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 #:

A0D0205

APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard, OR 97223 phone 503-718-2323

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APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Analytical Case Narrative

APEX LABORATORIES, LLC
6700 SW Sandburg St Tigard, OR 97223 phone 503-718-2323

Analytical Case Narrative

Client: Anchor QEA, LLC Date: 05/18/2020
Project: Gasco PreRD_DG 2019 – 4a-b. DOC-CAP Testing Cores
Apex Work Order Number: A0D0205

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

APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Analytical Report

Apex Laboratories, LLC

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

Wednesday, April 22, 2020

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

RE: A0D0205 - 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 A0D0205, which was received by the laboratory on 10/16/2019 at 10:00:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	1.1 degC	Cooler #2	1.4 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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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-049SC-A-08-09-191015	A0D0205-01	Sediment	10/15/19 13:29	10/16/19 10:00
PDI-049SC-A-09-10-191015	A0D0205-02	Sediment	10/15/19 13:29	10/16/19 10:00
PDI-049SC-A-10-11-191015	A0D0205-03	Sediment	10/15/19 13:29	10/16/19 10:00
PDI-049SC-A-11-12-191015	A0D0205-04	Sediment	10/15/19 13:29	10/16/19 10:00

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Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-049SC-A-08-09-191015 (A0D0205-01)				**Matrix: Sediment**		**Batch: 0040376**		**C-07**
Aroclor 1016	ND	0.930	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Aroclor 1221	ND	1.85	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Aroclor 1232	ND	0.930	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Aroclor 1242	ND	0.930	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Aroclor 1248	ND	0.930	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Aroclor 1254	ND	0.930	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Aroclor 1260	ND	0.930	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Aroclor 1262	ND	0.930	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Aroclor 1268	ND	0.930	1.85	ug/kg dry	1	04/13/20 13:14	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 78 %*		*Limits: 43-120 %*	*1*	*04/13/20 13:14*	*EPA 8082A*	
PDI-049SC-A-09-10-191015 (A0D0205-02)				**Matrix: Sediment**		**Batch: 0040376**		**C-07**
Aroclor 1016	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Aroclor 1221	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Aroclor 1232	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Aroclor 1242	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Aroclor 1248	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Aroclor 1254	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Aroclor 1260	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Aroclor 1262	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Aroclor 1268	ND	0.822	1.63	ug/kg dry	1	04/13/20 13:49	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 68 %*		*Limits: 43-120 %*	*1*	*04/13/20 13:49*	*EPA 8082A*	
PDI-049SC-A-10-11-191015 (A0D0205-03)				**Matrix: Sediment**		**Batch: 0040376**		**C-07**
Aroclor 1016	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	
Aroclor 1221	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	
Aroclor 1232	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	
Aroclor 1242	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	
Aroclor 1248	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	
Aroclor 1254	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	
Aroclor 1260	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	
Aroclor 1262	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	
Aroclor 1268	ND	0.939	1.86	ug/kg dry	1	04/13/20 14:24	EPA 8082A	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-049SC-A-10-11-191015 (A0D0205-03)				**Matrix: Sediment**		**Batch: 0040376**		**C-07**
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 70 %*		*Limits: 43-120 %*	*1*	*04/13/20 14:24*	*EPA 8082A*	
PDI-049SC-A-11-12-191015 (A0D0205-04)				**Matrix: Sediment**		**Batch: 0040376**		**C-07**
Aroclor 1016	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Aroclor 1221	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Aroclor 1232	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Aroclor 1242	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Aroclor 1248	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Aroclor 1254	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Aroclor 1260	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Aroclor 1262	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Aroclor 1268	ND	0.975	1.94	ug/kg dry	1	04/13/20 14:59	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 76 %*		*Limits: 43-120 %*	*1*	*04/13/20 14:59*	*EPA 8082A*	

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-049SC-A-08-09-191015 (A0D0205-01RE1)				**Matrix: Sediment**		**Batch: 0040379**		**C-05, H-08**
2,4'-DDD	ND	1.30	2.61	ug/kg dry	1	04/14/20 16:40	EPA 8081B	
2,4'-DDE	ND	1.30	2.61	ug/kg dry	1	04/14/20 16:40	EPA 8081B	
2,4'-DDT	ND	1.30	2.61	ug/kg dry	1	04/14/20 16:40	EPA 8081B	
4,4'-DDD	ND	1.30	2.61	ug/kg dry	1	04/14/20 16:40	EPA 8081B	
4,4'-DDE	ND	1.30	2.61	ug/kg dry	1	04/14/20 16:40	EPA 8081B	
4,4'-DDT	ND	1.30	2.61	ug/kg dry	1	04/14/20 16:40	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 51 %*	*Limits: 42-129 %*	*1*	*04/14/20 16:40*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*83 %*	*55-130 %*	*1*	*04/14/20 16:40*	*EPA 8081B*	
PDI-049SC-A-09-10-191015 (A0D0205-02RE1)				**Matrix: Sediment**		**Batch: 0040379**		**C-05, H-08**
2,4'-DDD	ND	1.21	2.43	ug/kg dry	1	04/14/20 16:57	EPA 8081B	
2,4'-DDE	ND	1.21	2.43	ug/kg dry	1	04/14/20 16:57	EPA 8081B	
2,4'-DDT	ND	1.21	2.43	ug/kg dry	1	04/14/20 16:57	EPA 8081B	
4,4'-DDD	ND	1.21	2.43	ug/kg dry	1	04/14/20 16:57	EPA 8081B	
4,4'-DDE	ND	1.21	2.43	ug/kg dry	1	04/14/20 16:57	EPA 8081B	
4,4'-DDT	ND	1.21	2.43	ug/kg dry	1	04/14/20 16:57	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 52 %*	*Limits: 42-129 %*	*1*	*04/14/20 16:57*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*84 %*	*55-130 %*	*1*	*04/14/20 16:57*	*EPA 8081B*	
PDI-049SC-A-10-11-191015 (A0D0205-03RE1)				**Matrix: Sediment**		**Batch: 0040379**		**C-05, H-08**
2,4'-DDD	ND	1.29	2.59	ug/kg dry	1	04/14/20 17:14	EPA 8081B	
2,4'-DDE	ND	1.29	2.59	ug/kg dry	1	04/14/20 17:14	EPA 8081B	
2,4'-DDT	ND	1.29	2.59	ug/kg dry	1	04/14/20 17:14	EPA 8081B	
4,4'-DDD	ND	1.29	2.59	ug/kg dry	1	04/14/20 17:14	EPA 8081B	
4,4'-DDE	ND	1.29	2.59	ug/kg dry	1	04/14/20 17:14	EPA 8081B	
4,4'-DDT	ND	1.29	2.59	ug/kg dry	1	04/14/20 17:14	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 58 %*	*Limits: 42-129 %*	*1*	*04/14/20 17:14*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*80 %*	*55-130 %*	*1*	*04/14/20 17:14*	*EPA 8081B*	
PDI-049SC-A-11-12-191015 (A0D0205-04RE1)				**Matrix: Sediment**		**Batch: 0040379**		**C-05, H-08**
2,4'-DDD	ND	1.42	2.84	ug/kg dry	1	04/14/20 17:31	EPA 8081B	
2,4'-DDE	ND	1.42	2.84	ug/kg dry	1	04/14/20 17:31	EPA 8081B	
2,4'-DDT	ND	1.42	2.84	ug/kg dry	1	04/14/20 17:31	EPA 8081B	
4,4'-DDD	ND	1.42	2.84	ug/kg dry	1	04/14/20 17:31	EPA 8081B	

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Darwin Thomas, Business Development Director

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Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-049SC-A-11-12-191015 (A0D0205-04RE1)				**Matrix: Sediment**		**Batch: 0040379**		**C-05, H-08**
4,4'-DDE	ND	1.42	2.84	ug/kg dry	1	04/14/20 17:31	EPA 8081B	
4,4'-DDT	ND	1.42	2.84	ug/kg dry	1	04/14/20 17:31	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*53 %*	*Limits: 42-129 %*	*1*	*04/14/20 17:31*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*60 %*	*55-130 %*	*1*	*04/14/20 17:31*	*EPA 8081B*	

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Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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-049SC-A-08-09-191015 (A0D0205-01)				**Matrix: Sediment**		**Batch: 0040356**		**H-08**
Acenaphthene	**1110**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Acenaphthylene	**48.1**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Anthracene	**113**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Benz(a)anthracene	ND	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Benzo(a)pyrene	ND	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Benzo(b)fluoranthene	ND	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Benzo(k)fluoranthene	ND	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Benzo(g,h,i)perylene	ND	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Chrysene	ND	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Dibenz(a,h)anthracene	ND	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Fluoranthene	**50.9**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Fluorene	**282**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
2-Methylnaphthalene	**285**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Naphthalene	**1340**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Phenanthrene	**883**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	
Pyrene	**32.6**	16.7	33.5	ug/kg dry	10	04/10/20 22:44	EPA 8270D	**J**
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*74 %*	*Limits: 44-120 %*	*10*	*04/10/20 22:44*	*EPA 8270D*	
p-Terphenyl-d14 (Surr)			*79 %*	*54-127 %*	*10*	*04/10/20 22:44*	*EPA 8270D*	
PDI-049SC-A-09-10-191015 (A0D0205-02RE1)				**Matrix: Sediment**		**Batch: 0040356**		**H-08**
Acenaphthene	**52.1**	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Acenaphthylene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Anthracene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Benz(a)anthracene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Benzo(a)pyrene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Benzo(b)fluoranthene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Benzo(k)fluoranthene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Benzo(g,h,i)perylene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Chrysene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Dibenz(a,h)anthracene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Fluoranthene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Fluorene	**7.94**	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	

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6700 S.W. Sandburg Street
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503-718-2323
EPA ID: OR01039

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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-049SC-A-09-10-191015 (A0D0205-02RE1)				**Matrix: Sediment**		**Batch: 0040356**		**H-08**
Indeno(1,2,3-cd)pyrene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
2-Methylnaphthalene	**11.2**	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Naphthalene	**49.2**	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Phenanthrene	**7.95**	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Pyrene	ND	1.52	3.03	ug/kg dry	1	04/13/20 19:28	EPA 8270D	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*68 %*	*Limits: 44-120 %*	*1*	*04/13/20 19:28*	*EPA 8270D*	
p-Terphenyl-d14 (Surr)			*70 %*	*54-127 %*	*1*	*04/13/20 19:28*	*EPA 8270D*	
PDI-049SC-A-10-11-191015 (A0D0205-03)				**Matrix: Sediment**		**Batch: 0040356**		**H-08**
Acenaphthene	**32.6**	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Acenaphthylene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Anthracene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Benz(a)anthracene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Benzo(a)pyrene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Benzo(b)fluoranthene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Benzo(k)fluoranthene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Benzo(g,h,i)perylene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Chrysene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Dibenz(a,h)anthracene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Fluoranthene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Fluorene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
2-Methylnaphthalene	**9.92**	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Naphthalene	**125**	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Phenanthrene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Pyrene	ND	1.76	3.53	ug/kg dry	1	04/13/20 15:37	EPA 8270D	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*72 %*	*Limits: 44-120 %*	*1*	*04/13/20 15:37*	*EPA 8270D*	
p-Terphenyl-d14 (Surr)			*77 %*	*54-127 %*	*1*	*04/13/20 15:37*	*EPA 8270D*	
PDI-049SC-A-11-12-191015 (A0D0205-04RE3)				**Matrix: Sediment**		**Batch: 0040356**		**H-08**
Acenaphthene	**9.23**	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Acenaphthylene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Anthracene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Benz(a)anthracene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	

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EPA ID: OR01039

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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-049SC-A-11-12-191015 (A0D0205-04RE3)				**Matrix: Sediment**		**Batch: 0040356**		**H-08**
Benzo(a)pyrene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Benzo(b)fluoranthene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Benzo(k)fluoranthene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Benzo(g,h,i)perylene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Chrysene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Dibenz(a,h)anthracene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Fluoranthene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Fluorene	**1.96**	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	**J**
Indeno(1,2,3-cd)pyrene	ND	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
2-Methylnaphthalene	**3.09**	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	**J**
Naphthalene	**7.37**	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	
Phenanthrene	**2.92**	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	**J**
Pyrene	**2.12**	1.80	3.60	ug/kg dry	1	04/14/20 11:48	EPA 8270D	**J**
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*66 %*	*Limits: 44-120 %*	*1*	*04/14/20 11:48*	*EPA 8270D*	
p-Terphenyl-d14 (Surr)			*76 %*	*54-127 %*	*1*	*04/14/20 11:48*	*EPA 8270D*	

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-049SC-A-08-09-191015 (A0D0205-01)				**Matrix: Sediment**				
Batch: 0040465								
Total Organic Carbon	**0.75**	---	0.020	% by Weight	1	04/17/20 20:53	SM 5310 B MOD	**H-08**
PDI-049SC-A-09-10-191015 (A0D0205-02)				**Matrix: Sediment**				
Batch: 0040465								
Total Organic Carbon	**0.17**	---	0.020	% by Weight	1	04/17/20 21:15	SM 5310 B MOD	**H-08**
PDI-049SC-A-10-11-191015 (A0D0205-03)				**Matrix: Sediment**				
Batch: 0040465								
Total Organic Carbon	**0.27**	---	0.020	% by Weight	1	04/17/20 21:26	SM 5310 B MOD	**H-08**
PDI-049SC-A-11-12-191015 (A0D0205-04)				**Matrix: Sediment**				
Batch: 0040465								
Total Organic Carbon	**0.72**	---	0.020	% by Weight	1	04/17/20 21:37	SM 5310 B MOD	**H-08**

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Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-049SC-A-08-09-191015 (A0D0205-01)				**Matrix: Sediment**				
Batch: 0040458								
Total Solids	**71.2**	1.00	1.00	% by Weight	1	04/17/20 15:58	SM 2540 G	**H-08**
PDI-049SC-A-09-10-191015 (A0D0205-02)				**Matrix: Sediment**				
Batch: 0040458								
Total Solids	**80.1**	1.00	1.00	% by Weight	1	04/17/20 15:58	SM 2540 G	**H-08**
PDI-049SC-A-10-11-191015 (A0D0205-03)				**Matrix: Sediment**				
Batch: 0040458								
Total Solids	**70.3**	1.00	1.00	% by Weight	1	04/17/20 15:58	SM 2540 G	**H-08**
PDI-049SC-A-11-12-191015 (A0D0205-04)				**Matrix: Sediment**				
Batch: 0040458								
Total Solids	**67.7**	1.00	1.00	% by Weight	1	04/17/20 15:58	SM 2540 G	**H-08**

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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 0040376 - EPA 3546							**Sediment**					
Blank (0040376-BLK1)			Prepared: 04/10/20 10:37		Analyzed: 04/13/20 08:15							**C-07**
EPA 8082A												
Aroclor 1016	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1262	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1268	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 84 %*		*Limits: 43-120 %*			*Dilution: 1x*				
LCS (0040376-BS1)			Prepared: 04/10/20 10:37		Analyzed: 04/13/20 08:32							**C-07**
EPA 8082A												
Aroclor 1016	42.9	0.670	1.33	ug/kg wet	1	83.3	---	51	47-134%	---	---	
Aroclor 1260	61.8	0.670	1.33	ug/kg wet	1	83.3	---	74	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 73 %*		*Limits: 43-120 %*			*Dilution: 1x*				
Duplicate (0040376-DUP1)			Prepared: 04/10/20 10:37		Analyzed: 04/13/20 09:25							**C-07**
QC Source Sample: Non-SDG (A0D0196-01)												
Aroclor 1016	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1262	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1268	ND	0.793	1.57	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 82 %*		*Limits: 43-120 %*			*Dilution: 1x*				
Matrix Spike (0040376-MS1)			Prepared: 04/10/20 10:37		Analyzed: 04/13/20 10:00							**C-07**
QC Source Sample: Non-SDG (A0D0196-01)												

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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 0040376 - EPA 3546							**Sediment**					
Matrix Spike (0040376-MS1)			Prepared: 04/10/20 10:37		Analyzed: 04/13/20 10:00							**C-07**
QC Source Sample: Non-SDG (A0D0196-01)												
EPA 8082A												
Aroclor 1016	57.0	0.798	1.58	ug/kg dry	1	99.2	ND	57	47-134%	---	---	
Aroclor 1260	77.5	0.798	1.58	ug/kg dry	1	99.2	ND	78	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 89 %*		*Limits: 43-120 %*			*Dilution: 1x*				
Matrix Spike Dup (0040376-MSD1)			Prepared: 04/10/20 10:37		Analyzed: 04/13/20 10:35							**C-07**
QC Source Sample: Non-SDG (A0D0196-01)												
Aroclor 1016	55.2	0.795	1.58	ug/kg dry	1	98.9	ND	56	47-134%	3	30%	
Aroclor 1260	73.2	0.795	1.58	ug/kg dry	1	98.9	ND	74	53-140%	6	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 84 %*		*Limits: 43-120 %*			*Dilution: 1x*				

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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 0040379 - EPA 3546/3640A (GPC)							**Sediment**					
Blank (0040379-BLK1)			Prepared: 04/10/20 08:28		Analyzed: 04/14/20 13:13							**C-05**
EPA 8081B												
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 68 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*85 %*		*55-130 %*			*"*				
LCS (0040379-BS1)			Prepared: 04/10/20 08:28		Analyzed: 04/14/20 13:30							**C-05**
EPA 8081B												
2,4'-DDD	48.4	1.00	2.00	ug/kg wet	1	50.0	---	97	50-150%	---	---	
2,4'-DDE	43.5	1.00	2.00	ug/kg wet	1	50.0	---	87	50-150%	---	---	
2,4'-DDT	57.2	1.00	2.00	ug/kg wet	1	50.0	---	114	50-150%	---	---	
4,4'-DDD	48.5	1.00	2.00	ug/kg wet	1	50.0	---	97	50-150%	---	---	
4,4'-DDE	48.0	1.00	2.00	ug/kg wet	1	50.0	---	96	50-150%	---	---	
4,4'-DDT	58.9	1.00	2.00	ug/kg wet	1	50.0	---	118	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 70 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*85 %*		*55-130 %*			*"*				
Duplicate (0040379-DUP1)			Prepared: 04/10/20 08:28		Analyzed: 04/14/20 14:05							**C-05, H-08**
QC Source Sample: Non-SDG (A0D0196-01RE1)												
2,4'-DDD	ND	1.17	2.34	ug/kg dry	1	---	ND	---	---	---	30%	
2,4'-DDE	ND	1.17	2.34	ug/kg dry	1	---	ND	---	---	---	30%	
2,4'-DDT	ND	1.17	2.34	ug/kg dry	1	---	ND	---	---	---	30%	
4,4'-DDD	ND	1.17	2.34	ug/kg dry	1	---	ND	---	---	---	30%	
4,4'-DDE	ND	1.17	2.34	ug/kg dry	1	---	ND	---	---	---	30%	
4,4'-DDT	ND	1.17	2.34	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 66 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*84 %*		*55-130 %*			*"*				
Matrix Spike (0040379-MS1)			Prepared: 04/10/20 08:28		Analyzed: 04/14/20 14:22							**C-05, H-08**

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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 0040379 - EPA 3546/3640A (GPC)							**Sediment**					
Matrix Spike (0040379-MS1)			Prepared: 04/10/20 08:28		Analyzed: 04/14/20 14:22							**C-05, H-08**
QC Source Sample: Non-SDG (A0D0196-01RE1)												
EPA 8081B												
2,4'-DDD	57.0	1.16	2.32	ug/kg dry	1	58.0	ND	98	50-150%	---	---	
2,4'-DDE	52.6	1.16	2.32	ug/kg dry	1	58.0	ND	91	50-150%	---	---	
2,4'-DDT	69.7	1.16	2.32	ug/kg dry	1	58.0	ND	120	50-150%	---	---	
4,4'-DDD	58.1	1.16	2.32	ug/kg dry	1	58.0	ND	100	50-150%	---	---	
4,4'-DDE	57.7	1.16	2.32	ug/kg dry	1	58.0	ND	99	50-150%	---	---	
4,4'-DDT	69.5	1.16	2.32	ug/kg dry	1	58.0	ND	120	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 74 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*84 %*		*55-130 %*			*"*				
Matrix Spike Dup (0040379-MSD1)			Prepared: 04/10/20 08:28		Analyzed: 04/14/20 14:39							**C-05, H-08**
QC Source Sample: Non-SDG (A0D0196-01RE1)												
2,4'-DDD	54.9	1.14	2.29	ug/kg dry	1	57.1	ND	96	50-150%	4	30%	
2,4'-DDE	47.5	1.14	2.29	ug/kg dry	1	57.1	ND	83	50-150%	10	30%	
2,4'-DDT	65.3	1.14	2.29	ug/kg dry	1	57.1	ND	114	50-150%	7	30%	
4,4'-DDD	55.5	1.14	2.29	ug/kg dry	1	57.1	ND	97	50-150%	5	30%	
4,4'-DDE	53.2	1.14	2.29	ug/kg dry	1	57.1	ND	93	50-150%	8	30%	
4,4'-DDT	67.2	1.14	2.29	ug/kg dry	1	57.1	ND	118	50-150%	3	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 75 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*86 %*		*55-130 %*			*"*				

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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503-718-2323
EPA ID: OR01039

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

Report ID:
A0D0205 - 04 22 20 1318

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 0040356 - EPA 3546							**Sediment**					
Blank (0040356-BLK1)			Prepared: 04/10/20 07:04 Analyzed: 04/10/20 16:25									
EPA 8270D												
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	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 75 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*89 %*		*54-127 %*				*"*			
LCS (0040356-BS1)			Prepared: 04/10/20 07:04 Analyzed: 04/10/20 16:57									
EPA 8270D												
Acenaphthene	15.5	1.25	2.50	ug/kg wet	1	20.0	---	78	40-123%	---	---	
Acenaphthylene	16.6	1.25	2.50	ug/kg wet	1	20.0	---	83	32-132%	---	---	
Anthracene	16.9	1.25	2.50	ug/kg wet	1	20.0	---	84	47-123%	---	---	
Benz(a)anthracene	16.1	1.25	2.50	ug/kg wet	1	20.0	---	81	49-126%	---	---	
Benzo(a)pyrene	16.9	1.25	2.50	ug/kg wet	1	20.0	---	85	45-129%	---	---	
Benzo(b)fluoranthene	16.1	1.25	2.50	ug/kg wet	1	20.0	---	80	45-132%	---	---	
Benzo(k)fluoranthene	16.0	1.25	2.50	ug/kg wet	1	20.0	---	80	47-132%	---	---	
Benzo(g,h,i)perylene	15.7	1.25	2.50	ug/kg wet	1	20.0	---	78	43-134%	---	---	
Chrysene	15.8	1.25	2.50	ug/kg wet	1	20.0	---	79	50-124%	---	---	
Dibenz(a,h)anthracene	15.0	1.25	2.50	ug/kg wet	1	20.0	---	75	45-134%	---	---	
Fluoranthene	16.8	1.25	2.50	ug/kg wet	1	20.0	---	84	50-127%	---	---	

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EPA ID: OR01039

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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 0040356 - EPA 3546							**Sediment**					
LCS (0040356-BS1)			Prepared: 04/10/20 07:04		Analyzed: 04/10/20 16:57							
Fluorene	16.2	1.25	2.50	ug/kg wet	1	20.0	---	81	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	15.9	1.25	2.50	ug/kg wet	1	20.0	---	80	45-133%	---	---	
2-Methylnaphthalene	16.2	1.25	2.50	ug/kg wet	1	20.0	---	81	38-122%	---	---	
Naphthalene	14.9	1.25	2.50	ug/kg wet	1	20.0	---	75	35-123%	---	---	
Phenanthrene	15.2	1.25	2.50	ug/kg wet	1	20.0	---	76	50-121%	---	---	
Pyrene	16.9	1.25	2.50	ug/kg wet	1	20.0	---	84	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 77 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*86 %*		*54-127 %*				*"*			
Duplicate (0040356-DUP1)			Prepared: 04/10/20 07:04		Analyzed: 04/10/20 18:01							**H-08**
QC Source Sample: Non-SDG (A0D0196-01)												
Acenaphthene	**2.39**	1.45	2.89	ug/kg dry	1	---	2.77	---	---	15	30%	J
Acenaphthylene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Anthracene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Benz(a)anthracene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(a)pyrene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Chrysene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Dibenz(a,h)anthracene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Fluorene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Naphthalene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Phenanthrene	**2.99**	1.45	2.89	ug/kg dry	1	---	3.06	---	---	2	30%	
Pyrene	ND	1.45	2.89	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 74 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*78 %*		*54-127 %*				*"*			
Matrix Spike (0040356-MS1)			Prepared: 04/10/20 07:04		Analyzed: 04/10/20 18:33							**H-08**
QC Source Sample: Non-SDG (A0D0196-01)												

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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 0040356 - EPA 3546							**Sediment**					
Matrix Spike (0040356-MS1)			Prepared: 04/10/20 07:04		Analyzed: 04/10/20 18:33							**H-08**
QC Source Sample: Non-SDG (A0D0196-01)												
EPA 8270D												
Acenaphthene	22.4	1.45	2.91	ug/kg dry	1	23.3	2.77	84	40-123%	---	---	
Acenaphthylene	18.9	1.45	2.91	ug/kg dry	1	23.3	ND	81	32-132%	---	---	
Anthracene	19.6	1.45	2.91	ug/kg dry	1	23.3	ND	84	47-123%	---	---	
Benz(a)anthracene	18.5	1.45	2.91	ug/kg dry	1	23.3	ND	80	49-126%	---	---	
Benzo(a)pyrene	19.6	1.45	2.91	ug/kg dry	1	23.3	ND	84	45-129%	---	---	
Benzo(b)fluoranthene	18.4	1.45	2.91	ug/kg dry	1	23.3	ND	79	45-132%	---	---	
Benzo(k)fluoranthene	17.8	1.45	2.91	ug/kg dry	1	23.3	ND	77	47-132%	---	---	
Benzo(g,h,i)perylene	17.8	1.45	2.91	ug/kg dry	1	23.3	ND	77	43-134%	---	---	
Chrysene	17.8	1.45	2.91	ug/kg dry	1	23.3	ND	76	50-124%	---	---	
Dibenz(a,h)anthracene	16.4	1.45	2.91	ug/kg dry	1	23.3	ND	71	45-134%	---	---	
Fluoranthene	20.3	1.45	2.91	ug/kg dry	1	23.3	ND	87	50-127%	---	---	
Fluorene	21.0	1.45	2.91	ug/kg dry	1	23.3	ND	90	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	17.8	1.45	2.91	ug/kg dry	1	23.3	ND	77	45-133%	---	---	
2-Methylnaphthalene	18.4	1.45	2.91	ug/kg dry	1	23.3	ND	79	38-122%	---	---	
Naphthalene	17.3	1.45	2.91	ug/kg dry	1	23.3	ND	75	35-123%	---	---	
Phenanthrene	21.6	1.45	2.91	ug/kg dry	1	23.3	3.06	80	50-121%	---	---	
Pyrene	19.3	1.45	2.91	ug/kg dry	1	23.3	ND	83	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 72 %*		*Limits: 44-120 %*		*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*79 %*		*54-127 %*		*"*					
Matrix Spike Dup (0040356-MSD1)			Prepared: 04/10/20 07:04		Analyzed: 04/10/20 19:04							**H-08**
QC Source Sample: Non-SDG (A0D0196-01)												
Acenaphthene	20.2	1.44	2.88	ug/kg dry	1	23.0	2.77	76	40-123%	10	30%	
Acenaphthylene	18.7	1.44	2.88	ug/kg dry	1	23.0	ND	81	32-132%	1	30%	
Anthracene	19.5	1.44	2.88	ug/kg dry	1	23.0	ND	85	47-123%	0.4	30%	
Benz(a)anthracene	18.2	1.44	2.88	ug/kg dry	1	23.0	ND	79	49-126%	2	30%	
Benzo(a)pyrene	19.6	1.44	2.88	ug/kg dry	1	23.0	ND	85	45-129%	0.3	30%	
Benzo(b)fluoranthene	18.4	1.44	2.88	ug/kg dry	1	23.0	ND	80	45-132%	0.2	30%	
Benzo(k)fluoranthene	17.6	1.44	2.88	ug/kg dry	1	23.0	ND	76	47-132%	1	30%	
Benzo(g,h,i)perylene	17.8	1.44	2.88	ug/kg dry	1	23.0	ND	77	43-134%	0.2	30%	
Chrysene	17.6	1.44	2.88	ug/kg dry	1	23.0	ND	77	50-124%	0.6	30%	
Dibenz(a,h)anthracene	16.5	1.44	2.88	ug/kg dry	1	23.0	ND	72	45-134%	0.7	30%	

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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 0040356 - EPA 3546							**Sediment**					
Matrix Spike Dup (0040356-MSD1)			Prepared: 04/10/20 07:04		Analyzed: 04/10/20 19:04							**H-08**
QC Source Sample: Non-SDG (A0D0196-01)												
Fluoranthene	19.9	1.44	2.88	ug/kg dry	1	23.0	ND	87	50-127%	2	30%	
Fluorene	20.1	1.44	2.88	ug/kg dry	1	23.0	ND	87	43-125%	5	30%	
Indeno(1,2,3-cd)pyrene	17.8	1.44	2.88	ug/kg dry	1	23.0	ND	77	45-133%	0.2	30%	
2-Methylnaphthalene	18.3	1.44	2.88	ug/kg dry	1	23.0	ND	79	38-122%	0.5	30%	
Naphthalene	17.1	1.44	2.88	ug/kg dry	1	23.0	ND	74	35-123%	1	30%	
Phenanthrene	20.5	1.44	2.88	ug/kg dry	1	23.0	3.06	76	50-121%	5	30%	
Pyrene	18.9	1.44	2.88	ug/kg dry	1	23.0	ND	82	47-127%	2	30%	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 73 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*81 %*		*54-127 %*				*"*			

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Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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 0040465 - PSEP-5310B TOC							**Soil**					
Blank (0040465-BLK1)			Prepared: 04/14/20 13:14		Analyzed: 04/17/20 19:06							
SM 5310 B MOD												
Total Organic Carbon	ND	---	0.020	% by Weight	1	---	---	---	---	---	---	
LCS (0040465-BS1)			Prepared: 04/14/20 13:14		Analyzed: 04/17/20 19:16							
SM 5310 B MOD												
Total Organic Carbon	9600	---		mg/kg	1	10000	---	96	90-110%	---	---	
Duplicate (0040465-DUP1)			Prepared: 04/14/20 13:14		Analyzed: 04/17/20 19:38							
QC Source Sample: Non-SDG (A0D0196-01)												
Total Organic Carbon	**0.033**	---	0.020	% by Weight	1	---	0.045	---	---	**29**	**20%**	H-08, Q-05
Duplicate (0040465-DUP2)			Prepared: 04/14/20 13:14		Analyzed: 04/17/20 19:49							
QC Source Sample: Non-SDG (A0D0196-01)												
Total Organic Carbon	**0.035**	---	0.020	% by Weight	1	---	0.045	---	---	**24**	**20%**	H-08, Q-05
Duplicate (0040465-DUP3)			Prepared: 04/14/20 13:14		Analyzed: 04/17/20 21:04							
QC Source Sample: PDI-049SC-A-08-09-191015 (A0D0205-01)												
SM 5310 B MOD												
Total Organic Carbon	**0.72**	---	0.020	% by Weight	1	---	0.75	---	---	4	20%	H-08

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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 0040458 - Total Solids (SM2540G/PSEP)							**Sediment**					
Duplicate (0040458-DUP1)			Prepared: 04/14/20 10:59			Analyzed: 04/17/20 15:58						
QC Source Sample: Non-SDG (A0D0196-01)												
Total Solids	**82.3**	1.00	1.00	% by Weight	1	---	83.1	---	---	0.9	10%	H-08
Duplicate (0040458-DUP2)			Prepared: 04/14/20 10:59			Analyzed: 04/17/20 15:58						
QC Source Sample: Non-SDG (A0D0207-01)												
Total Solids	**72.7**	1.00	1.00	% by Weight	1	---	73.7	---	---	1	10%	H-08
Duplicate (0040458-DUP3)			Prepared: 04/14/20 10:59			Analyzed: 04/17/20 15:58						
QC Source Sample: PDI-049SC-A-08-09-191015 (A0D0205-01)												
SM 2540 G												
Total Solids	**71.2**	1.00	1.00	% by Weight	1	---	71.2	---	---	0.06	10%	H-08

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SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0040376							
A0D0205-01	Sediment	EPA 8082A	10/15/19 13:29	04/10/20 10:37	30.36g/2mL	30g/2mL	0.99
A0D0205-02	Sediment	EPA 8082A	10/15/19 13:29	04/10/20 10:37	30.53g/2mL	30g/2mL	0.98
A0D0205-03	Sediment	EPA 8082A	10/15/19 13:29	04/10/20 10:37	30.44g/2mL	30g/2mL	0.99
A0D0205-04	Sediment	EPA 8082A	10/15/19 13:29	04/10/20 10:37	30.44g/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: 0040379							
A0D0205-01RE1	Sediment	EPA 8081B	10/15/19 13:29	04/10/20 08:28	10.78g/10mL	10g/5mL	1.86
A0D0205-02RE1	Sediment	EPA 8081B	10/15/19 13:29	04/10/20 08:28	10.28g/10mL	10g/5mL	1.95
A0D0205-03RE1	Sediment	EPA 8081B	10/15/19 13:29	04/10/20 08:28	10.99g/10mL	10g/5mL	1.82
A0D0205-04RE1	Sediment	EPA 8081B	10/15/19 13:29	04/10/20 08:28	10.39g/10mL	10g/5mL	1.92

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: 0040356							
A0D0205-01	Sediment	EPA 8270D	10/15/19 13:29	04/10/20 07:04	10.49g/5mL	10g/5mL	0.95
A0D0205-02RE1	Sediment	EPA 8270D	10/15/19 13:29	04/10/20 07:04	10.29g/5mL	10g/5mL	0.97
A0D0205-03	Sediment	EPA 8270D	10/15/19 13:29	04/10/20 07:04	10.08g/5mL	10g/5mL	0.99
A0D0205-04RE3	Sediment	EPA 8270D	10/15/19 13:29	04/10/20 07:04	10.26g/5mL	10g/5mL	0.98

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0040465							
A0D0205-01	Sediment	SM 5310 B MOD	10/15/19 13:29	04/14/20 13:14			NA
A0D0205-02	Sediment	SM 5310 B MOD	10/15/19 13:29	04/14/20 13:14			NA
A0D0205-03	Sediment	SM 5310 B MOD	10/15/19 13:29	04/14/20 13:14			NA
A0D0205-04	Sediment	SM 5310 B MOD	10/15/19 13:29	04/14/20 13:14			NA

Apex Laboratories

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0040458							
A0D0205-01	Sediment	SM 2540 G	10/15/19 13:29	04/14/20 10:59			NA
A0D0205-02	Sediment	SM 2540 G	10/15/19 13:29	04/14/20 10:59			NA
A0D0205-03	Sediment	SM 2540 G	10/15/19 13:29	04/14/20 10:59			NA
A0D0205-04	Sediment	SM 2540 G	10/15/19 13:29	04/14/20 10:59			NA

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Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

QUALIFIER DEFINITIONS

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

Apex Laboratories

C-05	Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
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.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.

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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 ½ the Reporting Limit (RL).
-For Blank hits falling between ½ 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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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
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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.

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

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

All reported analytes are included in Apex Laboratories' current ORELAP scope.

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

Apex Laboratories

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Anchor QEA, LLC	Project:	**Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number:	**[none]**	**Report ID:**
Portland, OR 97219	Project Manager:	**Ryan Barth**	**A0D0205 - 04 22 20 1318**

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

A0D0205
A9J0599

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191015-152359
Sample Custodian: CO
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-049SC-A-00-01-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-049SC-A-01-02-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-049SC-A-02-03-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-049SC-A-03-04-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-049SC-A-04-05-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-049SC-A-05-06-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-049SC-A-06-07-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-049SC-A-07-08-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-049SC-A-08-09-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-049SC-A-09-10-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-049SC-A-10-11-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	[signature]	[signature]				
Print Name	C. OREIRO	Eli Soyne				
Company	AQ	APEX LABS				
Date/Time	10/16/19 0945	10/16/19 1000				

Date Printed: 10/15/2019

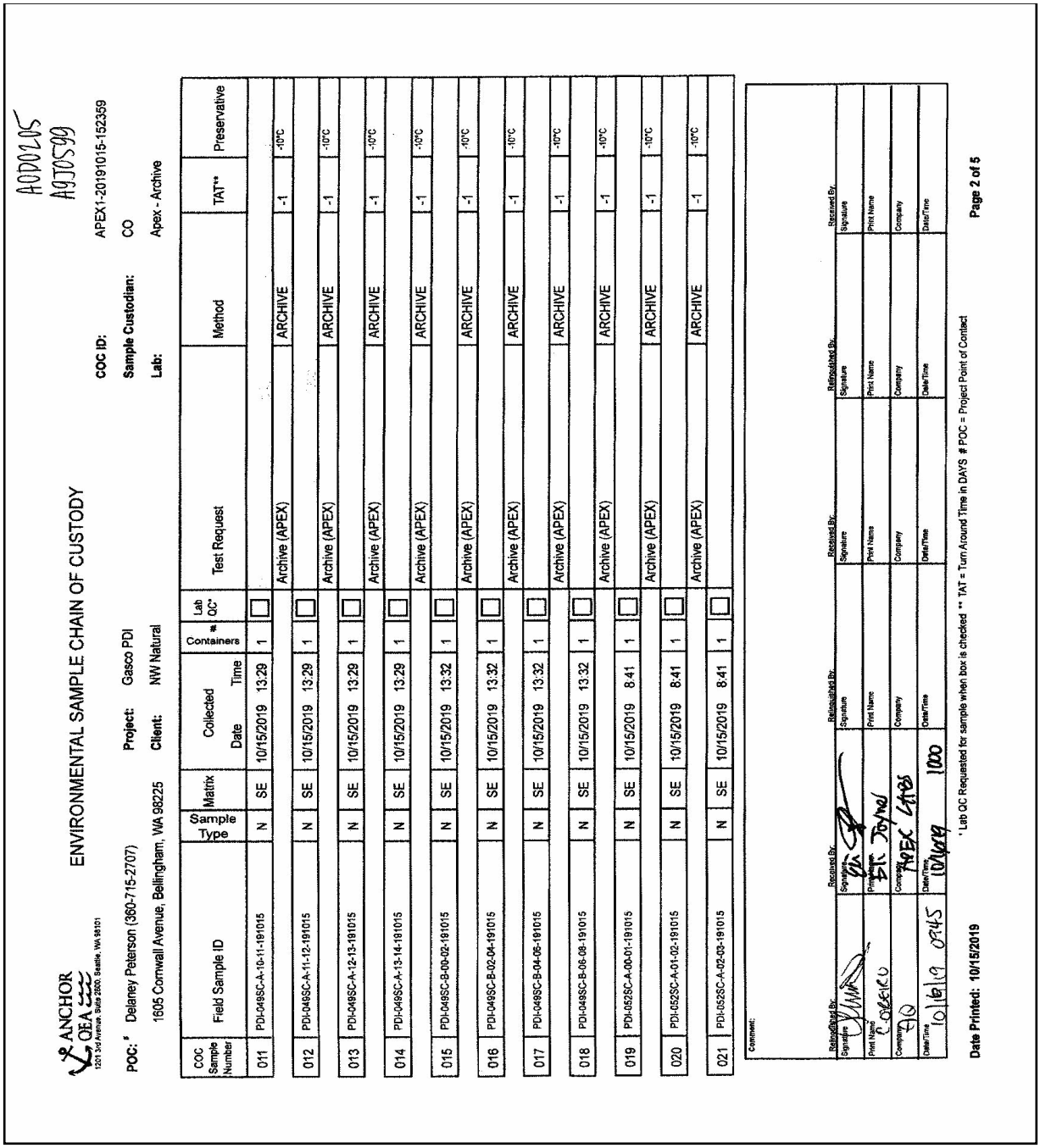
* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Page 1 of 5

Apex Laboratories, LLC

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

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**



ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0D0205
AGTOS99

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191015-152359
Sample Custodian: CO
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
011	PDI-049SC-A-10-11-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-049SC-A-11-12-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-049SC-A-12-13-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-049SC-A-13-14-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
015	PDI-049SC-B-00-02-191015	N	SE	10/15/2019	13:32	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
016	PDI-049SC-B-02-04-191015	N	SE	10/15/2019	13:32	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
017	PDI-049SC-B-04-06-191015	N	SE	10/15/2019	13:32	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
018	PDI-049SC-B-06-08-191015	N	SE	10/15/2019	13:32	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-052SC-A-00-01-191015	N	SE	10/15/2019	8:41	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-052SC-A-01-02-191015	N	SE	10/15/2019	8:41	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-052SC-A-02-03-191015	N	SE	10/15/2019	8:41	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name: Eric Joyner	Print Name	Print Name	Print Name	Print Name
Company	Company: APEX Labs	Company	Company	Company	Company
Date/Time	Date/Time: 10/16/19 1000	Date/Time	Date/Time	Date/Time	Date/Time

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

Date Printed: 10/15/2019

Page 2 of 5

Apex Laboratories

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EPA ID: OR01039

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0D0205 - 04 22 20 1318**

APEX LABS COOLER RECEIPT FORM

A0D0205

Client: Anchor -QEA Element WO#: A9 J0599

Project/Project #: Gasco PDI Archive

Delivery Info:

Date/time received: 10/16/19 @ 1000 By: EJ

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

Cooler Inspection Date/time inspected: 10/16/19 @ 1048 By: EJ

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

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	1.1	1.4					
Received on ice? (Y/N)	Y	Y					
Temp. blanks? (Y/N)	Y	Y					
Ice type: (Gel/Real/Other)	Real	Real					
Condition:	Good	Good					

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: 10/16/19 @ 2137 By: [illegible]

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No ___ NA X

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

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

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

Comments: ___

Additional information: ___

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

APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

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

A0D0205

Apex Laboratories

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

Report To:

Anchor QEA, LLC
Ryan Barth
6720 SW Macadam Ave. Suite 125
Portland, OR 97219
Phone: (503) 670-1108
Fax: na

Invoice To:

Anchor QEA, LLC Seattle
Accounts Payable
1201 3rd Avenue, Suite 2600
Seattle, WA 98101
Phone :(206) 287-9130
Fax: (206) 287-9131

Date Due:	04/22/20 17:00 (130 day TAT)		
Received By:	Eli S. Joyner	Date Received:	10/16/19 10:00
Logged In By:	Susan L. Treat	Date Logged In:	04/09/20 08:27

Cooler #1 received at 1.1°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 1.4°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
A0D0205-01 PDI-049SC-A-08-09-191015 [Sediment] Sampled 10/15/19 13:29 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				**A9J0599-09**
Dry Weight				
Dry Weight	04/22/20 17:00	3	04/12/20 13:29	Use Results from TS.. Make NR once completed.
Project Mgmt				
Data Package	04/22/20 17:00	20	01/22/20 13:29	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	04/22/20 17:00	10	10/29/19 13:29	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	04/22/20 17:00	10	10/14/20 13:29	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	04/22/20 17:00	10	10/29/19 13:29	
Wet Chem				
Solids, Total (SM 2540 G,B)	04/22/20 17:00	10	04/12/20 13:29	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	04/22/20 17:00	10	11/12/19 13:29	

A0D0205

Apex Laboratories

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

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**
A0D0205-02 PDI-049SC-A-09-10-191015 [Sediment] Sampled 10/15/19 13:29 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				**A9J0599-10**
Dry Weight				
Dry Weight	04/22/20 17:00	3	04/12/20 13:29	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	04/22/20 17:00	10	10/29/19 13:29	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	04/22/20 17:00	10	10/14/20 13:29	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	04/22/20 17:00	10	10/29/19 13:29	
Wet Chem				
Solids, Total (SM 2540 G,B)	04/22/20 17:00	10	04/12/20 13:29	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	04/22/20 17:00	10	11/12/19 13:29	
A0D0205-03 PDI-049SC-A-10-11-191015 [Sediment] Sampled 10/15/19 13:29 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				**A9J0599-11**
Dry Weight				
Dry Weight	04/22/20 17:00	3	04/12/20 13:29	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	04/22/20 17:00	10	10/29/19 13:29	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	04/22/20 17:00	10	10/14/20 13:29	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	04/22/20 17:00	10	10/29/19 13:29	
Wet Chem				
Solids, Total (SM 2540 G,B)	04/22/20 17:00	10	04/12/20 13:29	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	04/22/20 17:00	10	11/12/19 13:29	
A0D0205-04 PDI-049SC-A-11-12-191015 [Sediment] Sampled 10/15/19 13:29 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				**A9J0599-12**
Dry Weight				
Dry Weight	04/22/20 17:00	3	04/12/20 13:29	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	04/22/20 17:00	10	10/29/19 13:29	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	04/22/20 17:00	10	10/14/20 13:29	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	04/22/20 17:00	10	10/29/19 13:29	
Wet Chem				
Solids, Total (SM 2540 G,B)	04/22/20 17:00	10	04/12/20 13:29	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	04/22/20 17:00	10	11/12/19 13:29	

Reviewed By

Date

A0D0205

Apex Laboratories

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

Reviewed By

Date

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AOD0205
AGJ0599

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191015-152359
Sample Custodian: CO
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-049SC-A-00-01-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-049SC-A-01-02-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-049SC-A-02-03-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-049SC-A-03-04-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-049SC-A-04-05-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-049SC-A-05-06-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-049SC-A-06-07-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-049SC-A-07-08-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-049SC-A-08-09-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-049SC-A-09-10-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-049SC-A-10-11-191015	N	SE	10/15/2019	13:29	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name C.ORFIRO	Print Name Eli Joyner	Print Name	Print Name	Print Name	Print Name
Company AQ	Company APEX LABS	Company	Company	Company	Company
Date/Time 10/16/19 0945	Date/Time 10/16/19 1000	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 10/15/2019

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

A0D0205
A9J0599

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: APEX1-20191015-152359

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

Project: Gasco PDI
Client: NW Natural

Sample Custodian: CO
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
011	PDI-049SC-A-10-11-191015	N	SE	10/15/2019	13:29	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-049SC-A-11-12-191015	N	SE	10/15/2019	13:29	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-049SC-A-12-13-191015	N	SE	10/15/2019	13:29	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-049SC-A-13-14-191015	N	SE	10/15/2019	13:29	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
015	PDI-049SC-B-00-02-191015	N	SE	10/15/2019	13:32	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
016	PDI-049SC-B-02-04-191015	N	SE	10/15/2019	13:32	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
017	PDI-049SC-B-04-06-191015	N	SE	10/15/2019	13:32	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
018	PDI-049SC-B-06-08-191015	N	SE	10/15/2019	13:32	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-052SC-A-00-01-191015	N	SE	10/15/2019	8:41	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-052SC-A-01-02-191015	N	SE	10/15/2019	8:41	1	☐				
								Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-052SC-A-02-03-191015	N	SE	10/15/2019	8:41	1	☐				

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name: C. OBERG	Print Name: BK Joyner	Print Name	Print Name	Print Name	Print Name
Company: AQ	Company: APEX LABS	Company	Company	Company	Company
Date/Time: 10/16/19 0945	Date/Time: 10/16/19 1000	Date/Time	Date/Time	Date/Time	Date/Time

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

Date Printed: 10/15/2019

APEX LABS COOLER RECEIPT FORM

A0D0205

Client: Anchor -QEA Element WO#: A9 J0599

Project/Project #: Gasco PDI Archive

Delivery Info:

Date/time received: 10/16/19 @ 1000 By: EJ

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

Cooler Inspection Date/time inspected: 10/16/19 @ 1048 By: EJ

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

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	1.1	1.4					
Received on ice? (Y/N)	Y	Y					
Temp. blanks? (Y/N)	Y	Y					
Ice type: (Gel/Real/Other)	Real	Real					
Condition:	Good	Good					

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: 10/16/19 @ 2137 By: (EJ)

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No ___ NA X

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

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

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

Comments: ___

Additional information: ___

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

APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

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
Client: Anchor QEA, LLC
SDG: Gasco PreRD_DG 2019
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
PDI-049SC-A-08-09-191015	A0D0205-01	Sediment
PDI-049SC-A-09-10-191015	A0D0205-02	Sediment
PDI-049SC-A-10-11-191015	A0D0205-03	Sediment
PDI-049SC-A-11-12-191015	A0D0205-04	Sediment

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

Signature: 
Name: David G. Jack

Forms Created: 5/4/2020 12:42PM
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 evalutated to the MDL in this report .

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-049SC-A-08-09-191015

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	Laboratory ID:	A0D0205-01	File ID:	ECD2F022.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 10:37	Analyzed:	04/13/20 13:14
Solids:	71.21	Preparation:	EPA 3546	Initial/Final:	30.36 g / 2 mL
Batch:	0040376	Sequence:	0D13024	Calibration:	A0D1302
Instrument:	DUALECD2F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.930	U
11104-28-2	Aroclor 1221	1	1.85	U
11141-16-5	Aroclor 1232	1	0.930	U
53469-21-9	Aroclor 1242	1	0.930	U
12672-29-6	Aroclor 1248	1	0.930	U
11097-69-1	Aroclor 1254	1	0.930	U
11096-82-5	Aroclor 1260	1	0.930	U
37324-23-5	Aroclor 1262	1	0.930	U
11100-14-4	Aroclor 1268	1	0.930	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	23.1	18.1	78	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-049SC-A-09-10-191015

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	Laboratory ID:	A0D0205-02	File ID:	ECD2F024.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 10:37	Analyzed:	04/13/20 13:49
Solids:	80.10	Preparation:	EPA 3546	Initial/Final:	30.53 g / 2 mL
Batch:	0040376	Sequence:	0D13024	Calibration:	A0D1302
Instrument:	DUALECD2F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.822	U
11104-28-2	Aroclor 1221	1	0.822	U
11141-16-5	Aroclor 1232	1	0.822	U
53469-21-9	Aroclor 1242	1	0.822	U
12672-29-6	Aroclor 1248	1	0.822	U
11097-69-1	Aroclor 1254	1	0.822	U
11096-82-5	Aroclor 1260	1	0.822	U
37324-23-5	Aroclor 1262	1	0.822	U
11100-14-4	Aroclor 1268	1	0.822	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	20.4	13.9	68	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-049SC-A-10-11-191015

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	Laboratory ID:	A0D0205-03	File ID:	ECD2F026.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 10:37	Analyzed:	04/13/20 14:24
Solids:	70.34	Preparation:	EPA 3546	Initial/Final:	30.44 g / 2 mL
Batch:	0040376	Sequence:	0D13024	Calibration:	A0D1302
Instrument:	DUALECD2F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.939	U
11104-28-2	Aroclor 1221	1	0.939	U
11141-16-5	Aroclor 1232	1	0.939	U
53469-21-9	Aroclor 1242	1	0.939	U
12672-29-6	Aroclor 1248	1	0.939	U
11097-69-1	Aroclor 1254	1	0.939	U
11096-82-5	Aroclor 1260	1	0.939	U
37324-23-5	Aroclor 1262	1	0.939	U
11100-14-4	Aroclor 1268	1	0.939	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	23.4	16.4	70	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-049SC-A-11-12-191015

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	Laboratory ID:	A0D0205-04	File ID:	ECD2F028.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 10:37	Analyzed:	04/13/20 14:59
Solids:	67.72	Preparation:	EPA 3546	Initial/Final:	30.44 g / 2 mL
Batch:	0040376	Sequence:	0D13024	Calibration:	A0D1302
Instrument:	DUALECD2F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.975	U
11104-28-2	Aroclor 1221	1	0.975	U
11141-16-5	Aroclor 1232	1	0.975	U
53469-21-9	Aroclor 1242	1	0.975	U
12672-29-6	Aroclor 1248	1	0.975	U
11097-69-1	Aroclor 1254	1	0.975	U
11096-82-5	Aroclor 1260	1	0.975	U
37324-23-5	Aroclor 1262	1	0.975	U
11100-14-4	Aroclor 1268	1	0.975	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	24.3	18.5	76	43 - 120	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0040376 Batch Matrix: Sediment Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0040376-BLK1	ECD2R005.D	04/10/20 10:37	
LCS	0040376-BS1	ECD2R006.D	04/10/20 10:37	
PDI-049SC-A-08-09-191015	A0D0205-01	ECD2F022.D	04/10/20 10:37	
PDI-049SC-A-09-10-191015	A0D0205-02	ECD2F024.D	04/10/20 10:37	
PDI-049SC-A-10-11-191015	A0D0205-03	ECD2F026.D	04/10/20 10:37	
PDI-049SC-A-11-12-191015	A0D0205-04	ECD2F028.D	04/10/20 10:37	

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

METHOD BLANK DATA SHEET

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	Laboratory ID:	0040376-BLK1	File ID:	ECD2R005.D
Prepared:	04/10/20 10:37	Preparation:	EPA 3546	Initial/Final:	31 g / 2 mL
Analyzed:	04/13/20 08:15	Instrument:	DUALECD2R		
Batch:	0040376	Sequence:	0D13025	Calibration:	A0D1002

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	16.1	13.5	84	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:	0040376	Laboratory ID:	0040376-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	42.9	51	47 - 134
Aroclor 1260	83.3	61.8	74	53 - 140

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D09025	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0D1002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0D09025-ICB1	ECD2R008.D	04/09/20 10:04
Cal Standard	0D09025-CAL1	ECD2R009.D	04/09/20 10:21
Cal Standard	0D09025-CAL2	ECD2R010.D	04/09/20 10:39
Cal Standard	0D09025-CAL3	ECD2R011.D	04/09/20 10:57
Cal Standard	0D09025-CAL4	ECD2R012.D	04/09/20 11:14
Cal Standard	0D09025-CAL5	ECD2R013.D	04/09/20 11:32
Cal Standard	0D09025-CAL6	ECD2R014.D	04/09/20 11:49
Cal Standard	0D09025-CAL7	ECD2R015.D	04/09/20 12:07
Initial Cal Check	0D09025-ICV1	ECD2R017.D	04/09/20 12:42
Cal Standard	0D09025-CAL8	ECD2R018.D	04/09/20 13:00
Cal Standard	0D09025-CAL9	ECD2R019.D	04/09/20 13:18
Cal Standard	0D09025-CALA	ECD2R020.D	04/09/20 13:35
Cal Standard	0D09025-CALB	ECD2R021.D	04/09/20 13:53
Cal Standard	0D09025-CALC	ECD2R022.D	04/09/20 14:11
Cal Standard	0D09025-CALD	ECD2R023.D	04/09/20 14:28
Cal Standard	0D09025-CALE	ECD2R024.D	04/09/20 14:46
Initial Cal Check	0D09025-ICV2	ECD2R025.D	04/09/20 15:03
Initial Cal Check	0D09025-ICV3	ECD2R026.D	04/09/20 15:21
Initial Cal Check	0D09025-ICV4	ECD2R027.D	04/09/20 15:39
Initial Cal Check	0D09025-ICV5	ECD2R028.D	04/09/20 15:57

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 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:	0D10012	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0D1302

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0D10012-ICB1	ECD2F005.D	04/10/20 14:04
Cal Standard	0D10012-CAL1	ECD2F006.D	04/10/20 14:22
Cal Standard	0D10012-CAL2	ECD2F007.D	04/10/20 14:40
Cal Standard	0D10012-CAL3	ECD2F008.D	04/10/20 14:57
Cal Standard	0D10012-CAL4	ECD2F009.D	04/10/20 15:15
Cal Standard	0D10012-CAL5	ECD2F010.D	04/10/20 15:33
Cal Standard	0D10012-CAL6	ECD2F011.D	04/10/20 15:50
Cal Standard	0D10012-CAL7	ECD2F012.D	04/10/20 16:08
Initial Cal Check	0D10012-ICV1	ECD2F014.D	04/10/20 16:43
Cal Standard	0D10012-CAL8	ECD2F015.D	04/10/20 17:01
Cal Standard	0D10012-CAL9	ECD2F016.D	04/10/20 17:19
Cal Standard	0D10012-CALA	ECD2F017.D	04/10/20 17:36
Cal Standard	0D10012-CALB	ECD2F018.D	04/10/20 17:54
Cal Standard	0D10012-CALC	ECD2F019.D	04/10/20 18:11
Cal Standard	0D10012-CALD	ECD2F020.D	04/10/20 18:29
Cal Standard	0D10012-CALE	ECD2F021.D	04/10/20 18:47
Initial Cal Check	0D10012-ICV2	ECD2F022.D	04/10/20 19:04
Initial Cal Check	0D10012-ICV3	ECD2F023.D	04/10/20 19:22
Initial Cal Check	0D10012-ICV4	ECD2F024.D	04/10/20 19:39
Initial Cal Check	0D10012-ICV5	ECD2F025.D	04/10/20 19:57

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 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:	0D13024	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0D1302

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0D13024-CCV1	ECD2F003.D	04/13/20 07:40
Calibration Blank	0D13024-CCB1	ECD2F004.D	04/13/20 07:57
Calibration Check	0D13024-CCV2	ECD2F018.D	04/13/20 12:03
Calibration Blank	0D13024-CCB2	ECD2F019.D	04/13/20 12:21
PDI-049SC-A-08-09-191015	A0D0205-01	ECD2F022.D	04/13/20 13:14
PDI-049SC-A-09-10-191015	A0D0205-02	ECD2F024.D	04/13/20 13:49
PDI-049SC-A-10-11-191015	A0D0205-03	ECD2F026.D	04/13/20 14:24
PDI-049SC-A-11-12-191015	A0D0205-04	ECD2F028.D	04/13/20 14:59
Calibration Check	0D13024-CCV3	ECD2F038.D	04/13/20 17:56
Calibration Blank	0D13024-CCB3	ECD2F039.D	04/13/20 18:13

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.

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:	0D13025	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0D1002

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0D13025-CCV1	ECD2R003.D	04/13/20 07:40
Calibration Blank	0D13025-CCB1	ECD2R004.D	04/13/20 07:57
Blank	0040376-BLK1	ECD2R005.D	04/13/20 08:15
LCS	0040376-BS1	ECD2R006.D	04/13/20 08:32
Calibration Check	0D13025-CCV2	ECD2R019.D	04/13/20 12:21
Calibration Blank	0D13025-CCB2	ECD2R020.D	04/13/20 12:38
Calibration Check	0D13025-CCV3	ECD2R037.D	04/13/20 17:38
Calibration Blank	0D13025-CCB3	ECD2R038.D	04/13/20 17:56

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

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: A0D1002 Date: 04/10/20 09:42 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)	166967.2	Ave	8.614429	10.43543	0.015285			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

Client: Anchor QEA, LLC

Calibration: A0D1002

SDG: Gasco_PreRD_DG 2019

Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te

Instrument: DUALECD2R

Calibration Date: 04/10/20 09:42

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	11415.25	50	10613.6	100	9864.11	200	9259.355	500	8364.734	1000	8523.19
1016 (2)	20	18341.3	50	17587.92	100	16560.65	200	16764.03	500	15431.64	1000	16205.98
1016 (3)	20	9061.05	50	8498.7	100	7798.57	200	7440.915	500	7042.354	1000	7188.564
1016 (4)	20	9993.8	50	8911.5	100	8241.02	200	7817.04	500	6924.018	1000	7244.607
1016 (5)	20	10455.9	50	9436.8	100	8934.65	200	8440.48	500	7697.556	1000	7770.215
1016 (6)	20	10422.95	50	9718.44	100	8917.68	200	8341.245	500	8167.954	1000	8021.413
Aroclor 1016	20	ϴ	50	ϴ	100	ϴ	200	ϴ	500	ϴ	1000	ϴ
1260 (1)	20	18635.9	50	17668.5	100	17174.89	200	16717.58	500	15193.82	1000	15715.63
1260 (2)	20	23169.7	50	21739.06	100	20502.32	200	20172.12	500	19709.47	1000	20242.7
1260 (3)	20	21451.7	50	21489.58	100	20712.43	200	20989.11	500	19648.73	1000	20278.82
1260 (4)	20	33235.05	50	33864.92	100	33216.16	200	34537.71	500	32725.54	1000	33671.17
1260 (5)	20	20344.45	50	20491.74	100	19247.31	200	19961.32	500	19293.84	1000	19024.17
1260 (6)	20	8744.5	50	8448.64	100	7594.05	200	7502.885	500	7188.462	1000	7276.838
Aroclor 1260	20	ϴ	50	ϴ	100	ϴ	200	ϴ	500	ϴ	1000	ϴ
Decachlorobiphenyl (Surr)	10	154970.3	25	162527.1	50	159805.1	100	163268.1	250	155257.2	500	178898.1

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: A0D1002
Instrument: DUALECD2R
Matrix:
Calibration Date: 04/10/20 09:42

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	8777.84										
1016 (2)	1500	16036.83										
1016 (3)	1500	7068.82										
1016 (4)	1500	7030.827										
1016 (5)	1500	8052.327										
1016 (6)	1500	7925.533										
Aroclor 1016	1500	0										
1254 (1)											500	12896.13
1254 (2)											500	20446.32
1254 (3)											500	22091.52
1254 (4)											500	17356.64
1254 (5)											500	16545.45
1254 (6)											500	5026.034
Aroclor 1254											500	0
1260 (1)	1500	15684.29										
1260 (2)	1500	19481.93										
1260 (3)	1500	21123.63										
1260 (4)	1500	36399.36										
1260 (5)	1500	20180.3										
1260 (6)	1500	7733.08										
Aroclor 1260	1500	0										
Decachlorobiphenyl (Surr)	800	194044.5			200	0	200	0	200	0	200	0

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:	A0D1002	Instrument:	DUALECD2R
Matrix:		Calibration Date:	04/10/20 09:42

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	16270.73										
1262 (2)	500	21838.5										
1262 (3)	500	17947.76										
1262 (4)	500	38677.38										
1262 (5)	500	23339.54										
1262 (6)	500	10397.75										
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: A0D1302 Date: 04/13/20 10:12 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)	152089.5	Ave	4.457129	9.484143	6.450119E-03			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

Client: Anchor QEA, LLC

Calibration: A0D1302

SDG: Gasco_PreRD_DG 2019

Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te

Instrument: DUALECD2F

Calibration Date: 04/13/20 10:12

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	5635.8	50	5316.12	100	4796.62	200	4596.265	500	4343.592	1000	4293.628
1016 (2)	20	10835.7	50	10751.06	100	9971.33	200	9949.92	500	9969.572	1000	10051.2
1016 (3)	20	6053.4	50	5935.26	100	5436.35	200	5048.26	500	4973.506	1000	4831.278
1016 (4)	20	5690.3	50	5364.9	100	4797.61	200	4587.445	500	4462.102	1000	4347.874
1016 (5)	20	6870.85	50	6249.56	100	5657.22	200	5388.81	500	5394.974	1000	5043.851
1016 (6)	20	4897.95	50	4469.7	100	4086.08	200	3909.9	500	3760.244	1000	3670.234
Aroclor 1016	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
1260 (1)	20	12932.95	50	11785.86	100	10979.18	200	10706.18	500	10617.27	1000	10695.71
1260 (2)	20	15324.05	50	14599.32	100	14270.6	200	14054.14	500	13649.59	1000	13330.36
1260 (3)	20	12195.6	50	11205.66	100	10560.8	200	10173.68	500	9843.184	1000	10197.05
1260 (4)	20	26608.55	50	26171.02	100	25507.77	200	25352.61	500	25813.54	1000	25942.9
1260 (5)	20	18094.85	50	17009.42	100	16834.64	200	16838.22	500	16452.47	1000	16754.15
1260 (6)	20	7977.05	50	7417.82	100	6765.53	200	6750.395	500	6638.51	1000	6589.832
Aroclor 1260	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
Decachlorobiphenyl (Surr)	10	147890.5	25	152379.5	50	149965.3	100	152882.8	250	141528.1	500	157120

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: A0D1302
Instrument: DUALECD2F
Matrix:
Calibration Date: 04/13/20 10:12

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	4340.97										
1016 (2)	1500	10506.61										
1016 (3)	1500	5093.079										
1016 (4)	1500	4519.765										
1016 (5)	1500	5023.771										
1016 (6)	1500	3722.185										
Aroclor 1016	1500	0										
1254 (1)											500	8688.99
1254 (2)											500	11235.9
1254 (3)											500	16811.18
1254 (4)											500	10678.19
1254 (5)											500	11749.49
1254 (6)											500	3770.14
Aroclor 1254											500	0
1260 (1)	1500	10848.91										
1260 (2)	1500	13738.72										
1260 (3)	1500	10038.19										
1260 (4)	1500	27268.07										
1260 (5)	1500	16542.79										
1260 (6)	1500	6911.187										
Aroclor 1260	1500	0										
Decachlorobiphenyl (Surr)	800	162860.3			200	0	200	0	200	0	200	0

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: A0D1302
Instrument: DUALECD2F
Matrix:
Calibration Date: 04/13/20 10:12

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	11049.09										
1262 (2)	500	15182.49										
1262 (3)	500	13169.83										
1262 (4)	500	29420.98										
1262 (5)	500	18125.6										
1262 (6)	500	9658.112										
Aroclor 1262	500	~~0~~										
Decachlorobiphenyl (Surr)	200	~~0~~	200	~~0~~								

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2R	Calibration:	A0D1002
Lab File ID:	ECD2R017.D		
Sequence:	0D09025	Inject Date:	04/09/20
Lab Sample ID:	0D09025-ICV1	Inject Time:	12:42

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	443	-11.4	70 - 130
Aroclor 1260	500	464	-7.1	70 - 130
Decachlorobiphenyl (Surr)	200	201	0.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2R	Calibration:	A0D1002
Lab File ID:	ECD2R025.D		
Sequence:	0D09025	Inject Date:	04/09/20
Lab Sample ID:	0D09025-ICV2	Inject Time:	15:03

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	985	-1.5	70 - 130
Aroclor 1254	500	514	2.7	70 - 130
Decachlorobiphenyl (Surr)	80.0	80.0	0.06	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:	A0D1002
Lab File ID:	ECD2R026.D		
Sequence:	0D09025	Inject Date:	04/09/20
Lab Sample ID:	0D09025-ICV3	Inject Time:	15:21

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	568	13.7	70 - 130
Aroclor 1262	500	528	5.7	70 - 130
Decachlorobiphenyl (Surr)	80.0	85.8	7.2	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:	A0D1002
Lab File ID:	ECD2R027.D		
Sequence:	0D09025	Inject Date:	04/09/20
Lab Sample ID:	0D09025-ICV4	Inject Time:	15:39

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	530	5.9	70 - 130
Aroclor 1268	500	500	0.01	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:	A0D1002
Lab File ID:	ECD2R028.D		
Sequence:	0D09025	Inject Date:	04/09/20
Lab Sample ID:	0D09025-ICV5	Inject Time:	15:57

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	541	8.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0D1302
Lab File ID:	ECD2F014.D		
Sequence:	0D10012	Inject Date:	04/10/20
Lab Sample ID:	0D10012-ICV1	Inject Time:	16:43

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	481	-3.8	70 - 130
Aroclor 1260	500	474	-5.3	70 - 130
Decachlorobiphenyl (Surr)	200	207	3.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0D1302
Lab File ID:	ECD2F022.D		
Sequence:	0D10012	Inject Date:	04/10/20
Lab Sample ID:	0D10012-ICV2	Inject Time:	19:04

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	988	-1.2	70 - 130
Aroclor 1254	500	488	-2.4	70 - 130
Decachlorobiphenyl (Surr)	80.0	85.7	7.1	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0D1302
Lab File ID:	ECD2F023.D		
Sequence:	0D10012	Inject Date:	04/10/20
Lab Sample ID:	0D10012-ICV3	Inject Time:	19:22

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	561	12.3	70 - 130
Aroclor 1262	500	538	7.5	70 - 130
Decachlorobiphenyl (Surr)	80.0	92.0	15.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP T
Instrument ID:	DUALECD2F	Calibration:	A0D1302
Lab File ID:	ECD2F024.D		
Sequence:	0D10012	Inject Date:	04/10/20
Lab Sample ID:	0D10012-ICV4	Inject Time:	19:39

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	538	7.7	70 - 130
Aroclor 1268	500	501	0.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0D1302
Lab File ID:	ECD2F025.D		
Sequence:	0D10012	Inject Date:	04/10/20
Lab Sample ID:	0D10012-ICV5	Inject Time:	19:57

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	537	7.4	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD2F	Calibration:	A0D1302
Lab File ID:	ECD2F003.D	Calibration Date:	04/13/20 10:12
Sequence:	0D13024	Injection Date:	04/13/20
Lab Sample ID:	0D13024-CCV1	Injection Time:	07:40

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	456				-8.9	20
Aroclor 1260	Ave	500	466				-6.7	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD2F	Calibration:	A0D1302
Lab File ID:	ECD2F018.D	Calibration Date:	04/13/20 10:12
Sequence:	0D13024	Injection Date:	04/13/20
Lab Sample ID:	0D13024-CCV2	Injection Time:	12:03

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	470				-6.0	20
Aroclor 1260	Ave	500	487				-2.5	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD2F	Calibration:	A0D1302
Lab File ID:	ECD2F038.D	Calibration Date:	04/13/20 10:12
Sequence:	0D13024	Injection Date:	04/13/20
Lab Sample ID:	0D13024-CCV3	Injection Time:	17:56

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	445				-10.9	20
Aroclor 1260	Ave	500	464				-7.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD2R	Calibration:	A0D1002
Lab File ID:	ECD2R003.D	Calibration Date:	04/10/20 09:42
Sequence:	0D13025	Injection Date:	04/13/20
Lab Sample ID:	0D13025-CCV1	Injection Time:	07:40

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	477				-4.5	20
Aroclor 1260	Ave	500	491				-1.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD2R	Calibration:	A0D1002
Lab File ID:	ECD2R019.D	Calibration Date:	04/10/20 09:42
Sequence:	0D13025	Injection Date:	04/13/20
Lab Sample ID:	0D13025-CCV2	Injection Time:	12:21

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	492				-1.6	20
Aroclor 1260	Ave	500	521				4.3	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD2R	Calibration:	A0D1002
Lab File ID:	ECD2R037.D	Calibration Date:	04/10/20 09:42
Sequence:	0D13025	Injection Date:	04/13/20
Lab Sample ID:	0D13025-CCV3	Injection Time:	17:38

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	444				-11.3	20
Aroclor 1260	Ave	500	444				-11.1	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D09025	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0D1002

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D09025-ICV1)			Lab File ID: ECD2R017.D		Analyzed: 04/09/20 12:42			
Decachlorobiphenyl (Surr)	200	100	70 - 130	10.435	10.43543	-0.0004	+/-1.0	
Initial Cal Check (0D09025-ICV2)			Lab File ID: ECD2R025.D		Analyzed: 04/09/20 15:03			
Decachlorobiphenyl (Surr)	80.0	100	70 - 130	10.436	10.43543	0.0006	+/-1.0	
Initial Cal Check (0D09025-ICV3)			Lab File ID: ECD2R026.D		Analyzed: 04/09/20 15:21			
Decachlorobiphenyl (Surr)	80.0	107	70 - 130	10.435	10.43543	-0.0004	+/-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:	0D10012	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0D1302

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D10012-ICV1)			Lab File ID: ECD2F014.D		Analyzed: 04/10/20 16:43			
Decachlorobiphenyl (Surr)	200	103	70 - 130	9.484	9.484143	-0.0001	+/-1.0	
Initial Cal Check (0D10012-ICV2)			Lab File ID: ECD2F022.D		Analyzed: 04/10/20 19:04			
Decachlorobiphenyl (Surr)	80.0	107	70 - 130	9.482	9.484143	-0.0021	+/-1.0	
Initial Cal Check (0D10012-ICV3)			Lab File ID: ECD2F023.D		Analyzed: 04/10/20 19:22			
Decachlorobiphenyl (Surr)	80.0	115	70 - 130	9.482	9.484143	-0.0021	+/-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:	0D13024	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0D1302

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0D13024-CCV1)			Lab File ID: ECD2F003.D		Analyzed: 04/13/20 07:40			
Decachlorobiphenyl (Surr)	250	96	80 - 120	9.483	9.484143	-0.0011	+/-1.0	
Calibration Blank (0D13024-CCB1)			Lab File ID: ECD2F004.D		Analyzed: 04/13/20 07:57			
Decachlorobiphenyl (Surr)	100	85	43 - 120	9.483	9.484143	-0.0011	+/-1.0	
Calibration Check (0D13024-CCV2)			Lab File ID: ECD2F018.D		Analyzed: 04/13/20 12:03			
Decachlorobiphenyl (Surr)	250	104	80 - 120	9.482	9.484143	-0.0021	+/-1.0	
Calibration Blank (0D13024-CCB2)			Lab File ID: ECD2F019.D		Analyzed: 04/13/20 12:21			
Decachlorobiphenyl (Surr)	100	86	43 - 120	9.482	9.484143	-0.0021	+/-1.0	
PDI-049SC-A-08-09-191015 (A0D0205-01)			Lab File ID: ECD2F022.D		Analyzed: 04/13/20 13:14			
Decachlorobiphenyl (Surr)	23.1	78	43 - 120	9.482	9.484143	-0.0021	+/-1.0	
PDI-049SC-A-09-10-191015 (A0D0205-02)			Lab File ID: ECD2F024.D		Analyzed: 04/13/20 13:49			
Decachlorobiphenyl (Surr)	20.4	68	43 - 120	9.483	9.484143	-0.0011	+/-1.0	
PDI-049SC-A-10-11-191015 (A0D0205-03)			Lab File ID: ECD2F026.D		Analyzed: 04/13/20 14:24			
Decachlorobiphenyl (Surr)	23.4	70	43 - 120	9.481	9.484143	-0.0031	+/-1.0	
PDI-049SC-A-11-12-191015 (A0D0205-04)			Lab File ID: ECD2F028.D		Analyzed: 04/13/20 14:59			
Decachlorobiphenyl (Surr)	24.3	76	43 - 120	9.481	9.484143	-0.0031	+/-1.0	
Calibration Check (0D13024-CCV3)			Lab File ID: ECD2F038.D		Analyzed: 04/13/20 17:56			
Decachlorobiphenyl (Surr)	250	99	80 - 120	9.484	9.484143	-0.0001	+/-1.0	
Calibration Blank (0D13024-CCB3)			Lab File ID: ECD2F039.D		Analyzed: 04/13/20 18:13			
Decachlorobiphenyl (Surr)	100	82	43 - 120	9.482	9.484143	-0.0021	+/-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:	0D13025	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0D1002

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0D13025-CCV1)			Lab File ID: ECD2R003.D		Analyzed: 04/13/20 07:40			
Decachlorobiphenyl (Surr)	250	102	80 - 120	10.433	10.43543	-0.0024	+/-1.0	
Calibration Blank (0D13025-CCB1)			Lab File ID: ECD2R004.D		Analyzed: 04/13/20 07:57			
Decachlorobiphenyl (Surr)	100	86	43 - 120	10.434	10.43543	-0.0014	+/-1.0	
Blank (0040376-BLK1)			Lab File ID: ECD2R005.D		Analyzed: 04/13/20 08:15			
Decachlorobiphenyl (Surr)	16.1	84	43 - 120	10.433	10.43543	-0.0024	+/-1.0	
LCS (0040376-BS1)			Lab File ID: ECD2R006.D		Analyzed: 04/13/20 08:32			
Decachlorobiphenyl (Surr)	16.7	73	43 - 120	10.432	10.43543	-0.0034	+/-1.0	
Calibration Check (0D13025-CCV2)			Lab File ID: ECD2R019.D		Analyzed: 04/13/20 12:21			
Decachlorobiphenyl (Surr)	250	107	80 - 120	10.431	10.43543	-0.0044	+/-1.0	
Calibration Blank (0D13025-CCB2)			Lab File ID: ECD2R020.D		Analyzed: 04/13/20 12:38			
Decachlorobiphenyl (Surr)	100	91	43 - 120	10.43	10.43543	-0.0054	+/-1.0	
Calibration Check (0D13025-CCV3)			Lab File ID: ECD2R037.D		Analyzed: 04/13/20 17:38			
Decachlorobiphenyl (Surr)	250	98	80 - 120	10.431	10.43543	-0.0044	+/-1.0	
Calibration Blank (0D13025-CCB3)			Lab File ID: ECD2R038.D		Analyzed: 04/13/20 17:56			
Decachlorobiphenyl (Surr)	100	82	43 - 120	10.431	10.43543	-0.0044	+/-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-049SC-A-08-09-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 10:37	177.88	365.00	04/13/20 13:14	3.11	40.00	
PDI-049SC-A-09-10-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 10:37	177.88	365.00	04/13/20 13:49	3.13	40.00	
PDI-049SC-A-10-11-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 10:37	177.88	365.00	04/13/20 14:24	3.16	40.00	
PDI-049SC-A-11-12-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 10:37	177.88	365.00	04/13/20 14:59	3.18	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories
SDG: Gasco PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
PDI-049SC-A-08-09-191015	A0D0205-01	Sediment
PDI-049SC-A-09-10-191015	A0D0205-02	Sediment
PDI-049SC-A-10-11-191015	A0D0205-03	Sediment
PDI-049SC-A-11-12-191015	A0D0205-04	Sediment

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

Signature: 
Name: David G. Jack

Forms Created: 5/4/2020 12:42PM
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 [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 evalutated to the MDL in this report .

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-049SC-A-08-09-191015

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	Laboratory ID:	A0D0205-01RE1	File ID:	ECD5-04142019.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 08:28	Analyzed:	04/14/20 16:40
Solids:	71.21	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.78 g / 10 mL
Batch:	0040379	Sequence:	0D14043	Calibration:	A0C2504
Instrument:	DUALECD5				

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.1	33.4	51	42 - 129	
Decachlorobiphenyl (Surr) [2C]	65.1	54.0	83	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-049SC-A-09-10-191015

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	Laboratory ID:	A0D0205-02RE1	File ID:	ECD5-04142020.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 08:28	Analyzed:	04/14/20 16:57
Solids:	80.10	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.28 g / 10 mL
Batch:	0040379	Sequence:	0D14043	Calibration:	A0C2504
Instrument:	DUALECD5				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.21	U
3424-82-6	2,4'-DDE [2C]	1	1.21	U
789-02-6	2,4'-DDT [2C]	1	1.21	U
72-54-8	4,4'-DDD [2C]	1	1.21	U
72-55-9	4,4'-DDE [2C]	1	1.21	U
50-29-3	4,4'-DDT [2C]	1	1.21	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	60.7	31.6	52	42 - 129	
Decachlorobiphenyl (Surr) [2C]	60.7	51.3	84	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-049SC-A-10-11-191015

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	Laboratory ID:	A0D0205-03RE1	File ID:	ECD5-04142021.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 08:28	Analyzed:	04/14/20 17:14
Solids:	70.34	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.99 g / 10 mL
Batch:	0040379	Sequence:	0D14043	Calibration:	A0C2504
Instrument:	DUALECD5				

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	64.7	37.5	58	42 - 129	
Decachlorobiphenyl (Surr) [2C]	64.7	51.5	80	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-049SC-A-11-12-191015

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	Laboratory ID:	A0D0205-04RE1	File ID:	ECD5-04142022.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 08:28	Analyzed:	04/14/20 17:31
Solids:	67.72	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.39 g / 10 mL
Batch:	0040379	Sequence:	0D14043	Calibration:	A0C2504
Instrument:	DUALECD5				

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	71.1	37.4	53	42 - 129	
Decachlorobiphenyl (Surr) [2C]	71.1	42.7	60	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0040379 Batch Matrix: Sediment Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0040379-BLK1	ECD5-04142007.D	04/10/20 08:28	
LCS	0040379-BS1	ECD5-04142008.D	04/10/20 08:28	
PDI-049SC-A-08-09-191015	A0D0205-01RE1	ECD5-04142019.D	04/10/20 08:28	
PDI-049SC-A-09-10-191015	A0D0205-02RE1	ECD5-04142020.D	04/10/20 08:28	
PDI-049SC-A-10-11-191015	A0D0205-03RE1	ECD5-04142021.D	04/10/20 08:28	
PDI-049SC-A-11-12-191015	A0D0205-04RE1	ECD5-04142022.D	04/10/20 08:28	

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:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Matrix:	Sediment	Laboratory ID:	0040379-BLK1	File ID:	ECD5-04142007.D
Prepared:	04/10/20 08:28	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	11 g / 10 mL
Analyzed:	04/14/20 13:13	Instrument:	DUALECD5		
Batch:	0040379	Sequence:	0D14043	Calibration:	A0C2504

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	45.5	30.9	68	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	38.5	85	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:	0040379	Laboratory ID:	0040379-BS1
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	50.0	48.4	97	50 - 150
2,4'-DDE [2C]	50.0	43.5	87	50 - 150
2,4'-DDT [2C]	50.0	57.2	114	50 - 150
4,4'-DDD [2C]	50.0	48.5	97	50 - 150
4,4'-DDE [2C]	50.0	48.0	96	50 - 150
4,4'-DDT [2C]	50.0	58.9	118	50 - 150

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0C24036	Instrument:	DUALECD5
Matrix:	Sediment	Calibration:	A0C2504

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0C24036-ICB1	ECD5-03242006.D	03/24/20 13:58
Cal Standard	0C24036-CAL1	ECD5-03242007.D	03/24/20 14:15
Cal Standard	0C24036-CAL2	ECD5-03242008.D	03/24/20 14:33
Cal Standard	0C24036-CAL3	ECD5-03242009.D	03/24/20 14:50
Cal Standard	0C24036-CAL4	ECD5-03242010.D	03/24/20 15:07
Cal Standard	0C24036-CAL5	ECD5-03242011.D	03/24/20 15:24
Cal Standard	0C24036-CAL6	ECD5-03242012.D	03/24/20 15:41
Cal Standard	0C24036-CAL7	ECD5-03242013.D	03/24/20 15:59
Cal Standard	0C24036-CAL8	ECD5-03242014.D	03/24/20 16:16
Cal Standard	0C24036-CAL9	ECD5-03242015.D	03/24/20 16:33
Initial Cal Check	0C24036-ICV1	ECD5-03242017.D	03/24/20 17:07
Cal Standard	0C24036-CALA	ECD5-03242018.D	03/24/20 17:24
Cal Standard	0C24036-CALB	ECD5-03242019.D	03/24/20 17:42
Cal Standard	0C24036-CALC	ECD5-03242022.D	03/24/20 18:31
Cal Standard	0C24036-CALD	ECD5-03242023.D	03/24/20 18:48
Cal Standard	0C24036-CALE	ECD5-03242024.D	03/24/20 19:05
Cal Standard	0C24036-CALF	ECD5-03242025.D	03/24/20 19:22
Cal Standard	0C24036-CALG	ECD5-03242026.D	03/24/20 19:40
Cal Standard	0C24036-CALH	ECD5-03242027.D	03/24/20 19:57
Cal Standard	0C24036-CALI	ECD5-03242028.D	03/24/20 20:14
Initial Cal Check	0C24036-ICV2	ECD5-03242030.D	03/24/20 20:48

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 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:	0D14043	Instrument:	DUALECD5
Matrix:	Sediment	Calibration:	A0C2504

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0D14043-CCV1	ECD5-04142004.D	04/14/20 12:22
Calibration Check	0D14043-CCV2	ECD5-04142005.D	04/14/20 12:39
Calibration Blank	0D14043-CCB1	ECD5-04142006.D	04/14/20 12:56
Blank	0040379-BLK1	ECD5-04142007.D	04/14/20 13:13
LCS	0040379-BS1	ECD5-04142008.D	04/14/20 13:30
Calibration Check	0D14043-CCV3	ECD5-04142013.D	04/14/20 14:56
Calibration Check	0D14043-CCV4	ECD5-04142014.D	04/14/20 15:14
Calibration Blank	0D14043-CCB2	ECD5-04142015.D	04/14/20 15:31
PDI-049SC-A-08-09-191015	A0D0205-01RE1	ECD5-04142019.D	04/14/20 16:40
PDI-049SC-A-09-10-191015	A0D0205-02RE1	ECD5-04142020.D	04/14/20 16:57
PDI-049SC-A-10-11-191015	A0D0205-03RE1	ECD5-04142021.D	04/14/20 17:14
PDI-049SC-A-11-12-191015	A0D0205-04RE1	ECD5-04142022.D	04/14/20 17:31
Calibration Check	0D14043-CCV5	ECD5-04142023.D	04/14/20 17:48
Calibration Check	0D14043-CCV6	ECD5-04142024.D	04/14/20 18:06
Calibration Blank	0D14043-CCB3	ECD5-04142025.D	04/14/20 18:23

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

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: A0C2504 Date: 03/25/20 16:36 Instrument: DUALECD5

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD [2C]	186374.4	XXX	15.08586	8.498111	1.125328E-02				
2,4'-DDE [2C]	205762	XXX	11.9861	8.124778	8.192782E-03				
2,4'-DDT [2C]	162965.8	XXX	12.52737	8.722889	1.726622E-02				
4,4'-DDD [2C]	240614.9	Ave	7.807911	8.763556	1.175072E-02			20	
4,4'-DDE [2C]	286340.9	Ave	8.284494	8.347222	1.246625E-02			20	
4,4'-DDT [2C]	178991.9	XXX	21.1019	8.99	1.641069E-02				
2,4,5,6-TCMX (Surr) [2C]	285848.9	Ave	7.954123	5.986444	8.366451E-03			20	
Decachlorobiphenyl (Surr) [2C]	169828.9	Ave	6.733244	10.55289	0.0107996			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

Client: Anchor QEA, LLC

Calibration: A0C2504

SDG: Gasco_PreRD_DG 2019

Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te

Instrument: DUALECD5

Calibration Date: 03/25/20 16:36

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	178678	1	171895	2	162491.5	5	155935.2	10	152826.8	25	153270.9
4,4'-DDD [2C]	0.5	242706	1	235370	2	229740.5	5	230089.8	10	224708.9	25	221839.9
4,4'-DDE	0.5	208388	1	200955	2	188703.5	5	193266	10	189922.6	25	187161.6
4,4'-DDE [2C]	0.5	275068	1	269052	2	267691.5	5	276686	10	268206.6	25	276707.5
4,4'-DDT	0.5	128320	1	121352	2	119714	5	125793.2	10	124016.5	25	121616.6
4,4'-DDT [2C]	0.5	150566	1	143366	2	146638	5	165310.4	10	162162	25	169931
2,4,5,6-TCMX (Surr)	0.5	221072	1	207645	2	194623	5	192948.6	10	187144	25	180504.9
2,4,5,6-TCMX (Surr) [2C]	0.5	328912	1	286301	2	274864.5	5	267191.8	10	267285.2	25	260838.2
Decachlorobiphenyl (Surr)	0.5	196232	1	181183	2	169179.5	5	159806.8	10	147675.1	25	139880.8
Decachlorobiphenyl (Surr) [2C]	0.5	180580	1	178563	2	170701.5	5	167293.6	10	153956.7	25	154681.2

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: A0C2504
Instrument: DUALECD5
Matrix:
Calibration Date: 03/25/20 16:36

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	159250	1	148717	2	119932.5
2,4'-DDD [2C]							0.5	242152	1	222099	2	183045
2,4'-DDE							0.5	166420	1	156744	2	133603.5
2,4'-DDE [2C]							0.5	249946	1	238501	2	198749
2,4'-DDT							0.5	135582	1	129911	2	104336.5
2,4'-DDT [2C]							0.5	187458	1	174701	2	146594
4,4'-DDD	50	157731.2	100	163764.8	200	174281.3						
4,4'-DDD [2C]	50	245495.2	100	252688.5	200	282895						
4,4'-DDE	50	197512	100	198200	200	209889.1						
4,4'-DDE [2C]	50	296194.6	100	311080.9	200	336381						
4,4'-DDT	50	143032.8	100	141421.1	200	163801.7						
4,4'-DDT [2C]	50	203535.6	100	213200.1	200	256218						
2,4,5,6-TCMX (Surr)	50	184832.3	100	183544.7	200	186439						
2,4,5,6-TCMX (Surr) [2C]	50	280355.8	100	293630.2	200	313261.3						
Decachlorobiphenyl (Surr)	50	149520.8	100	143176.2	200	153019.5						
Decachlorobiphenyl (Surr) [2C]	50	164631.8	100	169821.9	200	188230.6						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration:	A0C2504	Instrument:	DUALECD5
Matrix:		Calibration Date:	03/25/20 16:36

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	111355.6	10	107743	25	107807.8	50	102410.7	100	108538	200	112832.1
2,4'-DDD [2C]	5	169589.8	10	166409.6	25	165195.9	50	162749.7	100	172652.7	200	193475.6
2,4'-DDE	5	125419.8	10	123775.8	25	120778.8	50	118237	100	122252.1	200	130964.1
2,4'-DDE [2C]	5	187202.4	10	185925.8	25	184594.8	50	187458.1	100	198783.3	200	220697.8
2,4'-DDT	5	100083.2	10	103887.2	25	104961.4	50	102185.6	100	109473.7	200	120512.5
2,4'-DDT [2C]	5	141991.4	10	145549	25	149076.8	50	155580.7	100	166355.1	200	199386.5

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 T
Instrument ID:	DUALECD5	Calibration:	A0C2504
Lab File ID:	ECD5-03242017.D		
Sequence:	0C24036	Inject Date:	03/24/20
Lab Sample ID:	0C24036-ICV1	Inject Time:	17:07

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	50.2	0.5	70 - 130
4,4'-DDD [2C]	50.0	51.1	2.1	70 - 130
4,4'-DDE	50.0	49.4	-1.2	70 - 130
4,4'-DDE [2C]	50.0	52.7	5.3	70 - 130
4,4'-DDT	50.0	55.4	10.9	70 - 130
4,4'-DDT [2C]	50.0	56.8	13.5	70 - 130
2,4,5,6-TCMX (Surr)	50.0	48.5	-3.0	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	49.6	-0.9	70 - 130
Decachlorobiphenyl (Surr)	50.0	50.7	1.4	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	48.5	-2.9	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 T
Instrument ID:	DUALECD5	Calibration:	A0C2504
Lab File ID:	ECD5-03242030.D		
Sequence:	0C24036	Inject Date:	03/24/20
Lab Sample ID:	0C24036-ICV2	Inject Time:	20:48

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	48.5	-3.0	70 - 130
2,4'-DDD [2C]	50.0	48.4	-3.1	70 - 130
2,4'-DDE	50.0	49.7	-0.7	70 - 130
2,4'-DDE [2C]	50.0	49.6	-0.8	70 - 130
2,4'-DDT	50.0	54.3	8.6	70 - 130
2,4'-DDT [2C]	50.0	56.5	12.9	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:	A0C2504
Lab File ID:	ECD5-04142004.D	Calibration Date:	03/25/20 16:36
Sequence:	0D14043	Injection Date:	04/14/20
Lab Sample ID:	0D14043-CCV1	Injection Time:	12:22

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	50.9		163430.5	166479.7	1.9	20
4,4'-DDD [2C]	Ave	50.0	54.4		240614.9	261538.6	8.7	20
4,4'-DDE	Ave	50.0	48.6		197110.9	191727.7	-2.7	20
4,4'-DDE [2C]	Ave	50.0	54.3		286340.9	311026.2	8.6	20
4,4'-DDT	XXX	50.0	47.2	-5.5				20
4,4'-DDT [2C]	XXX	50.0	53.3	6.6				20

** Quadratic Curve fit may be weighted (1/a or 1/a2). * = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	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:	A0C2504
Lab File ID:	ECD5-04142005.D	Calibration Date:	03/25/20 16:36
Sequence:	0D14043	Injection Date:	04/14/20
Lab Sample ID:	0D14043-CCV2	Injection Time:	12:39

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	50.0	-0.1				20
2,4'-DDD [2C]	XXX	50.0	50.7	1.4				20
2,4'-DDE	XXX	50.0	46.4	-7.3				20
2,4'-DDE [2C]	XXX	50.0	51.5	3.1				20
2,4'-DDT	XXX	50.0	44.8	-10.3				20
2,4'-DDT [2C]	XXX	50.0	47.8	-4.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD5	Calibration:	A0C2504
Lab File ID:	ECD5-04142013.D	Calibration Date:	03/25/20 16:36
Sequence:	0D14043	Injection Date:	04/14/20
Lab Sample ID:	0D14043-CCV3	Injection Time:	14:56

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	98.8		163430.5	161542	-1.2	20
4,4'-DDD [2C]	Ave	100	117		240614.9	281869.9	17.1	20
4,4'-DDE	Ave	100	95.9		197110.9	189036.5	-4.1	20
4,4'-DDE [2C]	Ave	100	116		286340.9	333205.4	16.4	20
4,4'-DDT	XXX	100	95.2	-4.8				20
4,4'-DDT [2C]	XXX	100	109	8.7				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD5	Calibration:	A0C2504
Lab File ID:	ECD5-04142014.D	Calibration Date:	03/25/20 16:36
Sequence:	0D14043	Injection Date:	04/14/20
Lab Sample ID:	0D14043-CCV4	Injection Time:	15:14

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	93.4	-6.6				20
2,4'-DDD [2C]	XXX	100	102	1.8				20
2,4'-DDE	XXX	100	91.6	-8.4				20
2,4'-DDE [2C]	XXX	100	101	0.7				20
2,4'-DDT	XXX	100	93.5	-6.5				20
2,4'-DDT [2C]	XXX	100	103	3.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	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:	A0C2504
Lab File ID:	ECD5-04142023.D	Calibration Date:	03/25/20 16:36
Sequence:	0D14043	Injection Date:	04/14/20
Lab Sample ID:	0D14043-CCV5	Injection Time:	17:48

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	45.9		163430.5	149971.9	-8.2	20
4,4'-DDD [2C]	Ave	50.0	56.5		240614.9	271692.4	12.9	20
4,4'-DDE	Ave	50.0	43.6		197110.9	172060.7	-12.7	20
4,4'-DDE [2C]	Ave	50.0	55.2		286340.9	316269.2	10.5	20
4,4'-DDT	XXX	50.0	43.4	-13.2				20
4,4'-DDT [2C]	XXX	50.0	53.3	6.5				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:	A0C2504
Lab File ID:	ECD5-04142024.D	Calibration Date:	03/25/20 16:36
Sequence:	0D14043	Injection Date:	04/14/20
Lab Sample ID:	0D14043-CCV6	Injection Time:	18:06

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	46.6	-6.7				20
2,4'-DDD [2C]	XXX	50.0	52.6	5.2				20
2,4'-DDE	XXX	50.0	44.4	-11.2				20
2,4'-DDE [2C]	XXX	50.0	50.6	1.2				20
2,4'-DDT	XXX	50.0	43.5	-13.0				20
2,4'-DDT [2C]	XXX	50.0	50.8	1.5				20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0C24036	Instrument:	DUALECD5
Matrix:	Sediment	Calibration:	A0C2504

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0C24036-ICV1)				Lab File ID: ECD5-03242017.D		Analyzed: 03/24/20 17:07		
2,4,5,6-TCMX (Surr)	50.0	97	70 - 130	5.39	5.390555	-0.0006	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	99	70 - 130	5.986	5.986444	-0.0004	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	101	70 - 130	9.587	9.588889	-0.0019	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	97	70 - 130	10.551	10.55289	-0.0019	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D14043	Instrument:	DUALECD5
Matrix:	Sediment	Calibration:	A0C2504

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0D14043-CCV1)			Lab File ID: ECD5-04142004.D		Analyzed: 04/14/20 12:22			
2,4,5,6-TCMX (Surr)	50.0	93	80 - 120	5.334	5.390555	-0.0566	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	99	80 - 120	5.93	5.986444	-0.0564	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	93	80 - 120	9.53	9.588889	-0.0589	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	103	80 - 120	10.483	10.55289	-0.0699	+/-1.0	
Calibration Blank (0D14043-CCB1)			Lab File ID: ECD5-04142006.D		Analyzed: 04/14/20 12:56			
2,4,5,6-TCMX (Surr) [2C]	100	100	42 - 129	5.929	5.986444	-0.0574	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	94	55 - 130	10.482	10.55289	-0.0709	+/-1.0	
Blank (0040379-BLK1)			Lab File ID: ECD5-04142007.D		Analyzed: 04/14/20 13:13			
2,4,5,6-TCMX (Surr) [2C]	45.5	68	42 - 129	5.93	5.986444	-0.0564	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	85	55 - 130	10.482	10.55289	-0.0709	+/-1.0	
LCS (0040379-BS1)			Lab File ID: ECD5-04142008.D		Analyzed: 04/14/20 13:30			
2,4,5,6-TCMX (Surr) [2C]	50.0	70	42 - 129	5.928	5.986444	-0.0584	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	85	55 - 130	10.48	10.55289	-0.0729	+/-1.0	
Calibration Check (0D14043-CCV3)			Lab File ID: ECD5-04142013.D		Analyzed: 04/14/20 14:56			
2,4,5,6-TCMX (Surr)	100	90	80 - 120	5.33	5.390555	-0.0606	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	105	80 - 120	5.928	5.986444	-0.0584	+/-1.0	
Decachlorobiphenyl (Surr)	100	101	80 - 120	9.528	9.588889	-0.0609	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	111	80 - 120	10.48	10.55289	-0.0729	+/-1.0	
Calibration Blank (0D14043-CCB2)			Lab File ID: ECD5-04142015.D		Analyzed: 04/14/20 15:31			
2,4,5,6-TCMX (Surr) [2C]	100	100	42 - 129	5.928	5.986444	-0.0584	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	93	55 - 130	10.48	10.55289	-0.0729	+/-1.0	
PDI-049SC-A-08-09-191015 (A0D0205-01RE1)			Lab File ID: ECD5-04142019.D		Analyzed: 04/14/20 16:40			
2,4,5,6-TCMX (Surr) [2C]	65.1	51	42 - 129	5.927	5.986444	-0.0594	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.1	83	55 - 130	10.48	10.55289	-0.0729	+/-1.0	
PDI-049SC-A-09-10-191015 (A0D0205-02RE1)			Lab File ID: ECD5-04142020.D		Analyzed: 04/14/20 16:57			
2,4,5,6-TCMX (Surr) [2C]	60.7	52	42 - 129	5.929	5.986444	-0.0574	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	60.7	84	55 - 130	10.481	10.55289	-0.0719	+/-1.0	
PDI-049SC-A-10-11-191015 (A0D0205-03RE1)			Lab File ID: ECD5-04142021.D		Analyzed: 04/14/20 17:14			
2,4,5,6-TCMX (Surr) [2C]	64.7	58	42 - 129	5.927	5.986444	-0.0594	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	64.7	80	55 - 130	10.48	10.55289	-0.0729	+/-1.0	
PDI-049SC-A-11-12-191015 (A0D0205-04RE1)			Lab File ID: ECD5-04142022.D		Analyzed: 04/14/20 17:31			
2,4,5,6-TCMX (Surr) [2C]	71.1	53	42 - 129	5.927	5.986444	-0.0594	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	71.1	60	55 - 130	10.48	10.55289	-0.0729	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D14043	Instrument:	DUALECD5
Matrix:	Sediment	Calibration:	A0C2504

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0D14043-CCV5)				Lab File ID: ECD5-04142023.D		Analyzed: 04/14/20 17:48		
2,4,5,6-TCMX (Surr)	50.0	88	80 - 120	5.33	5.390555	-0.0606	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	101	80 - 120	5.927	5.986444	-0.0594	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	97	80 - 120	9.528	9.588889	-0.0609	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	109	80 - 120	10.48	10.55289	-0.0729	+/-1.0	
Calibration Blank (0D14043-CCB3)				Lab File ID: ECD5-04142025.D		Analyzed: 04/14/20 18:23		
2,4,5,6-TCMX (Surr) [2C]	100	104	42 - 129	5.928	5.986444	-0.0584	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	97	55 - 130	10.48	10.55289	-0.0729	+/-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-049SC-A-08-09-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 08:28	177.79	14.00	04/14/20 16:40	4.34	40.00	*
PDI-049SC-A-09-10-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 08:28	177.79	14.00	04/14/20 16:57	4.35	40.00	*
PDI-049SC-A-10-11-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 08:28	177.79	14.00	04/14/20 17:14	4.37	40.00	*
PDI-049SC-A-11-12-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 08:28	177.79	14.00	04/14/20 17:31	4.38	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
PDI-049SC-A-08-09-191015	A0D0205-01	Sediment
PDI-049SC-A-09-10-191015	A0D0205-02	Sediment
PDI-049SC-A-10-11-191015	A0D0205-03	Sediment
PDI-049SC-A-11-12-191015	A0D0205-04	Sediment

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

Signature: 
Name: David G. Jack

Forms Created: 5/4/2020 12:42PM
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 evalutated to the MDL in this report .

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-049SC-A-08-09-191015

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	Laboratory ID:	A0D0205-01	File ID:	N04102023.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 07:04	Analyzed:	04/10/20 22:44
Solids:	71.21	Preparation:	EPA 3546	Initial/Final:	10.49 g / 5 mL
Batch:	0040356	Sequence:	0D10041	Calibration:	A0D0804
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	10	1110	D
208-96-8	Acenaphthylene	10	48.1	D
120-12-7	Anthracene	10	113	D
56-55-3	Benz(a)anthracene	10	16.7	U
50-32-8	Benzo(a)pyrene	10	16.7	U
205-99-2	Benzo(b)fluoranthene	10	16.7	U
207-08-9	Benzo(k)fluoranthene	10	16.7	U
191-24-2	Benzo(g,h,i)perylene	10	16.7	U
218-01-9	Chrysene	10	16.7	U
53-70-3	Dibenz(a,h)anthracene	10	16.7	U
206-44-0	Fluoranthene	10	50.9	D
86-73-7	Fluorene	10	282	D
193-39-5	Indeno(1,2,3-cd)pyrene	10	16.7	U
91-57-6	2-Methylnaphthalene	10	285	D
91-20-3	Naphthalene	10	1340	D
85-01-8	Phenanthrene	10	883	D
129-00-0	Pyrene	10	32.6	JD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	66.9	49.4	74	44 - 120	
p-Terphenyl-d14 (Surr)	66.9	52.6	79	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	250577	7.877	226507	7.877	
Acenaphthene-d10 (ISTD)	160610	9.632	137641	9.632	
Phenanthrene-d10 (ISTD)	301104	11.141	265671	11.136	
Chrysene-d12 (ISTD)	281033	14.895	253703	14.895	
Perylene-d12 (ISTD)	289233	18.351	246508	18.351	
Dibenz(a,h)anthracene-d14 (ISTD)	236019	20.729	207305	20.729	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-049SC-A-09-10-191015

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	Laboratory ID:	A0D0205-02RE1	File ID:	N04132021.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 07:04	Analyzed:	04/13/20 19:28
Solids:	80.10	Preparation:	EPA 3546	Initial/Final:	10.29 g / 5 mL
Batch:	0040356	Sequence:	0D13031	Calibration:	A0D0804
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	52.1	
208-96-8	Acenaphthylene	1	1.52	U
120-12-7	Anthracene	1	1.52	U
56-55-3	Benz(a)anthracene	1	1.52	U
50-32-8	Benzo(a)pyrene	1	1.52	U
205-99-2	Benzo(b)fluoranthene	1	1.52	U
207-08-9	Benzo(k)fluoranthene	1	1.52	U
191-24-2	Benzo(g,h,i)perylene	1	1.52	U
218-01-9	Chrysene	1	1.52	U
53-70-3	Dibenz(a,h)anthracene	1	1.52	U
206-44-0	Fluoranthene	1	1.52	U
86-73-7	Fluorene	1	7.94	
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.52	U
91-57-6	2-Methylnaphthalene	1	11.2	
91-20-3	Naphthalene	1	49.2	
85-01-8	Phenanthrene	1	7.95	
129-00-0	Pyrene	1	1.52	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	60.7	41.1	68	44 - 120	
p-Terphenyl-d14 (Surr)	60.7	42.6	70	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	301964	7.877	225671	7.877	
Acenaphthene-d10 (ISTD)	183796	9.638	134953	9.632	
Phenanthrene-d10 (ISTD)	349165	11.142	252632	11.136	
Chrysene-d12 (ISTD)	350164	14.901	243182	14.895	
Perylene-d12 (ISTD)	359667	18.363	241609	18.351	
Dibenz(a,h)anthracene-d14 (ISTD)	295572	20.741	188577	20.735	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-049SC-A-10-11-191015

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	Laboratory ID:	A0D0205-03	File ID:	N04132015.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 07:04	Analyzed:	04/13/20 15:37
Solids:	70.34	Preparation:	EPA 3546	Initial/Final:	10.08 g / 5 mL
Batch:	0040356	Sequence:	0D13031	Calibration:	A0D0804
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	32.6	
208-96-8	Acenaphthylene	1	1.76	U
120-12-7	Anthracene	1	1.76	U
56-55-3	Benz(a)anthracene	1	1.76	U
50-32-8	Benzo(a)pyrene	1	1.76	U
205-99-2	Benzo(b)fluoranthene	1	1.76	U
207-08-9	Benzo(k)fluoranthene	1	1.76	U
191-24-2	Benzo(g,h,i)perylene	1	1.76	U
218-01-9	Chrysene	1	1.76	U
53-70-3	Dibenz(a,h)anthracene	1	1.76	U
206-44-0	Fluoranthene	1	1.76	U
86-73-7	Fluorene	1	1.76	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.76	U
91-57-6	2-Methylnaphthalene	1	9.92	
91-20-3	Naphthalene	1	125	
85-01-8	Phenanthrene	1	1.76	U
129-00-0	Pyrene	1	1.76	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	70.5	51.1	72	44 - 120	
p-Terphenyl-d14 (Surr)	70.5	54.1	77	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	278887	7.877	225671	7.877	
Acenaphthene-d10 (ISTD)	176194	9.632	134953	9.632	
Phenanthrene-d10 (ISTD)	321761	11.136	252632	11.136	
Chrysene-d12 (ISTD)	309077	14.895	243182	14.895	
Perylene-d12 (ISTD)	316820	18.351	241609	18.351	
Dibenz(a,h)anthracene-d14 (ISTD)	255018	20.735	188577	20.735	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-049SC-A-11-12-191015

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	Laboratory ID:	A0D0205-04RE3	File ID:	N04142007.D
Sampled:	10/15/19 13:29	Prepared:	04/10/20 07:04	Analyzed:	04/14/20 11:48
Solids:	67.72	Preparation:	EPA 3546	Initial/Final:	10.26 g / 5 mL
Batch:	0040356	Sequence:	0D14032	Calibration:	A0D0804
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	9.23	
208-96-8	Acenaphthylene	1	1.80	U
120-12-7	Anthracene	1	1.80	U
56-55-3	Benz(a)anthracene	1	1.80	U
50-32-8	Benzo(a)pyrene	1	1.80	U
205-99-2	Benzo(b)fluoranthene	1	1.80	U
207-08-9	Benzo(k)fluoranthene	1	1.80	U
191-24-2	Benzo(g,h,i)perylene	1	1.80	U
218-01-9	Chrysene	1	1.80	U
53-70-3	Dibenz(a,h)anthracene	1	1.80	U
206-44-0	Fluoranthene	1	1.80	U
86-73-7	Fluorene	1	1.96	J
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.80	U
91-57-6	2-Methylnaphthalene	1	3.09	J
91-20-3	Naphthalene	1	7.37	
85-01-8	Phenanthrene	1	2.92	J
129-00-0	Pyrene	1	2.12	J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	72.0	47.6	66	44 - 120	
p-Terphenyl-d14 (Surr)	72.0	54.4	76	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	300935	7.883	212359	7.883	
Acenaphthene-d10 (ISTD)	188248	9.638	137648	9.637	
Phenanthrene-d10 (ISTD)	361690	11.147	257515	11.141	
Chrysene-d12 (ISTD)	379652	14.918	249832	14.907	
Perylene-d12 (ISTD)	362720	18.386	246122	18.369	
Dibenz(a,h)anthracene-d14 (ISTD)	302381	20.77	191816	20.747	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Batch: 0040356 Batch Matrix: Sediment Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0040356-BLK1	N04102011.D	04/10/20 07:04	
LCS	0040356-BS1	N04102012.D	04/10/20 07:04	
PDI-049SC-A-08-09-191015	A0D0205-01	N04102023.D	04/10/20 07:04	
PDI-049SC-A-09-10-191015	A0D0205-02RE1	N04132021.D	04/10/20 07:04	
PDI-049SC-A-10-11-191015	A0D0205-03	N04132015.D	04/10/20 07:04	
PDI-049SC-A-11-12-191015	A0D0205-04RE3	N04142007.D	04/10/20 07:04	

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

METHOD BLANK DATA SHEET

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	Laboratory ID:	0040356-BLK1	File ID:	N04102011.D
Prepared:	04/10/20 07:04	Preparation:	EPA 3546	Initial/Final:	11 g / 5 mL
Analyzed:	04/10/20 16:25	Instrument:	SV-GCMS14		
Batch:	0040356	Sequence:	0D10041	Calibration:	A0D0804

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	34.2	75	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	40.6	89	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	257039	7.877	226507	7.877	
Acenaphthene-d10 (ISTD)	154026	9.632	137641	9.632	
Phenanthrene-d10 (ISTD)	284354	11.135	265671	11.136	
Chrysene-d12 (ISTD)	247765	14.889	253703	14.895	
Perylene-d12 (ISTD)	232214	18.351	246508	18.351	
Dibenz(a,h)anthracene-d14 (ISTD)	192845	20.729	207305	20.729	

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:	0040356	Laboratory ID:	0040356-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	15.5	78	40 - 123
Acenaphthylene	20.0	16.6	83	32 - 132
Anthracene	20.0	16.9	84	47 - 123
Benz(a)anthracene	20.0	16.1	81	49 - 126
Benzo(a)pyrene	20.0	16.9	85	45 - 129
Benzo(b)fluoranthene	20.0	16.1	80	45 - 132
Benzo(k)fluoranthene	20.0	16.0	80	47 - 132
Benzo(g,h,i)perylene	20.0	15.7	78	43 - 134
Chrysene	20.0	15.8	79	50 - 124
Dibenz(a,h)anthracene	20.0	15.0	75	45 - 134
Fluoranthene	20.0	16.8	84	50 - 127
Fluorene	20.0	16.2	81	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	15.9	80	45 - 133
2-Methylnaphthalene	20.0	16.2	81	38 - 122
Naphthalene	20.0	14.9	75	35 - 123
Phenanthrene	20.0	15.2	76	50 - 121
Pyrene	20.0	16.9	84	47 - 127

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D07056	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D10041	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0D10041-TUN1	N04102008.D	04/10/20 14:53
Calibration Check	0D10041-CCV1	N04102009.D	04/10/20 15:20
Calibration Blank	0D10041-CCB1	N04102010.D	04/10/20 15:52
Blank	0040356-BLK1	N04102011.D	04/10/20 16:25
LCS	0040356-BS1	N04102012.D	04/10/20 16:57
PDI-049SC-A-08-09-191015	A0D0205-01	N04102023.D	04/10/20 22:44

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D13031	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0D13031-TUN1	N04132001.D	04/13/20 08:13
Calibration Check	0D13031-CCV1	N04132002.D	04/13/20 08:40
Calibration Blank	0D13031-CCB2	N04132004.D	04/13/20 09:44
PDI-049SC-A-10-11-191015	A0D0205-03	N04132015.D	04/13/20 15:37
PDI-049SC-A-09-10-191015	A0D0205-02RE1	N04132021.D	04/13/20 19:28

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:	0D14032	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0D14032-TUN2	N04142003.D	04/14/20 09:41
Calibration Check	0D14032-CCV1	N04142004.D	04/14/20 10:09
Calibration Blank	0D14032-CCB1	N04142005.D	04/14/20 10:41
PDI-049SC-A-11-12-191015	A0D0205-04RE3	N04142007.D	04/14/20 11:48

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

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:	N04072011.D	Injection Date:	04/07/20
Instrument ID:	SV-GCMS14	Injection Time:	16:40
Sequence:	0D07056	Lab Sample ID:	0D07056-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Lab File ID:	N04102008.D	Injection Date:	04/10/20
Instrument ID:	SV-GCMS14	Injection Time:	14:53
Sequence:	0D10041	Lab Sample ID:	0D10041-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.86	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.51	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.76	PASS
m/z 365	1 - 100% of m/z 198	4.49	PASS
m/z 441	Less than 150% of m/z 443	77.95	PASS
m/z 442	0.1 - 200% of m/z 198	157.33	PASS
m/z 443	15 - 24% of m/z 442	19.50	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:	N04132001.D	Injection Date:	04/13/20
Instrument ID:	SV-GCMS14	Injection Time:	08:13
Sequence:	0D13031	Lab Sample ID:	0D13031-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.82	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.52	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.74	PASS
m/z 365	1 - 100% of m/z 198	4.76	PASS
m/z 441	Less than 150% of m/z 443	77.81	PASS
m/z 442	0.1 - 200% of m/z 198	169.28	PASS
m/z 443	15 - 24% of m/z 442	19.35	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:	N04142003.D	Injection Date:	04/14/20
Instrument ID:	SV-GCMS14	Injection Time:	09:41
Sequence:	0D14032	Lab Sample ID:	0D14032-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.91	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.49	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.81	PASS
m/z 365	1 - 100% of m/z 198	4.69	PASS
m/z 441	Less than 150% of m/z 443	77.69	PASS
m/z 442	0.1 - 200% of m/z 198	171.31	PASS
m/z 443	15 - 24% of m/z 442	19.49	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8270D

Laboratory: Apex Laboratories SDG: Gasco_PreRD_DG 2019

Client: Anchor QEA, LLC Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0D0804 Date: 04/08/20 10:34 Instrument: SV-GCMS14

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

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

INITIAL CALIBRATION DATA

EPA 8270D

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Calibration: A0D0804

SDG: Gasco_PreRD_DG 2019

Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te

Instrument: SV-GCMS14

Calibration Date: 04/08/20 10:34

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

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration: A0D0804
Instrument: SV-GCMS14
Matrix:
Calibration Date: 04/08/20 10:34

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

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270D

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

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

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	SV-GCMS14	Calibration:	A0D0804
Lab File ID:	N04102009.D	Calibration Date:	04/08/20 10:34
Sequence:	0D10041	Injection Date:	04/10/20
Lab Sample ID:	0D10041-CCV1	Injection Time:	15:20

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	51.2		1.367868	1.399786	2.3	20
Acenaphthylene	Ave	50.0	53.7		1.864683	2.002252	7.4	20
Anthracene	Ave	50.0	55.8		0.9426797	1.052061	11.6	20
Benz(a)anthracene	Ave	50.0	52.0		1.037035	1.079025	4.0	20
Benzo(a)pyrene	XXX	50.0	56.9	13.9				20
Benzo(b)fluoranthene	Ave	50.0	53.9		1.033776	1.114568	7.8	20
Benzo(k)fluoranthene	Ave	50.0	52.8		1.030571	1.087794	5.6	20
Benzo(g,h,i)perylene	Ave	50.0	51.0		1.165254	1.187555	1.9	20
Chrysene	Ave	50.0	49.4		1.066565	1.054446	-1.1	20
Dibenz(a,h)anthracene	Ave	50.0	50.3		1.095365	1.102414	0.6	20
Fluoranthene	Ave	50.0	54.5		1.134427	1.2361	9.0	20
Fluorene	Ave	50.0	54.9		1.315227	1.445238	9.9	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	50.7		1.086276	1.100591	1.3	20
2-Methylnaphthalene	Ave	50.0	52.4		0.7313287	0.7663869	4.8	20
Naphthalene	Ave	50.0	48.7		1.08918	1.061769	-2.5	20
Phenanthrene	Ave	50.0	49.5		1.151046	1.140456	-0.9	20
Pyrene	Ave	50.0	51.7		1.297049	1.342057	3.5	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	SV-GCMS14	Calibration:	A0D0804
Lab File ID:	N04132002.D	Calibration Date:	04/08/20 10:34
Sequence:	0D13031	Injection Date:	04/13/20
Lab Sample ID:	0D13031-CCV1	Injection Time:	08:40

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	50.4		1.367868	1.379073	0.8	20
Acenaphthylene	Ave	50.0	54.4		1.864683	2.027906	8.8	20
Anthracene	Ave	50.0	55.1		0.9426797	1.038285	10.1	20
Benz(a)anthracene	Ave	50.0	51.8		1.037035	1.073821	3.5	20
Benzo(a)pyrene	XXX	50.0	56.4	12.8				20
Benzo(b)fluoranthene	Ave	50.0	52.8		1.033776	1.092443	5.7	20
Benzo(k)fluoranthene	Ave	50.0	52.1		1.030571	1.074538	4.3	20
Benzo(g,h,i)perylene	Ave	50.0	53.7		1.165254	1.250587	7.3	20
Chrysene	Ave	50.0	48.7		1.066565	1.039501	-2.5	20
Dibenz(a,h)anthracene	Ave	50.0	49.8		1.095365	1.092159	-0.3	20
Fluoranthene	Ave	50.0	54.9		1.134427	1.244617	9.7	20
Fluorene	Ave	50.0	53.4		1.315227	1.405082	6.8	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	51.9		1.086276	1.127338	3.8	20
2-Methylnaphthalene	Ave	50.0	48.8		0.7313287	0.7140306	-2.4	20
Naphthalene	Ave	50.0	49.4		1.08918	1.075043	-1.3	20
Phenanthrene	Ave	50.0	49.0		1.151046	1.129105	-1.9	20
Pyrene	Ave	50.0	51.5		1.297049	1.335913	3.0	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	SV-GCMS14	Calibration:	A0D0804
Lab File ID:	N04142004.D	Calibration Date:	04/08/20 10:34
Sequence:	0D14032	Injection Date:	04/14/20
Lab Sample ID:	0D14032-CCV1	Injection Time:	10:09

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	51.1		1.367868	1.39832	2.2	20
Acenaphthylene	Ave	50.0	54.4		1.864683	2.030237	8.9	20
Anthracene	Ave	50.0	56.7		0.9426797	1.068295	13.3	20
Benz(a)anthracene	Ave	50.0	52.9		1.037035	1.097698	5.8	20
Benzo(a)pyrene	XXX	50.0	59.2	18.3				20
Benzo(b)fluoranthene	Ave	50.0	55.3		1.033776	1.144083	10.7	20
Benzo(k)fluoranthene	Ave	50.0	52.4		1.030571	1.081155	4.9	20
Benzo(g,h,i)perylene	Ave	50.0	52.8		1.165254	1.229731	5.5	20
Chrysene	Ave	50.0	49.6		1.066565	1.057311	-0.9	20
Dibenz(a,h)anthracene	Ave	50.0	50.8		1.095365	1.111961	1.5	20
Fluoranthene	Ave	50.0	55.7		1.134427	1.264361	11.5	20
Fluorene	Ave	50.0	55.8		1.315227	1.468993	11.7	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	53.6		1.086276	1.165148	7.3	20
2-Methylnaphthalene	Ave	50.0	56.7		0.7313287	0.8288135	13.3	20
Naphthalene	Ave	50.0	49.4		1.08918	1.075471	-1.3	20
Phenanthrene	Ave	50.0	49.4		1.151046	1.136858	-1.2	20
Pyrene	Ave	50.0	52.7		1.297049	1.366662	5.4	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:	0D07056	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

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

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D10041	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0D10041-CCV1)			Lab File ID: N04102009.D		Analyzed: 04/10/20 15:20			
2-Fluorobiphenyl (Surr)	50.0	99	80 - 120	8.95	8.973	-0.0230	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	106	80 - 120	12.919	12.9576	-0.0386	+/-1.0	
Calibration Blank (0D10041-CCB1)			Lab File ID: N04102010.D		Analyzed: 04/10/20 15:52			
2-Fluorobiphenyl (Surr)			44 - 120	8.944	8.973	-0.0290	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.919	12.9576	-0.0386	+/-1.0	
Blank (0040356-BLK1)			Lab File ID: N04102011.D		Analyzed: 04/10/20 16:25			
2-Fluorobiphenyl (Surr)	45.5	75	44 - 120	8.95	8.973	-0.0230	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	89	54 - 127	12.919	12.9576	-0.0386	+/-1.0	
LCS (0040356-BS1)			Lab File ID: N04102012.D		Analyzed: 04/10/20 16:57			
2-Fluorobiphenyl (Surr)	50.0	77	44 - 120	8.95	8.973	-0.0230	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	86	54 - 127	12.919	12.9576	-0.0386	+/-1.0	
PDI-049SC-A-08-09-191015 (A0D0205-01)			Lab File ID: N04102023.D		Analyzed: 04/10/20 22:44			
2-Fluorobiphenyl (Surr)	66.9	74	44 - 120	8.944	8.973	-0.0290	+/-1.0	
p-Terphenyl-d14 (Surr)	66.9	79	54 - 127	12.919	12.9576	-0.0386	+/-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:	0D13031	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0D13031-CCV1)			Lab File ID: N04132002.D		Analyzed: 04/13/20 08:40			
2-Fluorobiphenyl (Surr)	50.0	102	80 - 120	8.95	8.973	-0.0230	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	102	80 - 120	12.919	12.9576	-0.0386	+/-1.0	
Calibration Blank (0D13031-CCB2)			Lab File ID: N04132004.D		Analyzed: 04/13/20 09:44			
2-Fluorobiphenyl (Surr)			44 - 120	8.944	8.973	-0.0290	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.919	12.9576	-0.0386	+/-1.0	
PDI-049SC-A-10-11-191015 (A0D0205-03)			Lab File ID: N04132015.D		Analyzed: 04/13/20 15:37			
2-Fluorobiphenyl (Surr)	70.5	72	44 - 120	8.944	8.973	-0.0290	+/-1.0	
p-Terphenyl-d14 (Surr)	70.5	77	54 - 127	12.919	12.9576	-0.0386	+/-1.0	
PDI-049SC-A-09-10-191015 (A0D0205-02RE1)			Lab File ID: N04132021.D		Analyzed: 04/13/20 19:28			
2-Fluorobiphenyl (Surr)	60.7	68	44 - 120	8.95	8.973	-0.0230	+/-1.0	
p-Terphenyl-d14 (Surr)	60.7	70	54 - 127	12.925	12.9576	-0.0326	+/-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:	0D14032	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0D14032-CCV1)			Lab File ID: N04142004.D		Analyzed: 04/14/20 10:09			
2-Fluorobiphenyl (Surr)	50.0	99	80 - 120	8.95	8.973	-0.0230	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	107	80 - 120	12.931	12.9576	-0.0266	+/-1.0	
Calibration Blank (0D14032-CCB1)			Lab File ID: N04142005.D		Analyzed: 04/14/20 10:41			
2-Fluorobiphenyl (Surr)			44 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.931	12.9576	-0.0266	+/-1.0	
PDI-049SC-A-11-12-191015 (A0D0205-04RE3)			Lab File ID: N04142007.D		Analyzed: 04/14/20 11:48			
2-Fluorobiphenyl (Surr)	72.0	66	44 - 120	8.95	8.973	-0.0230	+/-1.0	
p-Terphenyl-d14 (Surr)	72.0	76	54 - 127	12.931	12.9576	-0.0266	+/-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:	0D10041	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0D10041-CCV1)			Lab File ID: N04102009.D			Analyzed: 04/10/20 15:20			
Naphthalene-d8 (ISTD)	226507	7.877	265079	7.906	85	50 - 200	-0.0290	+/-0.50	
Acenaphthene-d10 (ISTD)	137641	9.632	146492	9.661	94	50 - 200	-0.0290	+/-0.50	
Phenanthrene-d10 (ISTD)	265671	11.136	242013	11.165	110	50 - 200	-0.0290	+/-0.50	
Chrysene-d12 (ISTD)	253703	14.895	238949	14.947	106	50 - 200	-0.0520	+/-0.50	
Perylene-d12 (ISTD)	246508	18.351	233103	18.41	106	50 - 200	-0.0590	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	207305	20.729	190743	20.794	109	50 - 200	-0.0650	+/-0.50	
Calibration Blank (0D10041-CCB1)			Lab File ID: N04102010.D			Analyzed: 04/10/20 15:52			
Naphthalene-d8 (ISTD)	240662	7.877	226507	7.877	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	146760	9.632	137641	9.632	107	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	277357	11.135	265671	11.136	104	50 - 200	-0.0010	+/-0.50	
Chrysene-d12 (ISTD)	249653	14.889	253703	14.895	98	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	233892	18.345	246508	18.351	95	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	201826	20.729	207305	20.729	97	50 - 200	0.0000	+/-0.50	
Blank (0040356-BLK1)			Lab File ID: N04102011.D			Analyzed: 04/10/20 16:25			
Naphthalene-d8 (ISTD)	257039	7.877	226507	7.877	113	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	154026	9.632	137641	9.632	112	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	284354	11.135	265671	11.136	107	50 - 200	-0.0010	+/-0.50	
Chrysene-d12 (ISTD)	247765	14.889	253703	14.895	98	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	232214	18.351	246508	18.351	94	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	192845	20.729	207305	20.729	93	50 - 200	0.0000	+/-0.50	
LCS (0040356-BS1)			Lab File ID: N04102012.D			Analyzed: 04/10/20 16:57			
Naphthalene-d8 (ISTD)	262147	7.877	226507	7.877	116	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	158610	9.632	137641	9.632	115	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	295877	11.136	265671	11.136	111	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	264468	14.895	253703	14.895	104	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	254901	18.346	246508	18.351	103	50 - 200	-0.0050	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	204978	20.73	207305	20.729	99	50 - 200	0.0010	+/-0.50	
Duplicate (0040356-DUP1)			Lab File ID: N04102014.D			Analyzed: 04/10/20 18:01			
Naphthalene-d8 (ISTD)	256338	7.877	226507	7.877	113	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	162543	9.632	137641	9.632	118	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	316302	11.141	265671	11.136	119	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	340249	14.895	253703	14.895	134	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	342134	18.351	246508	18.351	139	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	292996	20.729	207305	20.729	141	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Sequence:	0D10041	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (0040356-MS1)			Lab File ID: N04102015.D			Analyzed: 04/10/20 18:33			
Naphthalene-d8 (ISTD)	267688	7.883	226507	7.877	118	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	165649	9.638	137641	9.632	120	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	321384	11.141	265671	11.136	121	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	303179	14.895	253703	14.895	120	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	301913	18.351	246508	18.351	122	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	246200	20.729	207305	20.729	119	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (0040356-MSD1)			Lab File ID: N04102016.D			Analyzed: 04/10/20 19:04			
Naphthalene-d8 (ISTD)	275177	7.877	226507	7.877	121	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	171062	9.632	137641	9.632	124	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	331948	11.141	265671	11.136	125	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	314220	14.895	253703	14.895	124	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	311603	18.352	246508	18.351	126	50 - 200	0.0010	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	252516	20.73	207305	20.729	122	50 - 200	0.0010	+/-0.50	
PDI-049SC-A-08-09-191015 (A0D0205-01)			Lab File ID: N04102023.D			Analyzed: 04/10/20 22:44			
Naphthalene-d8 (ISTD)	250577	7.877	226507	7.877	111	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	160610	9.632	137641	9.632	117	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	301104	11.141	265671	11.136	113	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	281033	14.895	253703	14.895	111	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	289233	18.351	246508	18.351	117	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	236019	20.729	207305	20.729	114	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:	0D13031	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0D13031-CCV1)			Lab File ID: N04132002.D			Analyzed: 04/13/20 08:40			
Naphthalene-d8 (ISTD)	225671	7.877	265079	7.906	85	50 - 200	-0.0290	+/-0.50	
Acenaphthene-d10 (ISTD)	134953	9.632	146492	9.661	92	50 - 200	-0.0290	+/-0.50	
Phenanthrene-d10 (ISTD)	252632	11.136	242013	11.165	104	50 - 200	-0.0290	+/-0.50	
Chrysene-d12 (ISTD)	243182	14.895	238949	14.947	102	50 - 200	-0.0520	+/-0.50	
Perylene-d12 (ISTD)	241609	18.351	233103	18.41	104	50 - 200	-0.0590	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	188577	20.735	190743	20.794	99	50 - 200	-0.0590	+/-0.50	
Calibration Blank (0D13031-CCB2)			Lab File ID: N04132004.D			Analyzed: 04/13/20 09:44			
Naphthalene-d8 (ISTD)	261439	7.877	225671	7.877	116	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	159304	9.632	134953	9.632	118	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	315835	11.136	252632	11.136	125	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	319199	14.895	243182	14.895	131	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	306800	18.351	241609	18.351	127	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	260276	20.73	188577	20.735	138	50 - 200	-0.0050	+/-0.50	
PDI-049SC-A-10-11-191015 (A0D0205-03)			Lab File ID: N04132015.D			Analyzed: 04/13/20 15:37			
Naphthalene-d8 (ISTD)	278887	7.877	225671	7.877	124	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	176194	9.632	134953	9.632	131	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	321761	11.136	252632	11.136	127	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	309077	14.895	243182	14.895	127	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	316820	18.351	241609	18.351	131	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	255018	20.735	188577	20.735	135	50 - 200	0.0000	+/-0.50	
PDI-049SC-A-09-10-191015 (A0D0205-02RE1)			Lab File ID: N04132021.D			Analyzed: 04/13/20 19:28			
Naphthalene-d8 (ISTD)	301964	7.877	225671	7.877	134	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	183796	9.638	134953	9.632	136	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	349165	11.142	252632	11.136	138	50 - 200	0.0060	+/-0.50	
Chrysene-d12 (ISTD)	350164	14.901	243182	14.895	144	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	359667	18.363	241609	18.351	149	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	295572	20.741	188577	20.735	157	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:	0D14032	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0D14032-CCV1)			Lab File ID: N04142004.D			Analyzed: 04/14/20 10:09			
Naphthalene-d8 (ISTD)	212359	7.883	265079	7.906	80	50 - 200	-0.0230	+/-0.50	
Acenaphthene-d10 (ISTD)	137648	9.637	146492	9.661	94	50 - 200	-0.0240	+/-0.50	
Phenanthrene-d10 (ISTD)	257515	11.141	242013	11.165	106	50 - 200	-0.0240	+/-0.50	
Chrysene-d12 (ISTD)	249832	14.907	238949	14.947	105	50 - 200	-0.0400	+/-0.50	
Perylene-d12 (ISTD)	246122	18.369	233103	18.41	106	50 - 200	-0.0410	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	191816	20.747	190743	20.794	101	50 - 200	-0.0470	+/-0.50	
Calibration Blank (0D14032-CCB1)			Lab File ID: N04142005.D			Analyzed: 04/14/20 10:41			
Naphthalene-d8 (ISTD)	245534	7.883	212359	7.883	116	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	168507	9.637	137648	9.637	122	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	316787	11.147	257515	11.141	123	50 - 200	0.0060	+/-0.50	
Chrysene-d12 (ISTD)	277362	14.907	249832	14.907	111	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	260661	18.369	246122	18.369	106	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	198482	20.747	191816	20.747	103	50 - 200	0.0000	+/-0.50	
PDI-049SC-A-11-12-191015 (A0D0205-04RE3)			Lab File ID: N04142007.D			Analyzed: 04/14/20 11:48			
Naphthalene-d8 (ISTD)	300935	7.883	212359	7.883	142	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	188248	9.638	137648	9.637	137	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	361690	11.147	257515	11.141	140	50 - 200	0.0060	+/-0.50	
Chrysene-d12 (ISTD)	379652	14.918	249832	14.907	152	50 - 200	0.0110	+/-0.50	
Perylene-d12 (ISTD)	362720	18.386	246122	18.369	147	50 - 200	0.0170	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	302381	20.77	191816	20.747	158	50 - 200	0.0230	+/-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-049SC-A-08-09-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 07:04	177.73	14.00	04/10/20 22:44	0.65	40.00	*
PDI-049SC-A-09-10-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 07:04	177.73	14.00	04/13/20 19:28	3.52	40.00	*
PDI-049SC-A-10-11-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 07:04	177.73	14.00	04/13/20 15:37	3.36	40.00	*
PDI-049SC-A-11-12-191015	10/15/19 13:29	10/16/19 10:00	04/10/20 07:04	177.73	14.00	04/14/20 11:48	4.20	40.00	*

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 5310 B MOD

ANALYSES DATA PACKAGE COVER PAGE

SM 5310 B MOD

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

SDG: Gasco PreRD_DG 2019

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

Client Sample Id:	Lab Sample Id:	Matrix
PDI-049SC-A-08-09-191015	A0D0205-01	Sediment
PDI-049SC-A-09-10-191015	A0D0205-02	Sediment
PDI-049SC-A-10-11-191015	A0D0205-03	Sediment
PDI-049SC-A-11-12-191015	A0D0205-04	Sediment

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

Signature: 

Name: David G. Jack

Forms Created: 5/4/2020 12:42PM

Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco_PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP

Batch Matrix: Soil

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

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

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-049SC-A-08-09-191015

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: A0D0205-01
File ID: 0D17045.txt-017
Sampled: 10/15/19 13:29
Prepared: 04/14/20 13:14
Analyzed: 04/17/20 20:53
Solids: 71.21
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 0040465
Sequence: 0D17045
Calibration: A0A0805
Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.75	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-049SC-A-09-10-191015

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: A0D0205-02
File ID: 0D17045.txt-019
Sampled: 10/15/19 13:29
Prepared: 04/14/20 13:14
Analyzed: 04/17/20 21:15
Solids: 80.10
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 0040465
Sequence: 0D17045
Calibration: A0A0805
Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.17	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-049SC-A-10-11-191015

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: A0D0205-03
File ID: 0D17045.txt-020
Sampled: 10/15/19 13:29
Prepared: 04/14/20 13:14
Analyzed: 04/17/20 21:26
Solids: 70.34
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 0040465
Sequence: 0D17045
Calibration: A0A0805
Instrument: TOC6

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

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-049SC-A-11-12-191015

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: A0D0205-04
File ID: 0D17045.txt-021
Sampled: 10/15/19 13:29
Prepared: 04/14/20 13:14
Analyzed: 04/17/20 21:37
Solids: 67.72
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 0040465
Sequence: 0D17045
Calibration: A0A0805
Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.72	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: 0040465 Batch Matrix: Soil
Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0040465-BLK1	0D17045.txt-007	04/14/20 13:14	
LCS	0040465-BS1	0D17045.txt-008	04/14/20 13:14	
PDI-049SC-A-08-09-191015 (Dup)	0040465-DUP3	0D17045.txt-018	04/14/20 13:14	
PDI-049SC-A-08-09-191015	A0D0205-01	0D17045.txt-017	04/14/20 13:14	
PDI-049SC-A-09-10-191015	A0D0205-02	0D17045.txt-019	04/14/20 13:14	
PDI-049SC-A-10-11-191015	A0D0205-03	0D17045.txt-020	04/14/20 13:14	
PDI-049SC-A-11-12-191015	A0D0205-04	0D17045.txt-021	04/14/20 13:14	

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

METHOD BLANK DATA SHEET
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	
Matrix:	Soil	Laboratory ID:	0040465-BLK1	File ID:	0D17045.txt-007
Prepared:	04/14/20 13:14	Preparation:	PSEP-5310B TOC	Initial/Final:	0.2 N/A / 0.2 N/A
Analyzed:	04/17/20 19:06	Instrument:	TOC6		
Batch:	0040465	Sequence:	0D17045	Calibration:	A0A0805

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

LCS / LCS DUPLICATE RECOVERY

SM 5310 B MOD

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Soil		
Batch:	0040465	Laboratory ID:	0040465-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	9600	96	90 - 110

* = Values outside of QC limits

PDI-049SC-A-08-09-191015

DUPLICATES

SM 5310 B MOD

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Soil
Batch: 0040465
Preparation: PSEP-5310B TOC
Source Sample Name: PDI-049SC-A-08-09-191015

SDG: Gasco_PreRD_DG 2019
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP T
Laboratory ID: 0040465-DUP3
Lab Source ID: A0D0205-01
Initial/Final: 0.2 N/A / 0.2 N/A
% Solids: 71.21

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.75		0.72		4		SM 5310 B MOD

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY
SM 5310 B MOD

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0A08052	Instrument:	TOC6
Matrix:	Soil	Calibration:	A0A0805

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY
SM 5310 B MOD

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0D17045	Instrument:	TOC6
Matrix:	Soil	Calibration:	A0A0805

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0D17045-CCV1	0D17045.txt-003	04/17/20 18:22
Calibration Blank	0D17045-CCB1	0D17045.txt-004	04/17/20 18:33
Blank	0040465-BLK1	0D17045.txt-007	04/17/20 19:06
LCS	0040465-BS1	0D17045.txt-008	04/17/20 19:16
Calibration Check	0D17045-CCV2	0D17045.txt-015	04/17/20 20:32
Calibration Blank	0D17045-CCB2	0D17045.txt-016	04/17/20 20:43
PDI-049SC-A-08-09-191015	A0D0205-01	0D17045.txt-017	04/17/20 20:53
PDI-049SC-A-08-09-191015 (Dup)	0040465-DUP3	0D17045.txt-018	04/17/20 21:04
PDI-049SC-A-09-10-191015	A0D0205-02	0D17045.txt-019	04/17/20 21:15
PDI-049SC-A-10-11-191015	A0D0205-03	0D17045.txt-020	04/17/20 21:26
PDI-049SC-A-11-12-191015	A0D0205-04	0D17045.txt-021	04/17/20 21:37
Calibration Check	0D17045-CCV3	0D17045.txt-027	04/17/20 22:41
Calibration Blank	0D17045-CCB3	0D17045.txt-028	04/17/20 22:52
Calibration Check	0D17045-CCV4	0D17045.txt-039	04/18/20 00:51
Calibration Blank	0D17045-CCB4	0D17045.txt-040	04/18/20 01:02
Calibration Check	0D17045-CCV5	0D17045.txt-049	04/18/20 02:40
Calibration Blank	0D17045-CCB5	0D17045.txt-050	04/18/20 02:50

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

INITIAL CALIBRATION DATA (Summary)

SM 5310 B MOD

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing
Calibration: A0A0805
Date: 01/08/20 16:30
Instrument: TOC6

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

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

INITIAL CALIBRATION DATA

SM 5310 B MOD

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration:	A0A0805	Instrument:	TOC6
		Calibration Date:	01/08/20 16:30

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

INITIAL CALIBRATION DATA (Continued)

SM 5310 B MOD

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration:	A0A0805	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 Limt: +/- 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 Limt: +/- 10.00%
Sequence: 0D17045

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0D17045-CCV1	Total Organic Carbon	10000	9500	95	mg/kg	SM 5310 B MOD
0D17045-CCV2	Total Organic Carbon	10000	9500	95	mg/kg	SM 5310 B MOD
0D17045-CCV3	Total Organic Carbon	10000	9700	97	mg/kg	SM 5310 B MOD
0D17045-CCV4	Total Organic Carbon	10000	9700	97	mg/kg	SM 5310 B MOD
0D17045-CCV5	Total Organic Carbon	10000	9800	98	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: 0D17045
Calibration: A0A0805

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0D17045-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0D17045-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0D17045-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0D17045-CCB4	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0D17045-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-049SC-A-08-09-191015	10/15/19 13:29	10/16/19 10:00	04/14/20 13:14	181.99	28.00	04/17/20 20:53	185.31	28.00	*
PDI-049SC-A-09-10-191015	10/15/19 13:29	10/16/19 10:00	04/14/20 13:14	181.99	28.00	04/17/20 21:15	185.32	28.00	*
PDI-049SC-A-10-11-191015	10/15/19 13:29	10/16/19 10:00	04/14/20 13:14	181.99	28.00	04/17/20 21:26	185.33	28.00	*
PDI-049SC-A-11-12-191015	10/15/19 13:29	10/16/19 10:00	04/14/20 13:14	181.99	28.00	04/17/20 21:37	185.34	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
Client: Anchor QEA, LLC

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

Client Sample Id:	Lab Sample Id:	Matrix
PDI-049SC-A-08-09-191015	A0D0205-01	Sediment
PDI-049SC-A-09-10-191015	A0D0205-02	Sediment
PDI-049SC-A-10-11-191015	A0D0205-03	Sediment
PDI-049SC-A-11-12-191015	A0D0205-04	Sediment

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

Signature: 
Name: David G. Jack

Forms Created: 5/4/2020 12:42PM
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 evalutated to the MDL in this report .

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-049SC-A-08-09-191015

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: A0D0205-01
Sampled: 10/15/19 13:29
Prepared: 04/14/20 10:59
Analyzed: 04/17/20 15:58
Solids: 71.21
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0040458
Calibration:
Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	71.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-049SC-A-09-10-191015

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: A0D0205-02
Sampled: 10/15/19 13:29
Prepared: 04/14/20 10:59
Analyzed: 04/17/20 15:58
Solids: 80.10
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0040458
Calibration:
Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	80.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-049SC-A-10-11-191015

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: A0D0205-03
Sampled: 10/15/19 13:29
Prepared: 04/14/20 10:59
Analyzed: 04/17/20 15:58
Solids: 70.34
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0040458
Calibration:
Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	70.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-049SC-A-11-12-191015

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: A0D0205-04
Sampled: 10/15/19 13:29
Prepared: 04/14/20 10:59
Analyzed: 04/17/20 15:58
Solids: 67.72
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0040458
Calibration:
Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	67.7	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0040458 Batch Matrix: Sediment Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-049SC-A-08-09-191015 (Dup)	0040458-DUP3		04/14/20 10:59	
PDI-049SC-A-08-09-191015	A0D0205-01		04/14/20 10:59	
PDI-049SC-A-09-10-191015	A0D0205-02		04/14/20 10:59	
PDI-049SC-A-10-11-191015	A0D0205-03		04/14/20 10:59	
PDI-049SC-A-11-12-191015	A0D0205-04		04/14/20 10:59	

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.

PDI-049SC-A-08-09-191015

DUPLICATES

SM 2540 G

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Sediment
Batch: 0040458
Preparation: Total Solids (SM2540G/PSEP)
Source Sample Name: PDI-049SC-A-08-09-191015

SDG: Gasco_PreRD_DG 2019
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP T
Laboratory ID: 0040458-DUP3
Lab Source ID: A0D0205-01
Initial/Final: 1 N/A / 1 N/A
% Solids: 71.21

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	71.2		71.2		0.06		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-049SC-A-08-09-191015	10/15/19 13:29	10/16/19 10:00	04/14/20 10:59	181.90	180.00	04/17/20 15:58	3.21		*
PDI-049SC-A-09-10-191015	10/15/19 13:29	10/16/19 10:00	04/14/20 10:59	181.90	180.00	04/17/20 15:58	3.21		*
PDI-049SC-A-10-11-191015	10/15/19 13:29	10/16/19 10:00	04/14/20 10:59	181.90	180.00	04/17/20 15:58	3.21		*
PDI-049SC-A-11-12-191015	10/15/19 13:29	10/16/19 10:00	04/14/20 10:59	181.90	180.00	04/17/20 15:58	3.21		*

APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Raw Data

APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Batch 0040376
Sequence 0D13024 (A0D0205-01,02,03,04)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

APR 2 2 2020

BATCH #: 0040376 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	0040376-BLK1		QC	04/10/20 10:37	31	2				100					
	0040376-BS1		QC	04/10/20 10:37	30	2	A20C487		100	100					
	A0D0196-01	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.43	2				100	PDI-047SC-A-04-05-191001	MS/MSD/DUP, +1262,1268			
	0040376-DUP1		QC	04/10/20 10:37	30.52	2		A0D0196-01		100					
	0040376-MS1		QC	04/10/20 10:37	30.32	2	A20C487	A0D0196-01	100	100					
	0040376-MSD1		QC	04/10/20 10:37	30.43	2	A20C487	A0D0196-01	100	100					
	A0D0196-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.27	2				100	PDI-047SC-A-05-06-191001	+1262,1268			
	A0D0196-03	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.36	2				100	PDI-047SC-A-06-07-191001	+1262,1268			
	A0D0196-04	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.65	2				100	PDI-047SC-A-07-08-191001	+1262,1268			
	A0D0205-01	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.36	2				100	PDI-049SC-A-08-09-191015	+1262,1268			
	A0D0205-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.53	2				100	PDI-049SC-A-09-10-191015	+1262,1268			
	A0D0205-03	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.44	2				100	PDI-049SC-A-10-11-191015	+1262,1268			
	A0D0205-04	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.44	2				100	PDI-049SC-A-11-12-191015	+1262,1268			
	A0D0207-01	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.47	2				100	PDI-057SC-A-09-10-191023	+1262,1268			
	A0D0207-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.22	2				100	PDI-057SC-A-10-11-191023	+1262,1268			
	A0D0207-03	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.51	2				100	PDI-057SC-A-11-12-191023	+1262,1268			
	A0D0207-04	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.21	2				100	PDI-057SC-A-12-13-191023	+1262,1268			
	A0D0207-05	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.47	2				100	PDI-062SC-A-11-12-191023	+1262,1268			
	A0D0207-06	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.22	2				100	PDI-062SC-A-12-13-191023	+1262,1268			
	A0D0210-01	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.73	2				100	PDI-076SC-A-06-07-191013	+1262,1268			

Prepared By: _____ Date _____

Reviewed By: _____ Date 4/20/20

Printed: 4/20/2020 10:47:37AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040376 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A0D0210-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.6	2				100	PDI-076SC-A-07-08-191013	+1262,1268			
	A0D0212-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.9	2				100	PDI-077SC-A-04-05-191014	+1262,1268			
	A0D0212-03	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.64	2				100	PDI-077SC-A-05-06-191014	+1262,1268			
	A0D0212-04	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.18	2				100	PDI-077SC-A-06-07-191014	+1262,1268			
	A0D0212-05	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	30.68	2				100	PDI-077SC-A-07-08-191014	+1262,1268			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19C104	09/03/23	Florisil Lot 817211-CM
A19G279	01/18/22	Sulfuric Acid
A19I211	05/07/22	Copper, Granular Lot# J260003
A20A032	06/30/23	n-Hexane Lot# 197051
A20A282	07/19/21	Sodium Sulfate Lot # 194865
A20D012	09/28/21	DCM CHEM PROD. DY141-US

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C487	08/24/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20C363	09/20/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Printed: 4/20/2020 10:47:37AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040376 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
1/2	0040376-BLK1		QC	04/10/20 10:37	~~30~~ 31	2				100					
3/4	0040376-BS1		QC	04/10/20 10:37	30	2	A20C487		100	100					
5/6	A0D0196-01	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.43	2				100	PDI-047SC-A-04-05-191001	MS/MSD/DUP, +1262,1268 dirt			
7/8	0040376-DUP1		QC	04/10/20 10:37	~~30~~ 30.52	2		A0D0196-01		100					
9/10	0040376-MS1		QC	04/10/20 10:37	~~30~~ 30.32	2	A20C487	A0D0196-01	100	100					
11/12	0040376-MSD1		QC	04/10/20 10:37	~~30~~ 30.43	2	A20C487	A0D0196-01	100	100					
13/14	A0D0196-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.27	2				100	PDI-047SC-A-05-06-191001	+1262,1268 dirt			
15/16	A0D0196-03	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.38	2				100	PDI-047SC-A-06-07-191001	+1262,1268 dirt			
17/18	A0D0196-04	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.65	2				100	PDI-047SC-A-07-08-191001	+1262,1268 dirt			
19/20	A0D0205-01	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.36	2				100	PDI-049SC-A-08-09-191015	+1262,1268 Mud			
21/22	A0D0205-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.53	2				100	PDI-049SC-A-09-10-191015	+1262,1268 dirt			
23/24	A0D0205-03	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.44	2				100	PDI-049SC-A-10-11-191015	+1262,1268 dirt			
25/26	A0D0205-04	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.44	2				100	PDI-049SC-A-11-12-191015	+1262,1268 ☆ Mud water			
27/28	A0D0207-01	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.47	2				100	PDI-057SC-A-09-10-191023	+1262,1268 dirt			
29/30	A0D0207-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.22	2				100	PDI-057SC-A-10-11-191023	+1262,1268 ☆ Mud			
31/32	A0D0207-03	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.51	2				100	PDI-057SC-A-11-12-191023	+1262,1268 ☆ dirt			
33/34	A0D0207-04	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.21	2				100	PDI-057SC-A-12-13-191023	+1262,1268 ☆ Mud			
35/36	A0D0207-05	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.47	2				100	PDI-062SC-A-11-12-191023	+1262,1268 ~~☆~~ dirt			
37/38	A0D0207-06	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.22	2				100	PDI-062SC-A-12-13-191023	+1262,1268 dirt			
39/40	A0D0210-01	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.73	2				100	PDI-076SC-A-06-07-191013	+1262,1268 ☆ Mud odor			

Prepared By: CAH — Date: 4/10/20 — 4/10/20

Reviewed By: CAS — Date: 04/10/2020

Printed: 4/10/2020 10:38:32AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040376 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
41/42	A0D0210-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.60	2				100	PDI-076SC-A-07-08-191013	+1262,1268 ☆ Mud			
43/44	A0D0212-02	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.90	2				100	PDI-077SC-A-04-05-191014	+1262,1268 ☆ Mud			
45/46	A0D0212-03	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.64	2				100	PDI-077SC-A-05-06-191014	+1262,1268 ☆ Mud			
47/48	A0D0212-04	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.18	2				100	PDI-077SC-A-06-07-191014	+1262,1268 ☆ Mud			
49/50	A0D0212-05	A	8082 PCBs - Low Level (30g/2mL)	04/10/20 10:37	~~30~~ 30.68	2				100	PDI-077SC-A-07-08-191014	+1262,1268 ☆ Mud			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19C104	09/03/23	Florisil Lot 817211-CM
A19G279	01/18/22	Sulfuric Acid
A19I211	05/07/22	Copper, Granular Lot# J260003
A20A032	06/30/23	n-Hexane Lot# 197051
A20A282	07/19/21	Sodium Sulfate Lot # 194865
A20D012	09/28/21	DCM CHEM PROD. DY141-US

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C487	08/24/20	8082 PCB Matrix Spike

CAH

Surrogate(s)

Std ID	Exp. Date	Description
~~A20C130~~ A20C363	~~09/06/20~~ 04/10/20	~~8082 PCB Surrogate Spike~~ 8082 PCB Surr.

CAH

04/10/20

* = Staining. On Turbo Vap

Method 3546 digestion time and temperture achieved.
Initial: [illegible]

Witness: [illegible] 4/10/20

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Printed: 4/10/2020 10:38:32AM

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D13024** Instrument: **DUALECD2F**

Date: **04/13/20 06:16** Calibration: ~~A0B1902~~ 4/14/20 A0D1302

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D13024-CCV1	Sediment	QC	QC				A20C132
2	0D13024-CCB1	Sediment	QC	QC				A20C404
3	0D13024-CCV2	Sediment	QC	QC				A20C132
4	0D13024-CCB2	Sediment	QC	QC				A20C404
5	A0D0196-04	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
6	0D13024-IBL1	Sediment	QC	QC				
7	A0D0205-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
8	0D13024-IBL2	Sediment	QC	QC				
9	A0D0205-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
10	0D13024-IBL3	Sediment	QC	QC				
11	A0D0205-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
12	0D13024-IBL4	Sediment	QC	QC				
13	A0D0205-04	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
14	0D13024-IBL5	Sediment	QC	QC				
15	A0D0207-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
16	0D13024-IBL6	Sediment	QC	QC				
17	A0D0207-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
18	0D13024-IBL7	Sediment	QC	QC				
19	A0D0207-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
20	0D13024-IBL8	Sediment	QC	QC				
21	A0D0207-04	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
22	0D13024-IBL9	Sediment	QC	QC				
23	0D13024-CCV3	Sediment	QC	QC				A20C132
24	0D13024-CCB3	Sediment	QC	QC				A20C404

Comments:

Data Entered By: 4/14/20

Data Reviewed By: MJB 4/14/20

TOTAL AROCLOR AVERAGE RESULTS

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

0D13024-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	460.68
1016 (2)	454.54
1016 (3)	455.04
1016 (4)	462.77
1016 (5)	452.42
1016 (6)	448.78
Average:	**455.71**

Aroclor 1260

Peak	Initial Res
1260 (1)	475.20
1260 (2)	480.53
1260 (3)	458.24
1260 (4)	462.85
1260 (5)	467.28
1260 (6)	453.61
Average:	**466.29**

0D13024-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	467.24
1016 (2)	466.52
1016 (3)	472.02
1016 (4)	468.98
1016 (5)	470.28
1016 (6)	475.90
Average:	**470.16**

Aroclor 1260

Peak	Initial Res
1260 (1)	479.59
1260 (2)	483.54
1260 (3)	481.98
1260 (4)	499.69
1260 (5)	487.92
1260 (6)	491.83
Average:	**487.43**

TOTAL AROCLOR AVERAGE RESULTS

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

0D13024-CCV3

Aroclor 1016

Peak	Initial Res
1016 (1)	448.30
1016 (2)	451.31
1016 (3)	442.64
1016 (4)	443.80
1016 (5)	447.50
1016 (6)	439.08
Average:	**445.44** ✓

Aroclor 1260

Peak	Initial Res
1260 (1)	451.11
1260 (2)	464.59
1260 (3)	465.71
1260 (4)	469.20
1260 (5)	470.99
1260 (6)	461.14
Average:	**463.79** ✓

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 7:40 am
Operator : MJB / KAK
Sample : 0D13024-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.744	20185174	265.075	ng/ml
62)	S DCBP (S)	9.483	36637316	240.893	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	2193053	460.684	ng/ml
3)	Aroclor 1016 (2)	6.072	4677598	454.543	ng/ml
4)	Aroclor 1016 (3)	6.153	2429344	455.041	ng/ml
5)	Aroclor 1016 (4)	6.311	2232554	462.774	ng/ml
6)	Aroclor 1016 (5)	6.532	2561284	452.421	ng/ml
7)	Aroclor 1016 (6)	6.657	1828230	448.783	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.100	562905	388.157	ng/ml
10)	Aroclor 1221 (2)	5.216	247756	253.447	ng/ml
11)	Aroclor 1221 (3)	5.297	1069662	337.569	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.297	1069662	412.244	ng/ml
14)	Aroclor 1232 (2)	6.072	4677598	1103.164	ng/ml
15)	Aroclor 1232 (3)	6.153	2429344	1092.691	ng/ml
16)	Aroclor 1232 (4)	6.311	2232554	1356.318	ng/ml
17)	Aroclor 1232 (5)	6.532	2561284	1188.202	ng/ml
18)	Aroclor 1232 (6)	6.657	1828230	1043.292	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.659	2193053	602.789	ng/ml
21)	Aroclor 1242 (2)	6.072	4677598	588.475	ng/ml
22)	Aroclor 1242 (3)	6.153	2429344	607.308	ng/ml
23)	Aroclor 1242 (4)	6.311	2232554	672.221	ng/ml
24)	Aroclor 1242 (5)	6.532	2561284	592.417	ng/ml
25)	Aroclor 1242 (6)	6.657	1828230	507.273	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.072	4677598	955.334	ng/ml
28)	Aroclor 1248 (2)	6.311	2232554	372.566	ng/ml
29)	Aroclor 1248 (3)	6.532	2561284	380.888	ng/ml
30)	Aroclor 1248 (4)	6.826	499401	60.744	ng/ml
31)	Aroclor 1248 (5)	6.859	1746778	221.656	ng/ml
32)	Aroclor 1248 (6)	7.345	3992901	877.397	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.859	1746778	201.034	ng/ml
35)	Aroclor 1254 (2)	6.970	1928826	171.666	ng/ml
36)	Aroclor 1254 (3)	7.345	3992901	237.515	ng/ml
37)	Aroclor 1254 (4)	7.505	545067	51.045	ng/ml
38)	Aroclor 1254 (5)	7.886	5158339	439.027	ng/ml
39)	Aroclor 1254 (6)	8.176	587619	155.861	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.458	5333569	475.205	ng/ml
42)	Aroclor 1260 (2)	7.592	6793836	480.533	ng/ml
43)	Aroclor 1260 (3)	8.147	4858300	458.243	ng/ml
44)	Aroclor 1260 (4)	8.317	12077955	462.847	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 7:40 am
Operator : MJB / KAK
Sample : 0D13024-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.615	7912213	467.283	ng/ml
46)	Aroclor 1260 (6)	9.002	3178564	453.614	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.592	6793836	614.877	ng/ml
49)	Aroclor 1262 (2)	7.915	4948075	325.907	ng/ml
50)	Aroclor 1262 (3)	8.147	4858300	368.896	ng/ml
51)	Aroclor 1262 (4)	8.317	12077955	410.522	ng/ml
52)	Aroclor 1262 (5)	8.615	7912213	436.521	ng/ml
53)	Aroclor 1262 (6)	9.002	3178564	329.108	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.147	4858300	684.310	ng/ml
56)	Aroclor 1268 (2)	8.563	2759559	79.250	ng/ml
57)	Aroclor 1268 (3)	8.615	7912213	273.356	ng/ml
58)	Aroclor 1268 (4)	8.790	327958	12.782	ng/ml
59)	Aroclor 1268 (5)	9.002	3178564	292.428	ng/ml
60)	Aroclor 1268 (6)	9.254	810725	10.349	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

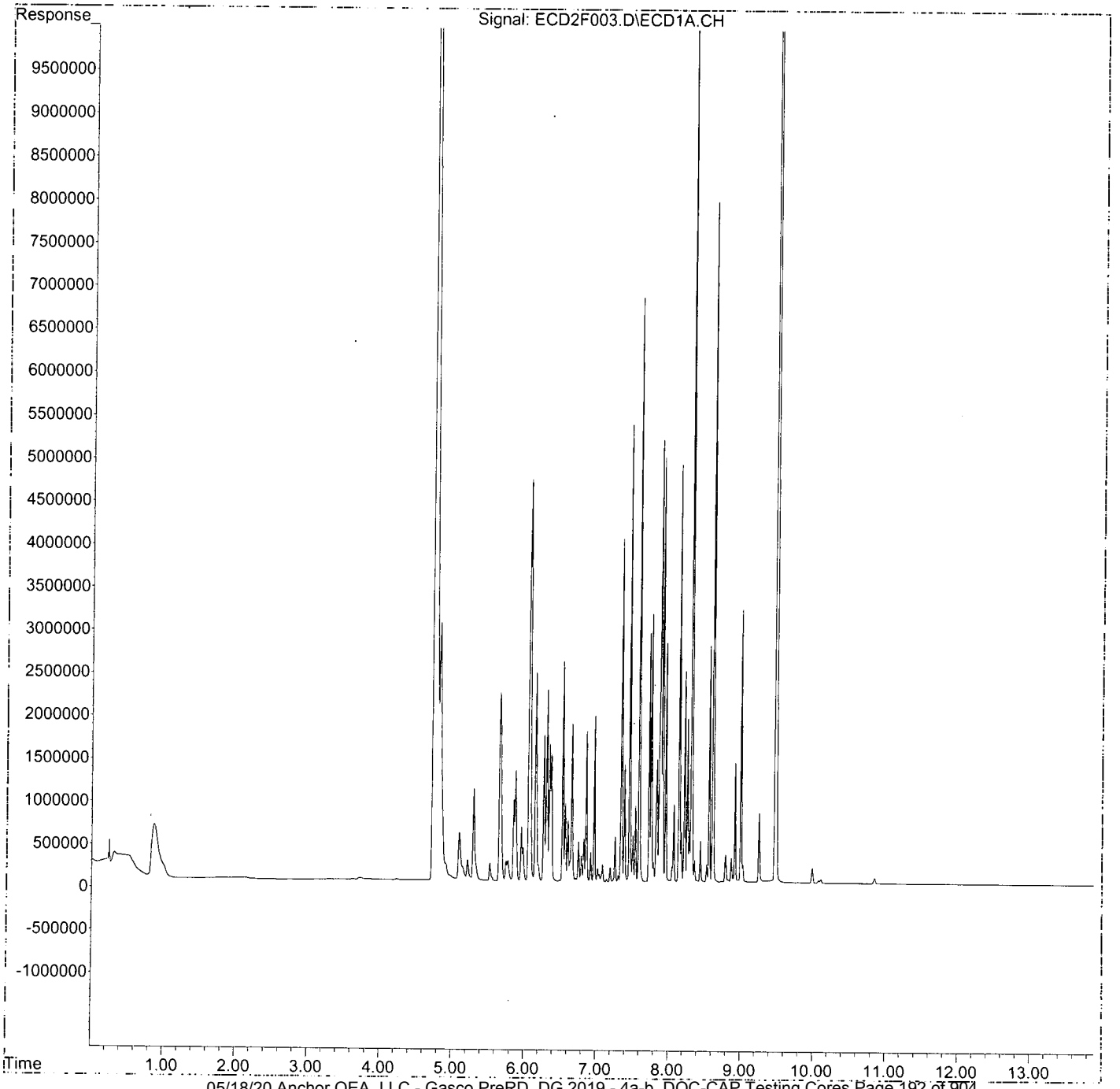
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 7:40 am
Operator : MJB / KAK
Sample : 0D13024-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 7:57 am
Operator : MJB / KAK
Sample : 0D13024-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20
Jean

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.745	7018663	92.170	ng/ml
62)	S DCBP (S)	9.483	12914061	84.911	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.661	947	0.199	ng/ml
3)	Aroclor 1016 (2)	6.056	438	0.043	ng/ml
4)	Aroclor 1016 (3)	6.140	295	0.055	ng/ml
5)	Aroclor 1016 (4)	6.305	837	0.173	ng/ml
6)	Aroclor 1016 (5)	6.542	1442	0.255	ng/ml
7)	Aroclor 1016 (6)	6.663	2768	0.680	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.100	157923	108.898	ng/ml
10)	Aroclor 1221 (2)	5.146f	65079	66.574	ng/ml
11)	Aroclor 1221 (3)	5.316	9219	2.909	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.316	9219	3.553	ng/ml
14)	Aroclor 1232 (2)	6.056	438	0.103	ng/ml
15)	Aroclor 1232 (3)	6.140	295	0.133	ng/ml
16)	Aroclor 1232 (4)	6.305	837	0.508	ng/ml
17)	Aroclor 1232 (5)	6.542	1442	0.669	ng/ml
18)	Aroclor 1232 (6)	6.663	2768	1.580	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.661	947	0.260	ng/ml
21)	Aroclor 1242 (2)	6.056	438	0.055	ng/ml
22)	Aroclor 1242 (3)	6.140	295	0.074	ng/ml
23)	Aroclor 1242 (4)	6.305	837	0.252	ng/ml
24)	Aroclor 1242 (5)	6.542	1442	0.333	ng/ml
25)	Aroclor 1242 (6)	6.663	2768	0.768	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.056	438	0.089	ng/ml
28)	Aroclor 1248 (2)	6.305	837	0.140	ng/ml
29)	Aroclor 1248 (3)	6.542	1442	0.214	ng/ml
30)	Aroclor 1248 (4)	6.832	735	0.089	ng/ml
31)	Aroclor 1248 (5)	6.870	1158	0.147	ng/ml
32)	Aroclor 1248 (6)	7.349	3910	0.859	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.870	1158	0.133	ng/ml
35)	Aroclor 1254 (2)	6.974	770	0.069	ng/ml
36)	Aroclor 1254 (3)	7.349	3910	0.233	ng/ml
37)	Aroclor 1254 (4)	7.512	2839	0.266	ng/ml
38)	Aroclor 1254 (5)	7.895	18382	1.564	ng/ml
39)	Aroclor 1254 (6)	8.176	4538	1.204	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.464	4550	0.405	ng/ml
42)	Aroclor 1260 (2)	7.614	27395	1.938	ng/ml
43)	Aroclor 1260 (3)	8.147	7099	0.670	ng/ml
44)	Aroclor 1260 (4)	8.312	34636	1.327	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 7:57 am
Operator : MJB / KAK
Sample : 0D13024-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.618	8363	0.494 ng/ml
46)	Aroclor 1260 (6)	9.005	7186	1.026 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.614	27395	2.479 ng/ml
49)	Aroclor 1262 (2)	7.935	2682	0.177 ng/ml
50)	Aroclor 1262 (3)	8.147	7099	0.539 ng/ml
51)	Aroclor 1262 (4)	8.312	34636	1.177 ng/ml
52)	Aroclor 1262 (5)	8.618	8363	0.461 ng/ml
53)	Aroclor 1262 (6)	9.005	7186	0.744 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.147	7099	1.000 ng/ml
56)	Aroclor 1268 (2)	8.567	6301	0.181 ng/ml
57)	Aroclor 1268 (3)	8.618	8363	0.289 ng/ml
58)	Aroclor 1268 (4)	8.794	257705	10.044 ng/ml
59)	Aroclor 1268 (5)	9.005	7186	0.661 ng/ml
60)	Aroclor 1268 (6)	9.254	521928	6.662 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

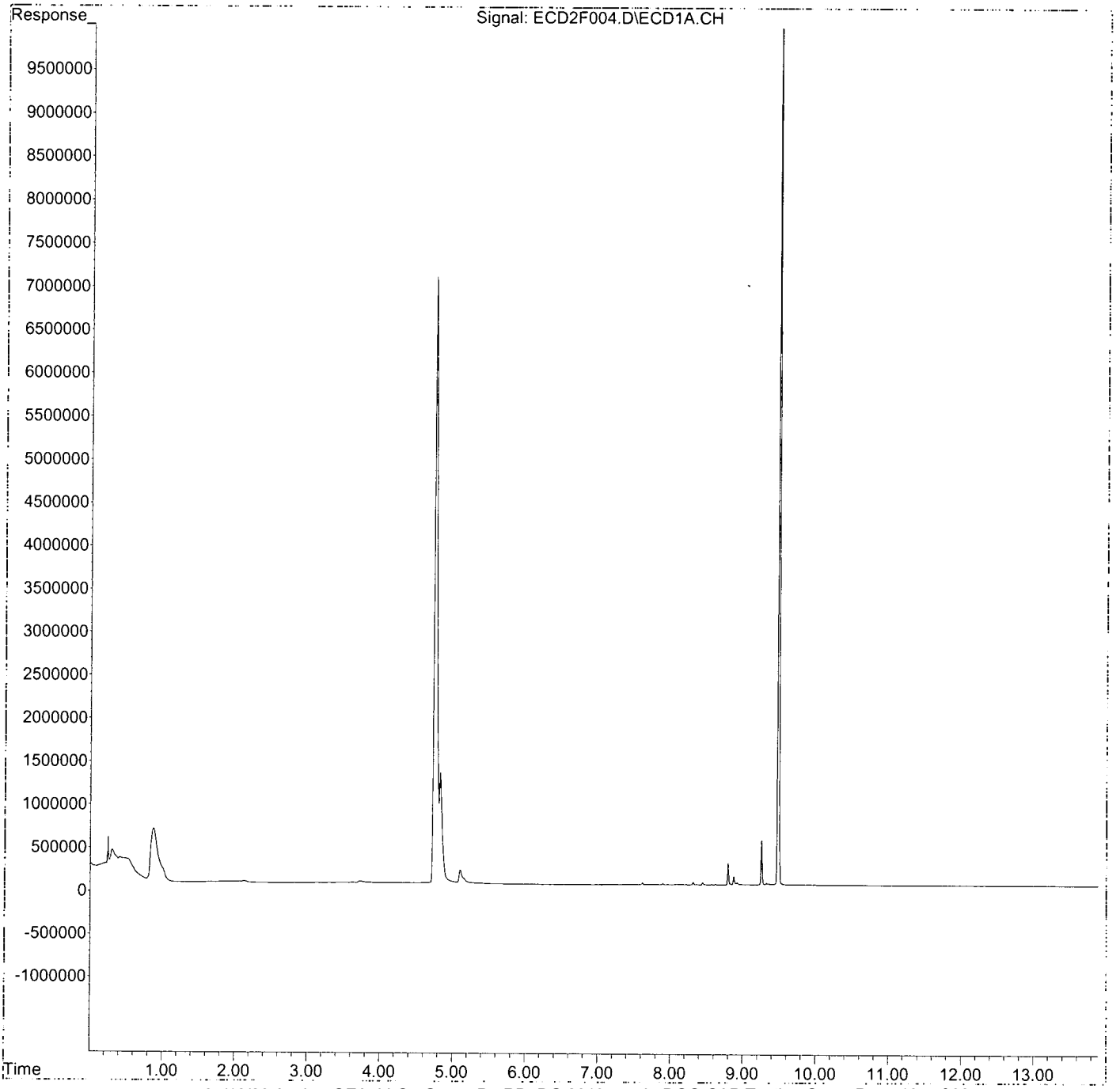
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 7:57 am
Operator : MJB / KAK
Sample : 0D13024-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 12:03 pm
Operator : MJB / KAK
Sample : 0D13024-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.745	20207998	265.375	ng/ml
62)	S DCBP (S)	9.482	39609772	260.437	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.660	2224282	467.244	ng/ml
3)	Aroclor 1016 (2)	6.072	4800805	466.515	ng/ml
4)	Aroclor 1016 (3)	6.153	2519965	472.016	ng/ml
5)	Aroclor 1016 (4)	6.311	2262504	468.982	ng/ml
6)	Aroclor 1016 (5)	6.532	2662367	470.276	ng/ml
7)	Aroclor 1016 (6)	6.658	1938697	475.899	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.100	590848	407.426	ng/ml
10)	Aroclor 1221 (2)	5.216	258505	264.442	ng/ml
11)	Aroclor 1221 (3)	5.298	1066588	336.599	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.298	1066588	411.060	ng/ml
14)	Aroclor 1232 (2)	6.072	4800805	1132.221	ng/ml
15)	Aroclor 1232 (3)	6.153	2519965	1133.451	ng/ml
16)	Aroclor 1232 (4)	6.311	2262504	1374.514	ng/ml
17)	Aroclor 1232 (5)	6.532	2662367	1235.095	ng/ml
18)	Aroclor 1232 (6)	6.658	1938697	1106.331	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.660	2224282	611.373	ng/ml
21)	Aroclor 1242 (2)	6.072	4800805	603.975	ng/ml
22)	Aroclor 1242 (3)	6.153	2519965	629.963	ng/ml
23)	Aroclor 1242 (4)	6.311	2262504	681.239	ng/ml
24)	Aroclor 1242 (5)	6.532	2662367	615.797	ng/ml
25)	Aroclor 1242 (6)	6.658	1938697	537.924	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.072	4800805	980.497	ng/ml
28)	Aroclor 1248 (2)	6.311	2262504	377.564	ng/ml
29)	Aroclor 1248 (3)	6.532	2662367	395.920	ng/ml
30)	Aroclor 1248 (4)	6.826	501791	61.034	ng/ml
31)	Aroclor 1248 (5)	6.859	1738244	220.573	ng/ml
32)	Aroclor 1248 (6)	7.345	4074152	895.251	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.859	1738244	200.051	ng/ml
35)	Aroclor 1254 (2)	6.970	1964488	174.840	ng/ml
36)	Aroclor 1254 (3)	7.345	4074152	242.348	ng/ml
37)	Aroclor 1254 (4)	7.506	564761	52.889	ng/ml
38)	Aroclor 1254 (5)	7.886	5422849	461.539	ng/ml
39)	Aroclor 1254 (6)	8.176	624745	165.709	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.459	5382776	479.589	ng/ml
42)	Aroclor 1260 (2)	7.593	6836291	483.536	ng/ml
43)	Aroclor 1260 (3)	8.147	5110003	481.984	ng/ml
44)	Aroclor 1260 (4)	8.318	13039496	499.695	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 12:03 pm
Operator : MJB / KAK
Sample : 0D13024-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.615	8261715	487.925	ng/ml
46)	Aroclor 1260 (6)	9.002	3446382	491.835	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.593	6836291	618.720	ng/ml
49)	Aroclor 1262 (2)	7.916	5059340	333.235	ng/ml
50)	Aroclor 1262 (3)	8.147	5110003	388.008	ng/ml
51)	Aroclor 1262 (4)	8.318	13039496	443.204	ng/ml
52)	Aroclor 1262 (5)	8.615	8261715	455.804	ng/ml
53)	Aroclor 1262 (6)	9.002	3446382	356.838	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.147	5110003	719.763	ng/ml
56)	Aroclor 1268 (2)	8.564	2829133	81.248	ng/ml
57)	Aroclor 1268 (3)	8.615	8261715	285.431	ng/ml
58)	Aroclor 1268 (4)	8.789	365378	14.240	ng/ml
59)	Aroclor 1268 (5)	9.002	3446382	317.067	ng/ml
60)	Aroclor 1268 (6)	9.253	893771	11.409	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

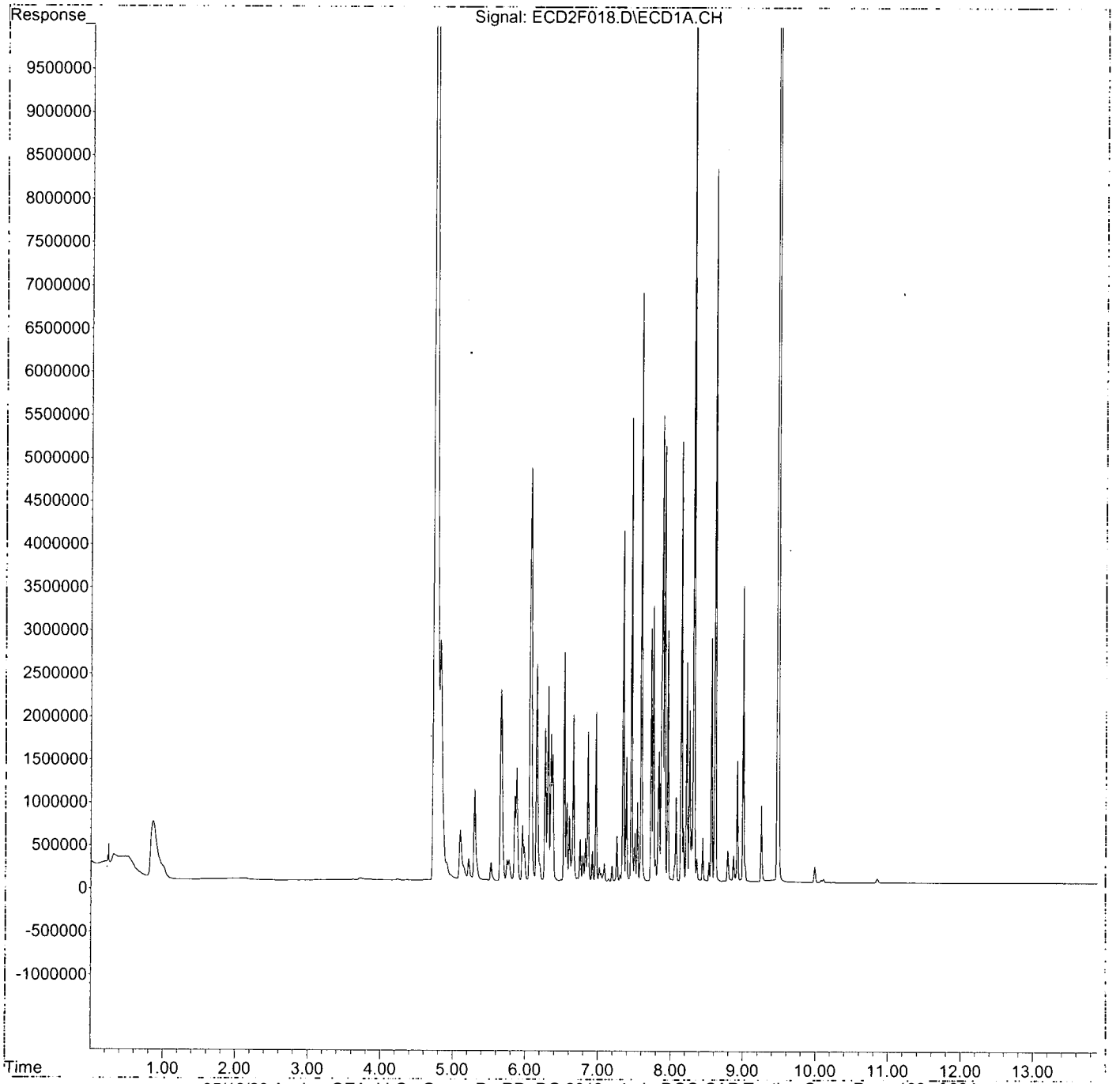
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 12:03 pm
Operator : MJB / KAK
Sample : 0D13024-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:22:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 12:21 pm
Operator : MJB / KAK
Sample : 0D13024-CCV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

B 4/14/20

Integration File: PCB1.e
Quant Time: Apr 14 08:23:08 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20 clean

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.746	7111536	93.390	ng/ml
62)	S DCBP (S)	9.482	13065633	85.908	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.654	2123	0.446	ng/ml
3)	Aroclor 1016 (2)	6.076	3049	0.296	ng/ml
4)	Aroclor 1016 (3)	6.144	163	0.030	ng/ml
5)	Aroclor 1016 (4)	6.313	893	0.185	ng/ml
6)	Aroclor 1016 (5)	6.527	862	0.152	ng/ml
7)	Aroclor 1016 (6)	6.659	2207	0.542	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.101	163037	112.424	ng/ml
10)	Aroclor 1221 (2)	5.246	14583	14.918	ng/ml
11)	Aroclor 1221 (3)	5.308	11620	3.667	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.308	11620	4.478	ng/ml
14)	Aroclor 1232 (2)	6.076	3049	0.719	ng/ml
15)	Aroclor 1232 (3)	6.144	163	0.073	ng/ml
16)	Aroclor 1232 (4)	6.309	887	0.539	ng/ml
17)	Aroclor 1232 (5)	6.527	862	0.400	ng/ml
18)	Aroclor 1232 (6)	6.659	2207	1.259	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.654	2123	0.584	ng/ml
21)	Aroclor 1242 (2)	6.076	3049	0.384	ng/ml
22)	Aroclor 1242 (3)	6.144	163	0.041	ng/ml
23)	Aroclor 1242 (4)	6.309	887	0.267	ng/ml
24)	Aroclor 1242 (5)	6.527	862	0.199	ng/ml
25)	Aroclor 1242 (6)	6.659	2207	0.612	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.076	3049	0.623	ng/ml
28)	Aroclor 1248 (2)	6.313	893	0.149	ng/ml
29)	Aroclor 1248 (3)	6.538	1374	0.204	ng/ml
30)	Aroclor 1248 (4)	6.825	787	0.096	ng/ml
31)	Aroclor 1248 (5)	6.863	1117	0.142	ng/ml
32)	Aroclor 1248 (6)	7.348	3244	0.713	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.856	936	0.108	ng/ml
35)	Aroclor 1254 (2)	6.971	981	0.087	ng/ml
36)	Aroclor 1254 (3)	7.348	3244	0.193	ng/ml
37)	Aroclor 1254 (4)	7.505	2486	0.233	ng/ml
38)	Aroclor 1254 (5)	7.894	16016	1.363	ng/ml
39)	Aroclor 1254 (6)	8.176	2830	0.751	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.461	4063	0.362	ng/ml
42)	Aroclor 1260 (2)	7.614	21960	1.553	ng/ml
43)	Aroclor 1260 (3)	8.143	5507	0.519	ng/ml
44)	Aroclor 1260 (4)	8.312	27486	1.053	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 12:21 pm
Operator : MJB / KAK
Sample : 0D13024-CCV2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:23:08 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.619	6733	0.398 ng/ml
46)	Aroclor 1260 (6)	9.002	6257	0.893 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.614	21960	1.987 ng/ml
49)	Aroclor 1262 (2)	7.894	16016	1.055 ng/ml
50)	Aroclor 1262 (3)	8.143	5507	0.418 ng/ml
51)	Aroclor 1262 (4)	8.312	27486	0.934 ng/ml
52)	Aroclor 1262 (5)	8.619	6733	0.371 ng/ml
53)	Aroclor 1262 (6)	9.002	6257	0.648 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.143	5507	0.776 ng/ml
56)	Aroclor 1268 (2)	8.565	5196	0.149 ng/ml
57)	Aroclor 1268 (3)	8.619	6733	0.233 ng/ml
58)	Aroclor 1268 (4)	8.793	267469	10.424 ng/ml
59)	Aroclor 1268 (5)	9.002	6257	0.576 ng/ml
60)	Aroclor 1268 (6)	9.254	519629	6.633 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

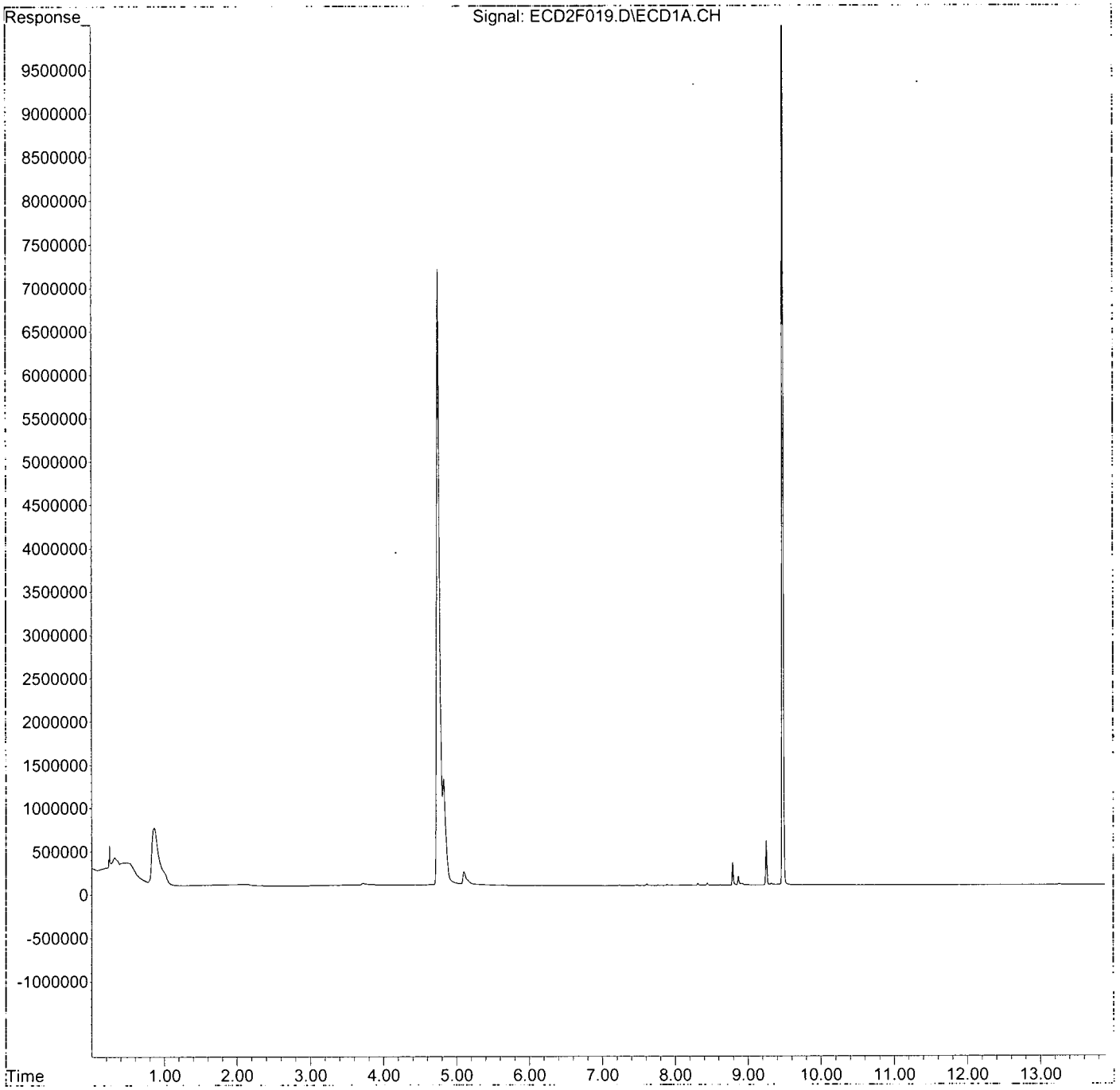
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 12:21 pm
Operator : MJB / KAK
Sample : 0D13024-CCV2
Misc : B 4/14/20
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:23:08 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:36:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20

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

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	4.745	12003960	157.638	ng/ml	
62)	S DCBP (S)	9.482	29700802	195.285	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.658	10267	2.157	ng/ml	
3)	Aroclor 1016 (2)	6.067	8833	0.858	ng/ml	
4)	Aroclor 1016 (3)	6.137	7631	1.429	ng/ml	
5)	Aroclor 1016 (4)	6.285	7775	1.612	ng/ml	
6)	Aroclor 1016 (5)	6.528	6583	1.163	ng/ml	
7)	Aroclor 1016 (6)	6.656	8258	2.027	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.100	292449	201.661	ng/mlm	↑ MDL
10)	Aroclor 1221 (2)	5.203	56489	57.786	ng/mlm	
11)	Aroclor 1221 (3)	5.288	48561	15.325	ng/mlm	
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
13)	Aroclor 1232 (1)	5.288	49013	18.889	ng/mlm	
14)	Aroclor 1232 (2)	6.067	8833	2.083	ng/ml	
15)	Aroclor 1232 (3)	6.137	7631	3.432	ng/ml	
16)	Aroclor 1232 (4)	6.285	7775	4.724	ng/ml	
17)	Aroclor 1232 (5)	6.528	6583	3.054	ng/ml	
18)	Aroclor 1232 (6)	6.656	8258	4.712	ng/ml	
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
20)	Aroclor 1242 (1)	5.658	10267	2.822	ng/ml	
21)	Aroclor 1242 (2)	6.067	8833	1.111	ng/ml	
22)	Aroclor 1242 (3)	6.137	7631	1.908	ng/ml	
23)	Aroclor 1242 (4)	6.285	7775	2.341	ng/ml	
24)	Aroclor 1242 (5)	6.528	6583	1.523	ng/ml	
25)	Aroclor 1242 (6)	6.656	8258	2.291	ng/ml	
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
27)	Aroclor 1248 (1)	6.067	8833	1.804	ng/ml	
28)	Aroclor 1248 (2)	6.285	7775	1.298	ng/ml	
29)	Aroclor 1248 (3)	6.528	6583	0.979	ng/ml	
30)	Aroclor 1248 (4)	6.828	5933	0.722	ng/ml	
31)	Aroclor 1248 (5)	6.856	7385	0.937	ng/ml	
32)	Aroclor 1248 (6)	7.344	15978	3.511	ng/ml	
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
34)	Aroclor 1254 (1)	6.856	7385	0.850	ng/ml	
35)	Aroclor 1254 (2)	6.971	8937	0.795	ng/ml	
36)	Aroclor 1254 (3)	7.344	15978	0.950	ng/ml	
37)	Aroclor 1254 (4)	7.508	14986	1.403	ng/ml	
38)	Aroclor 1254 (5)	7.894	36143	3.076	ng/ml	
39)	Aroclor 1254 (6)	8.175	13605	3.609	ng/ml	
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
41)	Aroclor 1260 (1)	7.484	15407	1.373	ng/ml	
42)	Aroclor 1260 (2)	7.610	35400	2.504	ng/ml	
43)	Aroclor 1260 (3)	8.144	15649	1.476	ng/ml	
44)	Aroclor 1260 (4)	8.310	44640	1.711	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:36:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.616	16487	0.974 ng/ml
46)	Aroclor 1260 (6)	9.002	15984	2.281 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.610	35400	3.204 ng/ml
49)	Aroclor 1262 (2)	7.894	36143	2.381 ng/ml
50)	Aroclor 1262 (3)	8.144	15649	1.188 ng/ml
51)	Aroclor 1262 (4)	8.310	44640	1.517 ng/ml
52)	Aroclor 1262 (5)	8.616	16487	0.910 ng/ml
53)	Aroclor 1262 (6)	9.002	15984	1.655 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.144	15649	2.204 ng/ml
56)	Aroclor 1268 (2)	8.565	14598	0.419 ng/ml
57)	Aroclor 1268 (3)	8.616	16487	0.570 ng/ml
58)	Aroclor 1268 (4)	8.792	459083	17.893 ng/ml
59)	Aroclor 1268 (5)	9.002	15984	1.471 ng/ml
60)	Aroclor 1268 (6)	9.253	985409	12.579 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

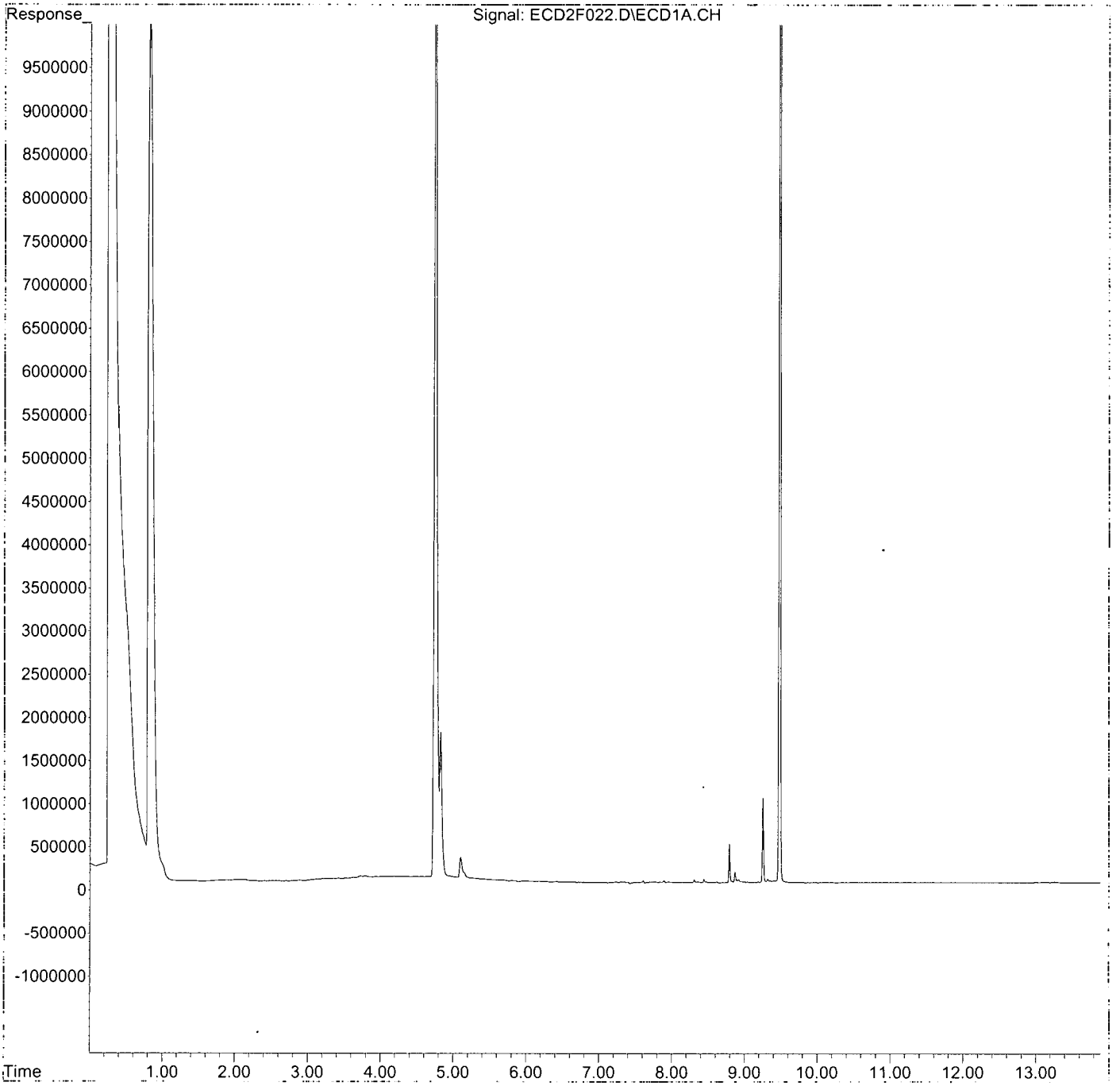
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:36:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

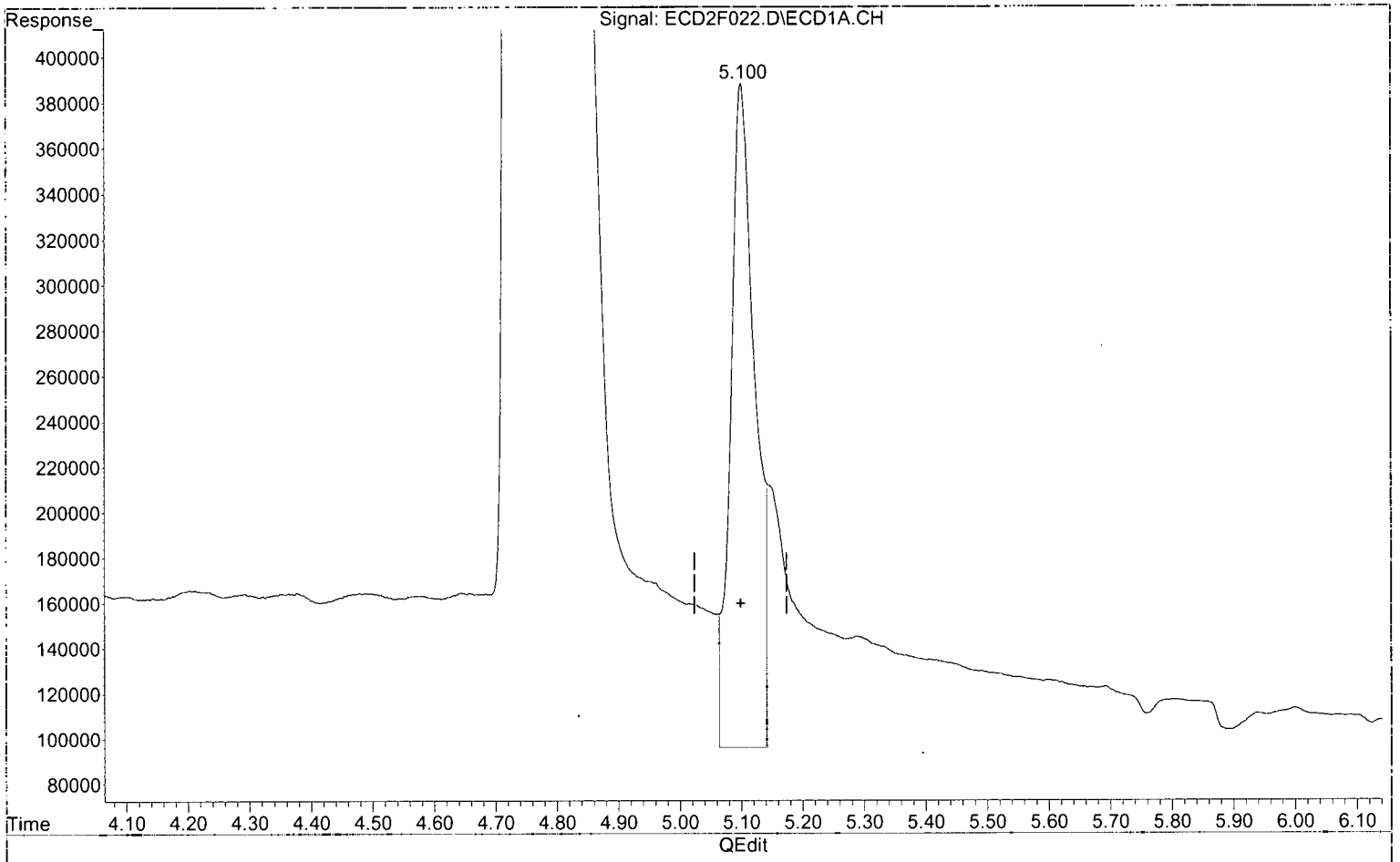


Quantitation Report (Qedit)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:35:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(9) Aroclor 1221 (1)

5.100min 201.661 ng/ml (n) 4/14/20

response 292449

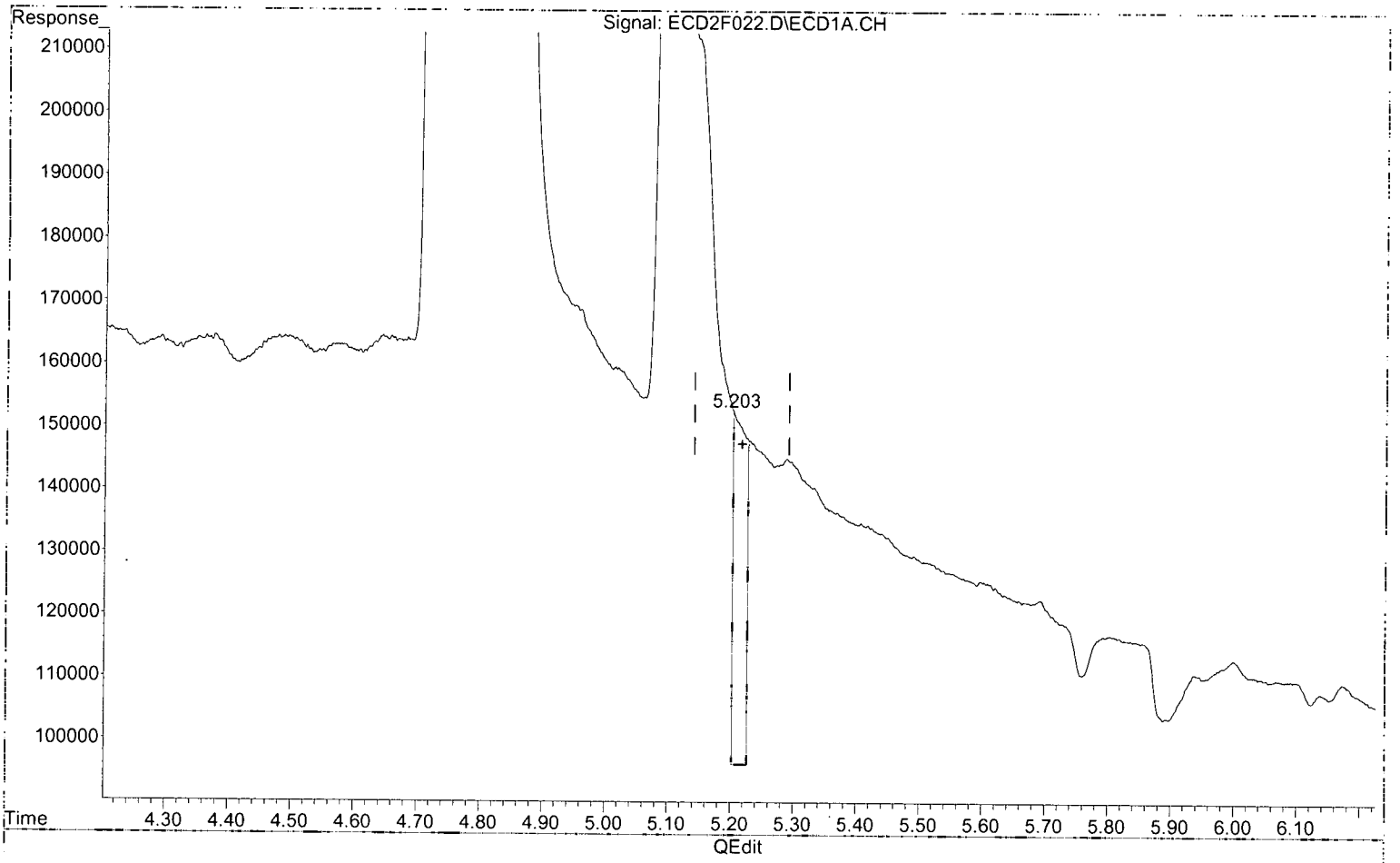
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:35:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(10) Aroclor 1221 (2)

5.203min 57.786 ng/ml m

response 56489

4/14/20

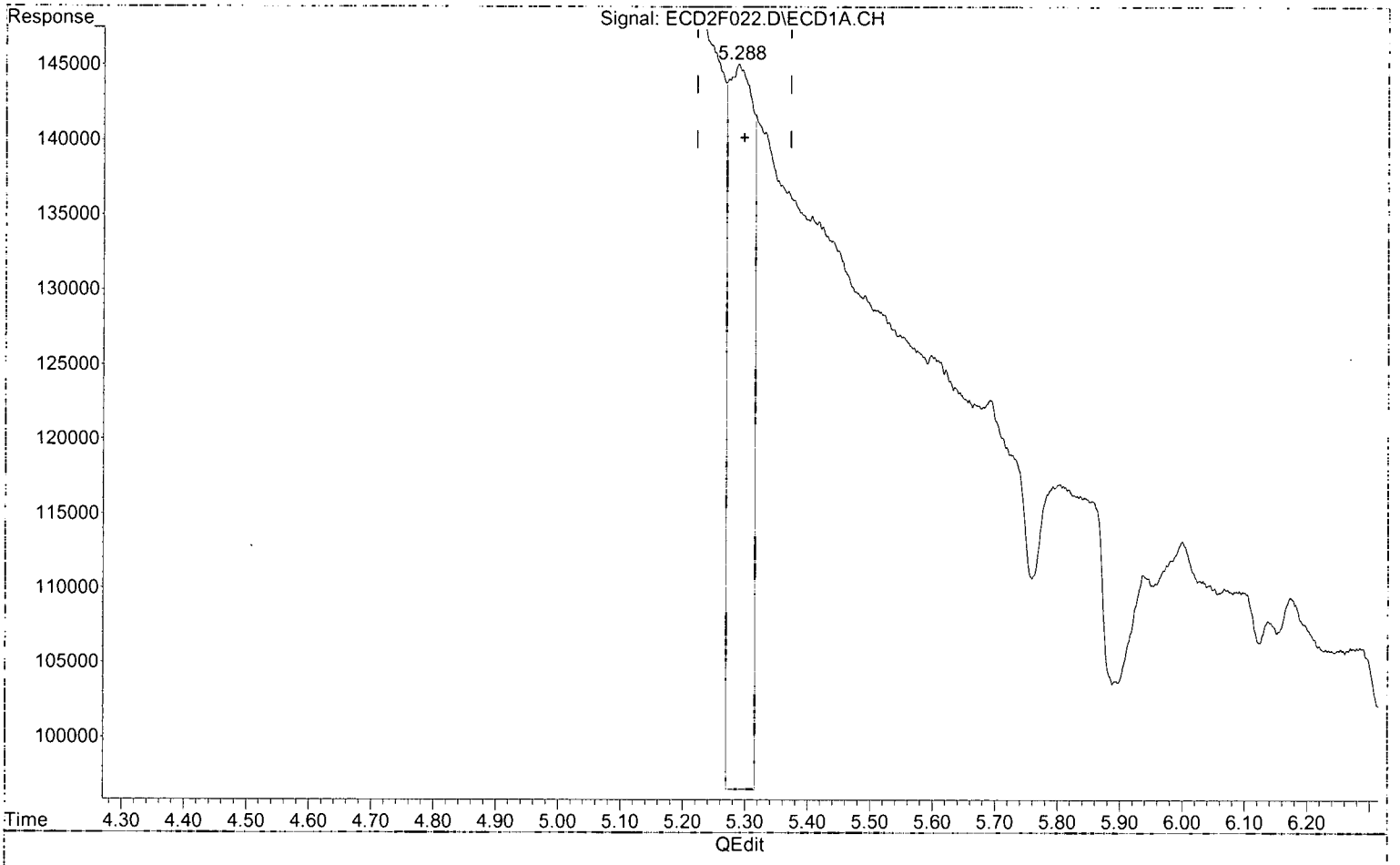
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:35:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(11) Aroclor 1221 (3)

5.288min 15.325 ng/ml m

response 48561

4/14/20

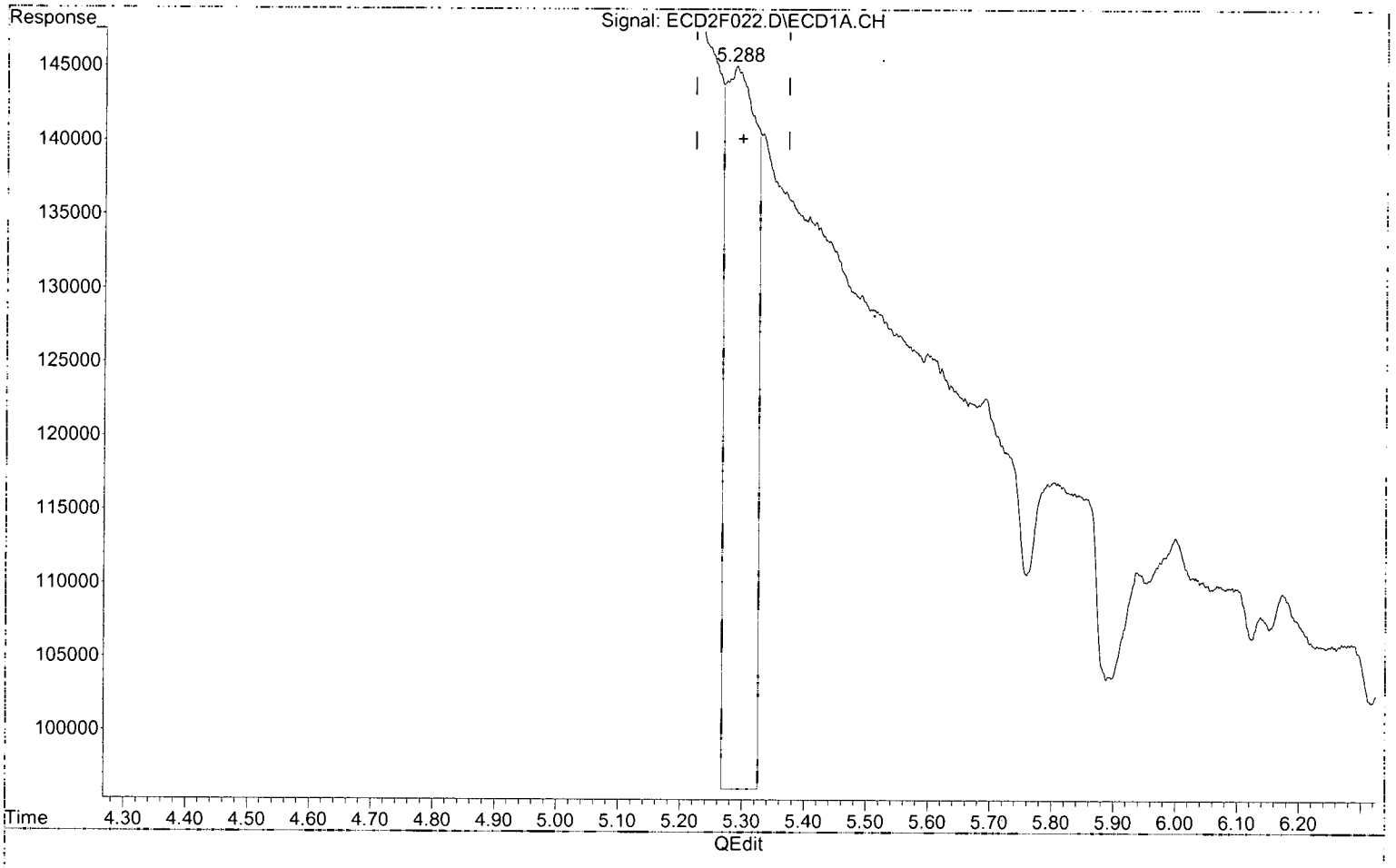
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:35:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(13) Aroclor 1232 (1)

5.288min 18.889 ng/ml (m) 4/14/20

response 49013

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:23:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.745	12003960	157.638	ng/ml
62) S	DCBP (S)	9.482	29700802	195.285	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.658	10267	2.157	ng/ml
3)	Aroclor 1016 (2)	6.067	8833	0.858	ng/ml
4)	Aroclor 1016 (3)	6.137	7631	1.429	ng/ml
5)	Aroclor 1016 (4)	6.285	7775	1.612	ng/ml
6)	Aroclor 1016 (5)	6.528	6583	1.163	ng/ml
7)	Aroclor 1016 (6)	6.656	8258	2.027	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.100	254586	175.553	ng/ml
10)	Aroclor 1221 (2)	5.273f	16915	17.304	ng/ml
11)	Aroclor 1221 (3)	5.288	18509	5.841	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.288	18509	7.133	ng/ml
14)	Aroclor 1232 (2)	6.067	8833	2.083	ng/ml
15)	Aroclor 1232 (3)	6.137	7631	3.432	ng/ml
16)	Aroclor 1232 (4)	6.285	7775	4.724	ng/ml
17)	Aroclor 1232 (5)	6.528	6583	3.054	ng/ml
18)	Aroclor 1232 (6)	6.656	8258	4.712	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.658	10267	2.822	ng/ml
21)	Aroclor 1242 (2)	6.067	8833	1.111	ng/ml
22)	Aroclor 1242 (3)	6.137	7631	1.908	ng/ml
23)	Aroclor 1242 (4)	6.285	7775	2.341	ng/ml
24)	Aroclor 1242 (5)	6.528	6583	1.523	ng/ml
25)	Aroclor 1242 (6)	6.656	8258	2.291	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.067	8833	1.804	ng/ml
28)	Aroclor 1248 (2)	6.285	7775	1.298	ng/ml
29)	Aroclor 1248 (3)	6.528	6583	0.979	ng/ml
30)	Aroclor 1248 (4)	6.828	5933	0.722	ng/ml
31)	Aroclor 1248 (5)	6.856	7385	0.937	ng/ml
32)	Aroclor 1248 (6)	7.344	15978	3.511	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.856	7385	0.850	ng/ml
35)	Aroclor 1254 (2)	6.971	8937	0.795	ng/ml
36)	Aroclor 1254 (3)	7.344	15978	0.950	ng/ml
37)	Aroclor 1254 (4)	7.508	14986	1.403	ng/ml
38)	Aroclor 1254 (5)	7.894	36143	3.076	ng/ml
39)	Aroclor 1254 (6)	8.175	13605	3.609	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.484	15407	1.373	ng/ml
42)	Aroclor 1260 (2)	7.610	35400	2.504	ng/ml
43)	Aroclor 1260 (3)	8.144	15649	1.476	ng/ml
44)	Aroclor 1260 (4)	8.310	44640	1.711	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:23:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.616	16487	0.974	ng/ml
46)	Aroclor 1260 (6)	9.002	15984	2.281	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.610	35400	3.204	ng/ml
49)	Aroclor 1262 (2)	7.894	36143	2.381	ng/ml
50)	Aroclor 1262 (3)	8.144	15649	1.188	ng/ml
51)	Aroclor 1262 (4)	8.310	44640	1.517	ng/ml
52)	Aroclor 1262 (5)	8.616	16487	0.910	ng/ml
53)	Aroclor 1262 (6)	9.002	15984	1.655	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.144	15649	2.204	ng/ml
56)	Aroclor 1268 (2)	8.565	14598	0.419	ng/ml
57)	Aroclor 1268 (3)	8.616	16487	0.570	ng/ml
58)	Aroclor 1268 (4)	8.792	459083	17.893	ng/ml
59)	Aroclor 1268 (5)	9.002	15984	1.471	ng/ml
60)	Aroclor 1268 (6)	9.253	985409	12.579	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

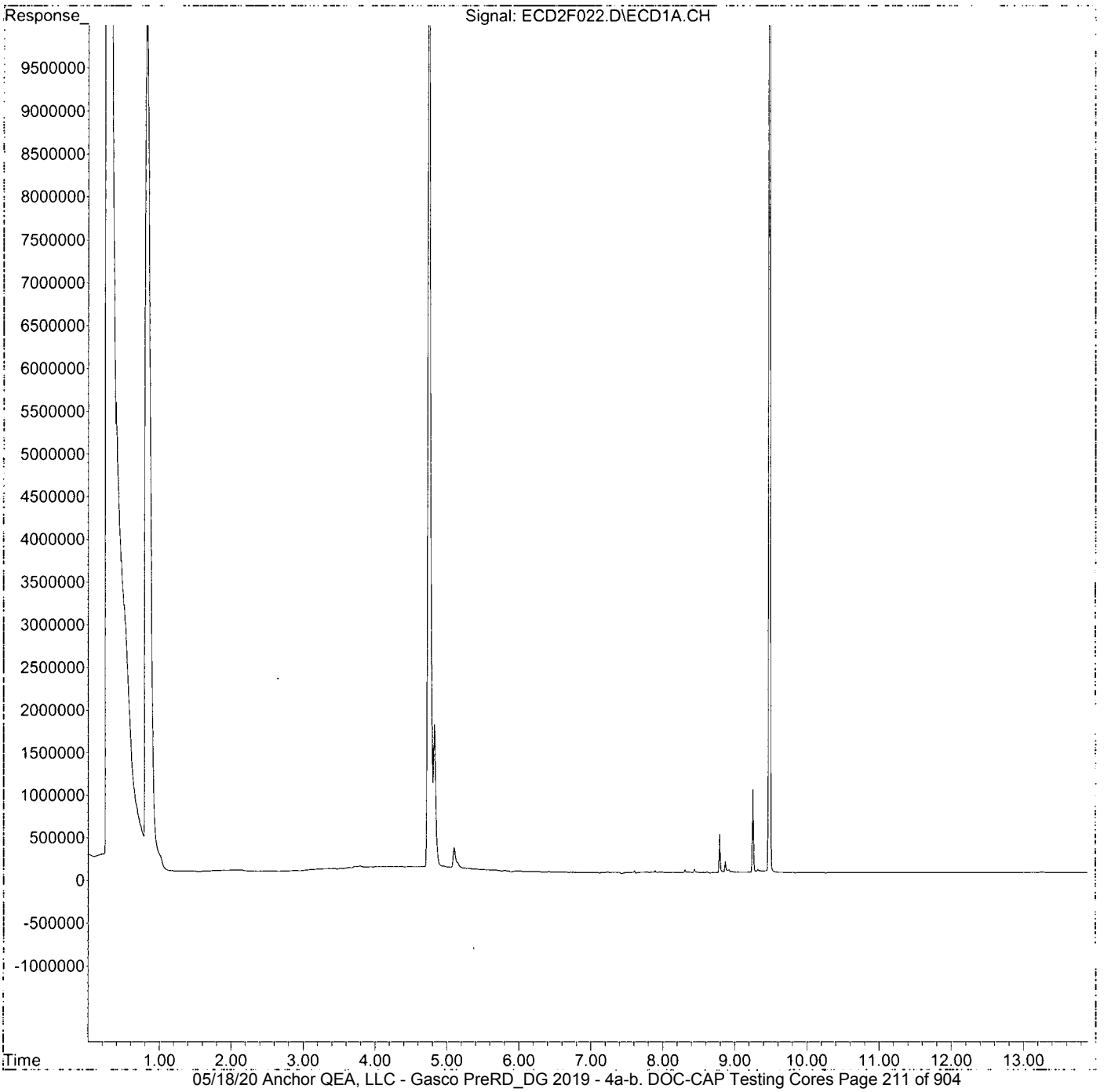
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:14 pm
Operator : MJB / KAK
Sample : A0D0205-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:23:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:49 pm
Operator : MJB / KAK
Sample : A0D0205-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.745	9862123	129.511	ng/ml
62)	S DCBP (S)	9.483	25788367	169.560	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.655	4527	0.951	ng/ml
3)	Aroclor 1016 (2)	6.071	2473	0.240	ng/ml
4)	Aroclor 1016 (3)	6.143	2470	0.463	ng/ml
5)	Aroclor 1016 (4)	6.310	3274	0.679	ng/ml
6)	Aroclor 1016 (5)	6.525	3638	0.643	ng/ml
7)	Aroclor 1016 (6)	6.658	5249	1.288	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.103	219071	151.063	ng/ml
10)	Aroclor 1221 (2)	5.265f	15454	15.809	ng/ml
11)	Aroclor 1221 (3)	5.290	16376	5.168	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.290	16376	6.311	ng/ml
14)	Aroclor 1232 (2)	6.071	2473	0.583	ng/ml
15)	Aroclor 1232 (3)	6.143	2470	1.111	ng/ml
16)	Aroclor 1232 (4)	6.310	3274	1.989	ng/ml
17)	Aroclor 1232 (5)	6.525	3638	1.688	ng/ml
18)	Aroclor 1232 (6)	6.658	5249	2.995	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.655	4527	1.244	ng/ml
21)	Aroclor 1242 (2)	6.071	2473	0.311	ng/ml
22)	Aroclor 1242 (3)	6.143	2470	0.617	ng/ml
23)	Aroclor 1242 (4)	6.310	3274	0.986	ng/ml
24)	Aroclor 1242 (5)	6.525	3638	0.842	ng/ml
25)	Aroclor 1242 (6)	6.658	5249	1.456	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.071	2473	0.505	ng/ml
28)	Aroclor 1248 (2)	6.310	3274	0.546	ng/ml
29)	Aroclor 1248 (3)	6.525	3638	0.541	ng/ml
30)	Aroclor 1248 (4)	6.821	4323	0.526	ng/ml
31)	Aroclor 1248 (5)	6.864	5029	0.638	ng/ml
32)	Aroclor 1248 (6)	7.336	9002	1.978	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.857	5012	0.577	ng/ml
35)	Aroclor 1254 (2)	6.974	8011	0.713	ng/ml
36)	Aroclor 1254 (3)	7.336	9002	0.535	ng/ml
37)	Aroclor 1254 (4)	7.507	10541	0.987	ng/ml
38)	Aroclor 1254 (5)	7.894	26791	2.280	ng/ml
39)	Aroclor 1254 (6)	8.174	9094	2.412	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.483	13068	1.164	ng/ml
42)	Aroclor 1260 (2)	7.591	12117	0.857	ng/ml
43)	Aroclor 1260 (3)	8.145	10650	1.005	ng/ml
44)	Aroclor 1260 (4)	8.311	39825	1.526	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:49 pm
Operator : MJB / KAK
Sample : A0D0205-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.617	13636	0.805 ng/ml
46)	Aroclor 1260 (6)	9.002	13607	1.942 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.591	12117	1.097 ng/ml
49)	Aroclor 1262 (2)	7.925	9951	0.655 ng/ml
50)	Aroclor 1262 (3)	8.145	10650	0.809 ng/ml
51)	Aroclor 1262 (4)	8.311	39825	1.354 ng/ml
52)	Aroclor 1262 (5)	8.617	13636	0.752 ng/ml
53)	Aroclor 1262 (6)	9.002	13607	1.409 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.145	10650	1.500 ng/ml
56)	Aroclor 1268 (2)	8.565	11610	0.333 ng/ml
57)	Aroclor 1268 (3)	8.617	13636	0.471 ng/ml
58)	Aroclor 1268 (4)	8.792	439980	17.148 ng/ml
59)	Aroclor 1268 (5)	9.002	13607	1.252 ng/ml
60)	Aroclor 1268 (6)	9.254	962476	12.286 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

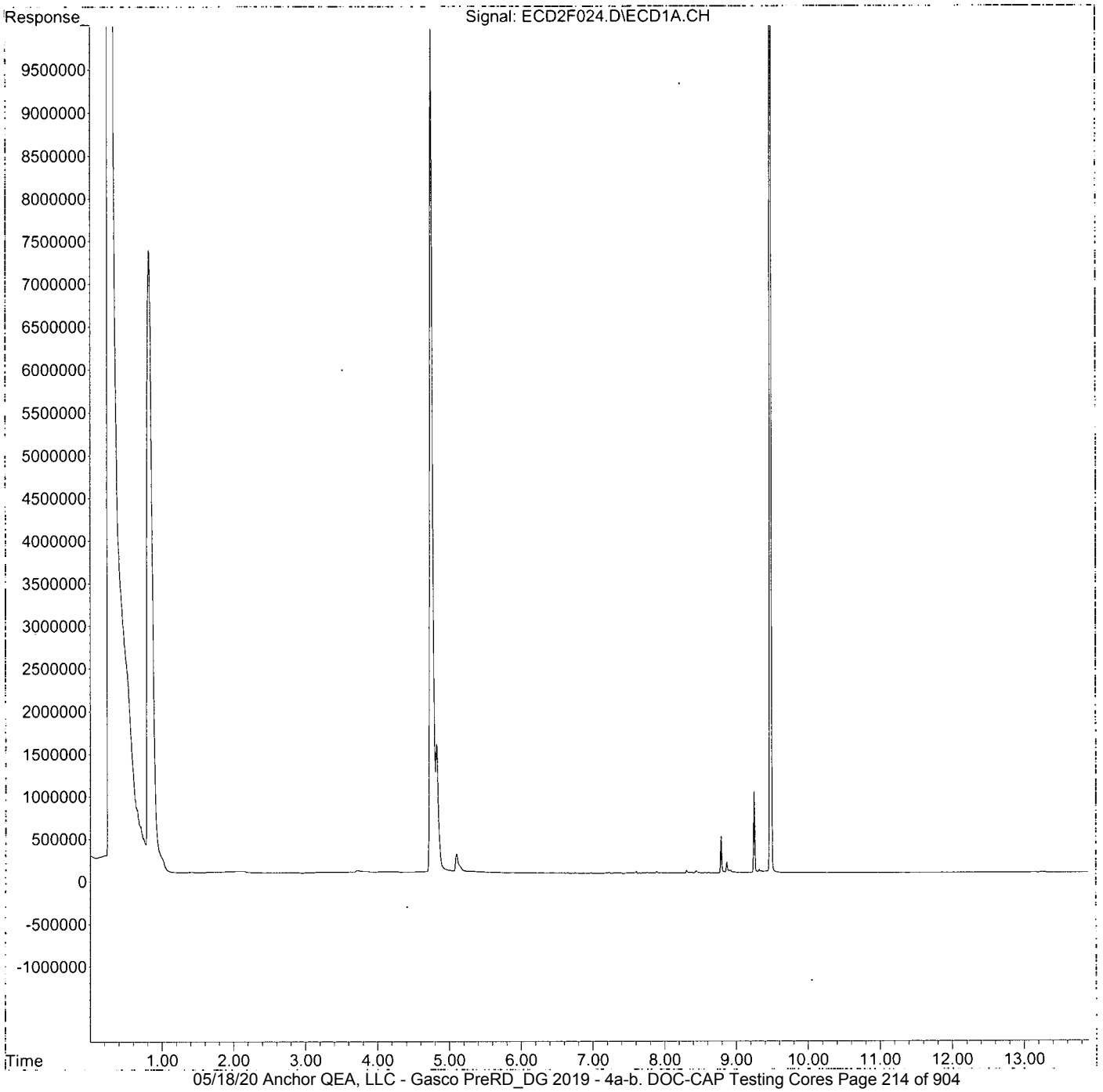
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 1:49 pm
Operator : MJB / KAK
Sample : A0D0205-02
Misc :
ALS Vial : 6 · Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 2:24 pm
Operator : MJB / KAK
Sample : A0D0205-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.742	10969635	144.055	ng/ml
62)	S DCBP (S)	9.481	26708099	175.608	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.656	10425	2.190	ng/ml
3)	Aroclor 1016 (2)	6.072	9890	0.961	ng/ml
4)	Aroclor 1016 (3)	6.129	9862	1.847	ng/ml
5)	Aroclor 1016 (4)	6.310	9286	1.925	ng/ml
6)	Aroclor 1016 (5)	6.521	7788	1.376	ng/ml
7)	Aroclor 1016 (6)	6.656	7800	1.915	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.101	238652	164.565	ng/ml
10)	Aroclor 1221 (2)	5.288f	20913	21.394	ng/ml
11)	Aroclor 1221 (3)	5.293	20901	6.596	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.293	20901	8.055	ng/ml
14)	Aroclor 1232 (2)	6.072	9890	2.332	ng/ml
15)	Aroclor 1232 (3)	6.129	9862	4.436	ng/ml
16)	Aroclor 1232 (4)	6.310	9286	5.641	ng/ml
17)	Aroclor 1232 (5)	6.521	7788	3.613	ng/ml
18)	Aroclor 1232 (6)	6.656	7800	4.451	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.656	10425	2.866	ng/ml
21)	Aroclor 1242 (2)	6.072	9890	1.244	ng/ml
22)	Aroclor 1242 (3)	6.129	9862	2.465	ng/ml
23)	Aroclor 1242 (4)	6.310	9286	2.796	ng/ml
24)	Aroclor 1242 (5)	6.521	7788	1.801	ng/ml
25)	Aroclor 1242 (6)	6.656	7800	2.164	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.072	9890	2.020	ng/ml
28)	Aroclor 1248 (2)	6.310	9286	1.550	ng/ml
29)	Aroclor 1248 (3)	6.521	7788	1.158	ng/ml
30)	Aroclor 1248 (4)	6.804	5960	0.725	ng/ml
31)	Aroclor 1248 (5)	6.868	6997	0.888	ng/ml
32)	Aroclor 1248 (6)	7.334	7582	1.666	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.868	6997	0.805	ng/ml
35)	Aroclor 1254 (2)	6.970	6793	0.605	ng/ml
36)	Aroclor 1254 (3)	7.334	7582	0.451	ng/ml
37)	Aroclor 1254 (4)	7.507	9602	0.899	ng/ml
38)	Aroclor 1254 (5)	7.894	26576	2.262	ng/ml
39)	Aroclor 1254 (6)	8.174	8496	2.254	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.481	11834	1.054	ng/ml
42)	Aroclor 1260 (2)	7.611	32439	2.294	ng/ml
43)	Aroclor 1260 (3)	8.145	10185	0.961	ng/ml
44)	Aroclor 1260 (4)	8.311	41345	1.584	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 2:24 pm
Operator : MJB / KAK
Sample : A0D0205-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.617	13084	0.773 ng/ml
46)	Aroclor 1260 (6)	9.001	13191	1.883 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.611	32439	2.936 ng/ml
49)	Aroclor 1262 (2)	7.894	26576	1.750 ng/ml
50)	Aroclor 1262 (3)	8.145	10185	0.773 ng/ml
51)	Aroclor 1262 (4)	8.311	41345	1.405 ng/ml
52)	Aroclor 1262 (5)	8.617	13084	0.722 ng/ml
53)	Aroclor 1262 (6)	9.001	13191	1.366 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.145	10185	1.435 ng/ml
56)	Aroclor 1268 (2)	8.565	10424	0.299 ng/ml
57)	Aroclor 1268 (3)	8.617	13084	0.452 ng/ml
58)	Aroclor 1268 (4)	8.793	447375	17.436 ng/ml
59)	Aroclor 1268 (5)	9.001	13191	1.214 ng/ml
60)	Aroclor 1268 (6)	9.252	1026990	13.109 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

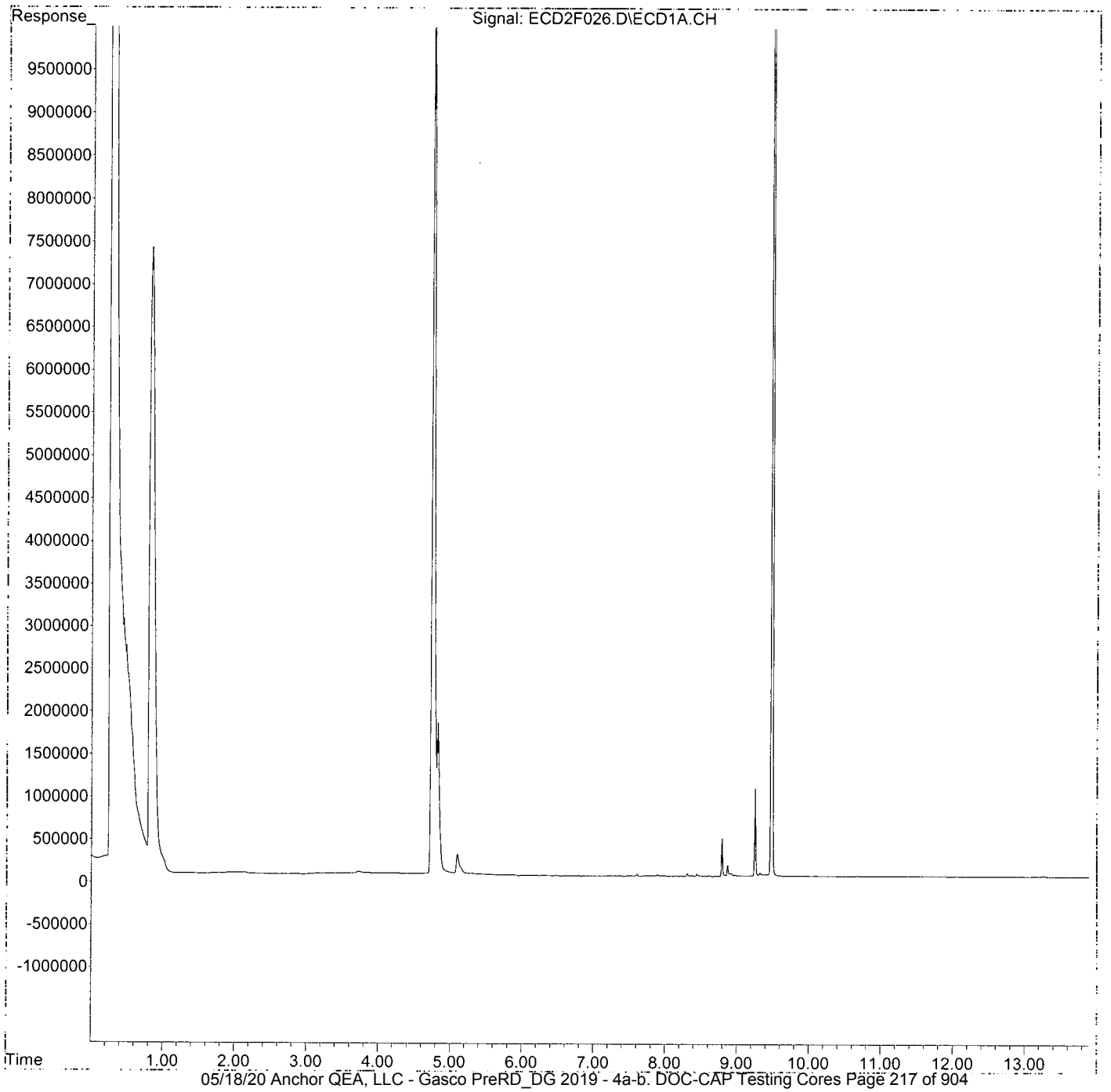
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 2:24 pm
Operator : MJB / KAK
Sample : A0D0205-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 2:59 pm
Operator : MJB / KAK
Sample : A0D0205-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.743	12763051	167.607	ng/ml
62)	S DCBP (S)	9.481	29050512	191.009	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.654	5639	1.184	ng/ml
3)	Aroclor 1016 (2)	6.035	6806	0.661	ng/ml
4)	Aroclor 1016 (3)	6.139	9510	1.781	ng/ml
5)	Aroclor 1016 (4)	6.308	11117	2.304	ng/ml
6)	Aroclor 1016 (5)	6.492f	12239	2.162	ng/ml
7)	Aroclor 1016 (6)	6.658	13535	3.323	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.101	286253	197.388	ng/ml
10)	Aroclor 1221 (2)	5.290f	17520	17.922	ng/ml
11)	Aroclor 1221 (3)	5.298	17330	5.469	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.298	17330	6.679	ng/ml
14)	Aroclor 1232 (2)	6.035	6806	1.605	ng/ml
15)	Aroclor 1232 (3)	6.139	9510	4.277	ng/ml
16)	Aroclor 1232 (4)	6.308	11117	6.754	ng/ml
17)	Aroclor 1232 (5)	6.492f	12239	5.678	ng/ml
18)	Aroclor 1232 (6)	6.658	13535	7.724	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.654	5639	1.550	ng/ml
21)	Aroclor 1242 (2)	6.035	6806	0.856	ng/ml
22)	Aroclor 1242 (3)	6.139	9510	2.377	ng/ml
23)	Aroclor 1242 (4)	6.308	11117	3.347	ng/ml
24)	Aroclor 1242 (5)	6.492f	12239	2.831	ng/ml
25)	Aroclor 1242 (6)	6.658	13535	3.756	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.035	6806	1.390	ng/ml
28)	Aroclor 1248 (2)	6.308	11117	1.855	ng/ml
29)	Aroclor 1248 (3)	6.492f	12239	1.820	ng/ml
30)	Aroclor 1248 (4)	6.786f	12617	1.535	ng/ml
31)	Aroclor 1248 (5)	6.872	12491	1.585	ng/ml
32)	Aroclor 1248 (6)	7.355	15558	3.419	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.872	12491	1.438	ng/ml
35)	Aroclor 1254 (2)	6.971	13276	1.182	ng/ml
36)	Aroclor 1254 (3)	7.355	15558	0.925	ng/ml
37)	Aroclor 1254 (4)	7.519	15224	1.426	ng/ml
38)	Aroclor 1254 (5)	7.894	35685	3.037	ng/ml
39)	Aroclor 1254 (6)	8.172	14917	3.957	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.446	5122	0.456	ng/ml
42)	Aroclor 1260 (2)	7.609	31713	2.243	ng/ml
43)	Aroclor 1260 (3)	8.144	16736	1.579	ng/ml
44)	Aroclor 1260 (4)	8.309	44788	1.716	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 2:59 pm
Operator : MJB / KAK
Sample : A0D0205-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.616	17482	1.032 ng/ml
46)	Aroclor 1260 (6)	9.001	18706	2.670 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.609	31713	2.870 ng/ml
49)	Aroclor 1262 (2)	7.918	16360	1.078 ng/ml
50)	Aroclor 1262 (3)	8.144	16736	1.271 ng/ml
51)	Aroclor 1262 (4)	8.309	44788	1.522 ng/ml
52)	Aroclor 1262 (5)	8.616	17482	0.965 ng/ml
53)	Aroclor 1262 (6)	9.001	18706	1.937 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.144	16736	2.357 ng/ml
56)	Aroclor 1268 (2)	8.565	14760	0.424 ng/ml
57)	Aroclor 1268 (3)	8.616	17482	0.604 ng/ml
58)	Aroclor 1268 (4)	8.792	506517	19.741 ng/ml
59)	Aroclor 1268 (5)	9.001	18706	1.721 ng/ml
60)	Aroclor 1268 (6)	9.253	1092526	13.946 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

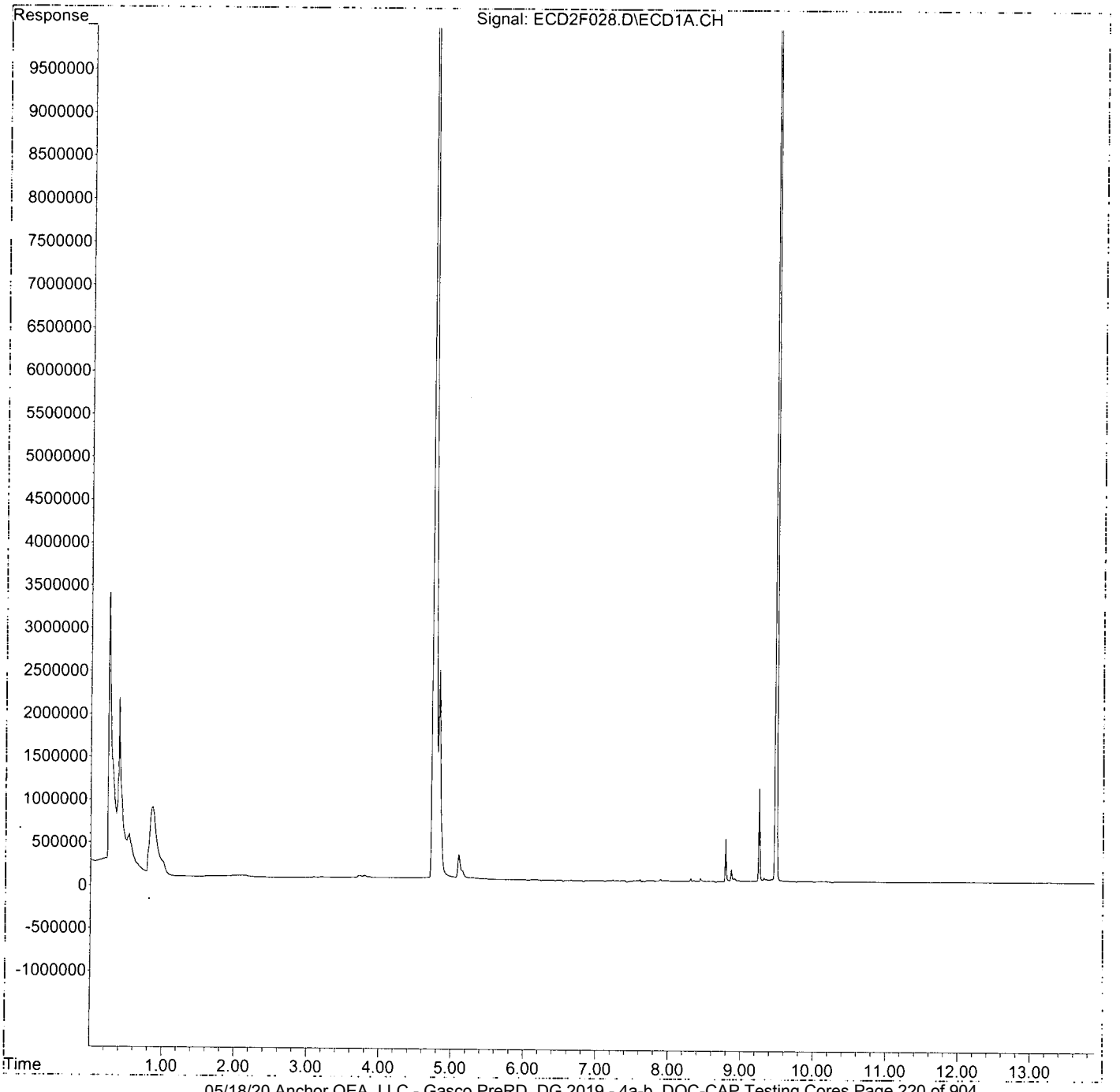
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 2:59 pm
Operator : MJB / KAK
Sample : A0D0205-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:24:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F038.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 5:56 pm
Operator : MJB / KAK
Sample : 0D13024-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:26:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.745	19406301	254.847	ng/ml
62)	S DCBP (S)	9.484	37551162	246.902	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.660	2134101	448.300	ng/ml
3)	Aroclor 1016 (2)	6.071	4644368	451.314	ng/ml
4)	Aroclor 1016 (3)	6.154	2363151	442.643	ng/ml
5)	Aroclor 1016 (4)	6.311	2141016	443.800	ng/ml
6)	Aroclor 1016 (5)	6.533	2533414	447.498	ng/ml
7)	Aroclor 1016 (6)	6.658	1788690	439.077	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.101	534749	368.742	ng/ml
10)	Aroclor 1221 (2)	5.217	233924	239.297	ng/ml
11)	Aroclor 1221 (3)	5.298	1026324	323.892	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.298	1026324	395.542	ng/ml
14)	Aroclor 1232 (2)	6.071	4644368	1095.327	ng/ml
15)	Aroclor 1232 (3)	6.154	2363151	1062.918	ng/ml
16)	Aroclor 1232 (4)	6.311	2141016	1300.707	ng/ml
17)	Aroclor 1232 (5)	6.533	2533414	1175.273	ng/ml
18)	Aroclor 1232 (6)	6.658	1788690	1020.728	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.660	2134101	586.585	ng/ml
21)	Aroclor 1242 (2)	6.071	4644368	584.294	ng/ml
22)	Aroclor 1242 (3)	6.154	2363151	590.761	ng/ml
23)	Aroclor 1242 (4)	6.311	2141016	644.659	ng/ml
24)	Aroclor 1242 (5)	6.533	2533414	585.971	ng/ml
25)	Aroclor 1242 (6)	6.658	1788690	496.302	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.071	4644368	948.547	ng/ml
28)	Aroclor 1248 (2)	6.311	2141016	357.290	ng/ml
29)	Aroclor 1248 (3)	6.533	2533414	376.744	ng/ml
30)	Aroclor 1248 (4)	6.827	491728	59.810	ng/ml
31)	Aroclor 1248 (5)	6.860	1665721	211.370	ng/ml
32)	Aroclor 1248 (6)	7.346	3778533	830.292	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.860	1665721	191.705	ng/ml
35)	Aroclor 1254 (2)	6.970	1789777	159.291	ng/ml
36)	Aroclor 1254 (3)	7.346	3778533	224.763	ng/ml
37)	Aroclor 1254 (4)	7.507	545963	51.129	ng/ml
38)	Aroclor 1254 (5)	7.886	5165819	439.663	ng/ml
39)	Aroclor 1254 (6)	8.176	563001	149.332	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.459	5063107	451.108	ng/ml
42)	Aroclor 1260 (2)	7.593	6568494	464.595	ng/ml
43)	Aroclor 1260 (3)	8.147	4937433	465.707	ng/ml
44)	Aroclor 1260 (4)	8.318	12243706	469.199	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F038.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 5:56 pm
Operator : MJB / KAK
Sample : 0D13024-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:26:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.616	7974978	470.990	ng/ml
46)	Aroclor 1260 (6)	9.003	3231324	461.144	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.593	6568494	594.483	ng/ml
49)	Aroclor 1262 (2)	7.916	4758352	313.411	ng/ml
50)	Aroclor 1262 (3)	8.147	4937433	374.905	ng/ml
51)	Aroclor 1262 (4)	8.318	12243706	416.156	ng/ml
52)	Aroclor 1262 (5)	8.616	7974978	439.984	ng/ml
53)	Aroclor 1262 (6)	9.003	3231324	334.571	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.147	4937433	695.456	ng/ml
56)	Aroclor 1268 (2)	8.565	2608427	74.910	ng/ml
57)	Aroclor 1268 (3)	8.616	7974978	275.524	ng/ml
58)	Aroclor 1268 (4)	8.791	339051	13.214	ng/ml
59)	Aroclor 1268 (5)	9.003	3231324	297.282	ng/ml
60)	Aroclor 1268 (6)	9.254	827940	10.568	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

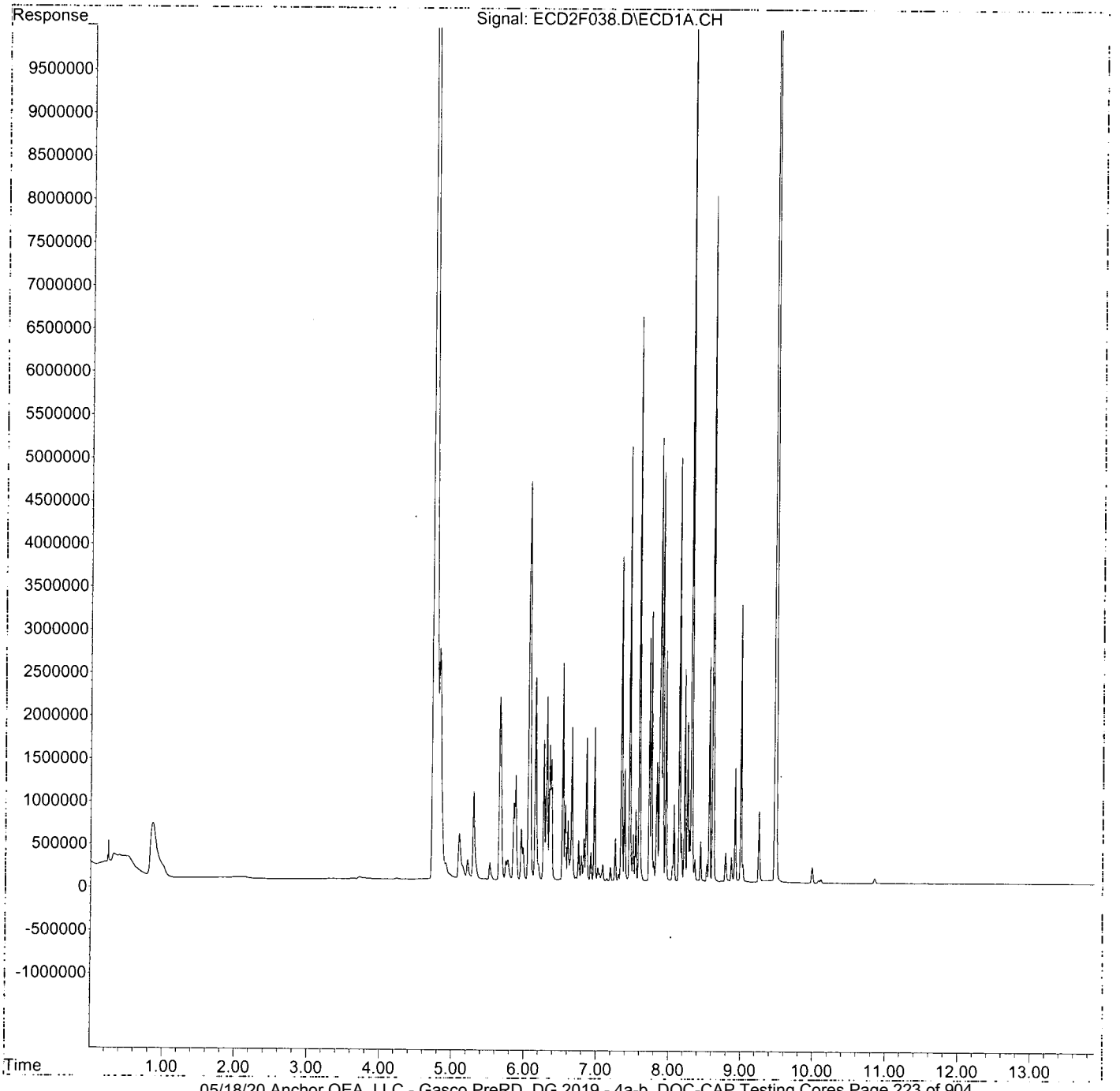
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F038.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 5:56 pm
Operator : MJB / KAK
Sample : 0D13024-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:26:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F039.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 6:13 pm
Operator : MJB / KAK
Sample : 0D13024-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:27:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/14/20
clean

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S TCMX (S)	4.745	6406280	84.128 ng/ml
62)	S DCBP (S)	9.482	12401851	81.543 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.655	3203	0.673 ng/ml
3)	Aroclor 1016 (2)	6.087	5589	0.543 ng/ml
4)	Aroclor 1016 (3)	6.170	3902	0.731 ng/ml
5)	Aroclor 1016 (4)	6.310	2088	0.433 ng/ml
6)	Aroclor 1016 (5)	6.539	2322	0.410 ng/ml
7)	Aroclor 1016 (6)	6.660	2381	0.585 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.099	143873	99.209 ng/ml
10)	Aroclor 1221 (2)	5.245	15176	15.525 ng/ml
11)	Aroclor 1221 (3)	5.322	11556	3.647 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.322	11556	4.454 ng/ml
14)	Aroclor 1232 (2)	6.087	5589	1.318 ng/ml
15)	Aroclor 1232 (3)	6.170	3902	1.755 ng/ml
16)	Aroclor 1232 (4)	6.310	2088	1.269 ng/ml
17)	Aroclor 1232 (5)	6.539	2322	1.077 ng/ml
18)	Aroclor 1232 (6)	6.660	2381	1.359 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	5.655	3203	0.880 ng/ml
21)	Aroclor 1242 (2)	6.087	5589	0.703 ng/ml
22)	Aroclor 1242 (3)	6.170	3902	0.975 ng/ml
23)	Aroclor 1242 (4)	6.310	2088	0.629 ng/ml
24)	Aroclor 1242 (5)	6.539	2322	0.537 ng/ml
25)	Aroclor 1242 (6)	6.660	2381	0.661 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.054	1837	0.375 ng/ml
28)	Aroclor 1248 (2)	6.310	2088	0.348 ng/ml
29)	Aroclor 1248 (3)	6.539	2322	0.345 ng/ml
30)	Aroclor 1248 (4)	6.831	1089	0.133 ng/ml
31)	Aroclor 1248 (5)	6.868	1164	0.148 ng/ml
32)	Aroclor 1248 (6)	7.348	2544	0.559 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	6.858	1103	0.127 ng/ml
35)	Aroclor 1254 (2)	6.968	760	0.068 ng/ml
36)	Aroclor 1254 (3)	7.348	2544	0.151 ng/ml
37)	Aroclor 1254 (4)	7.505	1847	0.173 ng/ml
38)	Aroclor 1254 (5)	7.894	12217	1.040 ng/ml
39)	Aroclor 1254 (6)	8.177	1775	0.471 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41)	Aroclor 1260 (1)	7.462	3238	0.288 ng/ml
42)	Aroclor 1260 (2)	7.593	2624	0.186 ng/ml
43)	Aroclor 1260 (3)	8.145	4396	0.415 ng/ml
44)	Aroclor 1260 (4)	8.312	16880	0.647 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F039.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 6:13 pm
Operator : MJB / KAK
Sample : 0D13024-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:27:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	5235	0.309	ng/ml
46)	Aroclor 1260 (6)	9.003	4947	0.706	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.593	2624	0.237	ng/ml
49)	Aroclor 1262 (2)	7.932	826	0.054	ng/ml
50)	Aroclor 1262 (3)	8.145	4396	0.334	ng/ml
51)	Aroclor 1262 (4)	8.312	16880	0.574	ng/ml
52)	Aroclor 1262 (5)	8.617	5235	0.289	ng/ml
53)	Aroclor 1262 (6)	9.003	4947	0.512	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.145	4396	0.619	ng/ml
56)	Aroclor 1268 (2)	8.565	4571	0.131	ng/ml
57)	Aroclor 1268 (3)	8.617	5235	0.181	ng/ml
58)	Aroclor 1268 (4)	8.792	261264	10.183	ng/ml
59)	Aroclor 1268 (5)	9.003	4947	0.455	ng/ml
60)	Aroclor 1268 (6)	9.254	525260	6.705	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

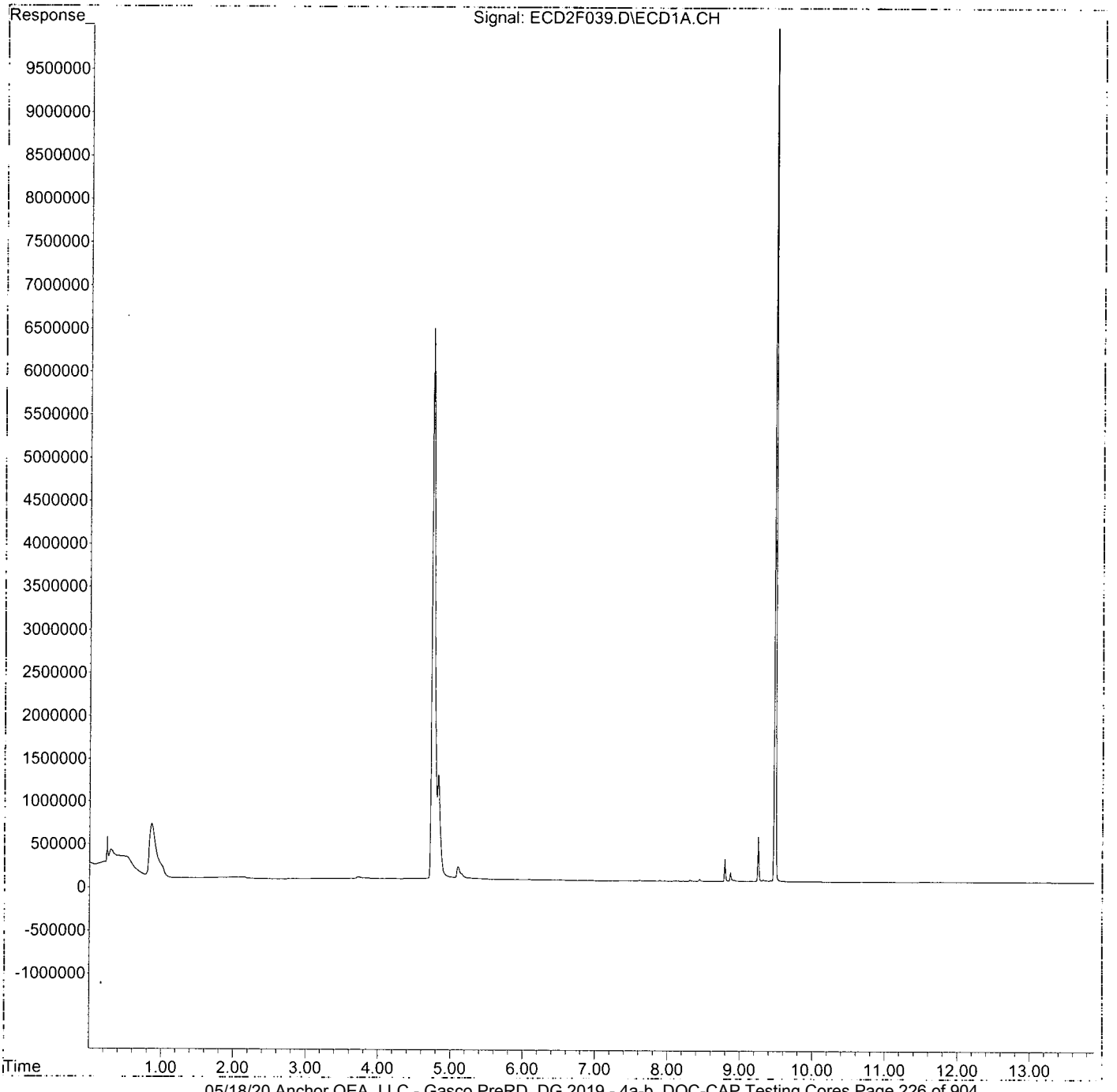
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13024\
Data File : ECD2F039.D
Signal(s) : ECD1A.CH
Acq On : 13 Apr 2020 6:13 pm
Operator : MJB / KAK
Sample : 0D13024-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 14 08:27:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Sequence 0D13025 (QC Only)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D13025** Instrument: **DUALECD2R**

Date: **04/13/20 06:16** Calibration: **A0D1002**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D13025-CCV1	Sediment	QC	QC				A20C132
2	0D13025-CCB1	Sediment	QC	QC				A20C404
3	0040376-BLK1	Sediment	QC	QC		0040376		
4	0040376-BS1	Sediment	QC	QC		0040376		
5	A0D0196-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
6	0D13025-IBL1	Sediment	QC	QC				
7	0040376-DUP1	Sediment	QC	QC		0040376		
8	0D13025-IBL2	Sediment	QC	QC				
9	0040376-MS1	Sediment	QC	QC		0040376		
10	0D13025-IBL3	Sediment	QC	QC				
11	0040376-MSD1	Sediment	QC	QC		0040376		
12	0D13025-IBL4	Sediment	QC	QC				
13	A0D0196-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
14	0D13025-IBL5	Sediment	QC	QC				
15	A0D0196-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
16	0D13025-IBL6	Sediment	QC	QC				
17	0D13025-CCV2	Sediment	QC	QC				A20C132
18	0D13025-CCB2	Sediment	QC	QC				A20C404
19	A0D0207-05	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
20	0D13025-IBL7	Sediment	QC	QC				
21	A0D0207-06	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
22	0D13025-IBL8	Sediment	QC	QC				
23	A0D0210-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
24	0D13025-IBL9	Sediment	QC	QC				
25	A0D0210-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
26	0D13025-IBLA	Sediment	QC	QC				
27	A0D0212-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
28	0D13025-IBLB	Sediment	QC	QC				
29	A0D0212-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
30	0D13025-IBLC	Sediment	QC	QC				
31	A0D0212-04	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
32	0D13025-IBLD	Sediment	QC	QC				
33	A0D0212-05	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
34	0D13025-IBLE	Sediment	QC	QC				
35	0D13025-CCV3	Sediment	QC	QC				A20C132
36	0D13025-CCB3	Sediment	QC	QC				A20C404

Comments: Complete

Data Entered By: 4/20/20

Data Reviewed By: MKT 4/20/20

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D13025** Instrument: **DUALECD2R**

Date: **04/13/20 06:16** Calibration: **A0D1002**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D13025-CCV1	Sediment	QC	QC				A20C132
2	0D13025-CCB1	Sediment	QC	QC				A20C404
3	0040376-BLK1	Sediment	QC	QC		0040376		
4	0040376-BS1	Sediment	QC	QC		0040376		
5	A0D0196-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
6	0D13025-IBL1	Sediment	QC	QC				
7	0040376-DUP1	Sediment	QC	QC		0040376		
8	0D13025-IBL2	Sediment	QC	QC				
9	0040376-MS1	Sediment	QC	QC		0040376		
10	0D13025-IBL3	Sediment	QC	QC				
11	0040376-MSD1	Sediment	QC	QC		0040376		
12	0D13025-IBL4	Sediment	QC	QC				
13	A0D0196-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
14	0D13025-IBL5	Sediment	QC	QC				
15	A0D0196-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/22/20	0040376		
16	0D13025-IBL6	Sediment	QC	QC				
17	0D13025-CCV2	Sediment	QC	QC				A20C132
18	0D13025-CCB2	Sediment	QC	QC				A20C404

Data Entered By: 4/13/20

Comments: Partial, +1262,68

Data Reviewed By: MJB 4/13/20

TOTAL AROCLOR AVERAGE RESULTS

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

0D13025-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	474.82
1016 (2)	516.57
1016 (3)	509.06
1016 (4)	481.31
1016 (5)	484.59
1016 (6)	484.38
Average:	**491.79**

Aroclor 1260

Peak	Initial Res
1260 (1)	524.87
1260 (2)	501.38
1260 (3)	518.38
1260 (4)	537.04
1260 (5)	526.38
1260 (6)	520.17
Average:	**521.37**

TOTAL AROCLOR AVERAGE RESULTS

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

0D13025-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	474.82
1016 (2)	516.57
1016 (3)	509.06
1016 (4)	481.31
1016 (5)	484.59
1016 (6)	484.38
Average:	**491.79**

Aroclor 1260

Peak	Initial Res
1260 (1)	524.87
1260 (2)	501.38
1260 (3)	518.38
1260 (4)	537.04
1260 (5)	526.38
1260 (6)	520.17
Average:	**521.37**

0D13025-CCV3

Aroclor 1016

Peak	Initial Res
1016 (1)	444.73
1016 (2)	464.80
1016 (3)	465.79
1016 (4)	427.63
1016 (5)	433.44
1016 (6)	425.77
Average:	**443.69**

Aroclor 1260

Peak	Initial Res
1260 (1)	445.78
1260 (2)	434.55
1260 (3)	443.02
1260 (4)	450.77
1260 (5)	452.40
1260 (6)	440.28
Average:	**444.47**

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 7:40
Operator : MJB / KAK
Sample : 0D13025-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:14:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.565	78790999	265.943	ng/ml
62)	S DCBP (S)	10.433	42595773	255.115	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.236	4568017	478.555	ng/ml
3)	Aroclor 1016 (2)	6.725	8412418	503.615	ng/ml
4)	Aroclor 1016 (3)	6.851	3828554	495.386	ng/ml
5)	Aroclor 1016 (4)	6.939	3665631	456.876	ng/ml
6)	Aroclor 1016 (5)	6.982	4030835	464.168	ng/ml
7)	Aroclor 1016 (6)	7.108	4093725	465.837	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.740	312092	141.145	ng/ml
10)	Aroclor 1221 (2)	5.813	577831	266.891	ng/ml
11)	Aroclor 1221 (3)	5.901	2707457	374.838	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.901	2707457	443.146	ng/ml
14)	Aroclor 1232 (2)	6.236	4568017	1222.527	ng/ml
15)	Aroclor 1232 (3)	6.725	8412418	1226.985	ng/ml
16)	Aroclor 1232 (4)	6.939	3665631	1451.312	ng/ml
17)	Aroclor 1232 (5)	6.982	4030835	1326.386	ng/ml
18)	Aroclor 1232 (6)	7.108	4093725	1277.651	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	6.236	4568017	655.186	ng/ml
21)	Aroclor 1242 (2)	6.725	8412418	674.110	ng/ml
22)	Aroclor 1242 (3)	6.851	3828554	677.888	ng/ml
23)	Aroclor 1242 (4)	6.939	3665631	689.611	ng/ml
24)	Aroclor 1242 (5)	6.982	4030835	660.188	ng/ml
25)	Aroclor 1242 (6)	7.108	4093725	628.083	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.725	8412418	1192.387	ng/ml
28)	Aroclor 1248 (2)	6.939	3665631	407.786	ng/ml
29)	Aroclor 1248 (3)	6.982	4030835	482.484	ng/ml
30)	Aroclor 1248 (4)	7.108	4093725	403.130	ng/ml
31)	Aroclor 1248 (5)	7.473	894252	69.214	ng/ml
32)	Aroclor 1248 (6)	7.631	3464375	300.631	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	7.450	2898774	224.779	ng/ml
35)	Aroclor 1254 (2)	7.631	3464375	169.438	ng/ml
36)	Aroclor 1254 (3)	7.941	1917791	86.811	ng/ml
37)	Aroclor 1254 (4)	8.180	1352522	77.925	ng/ml
38)	Aroclor 1254 (5)	8.514	10280864	621.371	ng/ml
39)	Aroclor 1254 (6)	8.730	1418903	282.311	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	8.077	8091604	484.981	ng/ml
42)	Aroclor 1260 (2)	8.284	9933286	479.481	ng/ml
43)	Aroclor 1260 (3)	8.514	10280864	493.953	ng/ml
44)	Aroclor 1260 (4)	8.995	17174802	505.885	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 7:40
Operator : MJB / KAK
Sample : 0D13025-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:14:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.246	9866936	498.535	ng/ml
46)	Aroclor 1260 (6)	9.794	3771126	484.467	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.284	9933286	610.500	ng/ml
49)	Aroclor 1262 (2)	8.583	7403591	339.016	ng/ml
50)	Aroclor 1262 (3)	8.760	7448150	414.991	ng/ml
51)	Aroclor 1262 (4)	8.995	17174802	444.053	ng/ml
52)	Aroclor 1262 (5)	9.246	9866936	422.756	ng/ml
53)	Aroclor 1262 (6)	9.794	3771126	362.687	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.800	561058	57.791	ng/ml
56)	Aroclor 1268 (2)	9.246	9866936	228.924	ng/ml
57)	Aroclor 1268 (3)	9.307	3730077	105.293	ng/ml
58)	Aroclor 1268 (4)	9.515	298038	9.963	ng/ml
59)	Aroclor 1268 (5)	9.794	3771126	315.022	ng/ml
60)	Aroclor 1268 (6)	10.132	973695	12.027	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

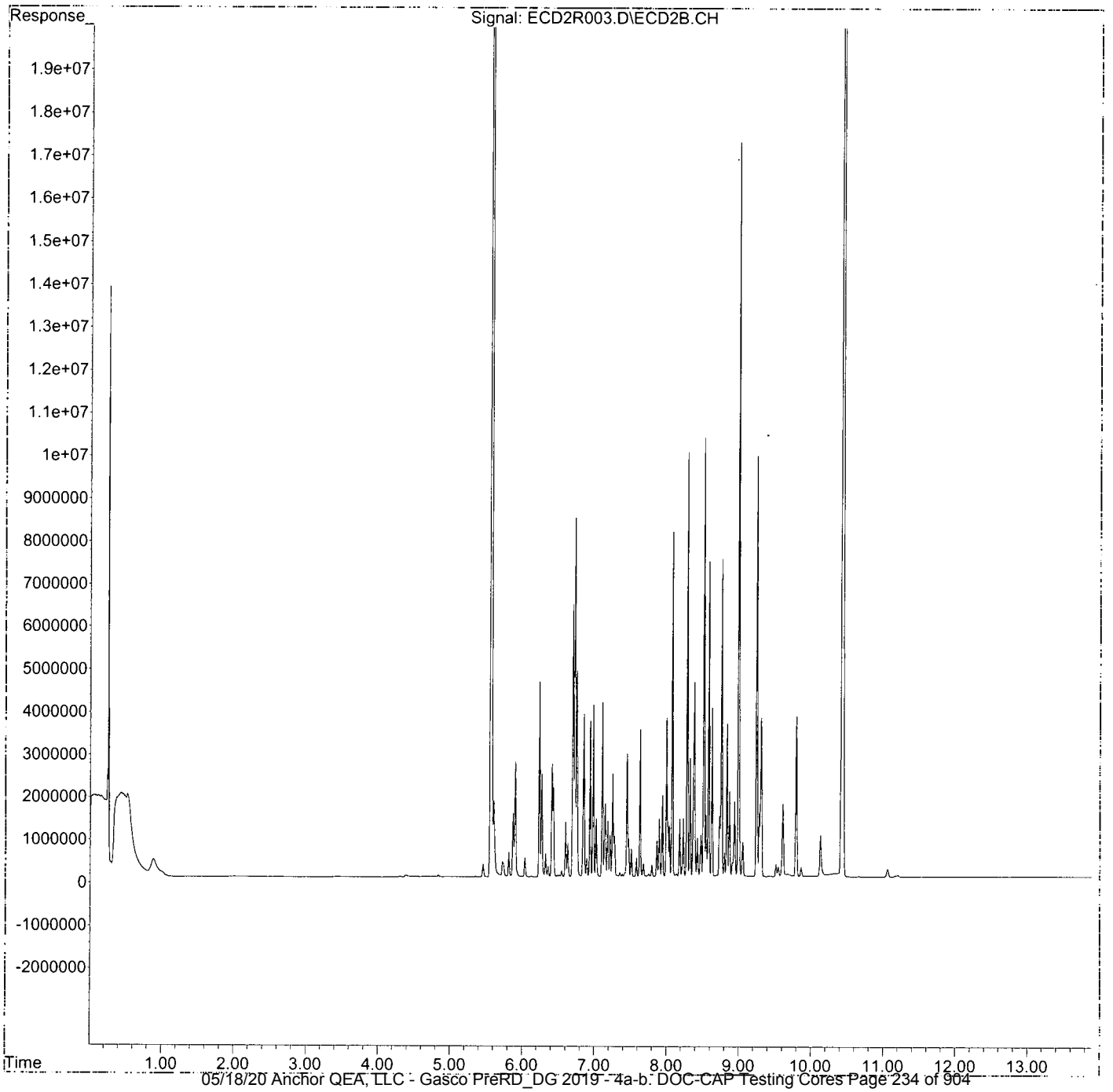
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 7:40
Operator : MJB / KAK
Sample : 0D13025-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:14:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 7:57
Operator : MJB / KAK
Sample : 0D13025-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.564	30499462	102.945	ng/ml
62)	S DCBP (S)	10.434	14311583	85.715	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.234	3045	0.319	ng/ml
3)	Aroclor 1016 (2)	6.728	3727	0.223	ng/ml
4)	Aroclor 1016 (3)	6.857	3733	0.483	ng/ml
5)	Aroclor 1016 (4)	6.937	2591	0.323	ng/ml
6)	Aroclor 1016 (5)	6.990	2363	0.272	ng/ml
7)	Aroclor 1016 (6)	7.103	2565	0.292	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.782f	11273	5.098	ng/ml
10)	Aroclor 1221 (2)	5.832	7355	3.397	ng/ml
11)	Aroclor 1221 (3)	5.871	606850	84.016	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.871	606850	99.327	ng/ml
14)	Aroclor 1232 (2)	6.234	3045	0.815	ng/ml
15)	Aroclor 1232 (3)	6.728	3727	0.544	ng/ml
16)	Aroclor 1232 (4)	6.937	2591	1.026	ng/ml
17)	Aroclor 1232 (5)	6.990	2363	0.778	ng/ml
18)	Aroclor 1232 (6)	7.103	2565	0.800	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	6.234	3045	0.437	ng/ml
21)	Aroclor 1242 (2)	6.728	3727	0.299	ng/ml
22)	Aroclor 1242 (3)	6.857	3733	0.661	ng/ml
23)	Aroclor 1242 (4)	6.937	2591	0.488	ng/ml
24)	Aroclor 1242 (5)	6.990	2363	0.387	ng/ml
25)	Aroclor 1242 (6)	7.103	2565	0.393	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.728	3727	0.528	ng/ml
28)	Aroclor 1248 (2)	6.937	2591	0.288	ng/ml
29)	Aroclor 1248 (3)	6.990	2363	0.283	ng/ml
30)	Aroclor 1248 (4)	7.103	2565	0.253	ng/ml
31)	Aroclor 1248 (5)	7.476	2454	0.190	ng/ml
32)	Aroclor 1248 (6)	7.638	11531	1.001	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	7.446	2048	0.159	ng/ml
35)	Aroclor 1254 (2)	7.638	11531	0.564	ng/ml
36)	Aroclor 1254 (3)	7.937	6240	0.282	ng/ml
37)	Aroclor 1254 (4)	8.160	6236	0.359	ng/ml
38)	Aroclor 1254 (5)	8.519	7128	0.431	ng/ml
39)	Aroclor 1254 (6)	8.715	5749	1.144	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	8.076	6338	0.380	ng/ml
42)	Aroclor 1260 (2)	8.288	7865	0.380	ng/ml
43)	Aroclor 1260 (3)	8.519	7128	0.342	ng/ml
44)	Aroclor 1260 (4)	8.995	4778	0.141	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 7:57
Operator : MJB / KAK
Sample : 0D13025-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.245	6816	0.344	ng/ml
46)	Aroclor 1260 (6)	9.792	5985	0.769	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.288	7865	0.483	ng/ml
49)	Aroclor 1262 (2)	8.583	7001	0.321	ng/ml
50)	Aroclor 1262 (3)	8.775	21757	1.212	ng/ml
51)	Aroclor 1262 (4)	8.995	4778	0.124	ng/ml
52)	Aroclor 1262 (5)	9.245	6816	0.292	ng/ml
53)	Aroclor 1262 (6)	9.792	5985	0.576	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.799	11462	1.181	ng/ml
56)	Aroclor 1268 (2)	9.245	6816	0.158	ng/ml
57)	Aroclor 1268 (3)	9.308	4915	0.139	ng/ml
58)	Aroclor 1268 (4)	9.515	306664	10.252	ng/ml
59)	Aroclor 1268 (5)	9.792	5985	0.500	ng/ml
60)	Aroclor 1268 (6)	10.133	585752	7.235	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

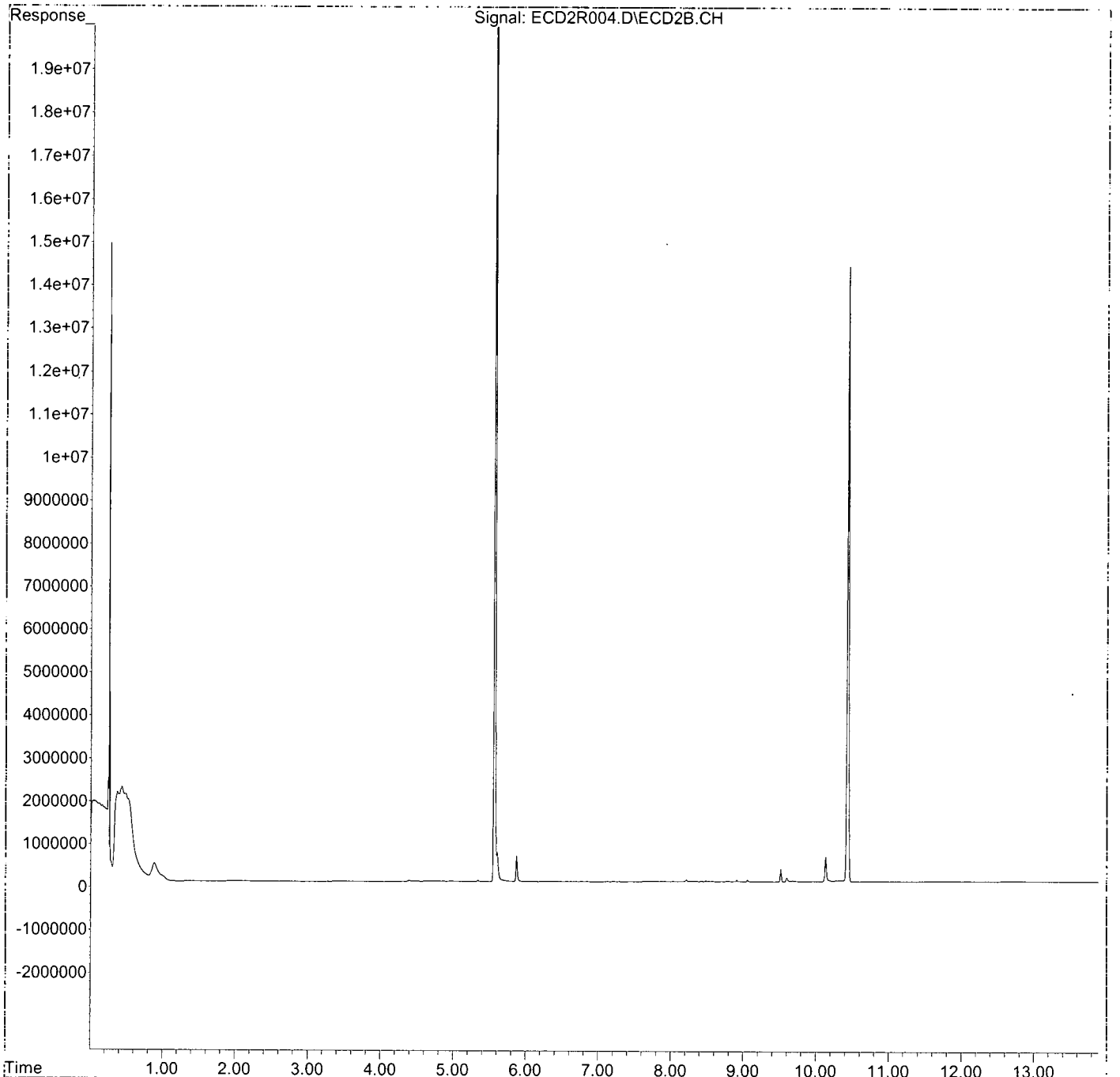
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 7:57
Operator : MJB / KAK
Sample : 0D13025-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 8:15
Operator : MJB / KAK
Sample : 0040376-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20

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

Clean

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S TCMX (S)	5.564	44306505	149.548 ng/ml
62)	S DCBP (S)	10.433	35020321	209.744 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.238	8143	0.853 ng/ml
3)	Aroclor 1016 (2)	6.726	13408	0.803 ng/ml
4)	Aroclor 1016 (3)	6.852	7984	1.033 ng/ml
5)	Aroclor 1016 (4)	6.939	7849	0.978 ng/ml
6)	Aroclor 1016 (5)	6.984	9449	1.088 ng/ml
7)	Aroclor 1016 (6)	7.108	9218	1.049 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10)	Aroclor 1221 (2)	5.827	8752	4.042 ng/ml
11)	Aroclor 1221 (3)	5.871	855836	118.488 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.871	855836	140.080 ng/ml
14)	Aroclor 1232 (2)	6.238	8143	2.179 ng/ml
15)	Aroclor 1232 (3)	6.726	13408	1.956 ng/ml
16)	Aroclor 1232 (4)	6.939	7849	3.108 ng/ml
17)	Aroclor 1232 (5)	6.984	9449	3.109 ng/ml
18)	Aroclor 1232 (6)	7.108	9218	2.877 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	6.238	8143	1.168 ng/ml
21)	Aroclor 1242 (2)	6.726	13408	1.074 ng/ml
22)	Aroclor 1242 (3)	6.852	7984	1.414 ng/ml
23)	Aroclor 1242 (4)	6.939	7849	1.477 ng/ml
24)	Aroclor 1242 (5)	6.984	9449	1.548 ng/ml
25)	Aroclor 1242 (6)	7.108	9218	1.414 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.726	13408	1.901 ng/ml
28)	Aroclor 1248 (2)	6.939	7849	0.873 ng/ml
29)	Aroclor 1248 (3)	6.984	9449	1.131 ng/ml
30)	Aroclor 1248 (4)	7.108	9218	0.908 ng/ml
31)	Aroclor 1248 (5)	7.474	4340	0.336 ng/ml
32)	Aroclor 1248 (6)	7.633	17977	1.560 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	7.451	8218	0.637 ng/ml
35)	Aroclor 1254 (2)	7.633	17977	0.879 ng/ml
36)	Aroclor 1254 (3)	7.941	9456	0.428 ng/ml
37)	Aroclor 1254 (4)	8.182	9948	0.573 ng/ml
38)	Aroclor 1254 (5)	8.515	16902	1.022 ng/ml
39)	Aroclor 1254 (6)	8.729	5724	1.139 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41)	Aroclor 1260 (1)	8.077	19404	1.163 ng/ml
42)	Aroclor 1260 (2)	8.283	22198	1.072 ng/ml
43)	Aroclor 1260 (3)	8.515	16902	0.812 ng/ml
44)	Aroclor 1260 (4)	8.994	14075	0.415 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 8:15
Operator : MJB / KAK
Sample : 0040376-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.245	14728	0.744 ng/ml
46)	Aroclor 1260 (6)	9.799	13643	1.753 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.283	22198	1.364 ng/ml
49)	Aroclor 1262 (2)	8.583	13168	0.603 ng/ml
50)	Aroclor 1262 (3)	8.759	11761	0.655 ng/ml
51)	Aroclor 1262 (4)	8.994	14075	0.364 ng/ml
52)	Aroclor 1262 (5)	9.245	14728	0.631 ng/ml
53)	Aroclor 1262 (6)	9.799	13643	1.312 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.800	6337	0.653 ng/ml
56)	Aroclor 1268 (2)	9.245	14728	0.342 ng/ml
57)	Aroclor 1268 (3)	9.305	8582	0.242 ng/ml
58)	Aroclor 1268 (4)	9.515	538457	18.001 ng/ml
59)	Aroclor 1268 (5)	9.799	13643	1.140 ng/ml
60)	Aroclor 1268 (6)	10.133	1238508	15.298 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

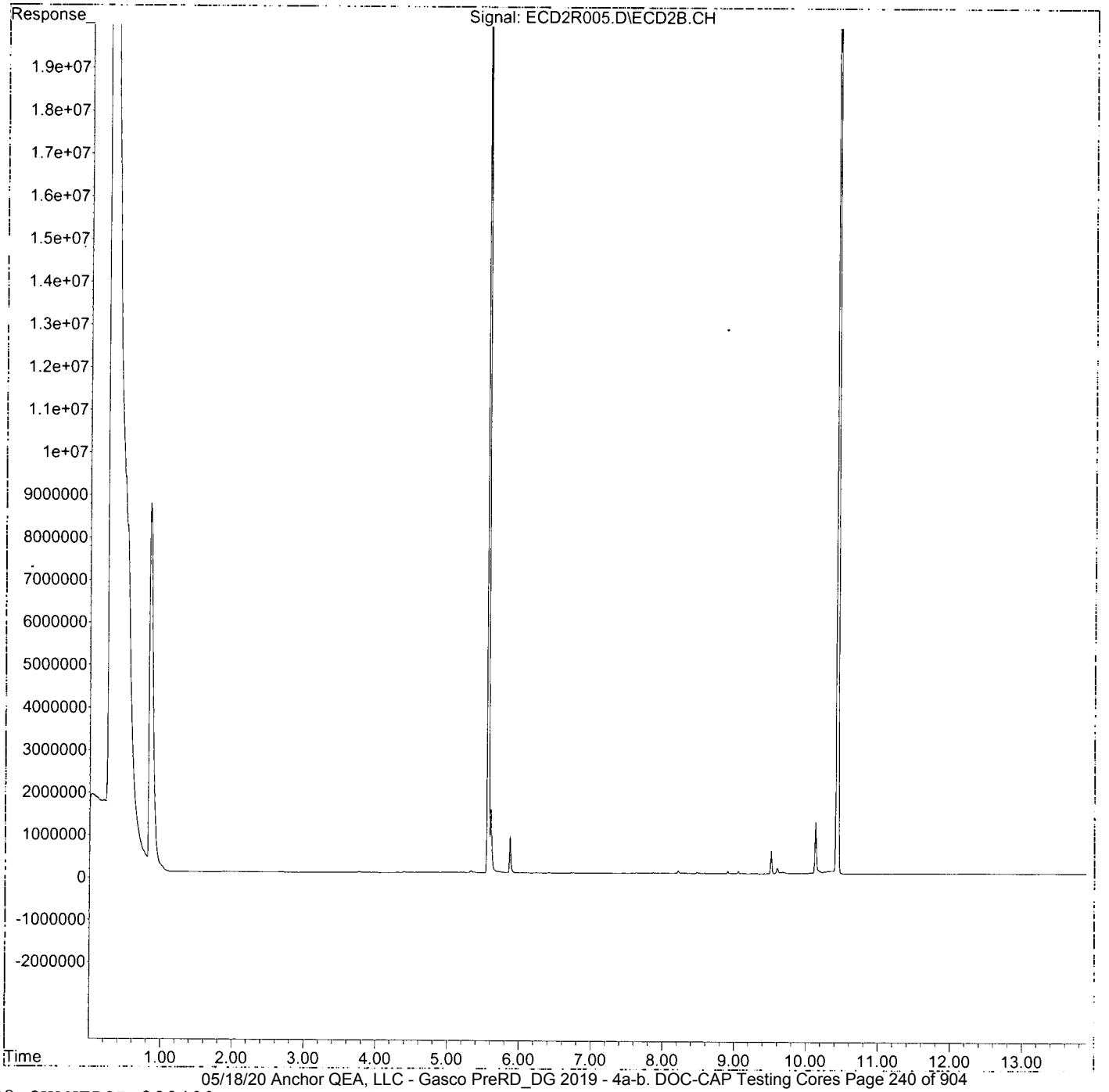
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 8:15
Operator : MJB / KAK
Sample : 0040376-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 8:32
Operator : MJB / KAK
Sample : 0040376-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:57 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20

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

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	TCMX (S)	5.564	37900672	127.926	ng/ml
62)	S	DCBP (S)	10.432	30288583	181.404	ng/ml
		Target Compounds				
2)		Aroclor 1016 (1)	6.236	5726352	599.905	ng/ml
3)		Aroclor 1016 (2)	6.726	11436009	684.625	ng/ml
4)		Aroclor 1016 (3)	6.851	4463555	577.551	ng/ml
5)		Aroclor 1016 (4)	6.939	5473564	682.212	ng/ml
6)		Aroclor 1016 (5)	6.983	5927940	682.629	ng/ml
7)		Aroclor 1016 (6)	7.108	5581690	635.157	ng/ml
8)		Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)		Aroclor 1221 (1)	5.726	431420	195.111	ng/ml
10)		Aroclor 1221 (2)	5.813	700859	323.715	ng/ml
11)		Aroclor 1221 (3)	5.901	3427697	474.553	ng/ml
12)		Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)		Aroclor 1232 (1)	5.901	3427697	561.032	ng/ml
14)		Aroclor 1232 (2)	6.236	5726352	1532.529	ng/ml
15)		Aroclor 1232 (3)	6.726	11436009	1667.988	ng/ml
16)		Aroclor 1232 (4)	6.939	5473564	2167.116	ng/ml
17)		Aroclor 1232 (5)	6.983	5927940	1950.647	ng/ml
18)		Aroclor 1232 (6)	7.108	5581690	1742.044	ng/ml
19)		Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)		Aroclor 1242 (1)	6.236	5726352	821.325	ng/ml
21)		Aroclor 1242 (2)	6.726	11436009	916.399	ng/ml
22)		Aroclor 1242 (3)	6.851	4463555	790.322	ng/ml
23)		Aroclor 1242 (4)	6.939	5473564	1029.736	ng/ml
24)		Aroclor 1242 (5)	6.983	5927940	970.905	ng/ml
25)		Aroclor 1242 (6)	7.108	5581690	856.375	ng/ml
26)		Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)		Aroclor 1248 (1)	6.726	11436009	1620.955	ng/ml
28)		Aroclor 1248 (2)	6.939	5473564	608.910	ng/ml
29)		Aroclor 1248 (3)	6.983	5927940	709.564	ng/ml
30)		Aroclor 1248 (4)	7.108	5581690	549.658	ng/ml
31)		Aroclor 1248 (5)	7.473	1360157	105.275	ng/ml
32)		Aroclor 1248 (6)	7.631	5727446	497.016	ng/ml
33)		Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)		Aroclor 1254 (1)	7.450	4329776	335.742	ng/ml
35)		Aroclor 1254 (2)	7.631	5727446	280.121	ng/ml
36)		Aroclor 1254 (3)	7.941	2862214	129.562	ng/ml
37)		Aroclor 1254 (4)	8.180	2220665	127.943	ng/ml
38)		Aroclor 1254 (5)	8.515	17874215	1080.310	ng/ml
39)		Aroclor 1254 (6)	8.731	2812930	559.672	ng/ml
40)		Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)		Aroclor 1260 (1)	8.077	14311748	857.794	ng/ml
42)		Aroclor 1260 (2)	8.283	18758483	905.474	ng/ml
43)		Aroclor 1260 (3)	8.515	17874215	858.783	ng/ml
44)		Aroclor 1260 (4)	8.995	35099418	1033.857	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 8:32
Operator : MJB / KAK
Sample : 0040376-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:57 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.246	18597874	939.672	ng/ml
46)	Aroclor 1260 (6)	9.795	7544782	969.260	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.283	18758483	1152.898	ng/ml
49)	Aroclor 1262 (2)	8.583	14005393	641.317	ng/ml
50)	Aroclor 1262 (3)	8.760	13545944	754.743	ng/ml
51)	Aroclor 1262 (4)	8.995	35099418	907.492	ng/ml
52)	Aroclor 1262 (5)	9.246	18597874	796.840	ng/ml
53)	Aroclor 1262 (6)	9.795	7544782	725.617	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.800	1004221	103.439	ng/ml
56)	Aroclor 1268 (2)	9.246	18597874	431.492	ng/ml
57)	Aroclor 1268 (3)	9.308	7680350	216.802	ng/ml
58)	Aroclor 1268 (4)	9.515	786705	26.300	ng/ml
59)	Aroclor 1268 (5)	9.795	7544782	630.255	ng/ml
60)	Aroclor 1268 (6)	10.132	2799152	34.576	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

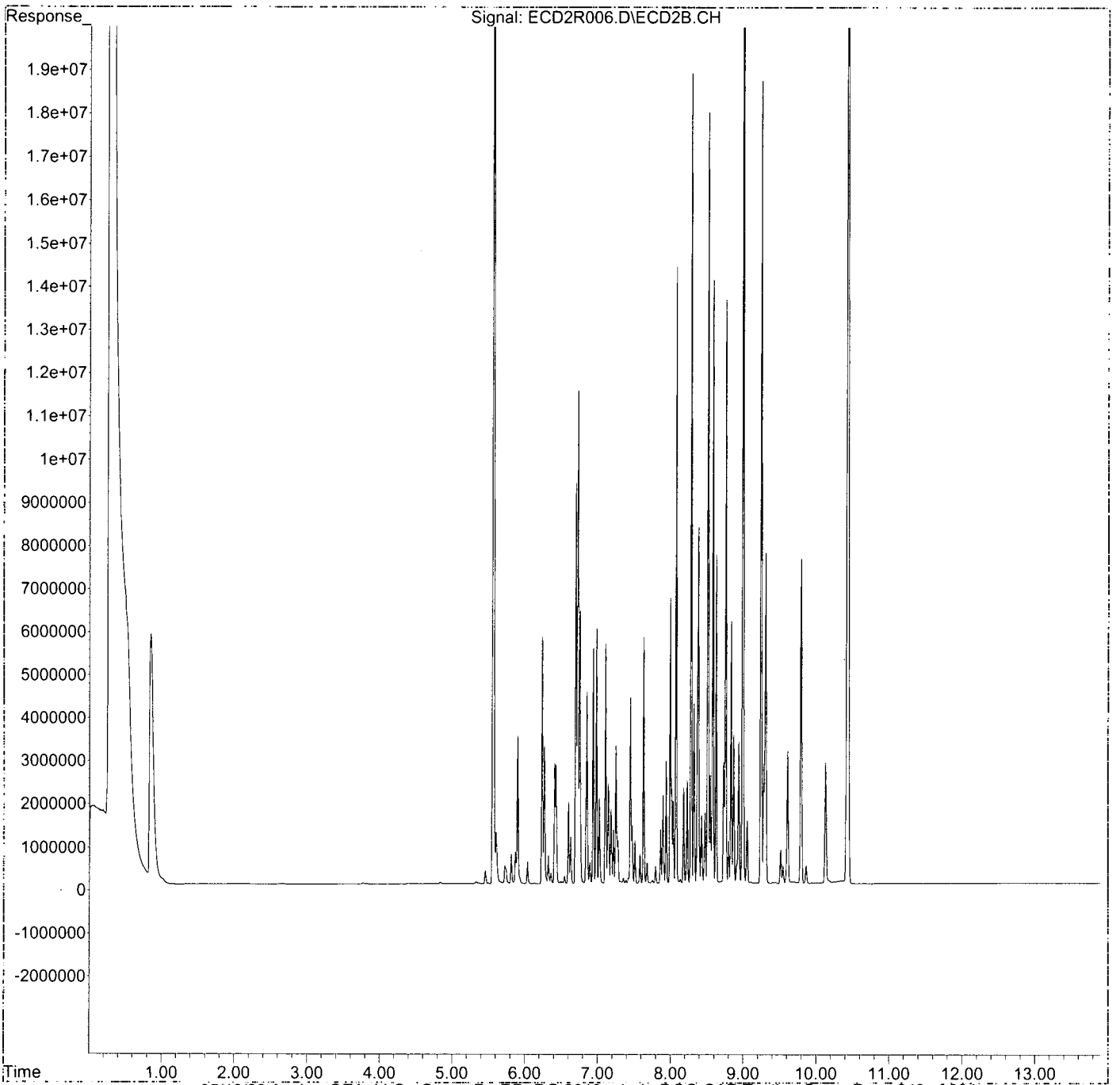
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 8:32
Operator : MJB / KAK
Sample : 0040376-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:15:57 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 10:35
Operator : MJB / KAK
Sample : 0040376-MSD1
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:17:36 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.564	49500812	167.080	ng/ml
62) S	DCBP (S)	10.431	34960470	209.385	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.236	6307959	660.835	ng/ml
3)	Aroclor 1016 (2)	6.725	12611883	755.019	ng/ml
4)	Aroclor 1016 (3)	6.851	4610263	596.534	ng/ml
5)	Aroclor 1016 (4)	6.938	6060349	755.348	ng/ml
6)	Aroclor 1016 (5)	6.983	6749911	777.282	ng/ml
7)	Aroclor 1016 (6)	7.108	5651080	643.054	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.739	396193	179.179	ng/ml
10)	Aroclor 1221 (2)	5.813	771496	356.341	ng/ml
11)	Aroclor 1221 (3)	5.900	3680509	509.554	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.900	3680509	602.412	ng/ml
14)	Aroclor 1232 (2)	6.236	6307959	1688.183	ng/ml
15)	Aroclor 1232 (3)	6.725	12611883	1839.494	ng/ml
16)	Aroclor 1232 (4)	6.938	6060349	2399.439	ng/ml
17)	Aroclor 1232 (5)	6.983	6749911	2221.125	ng/ml
18)	Aroclor 1232 (6)	7.108	5651080	1763.701	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	6.236	6307959	904.744	ng/ml
21)	Aroclor 1242 (2)	6.725	12611883	1010.625	ng/ml
22)	Aroclor 1242 (3)	6.851	4610263	816.298	ng/ml
23)	Aroclor 1242 (4)	6.938	6060349	1140.127	ng/ml
24)	Aroclor 1242 (5)	6.983	6749911	1105.531	ng/ml
25)	Aroclor 1242 (6)	7.108	5651080	867.021	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.725	12611883	1787.625	ng/ml
28)	Aroclor 1248 (2)	6.938	6060349	674.188	ng/ml
29)	Aroclor 1248 (3)	6.983	6749911	807.953	ng/ml
30)	Aroclor 1248 (4)	7.108	5651080	556.491	ng/ml
31)	Aroclor 1248 (5)	7.472	1441585	111.577	ng/ml
32)	Aroclor 1248 (6)	7.631	5933298	514.879	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	7.449	4501853	349.085	ng/ml
35)	Aroclor 1254 (2)	7.631	5933298	290.189	ng/ml
36)	Aroclor 1254 (3)	7.940	2875645	130.170	ng/ml
37)	Aroclor 1254 (4)	8.179	2281285	131.436	ng/ml
38)	Aroclor 1254 (5)	8.515	18335380	1108.183	ng/ml
39)	Aroclor 1254 (6)	8.730	2735156	544.198	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	8.077	14863270	890.850	ng/ml
42)	Aroclor 1260 (2)	8.283	18925176	913.520	ng/ml
43)	Aroclor 1260 (3)	8.515	18335380	880.940	ng/ml
44)	Aroclor 1260 (4)	8.994	33121169	975.587	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 10:35
Operator : MJB / KAK
Sample : 0040376-MSD1
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:17:36 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.245	17919031	905.373	ng/ml
46)	Aroclor 1260 (6)	9.793	7657710	983.767	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.283	18925176	1163.143	ng/ml
49)	Aroclor 1262 (2)	8.582	14547734	666.151	ng/ml
50)	Aroclor 1262 (3)	8.760	13686910	762.597	ng/ml
51)	Aroclor 1262 (4)	8.994	33121169	856.345	ng/ml
52)	Aroclor 1262 (5)	9.245	17919031	767.754	ng/ml
53)	Aroclor 1262 (6)	9.793	7657710	736.478	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.800	1005846	103.606	ng/ml
56)	Aroclor 1268 (2)	9.245	17919031	415.742	ng/ml
57)	Aroclor 1268 (3)	9.307	7514994	212.134	ng/ml
58)	Aroclor 1268 (4)	9.515	909284	30.397	ng/ml
59)	Aroclor 1268 (5)	9.793	7657710	639.688	ng/ml
60)	Aroclor 1268 (6)	10.131	2791161	34.477	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

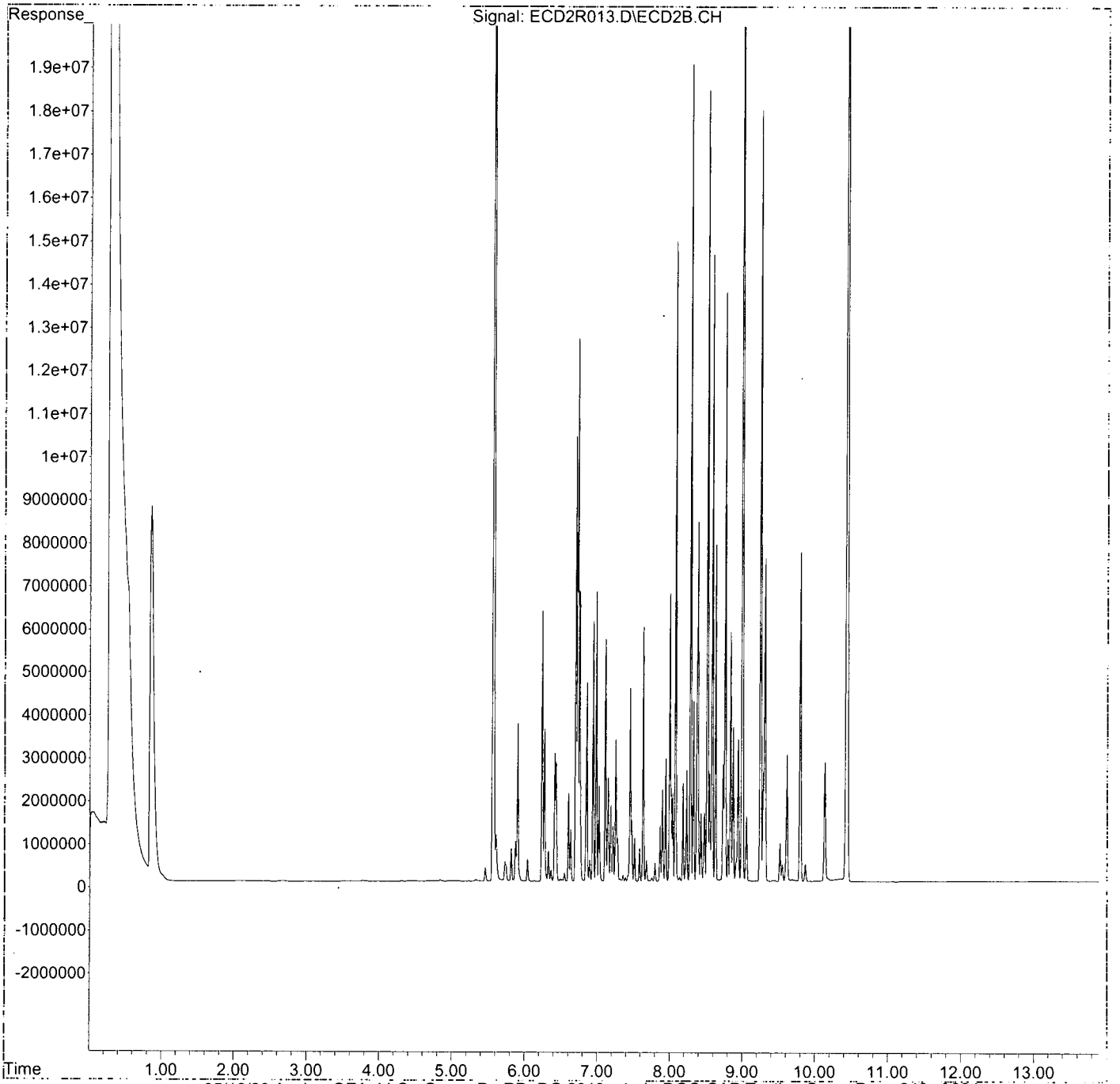
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 10:35
Operator : MJB / KAK
Sample : 0040376-MSD1
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:17:36 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 12:21
Operator : MJB / KAK
Sample : 0D13025-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:18:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.565	79711054	269.049	ng/ml
62)	S DCBP (S)	10.431	44603473	267.139	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.235	4532371	474.821	ng/ml
3)	Aroclor 1016 (2)	6.725	8628809	516.570	ng/ml
4)	Aroclor 1016 (3)	6.851	3934231	509.060	ng/ml
5)	Aroclor 1016 (4)	6.938	3861692	481.312	ng/ml
6)	Aroclor 1016 (5)	6.983	4208144	484.586	ng/ml
7)	Aroclor 1016 (6)	7.108	4256675	484.380	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.740	328917	148.754	ng/ml
10)	Aroclor 1221 (2)	5.813	621881	287.237	ng/ml
11)	Aroclor 1221 (3)	5.900	2813525	389.523	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.900	2813525	460.507	ng/ml
14)	Aroclor 1232 (2)	6.235	4532371	1212.987	ng/ml
15)	Aroclor 1232 (3)	6.725	8628809	1258.547	ng/ml
16)	Aroclor 1232 (4)	6.938	3861692	1528.937	ng/ml
17)	Aroclor 1232 (5)	6.983	4208144	1384.732	ng/ml
18)	Aroclor 1232 (6)	7.108	4256675	1328.508	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	6.235	4532371	650.073	ng/ml
21)	Aroclor 1242 (2)	6.725	8628809	691.450	ng/ml
22)	Aroclor 1242 (3)	6.851	3934231	696.599	ng/ml
23)	Aroclor 1242 (4)	6.938	3861692	726.496	ng/ml
24)	Aroclor 1242 (5)	6.983	4208144	689.229	ng/ml
25)	Aroclor 1242 (6)	7.108	4256675	653.083	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.725	8628809	1223.059	ng/ml
28)	Aroclor 1248 (2)	6.938	3861692	429.597	ng/ml
29)	Aroclor 1248 (3)	6.983	4208144	503.708	ng/ml
30)	Aroclor 1248 (4)	7.108	4256675	419.177	ng/ml
31)	Aroclor 1248 (5)	7.473	975993	75.541	ng/ml
32)	Aroclor 1248 (6)	7.631	3564020	309.278	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	7.450	3034732	235.321	ng/ml
35)	Aroclor 1254 (2)	7.631	3564020	174.311	ng/ml
36)	Aroclor 1254 (3)	7.941	2054181	92.985	ng/ml
37)	Aroclor 1254 (4)	8.180	1408990	81.179	ng/ml
38)	Aroclor 1254 (5)	8.514	10789345	652.103	ng/ml
39)	Aroclor 1254 (6)	8.730	1532098	304.832	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	8.077	8757137	524.871	ng/ml
42)	Aroclor 1260 (2)	8.282	10386997	501.381	ng/ml
43)	Aroclor 1260 (3)	8.514	10789345	518.384	ng/ml
44)	Aroclor 1260 (4)	8.994	18232628	537.044	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 12:21
Operator : MJB / KAK
Sample : 0D13025-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:18:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.245	10418100	526.383	ng/ml
46)	Aroclor 1260 (6)	9.794	4049073	520.174	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.282	10386997	638.386	ng/ml
49)	Aroclor 1262 (2)	8.582	7768779	355.738	ng/ml
50)	Aroclor 1262 (3)	8.760	7970599	444.100	ng/ml
51)	Aroclor 1262 (4)	8.994	18232628	471.403	ng/ml
52)	Aroclor 1262 (5)	9.245	10418100	446.371	ng/ml
53)	Aroclor 1262 (6)	9.794	4049073	389.418	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.800	569530	58.664	ng/ml
56)	Aroclor 1268 (2)	9.245	10418100	241.712	ng/ml
57)	Aroclor 1268 (3)	9.308	4236985	119.602	ng/ml
58)	Aroclor 1268 (4)	9.514	355339	11.879	ng/ml
59)	Aroclor 1268 (5)	9.794	4049073	338.240	ng/ml
60)	Aroclor 1268 (6)	10.131	1050557	12.977	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

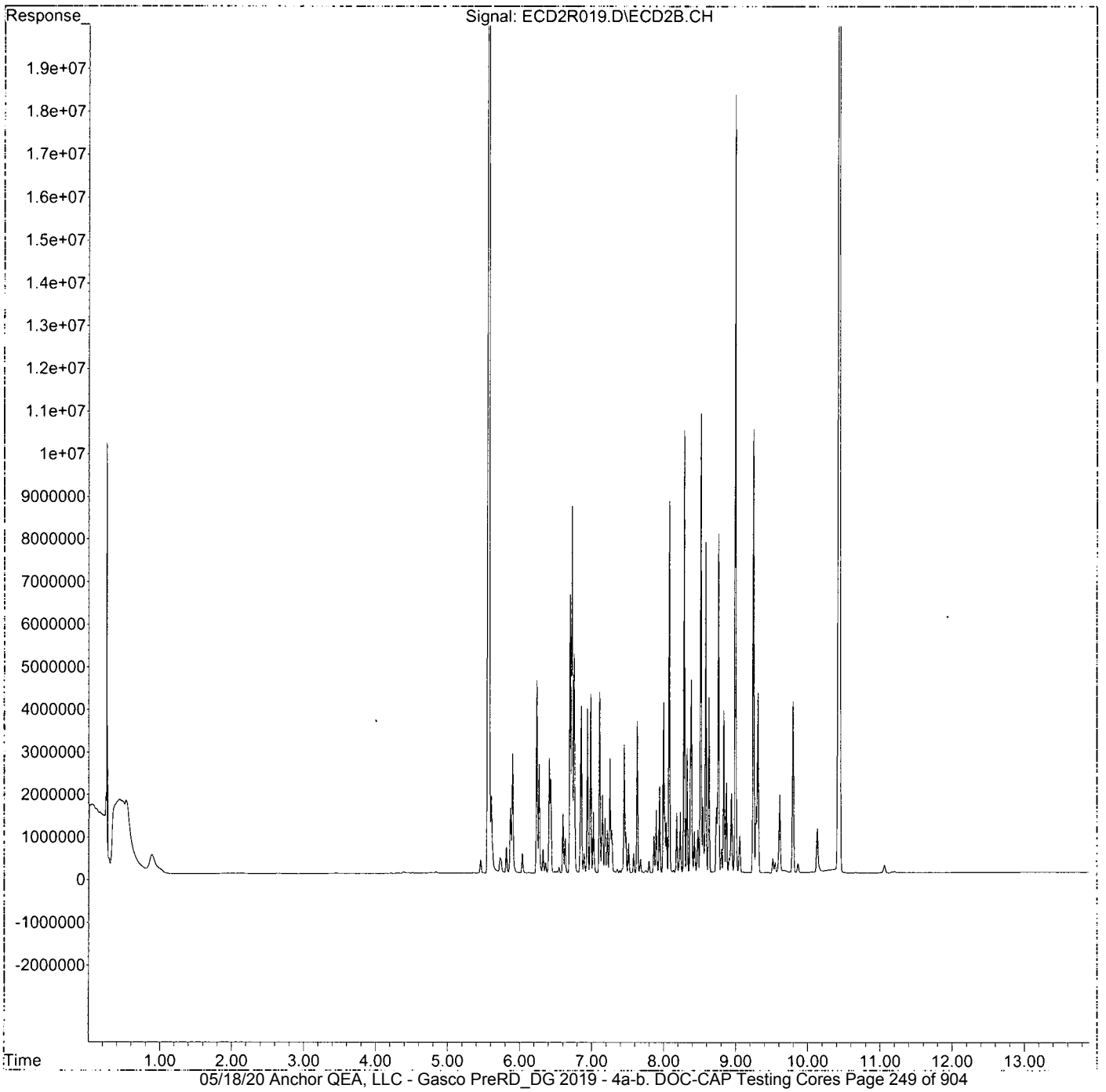
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 12:21
Operator : MJB / KAK
Sample : 0D13025-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:18:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 12:38
Operator : MJB / KAK
Sample : 0D13025-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:19:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20
clear

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S TCMX (S)	5.562	30005849	101.279 ng/ml
62)	S DCBP (S)	10.430	15146958	90.718 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.240	5035	0.528 ng/ml
3)	Aroclor 1016 (2)	6.740	7423	0.444 ng/ml
4)	Aroclor 1016 (3)	6.860	7552	0.977 ng/ml
5)	Aroclor 1016 (4)	6.939	6151	0.767 ng/ml
6)	Aroclor 1016 (5)	6.986	5946	0.685 ng/ml
7)	Aroclor 1016 (6)	7.111	7150	0.814 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.759	15647	7.076 ng/ml
10)	Aroclor 1221 (2)	5.828	8399	3.879 ng/ml
11)	Aroclor 1221 (3)	5.871	616294	85.324 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.871	616294	100.873 ng/ml
14)	Aroclor 1232 (2)	6.240	5035	1.348 ng/ml
15)	Aroclor 1232 (3)	6.740	7423	1.083 ng/ml
16)	Aroclor 1232 (4)	6.939	6151	2.435 ng/ml
17)	Aroclor 1232 (5)	6.986	5946	1.957 ng/ml
18)	Aroclor 1232 (6)	7.111	7150	2.231 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	6.240	5035	0.722 ng/ml
21)	Aroclor 1242 (2)	6.740	7423	0.595 ng/ml
22)	Aroclor 1242 (3)	6.860	7552	1.337 ng/ml
23)	Aroclor 1242 (4)	6.939	6151	1.157 ng/ml
24)	Aroclor 1242 (5)	6.986	5946	0.974 ng/ml
25)	Aroclor 1242 (6)	7.111	7150	1.097 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.740	7423	1.052 ng/ml
28)	Aroclor 1248 (2)	6.939	6151	0.684 ng/ml
29)	Aroclor 1248 (3)	6.986	5946	0.712 ng/ml
30)	Aroclor 1248 (4)	7.111	7150	0.704 ng/ml
31)	Aroclor 1248 (5)	7.475	5988	0.463 ng/ml
32)	Aroclor 1248 (6)	7.645	16452	1.428 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	7.446	6281	0.487 ng/ml
35)	Aroclor 1254 (2)	7.645	16452	0.805 ng/ml
36)	Aroclor 1254 (3)	7.946	9050	0.410 ng/ml
37)	Aroclor 1254 (4)	8.181	10636	0.613 ng/ml
38)	Aroclor 1254 (5)	8.513	8285	0.501 ng/ml
39)	Aroclor 1254 (6)	8.739	3734	0.743 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41)	Aroclor 1260 (1)	8.079	8975	0.538 ng/ml
42)	Aroclor 1260 (2)	8.286	9766	0.471 ng/ml
43)	Aroclor 1260 (3)	8.513	8285	0.398 ng/ml
44)	Aroclor 1260 (4)	8.992	5388	0.159 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 12:38
Operator : MJB / KAK
Sample : 0D13025-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:19:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.244	9362	0.473	ng/ml
46)	Aroclor 1260 (6)	9.794	6474	0.832	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.286	9766	0.600	ng/ml
49)	Aroclor 1262 (2)	8.576	7709	0.353	ng/ml
50)	Aroclor 1262 (3)	8.775	21594	1.203	ng/ml
51)	Aroclor 1262 (4)	8.992	5388	0.139	ng/ml
52)	Aroclor 1262 (5)	9.244	9362	0.401	ng/ml
53)	Aroclor 1262 (6)	9.794	6474	0.623	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.827	7006	0.722	ng/ml
56)	Aroclor 1268 (2)	9.244	9362	0.217	ng/ml
57)	Aroclor 1268 (3)	9.308	6938	0.196	ng/ml
58)	Aroclor 1268 (4)	9.514	342513	11.450	ng/ml
59)	Aroclor 1268 (5)	9.794	6474	0.541	ng/ml
60)	Aroclor 1268 (6)	10.131	637042	7.869	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

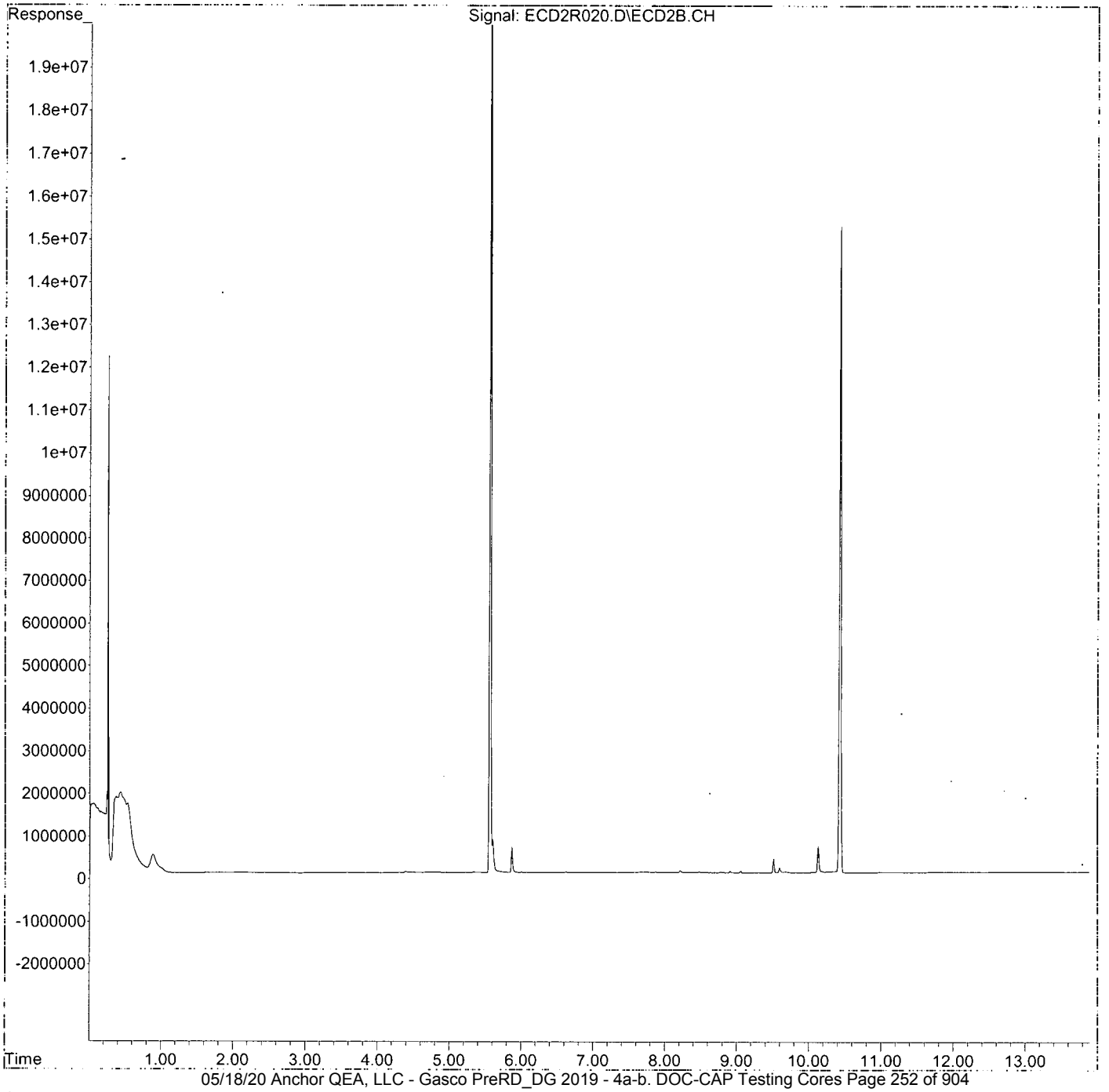
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 12:38
Operator : MJB / KAK
Sample : 0D13025-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 13 13:19:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R037.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:38
Operator : MJB / KAK
Sample : 0D13025-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:51:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/20/20

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

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	TCMX (S)	5.563	75895835	256.171	ng/ml
62)	S	DCBP (S)	10.431	40900635	244.962	ng/ml
		Target Compounds				
2)		Aroclor 1016 (1)	6.234	4245143	444.730	ng/ml
3)		Aroclor 1016 (2)	6.724	7764124	464.805	ng/ml
4)		Aroclor 1016 (3)	6.851	3599842	465.793	ng/ml
5)		Aroclor 1016 (4)	6.938	3430953	427.626	ng/ml
6)		Aroclor 1016 (5)	6.982	3763967	433.437	ng/ml
7)		Aroclor 1016 (6)	7.107	3741651	425.774	ng/ml
8)		Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)		Aroclor 1221 (1)	5.739	290750	131.492	ng/ml
10)		Aroclor 1221 (2)	5.812	552055	254.985	ng/ml
11)		Aroclor 1221 (3)	5.899	2617434	362.375	ng/ml
12)		Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)		Aroclor 1232 (1)	5.899	2617434	428.412	ng/ml
14)		Aroclor 1232 (2)	6.234	4245143	1136.117	ng/ml
15)		Aroclor 1232 (3)	6.724	7764124	1132.429	ng/ml
16)		Aroclor 1232 (4)	6.938	3430953	1358.397	ng/ml
17)		Aroclor 1232 (5)	6.982	3763967	1238.570	ng/ml
18)		Aroclor 1232 (6)	7.107	3741651	1167.769	ng/ml
19)		Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)		Aroclor 1242 (1)	6.234	4245143	608.876	ng/ml
21)		Aroclor 1242 (2)	6.724	7764124	622.161	ng/ml
22)		Aroclor 1242 (3)	6.851	3599842	637.392	ng/ml
23)		Aroclor 1242 (4)	6.938	3430953	645.462	ng/ml
24)		Aroclor 1242 (5)	6.982	3763967	616.480	ng/ml
25)		Aroclor 1242 (6)	7.107	3741651	574.066	ng/ml
26)		Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)		Aroclor 1248 (1)	6.724	7764124	1100.497	ng/ml
28)		Aroclor 1248 (2)	6.938	3430953	381.679	ng/ml
29)		Aroclor 1248 (3)	6.982	3763967	450.540	ng/ml
30)		Aroclor 1248 (4)	7.107	3741651	368.460	ng/ml
31)		Aroclor 1248 (5)	7.472	827968	64.084	ng/ml
32)		Aroclor 1248 (6)	7.630	2986855	259.193	ng/ml
33)		Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)		Aroclor 1254 (1)	7.449	2534738	196.550	ng/ml
35)		Aroclor 1254 (2)	7.630	2986855	146.083	ng/ml
36)		Aroclor 1254 (3)	7.940	1747179	79.088	ng/ml
37)		Aroclor 1254 (4)	8.179	1180699	68.026	ng/ml
38)		Aroclor 1254 (5)	8.513	9220791	557.301	ng/ml
39)		Aroclor 1254 (6)	8.730	1297878	258.231	ng/ml
40)		Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)		Aroclor 1260 (1)	8.075	7437584	445.781	ng/ml
42)		Aroclor 1260 (2)	8.283	9002535	434.553	ng/ml
43)		Aroclor 1260 (3)	8.513	9220791	443.021	ng/ml
44)		Aroclor 1260 (4)	8.994	15303632	450.770	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R037.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:38
Operator : MJB / KAK
Sample : 0D13025-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:51:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.244	8953893	452.402	ng/ml
46)	Aroclor 1260 (6)	9.793	3427157	440.279	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.283	9002535	553.296	ng/ml
49)	Aroclor 1262 (2)	8.582	6694214	306.533	ng/ml
50)	Aroclor 1262 (3)	8.758	6664156	371.309	ng/ml
51)	Aroclor 1262 (4)	8.994	15303632	395.674	ng/ml
52)	Aroclor 1262 (5)	9.244	8953893	383.636	ng/ml
53)	Aroclor 1262 (6)	9.793	3427157	329.606	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.799	453784	46.741	ng/ml
56)	Aroclor 1268 (2)	9.244	8953893	207.740	ng/ml
57)	Aroclor 1268 (3)	9.306	3409380	96.240	ng/ml
58)	Aroclor 1268 (4)	9.514	293835	9.823	ng/ml
59)	Aroclor 1268 (5)	9.793	3427157	286.288	ng/ml
60)	Aroclor 1268 (6)	10.130	853935	10.548	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

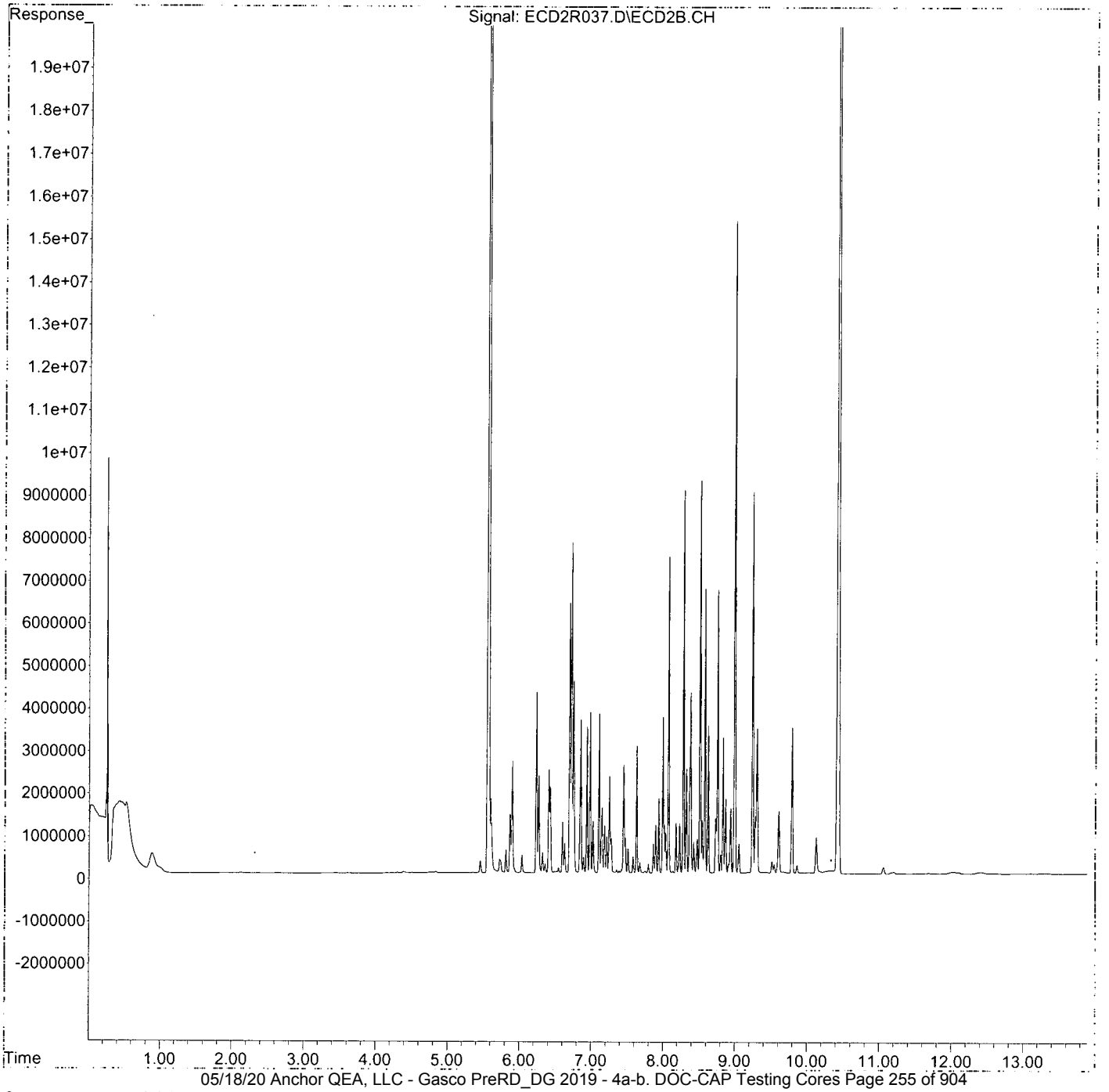
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R037.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:38
Operator : MJB / KAK
Sample : 0D13025-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:51:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R038.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:56
Operator : MJB / KAK
Sample : 0D13025-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:51:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/20/20

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

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	TCMX (S)	5.562	28684090	96.817	ng/ml
62)	S	DCBP (S)	10.431	13706476	82.091	ng/ml
		Target Compounds				
2)		Aroclor 1016 (1)	6.242	7302	0.765	ng/ml
3)		Aroclor 1016 (2)	6.724	12348	0.739	ng/ml
4)		Aroclor 1016 (3)	6.852	12175	1.575	ng/ml
5)		Aroclor 1016 (4)	6.940	11322	1.411	ng/ml
6)		Aroclor 1016 (5)	6.984	11864	1.366	ng/ml
7)		Aroclor 1016 (6)	7.109	12373	1.408	ng/ml
8)		Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)		Aroclor 1221 (1)	5.752	18115	8.192	ng/ml
10)		Aroclor 1221 (2)	5.816	10303	4.759	ng/ml
11)		Aroclor 1221 (3)	5.870	560101	77.544	ng/ml
12)		Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)		Aroclor 1232 (1)	5.870	560101	91.675	ng/ml
14)		Aroclor 1232 (2)	6.242	7302	1.954	ng/ml
15)		Aroclor 1232 (3)	6.724	12348	1.801	ng/ml
16)		Aroclor 1232 (4)	6.940	11322	4.483	ng/ml
17)		Aroclor 1232 (5)	6.984	11864	3.904	ng/ml
18)		Aroclor 1232 (6)	7.109	12373	3.862	ng/ml
19)		Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)		Aroclor 1242 (1)	6.242	7302	1.047	ng/ml
21)		Aroclor 1242 (2)	6.724	12348	0.989	ng/ml
22)		Aroclor 1242 (3)	6.852	12175	2.156	ng/ml
23)		Aroclor 1242 (4)	6.940	11322	2.130	ng/ml
24)		Aroclor 1242 (5)	6.984	11864	1.943	ng/ml
25)		Aroclor 1242 (6)	7.109	12373	1.898	ng/ml
26)		Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)		Aroclor 1248 (1)	6.724	12348	1.750	ng/ml
28)		Aroclor 1248 (2)	6.940	11322	1.260	ng/ml
29)		Aroclor 1248 (3)	6.984	11864	1.420	ng/ml
30)		Aroclor 1248 (4)	7.109	12373	1.218	ng/ml
31)		Aroclor 1248 (5)	7.474	10736	0.831	ng/ml
32)		Aroclor 1248 (6)	7.643	16153	1.402	ng/ml
33)		Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)		Aroclor 1254 (1)	7.453	10800	0.837	ng/ml
35)		Aroclor 1254 (2)	7.643	16153	0.790	ng/ml
36)		Aroclor 1254 (3)	7.936	11452	0.518	ng/ml
37)		Aroclor 1254 (4)	8.166	8181	0.471	ng/ml
38)		Aroclor 1254 (5)	8.507	5229	0.316	ng/ml
39)		Aroclor 1254 (6)	8.741	4042	0.804	ng/ml
40)		Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)		Aroclor 1260 (1)	8.077	8598	0.515	ng/ml
42)		Aroclor 1260 (2)	8.282	7997	0.386	ng/ml
43)		Aroclor 1260 (3)	8.522	4118	0.198	ng/ml
44)		Aroclor 1260 (4)	9.002	12810	0.377	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R038.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:56
Operator : MJB / KAK
Sample : 0D13025-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:51:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.291f	3325	0.168 ng/ml
46)	Aroclor 1260 (6)	9.798	4242	0.545 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.282	7997	0.491 ng/ml
49)	Aroclor 1262 (2)	8.588	3406	0.156 ng/ml
50)	Aroclor 1262 (3)	8.777	15781	0.879 ng/ml
51)	Aroclor 1262 (4)	9.002	12810	0.331 ng/ml
52)	Aroclor 1262 (5)	9.291f	3325	0.142 ng/ml
53)	Aroclor 1262 (6)	9.798	4242	0.408 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.817	8507	0.876 ng/ml
56)	Aroclor 1268 (2)	9.291f	3325	0.077 ng/ml
57)	Aroclor 1268 (3)	9.305	4267	0.120 ng/ml
58)	Aroclor 1268 (4)	9.515	264876	8.855 ng/ml
59)	Aroclor 1268 (5)	9.798	4242	0.354 ng/ml
60)	Aroclor 1268 (6)	10.131	536456	6.626 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

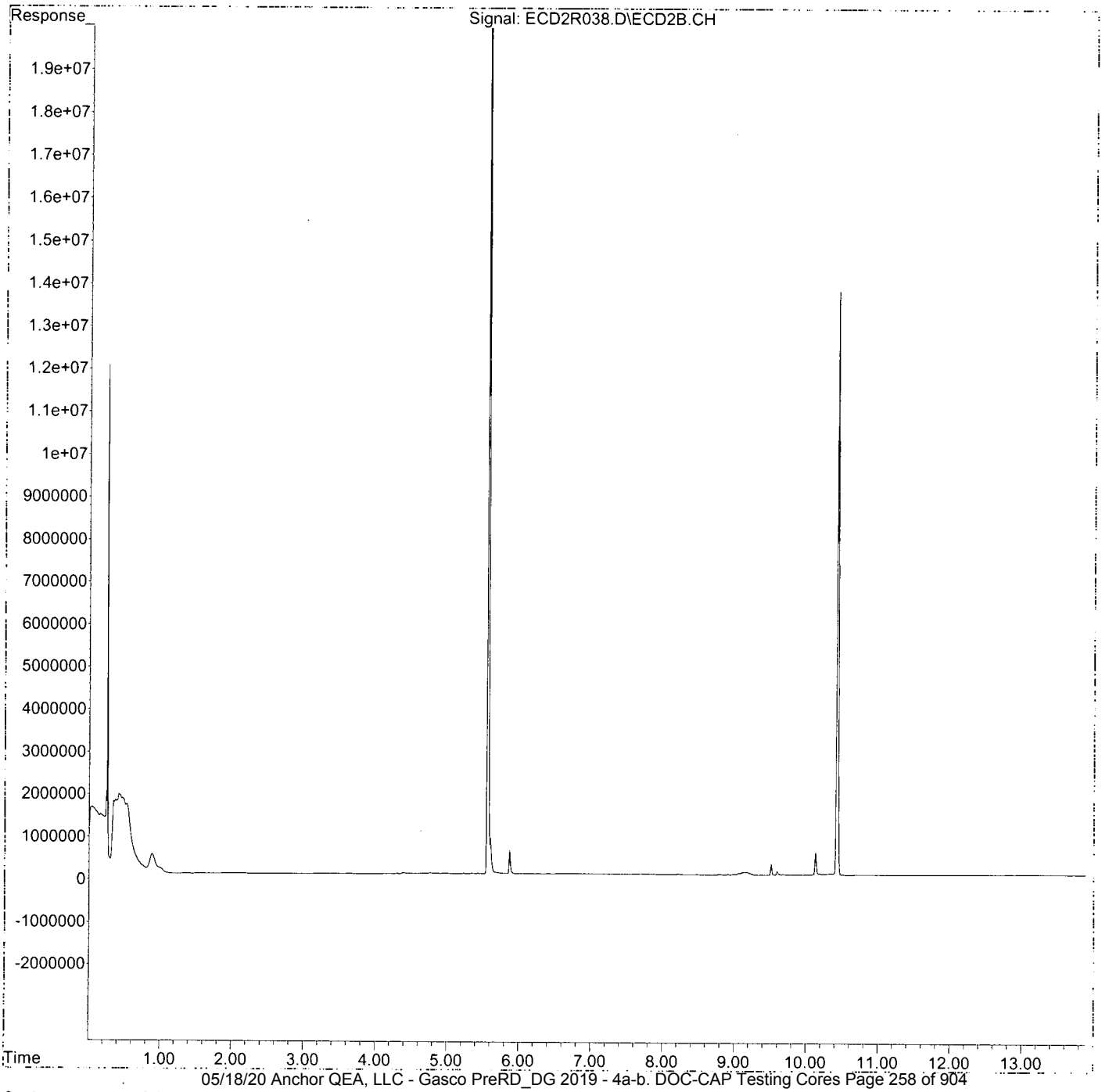
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D13025\
Data File : ECD2R038.D
Signal(s) : ECD2B.CH
Acq On : 13 Apr 2020 17:56
Operator : MJB / KAK
Sample : 0D13025-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 14 07:51:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Polychlorinated Biphenyls by EPA 8082A
Calibration Data

Sequence 0D10012 (Cal ID A0D1302) DUALECD2F

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0D10012	Instrument:	DUALECD2F
Date:	04/10/20 06:32	Calibration:	A0D1302

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D10012-ICB1	Water	QC	QC				A20C404
2	0D10012-CAL1	Water	QC	QC				A19L280
3	0D10012-CAL2	Water	QC	QC				A19L281
4	0D10012-CAL3	Water	QC	QC				A19L282
5	0D10012-CAL4	Water	QC	QC				A19L283
6	0D10012-CAL5	Water	QC	QC				A19L276
7	0D10012-CAL6	Water	QC	QC				A19L278
8	0D10012-CAL7	Water	QC	QC				A19L279
9	0D10012-IBL1	Water	QC	QC				
10	0D10012-ICV1	Water	QC	QC				A20B355
11	0D10012-CAL8	Water	QC	QC				A20C117
12	0D10012-CAL9	Water	QC	QC				A20B322
13	0D10012-CALA	Water	QC	QC				A20B323
14	0D10012-CALB	Water	QC	QC				A20B324
15	0D10012-CALC	Water	QC	QC				A20B325
16	0D10012-CALD	Water	QC	QC				A20B326
17	0D10012-CALE	Water	QC	QC				A20B327
18	0D10012-ICV2	Water	QC	QC				A20B353
19	0D10012-ICV3	Water	QC	QC				A19J367
20	0D10012-ICV4	Water	QC	QC				A20B354
21	0D10012-ICV5	Water	QC	QC				A20B130

Comments:

Data Entered By: 4/13/20

Data Reviewed By: 4/13/20

Calibration Status Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_2004010.M
Title : PCB Data Analysis
Last Update : Mon Apr 13 08:40:31 2020
Response Via : Initial Calibration

A0D1302
4/13/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0D10012\ECD2F006.D
2	2	25	0	K:\DATA\0D10012\ECD2F007.D
3	3	50	0	K:\DATA\0D10012\ECD2F008.D
4	4	100	0	K:\DATA\0D10012\ECD2F009.D
5	5	250	0	K:\DATA\0D10012\ECD2F021.D
6	6	500	0	K:\DATA\0D10012\ECD2F011.D
7	7	800	0	K:\DATA\0D10012\ECD2F012.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 13 08:37 2020	Apr 13 08:00 2020	10 Apr 2020 2:22 pm
2	2	Apr 13 08:38 2020	Apr 13 08:01 2020	10 Apr 2020 2:40 pm
3	3	Apr 13 08:38 2020	Apr 13 08:03 2020	10 Apr 2020 2:57 pm
4	4	Apr 13 08:38 2020	Apr 13 08:04 2020	10 Apr 2020 3:15 pm
5	5	Apr 13 08:40 2020	Apr 13 08:24 2020	10 Apr 2020 6:47 pm
6	6	Apr 13 08:38 2020	Apr 13 08:07 2020	10 Apr 2020 3:50 pm
7	7	Apr 13 08:39 2020	Apr 13 08:09 2020	10 Apr 2020 4:08 pm

FECD2_QUANTPCB_2004010.M Mon Apr 13 09:31:50 2020

Response Factor Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_2004010.M
Title : PCB Data Analysis
Last Update : Mon Apr 13 08:40:31 2020
Response Via : Initial Calibration

4/13/20

Calibration Files
1 =ECD2F006.D 2 =ECD2F007.D 3 =ECD2F008.D
4 =ECD2F009.D 5 =ECD2F021.D 6 =ECD2F011.D

		Compound	1	2	3	4	5	6	Avg		%RSD
1)	S	TCMX (S)	6.530	6.983	7.022	7.398	7.135	8.641	7.615	E4	14.37
2)		Aroclor 1016 ...	5.636	5.316	4.797	4.596	4.344	4.294	4.760	E3	11.09
3)		Aroclor 1016 ...	1.084	1.075	0.997	0.995	0.997	1.005	1.029	E4	3.83
4)		Aroclor 1016 ...	6.053	5.935	5.436	5.048	4.974	4.831	5.339	E3	9.09
5)		Aroclor 1016 ...	5.690	5.365	4.798	4.587	4.462	4.348	4.824	E3	10.54
6)		Aroclor 1016 ...	6.871	6.250	5.657	5.389	5.395	5.044	5.661	E3	11.94
7)		Aroclor 1016 (6)	4.898	4.470	4.086	3.910	3.760	3.670	4.074	E3	11.19
8)		Aroclor 1016 ...							0.000		-1.00
9)		Aroclor 1221 (1)					1.450		1.450	E3	0.00
10)		Aroclor 1221 (2)					9.775		9.775	E2	0.00
11)		Aroclor 1221 (3)					3.169		3.169	E3	0.00
12)		Aroclor 1221 ...							0.000		-1.00
13)		Aroclor 1232 (1)					2.595		2.595	E3	0.00
14)		Aroclor 1232 (2)					4.240		4.240	E3	0.00
15)		Aroclor 1232 (3)					2.223		2.223	E3	0.00
16)		Aroclor 1232 (4)					1.646		1.646	E3	0.00
17)		Aroclor 1232 (5)					2.156		2.156	E3	0.00
18)		Aroclor 1232 (6)					1.752		1.752	E3	0.00
19)		Aroclor 1232 ...							0.000		-1.00
20)		Aroclor 1242 ...					3.638		3.638	E3	0.00
21)		Aroclor 1242 ...					7.949		7.949	E3	0.00
22)		Aroclor 1242 ...					4.000		4.000	E3	0.00
23)		Aroclor 1242 ...					3.321		3.321	E3	0.00
24)		Aroclor 1242 ...					4.323		4.323	E3	0.00
25)		Aroclor 1242 (6)					3.604		3.604	E3	0.00
26)		Aroclor 1242 ...							0.000		-1.00
27)		Aroclor 1248 ...					4.896		4.896	E3	0.00
28)		Aroclor 1248 ...					5.992		5.992	E3	0.00
29)		Aroclor 1248 ...					6.725		6.725	E3	0.00
30)		Aroclor 1248 ...					8.221		8.221	E3	0.00
31)		Aroclor 1248 ...					7.881		7.881	E3	0.00
32)		Aroclor 1248 (6)					4.551		4.551	E3	0.00
33)		Aroclor 1248 ...							0.000		-1.00
34)		Aroclor 1254 ...					8.689		8.689	E3	0.00
35)		Aroclor 1254 ...					1.124		1.124	E4	0.00
36)		Aroclor 1254 ...					1.681		1.681	E4	0.00
37)		Aroclor 1254 ...					1.068		1.068	E4	0.00
38)		Aroclor 1254 ...					1.175		1.175	E4	0.00
39)		Aroclor 1254 (6)					3.770		3.770	E3	0.00
40)		Aroclor 1254 ...							0.000		-1.00
41)		Aroclor 1260 ...	1.293	1.179	1.098	1.071	1.062	1.070	1.122	E4	7.59
42)		Aroclor 1260 ...	1.532	1.460	1.427	1.405	1.365	1.333	1.414	E4	4.74
43)		Aroclor 1260 (3)	1.220	1.121	1.056	1.017	0.984	1.020	1.060	E4	7.84
44)		Aroclor 1260 (4)	2.661	2.617	2.551	2.535	2.581	2.594	2.609	E4	2.54
45)		Aroclor 1260 (5)	1.809	1.701	1.683	1.684	1.645	1.675	1.693	E4	3.23
46)		Aroclor 1260 (6)	7.977	7.418	6.766	6.750	6.639	6.590	7.007	E3	7.26
47)		Aroclor 1260 ...							0.000		-1.00
48)		Aroclor 1262 (1)					1.105		1.105	E4	0.00
49)		Aroclor 1262 (2)					1.518		1.518	E4	0.00
50)		Aroclor 1262 (3)					1.317		1.317	E4	0.00
51)		Aroclor 1262 (4)					2.942		2.942	E4	0.00
52)		Aroclor 1262 (5)					1.813		1.813	E4	0.00
53)		Aroclor 1262 (6)					9.658		9.658	E3	0.00
54)		Aroclor 1262 ...							0.000		-1.00
55)		Aroclor 1268 (1)					7.100		7.100	E3	0.00
56)		Aroclor 1268 (2)					3.482		3.482	E4	0.00
57)		Aroclor 1268 (3)					2.894		2.894	E4	0.00
58)		Aroclor 1268 (4)					2.566		2.566	E4	0.00
59)		Aroclor 1268 (5)					1.087		1.087	E4	0.00
60)		Aroclor 1268 (6)					7.834		7.834	E4	0.00

Response Factor Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_2004010.M
Title : PCB Data Analysis
Last Update : Mon Apr 13 08:40:31 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD2F006.D 2 =ECD2F007.D 3 =ECD2F008.D
4 =ECD2F009.D 5 =ECD2F021.D 6 =ECD2F011.D

	Compound	1	2	3	4	5	6	Avg	%RSD
61)	Aroclor 1268 ...							0.000	-1.00
62) S	DCBP (S)	1.479	1.524	1.500	1.529	1.415	1.571	1.521 E5	4.46

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

Compound List Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_2004010.M
Title : PCB Data Analysis
Last Update : Mon Apr 13 08:40:31 2020
Response Via : Initial Calibration

4/13/20

Total Cpnds : 62

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	4.741	1.000	A	H	L
2		Aroclor 1016 (1)	5.659	1.000	A	H	R
3		Aroclor 1016 (2)	6.071	1.000	A	H	R
4		Aroclor 1016 (3)	6.153	1.000	A	H	R
5		Aroclor 1016 (4)	6.311	1.000	A	H	R
6		Aroclor 1016 (5)	6.532	1.000	A	H	R
7		Aroclor 1016 (6)	6.658	1.000	A	H	R
8		Aroclor 1016 - AVE	0.708	1.000	A	H	R
9		Aroclor 1221 (1)	5.098	1.000	A	H	R
10		Aroclor 1221 (2)	5.216	1.000	A	H	R
11		Aroclor 1221 (3)	5.297	1.000	A	H	R
12		Aroclor 1221 - AVE	0.708	1.000	A	H	R
13		Aroclor 1232 (1)	5.297	1.000	A	H	R
14		Aroclor 1232 (2)	6.072	1.000	A	H	R
15		Aroclor 1232 (3)	6.154	1.000	A	H	R
16		Aroclor 1232 (4)	6.311	1.000	A	H	R
17		Aroclor 1232 (5)	6.533	1.000	A	H	R
18		Aroclor 1232 (6)	6.658	1.000	A	H	R
19		Aroclor 1232 - AVE	0.708	1.000	A	H	R
20		Aroclor 1242 (1)	5.659	1.000	A	H	R
21		Aroclor 1242 (2)	6.071	1.000	A	H	R
22		Aroclor 1242 (3)	6.153	1.000	A	H	R
23		Aroclor 1242 (4)	6.310	1.000	A	H	R
24		Aroclor 1242 (5)	6.532	1.000	A	H	R
25		Aroclor 1242 (6)	6.658	1.000	A	H	R
26		Aroclor 1242 - AVE	0.708	1.000	A	H	R
27		Aroclor 1248 (1)	6.070	1.000	A	H	R
28		Aroclor 1248 (2)	6.311	1.000	A	H	R
29		Aroclor 1248 (3)	6.533	1.000	A	H	R
30		Aroclor 1248 (4)	6.827	1.000	A	H	R
31		Aroclor 1248 (5)	6.864	1.000	A	H	R
32		Aroclor 1248 (6)	7.340	1.000	A	H	R
33		Aroclor 1248 - AVE	0.708	1.000	A	H	R
34		Aroclor 1254 (1)	6.859	1.000	A	H	R
35		Aroclor 1254 (2)	6.971	1.000	A	H	R
36		Aroclor 1254 (3)	7.340	1.000	A	H	R
37		Aroclor 1254 (4)	7.506	1.000	A	H	R
38		Aroclor 1254 (5)	7.886	1.000	A	H	R
39		Aroclor 1254 (6)	8.177	1.000	A	H	R
40		Aroclor 1254 - AVE	0.708	1.000	A	H	R
41		Aroclor 1260 (1)	7.459	1.000	A	H	R
42		Aroclor 1260 (2)	7.593	1.000	A	H	R
43		Aroclor 1260 (3)	8.147	1.000	A	H	R
44		Aroclor 1260 (4)	8.318	1.000	A	H	R
45		Aroclor 1260 (5)	8.617	1.000	A	H	R
46		Aroclor 1260 (6)	9.004	1.000	A	H	R
47		Aroclor 1260 - AVE	0.708	1.000	A	H	R
48		Aroclor 1262 (1)	7.593	1.000	A	H	R
49		Aroclor 1262 (2)	7.916	1.000	A	H	R
50		Aroclor 1262 (3)	8.148	1.000	A	H	R
51		Aroclor 1262 (4)	8.319	1.000	A	H	R
52		Aroclor 1262 (5)	8.616	1.000	A	H	R
53		Aroclor 1262 (6)	9.003	1.000	A	H	R
54		Aroclor 1262 - AVE	0.708	1.000	A	H	R
55		Aroclor 1268 (1)	8.318	1.000	A	H	R
56		Aroclor 1268 (2)	8.564	1.000	A	H	R

57		Aroclor 1268 (3)	8.612	1.000	A	H	R
58		Aroclor 1268 (4)	8.793	1.000	A	H	R
59		Aroclor 1268 (5)	9.003	1.000	A	H	R
60		Aroclor 1268 (6)	9.255	1.000	A	H	R
61		Aroclor 1268 - AVE	0.711	1.000	A	H	R
62	S	DCBP (S)	9.484	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

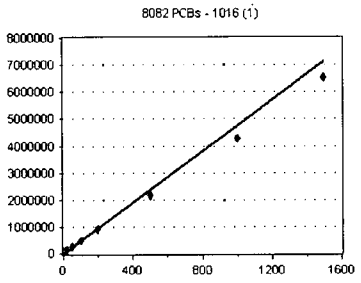
FECD2_QUANTPCB_2004010.M Mon Apr 13 09:31:41 2020

Element Calibration Review Sheet

Calibration ID: **A0D1302** Instrument: **DUALECD2F** Calibration Date: **04/13/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20040**

1016 (1)

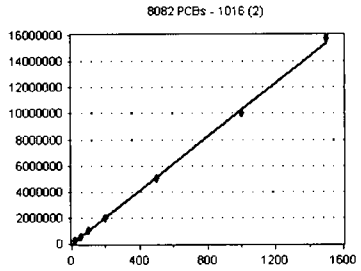


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	112716	5635.800	5.66
0D10012-CAL2	50	265806	5316.120	5.66
0D10012-CAL3	100	479662	4796.620	5.66
0D10012-CAL4	200	919253	4596.265	5.66
0D10012-CAL5	500	2171796	4343.592	5.66
0D10012-CAL6	1000	4293628	4293.628	5.66
0D10012-CAL7	1500	6511455	4340.970	5.66

AVE RF **4760.428** RF RSD **11.09** AVE RT **5.66**

1016 (2)

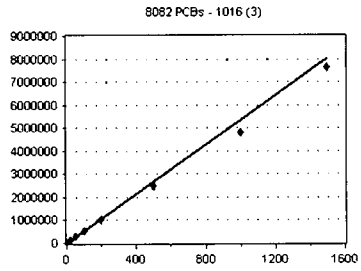


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	216714	10835.700	6.07
0D10012-CAL2	50	537553	10751.060	6.07
0D10012-CAL3	100	997133	9971.330	6.07
0D10012-CAL4	200	1989984	9949.920	6.07
0D10012-CAL5	500	4984786	9969.572	6.07
0D10012-CAL6	1000	.00512E+07	10051.200	6.07
0D10012-CAL7	1500	575992E+07	10506.610	6.07

AVE RF **10290.770** RF RSD **3.83** AVE RT **6.07**

1016 (3)

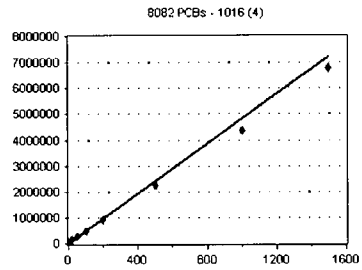


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	121068	6053.400	6.16
0D10012-CAL2	50	296763	5935.260	6.15
0D10012-CAL3	100	543635	5436.350	6.15
0D10012-CAL4	200	1009652	5048.260	6.15
0D10012-CAL5	500	2486753	4973.506	6.15
0D10012-CAL6	1000	4831278	4831.278	6.15
0D10012-CAL7	1500	7639618	5093.079	6.15

AVE RF **5338.733** RF RSD **9.09** AVE RT **6.15**

1016 (4)



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	113806	5690.300	6.31
0D10012-CAL2	50	268245	5364.900	6.31
0D10012-CAL3	100	479761	4797.610	6.31
0D10012-CAL4	200	917489	4587.445	6.31
0D10012-CAL5	500	2231051	4462.102	6.31
0D10012-CAL6	1000	4347874	4347.874	6.31
0D10012-CAL7	1500	6779647	4519.765	6.31

AVE RF **4824.285** RF RSD **10.54** AVE RT **6.31**

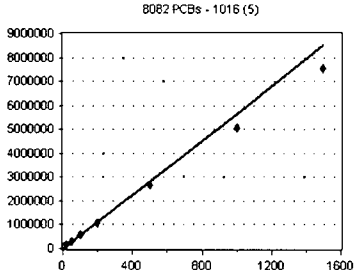
Element Calibration Review Sheet

Calibration ID: **A0D1302** Instrument: **DUALECD2F** Calibration Date: **04/13/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20040**

1016 (5)

Curve Fit: **AVERAGE RF**

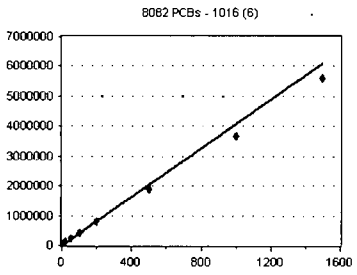


Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	137417	6870.850	6.53
0D10012-CAL2	50	312478	6249.560	6.53
0D10012-CAL3	100	565722	5657.220	6.53
0D10012-CAL4	200	1077762	5388.810	6.53
0D10012-CAL5	500	2697487	5394.974	6.53
0D10012-CAL6	1000	5043851	5043.851	6.53
0D10012-CAL7	1500	7535657	5023.771	6.53

AVE RF **5661.291** RF RSD **11.94** AVE RT **6.53**

1016 (6)

Curve Fit: **AVERAGE RF**

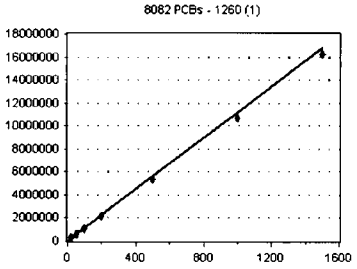


Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	97959	4897.950	6.66
0D10012-CAL2	50	223485	4469.700	6.66
0D10012-CAL3	100	408608	4086.080	6.66
0D10012-CAL4	200	781980	3909.900	6.66
0D10012-CAL5	500	1880122	3760.244	6.66
0D10012-CAL6	1000	3670234	3670.234	6.66
0D10012-CAL7	1500	5583278	3722.185	6.66

AVE RF **4073.756** RF RSD **11.19** AVE RT **6.66**

1260 (1)

Curve Fit: **AVERAGE RF**

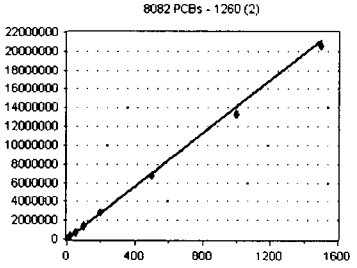


Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	258659	12932.950	7.46
0D10012-CAL2	50	589293	11785.860	7.46
0D10012-CAL3	100	1097918	10979.180	7.46
0D10012-CAL4	200	2141237	10706.180	7.46
0D10012-CAL5	500	5308633	10617.270	7.46
0D10012-CAL6	1000	069571E+07	10695.710	7.46
0D10012-CAL7	1500	627337E+07	10848.910	7.46

AVE RF **11223.720** RF RSD **7.59** AVE RT **7.46**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	306481	15324.050	7.59
0D10012-CAL2	50	729966	14599.320	7.59
0D10012-CAL3	100	1427060	14270.600	7.59
0D10012-CAL4	200	2810828	14054.140	7.59
0D10012-CAL5	500	6824795	13649.590	7.59
0D10012-CAL6	1000	333036E+07	13330.360	7.59
0D10012-CAL7	1500	060808E+07	13738.720	7.59

AVE RF **14138.110** RF RSD **4.74** AVE RT **7.59**

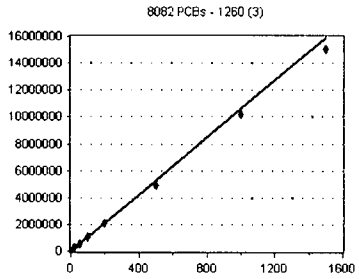
Element Calibration Review Sheet

Calibration ID: **A0D1302** Instrument: **DUALECD2F** Calibration Date: **04/13/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20040**

1260 (3)

Curve Fit: **AVERAGE RF**

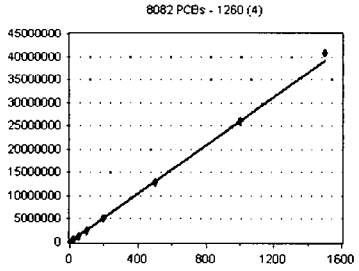


Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	243912	12195.600	8.15
0D10012-CAL2	50	560283	11205.660	8.15
0D10012-CAL3	100	1056080	10560.800	8.15
0D10012-CAL4	200	2034737	10173.680	8.15
0D10012-CAL5	500	4921592	9843.184	8.15
0D10012-CAL6	1000	019705E+07	10197.050	8.15
0D10012-CAL7	1500	505728E+07	10038.190	8.15

AVE RF **10602.020** RF RSD **7.84** AVE RT **8.15**

1260 (4)

Curve Fit: **AVERAGE RF**

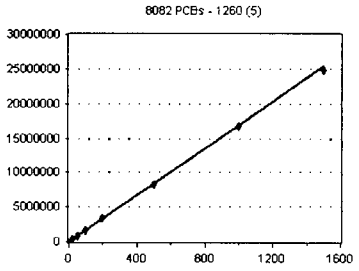


Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	532171	26608.550	8.32
0D10012-CAL2	50	1308551	26171.020	8.32
0D10012-CAL3	100	2550777	25507.770	8.32
0D10012-CAL4	200	5070521	25352.610	8.32
0D10012-CAL5	500	290677E+07	25813.540	8.32
0D10012-CAL6	1000	.59429E+07	25942.900	8.32
0D10012-CAL7	1500	090211E+07	27268.070	8.32

AVE RF **26094.920** RF RSD **2.54** AVE RT **8.32**

1260 (5)

Curve Fit: **AVERAGE RF**

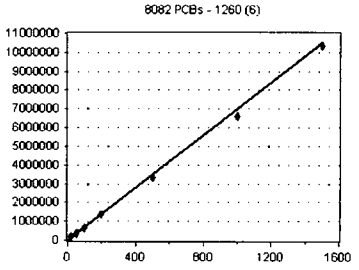


Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	361897	18094.850	8.62
0D10012-CAL2	50	850471	17009.420	8.62
0D10012-CAL3	100	1683464	16834.640	8.62
0D10012-CAL4	200	3367644	16838.220	8.62
0D10012-CAL5	500	8226234	16452.470	8.62
0D10012-CAL6	1000	675415E+07	16754.150	8.62
0D10012-CAL7	1500	481419E+07	16542.790	8.62

AVE RF **16932.360** RF RSD **3.23** AVE RT **8.62**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	20	159541	7977.050	9.00
0D10012-CAL2	50	370891	7417.820	9.00
0D10012-CAL3	100	676553	6765.530	9.00
0D10012-CAL4	200	1350079	6750.395	9.00
0D10012-CAL5	500	3319255	6638.510	9.00
0D10012-CAL6	1000	6589832	6589.832	9.00
0D10012-CAL7	1500	036678E+07	6911.187	9.00

AVE RF **7007.189** RF RSD **7.26** AVE RT **9.00**

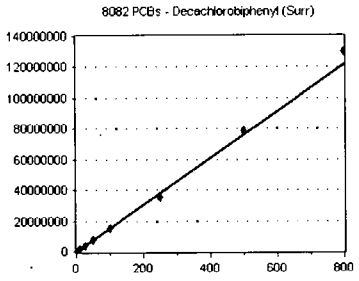
Element Calibration Review Sheet

Calibration ID: **A0D1302** Instrument: **DUALECD2F** Calibration Date: **04/13/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20040**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D10012-CAL1	10	1478905	147890.500	9.48
0D10012-CAL2	25	3809488	152379.500	9.48
0D10012-CAL3	50	7498264	149965.300	9.48
0D10012-CAL4	100	528828E+07	152882.800	9.48
0D10012-CAL5	250	538203E+07	141528.100	9.48
0D10012-CAL6	500	855999E+07	157120.000	9.49
0D10012-CAL7	800	302882E+08	162860.300	9.49

AVE RF **152089.500** RF RSD **4.46** AVE RT **9.48**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D10012

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
0D10012-ICB1	Initial Cal Blank	Water	A20C404		4/10/2020 2:04:00PM
0D10012-CAL1	Cal Standard	Water	A19L280	"	4/10/2020 2:22:00PM
0D10012-CAL2	Cal Standard	Water	A19L281	"	4/10/2020 2:40:00PM
0D10012-CAL3	Cal Standard	Water	A19L282	"	4/10/2020 2:57:00PM
0D10012-CAL4	Cal Standard	Water	A19L283	"	4/10/2020 3:15:00PM
0D10012-CAL5	Cal Standard	Water	A19L276	"	4/10/2020 3:33:00PM
0D10012-CAL6	Cal Standard	Water	A19L278	"	4/10/2020 3:50:00PM
0D10012-CAL7	Cal Standard	Water	A19L279	"	4/10/2020 4:08:00PM
0D10012-ICV1	Initial Cal Check	Water	A20B355	"	4/10/2020 4:43:00PM
0D10012-CAL8	Cal Standard	Water	A20C117	"	4/10/2020 5:01:00PM
0D10012-CAL9	Cal Standard	Water	A20B322	"	4/10/2020 5:19:00PM
0D10012-CALA	Cal Standard	Water	A20B323	"	4/10/2020 5:36:00PM
0D10012-CALB	Cal Standard	Water	A20B324	"	4/10/2020 5:54:00PM
0D10012-CALC	Cal Standard	Water	A20B325	"	4/10/2020 6:11:00PM
0D10012-CALD	Cal Standard	Water	A20B326	"	4/10/2020 6:29:00PM
0D10012-CALE	Cal Standard	Water	A20B327	"	4/10/2020 6:47:00PM
0D10012-ICV2	Initial Cal Check	Water	A20B353	"	4/10/2020 7:04:00PM
0D10012-ICV3	Initial Cal Check	Water	A19J367	"	4/10/2020 7:22:00PM
0D10012-ICV4	Initial Cal Check	Water	A20B354	"	4/10/2020 7:39:00PM
0D10012-ICV5	Initial Cal Check	Water	A20B130	"	4/10/2020 7:57:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0D1302** Instrument: **DUALECD2F**

1311/8082 TCLP PCBs Sequence: **0D10012** Matrix: **Water**

0D10012-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	

0D10012-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	20.0	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D10012

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	
0D10012-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	
0D10012-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	
0D10012-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	
0D10012-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	
0D10012-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	
0D10012-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	
0D10012-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	
0D10012-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	
0D10012-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	
0D10012-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: 0D10012

0D10012-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	

0D10012-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 quadatic 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 otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D1302** Instrument: **DUALECD2F**

8082 PCBs - Low Level (1000/ Sequence: **0D10012** Matrix: **Water**

0D10012-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:04 pm
Operator : MJB / KAK
Sample : 0D10012-ICB1
Misc : [redacted]
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20
clean

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S TCMX (S)	4.744	7927183	104.101 ng/ml
62)	S DCBP (S)	9.487	15005894	98.665 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.659	3193	0.671 ng/ml
3)	Aroclor 1016 (2)	6.072	5774	0.561 ng/ml
4)	Aroclor 1016 (3)	6.149	6370	1.193 ng/ml
5)	Aroclor 1016 (4)	6.309	7535	1.562 ng/ml
6)	Aroclor 1016 (5)	6.532	7138	1.261 ng/ml
7)	Aroclor 1016 (6)	6.661	6835	1.678 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.103	179396	123.705 ng/ml
10)	Aroclor 1221 (2)	5.268f	11532	11.797 ng/ml
11)	Aroclor 1221 (3)	5.311	8995	2.839 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.311	8995	3.467 ng/ml
14)	Aroclor 1232 (2)	6.072	5774	1.362 ng/ml
15)	Aroclor 1232 (3)	6.149	6370	2.865 ng/ml
16)	Aroclor 1232 (4)	6.309	7535	4.578 ng/ml
17)	Aroclor 1232 (5)	6.532	7138	3.312 ng/ml
18)	Aroclor 1232 (6)	6.661	6835	3.900 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	5.659	3193	0.878 ng/ml
21)	Aroclor 1242 (2)	6.072	5774	0.726 ng/ml
22)	Aroclor 1242 (3)	6.149	6370	1.592 ng/ml
23)	Aroclor 1242 (4)	6.309	7535	2.269 ng/ml
24)	Aroclor 1242 (5)	6.532	7138	1.651 ng/ml
25)	Aroclor 1242 (6)	6.661	6835	1.896 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.072	5774	1.179 ng/ml
28)	Aroclor 1248 (2)	6.309	7535	1.258 ng/ml
29)	Aroclor 1248 (3)	6.532	7138	1.062 ng/ml
30)	Aroclor 1248 (4)	6.831	3558	0.433 ng/ml
31)	Aroclor 1248 (5)	6.874	3829	0.486 ng/ml
32)	Aroclor 1248 (6)	7.348	8368	1.839 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	6.846	3940	0.453 ng/ml
35)	Aroclor 1254 (2)	6.975	1558	0.139 ng/ml
36)	Aroclor 1254 (3)	7.348	8368	0.498 ng/ml
37)	Aroclor 1254 (4)	7.501	2297	0.215 ng/ml
38)	Aroclor 1254 (5)	7.897	17881	1.522 ng/ml
39)	Aroclor 1254 (6)	8.176	2584	0.686 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41)	Aroclor 1260 (1)	7.463	3668	0.327 ng/ml
42)	Aroclor 1260 (2)	7.587	1548	0.109 ng/ml
43)	Aroclor 1260 (3)	8.146	5257	0.496 ng/ml
44)	Aroclor 1260 (4)	8.314	21362	0.819 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:04 pm
Operator : MJB / KAK
Sample : 0D10012-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.622	6533	0.386	ng/ml
46)	Aroclor 1260 (6)	9.004	5305	0.757	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.587	1548	0.140	ng/ml
49)	Aroclor 1262 (2)	7.897	17881	1.178	ng/ml
50)	Aroclor 1262 (3)	8.146	5257	0.399	ng/ml
51)	Aroclor 1262 (4)	8.314	21362	0.726	ng/ml
52)	Aroclor 1262 (5)	8.622	6533	0.360	ng/ml
53)	Aroclor 1262 (6)	9.004	5305	0.549	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.146	5257	0.740	ng/ml
56)	Aroclor 1268 (2)	8.568	5072	0.146	ng/ml
57)	Aroclor 1268 (3)	8.622	6533	0.226	ng/ml
58)	Aroclor 1268 (4)	8.796	320613	12.496	ng/ml
59)	Aroclor 1268 (5)	9.004	5305	0.488	ng/ml
60)	Aroclor 1268 (6)	9.257	614100	7.839	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

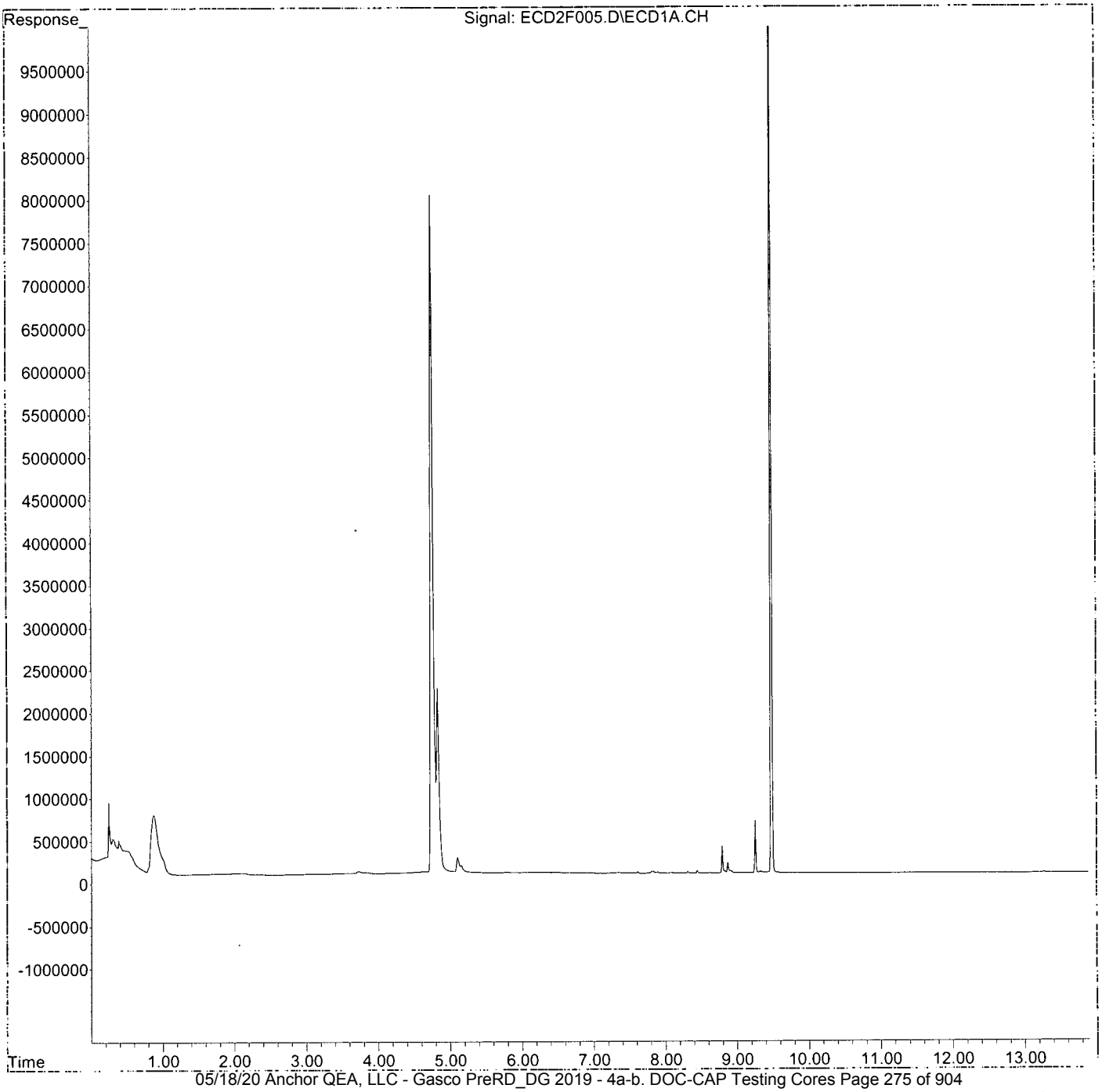
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:04 pm
Operator : MJB / KAK
Sample : 0D10012-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:26 pm
Operator : MJB / KAK
Sample : 0D10012-IBL1
Misc : [redacted]
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Clean

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.737	12981	0.170 ng/ml
62) S	DCBP (S)	9.483	38072	0.250 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.659	4598	0.966 ng/ml
3)	Aroclor 1016 (2)	6.088	20226	1.965 ng/ml
4)	Aroclor 1016 (3)	6.141	8480	1.588 ng/ml
5)	Aroclor 1016 (4)	6.311	8139	1.687 ng/ml
6)	Aroclor 1016 (5)	6.537	9926	1.753 ng/ml
7)	Aroclor 1016 (6)	6.661	6826	1.675 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.090	8301	5.724 ng/ml
10)	Aroclor 1221 (2)	5.216	9599	9.819 ng/ml
11)	Aroclor 1221 (3)	5.295	6411	2.023 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.295	6411	2.471 ng/ml
14)	Aroclor 1232 (2)	6.088	20226	4.770 ng/ml
15)	Aroclor 1232 (3)	6.166	13617	6.125 ng/ml
16)	Aroclor 1232 (4)	6.311	8139	4.944 ng/ml
17)	Aroclor 1232 (5)	6.537	9926	4.605 ng/ml
18)	Aroclor 1232 (6)	6.661	6826	3.895 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	5.659	4598	1.264 ng/ml
21)	Aroclor 1242 (2)	6.088	20226	2.545 ng/ml
22)	Aroclor 1242 (3)	6.141	8480	2.120 ng/ml
23)	Aroclor 1242 (4)	6.311	8139	2.451 ng/ml
24)	Aroclor 1242 (5)	6.537	9926	2.296 ng/ml
25)	Aroclor 1242 (6)	6.661	6826	1.894 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.088	20226	4.131 ng/ml
28)	Aroclor 1248 (2)	6.311	8139	1.358 ng/ml
29)	Aroclor 1248 (3)	6.537	9926	1.476 ng/ml
30)	Aroclor 1248 (4)	6.828	5554	0.676 ng/ml
31)	Aroclor 1248 (5)	6.866	5303	0.673 ng/ml
32)	Aroclor 1248 (6)	7.342	9400	2.066 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	6.861	5057	0.582 ng/ml
35)	Aroclor 1254 (2)	6.972	3770	0.336 ng/ml
36)	Aroclor 1254 (3)	7.342	9400	0.559 ng/ml
37)	Aroclor 1254 (4)	7.504	3258	0.305 ng/ml
38)	Aroclor 1254 (5)	7.887	8061	0.686 ng/ml
39)	Aroclor 1254 (6)	8.175	2659	0.705 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41)	Aroclor 1260 (1)	7.459	8702	0.775 ng/ml
42)	Aroclor 1260 (2)	7.594	5785	0.409 ng/ml
43)	Aroclor 1260 (3)	8.148	5197	0.490 ng/ml
44)	Aroclor 1260 (4)	8.319	9054	0.347 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:26 pm
Operator : MJB / KAK
Sample : 0D10012-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.616	7224	0.427 ng/ml
46)	Aroclor 1260 (6)	9.002	4579	0.653 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.594	5785	0.524 ng/ml
49)	Aroclor 1262 (2)	7.918	5124	0.338 ng/ml
50)	Aroclor 1262 (3)	8.148	5197	0.395 ng/ml
51)	Aroclor 1262 (4)	8.319	9054	0.308 ng/ml
52)	Aroclor 1262 (5)	8.616	7224	0.399 ng/ml
53)	Aroclor 1262 (6)	9.002	4579	0.474 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.130	4001	0.564 ng/ml
56)	Aroclor 1268 (2)	8.565	2232	0.064 ng/ml
57)	Aroclor 1268 (3)	8.616	7224	0.250 ng/ml
58)	Aroclor 1268 (4)	8.791	3254	0.127 ng/ml
59)	Aroclor 1268 (5)	9.002	4579	0.421 ng/ml
60)	Aroclor 1268 (6)	9.257	5057	0.065 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

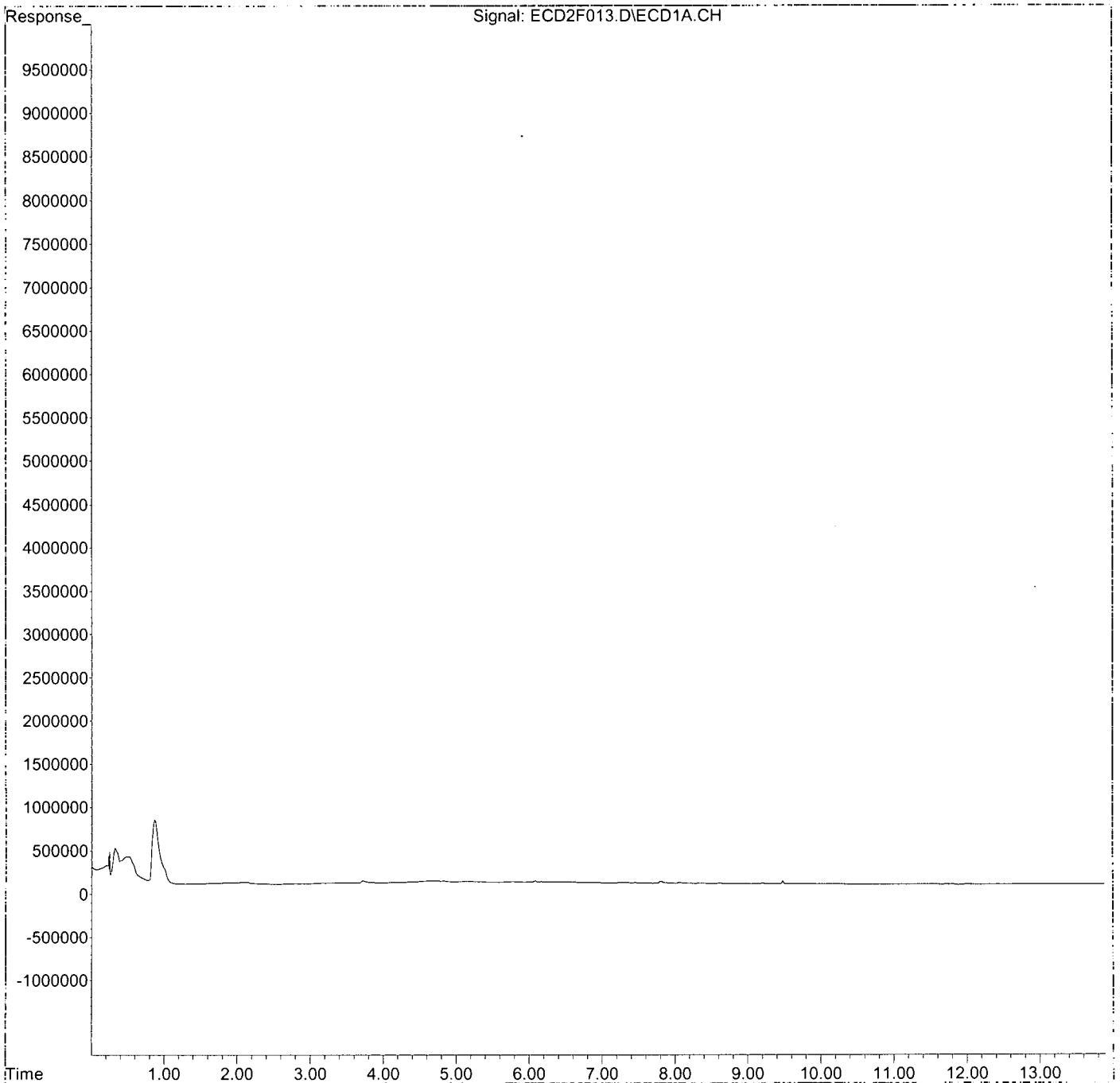
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:26 pm
Operator : MJB / KAK
Sample : 0D10012-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:43 pm
Operator : MJB / KAK
Sample : 0D10012-ICV1
Misc : [redacted]
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20

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

1016, 1260

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.744	16091933	211.322	ng/ml
62)	S DCBP (S)	9.484	31423958	206.615	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.660	2300760	483.309	ng/ml
3)	Aroclor 1016 (2)	6.071	5116324	497.176	ng/ml
4)	Aroclor 1016 (3)	6.154	2656866	497.659	ng/ml
5)	Aroclor 1016 (4)	6.311	2204308	456.919	ng/ml
6)	Aroclor 1016 (5)	6.533	2729898	482.204	ng/ml
7)	Aroclor 1016 (6)	6.658	1906785	468.066	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.100	521880	359.868	ng/ml
10)	Aroclor 1221 (2)	5.217	254915	260.770	ng/ml
11)	Aroclor 1221 (3)	5.297	1115048	351.892	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.297	1115048	429.736	ng/ml
14)	Aroclor 1232 (2)	6.071	5116324	1206.633	ng/ml
15)	Aroclor 1232 (3)	6.154	2656866	1195.027	ng/ml
16)	Aroclor 1232 (4)	6.311	2204308	1339.159	ng/ml
17)	Aroclor 1232 (5)	6.533	2729898	1266.423	ng/ml
18)	Aroclor 1232 (6)	6.658	1906785	1088.120	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.660	2300760	632.394	ng/ml
21)	Aroclor 1242 (2)	6.071	5116324	643.670	ng/ml
22)	Aroclor 1242 (3)	6.154	2656866	664.186	ng/ml
23)	Aroclor 1242 (4)	6.311	2204308	663.716	ng/ml
24)	Aroclor 1242 (5)	6.533	2729898	631.417	ng/ml
25)	Aroclor 1242 (6)	6.658	1906785	529.069	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.071	5116324	1044.938	ng/ml
28)	Aroclor 1248 (2)	6.311	2204308	367.852	ng/ml
29)	Aroclor 1248 (3)	6.533	2729898	405.963	ng/ml
30)	Aroclor 1248 (4)	6.827	473648	57.611	ng/ml
31)	Aroclor 1248 (5)	6.859	2067845	262.397	ng/ml
32)	Aroclor 1248 (6)	7.347	4410695	969.203	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.859	2067845	237.985	ng/ml
35)	Aroclor 1254 (2)	6.970	2243933	199.711	ng/ml
36)	Aroclor 1254 (3)	7.347	4410695	262.367	ng/ml
37)	Aroclor 1254 (4)	7.506	481234	45.067	ng/ml
38)	Aroclor 1254 (5)	7.886	6287937	535.167	ng/ml
39)	Aroclor 1254 (6)	8.177	694310	184.160	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.460	6012253	535.674	ng/ml
42)	Aroclor 1260 (2)	7.593	7486857	529.551	ng/ml
43)	Aroclor 1260 (3)	8.148	4891070	461.334	ng/ml
44)	Aroclor 1260 (4)	8.319	12195863	467.365	ng/ml

480.889

473.568

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:43 pm
Operator : MJB / KAK
Sample : 0D10012-ICV1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.616	7971058	470.759	ng/ml
46)	Aroclor 1260 (6)	9.004	2639773	376.723	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.593	7486857	677.599	ng/ml
49)	Aroclor 1262 (2)	7.916	4554252	299.967	ng/ml
50)	Aroclor 1262 (3)	8.148	4891070	371.384	ng/ml
51)	Aroclor 1262 (4)	8.319	12195863	414.530	ng/ml
52)	Aroclor 1262 (5)	8.616	7971058	439.768	ng/ml
53)	Aroclor 1262 (6)	9.004	2639773	273.322	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.148	4891070	688.925	ng/ml
56)	Aroclor 1268 (2)	8.565	2298335	66.005	ng/ml
57)	Aroclor 1268 (3)	8.616	7971058	275.389	ng/ml
58)	Aroclor 1268 (4)	8.791	377802	14.725	ng/ml
59)	Aroclor 1268 (5)	9.004	2639773	242.859	ng/ml
60)	Aroclor 1268 (6)	9.255	785565	10.028	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

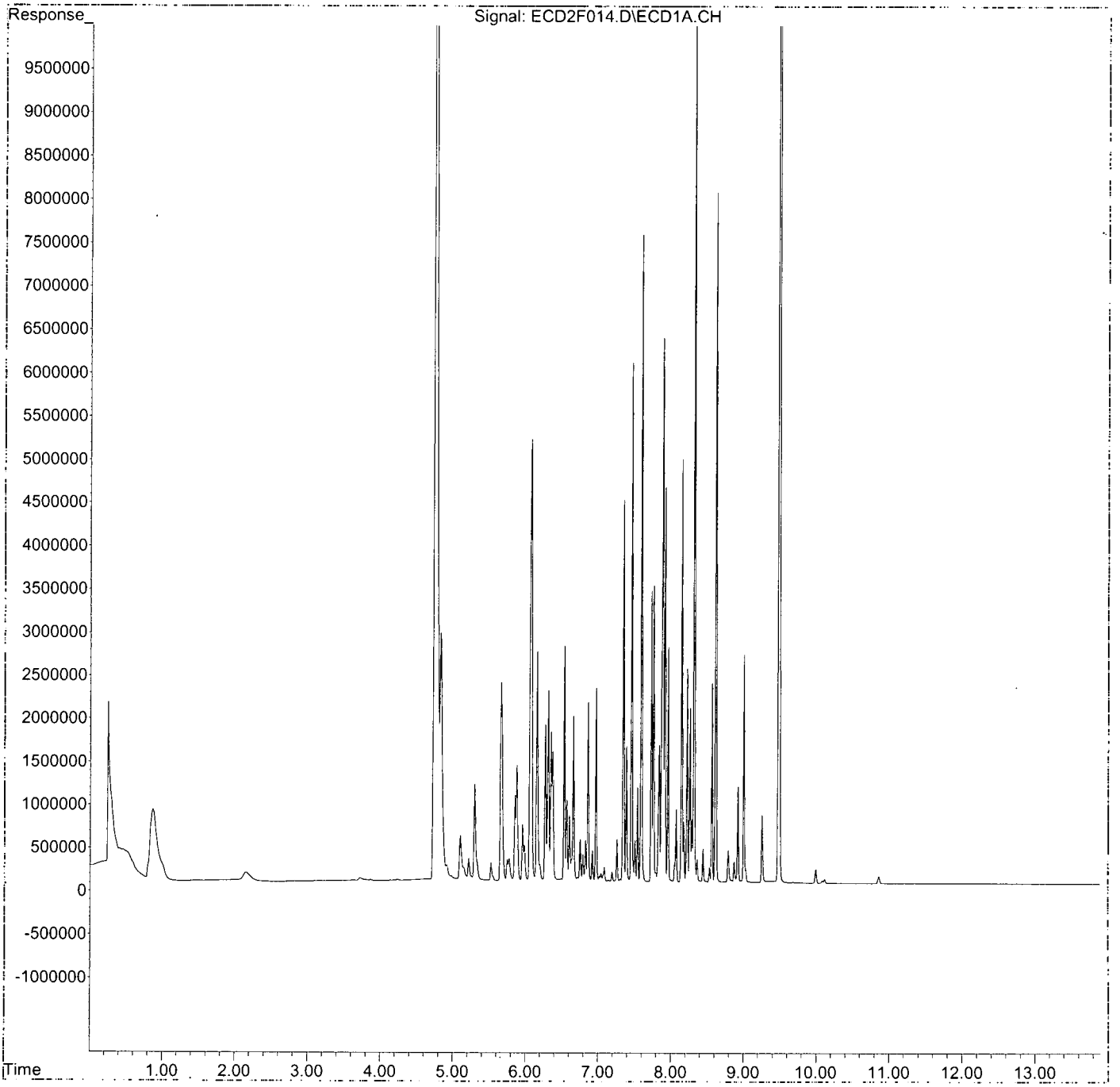
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:43 pm
Operator : MJB / KAK
Sample : 0D10012-ICV1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:00:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:04 pm
Operator : MJB / KAK
Sample : 0D10012-ICV2
Misc : [redacted]
ALS Vial : 19 Sample Multiplier: 1

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Integration File: PCB1.e
Quant Time: Apr 13 09:01:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1221, 1254

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.745	3112652	40.876	ng/ml
62) S	DCBP (S)	9.482	13031062	85.680	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.660	556324	116.864	ng/ml
3)	Aroclor 1016 (2)	6.070	769716	74.797	ng/ml
4)	Aroclor 1016 (3)	6.153	458760	85.931	ng/ml
5)	Aroclor 1016 (4)	6.311	2557194	530.067	ng/ml
6)	Aroclor 1016 (5)	6.531	1663787	293.888	ng/ml
7)	Aroclor 1016 (6)	6.657	741417	181.998	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.097	1418537	978.167	ng/ml
10)	Aroclor 1221 (2)	5.215	985311	1007.942	ng/ml
11)	Aroclor 1221 (3)	5.296	3099112	978.033	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.296	3099112	1194.387	ng/ml
14)	Aroclor 1232 (2)	6.070	769716	181.530	ng/ml
15)	Aroclor 1232 (3)	6.153	458760	206.345	ng/ml
16)	Aroclor 1232 (4)	6.311	2557194	1553.543	ng/ml
17)	Aroclor 1232 (5)	6.531	1663787	771.846	ng/ml
18)	Aroclor 1232 (6)	6.657	741417	423.095	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.660	556324	152.913	ng/ml
21)	Aroclor 1242 (2)	6.070	769716	96.836	ng/ml
22)	Aroclor 1242 (3)	6.153	458760	114.685	ng/ml
23)	Aroclor 1242 (4)	6.311	2557194	769.970	ng/ml
24)	Aroclor 1242 (5)	6.531	1663787	384.829	ng/ml
25)	Aroclor 1242 (6)	6.657	741417	205.718	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.070	769716	157.204	ng/ml
28)	Aroclor 1248 (2)	6.311	2557194	426.741	ng/ml
29)	Aroclor 1248 (3)	6.531	1663787	247.422	ng/ml
30)	Aroclor 1248 (4)	6.825	2511095	305.432	ng/ml
31)	Aroclor 1248 (5)	6.858	4445962	564.166	ng/ml
32)	Aroclor 1248 (6)	7.340	8211123	1804.306	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.858	4445962	511.678	ng/ml
35)	Aroclor 1254 (2)	6.970	5499442	489.453	ng/ml
36)	Aroclor 1254 (3)	7.340	8211123	488.432	ng/ml
37)	Aroclor 1254 (4)	7.506	5279145	494.386	ng/ml
38)	Aroclor 1254 (5)	7.884	5684364	483.797	ng/ml
39)	Aroclor 1254 (6)	8.176	1738200	461.044	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.459	3096373	275.878	ng/ml
42)	Aroclor 1260 (2)	7.592	3611399	255.437	ng/ml
43)	Aroclor 1260 (3)	8.147	492731	46.475	ng/ml
44)	Aroclor 1260 (4)	8.318	1214208	46.530	ng/ml

988.047

488.132

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:04 pm
Operator : MJB / KAK
Sample : 0D10012-ICV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.616	992423	58.611	ng/ml
46)	Aroclor 1260 (6)	9.002	82648	11.795	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.592	3611399	326.850	ng/ml
49)	Aroclor 1262 (2)	7.884	5684364	374.403	ng/ml
50)	Aroclor 1262 (3)	8.147	492731	37.414	ng/ml
51)	Aroclor 1262 (4)	8.318	1214208	41.270	ng/ml
52)	Aroclor 1262 (5)	8.616	992423	54.753	ng/ml
53)	Aroclor 1262 (6)	9.002	82648	8.557	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.147	492731	69.403	ng/ml
56)	Aroclor 1268 (2)	8.564	63553	1.825	ng/ml
57)	Aroclor 1268 (3)	8.616	992423	34.287	ng/ml
58)	Aroclor 1268 (4)	8.791	99360	3.873	ng/ml
59)	Aroclor 1268 (5)	9.002	82648	7.604	ng/ml
60)	Aroclor 1268 (6)	9.255	93221	1.190	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

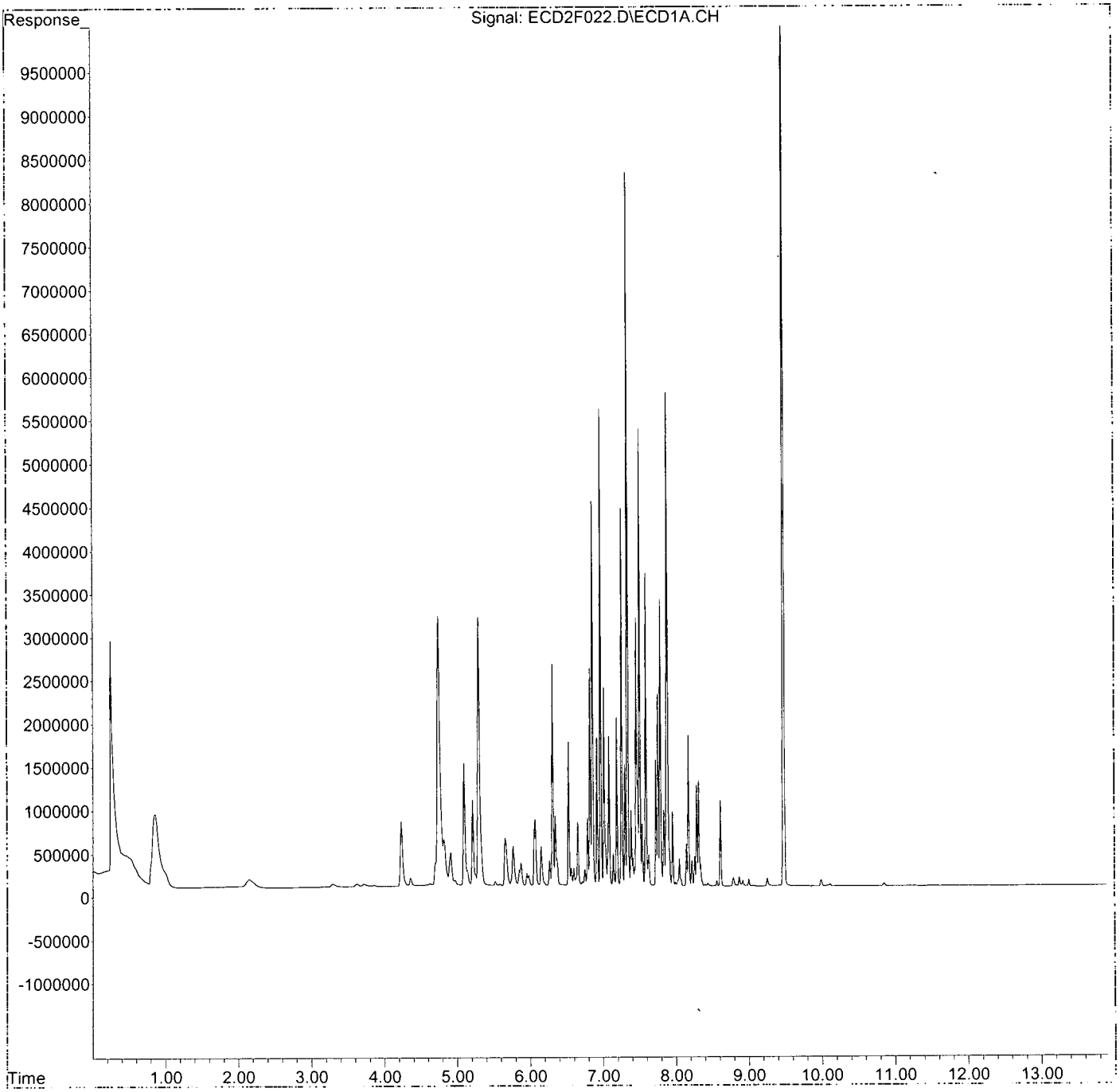
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:04 pm
Operator : MJB / KAK
Sample : 0D10012-ICV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:22 pm
Operator : MJB / KAK
Sample : 0D10012-ICV3
Misc : [redacted]
ALS Vial : 20 Sample Multiplier: 1

4/13/20

Integration File: PCB1.e
Quant Time: Apr 13 09:01:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1232, 1262

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.740	3082872	40.485	ng/ml
62)	S DCBP (S)	9.482	13986793	91.964	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.657	1114047	234.022	ng/ml
3)	Aroclor 1016 (2)	6.069	2422589	235.414	ng/ml
4)	Aroclor 1016 (3)	6.152	1236995	231.702	ng/ml
5)	Aroclor 1016 (4)	6.310	962412	199.493	ng/ml
6)	Aroclor 1016 (5)	6.531	1208375	213.445	ng/ml
7)	Aroclor 1016 (6)	6.657	973612	238.996	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.098	509588	351.392	ng/ml
10)	Aroclor 1221 (2)	5.215	391888	400.889	ng/ml
11)	Aroclor 1221 (3)	5.296	1398531	441.355	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.296	1398531	538.989	ng/ml
14)	Aroclor 1232 (2)	6.069	2422589	571.343	ng/ml
15)	Aroclor 1232 (3)	6.152	1236995	556.386	ng/ml
16)	Aroclor 1232 (4)	6.310	962412	584.684	ng/ml
17)	Aroclor 1232 (5)	6.531	1208375	560.576	ng/ml
18)	Aroclor 1232 (6)	6.657	973612	555.598	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.657	1114047	306.210	ng/ml
21)	Aroclor 1242 (2)	6.069	2422589	304.779	ng/ml
22)	Aroclor 1242 (3)	6.152	1236995	309.235	ng/ml
23)	Aroclor 1242 (4)	6.310	962412	289.782	ng/ml
24)	Aroclor 1242 (5)	6.531	1208375	279.493	ng/ml
25)	Aroclor 1242 (6)	6.657	973612	270.145	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.069	2422589	494.780	ng/ml
28)	Aroclor 1248 (2)	6.310	962412	160.606	ng/ml
29)	Aroclor 1248 (3)	6.531	1208375	179.697	ng/ml
30)	Aroclor 1248 (4)	6.825	1268696	154.315	ng/ml
31)	Aroclor 1248 (5)	6.861	1793214	227.548	ng/ml
32)	Aroclor 1248 (6)	7.346	3953150	868.662	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.861	1793214	206.378	ng/ml
35)	Aroclor 1254 (2)	6.969	1076258	95.787	ng/ml
36)	Aroclor 1254 (3)	7.346	3953150	235.150	ng/ml
37)	Aroclor 1254 (4)	7.506	431433	40.403	ng/ml
38)	Aroclor 1254 (5)	7.884	2910958	247.752	ng/ml
39)	Aroclor 1254 (6)	8.174	215002	57.028	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.458	4995075	445.046	ng/ml
42)	Aroclor 1260 (2)	7.592	5914709	418.352	ng/ml
43)	Aroclor 1260 (3)	8.147	7094749	669.188	ng/ml
44)	Aroclor 1260 (4)	8.317	15635968	599.196	ng/ml

561.263

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:22 pm
Operator : MJB / KAK
Sample : 0D10012-ICV3
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.615	9698469	572.777	ng/ml
46)	Aroclor 1260 (6)	9.002	5039184	719.144	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.592	5914709	535.312	ng/ml
49)	Aroclor 1262 (2)	7.915	8554800	563.465	ng/ml
50)	Aroclor 1262 (3)	8.147	7094749	538.712	ng/ml
51)	Aroclor 1262 (4)	8.317	15635968	531.457	ng/ml
52)	Aroclor 1262 (5)	8.615	9698469	535.070	ng/ml
53)	Aroclor 1262 (6)	9.002	5039184	521.757	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.147	7094749	999.322	ng/ml
56)	Aroclor 1268 (2)	8.564	5762422	165.488	ng/ml
57)	Aroclor 1268 (3)	8.615	9698469	335.069	ng/ml
58)	Aroclor 1268 (4)	8.792	465399	18.139	ng/ml
59)	Aroclor 1268 (5)	9.002	5039184	463.605	ng/ml
60)	Aroclor 1268 (6)	9.254	1614519	20.609	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

537.629

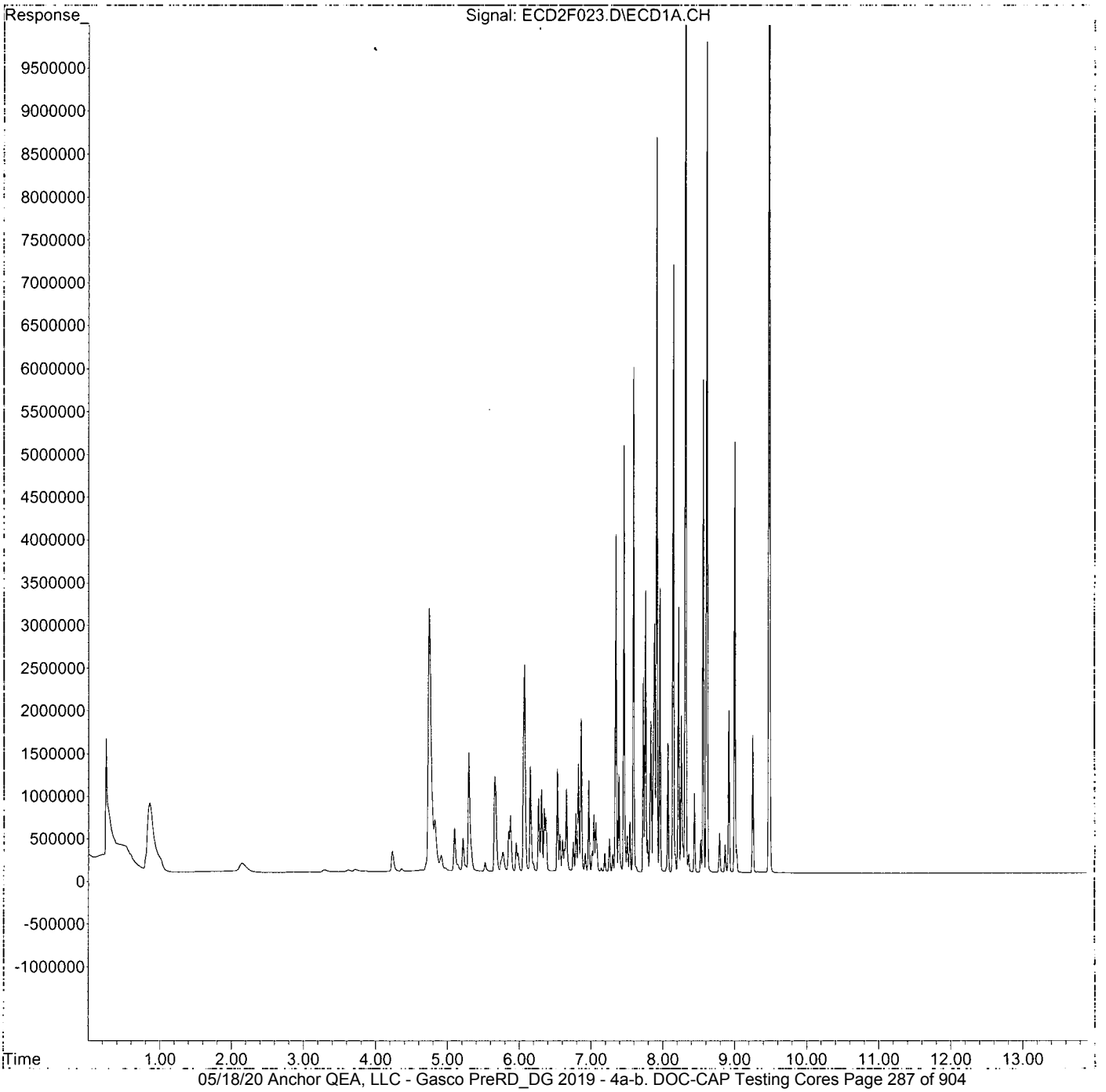
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:22 pm
Operator : MJB / KAK
Sample : 0D10012-ICV3
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:39 pm
Operator : MJB / KAK
Sample : 0D10012-ICV4
Misc : [redacted]
ALS Vial : 21 Sample Multiplier: 1

4/13/20

Integration File: PCB1.e
Quant Time: Apr 13 09:01:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1242, 1268

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.745	3080802	40.458	ng/ml
62)	S DCBP (S)	9.483	6403363	42.103	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	1962347	412.220	ng/ml
3)	Aroclor 1016 (2)	6.071	4223266	410.393	ng/ml
4)	Aroclor 1016 (3)	6.153	2199902	412.064	ng/ml
5)	Aroclor 1016 (4)	6.311	1807046	374.573	ng/ml
6)	Aroclor 1016 (5)	6.532	2338278	413.029	ng/ml
7)	Aroclor 1016 (6)	6.657	1892022	464.442	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.099	198991	137.216	ng/ml
10)	Aroclor 1221 (2)	5.217	228038	233.276	ng/ml
11)	Aroclor 1221 (3)	5.297	969969	306.107	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.297	969969	373.823	ng/ml
14)	Aroclor 1232 (2)	6.071	4223266	996.014	ng/ml
15)	Aroclor 1232 (3)	6.153	2199902	989.490	ng/ml
16)	Aroclor 1232 (4)	6.311	1807046	1097.815	ng/ml
17)	Aroclor 1232 (5)	6.532	2338278	1084.748	ng/ml
18)	Aroclor 1232 (6)	6.657	1892022	1079.696	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.659	1962347	539.377	ng/ml
21)	Aroclor 1242 (2)	6.071	4223266	531.317	ng/ml
22)	Aroclor 1242 (3)	6.153	2199902	549.950	ng/ml
23)	Aroclor 1242 (4)	6.311	1807046	544.101	ng/ml
24)	Aroclor 1242 (5)	6.532	2338278	540.836	ng/ml
25)	Aroclor 1242 (6)	6.657	1892022	524.973	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.071	4223266	862.543	ng/ml
28)	Aroclor 1248 (2)	6.311	1807046	301.558	ng/ml
29)	Aroclor 1248 (3)	6.532	2338278	347.725	ng/ml
30)	Aroclor 1248 (4)	6.826	2402212	292.188	ng/ml
31)	Aroclor 1248 (5)	6.864	2461062	312.294	ng/ml
32)	Aroclor 1248 (6)	7.340	792529	174.150	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.864	2461062	283.239	ng/ml
35)	Aroclor 1254 (2)	6.970	561381	49.963	ng/ml
36)	Aroclor 1254 (3)	7.340	792529	47.143	ng/ml
37)	Aroclor 1254 (4)	7.507	536873	50.278	ng/ml
38)	Aroclor 1254 (5)	7.887	110697	9.421	ng/ml
39)	Aroclor 1254 (6)	8.176	57397	15.224	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.480	287831	25.645	ng/ml
42)	Aroclor 1260 (2)	7.592	107403	7.597	ng/ml
43)	Aroclor 1260 (3)	8.139	3546280	334.491	ng/ml
44)	Aroclor 1260 (4)	8.318	1696485	65.012	ng/ml

538.426

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:39 pm
Operator : MJB / KAK
Sample : 0D10012-ICV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.612	14509237	856.894	ng/ml
46)	Aroclor 1260 (6)	9.004	5759847	821.991	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.592	107403	9.721	ng/ml
49)	Aroclor 1262 (2)	7.916	3048518	200.792	ng/ml
50)	Aroclor 1262 (3)	8.139	3546280	269.273	ng/ml
51)	Aroclor 1262 (4)	8.318	1696485	57.662	ng/ml
52)	Aroclor 1262 (5)	8.612	14509237	800.483	ng/ml
53)	Aroclor 1262 (6)	9.004	5759847	596.374	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.139	3546280	499.507	ng/ml
56)	Aroclor 1268 (2)	8.565	17584275	504.993	ng/ml
57)	Aroclor 1268 (3)	8.612	14509237	501.274	ng/ml
58)	Aroclor 1268 (4)	8.793	12812192	499.349	ng/ml
59)	Aroclor 1268 (5)	9.004	5759847	529.906	ng/ml
60)	Aroclor 1268 (6)	9.256	37041274	472.823	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

501.309

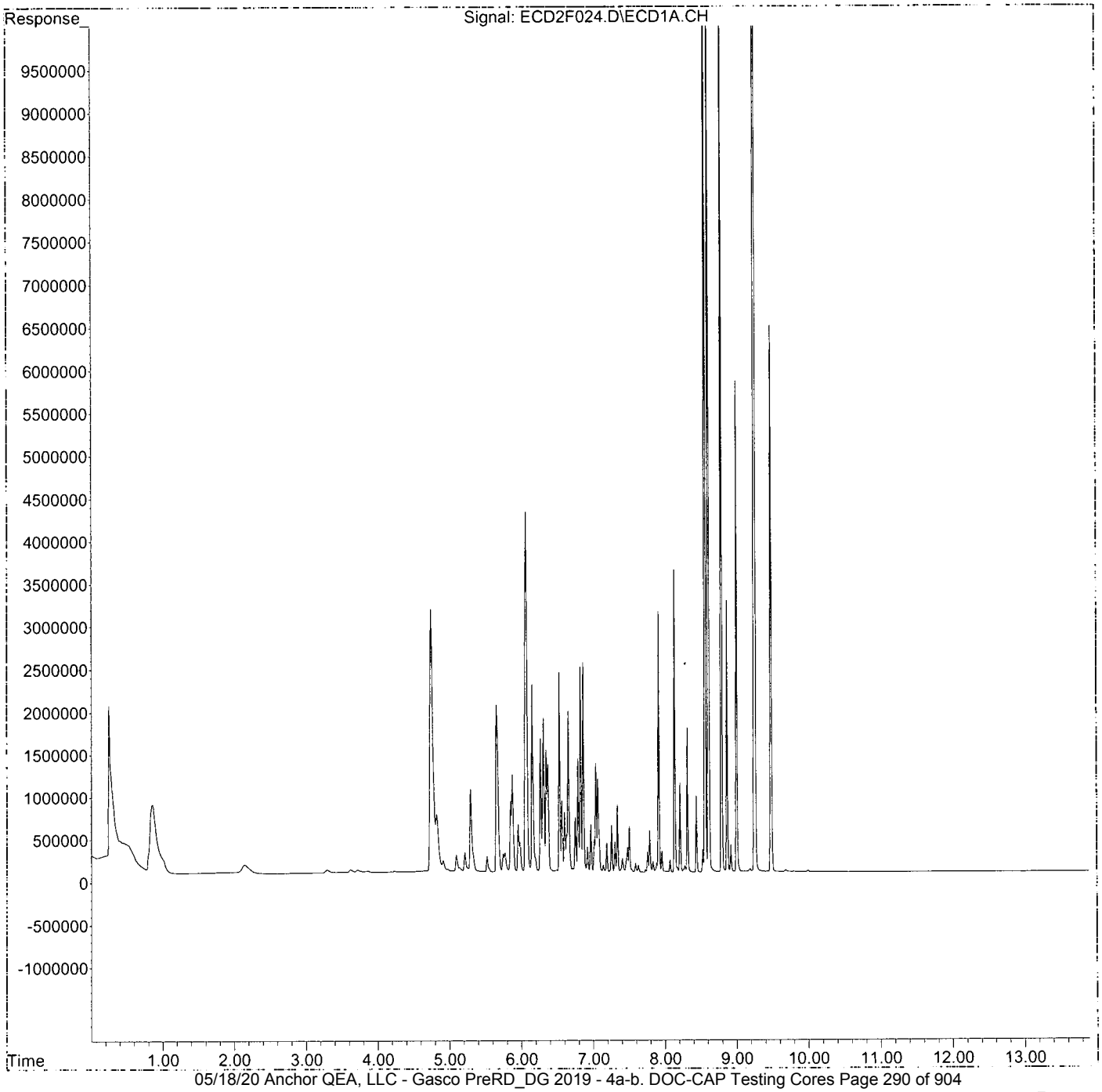
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:39 pm
Operator : MJB / KAK
Sample : 0D10012-ICV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:01:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:57 pm
Operator : MJB / KAK
Sample : 0D10012-ICV5
Misc : [redacted]
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:02:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20

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

1248

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.755	12762	0.168	ng/ml
62)	S DCBP (S)	9.484	5519	0.036	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.658	971149	204.004	ng/ml
3)	Aroclor 1016 (2)	6.069	2429144	236.051	ng/ml
4)	Aroclor 1016 (3)	6.153	1220831	228.674	ng/ml
5)	Aroclor 1016 (4)	6.311	3269349	677.686	ng/ml
6)	Aroclor 1016 (5)	6.532	3815094	673.891	ng/ml
7)	Aroclor 1016 (6)	6.658	2942753	722.369	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.100	22713	15.662	ng/ml
10)	Aroclor 1221 (2)	5.218	27456	28.087	ng/ml
11)	Aroclor 1221 (3)	5.298	111322	35.132	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.298	111322	42.903	ng/ml
14)	Aroclor 1232 (2)	6.069	2429144	572.889	ng/ml
15)	Aroclor 1232 (3)	6.153	1220831	549.116	ng/ml
16)	Aroclor 1232 (4)	6.311	3269349	1986.191	ng/ml
17)	Aroclor 1232 (5)	6.532	3815094	1769.855	ng/ml
18)	Aroclor 1232 (6)	6.658	2942753	1679.303	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.658	971149	266.933	ng/ml
21)	Aroclor 1242 (2)	6.069	2429144	305.604	ng/ml
22)	Aroclor 1242 (3)	6.153	1220831	305.194	ng/ml
23)	Aroclor 1242 (4)	6.311	3269349	984.399	ng/ml
24)	Aroclor 1242 (5)	6.532	3815094	882.419	ng/ml
25)	Aroclor 1242 (6)	6.658	2942753	816.516	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.069	2429144	496.119	ng/ml
28)	Aroclor 1248 (2)	6.311	3269349	545.585	ng/ml
29)	Aroclor 1248 (3)	6.532	3815094	567.342	ng/ml
30)	Aroclor 1248 (4)	6.826	4314364	524.768	ng/ml
31)	Aroclor 1248 (5)	6.864	4473751	567.693	ng/ml
32)	Aroclor 1248 (6)	7.340	2363165	519.280	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.864	4473751	514.876	ng/ml
35)	Aroclor 1254 (2)	6.970	1482536	131.946	ng/ml
36)	Aroclor 1254 (3)	7.340	2363165	140.571	ng/ml
37)	Aroclor 1254 (4)	7.507	1600758	149.909	ng/ml
38)	Aroclor 1254 (5)	7.886	380667	32.399	ng/ml
39)	Aroclor 1254 (6)	8.177	151757	40.252	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.480	810602	72.222	ng/ml
42)	Aroclor 1260 (2)	7.593	227693	16.105	ng/ml
43)	Aroclor 1260 (3)	8.147	39074	3.686	ng/ml
44)	Aroclor 1260 (4)	8.318	94680	3.628	ng/ml

536.798

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:57 pm
Operator : MJB / KAK
Sample : 0D10012-ICV5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:02:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.617	73269	4.327 ng/ml
46)	Aroclor 1260 (6)	9.003	22788	3.252 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.593	227693	20.607 ng/ml
49)	Aroclor 1262 (2)	7.886	380667	25.073 ng/ml
50)	Aroclor 1262 (3)	8.147	39074	2.967 ng/ml
51)	Aroclor 1262 (4)	8.318	94680	3.218 ng/ml
52)	Aroclor 1262 (5)	8.617	73269	4.042 ng/ml
53)	Aroclor 1262 (6)	9.003	22788	2.359 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.147	39074	5.504 ng/ml
56)	Aroclor 1268 (2)	8.565	21865	0.628 ng/ml
57)	Aroclor 1268 (3)	8.617	73269	2.531 ng/ml
58)	Aroclor 1268 (4)	8.790	5247	0.204 ng/ml
59)	Aroclor 1268 (5)	9.003	22788	2.096 ng/ml
60)	Aroclor 1268 (6)	9.255	11966	0.153 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

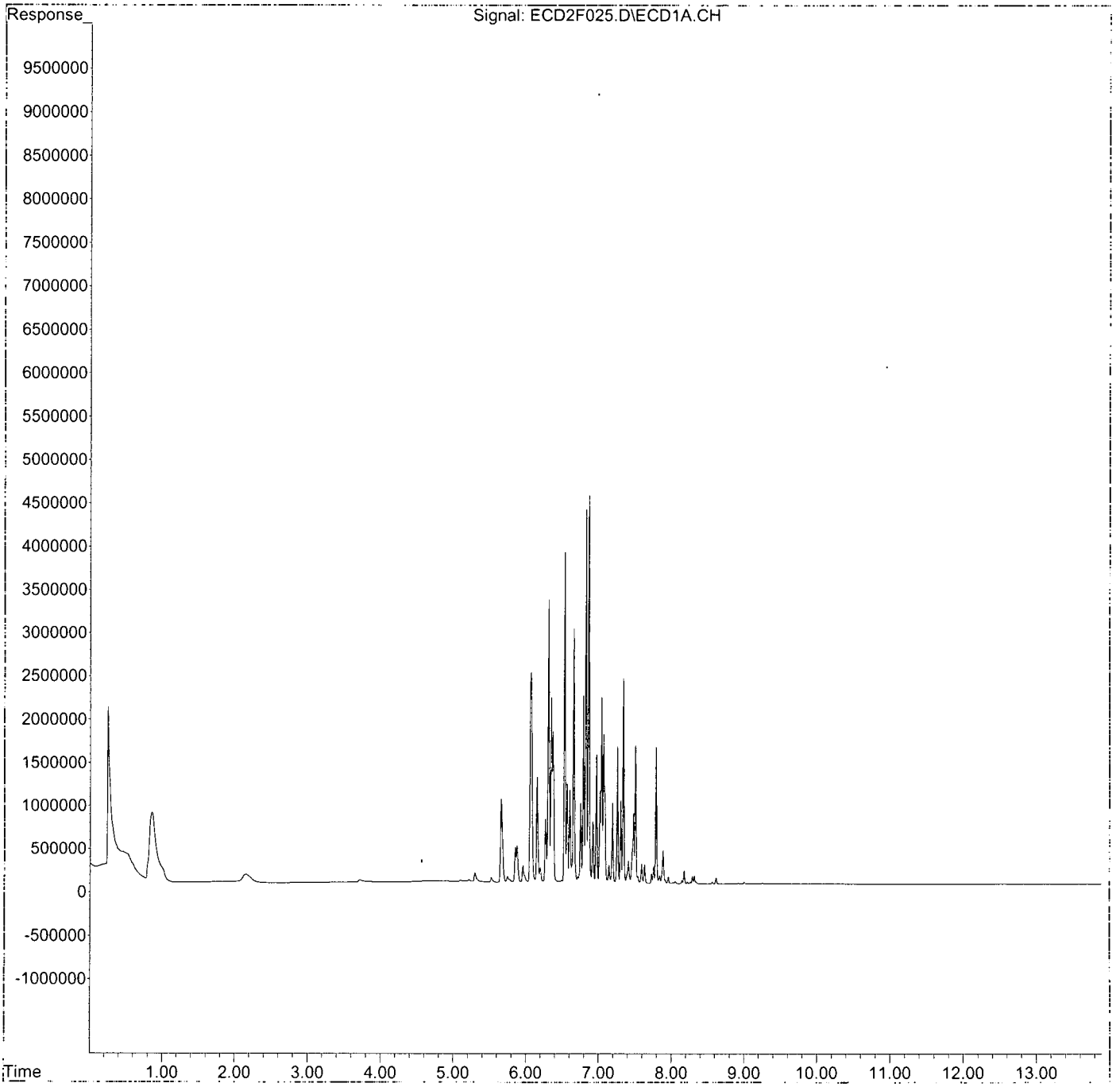
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 7:57 pm
Operator : MJB / KAK
Sample : 0D10012-ICV5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 09:02:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:22 pm
Operator : MJB / KAK
Sample : 0D10012-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:42:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.747	653005	8.575	ng/ml
62) S	DCBP (S)	9.484	1478905	9.724	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.660	112716	23.678	ng/ml
3)	Aroclor 1016 (2)	6.073	216714	21.059	ng/ml
4)	Aroclor 1016 (3)	6.155	121068	22.677	ng/ml
5)	Aroclor 1016 (4)	6.312	113806	23.590	ng/ml
6)	Aroclor 1016 (5)	6.533	137417	24.273	ng/ml
7)	Aroclor 1016 (6)	6.659	97959	24.046	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.460	258659	23.046	ng/ml
42)	Aroclor 1260 (2)	7.594	306481	21.678	ng/ml
43)	Aroclor 1260 (3)	8.148	243912	23.006	ng/ml
44)	Aroclor 1260 (4)	8.319	532171	20.394	ng/ml

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:22 pm
Operator : MJB / KAK
Sample : 0D10012-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:42:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	361897	21.373	ng/ml
46)	Aroclor 1260 (6)	9.004	159541	22.768	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

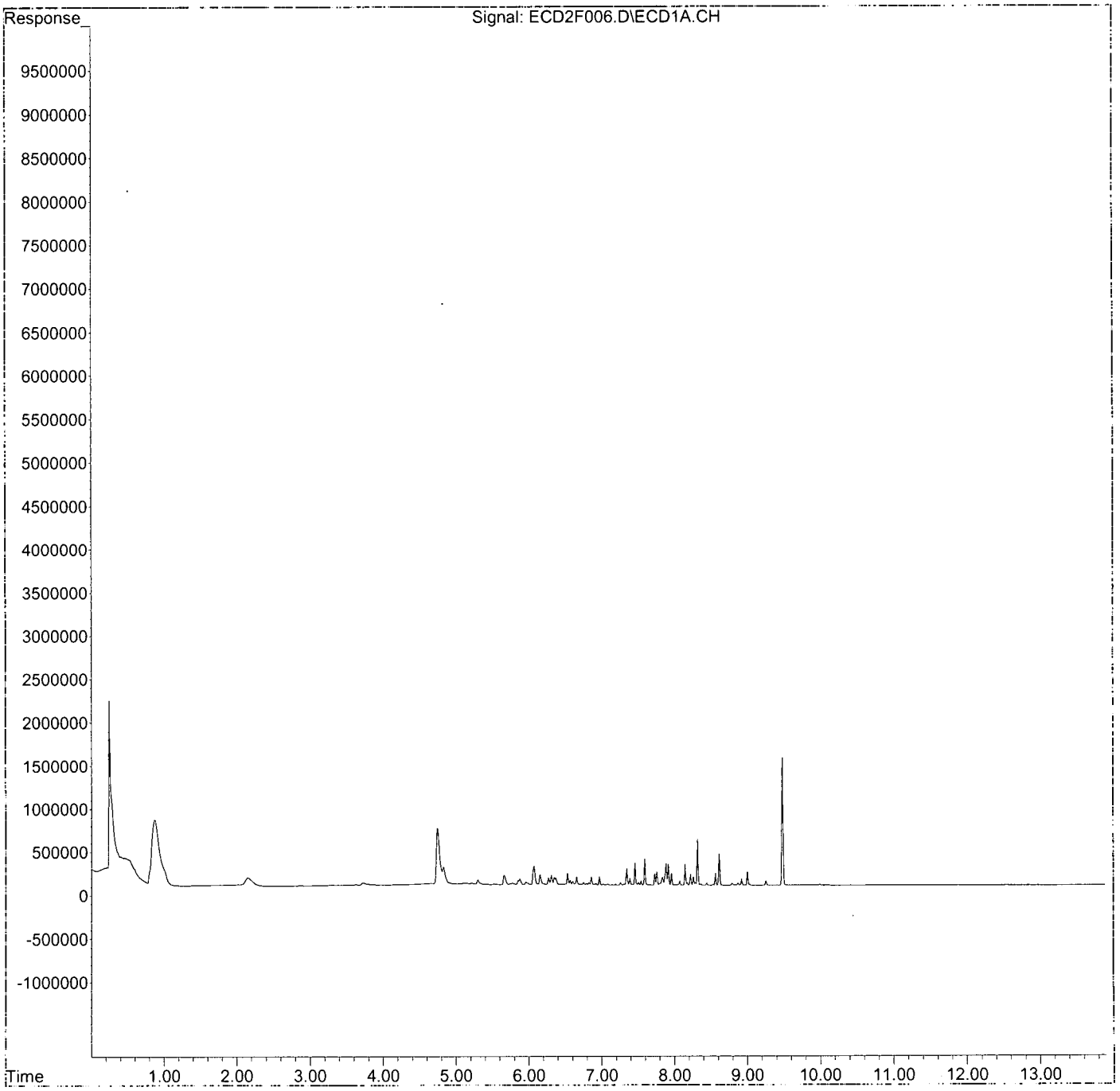
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:22 pm
Operator : MJB / KAK
Sample : 0D10012-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:42:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:40 pm
Operator : MJB / KAK
Sample : 0D10012-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:43:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.749	1745651	22.924	ng/ml ✓
62)	S DCBP (S)	9.483	3809488	25.048	ng/ml ✓
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	265806	55.837	ng/ml
3)	Aroclor 1016 (2)	6.071	537553	52.236	ng/ml
4)	Aroclor 1016 (3)	6.154	296763	55.587	ng/ml
5)	Aroclor 1016 (4)	6.311	268245	55.603	ng/ml
6)	Aroclor 1016 (5)	6.532	312478	55.196	ng/ml
7)	Aroclor 1016 (6)	6.658	223485	54.860	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.458	589293	52.504	ng/ml
42)	Aroclor 1260 (2)	7.593	729966	51.631	ng/ml
43)	Aroclor 1260 (3)	8.148	560283	52.847	ng/ml
44)	Aroclor 1260 (4)	8.319	1308551	50.146	ng/ml

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:40 pm
Operator : MJB / KAK
Sample : 0D10012-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:43:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.616	850471	50.228	ng/ml
46)	Aroclor 1260 (6)	9.004	370891	52.930	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

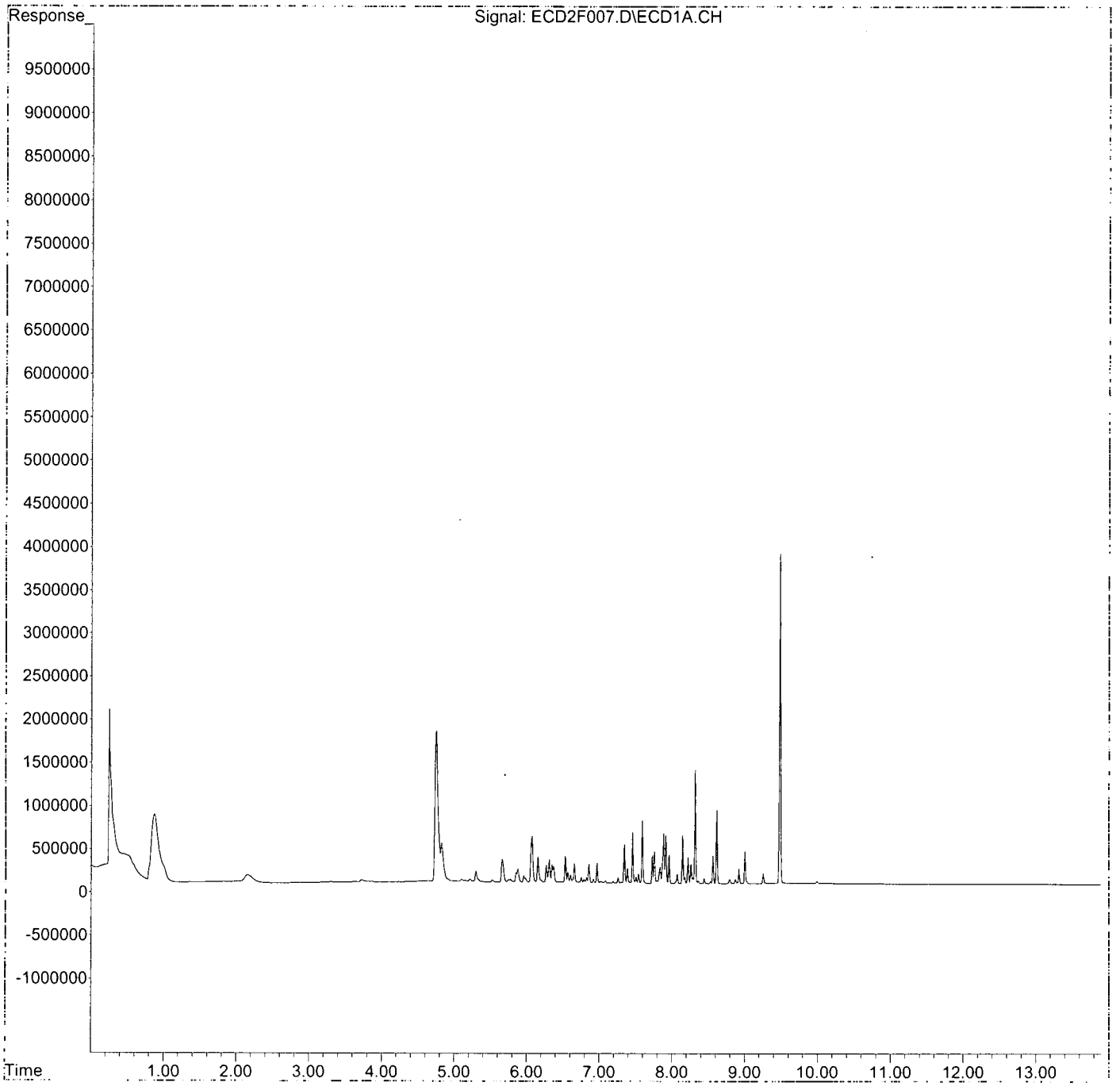
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:40 pm
Operator : MJB / KAK
Sample : 0D10012-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:43:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:57 pm
Operator : MJB / KAK
Sample : 0D10012-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:45:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.744	3510783	46.104	ng/ml
62)	S DCBP (S)	9.484	7498264	49.302	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.660	479662	100.760	ng/ml
3)	Aroclor 1016 (2)	6.072	997133	96.896	ng/ml
4)	Aroclor 1016 (3)	6.154	543635	101.828	ng/ml
5)	Aroclor 1016 (4)	6.311	479761	99.447	ng/ml
6)	Aroclor 1016 (5)	6.533	565722	99.928	ng/ml
7)	Aroclor 1016 (6)	6.658	408608	100.302	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.459	1097918	97.821	ng/ml
42)	Aroclor 1260 (2)	7.594	1427060	100.937	ng/ml
43)	Aroclor 1260 (3)	8.148	1056080	99.611	ng/ml
44)	Aroclor 1260 (4)	8.319	2550777	97.750	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:57 pm
Operator : MJB / KAK
Sample : 0D10012-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:45:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	1683464	99.423	ng/ml
46)	Aroclor 1260 (6)	9.004	676553	96.551	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

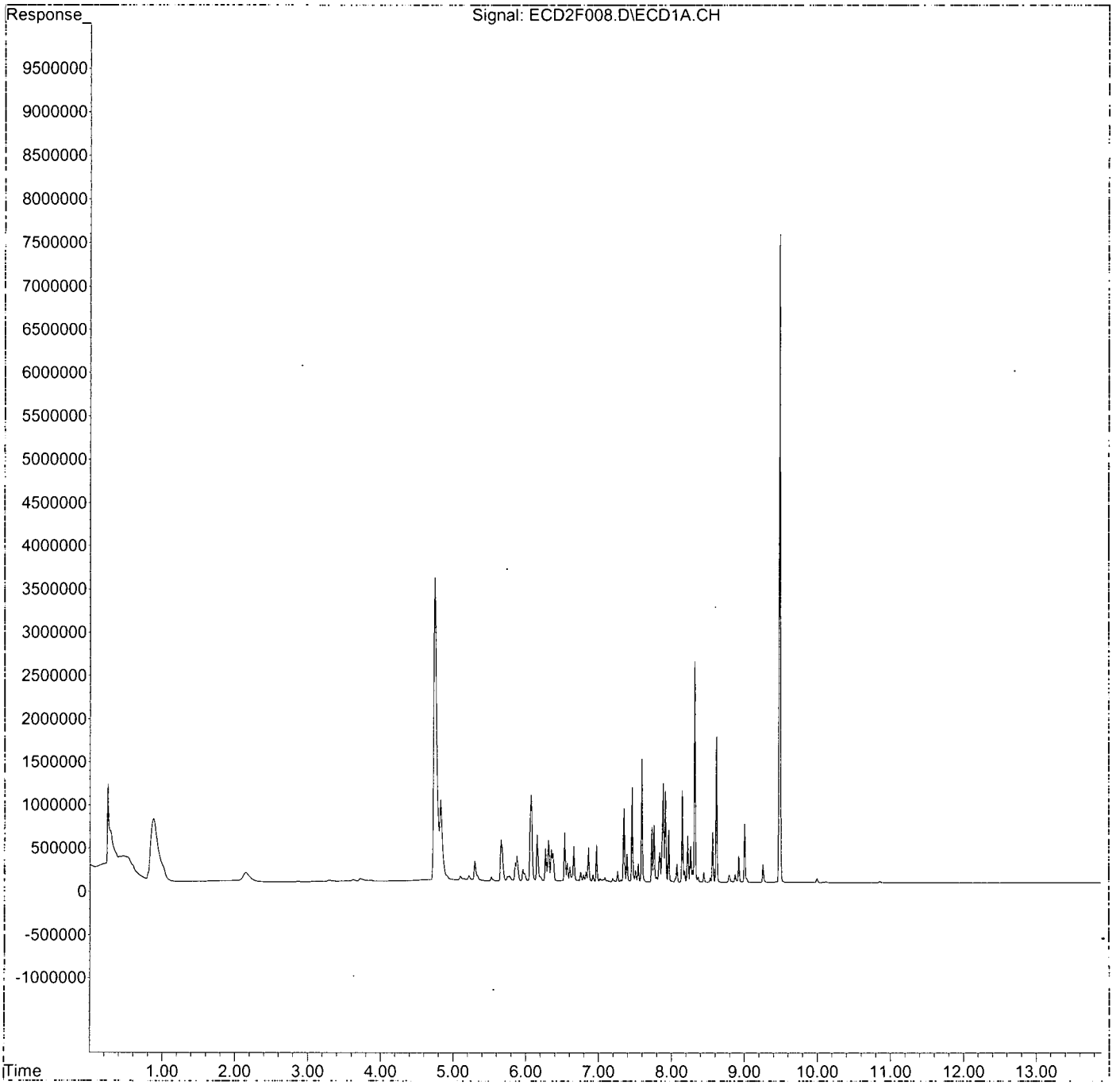
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:57 pm
Operator : MJB / KAK
Sample : 0D10012-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:45:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:15 pm
Operator : MJB / KAK
Sample : 0D10012-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:46:57 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.742	7397598	97.147	ng/ml
62)	S DCBP (S)	9.483	15288276	100.522	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.658	919253	193.103	ng/ml
3)	Aroclor 1016 (2)	6.071	1989984	193.376	ng/ml
4)	Aroclor 1016 (3)	6.154	1009652	189.118	ng/ml
5)	Aroclor 1016 (4)	6.310	917489	190.181	ng/ml
6)	Aroclor 1016 (5)	6.532	1077762	190.374	ng/ml
7)	Aroclor 1016 (6)	6.658	781980	191.956	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.459	2141237	190.778	ng/ml
42)	Aroclor 1260 (2)	7.593	2810828	198.812	ng/ml
43)	Aroclor 1260 (3)	8.147	2034737	191.920	ng/ml
44)	Aroclor 1260 (4)	8.318	5070521	194.311	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:15 pm
Operator : MJB / KAK
Sample : 0D10012-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:46:57 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.616	3367644	198.888	ng/ml
46)	Aroclor 1260 (6)	9.003	1350079	192.670	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

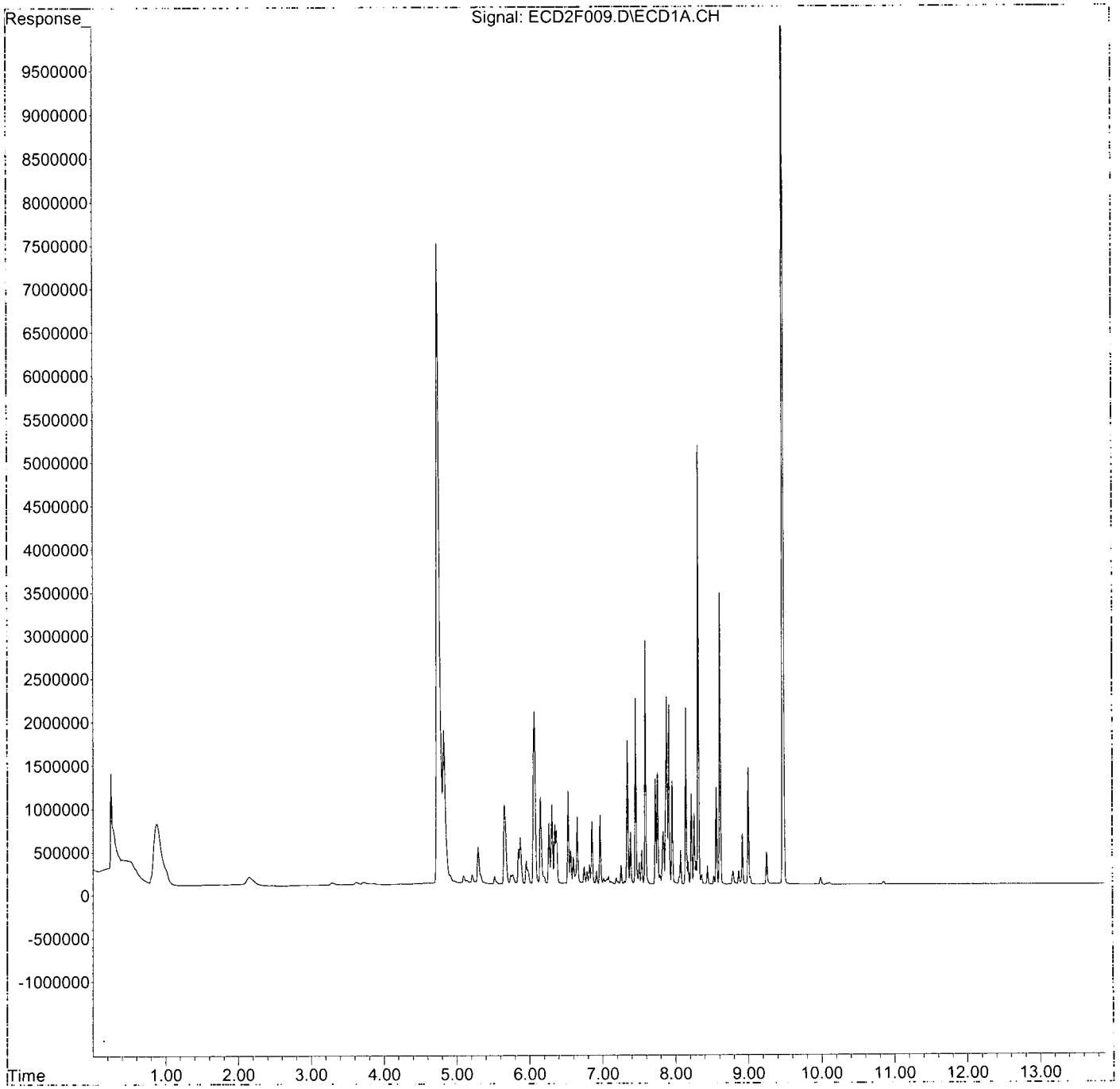
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:15 pm
Operator : MJB / KAK
Sample : 0D10012-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:46:57 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:33 pm
Operator : MJB / KAK
Sample : 0D10012-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:48:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.741	17837175	234.241	ng/ml ✓
62) S	DCBP (S)	9.484	35382029	232.640	ng/ml ✓
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	2171796	456.218	ng/ml
3)	Aroclor 1016 (2)	6.071	4984786	484.394	ng/ml
4)	Aroclor 1016 (3)	6.153	2486753	465.795	ng/ml
5)	Aroclor 1016 (4)	6.311	2231051	462.462	ng/ml ✓
6)	Aroclor 1016 (5)	6.532	2697487	476.479	ng/ml
7)	Aroclor 1016 (6)	6.658	1880122	461.521	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.459	5308633	472.983	ng/ml
42)	Aroclor 1260 (2)	7.593	6824795	482.723	ng/ml ✓
43)	Aroclor 1260 (3)	8.147	4921592	464.213	ng/ml
44)	Aroclor 1260 (4)	8.318	12906773	494.609	ng/ml

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:33 pm
Operator : MJB / KAK
Sample : 0D10012-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:48:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	8226234	485.829	ng/ml
46)	Aroclor 1260 (6)	9.004	3319255	473.693	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

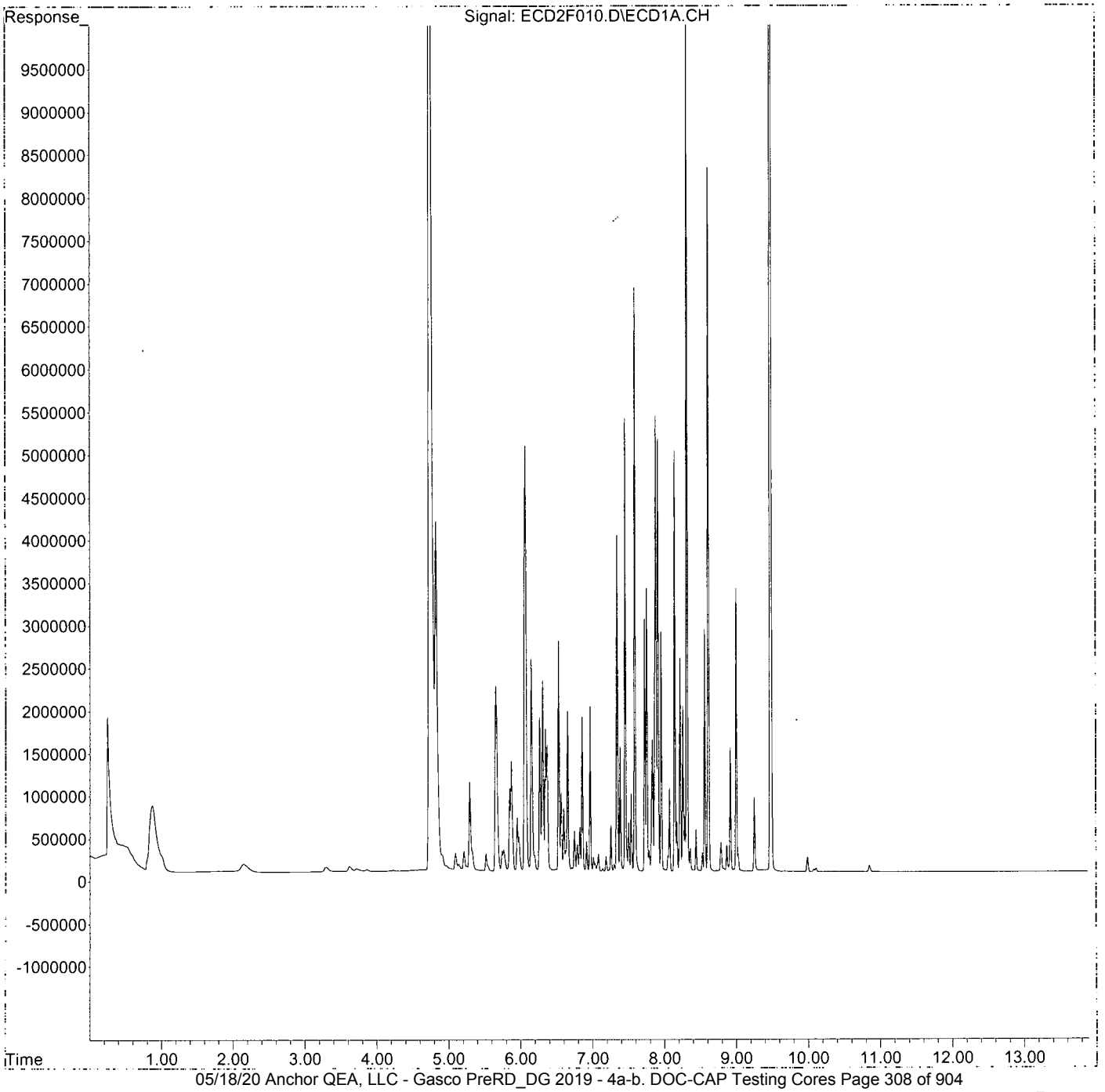
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:33 pm
Operator : MJB / KAK
Sample : 0D10012-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:48:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:50 pm
Operator : MJB / KAK
Sample : 0D10012-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:50:01 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.743	43207274	567.406	ng/ml
62)	S DCBP (S)	9.485	78559992	516.538	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	4293628	901.941	ng/ml
3)	Aroclor 1016 (2)	6.071	10051200	976.719	ng/ml
4)	Aroclor 1016 (3)	6.153	4831278	904.949	ng/ml
5)	Aroclor 1016 (4)	6.310	4347874	901.247	ng/ml
6)	Aroclor 1016 (5)	6.532	5043851	890.937	ng/ml
7)	Aroclor 1016 (6)	6.658	3670234	900.947	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.459	10695705	952.955	ng/ml
42)	Aroclor 1260 (2)	7.594	13330363	942.867	ng/ml
43)	Aroclor 1260 (3)	8.148	10197047	961.802	ng/ml
44)	Aroclor 1260 (4)	8.319	25942902	994.174	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:50 pm
Operator : MJB / KAK
Sample : 0D10012-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:50:01 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	16754151	989.475	ng/ml
46)	Aroclor 1260 (6)	9.004	6589832	940.438	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

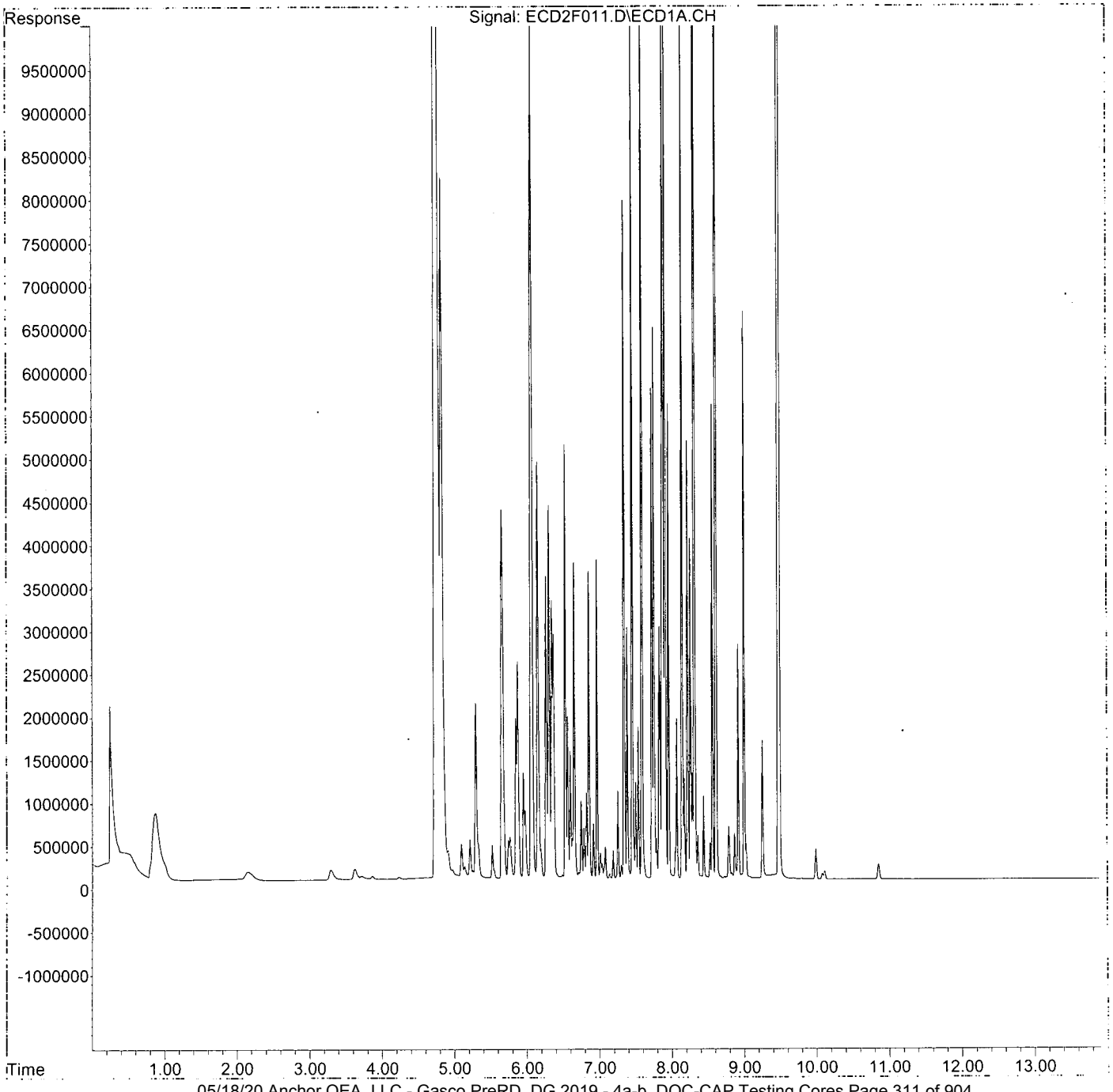
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:50 pm
Operator : MJB / KAK
Sample : 0D10012-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:50:01 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:08 pm
Operator : MJB / KAK
Sample : 0D10012-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:51:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.745	76768382	1008.136	ng/ml
62) S	DCBP (S)	9.486	130288167	856.655	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	6511455	1367.829	ng/ml
3)	Aroclor 1016 (2)	6.072	15759923	1531.461	ng/ml
4)	Aroclor 1016 (3)	6.153	7639618	1430.980	ng/ml
5)	Aroclor 1016 (4)	6.311	6779647	1405.316	ng/ml
6)	Aroclor 1016 (5)	6.532	7535657	1331.085	ng/ml
7)	Aroclor 1016 (6)	6.658	5583278	1370.549	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.460	16273368	1449.908	ng/ml
42)	Aroclor 1260 (2)	7.594	20608083	1457.626	ng/ml
43)	Aroclor 1260 (3)	8.148	15057281	1420.227	ng/ml
44)	Aroclor 1260 (4)	8.319	40902108	1567.435	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:08 pm
Operator : MJB / KAK
Sample : 0D10012-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:51:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	24814194	1465.489	ng/ml
46)	Aroclor 1260 (6)	9.004	10366776	1479.448	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

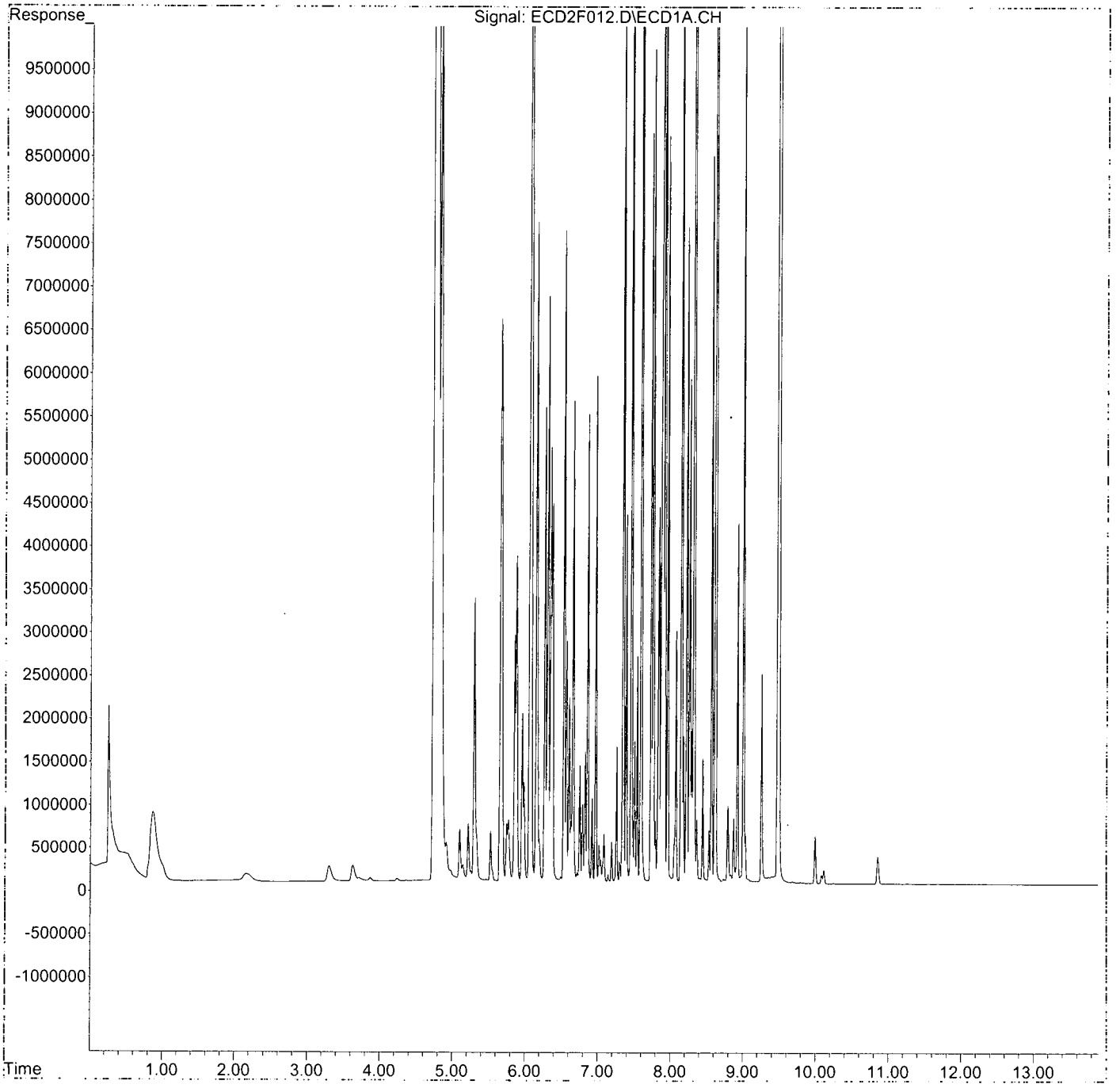
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:08 pm
Operator : MJB / KAK
Sample : 0D10012-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:51:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:40:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Sequence: C:\HPCHEM\2\SEQUENCE\0D10012.S

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Hexane	E2A21015	1	Sample		
2	Vial 2	0D10012-CCV1	E2A21015	1	Sample		
3	Vial 3	0D10012-CCB1	E2A21015	1	Sample		
4	Vial 1	Hexane	E2A21015	1	Sample		
5	Vial 3	0D10012-ICB1	E2A21015	1	Sample		
6	Vial 4	0D10012-CAL1	E2A21015	1	Sample		
7	Vial 5	0D10012-CAL2	E2A21015	1	Sample		
8	Vial 6	0D10012-CAL3	E2A21015	1	Sample		
9	Vial 7	0D10012-CAL4	E2A21015	1	Sample		
10	Vial 8	0D10012-CAL5	E2A21015	1	Sample		
11	Vial 9	0D10012-CAL6	E2A21015	1	Sample		
12	Vial 10	0D10012-CAL7	E2A21015	1	Sample		
13	Vial 1	0D10012-IBL1	E2A21015	1	Sample		
14	Vial 11	0D10012-ICV1	E2A21015	1	Sample		
15	Vial 12	0D10012-CAL8	E2A21015	1	Sample		
16	Vial 13	0D10012-CAL9	E2A21015	1	Sample		
17	Vial 14	0D10012-CALA	E2A21015	1	Sample		
18	Vial 15	0D10012-CALB	E2A21015	1	Sample		
19	Vial 16	0D10012-CALC	E2A21015	1	Sample		
20	Vial 17	0D10012-CALD	E2A21015	1	Sample		
21	Vial 18	0D10012-CALE	E2A21015	1	Sample		
22	Vial 19	0D10012-ICV2	E2A21015	1	Sample		
23	Vial 20	0D10012-ICV3	E2A21015	1	Sample		
24	Vial 21	0D10012-ICV4	E2A21015	1	Sample		
25	Vial 22	0D10012-ICV5	E2A21015	1	Sample		

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Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Hexane	E2A21015	1	Sample		
2	Vial 52	0D10013-CCV1	E2A21015	1	Sample		
3	Vial 53	0D10013-CCB1	E2A21015	1	Sample		
4	Vial 51	Hexane	E2A21015	1	Sample		
5	Vial 51	Hexane	E2A21015	1	Sample		
6	Vial 51	Hexane	E2A21015	1	Sample		
7	Vial 51	Hexane	E2A21015	1	Sample		
8	Vial 51	Hexane	E2A21015	1	Sample		
9	Vial 51	Hexane	E2A21015	1	Sample		
10	Vial 51	Hexane	E2A21015	1	Sample		
11	Vial 51	Hexane	E2A21015	1	Sample		
12	Vial 51	Hexane	E2A21015	1	Sample		
13	Vial 51	Hexane	E2A21015	1	Sample		
14	Vial 51	Hexane	E2A21015	1	Sample		
15	Vial 51	Hexane	E2A21015	1	Sample		
16	Vial 51	Hexane	E2A21015	1	Sample		
17	Vial 51	Hexane	E2A21015	1	Sample		
18	Vial 51	Hexane	E2A21015	1	Sample		
19	Vial 51	Hexane	E2A21015	1	Sample		
20	Vial 51	Hexane	E2A21015	1	Sample		
21	Vial 51	Hexane	E2A21015	1	Sample		
22	Vial 51	Hexane	E2A21015	1	Sample		
23	Vial 51	Hexane	E2A21015	1	Sample		
24	Vial 51	Hexane	E2A21015	1	Sample		
25	Vial 51	Hexane	E2A21015	1	Sample		

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:22 pm
Operator : MJB / KAK
Sample : 0D10012-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:00:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.747	653005	8.273	ng/ml
62)	S DCBP (S)	9.484	1478905	10.887	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.660	112716	24.462	ng/ml
3)	Aroclor 1016 (2)	6.073	216714	24.626	ng/ml
4)	Aroclor 1016 (3)	6.155	121068	25.292	ng/ml
5)	Aroclor 1016 (4)	6.312	113806	25.677	ng/ml
6)	Aroclor 1016 (5)	6.533	137417	26.868	ng/ml
7)	Aroclor 1016 (6)	6.659	97959	26.499	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.460	258659	25.429	ng/ml
42)	Aroclor 1260 (2)	7.594	306481	24.243	ng/ml
43)	Aroclor 1260 (3)	8.148	243912	25.667	ng/ml
44)	Aroclor 1260 (4)	8.319	532171	23.656	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:22 pm
Operator : MJB / KAK
Sample : 0D10012-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:00:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	361897	23.811	ng/ml
46)	Aroclor 1260 (6)	9.004	159541	25.989	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

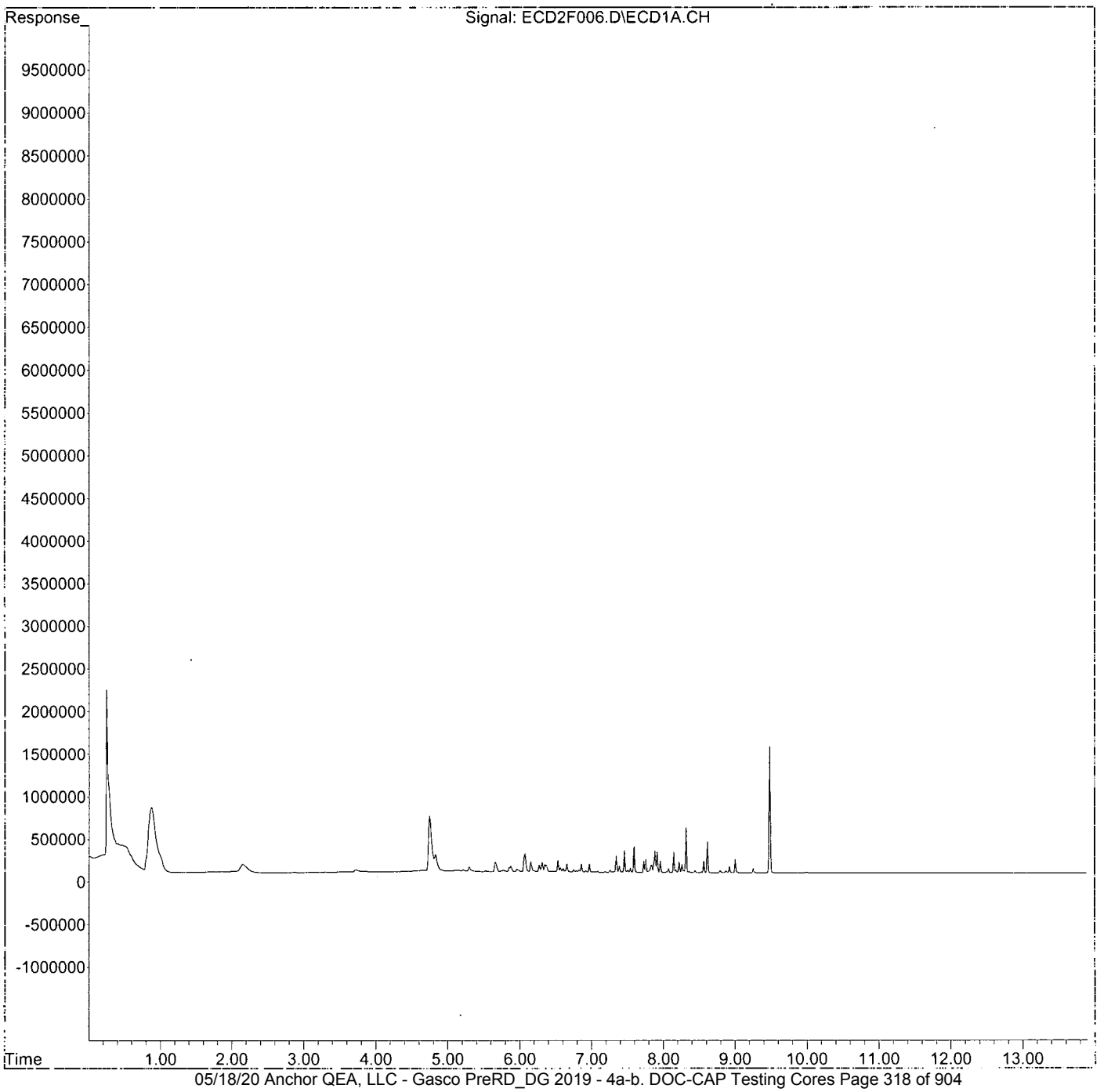
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:22 pm
Operator : MJB / KAK
Sample : 0D10012-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:00:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:40 pm
Operator : MJB / KAK
Sample : 0D10012-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:01:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.749	1745651	22.117	ng/ml
62) S	DCBP (S)	9.483	3809488	28.044	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	265806	57.687	ng/ml
3)	Aroclor 1016 (2)	6.071	537553	61.084	ng/ml
4)	Aroclor 1016 (3)	6.154	296763	61.997	ng/ml
5)	Aroclor 1016 (4)	6.311	268245	60.521	ng/ml
6)	Aroclor 1016 (5)	6.532	312478	61.097	ng/ml
7)	Aroclor 1016 (6)	6.658	223485	60.456	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.458	589293	57.933	ng/ml
42)	Aroclor 1260 (2)	7.593	729966	57.741	ng/ml
43)	Aroclor 1260 (3)	8.148	560283	58.958	ng/ml
44)	Aroclor 1260 (4)	8.319	1308551	58.169	ng/ml

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:40 pm
Operator : MJB / KAK
Sample : 0D10012-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:01:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.616	850471	55.958	ng/ml
46)	Aroclor 1260 (6)	9.004	370891	60.417	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

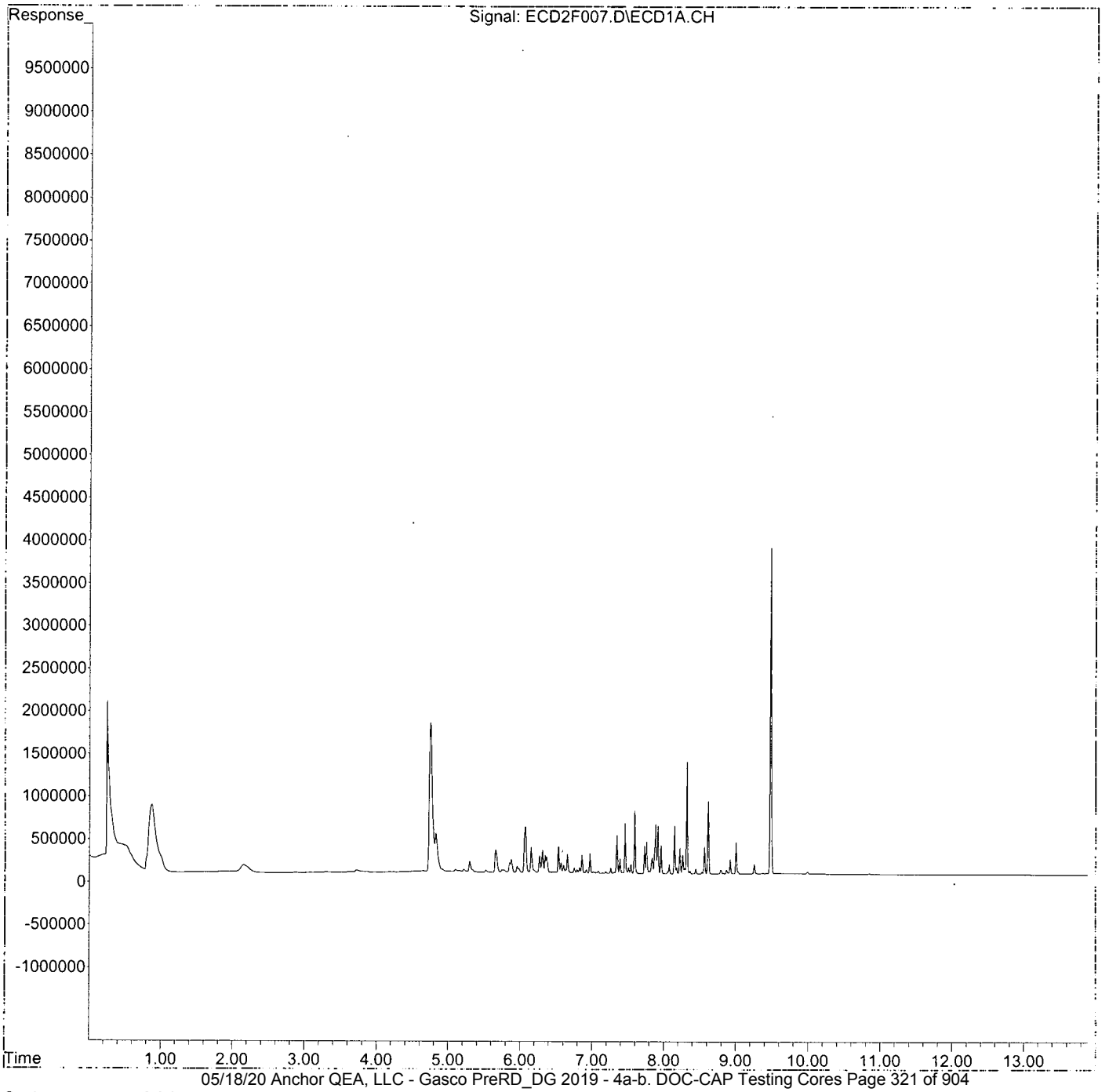
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:40 pm
Operator : MJB / KAK
Sample : 0D10012-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:01:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:57 pm
Operator : MJB / KAK
Sample : 0D10012-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:03:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.744	3510783	44.480	ng/ml
62) S	DCBP (S)	9.484	7498264	55.199	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.660	479662	104.098	ng/ml
3)	Aroclor 1016 (2)	6.072	997133	113.308	ng/ml
4)	Aroclor 1016 (3)	6.154	543635	113.571	ng/ml
5)	Aroclor 1016 (4)	6.311	479761	108.244	ng/ml
6)	Aroclor 1016 (5)	6.533	565722	110.612	ng/ml
7)	Aroclor 1016 (6)	6.658	408608	110.534	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.459	1097918	107.935	ng/ml
42)	Aroclor 1260 (2)	7.594	1427060	112.881	ng/ml
43)	Aroclor 1260 (3)	8.148	1056080	111.131	ng/ml
44)	Aroclor 1260 (4)	8.319	2550777	113.389	ng/ml

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:57 pm
Operator : MJB / KAK
Sample : 0D10012-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:03:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	1683464	110.765	ng/ml
46)	Aroclor 1260 (6)	9.004	676553	110.208	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

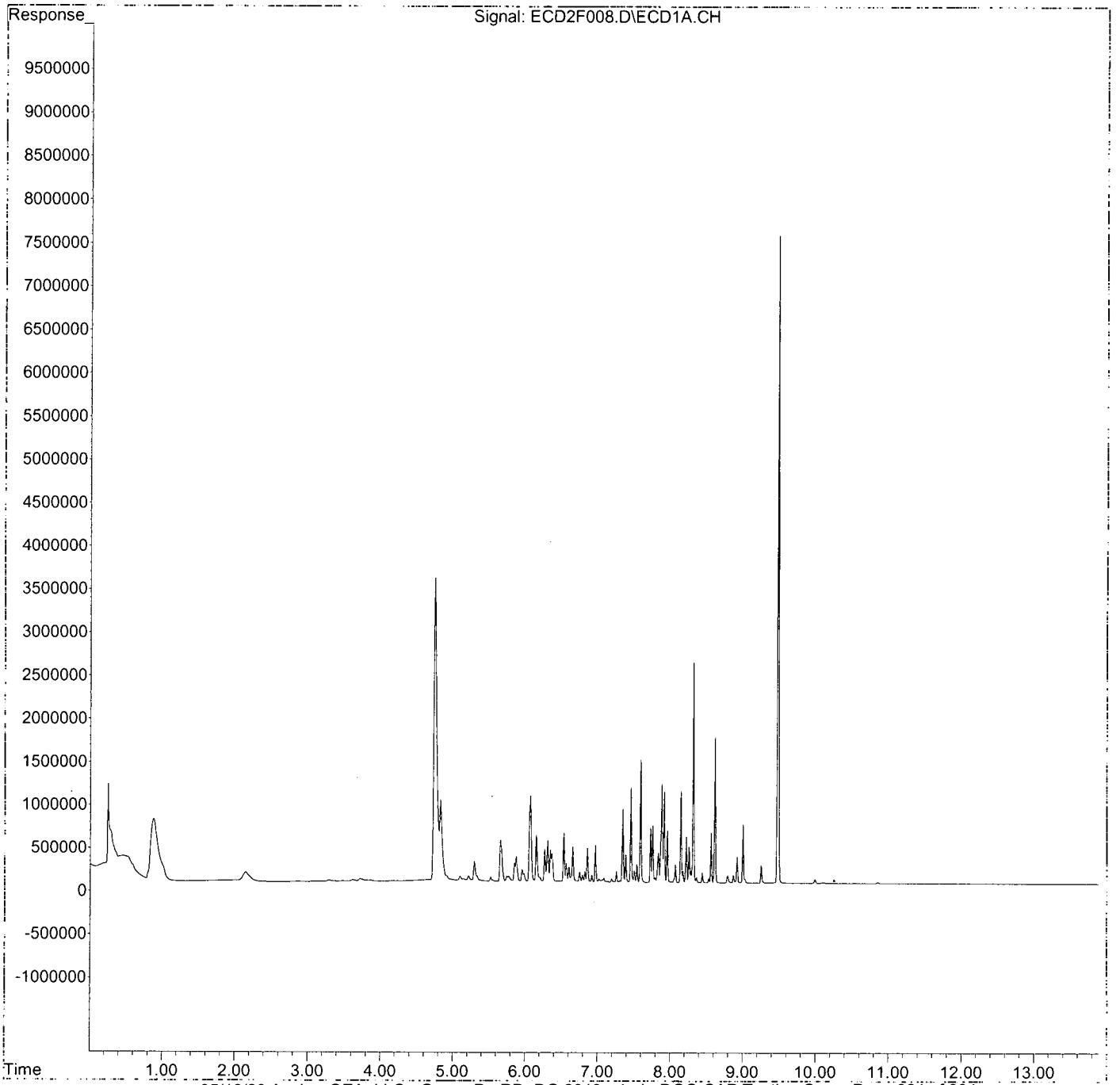
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 2:57 pm
Operator : MJB / KAK
Sample : 0D10012-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:03:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:15 pm
Operator : MJB / KAK
Sample : 0D10012-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:04:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.742	7397598	93.725	ng/ml
62) S	DCBP (S)	9.483	15288276	112.546	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.658	919253	199.502	ng/ml
3)	Aroclor 1016 (2)	6.071	1989984	226.128	ng/ml
4)	Aroclor 1016 (3)	6.154	1009652	210.927	ng/ml
5)	Aroclor 1016 (4)	6.310	917489	207.004	ng/ml
6)	Aroclor 1016 (5)	6.532	1077762	210.728	ng/ml
7)	Aroclor 1016 (6)	6.658	781980	211.536	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.459	2141237	210.503	ng/ml
42)	Aroclor 1260 (2)	7.593	2810828	222.337	ng/ml
43)	Aroclor 1260 (3)	8.147	2034737	214.114	ng/ml
44)	Aroclor 1260 (4)	8.318	5070521	225.398	ng/ml

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:15 pm
Operator : MJB / KAK
Sample : 0D10012-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:04:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.616	3367644	221.578	ng/ml
46)	Aroclor 1260 (6)	9.003	1350079	219.923	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

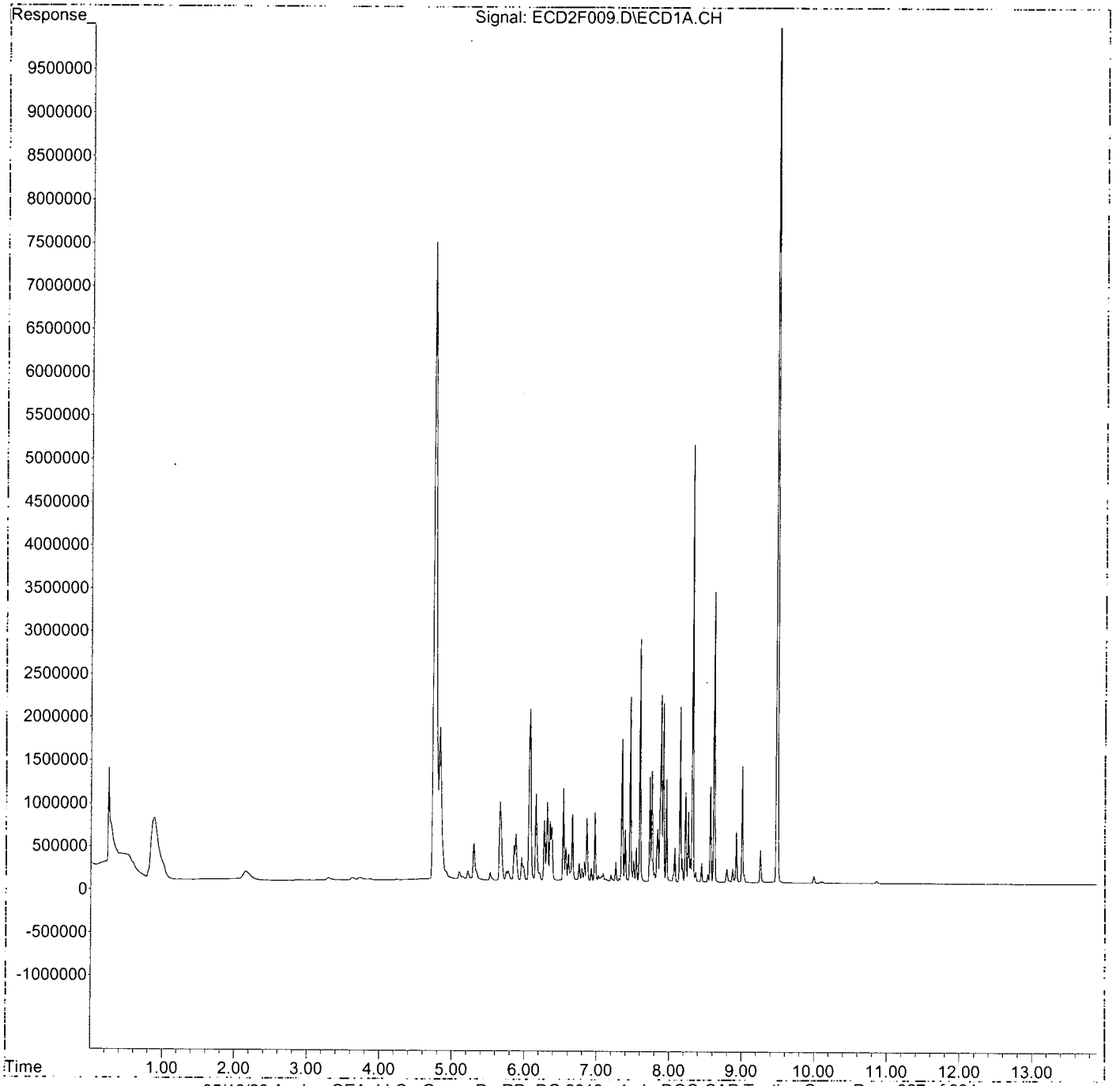
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:15 pm
Operator : MJB / KAK
Sample : 0D10012-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:04:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:33 pm
Operator : MJB / KAK
Sample : 0D10012-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:06:06 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.741	17837175	225.991	ng/ml
62) S	DCBP (S)	9.484	35382029	260.469	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	2171796	471.336	ng/ml
3)	Aroclor 1016 (2)	6.071	4984786	566.437	ng/ml
4)	Aroclor 1016 (3)	6.153	2486753	519.508	ng/ml
5)	Aroclor 1016 (4)	6.311	2231051	503.369	ng/ml
6)	Aroclor 1016 (5)	6.532	2697487	527.422	ng/ml
7)	Aroclor 1016 (6)	6.658	1880122	508.599	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.459	5308633	521.887	ng/ml
42)	Aroclor 1260 (2)	7.593	6824795	539.844	ng/ml
43)	Aroclor 1260 (3)	8.147	4921592	517.896	ng/ml
44)	Aroclor 1260 (4)	8.318	12906773	573.740	ng/ml

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:33 pm
Operator : MJB / KAK
Sample : 0D10012-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:06:06 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	8226234	541.254	ng/ml
46)	Aroclor 1260 (6)	9.004	3319255	540.694	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

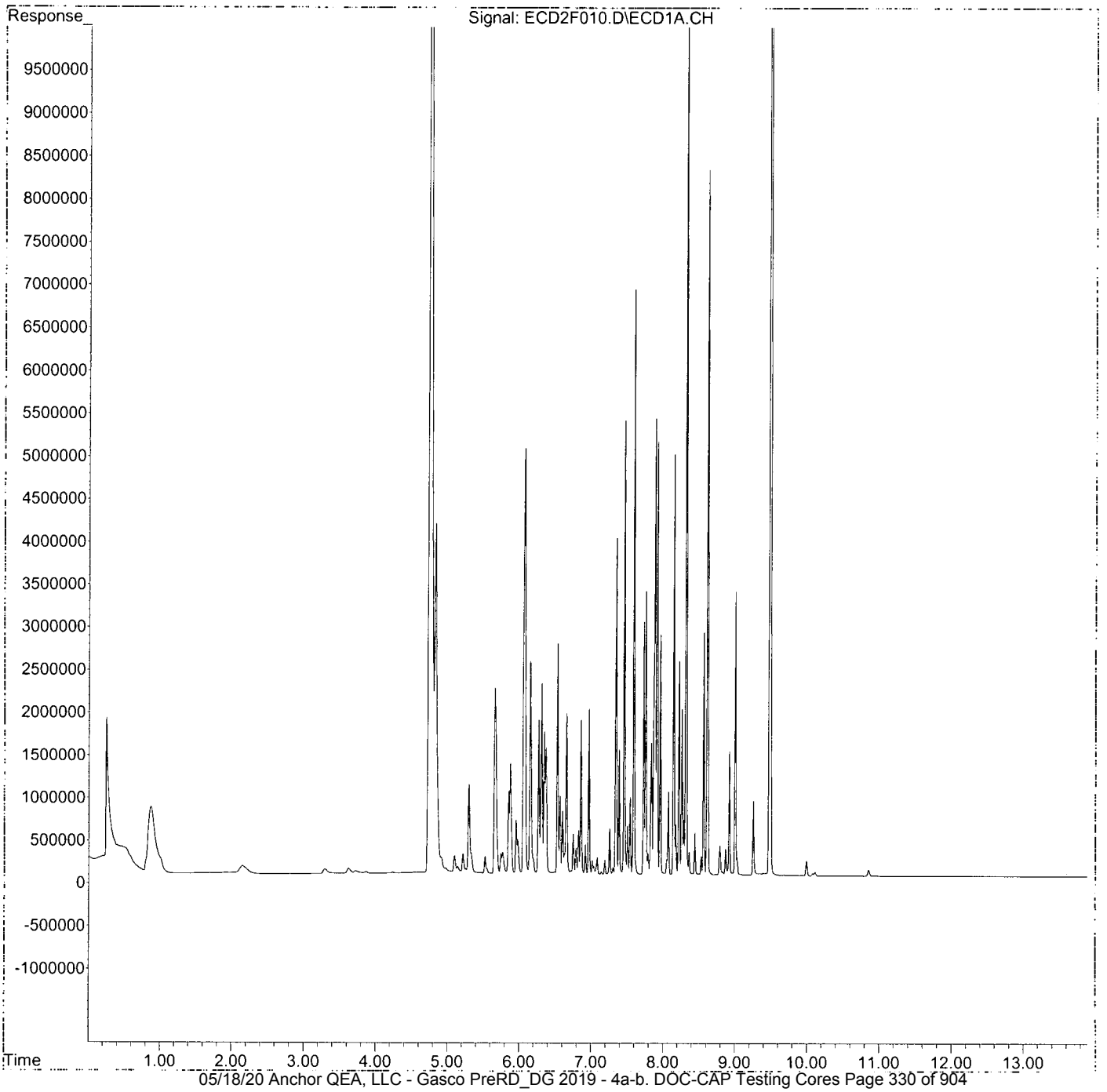
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:33 pm
Operator : MJB / KAK
Sample : 0D10012-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:06:06 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:50 pm
Operator : MJB / KAK
Sample : 0D10012-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:07:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.743	43207274	547.421	ng/ml
62)	S DCBP (S)	9.485	78559992	578.328	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	4293628	931.828	ng/ml
3)	Aroclor 1016 (2)	6.071	10051200	1142.151	ng/ml
4)	Aroclor 1016 (3)	6.153	4831278	1009.303	ng/ml
5)	Aroclor 1016 (4)	6.310	4347874	980.967	ng/ml
6)	Aroclor 1016 (5)	6.532	5043851	986.190	ng/ml
7)	Aroclor 1016 (6)	6.658	3670234	992.849	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.459	10695705	1051.486	ng/ml
42)	Aroclor 1260 (2)	7.594	13330363	1054.436	ng/ml
43)	Aroclor 1260 (3)	8.148	10197047	1073.029	ng/ml
44)	Aroclor 1260 (4)	8.319	25942902	1153.230	ng/ml

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:50 pm
Operator : MJB / KAK
Sample : 0D10012-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:07:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	16754151	1102.357	ng/ml
46)	Aroclor 1260 (6)	9.004	6589832	1073.459	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

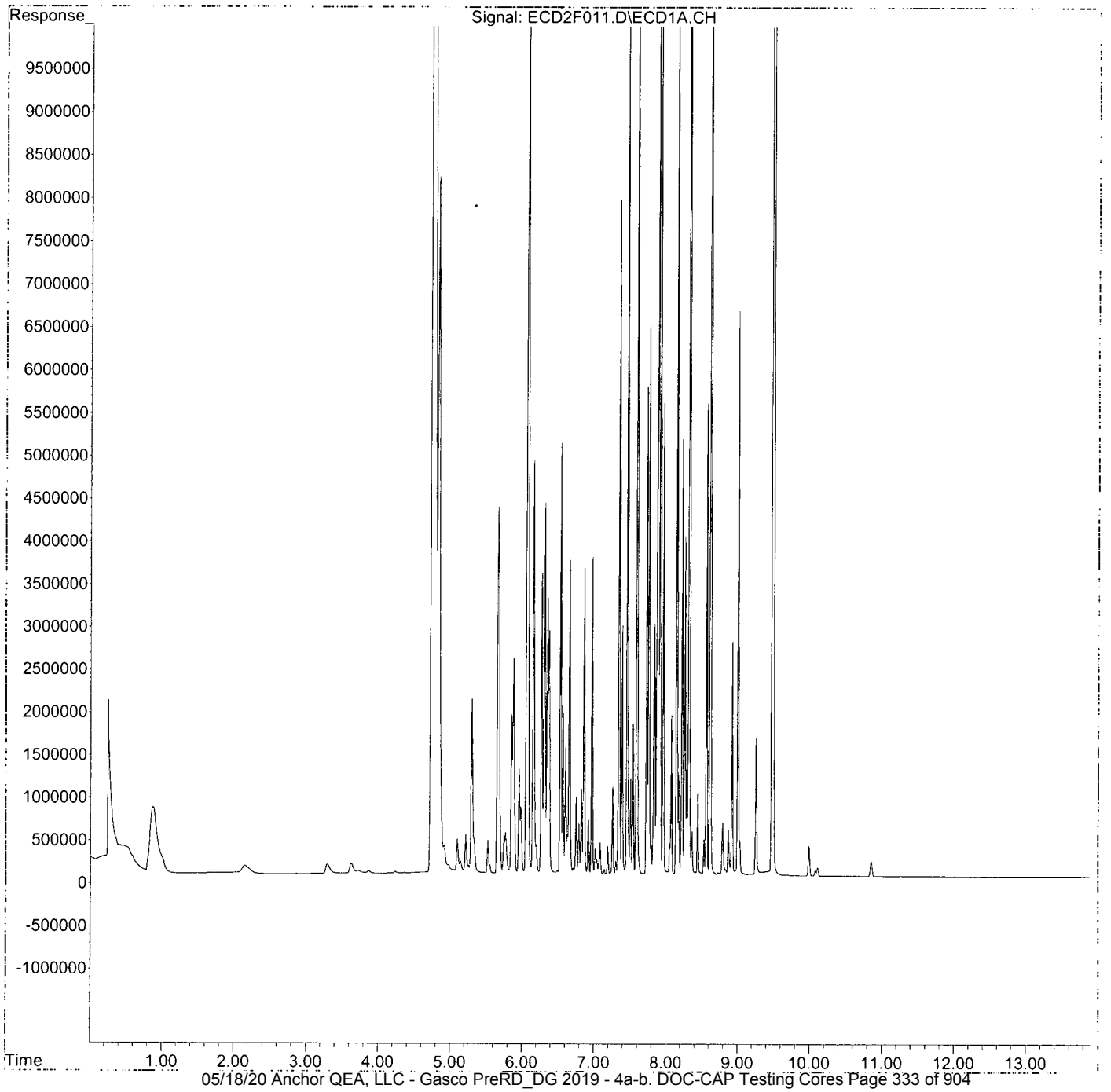
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 3:50 pm
Operator : MJB / KAK
Sample : 0D10012-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:07:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:08 pm
Operator : MJB / KAK
Sample : 0D10012-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:09:08 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.745	76768382	972.628	ng/ml
62)	S DCBP (S)	9.486	130288167	959.130	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.659	6511455	1413.154	ng/ml
3)	Aroclor 1016 (2)	6.072	15759923	1790.852	ng/ml
4)	Aroclor 1016 (3)	6.153	7639618	1595.994	ng/ml
5)	Aroclor 1016 (4)	6.311	6779647	1529.624	ng/ml
6)	Aroclor 1016 (5)	6.532	7535657	1473.397	ng/ml
7)	Aroclor 1016 (6)	6.658	5583278	1510.354	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.460	16273368	1599.821	ng/ml
42)	Aroclor 1260 (2)	7.594	20608083	1630.106	ng/ml
43)	Aroclor 1260 (3)	8.148	15057281	1584.469	ng/ml
44)	Aroclor 1260 (4)	8.319	40902108	1618.206	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:08 pm
Operator : MJB / KAK
Sample : 0D10012-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:09:08 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.617	24814194	1632.676	ng/ml
46)	Aroclor 1260 (6)	9.004	10366776	1688.709	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

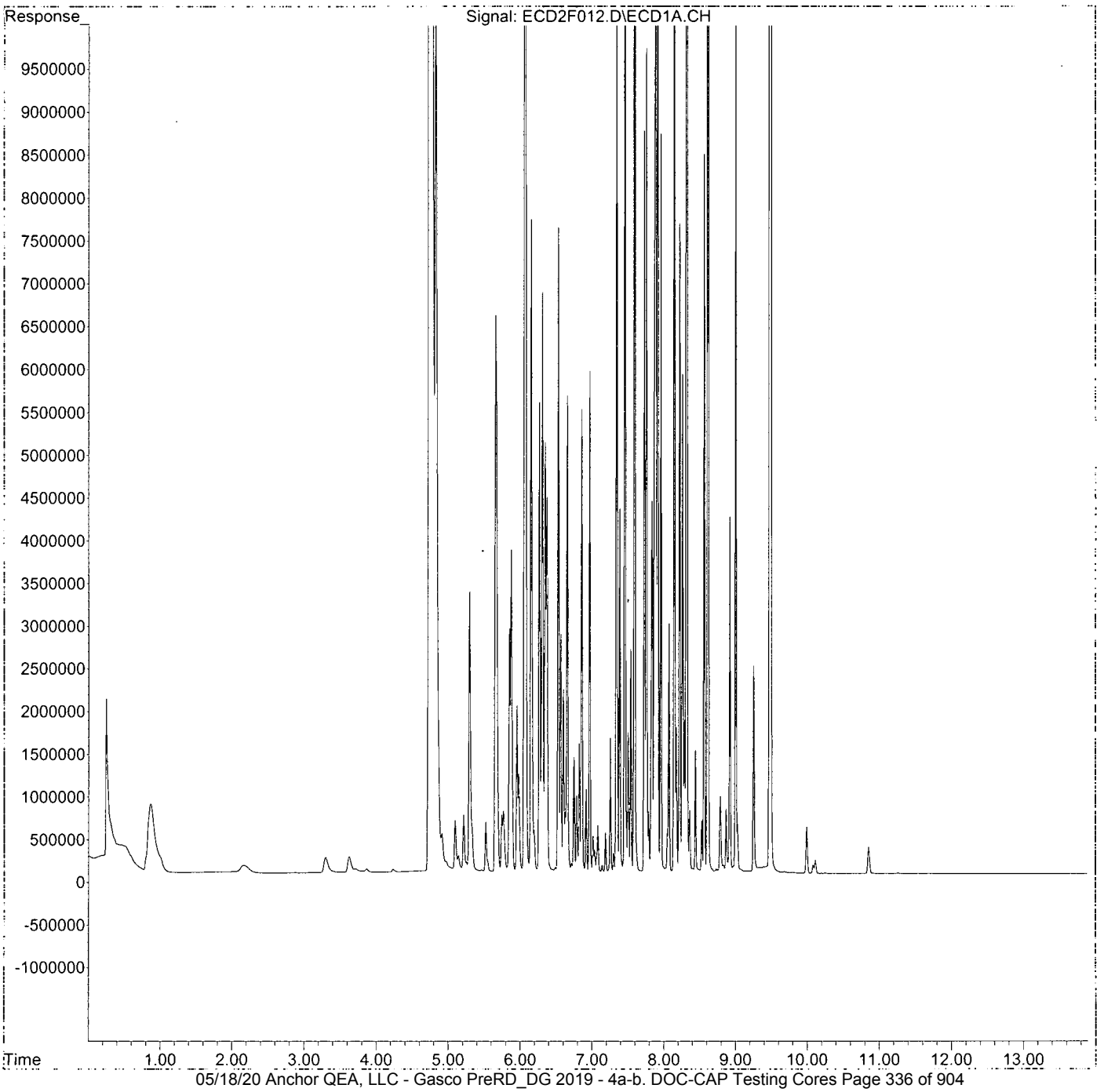
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 4:08 pm
Operator : MJB / KAK
Sample : 0D10012-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:09:08 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 07:58:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:01 pm
Operator : MJB / KAK
Sample : 0D10012-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:10:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:09:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	0.000	0	N.D.	ng/mld
62)	S DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	5.098	725100	531.865	ng/ml
10)	Aroclor 1221 (2)	5.216	488773	530.574	ng/ml
11)	Aroclor 1221 (3)	5.297	1584360	558.442	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:01 pm
Operator : MJB / KAK
Sample : 0D10012-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:10:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:09:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
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

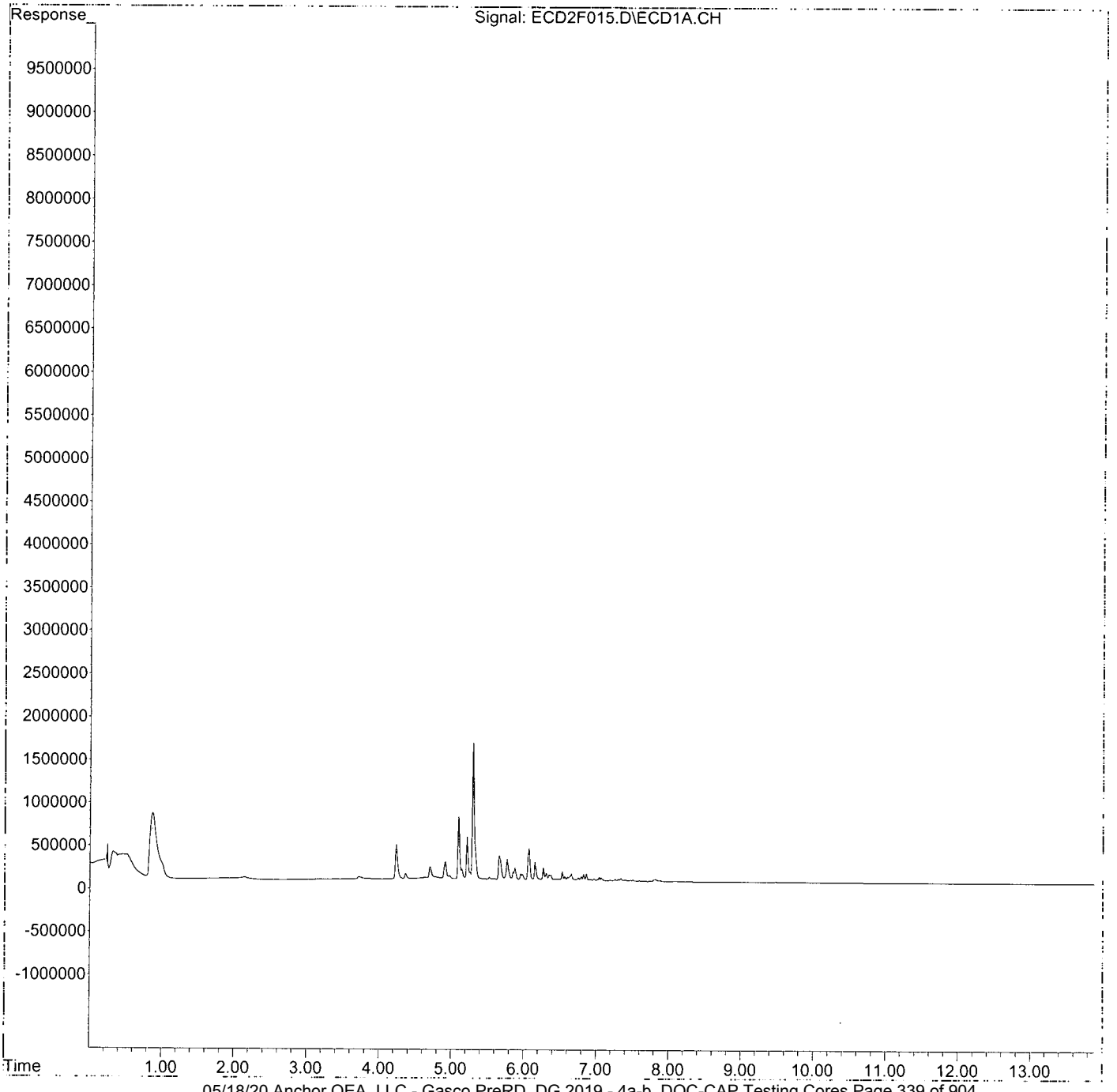
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:01 pm
Operator : MJB / KAK
Sample : 0D10012-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:10:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:09:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:19 pm
Operator : MJB / KAK
Sample : 0D10012-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:12:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:11:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	5.297	1297365	548.370	ng/ml
14)	Aroclor 1232 (2)	6.072	2120083	590.999	ng/ml
15)	Aroclor 1232 (3)	6.154	1111634	564.795	ng/ml
16)	Aroclor 1232 (4)	6.311	823020	541.694	ng/ml
17)	Aroclor 1232 (5)	6.533	1077798	558.332	ng/ml
18)	Aroclor 1232 (6)	6.658	876183	556.320	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:19 pm
Operator : MJB / KAK
Sample : 0D10012-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:12:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:11:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
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

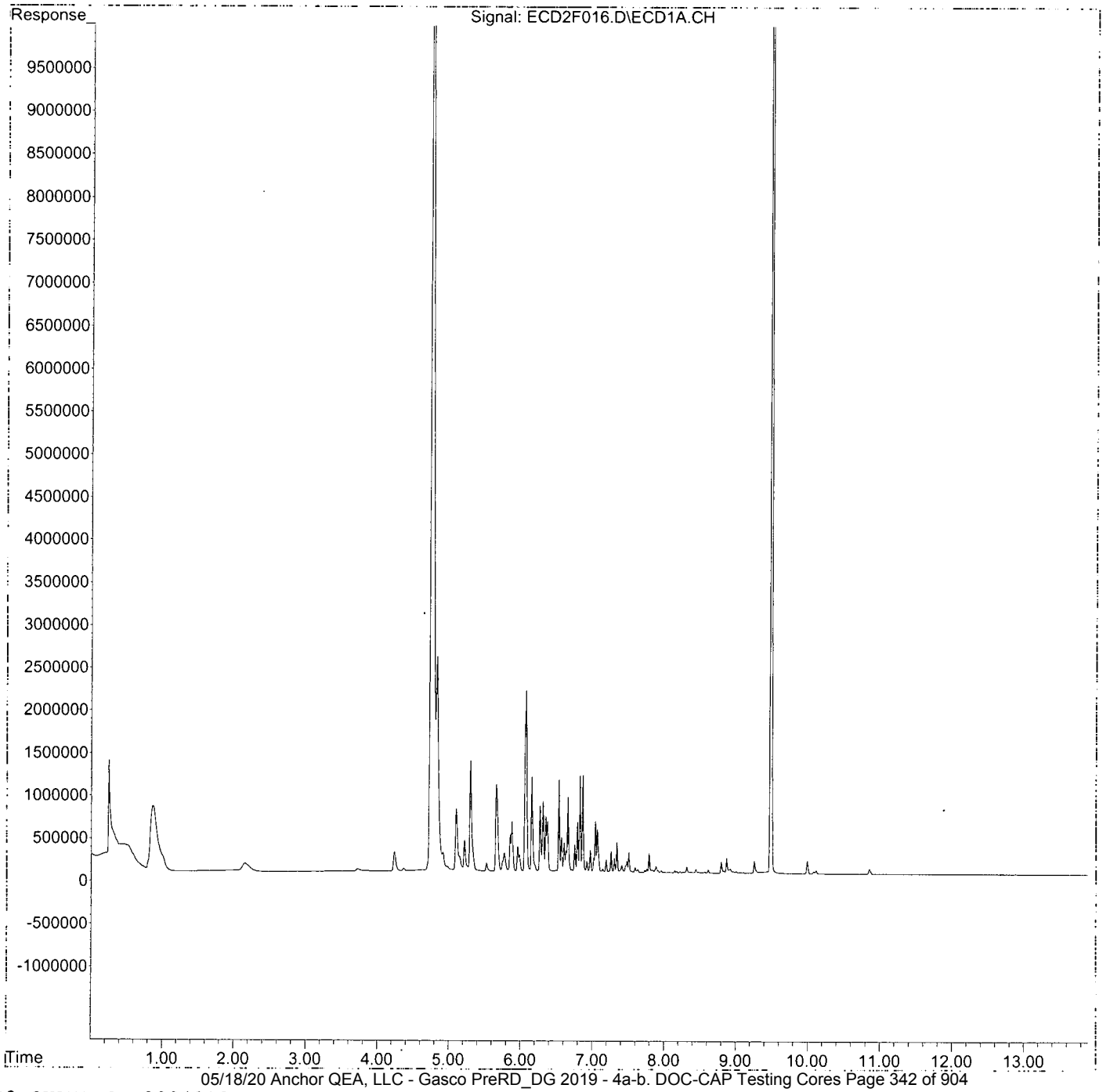
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:19 pm
Operator : MJB / KAK
Sample : 0D10012-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:12:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:11:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:36 pm
Operator : MJB / KAK
Sample : 0D10012-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:14:40 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:13:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	5.659	1819088	516.665	ng/ml
21)	Aroclor 1242 (2)	6.071	3974339	553.995	ng/ml
22)	Aroclor 1242 (3)	6.153	2000091	544.110	ng/ml
23)	Aroclor 1242 (4)	6.310	1660581	507.201	ng/ml
24)	Aroclor 1242 (5)	6.532	2161724	527.420	ng/ml
25)	Aroclor 1242 (6)	6.658	1802019	528.770	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:36 pm
Operator : MJB / KAK
Sample : 0D10012-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:14:40 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:13:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
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

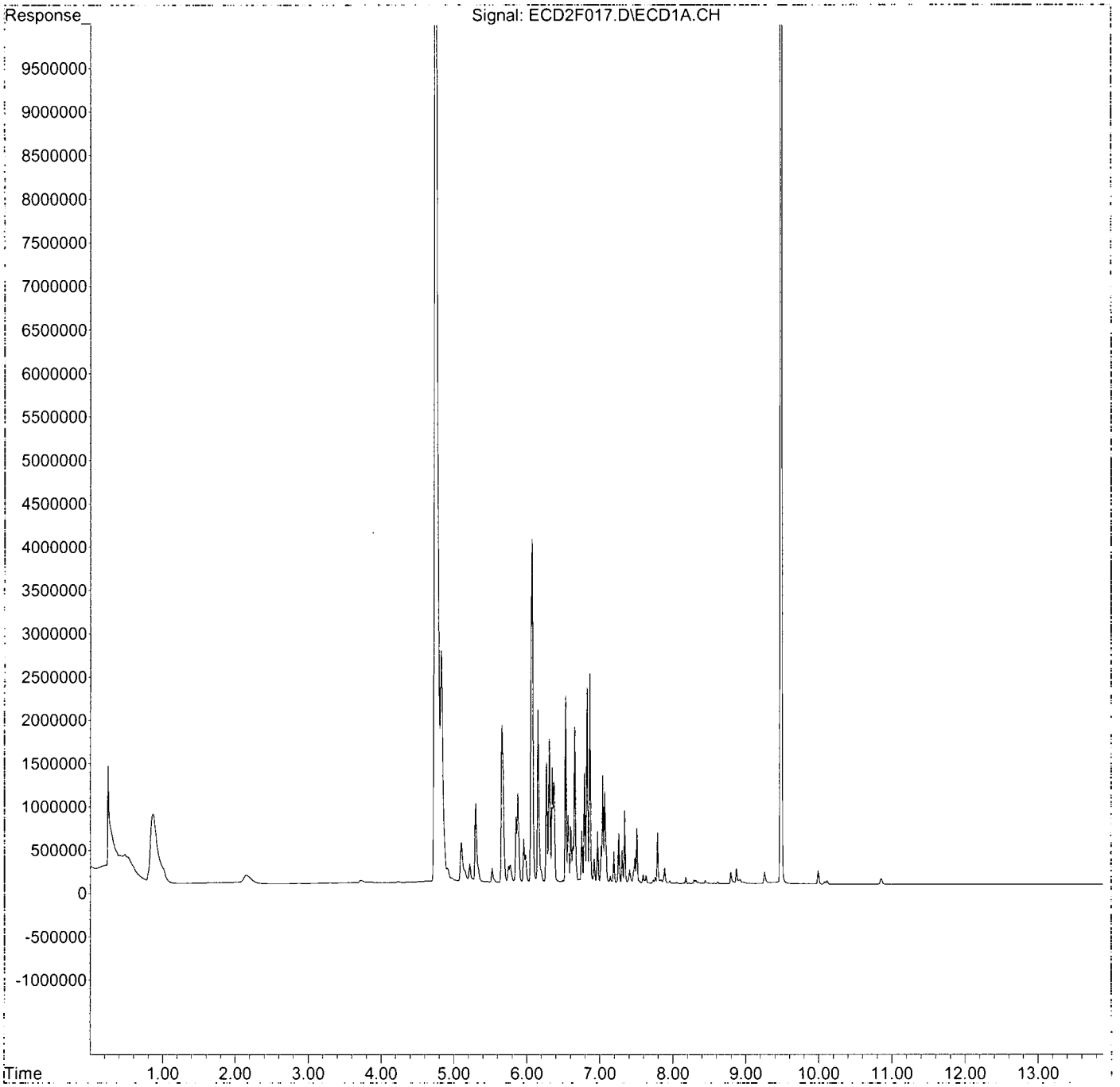
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:36 pm
Operator : MJB / KAK
Sample : 0D10012-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:14:40 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:13:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:54 pm
Operator : MJB / KAK
Sample : 0D10012-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:18:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:16:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	0.000	0	N.D.	ng/mld
62)	S DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	6.070	2448148	561.234	ng/ml
28)	Aroclor 1248 (2)	6.311	2996188	525.183	ng/ml
29)	Aroclor 1248 (3)	6.533	3362252	519.309	ng/ml
30)	Aroclor 1248 (4)	6.827	4110731	558.961	ng/ml
31)	Aroclor 1248 (5)	6.864	3940293	522.199	ng/ml
32)	Aroclor 1248 (6)	7.340	2275424	554.523	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:54 pm
Operator : MJB / KAK
Sample : 0D10012-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:18:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:16:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
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

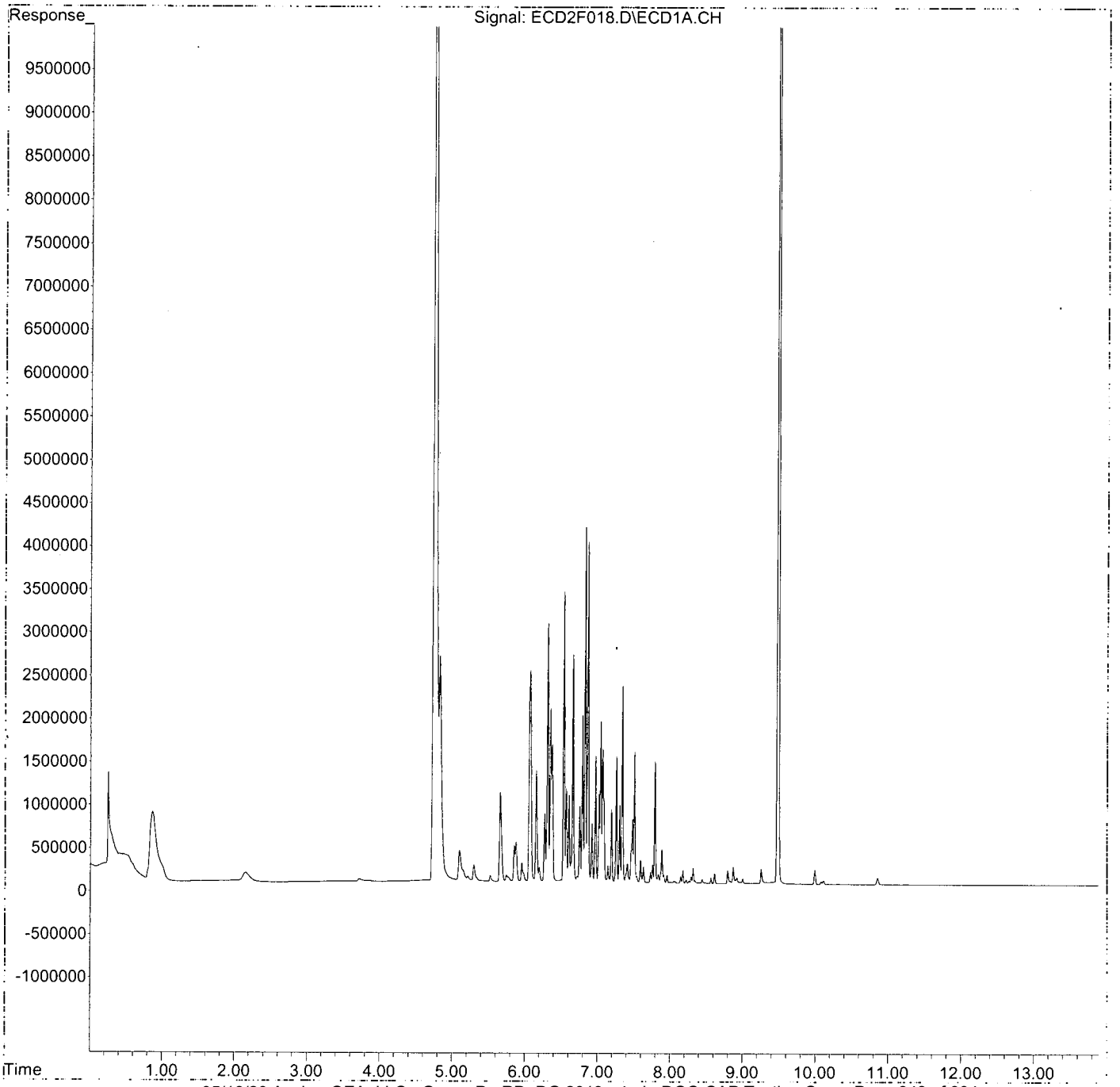
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 5:54 pm
Operator : MJB / KAK
Sample : 0D10012-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:18:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:16:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:11 pm
Operator : MJB / KAK
Sample : 0D10012-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:20:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:18:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	6.859	4344495	490.322	ng/ml
35)	Aroclor 1254 (2)	6.971	5617948	506.936	ng/ml
36)	Aroclor 1254 (3)	7.340	8405588	505.167	ng/ml
37)	Aroclor 1254 (4)	7.506	5339097	502.370	ng/ml
38)	Aroclor 1254 (5)	7.886	5874745	507.140	ng/ml
39)	Aroclor 1254 (6)	8.177	1885070	505.276	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld

4/13/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:11 pm
Operator : MJB / KAK
Sample : 0D10012-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:20:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:18:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
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

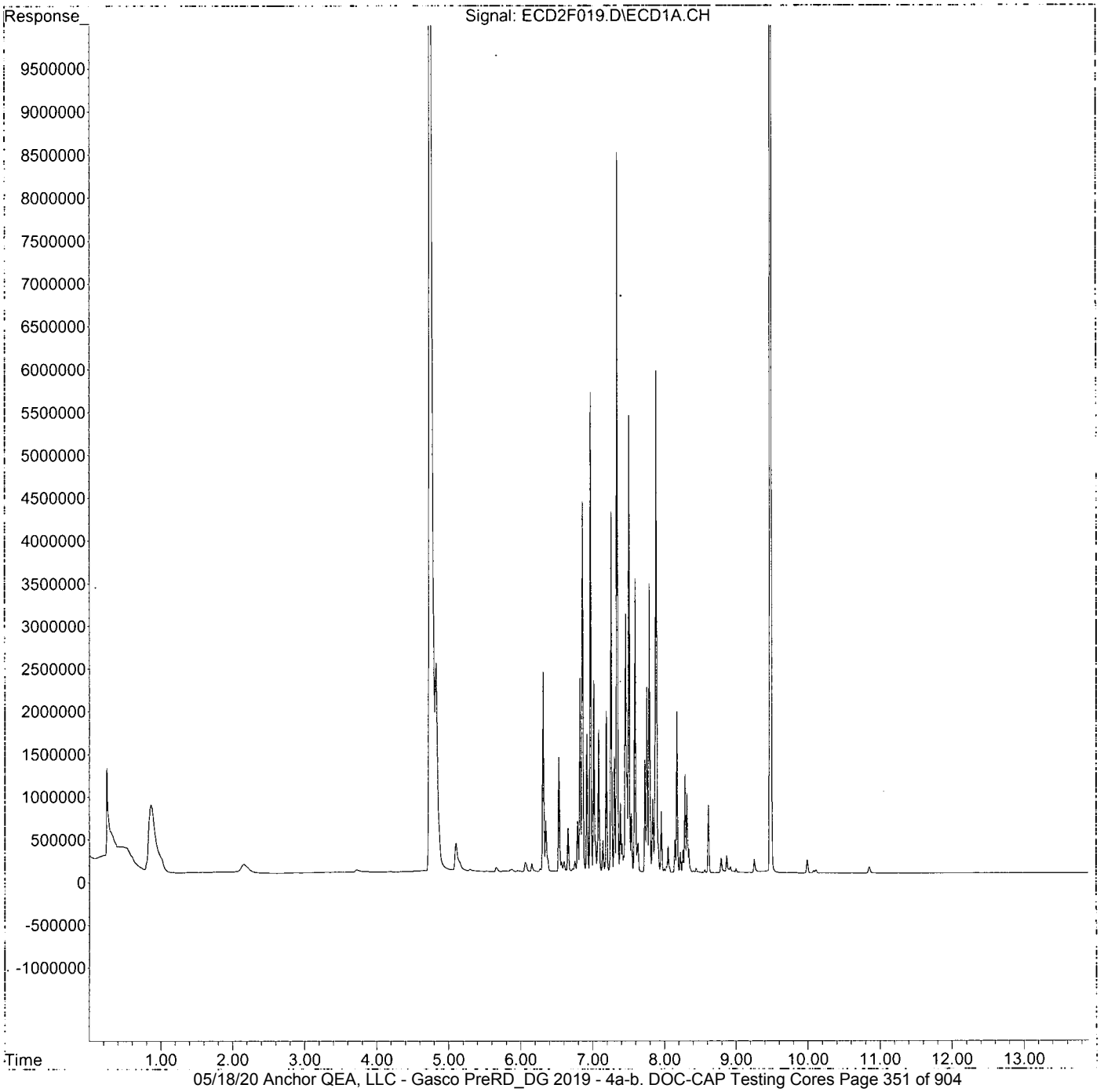
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:11 pm
Operator : MJB / KAK
Sample : 0D10012-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:20:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:18:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:29 pm
Operator : MJB / KAK
Sample : 0D10012-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:22:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:20:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:29 pm
Operator : MJB / KAK
Sample : 0D10012-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:22:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:20:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
48)	Aroclor 1262 (1)	7.593	5524545	514.175	ng/ml
49)	Aroclor 1262 (2)	7.916	7591243	495.472	ng/ml
50)	Aroclor 1262 (3)	8.148	6584915	515.828	ng/ml
51)	Aroclor 1262 (4)	8.319	14710486	519.747	ng/ml
52)	Aroclor 1262 (5)	8.616	9062799	501.436	ng/ml
53)	Aroclor 1262 (6)	9.003	4829056	533.316	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
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

4/13/20

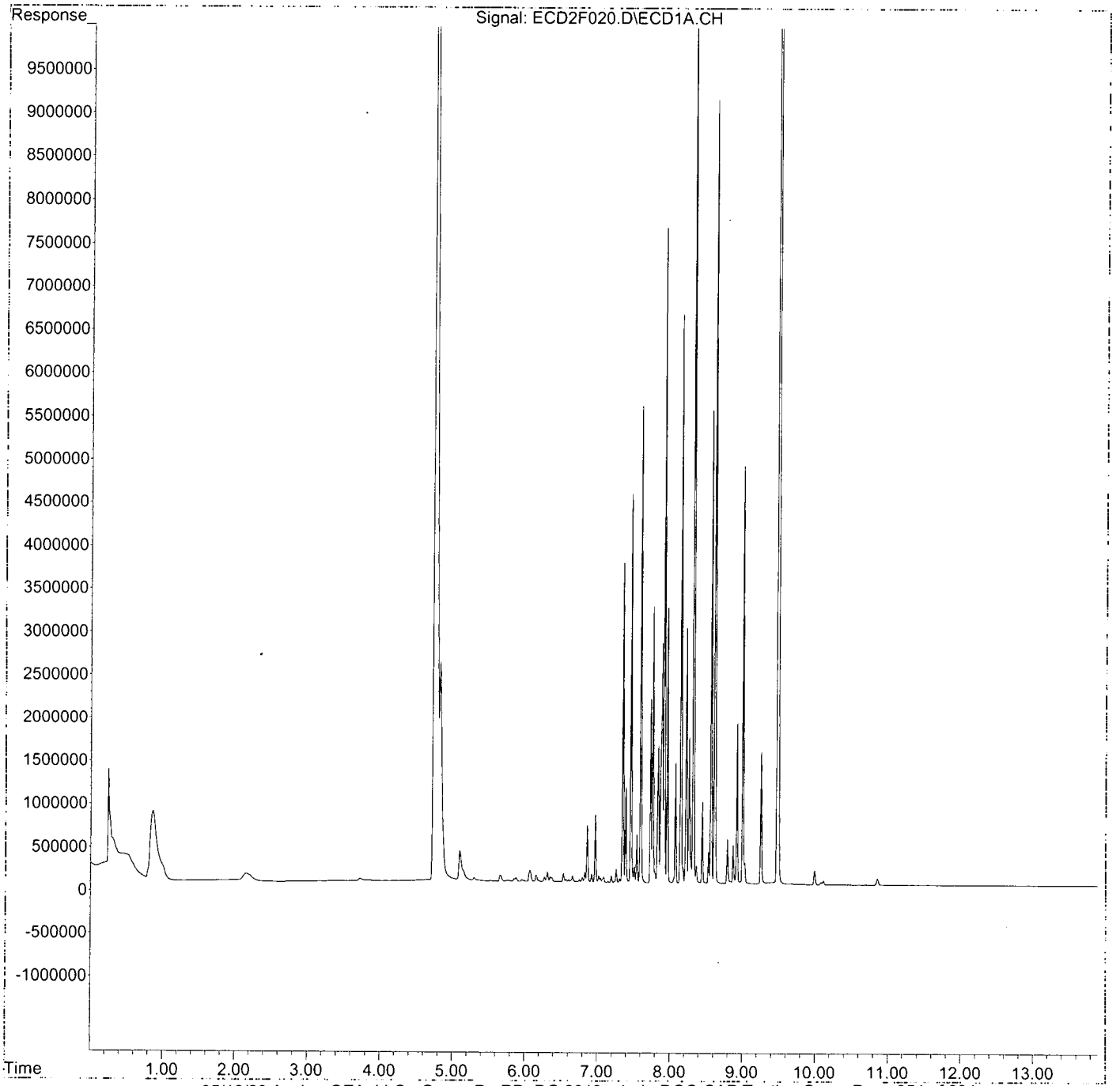
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:29 pm
Operator : MJB / KAK
Sample : 0D10012-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:22:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:20:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:47 pm
Operator : MJB / KAK
Sample : 0D10012-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:24:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:23:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/13/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	0.000	0	N.D.	ng/mld
62)	S DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:47 pm
Operator : MJB / KAK
Sample : 0D10012-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:24:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:23:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
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)	8.138	3549782	552.392	ng/ml
56)	Aroclor 1268 (2)	8.564	17410428	586.553	ng/ml
57)	Aroclor 1268 (3)	8.612	14472361	579.399	ng/ml
58)	Aroclor 1268 (4)	8.793	12828890	556.256	ng/ml
59)	Aroclor 1268 (5)	9.003	5434786	590.094	ng/ml
60)	Aroclor 1268 (6)	9.255	39170356	603.917	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

4/13/20

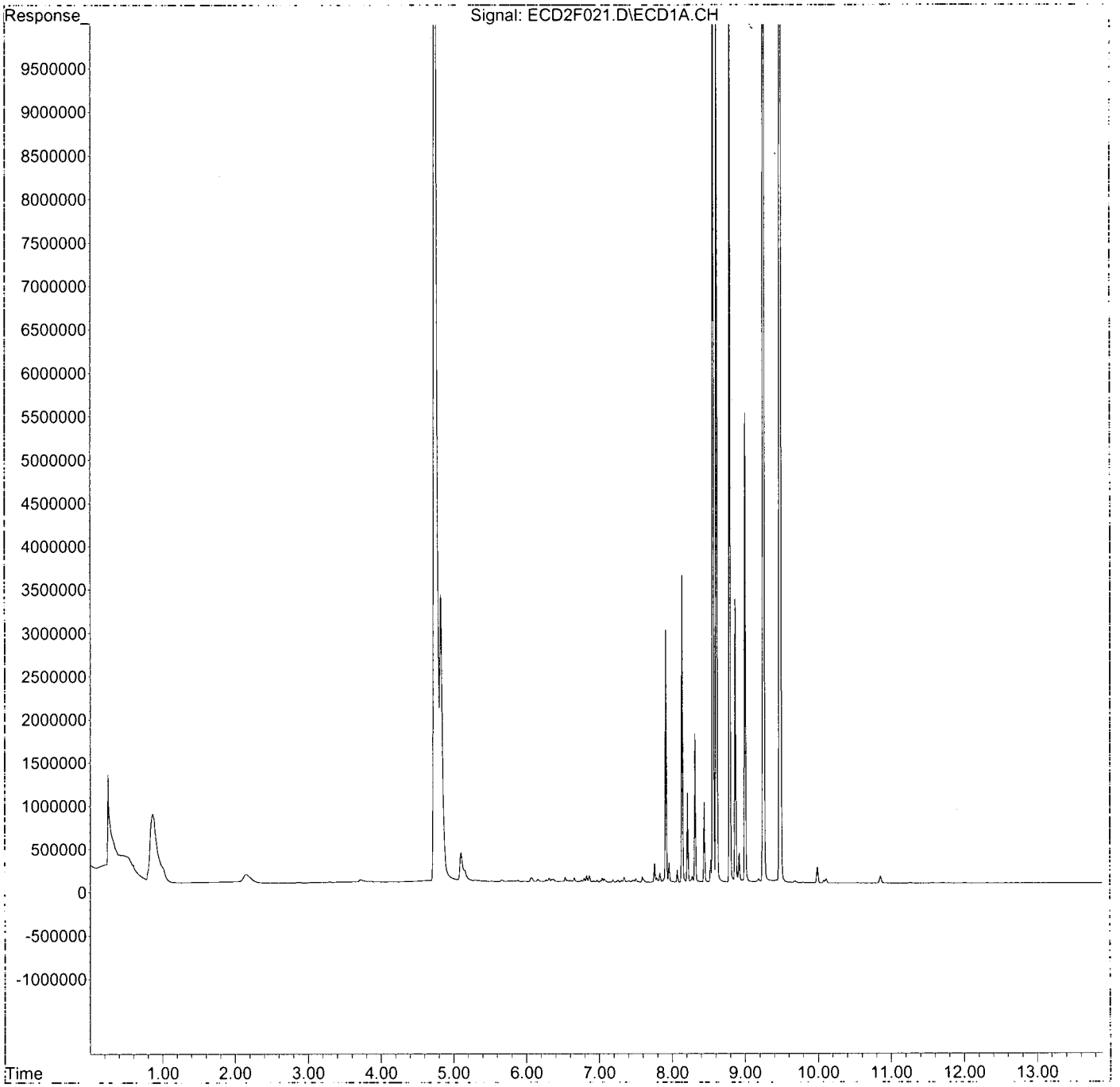
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D10012\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 10 Apr 2020 6:47 pm
Operator : MJB / KAK
Sample : 0D10012-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 13 08:24:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_2004010.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 13 08:23:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Polychlorinated Biphenyls by EPA 8082A
Calibration Data

Sequence 0D09025 (Cal ID A0D1002) DUALECD2R

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D09025** Instrument: **DUALECD2R**

Date: **04/09/20 06:47** Calibration: **A0D1002**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D09025-ICB1	Water	QC	QC				A20C404
2	0D09025-CAL1	Water	QC	QC				A19L280
3	0D09025-CAL2	Water	QC	QC				A19L281
4	0D09025-CAL3	Water	QC	QC				A19L282
5	0D09025-CAL4	Water	QC	QC				A19L283
6	0D09025-CAL5	Water	QC	QC				A19L276
7	0D09025-CAL6	Water	QC	QC				A19L278
8	0D09025-CAL7	Water	QC	QC				A19L279
9	0D09025-IBL1	Water	QC	QC				
10	0D09025-ICV1	Water	QC	QC				A20B355
11	0D09025-CAL8	Water	QC	QC				A20C117
12	0D09025-CAL9	Water	QC	QC				A20B322
13	0D09025-CALA	Water	QC	QC				A20B323
14	0D09025-CALB	Water	QC	QC				A20B324
15	0D09025-CALC	Water	QC	QC				A20B325
16	0D09025-CALD	Water	QC	QC				A20B326
17	0D09025-CALE	Water	QC	QC				A20B327
18	0D09025-ICV2	Water	QC	QC				A20B353
19	0D09025-ICV3	Water	QC	QC				A19J367
20	0D09025-ICV4	Water	QC	QC				A20B354
21	0D09025-ICV5	Water	QC	QC				A20B130

Comments:

Data Entered By: 4/10/20

Data Reviewed By: MV 4/13/20

Calibration Status Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200409.M
Title : PCB Data Analysis
Last Update : Fri Apr 10 07:54:48 2020
Response Via : Initial Calibration

AOD1002 4/10/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0D09025\ECD2R009.D
2	2	25	0	K:\DATA\0D09025\ECD2R010.D
3	3	50	0	K:\DATA\0D09025\ECD2R011.D
4	4	100	0	K:\DATA\0D09025\ECD2R012.D
5	5	250	0	K:\DATA\0D09025\ECD2R024.D
6	6	500	0	K:\DATA\0D09025\ECD2R014.D
7	7	800	0	K:\DATA\0D09025\ECD2R015.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 09 12:25 2020	Apr 09 11:58 2020	09 Apr 2020 10:21
2	2	Apr 09 12:25 2020	Apr 09 12:00 2020	09 Apr 2020 10:39
3	3	Apr 09 12:26 2020	Apr 09 12:02 2020	09 Apr 2020 10:57
4	4	Apr 09 12:26 2020	Apr 09 12:03 2020	09 Apr 2020 11:14
5	5	Apr 10 07:54 2020	Apr 10 07:53 2020	09 Apr 2020 14:46
6	6	Apr 09 12:26 2020	Apr 09 12:10 2020	09 Apr 2020 11:49
7	7	Apr 09 12:27 2020	Apr 09 12:23 2020	09 Apr 2020 12:07

RECD2_QUANTPCB_200409.M Fri Apr 10 09:48:56 2020

Response Factor Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200409.M
Title : PCB Data Analysis
Last Update : Fri Apr 10 07:54:48 2020
Response Via : Initial Calibration

4/10/20

Calibration Files
1 =ECD2R009.D 2 =ECD2R010.D 3 =ECD2R011.D
4 =ECD2R012.D 5 =ECD2R024.D 6 =ECD2R014.D

		Compound	1	2	3	4	5	6	Avg		%RSD	
1)	S	TCMX (S)	2.859	3.010	2.993	3.053	2.872	3.427	2.963	E5	9.12	
2)		Aroclor 1016 ...	1.142	1.061	0.986	0.926	0.836	0.852	0.955	E4	11.98	✓
3)		Aroclor 1016 ...	1.834	1.759	1.656	1.676	1.543	1.621	1.670	E4	5.89	✓
4)		Aroclor 1016 ...	9.061	8.499	7.799	7.441	7.042	7.189	7.728	E3	10.10	✓
5)		Aroclor 1016 ...	9.994	8.911	8.241	7.817	6.924	7.245	8.023	E3	13.99	✓
6)		Aroclor 1016 ...	1.046	0.944	0.893	0.844	0.770	0.777	0.868	E4	11.55	✓
7)		Aroclor 1016 (6)	1.042	0.972	0.892	0.834	0.817	0.802	0.879	E4	10.87	✓
8)		Aroclor 1016 ...							0.000		-1.00	
9)		Aroclor 1221 (1)					2.211		2.211	E3	0.00	
10)		Aroclor 1221 (2)					2.165		2.165	E3	0.00	
11)		Aroclor 1221 (3)					7.223		7.223	E3	0.00	
12)		Aroclor 1221 ...							0.000		-1.00	
13)		Aroclor 1232 (1)					6.110		6.110	E3	0.00	
14)		Aroclor 1232 (2)					3.737		3.737	E3	0.00	
15)		Aroclor 1232 (3)					6.856		6.856	E3	0.00	
16)		Aroclor 1232 (4)					2.526		2.526	E3	0.00	
17)		Aroclor 1232 (5)					3.039		3.039	E3	0.00	
18)		Aroclor 1232 (6)					3.204		3.204	E3	0.00	
19)		Aroclor 1232 ...							0.000		-1.00	
20)		Aroclor 1242 ...					6.972		6.972	E3	0.00	
21)		Aroclor 1242 ...					1.248		1.248	E4	0.00	
22)		Aroclor 1242 ...					5.648		5.648	E3	0.00	
23)		Aroclor 1242 ...					5.316		5.316	E3	0.00	
24)		Aroclor 1242 ...					6.106		6.106	E3	0.00	
25)		Aroclor 1242 (6)					6.518		6.518	E3	0.00	
26)		Aroclor 1242 ...							0.000		-1.00	
27)		Aroclor 1248 ...					7.055		7.055	E3	0.00	
28)		Aroclor 1248 ...					8.989		8.989	E3	0.00	
29)		Aroclor 1248 ...					8.354		8.354	E3	0.00	
30)		Aroclor 1248 ...					1.015		1.015	E4	0.00	
31)		Aroclor 1248 ...					1.292		1.292	E4	0.00	
32)		Aroclor 1248 (6)					1.152		1.152	E4	0.00	
33)		Aroclor 1248 ...							0.000		-1.00	
34)		Aroclor 1254 ...					1.290		1.290	E4	0.00	
35)		Aroclor 1254 ...					2.045		2.045	E4	0.00	
36)		Aroclor 1254 ...					2.209		2.209	E4	0.00	
37)		Aroclor 1254 ...					1.736		1.736	E4	0.00	
38)		Aroclor 1254 ...					1.655		1.655	E4	0.00	
39)		Aroclor 1254 (6)					5.026		5.026	E3	0.00	
40)		Aroclor 1254 ...							0.000		-1.00	
41)		Aroclor 1260 ...	1.864	1.767	1.717	1.672	1.519	1.572	1.668	E4	7.41	✓
42)		Aroclor 1260 ...	2.317	2.174	2.050	2.017	1.971	2.024	2.072	E4	6.28	✓
43)		Aroclor 1260 (3)	2.145	2.149	2.071	2.099	1.965	2.028	2.081	E4	3.19	✓
44)		Aroclor 1260 (4)	3.324	3.386	3.322	3.454	3.273	3.367	3.395	E4	3.60	✓
45)		Aroclor 1260 (5)	2.034	2.049	1.925	1.996	1.929	1.902	1.979	E4	3.00	✓
46)		Aroclor 1260 (6)	8.745	8.449	7.594	7.503	7.188	7.277	7.784	E3	7.59	✓
47)		Aroclor 1260 ...							0.000		-1.00	
48)		Aroclor 1262 (1)					1.627		1.627	E4	0.00	
49)		Aroclor 1262 (2)					2.184		2.184	E4	0.00	
50)		Aroclor 1262 (3)					1.795		1.795	E4	0.00	
51)		Aroclor 1262 (4)					3.868		3.868	E4	0.00	
52)		Aroclor 1262 (5)					2.334		2.334	E4	0.00	
53)		Aroclor 1262 (6)					1.040		1.040	E4	0.00	
54)		Aroclor 1262 ...							0.000		-1.00	
55)		Aroclor 1268 (1)					9.708		9.708	E3	0.00	

Response Factor Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200409.M
Title : PCB Data Analysis
Last Update : Fri Apr 10 07:54:48 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD2R009.D 2 =ECD2R010.D 3 =ECD2R011.D
4 =ECD2R012.D 5 =ECD2R024.D 6 =ECD2R014.D

		Compound	1	2	3	4	5	6	Avg	%RSD
56)		Aroclor 1268 (2)					4.310		4.310 E4	0.00
57)		Aroclor 1268 (3)					3.543		3.543 E4	0.00
58)		Aroclor 1268 (4)					2.991		2.991 E4	0.00
59)		Aroclor 1268 (5)					1.197		1.197 E4	0.00
60)		Aroclor 1268 (6)					8.096		8.096 E4	0.00
61)		Aroclor 1268 ...							0.000	-1.00
62)	S	DCBP (S)	1.550	1.625	1.598	1.633	1.553	1.789	1.670 E5	8.61

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

Compound List Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200409.M
Title : PCB Data Analysis
Last Update : Fri Apr 10 07:54:48 2020
Response Via : Initial Calibration

4/10/20

Total Cpnds : 62

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.565	1.000	A	H	R
2		Aroclor 1016 (1)	6.237	1.000	A	H	R
3		Aroclor 1016 (2)	6.726	1.000	A	H	R
4		Aroclor 1016 (3)	6.852	1.000	A	H	R
5		Aroclor 1016 (4)	6.939	1.000	A	H	R
6		Aroclor 1016 (5)	6.984	1.000	A	H	R
7		Aroclor 1016 (6)	7.109	1.000	A	H	R
8		Aroclor 1016 - AVE	1.716	1.000	A	H	R
9		Aroclor 1221 (1)	5.742	1.000	A	H	R
10		Aroclor 1221 (2)	5.814	1.000	A	H	R
11		Aroclor 1221 (3)	5.901	1.000	A	H	R
12		Aroclor 1221 - AVE	1.716	1.000	A	H	R
13		Aroclor 1232 (1)	5.902	1.000	A	H	R
14		Aroclor 1232 (2)	6.237	1.000	A	H	R
15		Aroclor 1232 (3)	6.726	1.000	A	H	R
16		Aroclor 1232 (4)	6.939	1.000	A	H	R
17		Aroclor 1232 (5)	6.984	1.000	A	H	R
18		Aroclor 1232 (6)	7.108	1.000	A	H	R
19		Aroclor 1232 - AVE	1.716	1.000	A	H	R
20		Aroclor 1242 (1)	6.238	1.000	A	H	R
21		Aroclor 1242 (2)	6.727	1.000	A	H	R
22		Aroclor 1242 (3)	6.853	1.000	A	H	R
23		Aroclor 1242 (4)	6.940	1.000	A	H	R
24		Aroclor 1242 (5)	6.984	1.000	A	H	R
25		Aroclor 1242 (6)	7.109	1.000	A	H	R
26		Aroclor 1242 - AVE	1.716	1.000	A	H	R
27		Aroclor 1248 (1)	6.727	1.000	A	H	R
28		Aroclor 1248 (2)	6.940	1.000	A	H	R
29		Aroclor 1248 (3)	6.984	1.000	A	H	R
30		Aroclor 1248 (4)	7.109	1.000	A	H	R
31		Aroclor 1248 (5)	7.475	1.000	A	H	R
32		Aroclor 1248 (6)	7.631	1.000	A	H	R
33		Aroclor 1248 - AVE	1.716	1.000	A	H	R
34		Aroclor 1254 (1)	7.451	1.000	A	H	R
35		Aroclor 1254 (2)	7.632	1.000	A	H	R
36		Aroclor 1254 (3)	7.942	1.000	A	H	R
37		Aroclor 1254 (4)	8.181	1.000	A	H	R
38		Aroclor 1254 (5)	8.514	1.000	A	H	R
39		Aroclor 1254 (6)	8.743	1.000	A	H	R
40		Aroclor 1254 - AVE	1.716	1.000	A	H	R
41		Aroclor 1260 (1)	8.078	1.000	A	H	R
42		Aroclor 1260 (2)	8.285	1.000	A	H	R
43		Aroclor 1260 (3)	8.516	1.000	A	H	R
44		Aroclor 1260 (4)	8.996	1.000	A	H	R
45		Aroclor 1260 (5)	9.247	1.000	A	H	R
46		Aroclor 1260 (6)	9.796	1.000	A	H	R
47		Aroclor 1260 - AVE	1.716	1.000	A	H	R
48		Aroclor 1262 (1)	8.285	1.000	A	H	R
49		Aroclor 1262 (2)	8.585	1.000	A	H	R
50		Aroclor 1262 (3)	8.763	1.000	A	H	R
51		Aroclor 1262 (4)	8.997	1.000	A	H	R
52		Aroclor 1262 (5)	9.249	1.000	A	H	R
53		Aroclor 1262 (6)	9.797	1.000	A	H	R
54		Aroclor 1262 - AVE	1.716	1.000	A	H	R
55		Aroclor 1268 (1)	8.802	1.000	A	H	R
56		Aroclor 1268 (2)	9.249	1.000	A	H	R

57		Aroclor 1268 (3)	9.312	1.000	A	H	R
58		Aroclor 1268 (4)	9.519	1.000	A	H	R
59		Aroclor 1268 (5)	9.797	1.000	A	H	R
60		Aroclor 1268 (6)	10.135	1.000	A	H	R
61		Aroclor 1268 - AVE	1.715	1.000	A	H	R
62	S	DCBP (S)	10.435	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_200409.M Fri Apr 10 08:43:38 2020

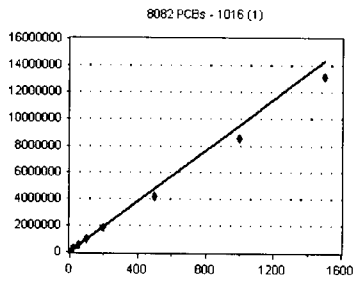
Element Calibration Review Sheet

Calibration ID: **A0D1002** Instrument: **DUALECD2R** Calibration Date: **04/10/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_20040**

1016 (1)

Curve Fit: **AVERAGE RF**

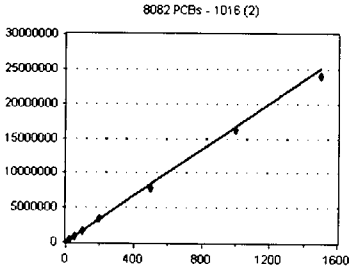


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	228305	11415.250	6.24
0D09025-CAL2	50	530680	10613.600	6.24
0D09025-CAL3	100	986411	9864.110	6.24
0D09025-CAL4	200	1851871	9259.355	6.24
0D09025-CAL5	500	4182367	8364.734	6.24
0D09025-CAL6	1000	8523190	8523.190	6.24
0D09025-CAL7	1500	316676E+07	8777.840	6.24

AVE RF **9545.440** RF RSD **11.98** AVE RT **6.24**

1016 (2)

Curve Fit: **AVERAGE RF**

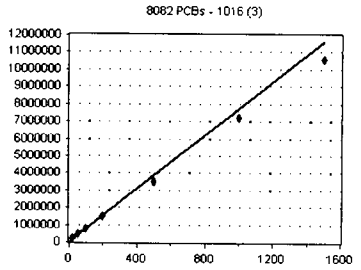


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	366826	18341.300	6.73
0D09025-CAL2	50	879396	17587.920	6.73
0D09025-CAL3	100	1656065	16560.650	6.73
0D09025-CAL4	200	3352806	16764.030	6.73
0D09025-CAL5	500	7715821	15431.640	6.73
0D09025-CAL6	1000	620598E+07	16205.980	6.73
0D09025-CAL7	1500	405524E+07	16036.830	6.73

AVE RF **16704.050** RF RSD **5.89** AVE RT **6.73**

1016 (3)

Curve Fit: **AVERAGE RF**

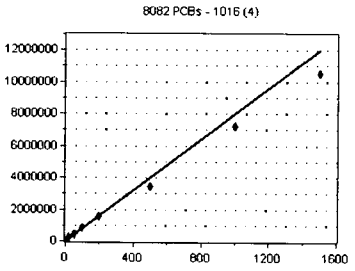


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	181221	9061.050	6.85
0D09025-CAL2	50	424935	8498.700	6.85
0D09025-CAL3	100	779857	7798.570	6.85
0D09025-CAL4	200	1488183	7440.915	6.85
0D09025-CAL5	500	3521177	7042.354	6.85
0D09025-CAL6	1000	7188564	7188.564	6.85
0D09025-CAL7	1500	060323E+07	7068.820	6.85

AVE RF **7728.425** RF RSD **10.10** AVE RT **6.85**

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	199876	9993.800	6.94
0D09025-CAL2	50	445575	8911.500	6.94
0D09025-CAL3	100	824102	8241.020	6.94
0D09025-CAL4	200	1563408	7817.040	6.94
0D09025-CAL5	500	3462009	6924.018	6.94
0D09025-CAL6	1000	7244607	7244.607	6.94
0D09025-CAL7	1500	054624E+07	7030.827	6.94

AVE RF **8023.259** RF RSD **13.99** AVE RT **6.94**

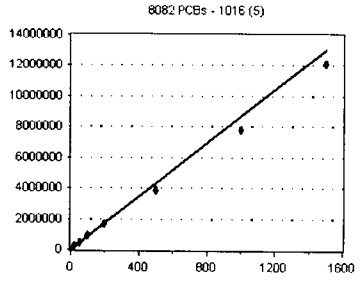
Element Calibration Review Sheet

Calibration ID: **A0D1002** Instrument: **DUALECD2R** Calibration Date: **04/10/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_20040**

1016 (5)

Curve Fit: **AVERAGE RF**

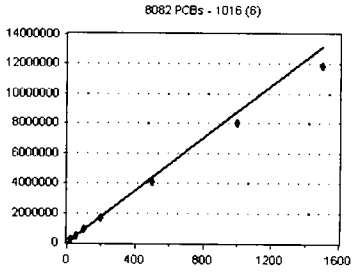


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	209118	10455.900	6.98
0D09025-CAL2	50	471840	9436.800	6.99
0D09025-CAL3	100	893465	8934.650	6.98
0D09025-CAL4	200	1688096	8440.480	6.98
0D09025-CAL5	500	3848778	7697.556	6.99
0D09025-CAL6	1000	7770215	7770.215	6.98
0D09025-CAL7	1500	207849E+07	8052.327	6.98

AVE RF **8683.990** RF RSD **11.55** AVE RT **6.98**

1016 (6)

Curve Fit: **AVERAGE RF**

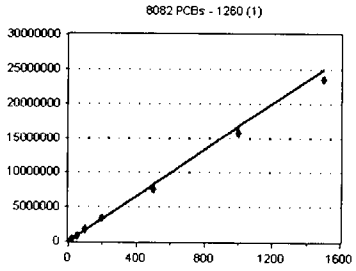


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	208459	10422.950	7.11
0D09025-CAL2	50	485922	9718.440	7.11
0D09025-CAL3	100	891768	8917.680	7.11
0D09025-CAL4	200	1668249	8341.245	7.11
0D09025-CAL5	500	4083977	8167.954	7.11
0D09025-CAL6	1000	8021413	8021.413	7.11
0D09025-CAL7	1500	.18883E+07	7925.533	7.11

AVE RF **8787.888** RF RSD **10.87** AVE RT **7.11**

1260 (1)

Curve Fit: **AVERAGE RF**

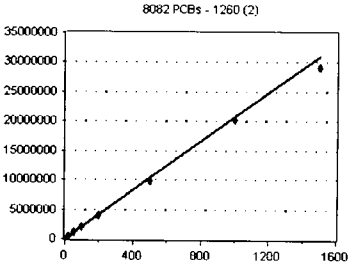


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	372718	18635.900	8.08
0D09025-CAL2	50	883425	17668.500	8.08
0D09025-CAL3	100	1717489	17174.890	8.08
0D09025-CAL4	200	3343516	16717.580	8.08
0D09025-CAL5	500	7596908	15193.820	8.08
0D09025-CAL6	1000	571563E+07	15715.630	8.08
0D09025-CAL7	1500	352644E+07	15684.290	8.08

AVE RF **16684.370** RF RSD **7.41** AVE RT **8.08**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	463394	23169.700	8.28
0D09025-CAL2	50	1086953	21739.060	8.29
0D09025-CAL3	100	2050232	20502.320	8.28
0D09025-CAL4	200	4034423	20172.120	8.28
0D09025-CAL5	500	9854734	19709.470	8.29
0D09025-CAL6	1000	:.02427E+07	20242.700	8.29
0D09025-CAL7	1500	922289E+07	19481.930	8.29

AVE RF **20716.760** RF RSD **6.28** AVE RT **8.28**

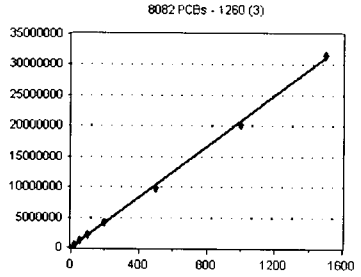
Element Calibration Review Sheet

Calibration ID: **A0D1002** Instrument: **DUALECD2R** Calibration Date: **04/10/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_20040**

1260 (3)

Curve Fit: **AVERAGE RF**

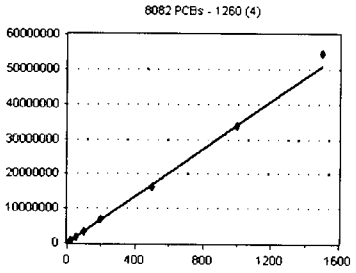


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	429034	21451.700	8.52
0D09025-CAL2	50	1074479	21489.580	8.52
0D09025-CAL3	100	2071243	20712.430	8.52
0D09025-CAL4	200	4197822	20989.110	8.52
0D09025-CAL5	500	9824367	19648.730	8.52
0D09025-CAL6	1000	027882E+07	20278.820	8.52
0D09025-CAL7	1500	168544E+07	21123.630	8.52

AVE RF **20813.430** RF RSD **3.19** AVE RT **8.52**

1260 (4)

Curve Fit: **AVERAGE RF**

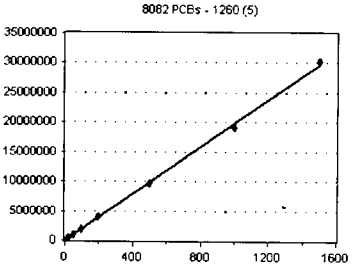


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	664701	33235.050	9.00
0D09025-CAL2	50	1693246	33864.920	9.00
0D09025-CAL3	100	3321616	33216.160	9.00
0D09025-CAL4	200	6907542	34537.710	9.00
0D09025-CAL5	500	636277E+07	32725.540	9.00
0D09025-CAL6	1000	367117E+07	33671.170	9.00
0D09025-CAL7	1500	459904E+07	36399.360	9.00

AVE RF **33949.990** RF RSD **3.60** AVE RT **9.00**

1260 (5)

Curve Fit: **AVERAGE RF**

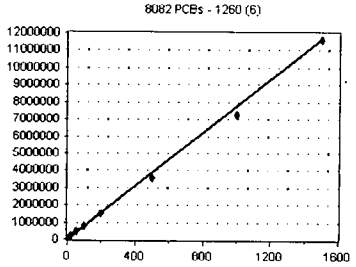


Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	406889	20344.450	9.25
0D09025-CAL2	50	1024587	20491.740	9.25
0D09025-CAL3	100	1924731	19247.310	9.25
0D09025-CAL4	200	3992265	19961.320	9.25
0D09025-CAL5	500	9646918	19293.840	9.25
0D09025-CAL6	1000	902417E+07	19024.170	9.25
0D09025-CAL7	1500	027045E+07	20180.300	9.25

AVE RF **19791.880** RF RSD **3.00** AVE RT **9.25**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	20	174890	8744.500	9.80
0D09025-CAL2	50	422432	8448.640	9.80
0D09025-CAL3	100	759405	7594.050	9.80
0D09025-CAL4	200	1500577	7502.885	9.80
0D09025-CAL5	500	3594231	7188.462	9.80
0D09025-CAL6	1000	7276838	7276.838	9.80
0D09025-CAL7	1500	159962E+07	7733.080	9.80

AVE RF **7784.065** RF RSD **7.59** AVE RT **9.80**

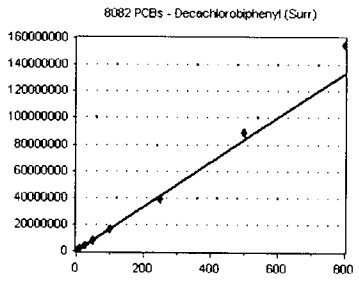
Element Calibration Review Sheet

Calibration ID: **A0D1002** Instrument: **DUALECD2R** Calibration Date: **04/10/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_20040**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D09025-CAL1	10	1549703	154970.300	10.43
0D09025-CAL2	25	4063177	162527.100	10.43
0D09025-CAL3	50	7990254	159805.100	10.43
0D09025-CAL4	100	632681E+07	163268.100	10.44
0D09025-CAL5	250	881429E+07	155257.200	10.44
0D09025-CAL6	500	944904E+07	178898.100	10.44
0D09025-CAL7	800	552356E+08	194044.500	10.44

AVE RF **166967.200** RF RSD **8.61** AVE RT **10.44**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D09025

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
0D09025-ICB1	Initial Cal Blank	Water	A20C404		4/9/2020 10:04:00AM
0D09025-CAL1	Cal Standard	Water	A19L280	"	4/9/2020 10:21:00AM
0D09025-CAL2	Cal Standard	Water	A19L281	"	4/9/2020 10:39:00AM
0D09025-CAL3	Cal Standard	Water	A19L282	"	4/9/2020 10:57:00AM
0D09025-CAL4	Cal Standard	Water	A19L283	"	4/9/2020 11:14:00AM
0D09025-CAL5	Cal Standard	Water	A19L276	"	4/9/2020 11:32:00AM
0D09025-CAL6	Cal Standard	Water	A19L278	"	4/9/2020 11:49:00AM
0D09025-CAL7	Cal Standard	Water	A19L279	"	4/9/2020 12:07:00PM
0D09025-ICV1	Initial Cal Check	Water	A20B355	"	4/9/2020 12:42:00PM
0D09025-CAL8	Cal Standard	Water	A20C117	"	4/9/2020 1:00:00PM
0D09025-CAL9	Cal Standard	Water	A20B322	"	4/9/2020 1:18:00PM
0D09025-CALA	Cal Standard	Water	A20B323	"	4/9/2020 1:35:00PM
0D09025-CALB	Cal Standard	Water	A20B324	"	4/9/2020 1:53:00PM
0D09025-CALC	Cal Standard	Water	A20B325	"	4/9/2020 2:11:00PM
0D09025-CALD	Cal Standard	Water	A20B326	"	4/9/2020 2:28:00PM
0D09025-CALE	Cal Standard	Water	A20B327	"	4/9/2020 2:46:00PM
0D09025-ICV2	Initial Cal Check	Water	A20B353	"	4/9/2020 3:03:00PM
0D09025-ICV3	Initial Cal Check	Water	A19J367	"	4/9/2020 3:21:00PM
0D09025-ICV4	Initial Cal Check	Water	A20B354	"	4/9/2020 3:39:00PM
0D09025-ICV5	Initial Cal Check	Water	A20B130	"	4/9/2020 3:57:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0D1002** Instrument: **DUALECD2R**

1311/8082 TCLP PCBs Sequence: **0D09025** Matrix: **Water**

0D09025-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	

0D09025-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000				

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D09025

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	
0D09025-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	
0D09025-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	
0D09025-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	
0D09025-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	
0D09025-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	
0D09025-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	
0D09025-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	
0D09025-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	
0D09025-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	
0D09025-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: 0D09025

0D09025-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	

0D09025-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 quadatic 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 otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D1002** Instrument: **DUALECD2R**

8082 PCBs Sequence: **0D09025** Matrix: **Water**

0D09025-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	347.61	70	
1260 (6)	20	500	**347.61**	70	
1260 (6)	20	500	347.61	70	
1260 (6)	20	500	347.61	70	
1260 (6)	20	500	**347.61**	70	
1260 (6)		500	347.61	70	
1260 (6)	20	500	347.61	70	
1260 (6)	20	500	347.61	70	
1260 (6)	20	500	347.61	70	
1260 (6)	20	500	347.61	70	
1260 (6)	20	500	347.61	70	
1260 (6)		500	347.61	70	

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:04
Operator : MJB / KAK
Sample : 0D09025-ICB1
Misc : [redacted]
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/10/20

clear

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	5.565	29296194	98.883 ng/ml
62) S	DCBP (S)	10.435	13964037	83.633 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.231	9316	0.976 ng/ml
3)	Aroclor 1016 (2)	6.731	17215	1.031 ng/ml
4)	Aroclor 1016 (3)	6.860	18966	2.454 ng/ml
5)	Aroclor 1016 (4)	6.942	19153	2.387 ng/ml
6)	Aroclor 1016 (5)	6.980	19624	2.260 ng/ml
7)	Aroclor 1016 (6)	7.104	20601	2.344 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10)	Aroclor 1221 (2)	5.838	9237	4.266 ng/ml
11)	Aroclor 1221 (3)	5.872	610404	84.508 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.872	610404	99.909 ng/ml
14)	Aroclor 1232 (2)	6.231	9316	2.493 ng/ml
15)	Aroclor 1232 (3)	6.731	17215	2.511 ng/ml
16)	Aroclor 1232 (4)	6.942	19153	7.583 ng/ml
17)	Aroclor 1232 (5)	6.980	19624	6.457 ng/ml
18)	Aroclor 1232 (6)	7.104	20601	6.429 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	6.231	9316	1.336 ng/ml
21)	Aroclor 1242 (2)	6.731	17215	1.380 ng/ml
22)	Aroclor 1242 (3)	6.860	18966	3.358 ng/ml
23)	Aroclor 1242 (4)	6.942	19153	3.603 ng/ml
24)	Aroclor 1242 (5)	6.980	19624	3.214 ng/ml
25)	Aroclor 1242 (6)	7.104	20601	3.161 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.731	17215	2.440 ng/ml
28)	Aroclor 1248 (2)	6.942	19153	2.131 ng/ml
29)	Aroclor 1248 (3)	6.980	19624	2.349 ng/ml
30)	Aroclor 1248 (4)	7.104	20601	2.029 ng/ml
31)	Aroclor 1248 (5)	7.477	20943	1.621 ng/ml
32)	Aroclor 1248 (6)	7.661	44215	3.837 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	7.444	21417	1.661 ng/ml
35)	Aroclor 1254 (2)	7.661	44215	2.163 ng/ml
36)	Aroclor 1254 (3)	7.962	19703	0.892 ng/ml
37)	Aroclor 1254 (4)	8.209	223813	12.895 ng/ml
38)	Aroclor 1254 (5)	8.526	18473	1.116 ng/ml
39)	Aroclor 1254 (6)	8.776	35809	7.125 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:04
Operator : MJB / KAK
Sample : 0D09025-ICB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

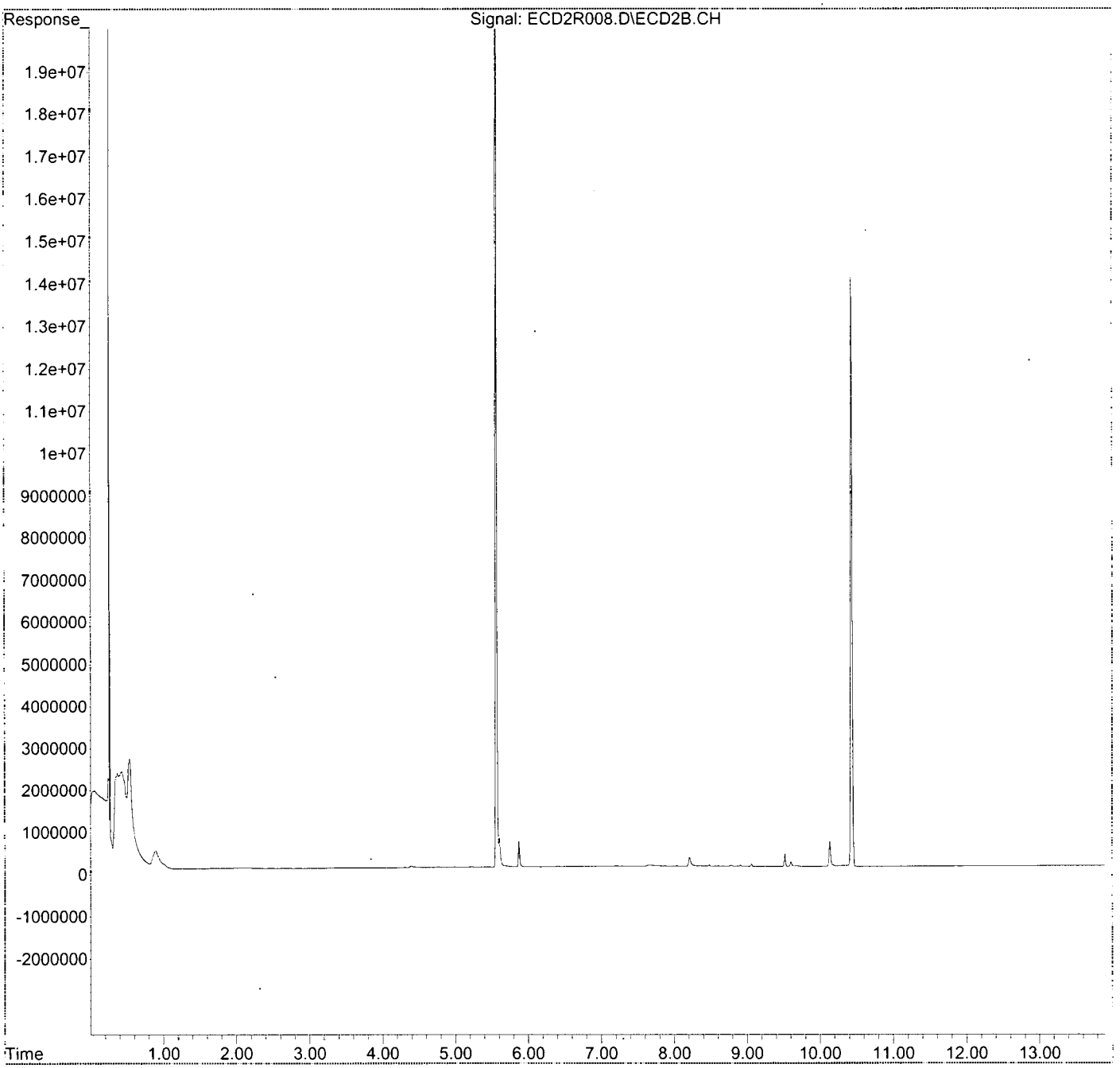
	Compound	R.T.	Response	Conc Units
41)	Aroclor 1260 (1)	8.081	18558	1.112 ng/ml
42)	Aroclor 1260 (2)	8.319	26884	1.298 ng/ml
43)	Aroclor 1260 (3)	8.526	18473	0.888 ng/ml
44)	Aroclor 1260 (4)	8.991	10285	0.303 ng/ml
45)	Aroclor 1260 (5)	9.247	10369	0.524 ng/ml
46)	Aroclor 1260 (6)	9.795	4888	0.628 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.319	26884	1.652 ng/ml
49)	Aroclor 1262 (2)	8.575	17893	0.819 ng/ml
50)	Aroclor 1262 (3)	8.776	35809	1.995 ng/ml
51)	Aroclor 1262 (4)	8.991	10285	0.266 ng/ml
52)	Aroclor 1262 (5)	9.247	10369	0.444 ng/ml
53)	Aroclor 1262 (6)	9.795	4888	0.470 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.776	35809	3.688 ng/ml
56)	Aroclor 1268 (2)	9.247	10369	0.241 ng/ml
57)	Aroclor 1268 (3)	9.307	7676	0.217 ng/ml
58)	Aroclor 1268 (4)	9.516	313251	10.472 ng/ml
59)	Aroclor 1268 (5)	9.795	4888	0.408 ng/ml
60)	Aroclor 1268 (6)	10.134	595520	7.356 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\0D09025\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:04
Operator : MJB / KAK
Sample : 0D09025-ICB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:25
Operator : MJB / KAK
Sample : 0D09025-IBL1
Misc : [redacted]
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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No Carry-over

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S TCMX (S)	5.555	16421	0.055 ng/ml
62)	S DCBP (S)	10.433	26143	0.157 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.239	22408	2.348 ng/ml
3)	Aroclor 1016 (2)	6.739	30614	1.833 ng/ml
4)	Aroclor 1016 (3)	6.854	30377	3.931 ng/ml
5)	Aroclor 1016 (4)	6.940	30931	3.855 ng/ml
6)	Aroclor 1016 (5)	6.990	31360	3.611 ng/ml
7)	Aroclor 1016 (6)	7.109	33262	3.785 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.736	24023	10.864 ng/ml
10)	Aroclor 1221 (2)	5.813	18667	8.622 ng/ml
11)	Aroclor 1221 (3)	5.913	22543	3.121 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.913	22543	3.690 ng/ml
14)	Aroclor 1232 (2)	6.239	22408	5.997 ng/ml
15)	Aroclor 1232 (3)	6.739	30614	4.465 ng/ml
16)	Aroclor 1232 (4)	6.940	30931	12.246 ng/ml
17)	Aroclor 1232 (5)	6.990	31360	10.319 ng/ml
18)	Aroclor 1232 (6)	7.109	33262	10.381 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	6.239	22408	3.214 ng/ml
21)	Aroclor 1242 (2)	6.739	30614	2.453 ng/ml
22)	Aroclor 1242 (3)	6.854	30377	5.379 ng/ml
23)	Aroclor 1242 (4)	6.940	30931	5.819 ng/ml
24)	Aroclor 1242 (5)	6.990	31360	5.136 ng/ml
25)	Aroclor 1242 (6)	7.109	33262	5.103 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.739	30614	4.339 ng/ml
28)	Aroclor 1248 (2)	6.940	30931	3.441 ng/ml
29)	Aroclor 1248 (3)	6.990	31360	3.754 ng/ml
30)	Aroclor 1248 (4)	7.109	33262	3.276 ng/ml
31)	Aroclor 1248 (5)	7.474	29504	2.284 ng/ml
32)	Aroclor 1248 (6)	7.659	50232	4.359 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	7.444	30203	2.342 ng/ml
35)	Aroclor 1254 (2)	7.659	50232	2.457 ng/ml
36)	Aroclor 1254 (3)	7.948	27141	1.229 ng/ml
37)	Aroclor 1254 (4)	8.166	26242	1.512 ng/ml
38)	Aroclor 1254 (5)	8.514	24791	1.498 ng/ml
39)	Aroclor 1254 (6)	8.712	19559	3.892 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:25
Operator : MJB / KAK
Sample : 0D09025-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

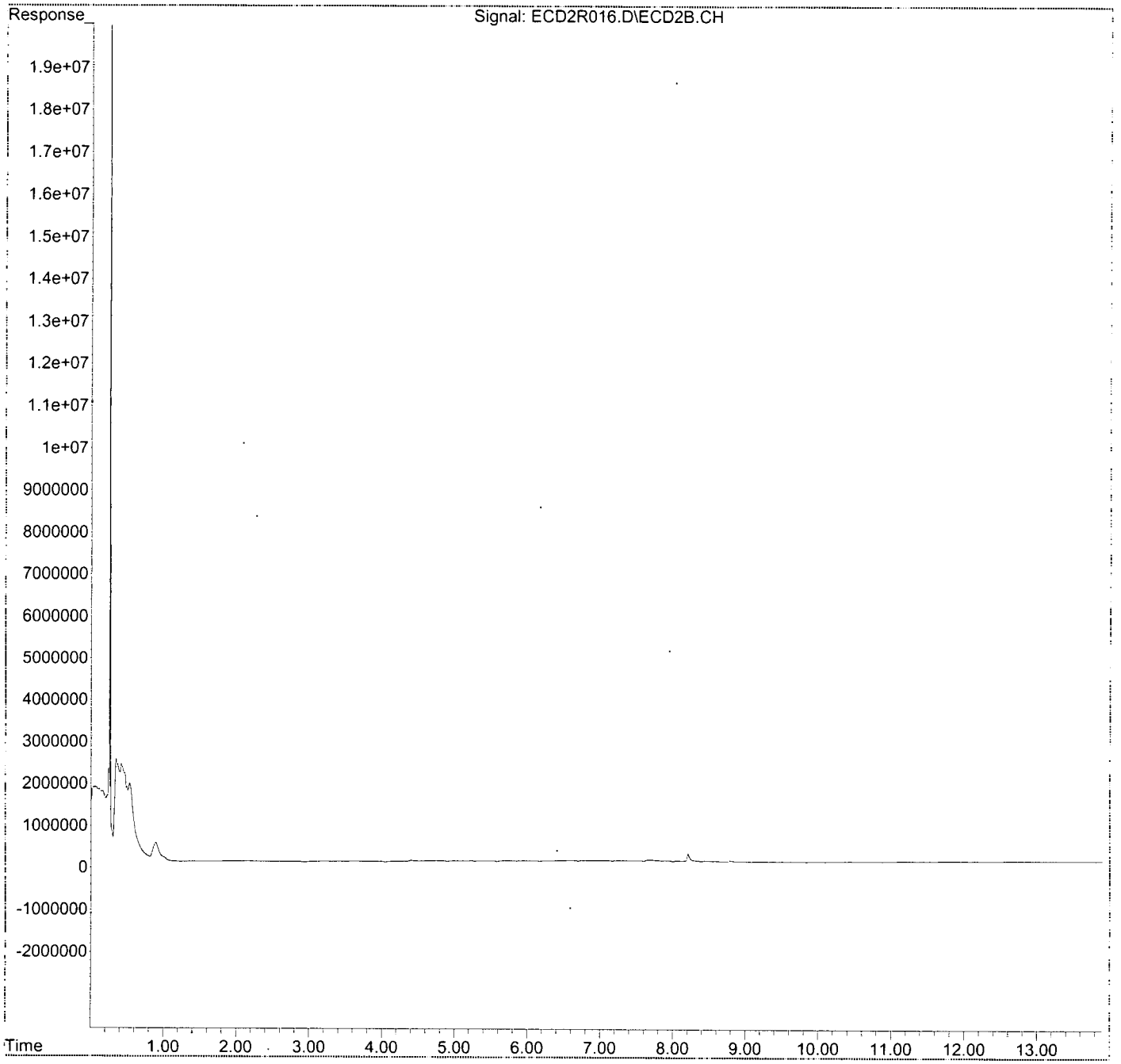
	Compound	R.T.	Response	Conc Units
41)	Aroclor 1260 (1)	8.081	27494	1.648 ng/ml
42)	Aroclor 1260 (2)	8.301	34858	1.683 ng/ml
43)	Aroclor 1260 (3)	8.514	24791	1.191 ng/ml
44)	Aroclor 1260 (4)	8.994	18810	0.554 ng/ml
45)	Aroclor 1260 (5)	9.245	13909	0.703 ng/ml
46)	Aroclor 1260 (6)	9.797	11521	1.480 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.301	34858	2.142 ng/ml
49)	Aroclor 1262 (2)	8.586	23322	1.068 ng/ml
50)	Aroclor 1262 (3)	8.777	37748	2.103 ng/ml
51)	Aroclor 1262 (4)	8.994	18810	0.486 ng/ml
52)	Aroclor 1262 (5)	9.245	13909	0.596 ng/ml
53)	Aroclor 1262 (6)	9.797	11521	1.108 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.809	22198	2.286 ng/ml
56)	Aroclor 1268 (2)	9.245	13909	0.323 ng/ml
57)	Aroclor 1268 (3)	9.316	11312	0.319 ng/ml
58)	Aroclor 1268 (4)	9.524	10975	0.367 ng/ml
59)	Aroclor 1268 (5)	9.797	11521	0.962 ng/ml
60)	Aroclor 1268 (6)	10.137	10576	0.131 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\0D09025\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:25
Operator : MJB / KAK
Sample : 0D09025-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:42
Operator : MJB / KAK
Sample : 0D09025-ICV1
Misc : [redacted]
ALS Vial : 61 Sample Multiplier: 1

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1016, 1260

Integration File: events.e
Quant Time: Apr 10 08:20:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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)	5.566	60512883	204.249	ng/ml
62)	S DCBP (S)	10.435	33483221	200.538	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	4332857	453.919	ng/ml
3)	Aroclor 1016 (2)	6.726	7617312	456.016	ng/ml
4)	Aroclor 1016 (3)	6.852	3536299	457.571	ng/ml
5)	Aroclor 1016 (4)	6.940	3453192	430.398	ng/ml
6)	Aroclor 1016 (5)	6.984	3757774	432.724	ng/ml
7)	Aroclor 1016 (6)	7.110	3753557	427.129	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.741	303583	137.296	ng/ml
10)	Aroclor 1221 (2)	5.814	560552	258.910	ng/ml
11)	Aroclor 1221 (3)	5.901	2621624	362.955	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.901	2621624	429.098	ng/ml
14)	Aroclor 1232 (2)	6.237	4332857	1159.591	ng/ml
15)	Aroclor 1232 (3)	6.726	7617312	1111.016	ng/ml
16)	Aroclor 1232 (4)	6.940	3453192	1367.202	ng/ml
17)	Aroclor 1232 (5)	6.984	3757774	1236.533	ng/ml
18)	Aroclor 1232 (6)	7.110	3753557	1171.485	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	6.237	4332857	621.457	ng/ml
21)	Aroclor 1242 (2)	6.726	7617312	610.396	ng/ml
22)	Aroclor 1242 (3)	6.852	3536299	626.141	ng/ml
23)	Aroclor 1242 (4)	6.940	3453192	649.645	ng/ml
24)	Aroclor 1242 (5)	6.984	3757774	615.465	ng/ml
25)	Aroclor 1242 (6)	7.110	3753557	575.892	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.726	7617312	1079.688	ng/ml
28)	Aroclor 1248 (2)	6.940	3453192	384.153	ng/ml
29)	Aroclor 1248 (3)	6.984	3757774	449.799	ng/ml
30)	Aroclor 1248 (4)	7.110	3753557	369.632	ng/ml
31)	Aroclor 1248 (5)	7.474	766516	59.328	ng/ml
32)	Aroclor 1248 (6)	7.632	3615605	313.755	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	7.451	3166120	245.509	ng/ml
35)	Aroclor 1254 (2)	7.632	3615605	176.834	ng/ml
36)	Aroclor 1254 (3)	7.942	1965601	88.975	ng/ml
37)	Aroclor 1254 (4)	8.181	1213400	69.910	ng/ml
38)	Aroclor 1254 (5)	8.516	11570211	699.299	ng/ml
39)	Aroclor 1254 (6)	8.732	1274625	253.605	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml

442.960

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:42
Operator : MJB / KAK
Sample : 0D09025-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.077	8624569	516.925	ng/ml
42)	Aroclor 1260 (2)	8.284	9538251	460.412	ng/ml
43)	Aroclor 1260 (3)	8.516	11570211	555.901	ng/ml
44)	Aroclor 1260 (4)	8.995	15001059	441.858	ng/ml
45)	Aroclor 1260 (5)	9.247	9169394	463.291	ng/ml
46)	Aroclor 1260 (6)	9.797	2705827	347.611	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.284	9538251	586.222	ng/ml
49)	Aroclor 1262 (2)	8.585	6202809	284.031	ng/ml
50)	Aroclor 1262 (3)	8.761	6837975	380.993	ng/ml
51)	Aroclor 1262 (4)	8.995	15001059	387.851	ng/ml
52)	Aroclor 1262 (5)	9.247	9169394	392.870	ng/ml
53)	Aroclor 1262 (6)	9.797	2705827	260.232	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.802	439387	45.258	ng/ml
56)	Aroclor 1268 (2)	9.247	9169394	212.740	ng/ml
57)	Aroclor 1268 (3)	9.309	2817654	79.537	ng/ml
58)	Aroclor 1268 (4)	9.517	358969	12.000	ng/ml
59)	Aroclor 1268 (5)	9.797	2705827	226.032	ng/ml
60)	Aroclor 1268 (6)	10.134	884088	10.920	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

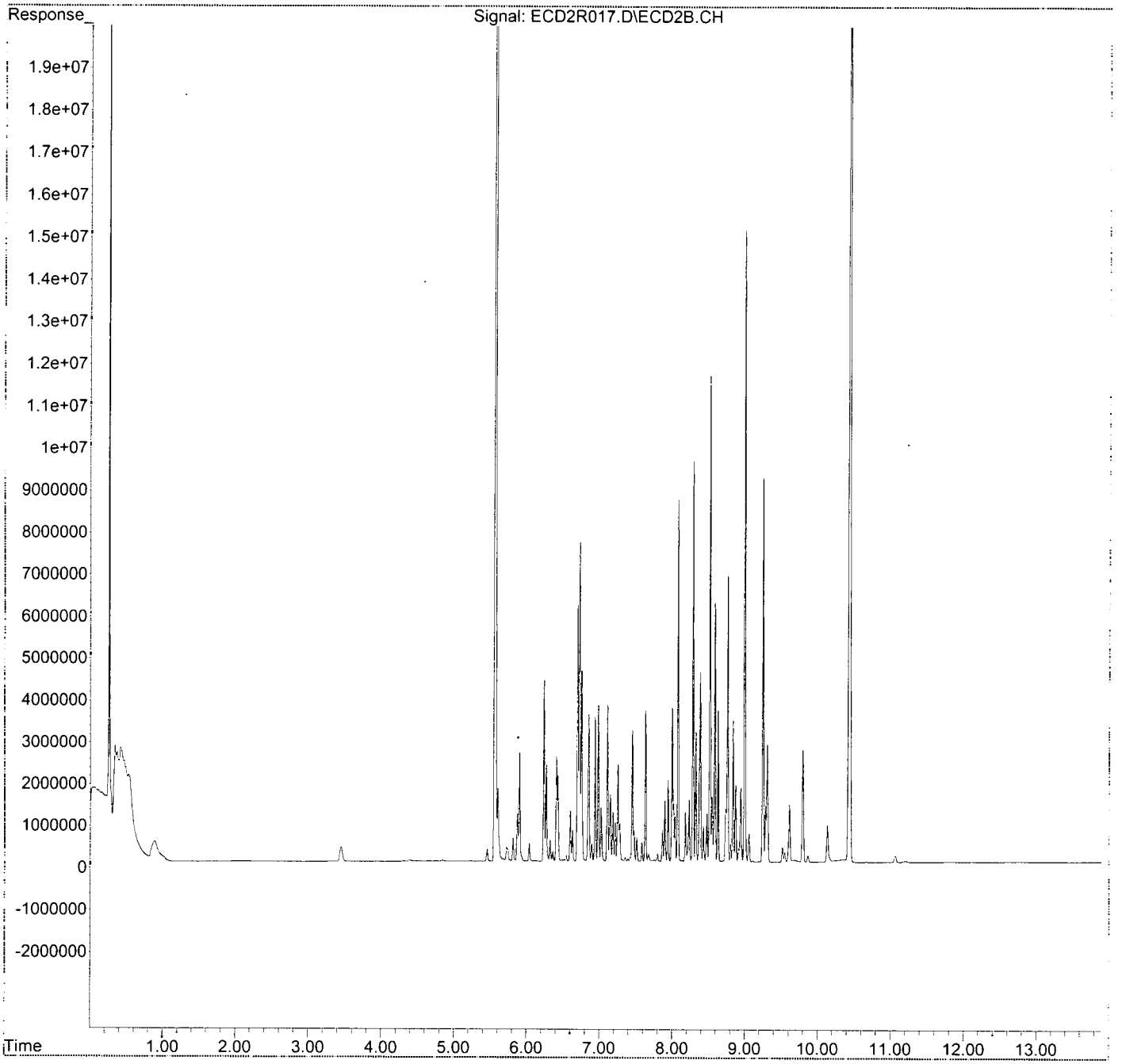
464.333

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:42
Operator : MJB / KAK
Sample : 0D09025-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:20:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R025.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:03
Operator : MJB / KAK
Sample : 0D09025-ICV2
Misc : [redacted]
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/10/20

1221, 1254

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.564	11334405	38.257	ng/ml	
62)	S DCBP (S)	10.436	13366401	80.054	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.237	799786	83.787	ng/ml	
3)	Aroclor 1016 (2)	6.726	1218215	72.929	ng/ml	
4)	Aroclor 1016 (3)	6.853	596626	77.199	ng/ml	
5)	Aroclor 1016 (4)	6.940	4124565	514.076	ng/ml	
6)	Aroclor 1016 (5)	6.985	1531516	176.361	ng/ml	
7)	Aroclor 1016 (6)	7.110	2583087	293.937	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.742	2170164	981.463	ng/ml	985.312
10)	Aroclor 1221 (2)	5.815	2188157	1010.673	ng/ml	
11)	Aroclor 1221 (3)	5.902	6961535	963.801	ng/ml	
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
13)	Aroclor 1232 (1)	5.902	6961535	1139.438	ng/ml	
14)	Aroclor 1232 (2)	6.237	799786	214.045	ng/ml	
15)	Aroclor 1232 (3)	6.726	1218215	177.682	ng/ml	
16)	Aroclor 1232 (4)	6.940	4124565	1633.015	ng/ml	
17)	Aroclor 1232 (5)	6.985	1531516	503.960	ng/ml	
18)	Aroclor 1232 (6)	7.110	2583087	806.181	ng/ml	
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
20)	Aroclor 1242 (1)	6.237	799786	114.712	ng/ml	
21)	Aroclor 1242 (2)	6.726	1218215	97.619	ng/ml	
22)	Aroclor 1242 (3)	6.853	596626	105.639	ng/ml	
23)	Aroclor 1242 (4)	6.940	4124565	775.950	ng/ml	
24)	Aroclor 1242 (5)	6.985	1531516	250.839	ng/ml	
25)	Aroclor 1242 (6)	7.110	2583087	396.312	ng/ml	
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
27)	Aroclor 1248 (1)	6.726	1218215	172.671	ng/ml	
28)	Aroclor 1248 (2)	6.940	4124565	458.840	ng/ml	
29)	Aroclor 1248 (3)	6.985	1531516	183.320	ng/ml	
30)	Aroclor 1248 (4)	7.110	2583087	254.370	ng/ml	
31)	Aroclor 1248 (5)	7.475	4024379	311.483	ng/ml	
32)	Aroclor 1248 (6)	7.633	11153012	967.836	ng/ml	
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
34)	Aroclor 1254 (1)	7.452	6868280	532.584	ng/ml	513.742
35)	Aroclor 1254 (2)	7.633	11153012	545.478	ng/ml	
36)	Aroclor 1254 (3)	7.943	11377209	515.003	ng/ml	
37)	Aroclor 1254 (4)	8.182	8306156	478.558	ng/ml	
38)	Aroclor 1254 (5)	8.515	8810306	532.491	ng/ml	
39)	Aroclor 1254 (6)	8.745	2404148	478.339	ng/ml	
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R025.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:03
Operator : MJB / KAK
Sample : 0D09025-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

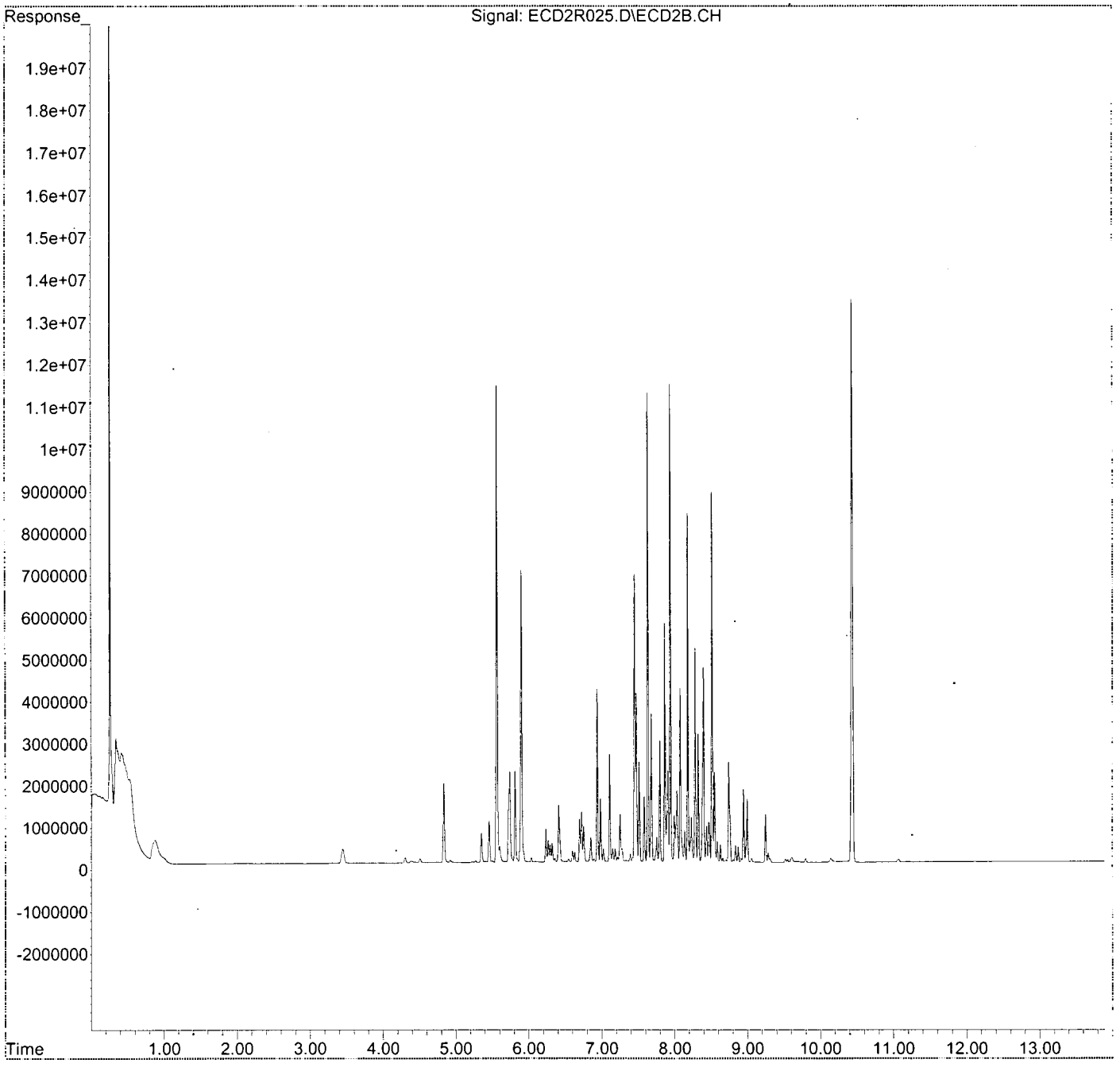
	Compound	R.T.	Response	Conc Units
41)	Aroclor 1260 (1)	8.079	4150465	248.764 ng/ml
42)	Aroclor 1260 (2)	8.285	5099625	246.159 ng/ml
43)	Aroclor 1260 (3)	8.515	8810306	423.299 ng/ml
44)	Aroclor 1260 (4)	8.997	1513422	44.578 ng/ml
45)	Aroclor 1260 (5)	9.248	1157367	58.477 ng/ml
46)	Aroclor 1260 (6)	9.797	90886	11.676 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.285	5099625	313.423 ng/ml
49)	Aroclor 1262 (2)	8.585	508777	23.297 ng/ml
50)	Aroclor 1262 (3)	8.745	2404148	133.953 ng/ml
51)	Aroclor 1262 (4)	8.997	1513422	39.129 ng/ml
52)	Aroclor 1262 (5)	9.248	1157367	49.588 ng/ml
53)	Aroclor 1262 (6)	9.797	90886	8.741 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.805	68911	7.098 ng/ml
56)	Aroclor 1268 (2)	9.248	1157367	26.852 ng/ml
57)	Aroclor 1268 (3)	9.309	96043	2.711 ng/ml
58)	Aroclor 1268 (4)	9.519	76033	2.542 ng/ml
59)	Aroclor 1268 (5)	9.797	90886	7.592 ng/ml
60)	Aroclor 1268 (6)	10.139	92889	1.147 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\0D09025\
Data File : ECD2R025.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:03
Operator : MJB / KAK
Sample : 0D09025-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R026.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:21
Operator : MJB / KAK
Sample : 0D09025-ICV3
Misc : [redacted]
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/10/20

1232, 1262

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.563	11817153	39.886	ng/ml
62) S	DCBP (S)	10.435	14326098	85.802	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	2121629	222.266	ng/ml
3)	Aroclor 1016 (2)	6.727	3827818	229.155	ng/ml
4)	Aroclor 1016 (3)	6.853	1732392	224.159	ng/ml
5)	Aroclor 1016 (4)	6.940	1576462	196.487	ng/ml
6)	Aroclor 1016 (5)	6.984	1715640	197.563	ng/ml
7)	Aroclor 1016 (6)	7.109	1797073	204.494	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.742	787547	356.171	ng/ml
10)	Aroclor 1221 (2)	5:815	886957	409.671	ng/ml
11)	Aroclor 1221 (3)	5.902	3262339	451.660	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.902	3262339	533.967	ng/ml
14)	Aroclor 1232 (2)	6.237	2121629	567.806	ng/ml
15)	Aroclor 1232 (3)	6.727	3827818	558.303	ng/ml
16)	Aroclor 1232 (4)	6.940	1576462	624.160	ng/ml
17)	Aroclor 1232 (5)	6.984	1715640	564.548	ng/ml
18)	Aroclor 1232 (6)	7.109	1797073	560.866	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	6.237	2121629	304.303	ng/ml
21)	Aroclor 1242 (2)	6.727	3827818	306.734	ng/ml
22)	Aroclor 1242 (3)	6.853	1732392	306.739	ng/ml
23)	Aroclor 1242 (4)	6.940	1576462	296.578	ng/ml
24)	Aroclor 1242 (5)	6.984	1715640	280.995	ng/ml
25)	Aroclor 1242 (6)	7.109	1797073	275.717	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.727	3827818	542.560	ng/ml
28)	Aroclor 1248 (2)	6.940	1576462	175.375	ng/ml
29)	Aroclor 1248 (3)	6.984	1715640	205.359	ng/ml
30)	Aroclor 1248 (4)	7.109	1797073	176.967	ng/ml
31)	Aroclor 1248 (5)	7.475	2141613	165.759	ng/ml
32)	Aroclor 1248 (6)	7.632	2804479	243.367	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	7.454	2036161	157.889	ng/ml
35)	Aroclor 1254 (2)	7.632	2804479	137.163	ng/ml
36)	Aroclor 1254 (3)	7.943	1123917	50.875	ng/ml
37)	Aroclor 1254 (4)	8.181	908720	52.356	ng/ml
38)	Aroclor 1254 (5)	8.517	6949421	420.020	ng/ml
39)	Aroclor 1254 (6)	8.731	2038054	405.499	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml

568.275

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R026.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:21
Operator : MJB / KAK
Sample : 0D09025-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.078	7270646	435.776	ng/ml
42)	Aroclor 1260 (2)	8.285	8543883	412.414	ng/ml
43)	Aroclor 1260 (3)	8.517	6949421	333.891	ng/ml
44)	Aroclor 1260 (4)	8.996	20255963	596.641	ng/ml
45)	Aroclor 1260 (5)	9.248	12399772	626.508	ng/ml
46)	Aroclor 1260 (6)	9.797	5544943	712.345	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.285	8543883	525.108	ng/ml
49)	Aroclor 1262 (2)	8.585	11714626	536.421	ng/ml
50)	Aroclor 1262 (3)	8.761	9328522	519.760	ng/ml
51)	Aroclor 1262 (4)	8.996	20255963	523.716	ng/ml
52)	Aroclor 1262 (5)	9.248	12399772	531.278	ng/ml
53)	Aroclor 1262 (6)	9.797	5544943	533.283	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.802	1281000	131.948	ng/ml
56)	Aroclor 1268 (2)	9.248	12399772	287.689	ng/ml
57)	Aroclor 1268 (3)	9.309	6608679	186.551	ng/ml
58)	Aroclor 1268 (4)	9.517	507338	16.960	ng/ml
59)	Aroclor 1268 (5)	9.797	5544943	463.198	ng/ml
60)	Aroclor 1268 (6)	10.133	1731126	21.383	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

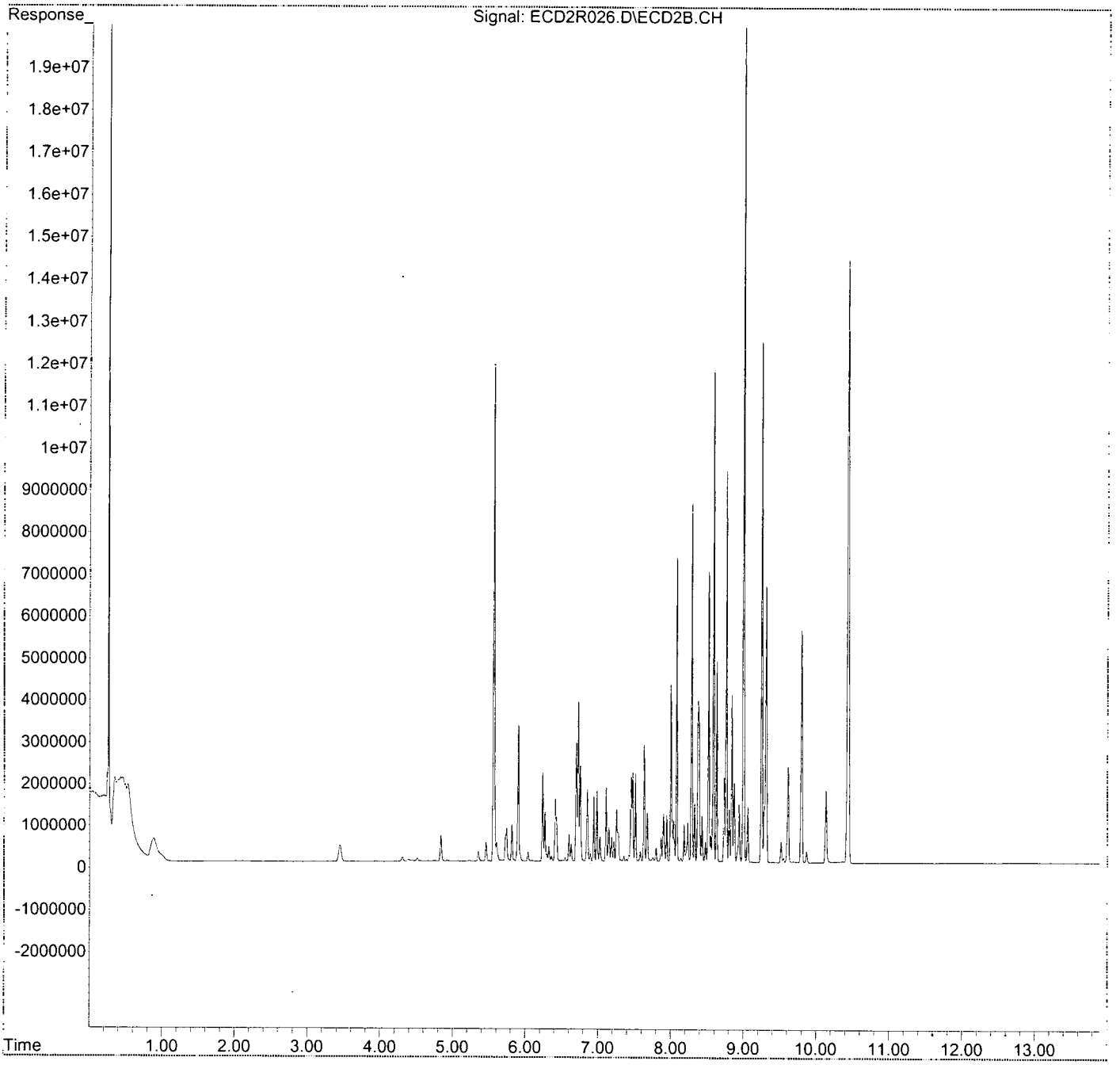
528.261

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R026.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:21
Operator : MJB / KAK
Sample : 0D09025-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R027.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:39
Operator : MJB / KAK
Sample : 0D09025-ICV4
Misc : [redacted]
ALS Vial : 71 Sample Multiplier: 1

4/10/20

1242, 1268

Integration File: events.e
Quant Time: Apr 10 08:21:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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)	5.564	12585355	42.479	ng/ml
62) S	DCBP (S)	10.435	6428255	38.500	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	3746947	392.538	ng/ml
3)	Aroclor 1016 (2)	6.726	6581940	394.033	ng/ml
4)	Aroclor 1016 (3)	6.853	2956848	382.594	ng/ml
5)	Aroclor 1016 (4)	6.940	2880563	359.027	ng/ml
6)	Aroclor 1016 (5)	6.984	3181922	366.412	ng/ml
7)	Aroclor 1016 (6)	7.109	3432453	390.589	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.741	273131	123.524	ng/ml
10)	Aroclor 1221 (2)	5.815	517885	239.203	ng/ml
11)	Aroclor 1221 (3)	5.902	2347202	324.962	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.902	2347202	384.181	ng/ml
14)	Aroclor 1232 (2)	6.237	3746947	1002.786	ng/ml
15)	Aroclor 1232 (3)	6.726	6581940	960.002	ng/ml
16)	Aroclor 1232 (4)	6.940	2880563	1140.485	ng/ml
17)	Aroclor 1232 (5)	6.984	3181922	1047.043	ng/ml
18)	Aroclor 1232 (6)	7.109	3432453	1071.268	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	6.237	3746947	537.421	ng/ml
21)	Aroclor 1242 (2)	6.726	6581940	527.429	ng/ml
22)	Aroclor 1242 (3)	6.853	2956848	523.543	ng/ml
23)	Aroclor 1242 (4)	6.940	2880563	541.917	ng/ml
24)	Aroclor 1242 (5)	6.984	3181922	521.150	ng/ml
25)	Aroclor 1242 (6)	7.109	3432453	526.627	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.726	6581940	932.933	ng/ml
28)	Aroclor 1248 (2)	6.940	2880563	320.450	ng/ml
29)	Aroclor 1248 (3)	6.984	3181922	380.870	ng/ml
30)	Aroclor 1248 (4)	7.109	3432453	338.011	ng/ml
31)	Aroclor 1248 (5)	7.475	3838402	297.089	ng/ml
32)	Aroclor 1248 (6)	7.630	3019904	262.061	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	7.457	2512288	194.809	ng/ml
35)	Aroclor 1254 (2)	7.630	3019904	147.699	ng/ml
36)	Aroclor 1254 (3)	7.942	1129099	51.110	ng/ml
37)	Aroclor 1254 (4)	8.182	851940	49.084	ng/ml
38)	Aroclor 1254 (5)	8.517	251271	15.187	ng/ml
39)	Aroclor 1254 (6)	8.732	212961	42.372	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml

529.681

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R027.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:39
Operator : MJB / KAK
Sample : 0D09025-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.077	115912	6.947	ng/ml
42)	Aroclor 1260 (2)	8.282	200391	9.673	ng/ml
43)	Aroclor 1260 (3)	8.517	251271	12.073	ng/ml
44)	Aroclor 1260 (4)	8.996	2340587	68.942	ng/ml
45)	Aroclor 1260 (5)	9.249	21573068	1089.996	ng/ml
46)	Aroclor 1260 (6)	9.798	5981386	768.414	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.282	200391	12.316	ng/ml
49)	Aroclor 1262 (2)	8.584	4299300	196.868	ng/ml
50)	Aroclor 1262 (3)	8.762	356777	19.879	ng/ml
51)	Aroclor 1262 (4)	8.996	2340587	60.516	ng/ml
52)	Aroclor 1262 (5)	9.249	21573068	924.314	ng/ml
53)	Aroclor 1262 (6)	9.798	5981386	575.258	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.803	4831559	497.669	ng/ml
56)	Aroclor 1268 (2)	9.249	21573068	500.519	ng/ml
57)	Aroclor 1268 (3)	9.313	17877819	504.657	ng/ml
58)	Aroclor 1268 (4)	9.518	14747837	493.020	ng/ml
59)	Aroclor 1268 (5)	9.798	5981386	499.656	ng/ml
60)	Aroclor 1268 (6)	10.136	40875059	504.898	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

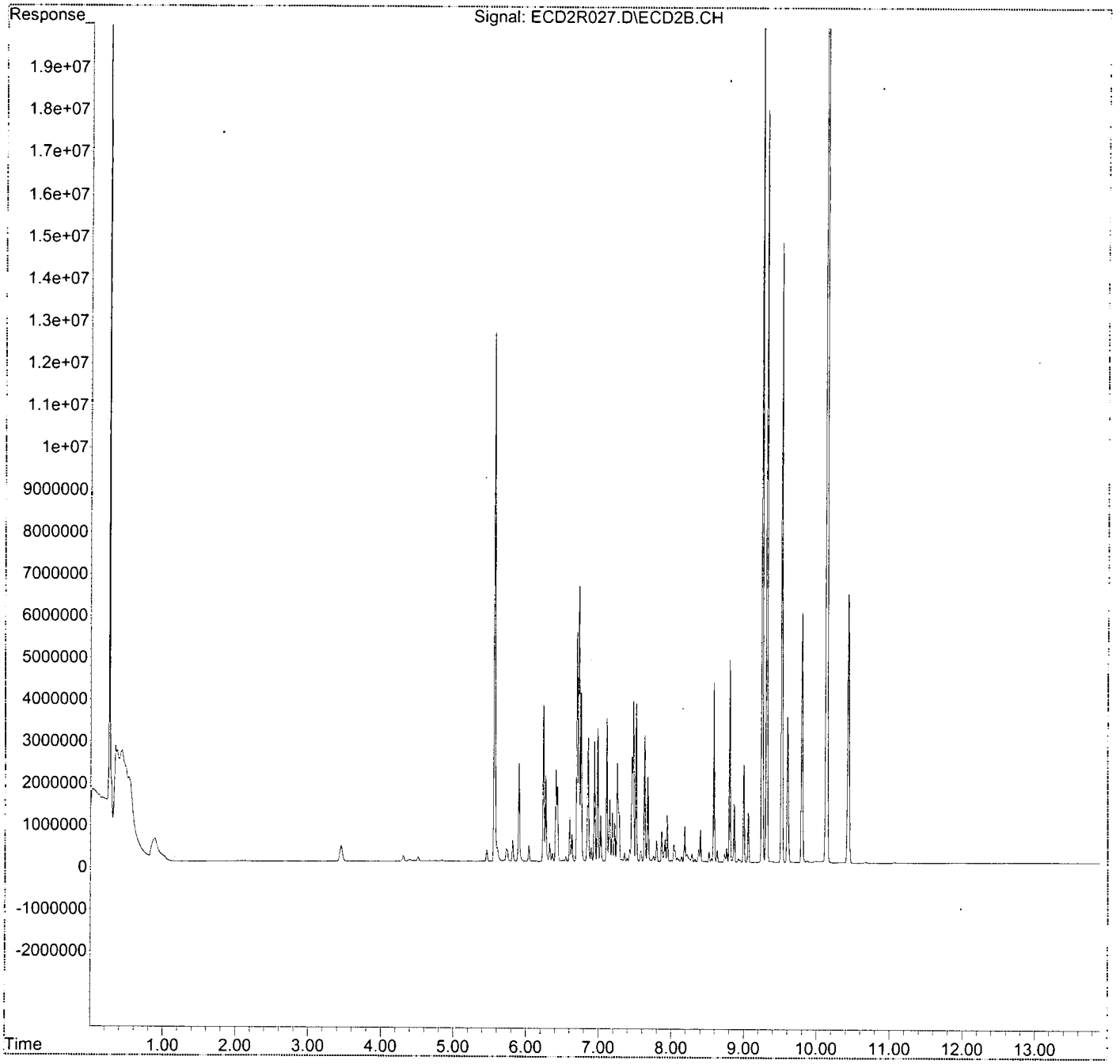
500.070

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R027.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:39
Operator : MJB / KAK
Sample : 0D09025-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:21:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R028.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:57
Operator : MJB / KAK
Sample : 0D09025-ICV5
Misc : [redacted]
ALS Vial : 72 Sample Multiplier: 1

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1248

Integration File: events.e
Quant Time: Apr 10 08:22:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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)	5.565	5147	0.017	ng/ml
62)	S DCBP (S)	10.433	5552	0.033	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	1921330	201.283	ng/ml
3)	Aroclor 1016 (2)	6.726	3627052	217.136	ng/ml
4)	Aroclor 1016 (3)	6.851	1624260	210.167	ng/ml
5)	Aroclor 1016 (4)	6.940	5031144	627.070	ng/ml
6)	Aroclor 1016 (5)	6.984	4597862	529.464	ng/ml
7)	Aroclor 1016 (6)	7.109	5493300	625.099	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.742	36971	16.720	ng/ml
10)	Aroclor 1221 (2)	5.814	52957	24.460	ng/ml
11)	Aroclor 1221 (3)	5.901	279735	38.728	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.901	279735	45.786	ng/ml
14)	Aroclor 1232 (2)	6.237	1921330	514.201	ng/ml
15)	Aroclor 1232 (3)	6.726	3627052	529.020	ng/ml
16)	Aroclor 1232 (4)	6.940	5031144	1991.952	ng/ml
17)	Aroclor 1232 (5)	6.984	4597862	1512.972	ng/ml
18)	Aroclor 1232 (6)	7.109	5493300	1714.458	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	6.237	1921330	275.574	ng/ml
21)	Aroclor 1242 (2)	6.726	3627052	290.646	ng/ml
22)	Aroclor 1242 (3)	6.851	1624260	287.593	ng/ml
23)	Aroclor 1242 (4)	6.940	5031144	946.504	ng/ml
24)	Aroclor 1242 (5)	6.984	4597862	753.059	ng/ml
25)	Aroclor 1242 (6)	7.109	5493300	842.814	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.726	3627052	514.103	ng/ml
28)	Aroclor 1248 (2)	6.940	5031144	559.693	ng/ml
29)	Aroclor 1248 (3)	6.984	4597862	550.356	ng/ml
30)	Aroclor 1248 (4)	7.109	5493300	540.954	ng/ml
31)	Aroclor 1248 (5)	7.475	7102773	549.748	ng/ml
32)	Aroclor 1248 (6)	7.631	6140621	532.870	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	7.456	4784689	371.017	ng/ml
35)	Aroclor 1254 (2)	7.631	6140621	300.329	ng/ml
36)	Aroclor 1254 (3)	7.942	3630672	164.347	ng/ml
37)	Aroclor 1254 (4)	8.182	2516949	145.014	ng/ml
38)	Aroclor 1254 (5)	8.515	587086	35.483	ng/ml
39)	Aroclor 1254 (6)	8.745	223303	44.429	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml

SAL. 28↑

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R028.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:57
Operator : MJB / KAK
Sample : 0D09025-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:22:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

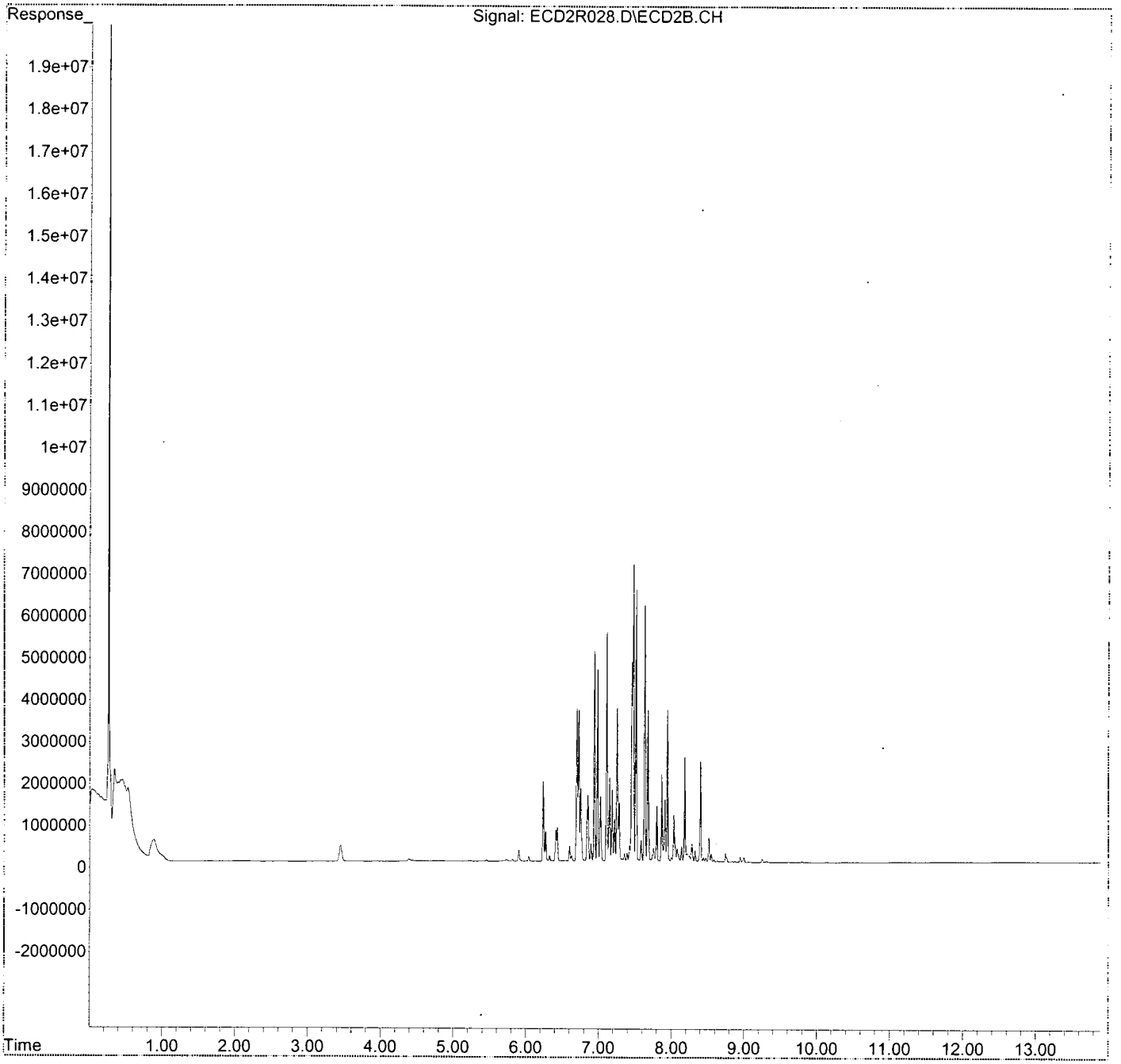
	Compound	R.T.	Response	Conc Units
41)	Aroclor 1260 (1)	8.078	332462	19.927 ng/ml
42)	Aroclor 1260 (2)	8.282	446224	21.539 ng/ml
43)	Aroclor 1260 (3)	8.515	587086	28.207 ng/ml
44)	Aroclor 1260 (4)	8.996	121882	3.590 ng/ml
45)	Aroclor 1260 (5)	9.247	84873	4.288 ng/ml
46)	Aroclor 1260 (6)	9.797	23778	3.055 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.282	446224	27.425 ng/ml
49)	Aroclor 1262 (2)	8.584	58891	2.697 ng/ml
50)	Aroclor 1262 (3)	8.745	223303	12.442 ng/ml
51)	Aroclor 1262 (4)	8.996	121882	3.151 ng/ml
52)	Aroclor 1262 (5)	9.247	84873	3.636 ng/ml
53)	Aroclor 1262 (6)	9.797	23778	2.287 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.804	13013	1.340 ng/ml
56)	Aroclor 1268 (2)	9.247	84873	1.969 ng/ml
57)	Aroclor 1268 (3)	9.310	26282	0.742 ng/ml
58)	Aroclor 1268 (4)	9.518	3996	0.134 ng/ml
59)	Aroclor 1268 (5)	9.797	23778	1.986 ng/ml
60)	Aroclor 1268 (6)	10.135	9057	0.112 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\0D09025\
Data File : ECD2R028.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 15:57
Operator : MJB / KAK
Sample : 0D09025-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:22:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:21
Operator : MJB / KAK
Sample : 0D09025-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:00:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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)	5.565	2858806	9.649	ng/ml
62)	S DCBP (S)	10.434	1549703	9.281	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	228305	23.918	ng/ml
3)	Aroclor 1016 (2)	6.727	366826	21.960	ng/ml
4)	Aroclor 1016 (3)	6.853	181221	23.449	ng/ml
5)	Aroclor 1016 (4)	6.940	199876	24.912	ng/ml
6)	Aroclor 1016 (5)	6.984	209118	24.081	ng/ml
7)	Aroclor 1016 (6)	7.109	208459	23.721	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:21
Operator : MJB / KAK
Sample : 0D09025-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:00:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

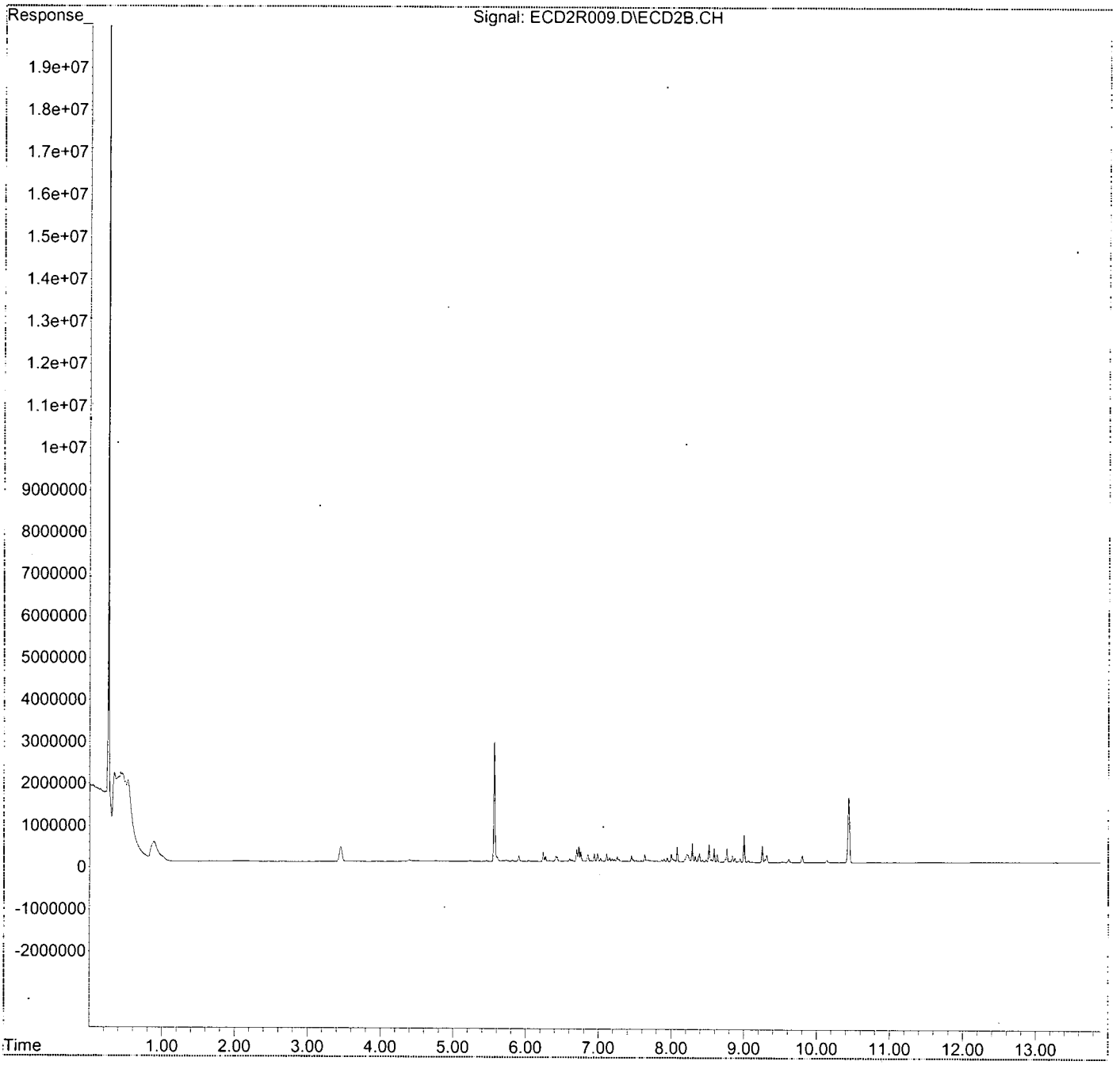
	Compound	R.T.	Response	Conc Units
41)	Aroclor 1260 (1)	8.078	372718	22.339 ng/ml
42)	Aroclor 1260 (2)	8.284	463394	22.368 ng/ml
43)	Aroclor 1260 (3)	8.515	429034	20.613 ng/ml
44)	Aroclor 1260 (4)	8.995	664701	19.579 ng/ml
45)	Aroclor 1260 (5)	9.246	406889	20.558 ng/ml
46)	Aroclor 1260 (6)	9.797	174890	22.468 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D. ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D. ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D. ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D. ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D. ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D. ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D. ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D. ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D. ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D. ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D. ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D. ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:21
Operator : MJB / KAK
Sample : 0D09025-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:00:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:39
Operator : MJB / KAK
Sample : 0D09025-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:02:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 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)	5.564	7524886	25.399	ng/ml
62) S	DCBP (S)	10.434	4063177	24.335	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	530680	55.595	ng/ml
3)	Aroclor 1016 (2)	6.727	879396	52.646	ng/ml
4)	Aroclor 1016 (3)	6.853	424935	54.983	ng/ml
5)	Aroclor 1016 (4)	6.940	445575	55.535	ng/ml
6)	Aroclor 1016 (5)	6.985	471840	54.334	ng/ml
7)	Aroclor 1016 (6)	7.109	485922	55.295	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:39
Operator : MJB / KAK
Sample : 0D09025-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:02:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

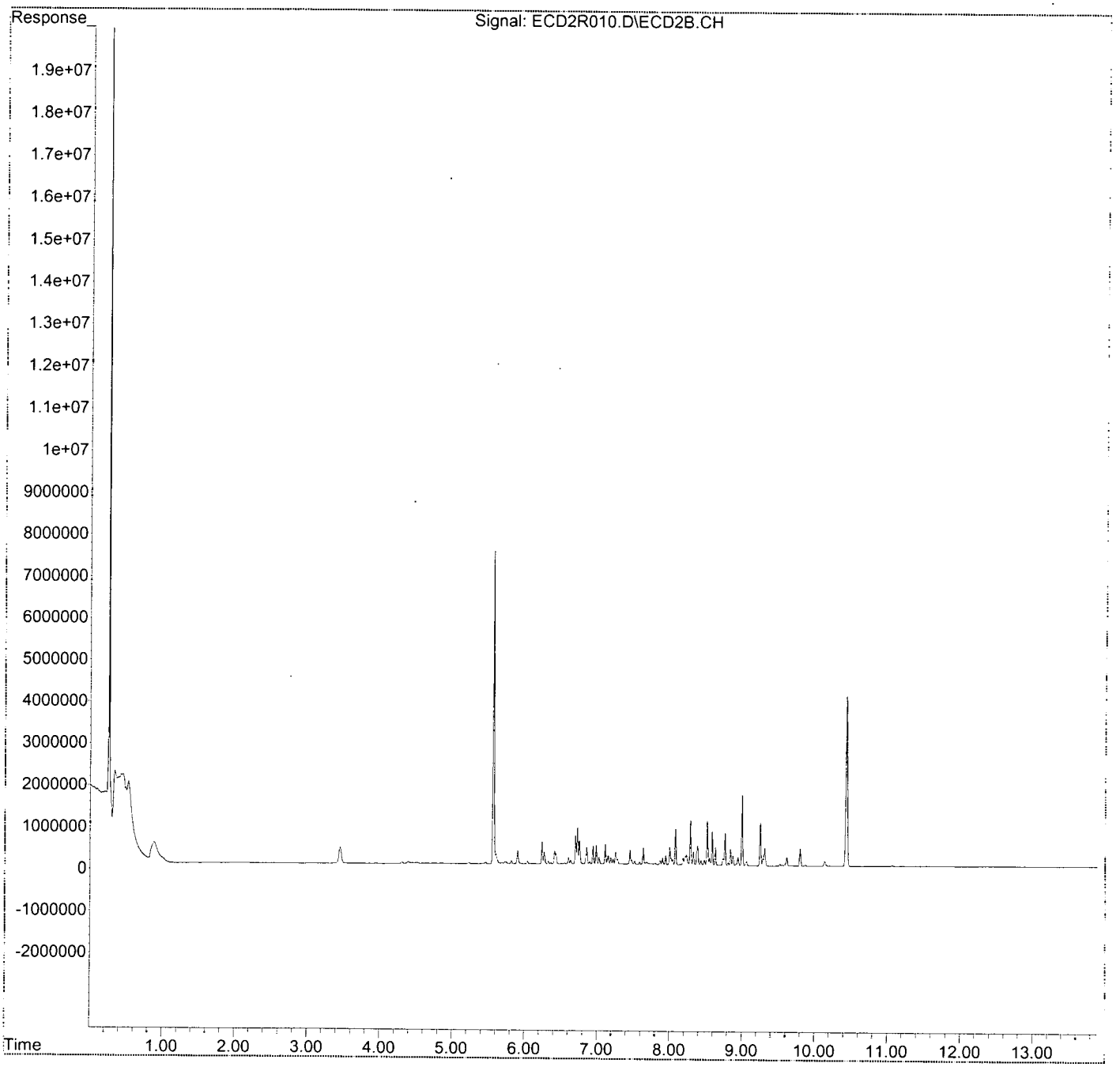
	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.079	883425	52.949	ng/ml
42)	Aroclor 1260 (2)	8.285	1086953	52.467	ng/ml
43)	Aroclor 1260 (3)	8.516	1074479	51.624	ng/ml
44)	Aroclor 1260 (4)	8.996	1693246	49.875	ng/ml
45)	Aroclor 1260 (5)	9.248	1024587	51.768	ng/ml
46)	Aroclor 1260 (6)	9.797	422432	54.269	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:39
Operator : MJB / KAK
Sample : 0D09025-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:02:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:57
Operator : MJB / KAK
Sample : 0D09025-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:03:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/10/20

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.564	14967170	50.519	ng/ml ✓
62)	S DCBP (S)	10.434	7990254	47.855	ng/ml ✓
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	986411	103.338	ng/ml
3)	Aroclor 1016 (2)	6.726	1656065	99.142	ng/ml
4)	Aroclor 1016 (3)	6.852	779857	100.908	ng/ml
5)	Aroclor 1016 (4)	6.940	824102	102.714	ng/ml
6)	Aroclor 1016 (5)	6.984	893465	102.886	ng/ml
7)	Aroclor 1016 (6)	7.109	891768	101.477	ng/ml ✓
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:57
Operator : MJB / KAK
Sample : 0D09025-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:03:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

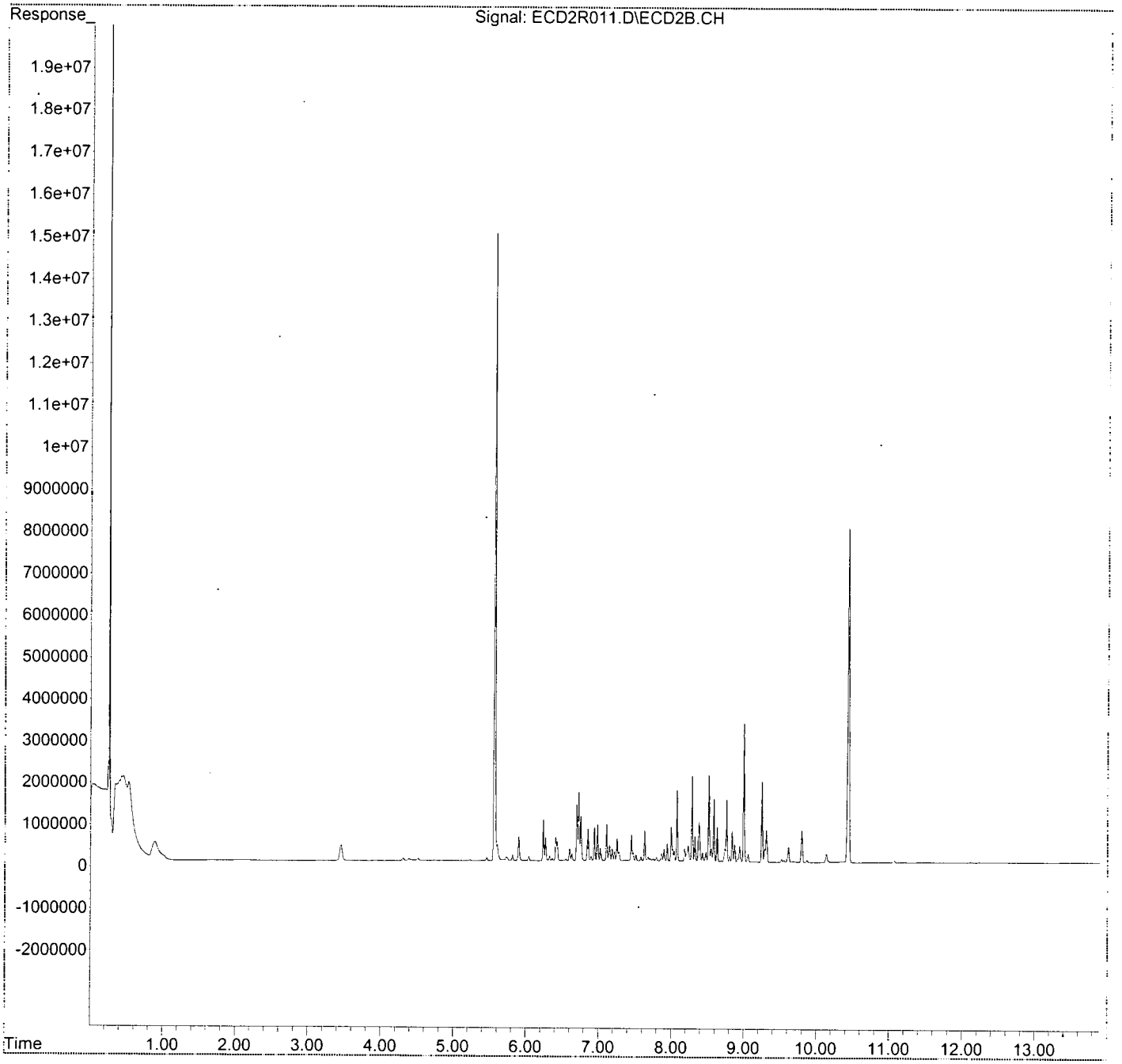
	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.077	1717489	102.940	ng/ml
42)	Aroclor 1260 (2)	8.284	2050232	98.965	ng/ml
43)	Aroclor 1260 (3)	8.515	2071243	99.515	ng/ml
44)	Aroclor 1260 (4)	8.996	3321616	97.839	ng/ml
45)	Aroclor 1260 (5)	9.247	1924731	97.249	ng/ml
46)	Aroclor 1260 (6)	9.796	759405	97.559	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:57
Operator : MJB / KAK
Sample : 0D09025-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:03:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:14
Operator : MJB / KAK
Sample : 0D09025-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:04:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/10/20

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.564	30534821	103.064	ng/ml
62)	S DCBP (S)	10.436	16326808	97.785	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	1851871	194.006	ng/ml
3)	Aroclor 1016 (2)	6.727	3352806	200.718	ng/ml
4)	Aroclor 1016 (3)	6.853	1488183	192.560	ng/ml
5)	Aroclor 1016 (4)	6.939	1563408	194.860	ng/ml
6)	Aroclor 1016 (5)	6.984	1688096	194.392	ng/ml
7)	Aroclor 1016 (6)	7.108	1668249	189.835	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:14
Operator : MJB / KAK
Sample : 0D09025-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:04:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

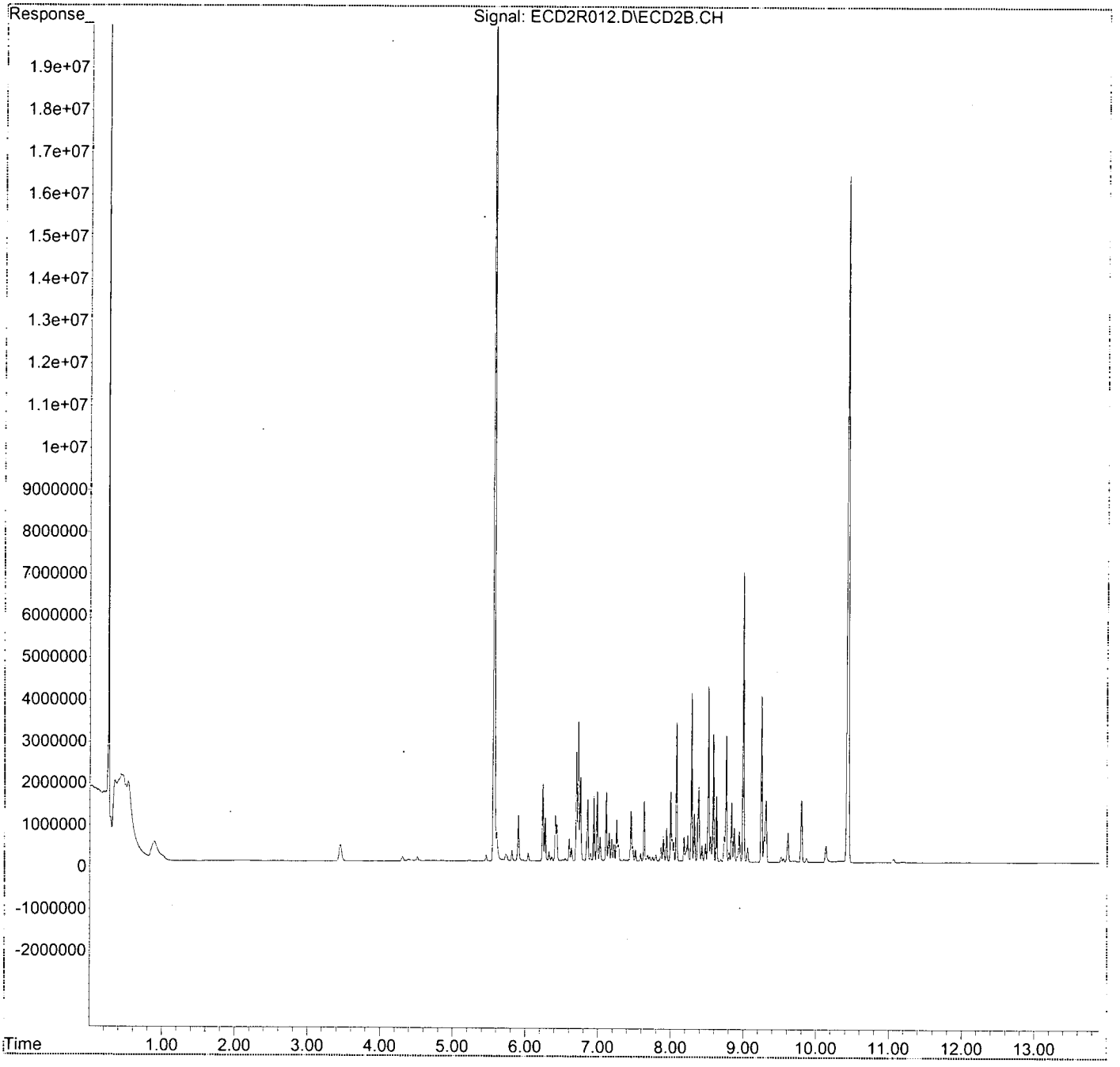
	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.077	3343516	200.398	ng/ml
42)	Aroclor 1260 (2)	8.284	4034423	194.742	ng/ml
43)	Aroclor 1260 (3)	8.515	4197822	201.688	ng/ml
44)	Aroclor 1260 (4)	8.996	6907542	203.462	ng/ml
45)	Aroclor 1260 (5)	9.247	3992265	201.712	ng/ml
46)	Aroclor 1260 (6)	9.796	1500577	192.775	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:14
Operator : MJB / KAK
Sample : 0D09025-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:04:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:32
Operator : MJB / KAK
Sample : 0D09025-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:06:15 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/10/20

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.566	71791386	242.317	ng/ml
62)	S DCBP (S)	10.435	38814291	232.467	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	4182367	438.154	ng/ml
3)	Aroclor 1016 (2)	6.727	7715821	461.913	ng/ml
4)	Aroclor 1016 (3)	6.853	3521177	455.614	ng/ml
5)	Aroclor 1016 (4)	6.940	3462009	431.497	ng/ml
6)	Aroclor 1016 (5)	6.985	3848778	443.204	ng/ml
7)	Aroclor 1016 (6)	7.109	4083977	464.728	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:32
Operator : MJB / KAK
Sample : 0D09025-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:06:15 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

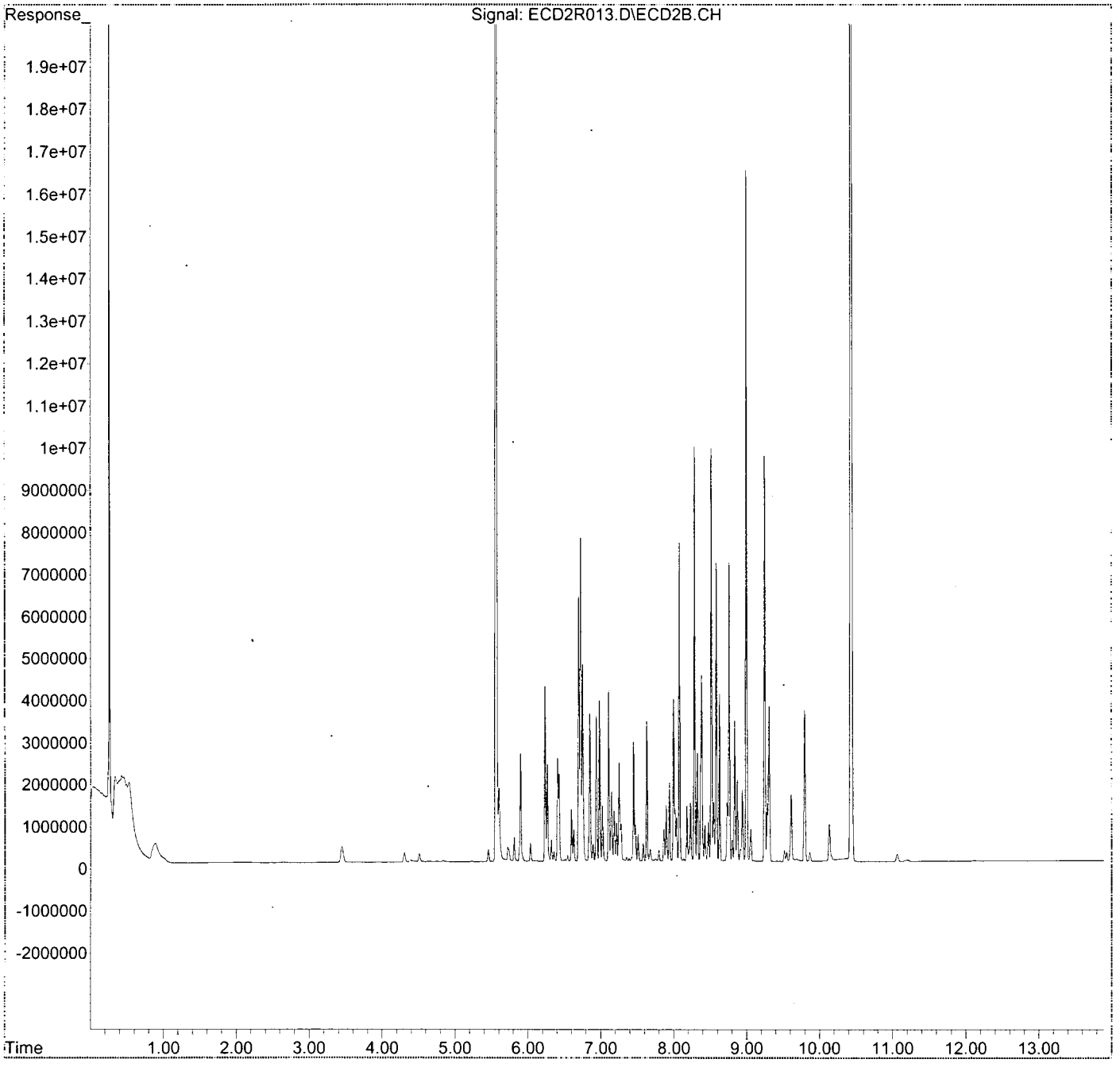
	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.078	7596908	455.331	ng/ml
42)	Aroclor 1260 (2)	8.285	9854734	475.689	ng/ml
43)	Aroclor 1260 (3)	8.516	9824367	472.021	ng/ml
44)	Aroclor 1260 (4)	8.996	16362771	481.967	ng/ml
45)	Aroclor 1260 (5)	9.248	9646918	487.418	ng/ml
46)	Aroclor 1260 (6)	9.796	3594231	461.742	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:32
Operator : MJB / KAK
Sample : 0D09025-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:06:15 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:49
Operator : MJB / KAK
Sample : 0D09025-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:07:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/10/20

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.569	171348734	578.353	ng/ml
62)	S DCBP (S)	10.437	89449036	535.728	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	8523190	892.907	ng/ml
3)	Aroclor 1016 (2)	6.727	16205979	970.183	ng/ml
4)	Aroclor 1016 (3)	6.853	7188564	930.146	ng/ml
5)	Aroclor 1016 (4)	6.940	7244607	902.951	ng/ml
6)	Aroclor 1016 (5)	6.984	7770215	894.775	ng/ml
7)	Aroclor 1016 (6)	7.109	8021413	912.781	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:49
Operator : MJB / KAK
Sample : 0D09025-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:07:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

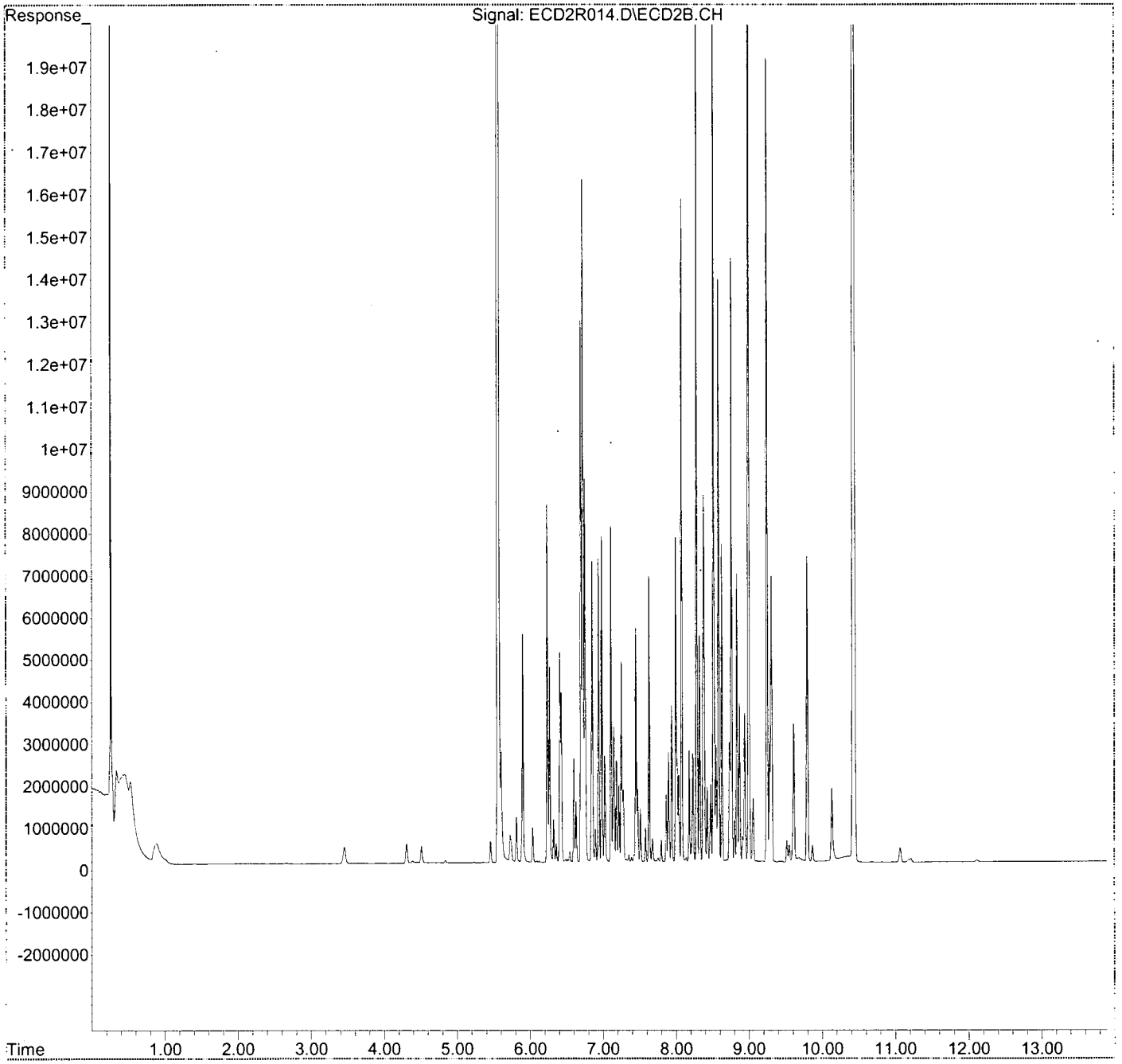
	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.078	15715630	941.937	ng/ml
42)	Aroclor 1260 (2)	8.285	20242699	977.117	ng/ml
43)	Aroclor 1260 (3)	8.516	20278817	974.314	ng/ml
44)	Aroclor 1260 (4)	8.997	33671170	991.787	ng/ml
45)	Aroclor 1260 (5)	9.247	19024170	961.211	ng/ml
46)	Aroclor 1260 (6)	9.797	7276838	934.838	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:49
Operator : MJB / KAK
Sample : 0D09025-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:07:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:07
Operator : MJB / KAK
Sample : 0D09025-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:09:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

4/10/20

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.575	201968251	681.703	ng/ml ✓
62)	S DCBP (S)	10.438	155235623	929.737	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.238	13166755	1379.377	ng/ml
3)	Aroclor 1016 (2)	6.727	24055241	1440.084	ng/ml
4)	Aroclor 1016 (3)	6.853	10603227	1371.978	ng/ml
5)	Aroclor 1016 (4)	6.940	10546235	1314.458	ng/ml ✓
6)	Aroclor 1016 (5)	6.984	12078491	1390.892	ng/ml
7)	Aroclor 1016 (6)	7.109	11888296	1352.805	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:07
Operator : MJB / KAK
Sample : 0D09025-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:09:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

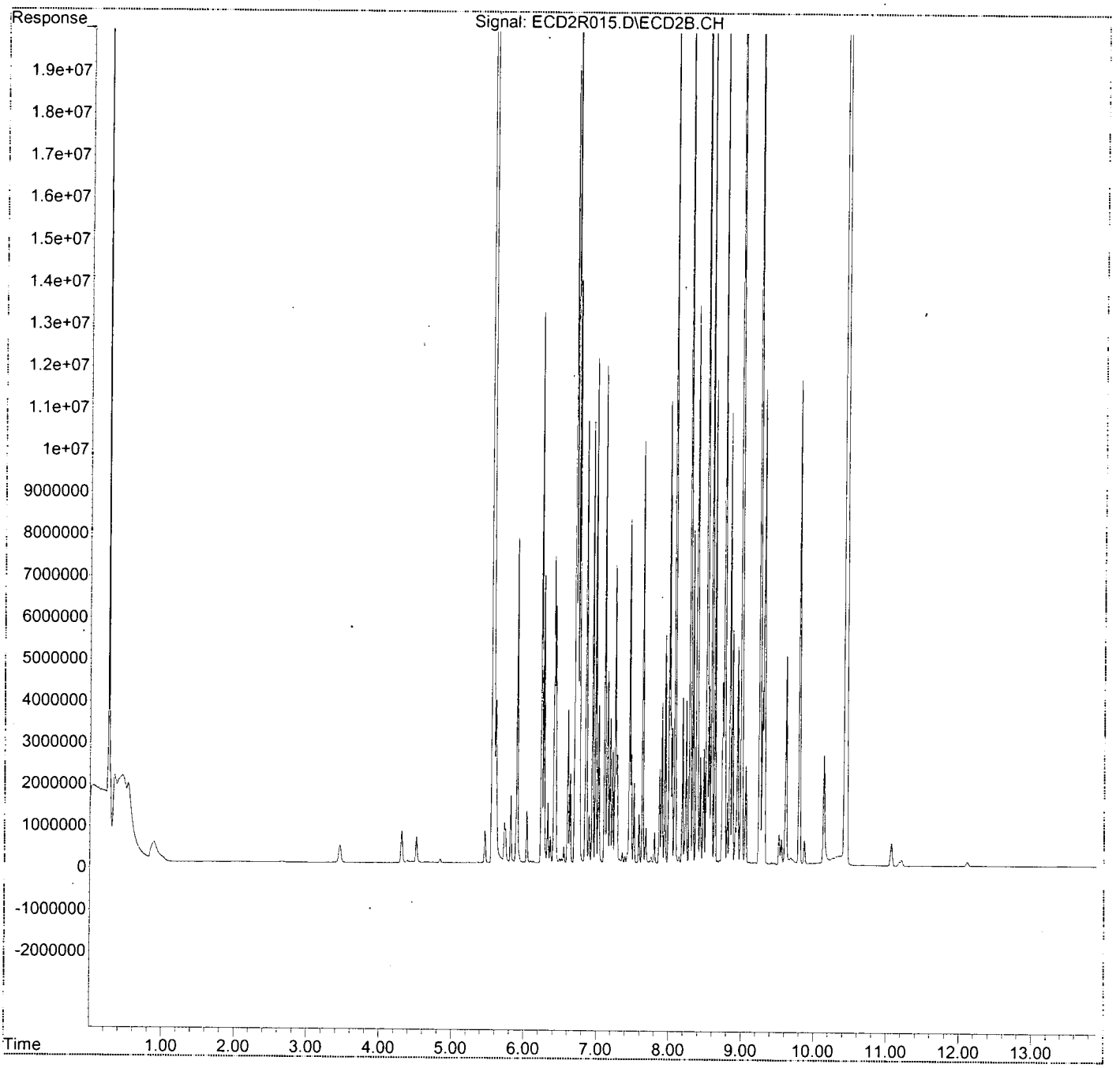
	Compound	R.T.	Response	Conc	Units
41)	Aroclor 1260 (1)	8.078	23526436	1410.088	ng/ml
42)	Aroclor 1260 (2)	8.286	29222890	1410.592	ng/ml
43)	Aroclor 1260 (3)	8.517	31685442	1522.356	ng/ml
44)	Aroclor 1260 (4)	8.997	54599045	1608.220	ng/ml
45)	Aroclor 1260 (5)	9.248	30270446	1529.438	ng/ml
46)	Aroclor 1260 (6)	9.797	11599623	1490.175	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\requant\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:07
Operator : MJB / KAK
Sample : 0D09025-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 10 08:09:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.M
Quant Title : PCB Data Analysis
QLast Update : Fri Apr 10 07:54:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Sequence: C:\HPCHEM\2\SEQUENCE\0D09024.S

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 4	conditioning run	E2A21015	1	Sample		
4	Vial 4	conditioning run	E2A21015	1	Sample		
5	Vial 1	Hexane	E2A21015	1	Sample		
6	Vial 2	0D09024-CCV1	E2A21015	1	Sample		
7	Vial 3	0D09024-CCB1	E2A21015	1	Sample		
8	Vial 1	Hexane	E2A21015	1	Sample		
9	Vial 1	Hexane	E2A21015	1	Sample		
10	Vial 1	Hexane	E2A21015	1	Sample		
11	Vial 1	Hexane	E2A21015	1	Sample		
12	Vial 1	Hexane	E2A21015	1	Sample		
13	Vial 1	Hexane	E2A21015	1	Sample		
14	Vial 1	Hexane	E2A21015	1	Sample		
15	Vial 1	Hexane	E2A21015	1	Sample		
16	Vial 1	Hexane	E2A21015	1	Sample		
17	Vial 1	Hexane	E2A21015	1	Sample		
18	Vial 1	Hexane	E2A21015	1	Sample		
19	Vial 62	1221	E2A21015	1	Sample		
20	Vial 63	1232	E2A21015	1	Sample		
21	Vial 64	1242	E2A21015	1	Sample		
22	Vial 65	1248	E2A21015	1	Sample		
23	Vial 66	1254	E2A21015	1	Sample		
24	Vial 67	1262	E2A21015	1	Sample		
25	Vial 68	1268	E2A21015	1	Sample		
26	Vial 1	Hexane	E2A21015	1	Sample		
27	Vial 1	Hexane	E2A21015	1	Sample		
28	Vial 1	Hexane	E2A21015	1	Sample		

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Hexane	E2A21015	1	Sample		
2	Vial 51	Hexane	E2A21015	1	Sample		
3	Vial 52	0D09025-CCV1	E2A21015	1	Sample		
4	Vial 53	0D09025-CCB1	E2A21015	1	Sample		
5	Vial 51	Hexane	E2A21015	1	Sample		
6	Vial 51	Hexane	E2A21015	1	Sample		
7	Vial 51	Hexane	E2A21015	1	Sample		
8	Vial 53	0D09025-ICB1	E2A21015	1	Sample		
9	Vial 54	0D09025-CAL1	E2A21015	1	Sample		
10	Vial 55	0D09025-CAL2	E2A21015	1	Sample		
11	Vial 56	0D09025-CAL3	E2A21015	1	Sample		
12	Vial 57	0D09025-CAL4	E2A21015	1	Sample		
13	Vial 58	0D09025-CAL5	E2A21015	1	Sample		
14	Vial 59	0D09025-CAL6	E2A21015	1	Sample		
15	Vial 60	0D09025-CAL7	E2A21015	1	Sample		
16	Vial 51	0D09025-IBL1	E2A21015	1	Sample		
17	Vial 61	0D09025-ICV1	E2A21015	1	Sample		
18	Vial 62	0D09025-CAL8	E2A21015	1	Sample		
19	Vial 63	0D09025-CAL9	E2A21015	1	Sample		
20	Vial 64	0D09025-CALA	E2A21015	1	Sample		
21	Vial 65	0D09025-CALB	E2A21015	1	Sample		
22	Vial 66	0D09025-CALC	E2A21015	1	Sample		

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Sequence: C:\HPCHEM\2\SEQUENCE\0D09024.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 67	0D09025-CALD	E2A21015	1	Sample		
24	Vial 68	0D09025-CALE	E2A21015	1	Sample		
25	Vial 69	0D09025-ICV2	E2A21015	1	Sample		
26	Vial 70	0D09025-ICV3	E2A21015	1	Sample		
27	Vial 71	0D09025-ICV4	E2A21015	1	Sample		
28	Vial 72	0D09025-ICV5	E2A21015	1	Sample		

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:21
Operator : MJB / KAK
Sample : 0D09025-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 11:58:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

4/9/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.565	2858806	12.671	ng/ml
62)	S DCBP (S)	10.434	1549703	13.933	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	228305	36.931	ng/ml
3)	Aroclor 1016 (2)	6.727	366826	32.061	ng/ml
4)	Aroclor 1016 (3)	6.853	181221	33.832	ng/ml
5)	Aroclor 1016 (4)	6.940	199876	40.454	ng/ml
6)	Aroclor 1016 (5)	6.984	209118	37.709	ng/ml
7)	Aroclor 1016 (6)	7.109	208459	36.491	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	8.078	372718	35.403	ng/ml
42)	Aroclor 1260 (2)	8.284	463394	36.309	ng/ml
43)	Aroclor 1260 (3)	8.515	429034	32.353	ng/ml
44)	Aroclor 1260 (4)	8.995	664701	31.424	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:21
Operator : MJB / KAK
Sample : 0D09025-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 11:58:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.246	406889	33.257	ng/ml
46)	Aroclor 1260 (6)	9.797	174890	35.838	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

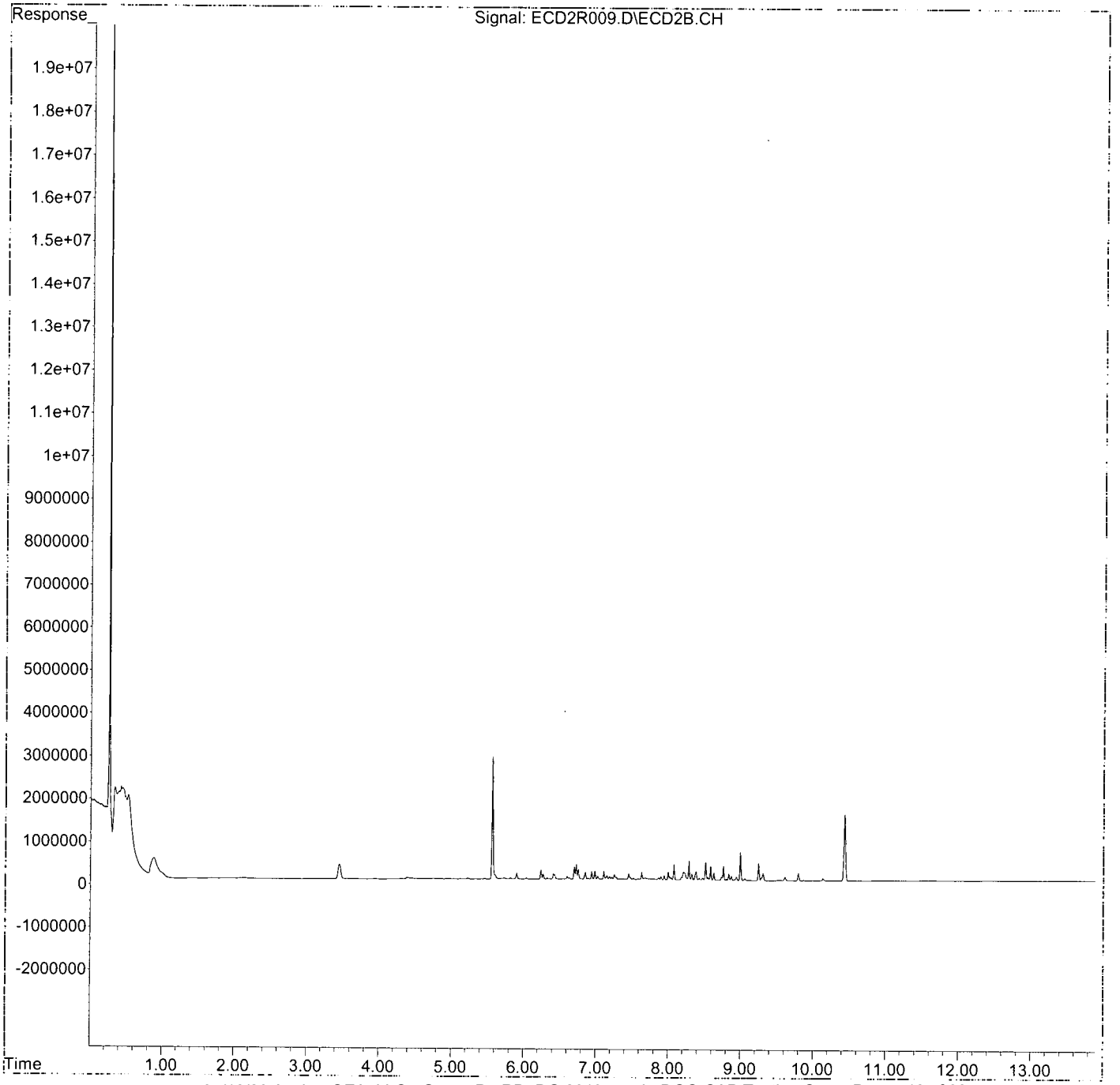
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:21
Operator : MJB / KAK
Sample : 0D09025-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 11:58:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:39
Operator : MJB / KAK
Sample : 0D09025-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:00:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

4/9/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.564	7524886	33.351	ng/ml
62)	S DCBP (S)	10.434	4063177	36.532	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	530680	85.843	ng/ml
3)	Aroclor 1016 (2)	6.727	879396	76.861	ng/ml
4)	Aroclor 1016 (3)	6.853	424935	79.331	ng/ml
5)	Aroclor 1016 (4)	6.940	445575	90.183	ng/ml
6)	Aroclor 1016 (5)	6.985	471840	85.085	ng/ml
7)	Aroclor 1016 (6)	7.109	485922	85.062	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	8.079	883425	83.913	ng/ml
42)	Aroclor 1260 (2)	8.285	1086953	85.168	ng/ml
43)	Aroclor 1260 (3)	8.516	1074479	81.024	ng/ml
44)	Aroclor 1260 (4)	8.996	1693246	80.050	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:39
Operator : MJB / KAK
Sample : 0D09025-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:00:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.248	1024587	83.744	ng/ml
46)	Aroclor 1260 (6)	9.797	422432	86.565	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

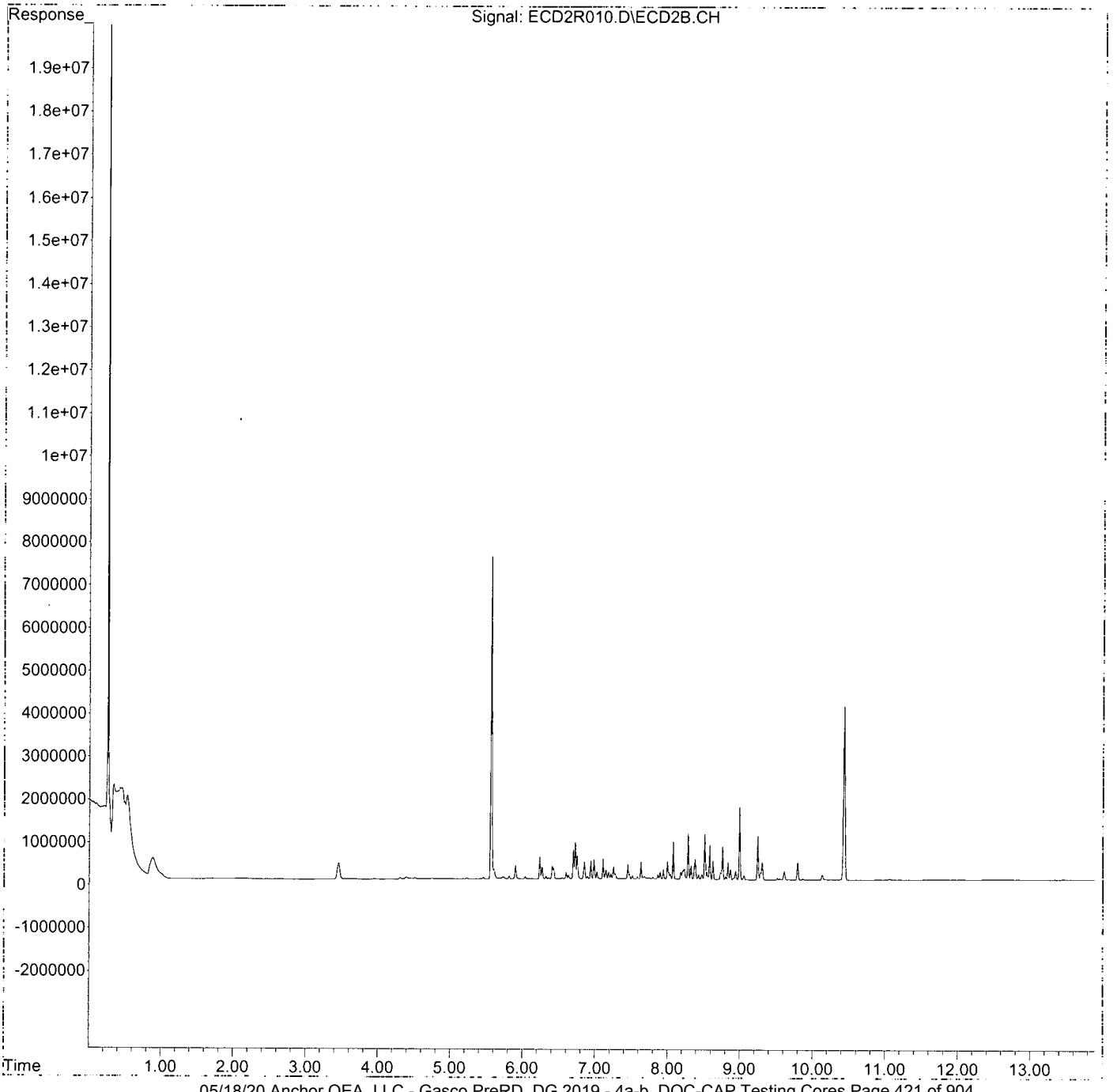
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:39
Operator : MJB / KAK
Sample : 0D09025-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:00:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:57
Operator : MJB / KAK
Sample : 0D09025-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:02:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

4/9/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.564	14967170	66.336	ng/ml
62)	S DCBP (S)	10.434	7990254	71.840	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	986411	159.562	ng/ml
3)	Aroclor 1016 (2)	6.726	1656065	144.744	ng/ml
4)	Aroclor 1016 (3)	6.852	779857	145.591	ng/ml
5)	Aroclor 1016 (4)	6.940	824102	166.797	ng/ml
6)	Aroclor 1016 (5)	6.984	893465	161.115	ng/ml
7)	Aroclor 1016 (6)	7.109	891768	156.106	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	8.077	1717489	163.138	ng/ml
42)	Aroclor 1260 (2)	8.284	2050232	160.646	ng/ml
43)	Aroclor 1260 (3)	8.515	2071243	156.189	ng/ml
44)	Aroclor 1260 (4)	8.996	3321616	157.032	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:57
Operator : MJB / KAK
Sample : 0D09025-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:02:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.247	1924731	157.317	ng/ml
46)	Aroclor 1260 (6)	9.796	759405	155.617	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

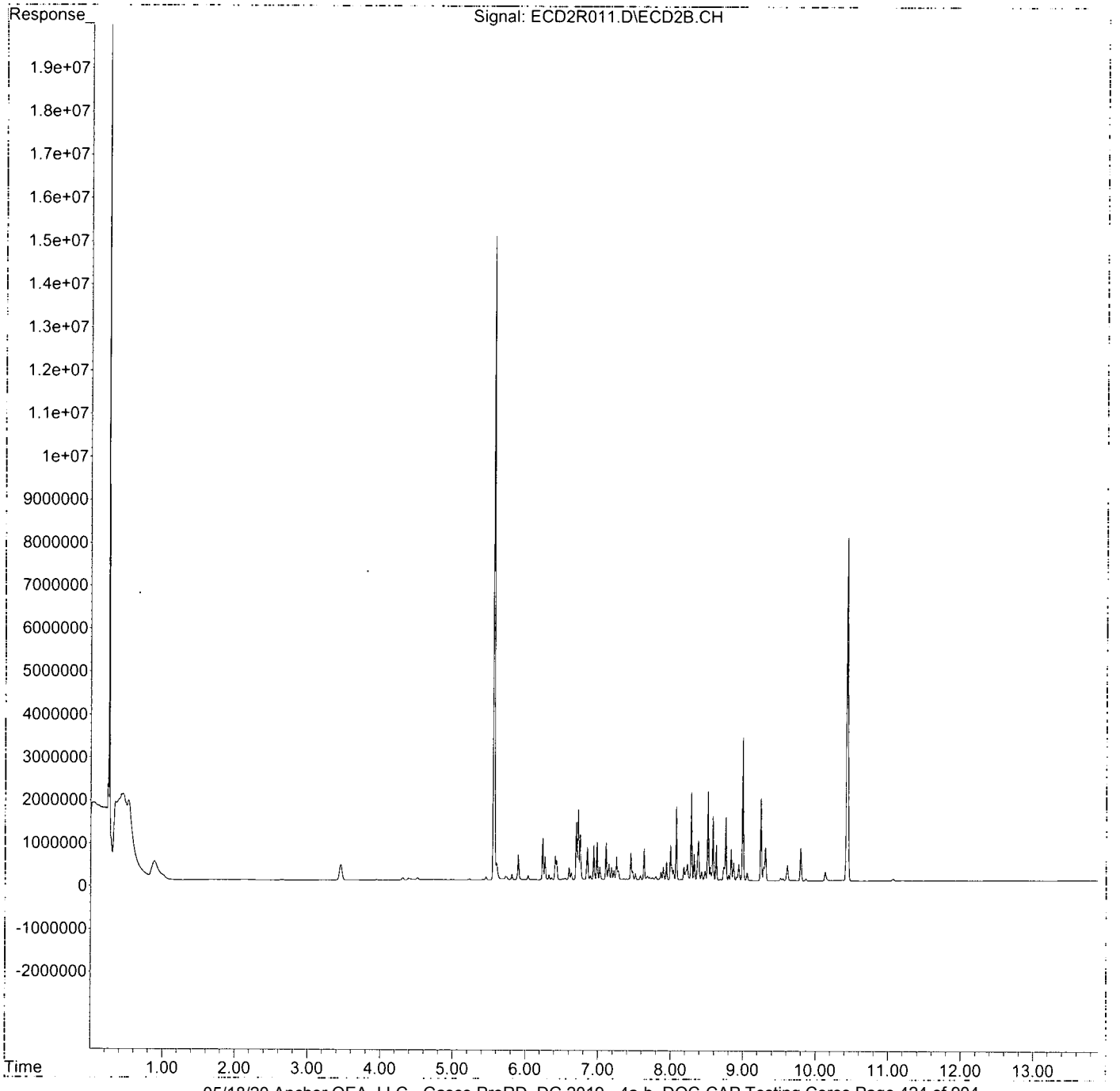
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 10:57
Operator : MJB / KAK
Sample : 0D09025-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:02:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:14
Operator : MJB / KAK
Sample : 0D09025-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:03:59 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

4/9/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.564	30534821	135.334	ng/ml
62) S	DCBP (S)	10.436	16326808	146.793	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	1851871	299.559	ng/ml
3)	Aroclor 1016 (2)	6.727	3352806	293.043	ng/ml
4)	Aroclor 1016 (3)	6.853	1488183	277.827	ng/ml
5)	Aroclor 1016 (4)	6.939	1563408	316.431	ng/ml
6)	Aroclor 1016 (5)	6.984	1688096	304.407	ng/ml
7)	Aroclor 1016 (6)	7.108	1668249	292.031	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	8.077	3343516	317.587	ng/ml
42)	Aroclor 1260 (2)	8.284	4034423	316.116	ng/ml
43)	Aroclor 1260 (3)	8.515	4197822	316.550	ng/ml
44)	Aroclor 1260 (4)	8.996	6907542	326.560	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:14
Operator : MJB / KAK
Sample : 0D09025-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:03:59 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.247	3992265	326.306	ng/ml
46)	Aroclor 1260 (6)	9.796	1500577	307.498	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

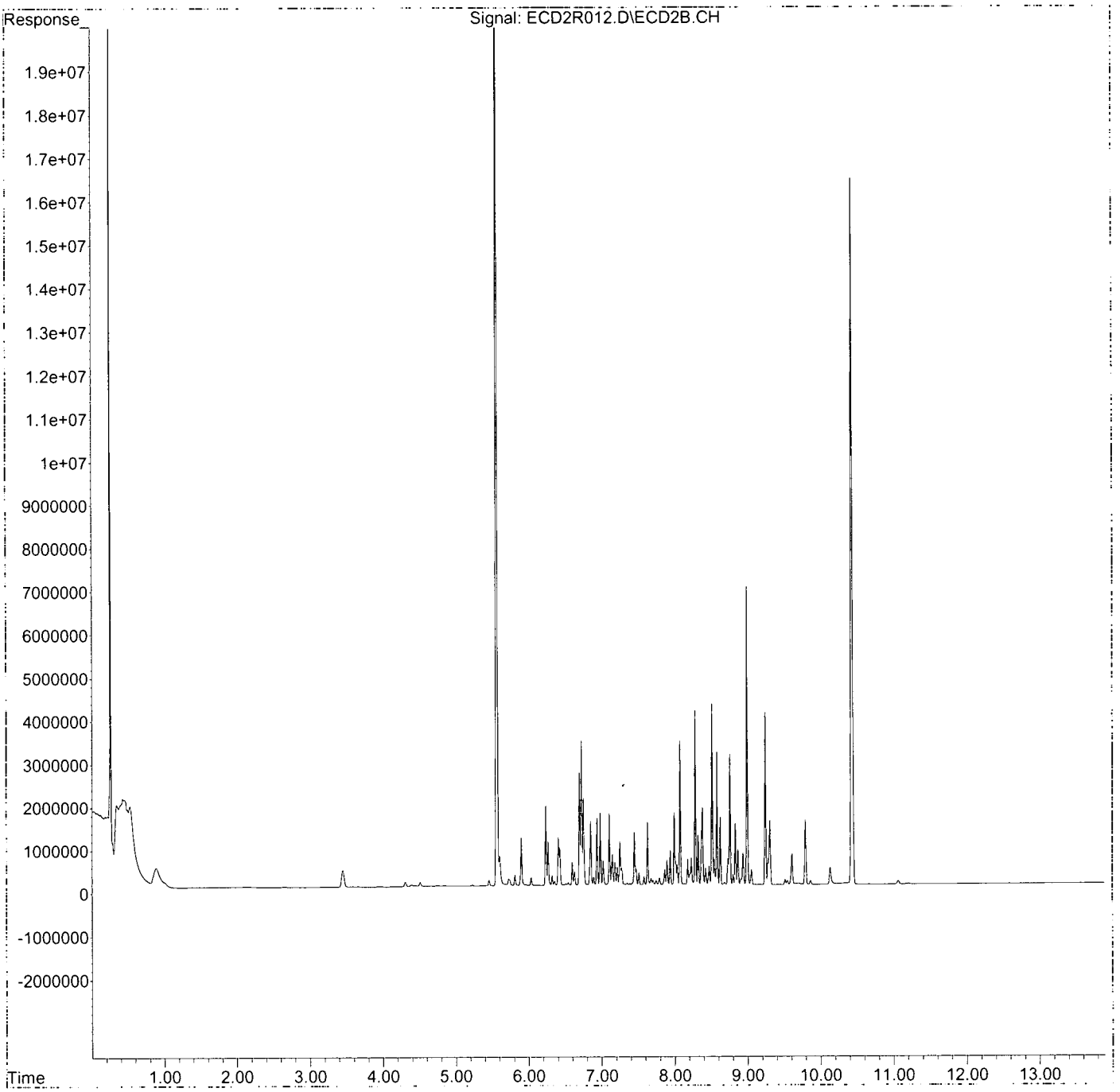
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:14
Operator : MJB / KAK
Sample : 0D09025-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:03:59 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:32
Operator : MJB / KAK
Sample : 0D09025-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 11:57:02 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

4/9/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.566	71791386	318.188	ng/ml
62)	S DCBP (S)	10.435	38814291	348.975	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	4182367	676.541	ng/ml
3)	Aroclor 1016 (2)	6.727	7715821	674.380	ng/ml
4)	Aroclor 1016 (3)	6.853	3521177	657.365	ng/ml
5)	Aroclor 1016 (4)	6.940	3462009	700.704	ng/ml
6)	Aroclor 1016 (5)	6.985	3848778	694.034	ng/ml
7)	Aroclor 1016 (6)	7.109	4083977	714.910	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	8.078	7596908	721.600	ng/ml
42)	Aroclor 1260 (2)	8.285	9854734	772.166	ng/ml
43)	Aroclor 1260 (3)	8.516	9824367	740.838	ng/ml
44)	Aroclor 1260 (4)	8.996	16362771	773.563	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:32
Operator : MJB / KAK
Sample : 0D09025-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 11:57:02 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.248	9646918	788.486	ng/ml
46)	Aroclor 1260 (6)	9.796	3594231	736.529	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

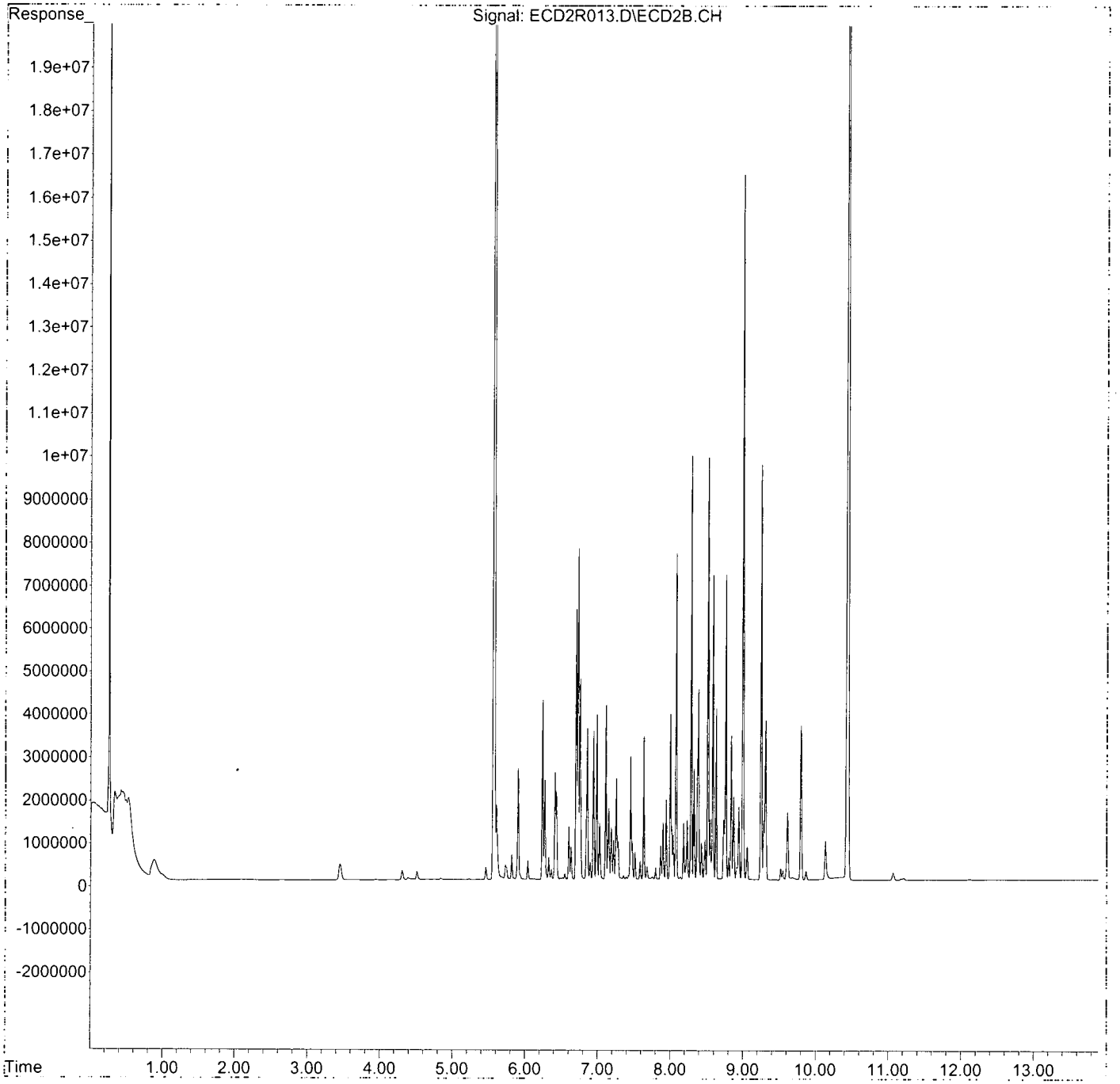
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:32
Operator : MJB / KAK
Sample : 0D09025-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 11:57:02 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:49
Operator : MJB / KAK
Sample : 0D09025-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:10:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

4/9/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.569	171348734	759.437	ng/ml
62)	S DCBP (S)	10.437	89449036	804.227	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.237	8523190	1378.715	ng/ml
3)	Aroclor 1016 (2)	6.727	16205979	1416.429	ng/ml
4)	Aroclor 1016 (3)	6.853	7188564	1342.025	ng/ml
5)	Aroclor 1016 (4)	6.940	7244607	1466.294	ng/ml
6)	Aroclor 1016 (5)	6.984	7770215	1401.170	ng/ml
7)	Aroclor 1016 (6)	7.109	8021413	1404.168	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	8.078	15715630	1492.766	ng/ml
42)	Aroclor 1260 (2)	8.285	20242699	1586.112	ng/ml
43)	Aroclor 1260 (3)	8.516	20278817	1529.189	ng/ml
44)	Aroclor 1260 (4)	8.997	33671170	1591.831	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:49
Operator : MJB / KAK
Sample : 0D09025-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:10:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.247	19024170	1554.932	ng/ml
46)	Aroclor 1260 (6)	9.797	7276838	1491.168	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

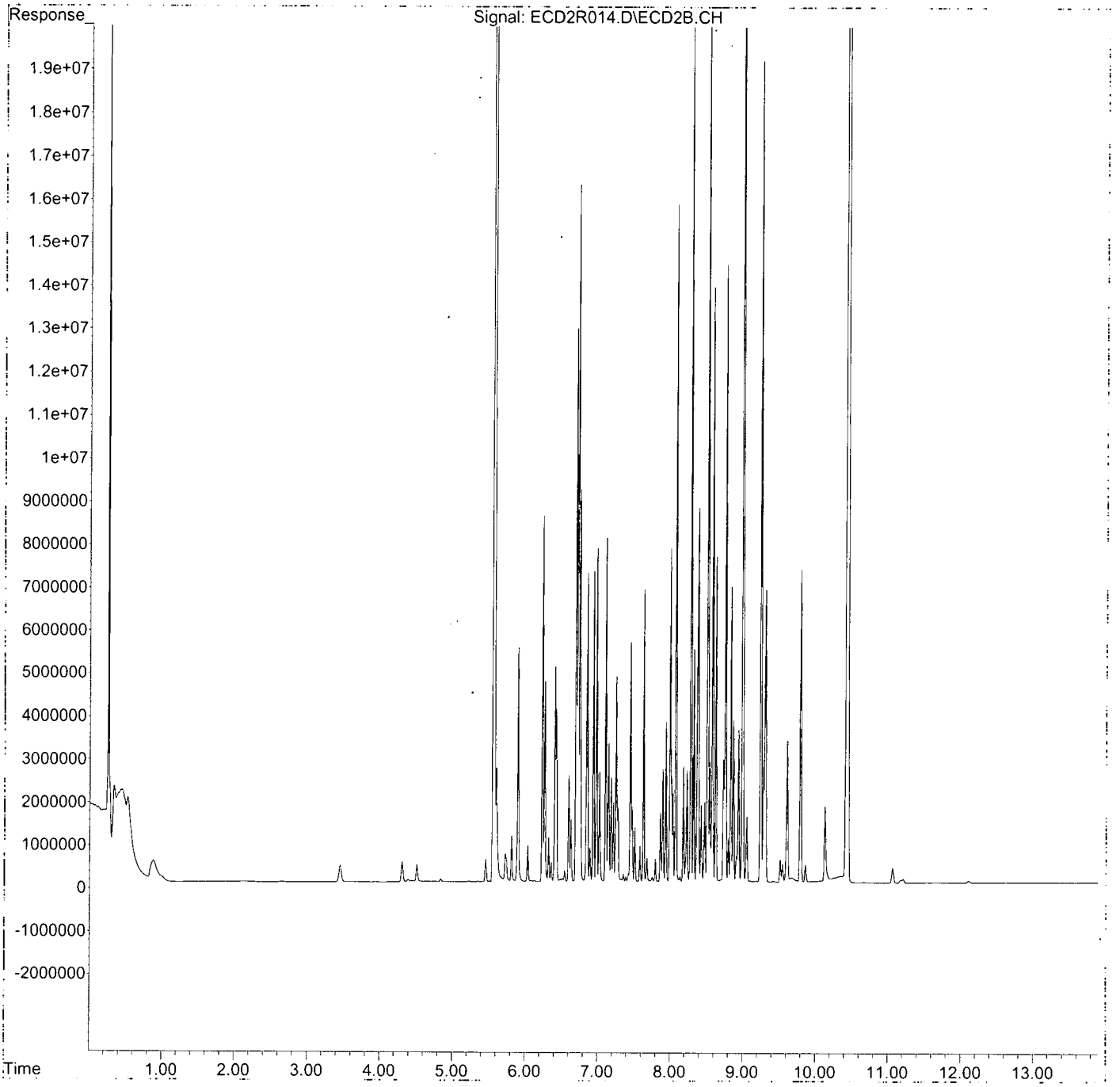
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 11:49
Operator : MJB / KAK
Sample : 0D09025-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:10:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:07
Operator : MJB / KAK
Sample : 0D09025-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:23:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

4/9/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.575	201968251	895.146	ng/ml
62)	S DCBP (S)	10.438	155235623	1395.707	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.238	13166755	2129.859	ng/ml
3)	Aroclor 1016 (2)	6.727	24055241	2102.483	ng/ml
4)	Aroclor 1016 (3)	6.853	10603227	1979.505	ng/ml
5)	Aroclor 1016 (4)	6.940	10546235	2134.537	ng/ml
6)	Aroclor 1016 (5)	6.984	12078491	2178.064	ng/ml
7)	Aroclor 1016 (6)	7.109	11888296	2081.075	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	8.078	23526436	2234.683	ng/ml
42)	Aroclor 1260 (2)	8.286	29222890	2289.753	ng/ml
43)	Aroclor 1260 (3)	8.517	31685442	2389.341	ng/ml
44)	Aroclor 1260 (4)	8.997	54599045	2581.213	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:07
Operator : MJB / KAK
Sample : 0D09025-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:23:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.248	30270446	2474.141	ng/ml
46)	Aroclor 1260 (6)	9.797	11599623	2376.992	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

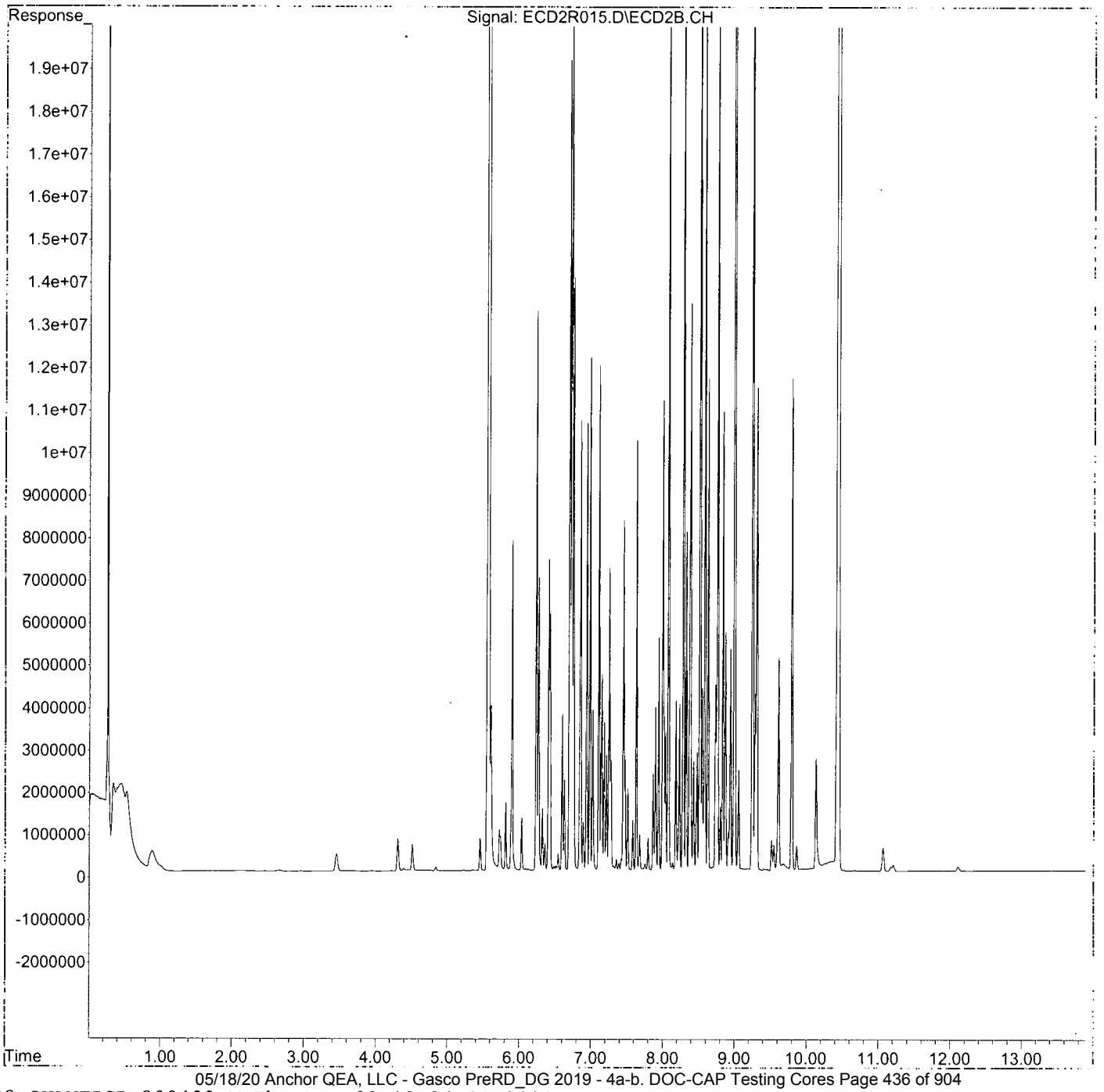
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D09025\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 09 Apr 2020 12:07
Operator : MJB / KAK
Sample : 0D09025-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 09 12:23:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200409.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

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



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Batch 0040379
Sequence 0D14043 (A0D0205-01RE1,02RE1,03RE1,04RE1)

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PREPARATION BENCH SHEET

APR 2 3 2020

BATCH #: 0040379 (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	pH other	pH >11
	0040379-BLK1		QC	04/10/20 08:28	11	10				100					
	0040379-BS1		QC	04/10/20 08:28	10	10	A20C413		100	100					
	A0D0196-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.39	10				100	PDI-047SC-A-04 -05-191001	MS/MSD/DUP, MDL. Use Custom Spike.			
	0040379-DUP1		QC	04/10/20 08:28	10.27	10		A0D0196-01RE1		100					
	0040379-MS1		QC	04/10/20 08:28	10.37	10	A20C413	A0D0196-01RE1	100	100					
	0040379-MSD1		QC	04/10/20 08:28	10.53	10	A20C413	A0D0196-01RE1	100	100					
	A0D0196-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.02	10				100	PDI-047SC-A-05 -06-191001	MDL. Use Custom Spike.			
	A0D0196-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.67	10				100	PDI-047SC-A-06 -07-191001	MDL. Use Custom Spike.			
	A0D0196-04RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.91	10				100	PDI-047SC-A-07 -08-191001	MDL. Use Custom Spike.			
	A0D0205-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.78	10				100	PDI-049SC-A-08 -09-191015	MDL. Use Custom Spike.			
	A0D0205-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.28	10				100	PDI-049SC-A-09 -10-191015	MDL. Use Custom Spike.			
	A0D0205-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.99	10				100	PDI-049SC-A-10 -11-191015	MDL. Use Custom Spike.			
	A0D0205-04RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.39	10				100	PDI-049SC-A-11 -12-191015	MDL. Use Custom Spike.			
	A0D0207-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.68	10				100	PDI-057SC-A-09 -10-191023	MDL. Use Custom Spike.			
	A0D0207-01RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.68	10				100	PDI-057SC-A-09 -10-191023	Added 4/16/2020 By MJB			
	A0D0207-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.88	10				100	PDI-057SC-A-10 -11-191023	MDL. Use Custom Spike.			
	A0D0207-02RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.88	10				100	PDI-057SC-A-10 -11-191023	Added 4/16/2020 By MJB			
	A0D0207-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.17	20				100	PDI-057SC-A-11 -12-191023	MDL. Use Custom Spike.			
	A0D0207-03RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.17	20				100	PDI-057SC-A-11 -12-191023	Added 4/16/2020 By MJB			
	A0D0207-04RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.28	10				100	PDI-057SC-A-12 -13-191023	MDL. Use Custom Spike.			

Prepared By: _____ Date _____

MB
Reviewed By: _____ 4/20/20
Date

Printed: 4/20/2020 3:46:27PM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040379 (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	pH 2thru11	pH >11
	A0D0207-04RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.28	10				100	PDI-057SC-A-12 -13-191023	Added 4/16/2020 By MJB			
	A0D0207-05RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.45	10				100	PDI-062SC-A-11 -12-191023	MDL. Use Custom Spike.			
	A0D0207-05RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.45	10				100	PDI-062SC-A-11 -12-191023	Added 4/16/2020 By MJB			
	A0D0207-06RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.21	10				100	PDI-062SC-A-12 -13-191023	MDL. Use Custom Spike.			
	A0D0207-06RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.21	10				100	PDI-062SC-A-12 -13-191023	Added 4/16/2020 By MJB			
	A0D0210-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.45	20				100	PDI-076SC-A-06 -07-191013	MDL. Use Custom Spike.			
	A0D0210-01RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.45	20				100	PDI-076SC-A-06 -07-191013	Added 4/16/2020 By MJB			
	A0D0210-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.12	20				100	PDI-076SC-A-07 -08-191013	MDL. Use Custom Spike.			
	A0D0210-02RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.12	20				100	PDI-076SC-A-07 -08-191013	Added 4/16/2020 By MJB			
	A0D0212-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.16	10				100	PDI-077SC-A-04 -05-191014	MDL. Use Custom Spike.			
	A0D0212-02RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.16	10				100	PDI-077SC-A-04 -05-191014	Added 4/16/2020 By MJB			
	A0D0212-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.32	10				100	PDI-077SC-A-05 -06-191014	MDL. Use Custom Spike.			
	A0D0212-03RE2	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.32	10				100	PDI-077SC-A-05 -06-191014	Added 4/16/2020 By MJB			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20A032	06/30/23	n-Hexane Lot# 197051
A20C403	03/31/21	DCM CHEM PROD. 197501

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C413	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20C363	09/20/20	8082 PCB Surrogate Spike

From 0040362 on 4/10/2020 by ajj

Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040379 (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	pH Other	pH >11
3	0040379-BLK1		QC	04/10/20 08:28	11	5 10				100		1mL 2mL			
4	0040379-BS1		QC	04/10/20 08:28	10	5 10	A20C413	4/13/20	100	100		1mL 2mL			
5	A0D0196-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.39	5 10				100	PDI-047SC-A-04-05-191001	MS/MSD/DUP, MDL. Use Custom Spike. 1mL 2mL			
6	0040379-DUP1		QC	04/10/20 08:28	10.27	5 10		A0D0196-01RE1		100		1mL 2mL			
7	0040379-MS1		QC	04/10/20 08:28	10.37	5 10	A20C413	A0D0196-01RE1	100	100		1mL 2mL			
8	0040379-MSD1		QC	04/10/20 08:28	10.53	5 10	A20C413	A0D0196-01RE1	100	100		1mL 2mL			
9	A0D0196-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.02	5 10				100	PDI-047SC-A-05-06-191001	MDL. Use Custom Spike. 1mL 2mL			
10	A0D0196-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.67	5 10				100	PDI-047SC-A-06-07-191001	MDL. Use Custom Spike. 1mL 2mL			
11	A0D0196-04RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.91	5 10				100	PDI-047SC-A-07-08-191001	MDL. Use Custom Spike. 1mL 2mL			
12	A0D0205-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.78	5 10				100	PDI-049SC-A-08-09-191015	MDL. Use Custom Spike. 1mL 2mL			
13	A0D0205-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.28	5 10				100	PDI-049SC-A-09-10-191015	MDL. Use Custom Spike. 1mL 2mL			
14	A0D0205-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.99	5 10				100	PDI-049SC-A-10-11-191015	MDL. Use Custom Spike. 1mL 2mL			
15	A0D0205-04RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.39	5 10				100	PDI-049SC-A-11-12-191015	MDL. Use Custom Spike. 1mL 2mL			
16	A0D0207-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.68	5 10				100	PDI-057SC-A-09-10-191023	MDL. Use Custom Spike. 1mL 2mL			
17	A0D0207-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.88	5 10				100	PDI-057SC-A-10-11-191023	MDL. Use Custom Spike. 1mL 2mL			
18	A0D0207-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.17	5 20				100	PDI-057SC-A-11-12-191023	MDL. Use Custom Spike. 0.5mL 2mL			
19	A0D0207-04RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.28	5 10				100	PDI-057SC-A-12-13-191023	MDL. Use Custom Spike. 1mL 2mL			
20	A0D0207-05RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.45	5 10				100	PDI-062SC-A-11-12-191023	MDL. Use Custom Spike. 1mL 2mL			
21	A0D0207-06RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.21	5 10				100	PDI-062SC-A-12-13-191023	MDL. Use Custom Spike. 1mL 2mL			
22	A0D0210-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.45	5 20				100	PDI-076SC-A-06-07-191013	MDL. Use Custom Spike. 0.5mL 2mL			

Prepared By: AJJ Date: 4-13-20

Reviewed By: JC Date: 4/17/2020 20:20

JAG 4/14/2020

am 4/14/20

Printed: 4/10/2020 10:56:39AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040379 (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	pH other	pH >11
23	A0D0210-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.12	~~5~~ 20				100	PDI-076SC-A-07-08-191013	MDL. Use Custom Spike. 0.5mL 2mL			
24	A0D0212-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.16	~~5~~ 10				100	PDI-077SC-A-04-05-191014	MDL. Use Custom Spike. 1mL 2mL			
25	A0D0212-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	10.32	~~5~~ 10				100	PDI-077SC-A-05-06-191014	MDL. Use Custom Spike. 1mL 2mL			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20A032	06/30/23	n-Hexane Lot# 197051
A20C403	03/31/21	DCM CHEM PROD. 197501

AJJ 4/13/20

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C413	9/25/20	2,4+4,4-DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20C363	09/20/20	8082 PCB Surrogate Spike

From 0040362 on 4/10/2020 by ajj

On GPC #1 for 4/13/20

AJJ 4-13-20
Prepared By: Date

JC 4/17/2020
Reviewed By: Date

Printed: 4/10/2020 10:56:39AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040362 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
1	0040362-BLK1		QC	04/10/20 08:28	~~10~~ 11	5				100					
2	0040362-BS1		QC	04/10/20 08:28	10	5	A20C413		100	100					
3	A0D0196-01	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.39	5				100	PDI-047SC-A-04-05-191001	MS/MSD/DUP, MDL. Use Custom Spike. soil			
4	0040362-DUP1		QC	04/10/20 08:28	~~10~~ 10.27	5		A0D0196-01		100		soil			
5	0040362-MS1		QC	04/10/20 08:28	~~10~~ 10.37	5	A20C413	A0D0196-01	100	100		sand			
6	0040362-MSD1		QC	04/10/20 08:28	~~10~~ 1053	5	A20C413	A0D0196-01	100	100		sand			
7	A0D0196-02	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.02	5				100	PDI-047SC-A-05-06-191001	MDL. Use Custom Spike. sand			
8	A0D0196-03	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.67	5				100	PDI-047SC-A-06-07-191001	MDL. Use Custom Spike. sand			
9	A0D0196-04	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.91	5				100	PDI-047SC-A-07-08-191001	MDL. Use Custom Spike. soil			
10	A0D0205-01	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.78	5				100	PDI-049SC-A-08-09-191015	MDL. Use Custom Spike. soil mud			
11	A0D0205-02	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.28	5				100	PDI-049SC-A-09-10-191015	MDL. Use Custom Spike. soil			
12	A0D0205-03	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.99	5				100	PDI-049SC-A-10-11-191015	MDL. Use Custom Spike. soil			
13	A0D0205-04	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.39	5				100	PDI-049SC-A-11-12-191015	MDL. Use Custom Spike. mud			
14	A0D0207-01	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.68	5				100	PDI-057SC-A-09-10-191023	MDL. Use Custom Spike. soil			
15	A0D0207-02	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.88	5				100	PDI-057SC-A-10-11-191023	MDL. Use Custom Spike. mud			
16	A0D0207-03	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.17	5				100	PDI-057SC-A-11-12-191023	MDL. Use Custom Spike. Sand			
17	A0D0207-04	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.28	5				100	PDI-057SC-A-12-13-191023	MDL. Use Custom Spike. mud			
18	A0D0207-05	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.45	5				100	PDI-062SC-A-11-12-191023	MDL. Use Custom Spike. sand			
19	A0D0207-06	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.21	5				100	PDI-062SC-A-12-13-191023	MDL. Use Custom Spike. sand			
20	A0D0210-01	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.45	5				100	PDI-076SC-A-06-07-191013	MDL. Use Custom Spike. mud			

JAG — Prepared By: — 4/10/2020 — Date

CAS — Reviewed By: — 04/13/2020 — Date

CAH — 4/10/20

Printed: 4/10/2020 8:29:26AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040362 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
21	A0D0210-02	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.12	5				100	PDI-076SC-A-07 -08-191013..	MDL. Use Custom Spike. mud			
22	A0D0212-02	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.16	5				100	PDI-077SC-A-04 -05-191014	MDL. Use Custom Spike. mud			
23	A0D0212-03	A	8081B 2,4+4,4-DDx Only (+Add)	04/10/20 08:28	~~10~~ 10.32	5				100	PDI-077SC-A-05 -06-191014	MDL. Use Custom Spike. mud			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19K010	10/29/25	Sodium Sulfate Lot # 188777
A20D012	09/28/21	DCM CHEM PROD. DY141-US

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C413	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike

JAG

Surrogate(s)

Std ID	Exp. Date	Description
~~A19L272~~	~~06/20/20~~	8082 PCB Surrogate Spike
A20C363	9/20/20	

JAG 4/10/20

Method 3546 digestion time and temperture achieved.
Initial: ✓ CAH

Witness: CAH 4/10/20

Prepared By: Date

Reviewed By: Date

Printed: 4/10/2020 8:29:26AM

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D14043** Instrument: **DUALECD5**

Date: **04/14/20 11:14** Calibration: **A0C2504**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D14043-BKD1	Sediment	QC	QC				A20C091
2	0D14043-CCV1	Sediment	QC	QC				A20C183
3	0D14043-CCV2	Sediment	QC	QC				A20C358
4	0D14043-CCB1	Sediment	QC	QC				A20C404
5	0040379-BLK1	Sediment	QC	QC		0040379		
6	0040379-BS1	Sediment	QC	QC		0040379		
7	A0D0196-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/22/20	0040379		
8	0040379-DUP1	Sediment	QC	QC		0040379		
9	0040379-MS1	Sediment	QC	QC		0040379		
10	0040379-MSD1	Sediment	QC	QC		0040379		
11	0D14043-CCV3	Sediment	QC	QC				A20C184
12	0D14043-CCV4	Sediment	QC	QC				A20C359
13	0D14043-CCB2	Sediment	QC	QC				A20C404
14	A0D0196-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/22/20	0040379		
15	A0D0196-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/22/20	0040379		
16	A0D0196-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/22/20	0040379		
17	A0D0205-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/22/20	0040379		
18	A0D0205-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/22/20	0040379		
19	A0D0205-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/22/20	0040379		
20	A0D0205-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/22/20	0040379		
21	0D14043-CCV5	Sediment	QC	QC				A20C183
22	0D14043-CCV6	Sediment	QC	QC				A20C358
23	0D14043-CCB3	Sediment	QC	QC				A20C404
24	0D14043-IBL1	Sediment	QC	QC				
25	0D14043-IBL2	Sediment	QC	QC				

Comments:

Data Entered By: MJB 4/15/20

Data Reviewed By: MJ 4/17/20

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0D14043 BKD1
Data File: ECD5-04142003.D

First Column Area Counts		Percent Breakdown	
DDE	1374051		
DDD	13470032		
DDT	125830014	**10.55**	**PASS**
Endrin	78461744	**13.39**	**PASS**
Endrin Aldehyde	3374441		
Endrin Ketone	8757833		

Second Column Area Counts		Percent Breakdown	
DDE	1462268		
DDD	14505441		
DDT	189544504	**7.77**	**PASS**
Endrin	111826856	**10.44**	**PASS**
Endrin Aldehyde	3786142		
Endrin Ketone	9252208		

Breakdown must be less than 15% to accept sample data.

MJB 4/14/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:05
Operator : MJB
Sample : 0D14043-BKD1
Misc : A20C091
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 12:19:10 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT1.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	7.525	1374051	NoCal	ng/mL
2)	Endrin	7.893	78461744	NoCal	ng/mL
3)	4,4'-DDD	7.945	13470032	NoCal	ng/mL
4)	4,4'-DDT	8.140	125830014	NoCal	ng/mL
5)	Endrin Aldehyde	8.340	3374441	NoCal	ng/mL
6)	Endrin Ketone	8.834	8757833	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.291	1462268	NoCal	ng/mL
9)	Endrin [2C]	8.661	111826856	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.707	14505441	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	9.044	3786142	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.933	189544504	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.634	9252208	NoCal	ng/mL

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

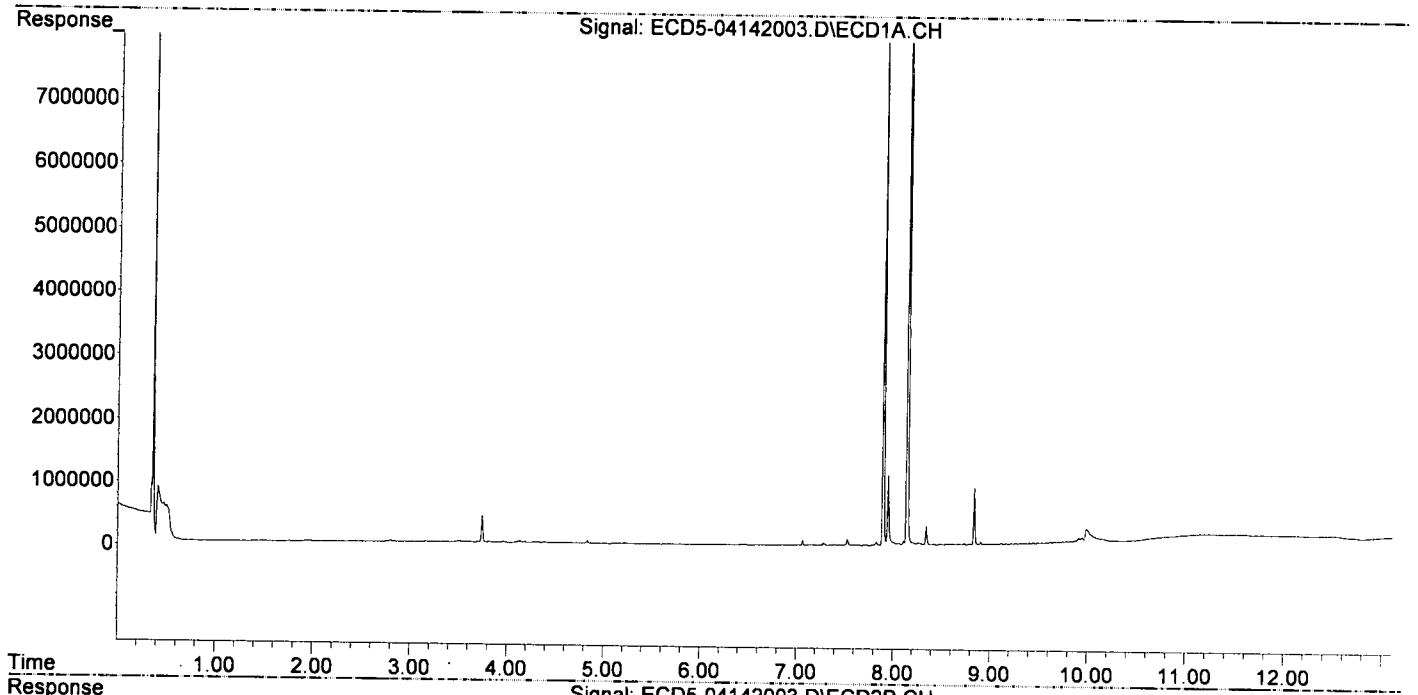
MJB 4/14/20

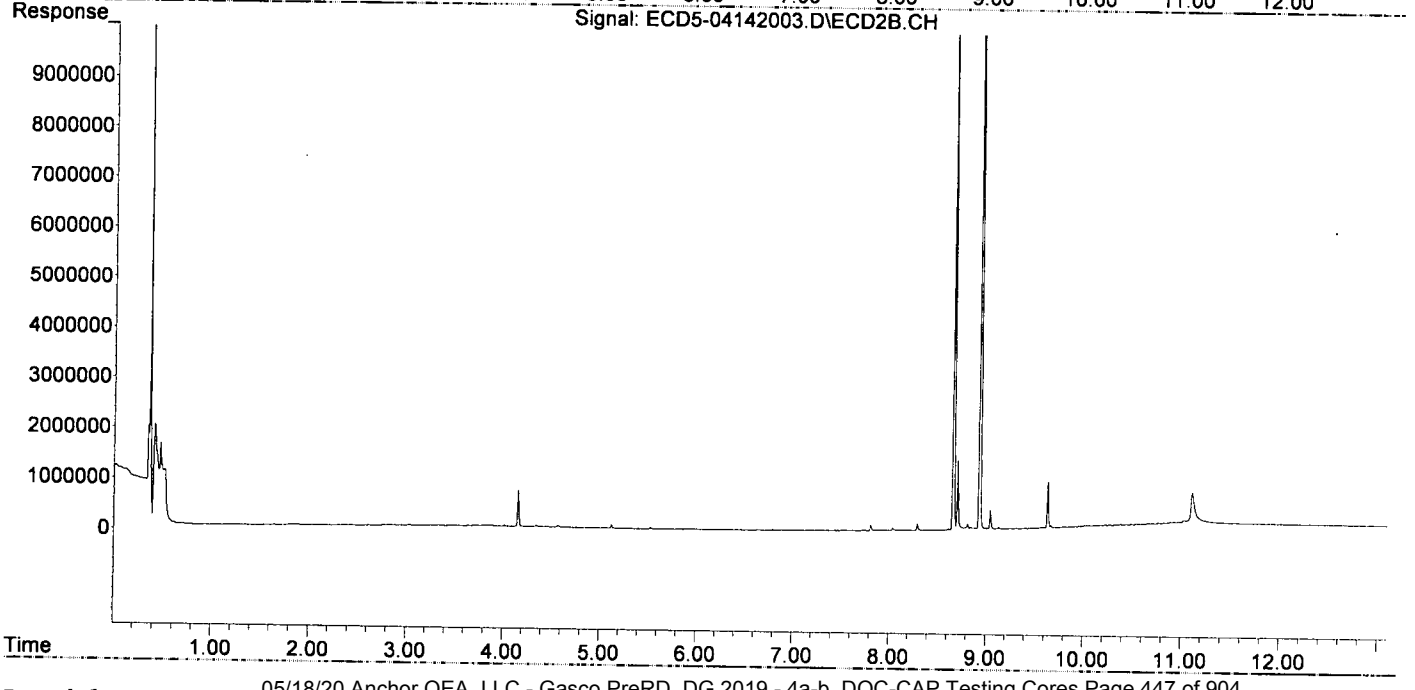
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:05
Operator : MJB
Sample : 0D14043-BKD1
Misc : A20C091
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 12:19:10 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200324RT1.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 (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:22
Operator : MJB
Sample : 0D14043-CCV1
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/20

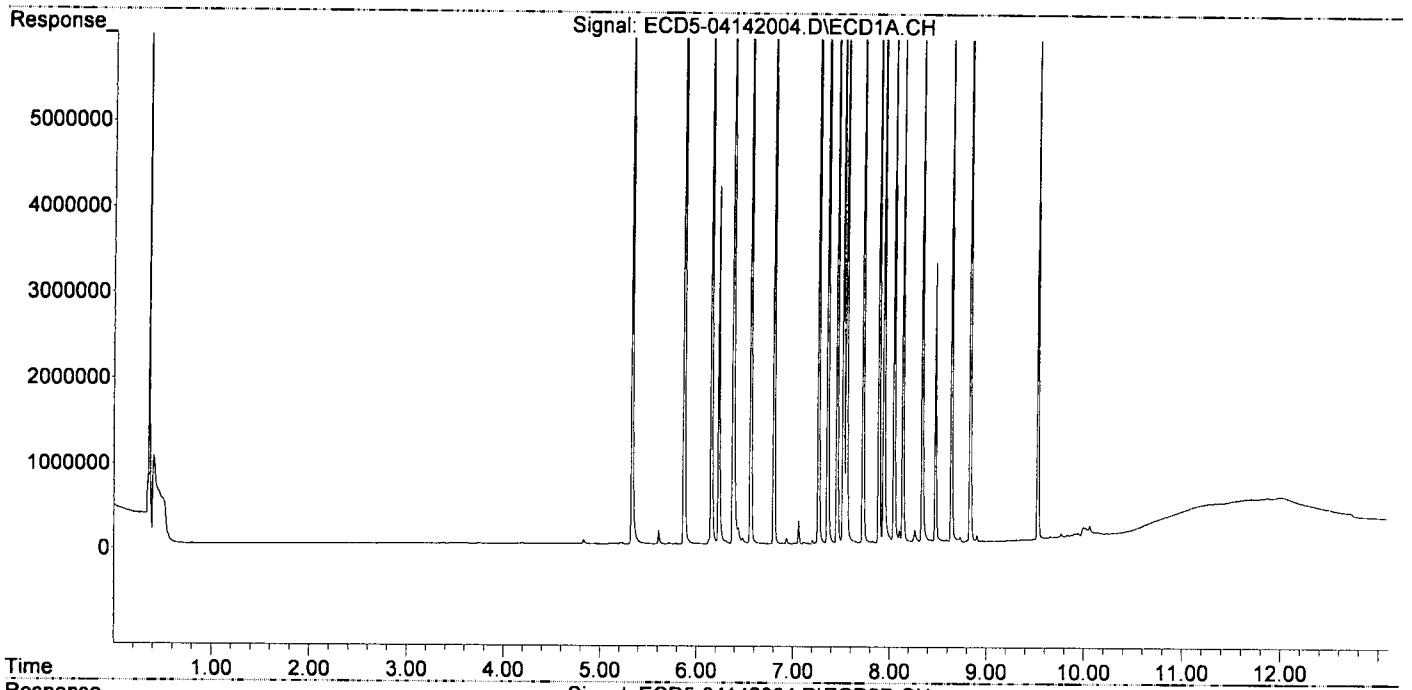
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.334	5.930	9022692	14175221	46.703	49.590	
22)	S	DCBP (S)	9.530	10.483	6898455	8753618	46.257	51.544	
		Target Compounds							
2)		a-BHC	5.873	6.538	13000995	21573169	49.399	53.240	
3)		g-BHC	6.156	6.856	11245999	18953121	49.164	53.575	
4)		b-BHC	6.232	6.921	4179213	7322230	43.684	48.804	
5)		Heptachlor	6.564	7.230	11038397	17974544	49.548	53.632	
6)		d-BHC	6.381	7.175	8909558	17449302	45.661	53.435	
7)		Aldrin	6.804	7.495	11019033	17225234	49.630	52.858	
8)		Heptachlo...	7.266	7.934	9998003	14990816	48.783	50.364	
9)		trans-Chl...	7.361	8.074	10400033	15570760	49.889	51.397	
10)		cis-Chlor...	7.458	8.182	10017396	14528851	48.917	50.070	
11)		Endosulfa...	7.556	8.231	9260752	13799610	47.899	50.787	
12)		4,4'-DDE	7.521	8.289	9586383	15551306	48.634	54.310	
13)		Dieldrin	7.727	8.432	10577741	16121737	49.787	54.188	
14)		Endrin	7.892	8.660	8411081	12237165	49.208	53.442	
15)		4,4'-DDD	7.943	8.705	8323984	13076934	50.933	54.348	
16)		Endosulfa...	8.048	8.807	7866887	11928541	46.953	49.723	
17)		4,4'-DDT	8.139	8.931	6235208	9988267	47.241	53.303	
18)		Endrin Al...	8.339	9.044	6950267	10279863	47.483	49.422	
19)		Endosulfa...	8.641	9.234	7591286	11605857	46.166	50.971	
20)		Methoxychlor	8.475	9.411	3265333	5198194	48.095	55.345	
21)		Endrin Ke...	8.834	9.634	9160625	13780288	47.969	55.272	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.715	6.416	19037	5087	BelowCal	BelowCal	
25)		Oxychlordane	7.202	7.896f	46478	8394	0.018	BelowCal	#
26)		2,4'-DDE	7.266	8.074	9998003	15570760	80.714	79.331	
27)		trans-Non...	7.458	8.134	10017396	43827	52.787	BelowCal	#
28)		2,4'-DDD	7.641	8.432	30426	16121737	0.006	92.266	#
29)		2,4'-DDT	7.824	8.660	25016	12237165	0.050	75.673	#
30)		cis-Nonac...	7.943f	8.705	8323984	13076934	40.602	43.272	
31)		Mirex	8.590	9.634	29134	13780288	5765.134	76.988	#
32)		Chlordane...	7.361	8.074	10400033	15570760	445.548	395.155	
33)		Chlordane...	7.458	8.182	10017396	14528851	377.270	443.646	
34)		Chlordane...	8.048f	8.889f	7866887	38746	1082.154	3.786	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.458	8.432	10017396	16121737	9639.609	5732.404	#
37)		Toxaphene...	7.727f	8.807	10577741	11928541	BelowCal	3337.471	
38)		Toxaphene...	8.048f	8.807f	7866887	11928541	1929.790	2136.383	
39)		Toxaphene...	8.339f	8.889	6950267	38746	1769.357	0.413	#
40)		Toxaphene...	8.558	9.044f	23471	10279863	7.651	2080.239	#
41)		Toxaphene...	8.590f	0.000	29134	0	7.273	N.D.	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

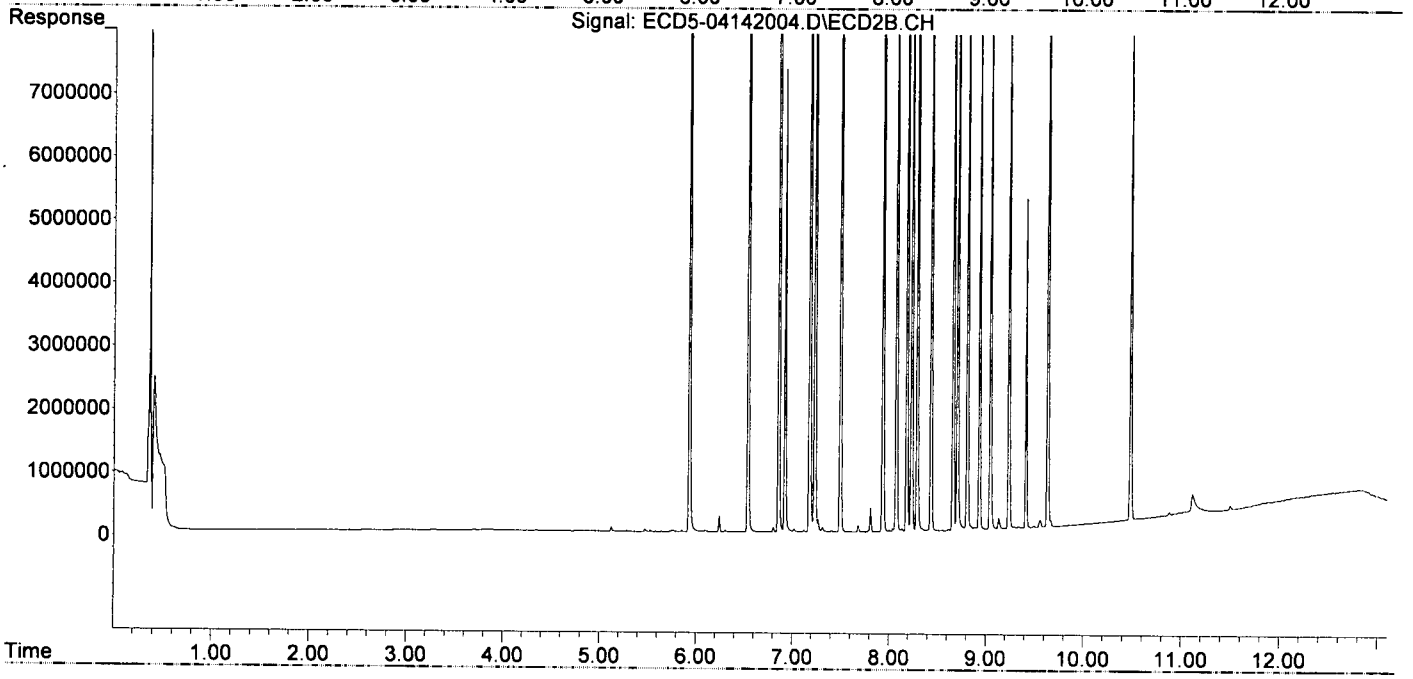
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:22
Operator : MJB
Sample : 0D14043-CCV1
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:39
Operator : MJB
Sample : 0D14043-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 4/14/20

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

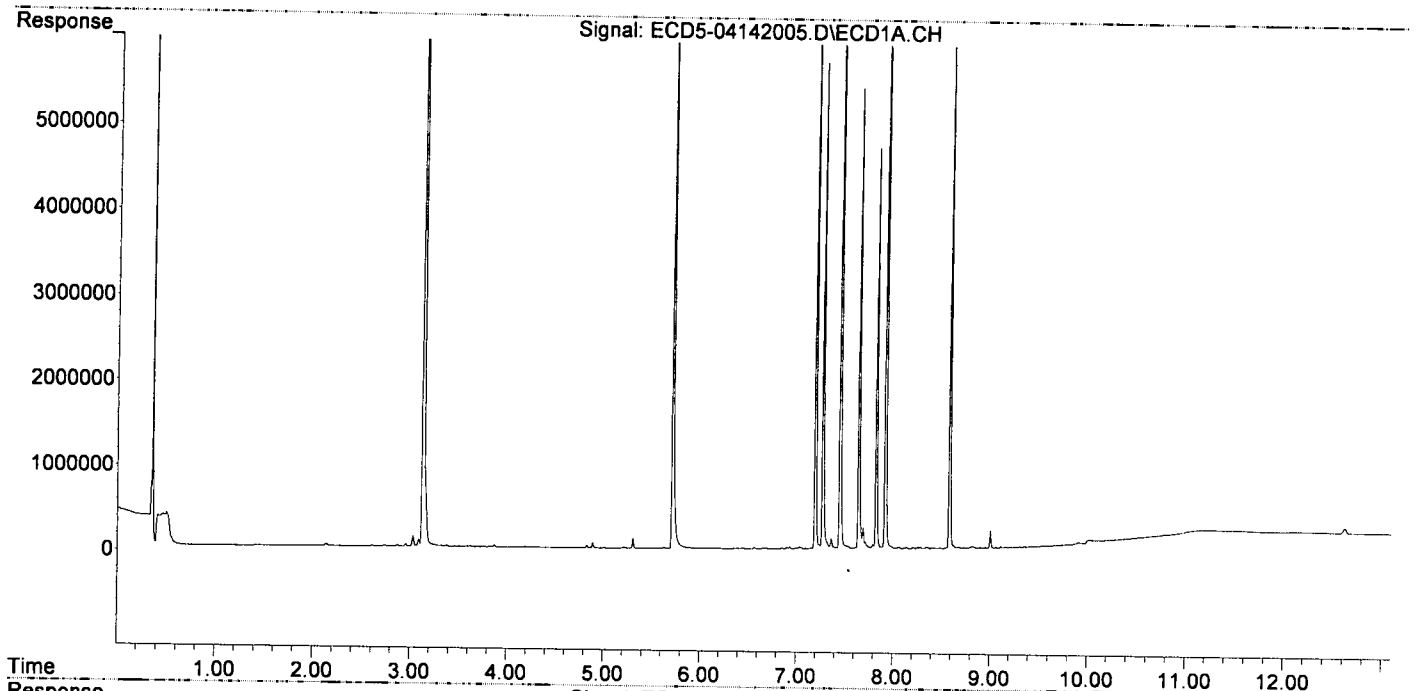
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.307f	5.937	120283	18316	0.623	0.064	#
22)	S DCBP (S)	9.534	10.495	7457	9621	BelowCal	0.057	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.175	6.891f	7108	19815	0.031	0.056	#
4)	b-BHC	0.000	6.891f	0	19815	N.D.	0.132	#
5)	Heptachlor	6.565	7.231	22848	42965	0.103	0.128	#
6)	d-BHC	6.387	7.177	5630	21582	0.029	0.066	#
7)	Aldrin	0.000	7.525f	0	46586	N.D.	0.143	#
8)	Heptachlo...	7.272	0.000	5687674	0	27.752	N.D.	#
9)	trans-Chl...	7.362	8.069	121488	9857876	0.583	32.540	#
10)	cis-Chlor...	7.451	8.182	9201418	601683	44.932	2.074	#
11)	Endosulfa...	7.583f	8.245	11690	43510	0.060	0.160	#
12)	4,4'-DDE	0.000	8.303	0	23684	N.D.	0.083	#
13)	Dieldrin	7.691f	8.442	241791	8571631	1.138	28.811	#
14)	Endrin	7.921f	8.666	10130291	7338747	59.266	32.049	#
15)	4,4'-DDD	7.921f	8.704	10130291	15209889	61.985	63.213	
16)	Endosulfa...	8.059	8.811	16179	20953	0.097	0.087	
17)	4,4'-DDT	8.140	8.917	14578	13155	0.102	0.136	#
18)	Endrin Al...	8.351	9.046	17807	13746	0.122	0.066	#
19)	Endosulfa...	0.000	9.234	0	18177	N.D.	0.080	#
20)	Methoxychlor	8.488	9.415	10047	5007	BelowCal	BelowCal	
21)	Endrin Ke...	8.810f	9.626	20750	8596230	0.109	34.479	#
23)	Hexachlor...	3.132	3.620	9365953	18255364	49.915	49.690	
24)	Hexachlor...	5.716	6.399	8098741	13964871	44.332	48.459	
25)	Oxychlordane	7.195	7.864	8250415	12574806	48.561	49.205	
26)	2,4'-DDE	7.272	8.069	5687674	9857876	46.350	51.536	
27)	trans-Non...	7.451	8.138	9201418	14274309	48.495	49.903	
28)	2,4'-DDD	7.645	8.442	5384455	8571631	49.950	50.706	
29)	2,4'-DDT	7.826	8.666	4674172	7338747	44.841	47.785	
30)	cis-Nonac...	7.921	8.704	10130291	15209889	49.358	50.024	
31)	Mirex	8.585	9.626	6362517	8596230	48.615	48.803	
32)	Chlordane...	7.362	8.069	121488	9857876	5.205	250.173	#
33)	Chlordane...	7.451	8.182	9201418	601683	346.539	18.373	#
34)	Chlordane...	0.000	8.849	0	28113	N.D.	2.747	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.451f	8.442	9201418	8571631	8854.405	3047.813	#
37)	Toxaphene...	0.000	8.811	0	20953	N.D.	5.862	#
38)	Toxaphene...	8.059	8.811	16179	20953	3.969	3.753	
39)	Toxaphene...	8.284f	8.917f	13330	13155	3.394	BelowCal	#
40)	Toxaphene...	0.000	9.076	0	11162	N.D.	2.259	#
41)	Toxaphene...	8.585f	9.442	6362517	9351	1588.367	1.730	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

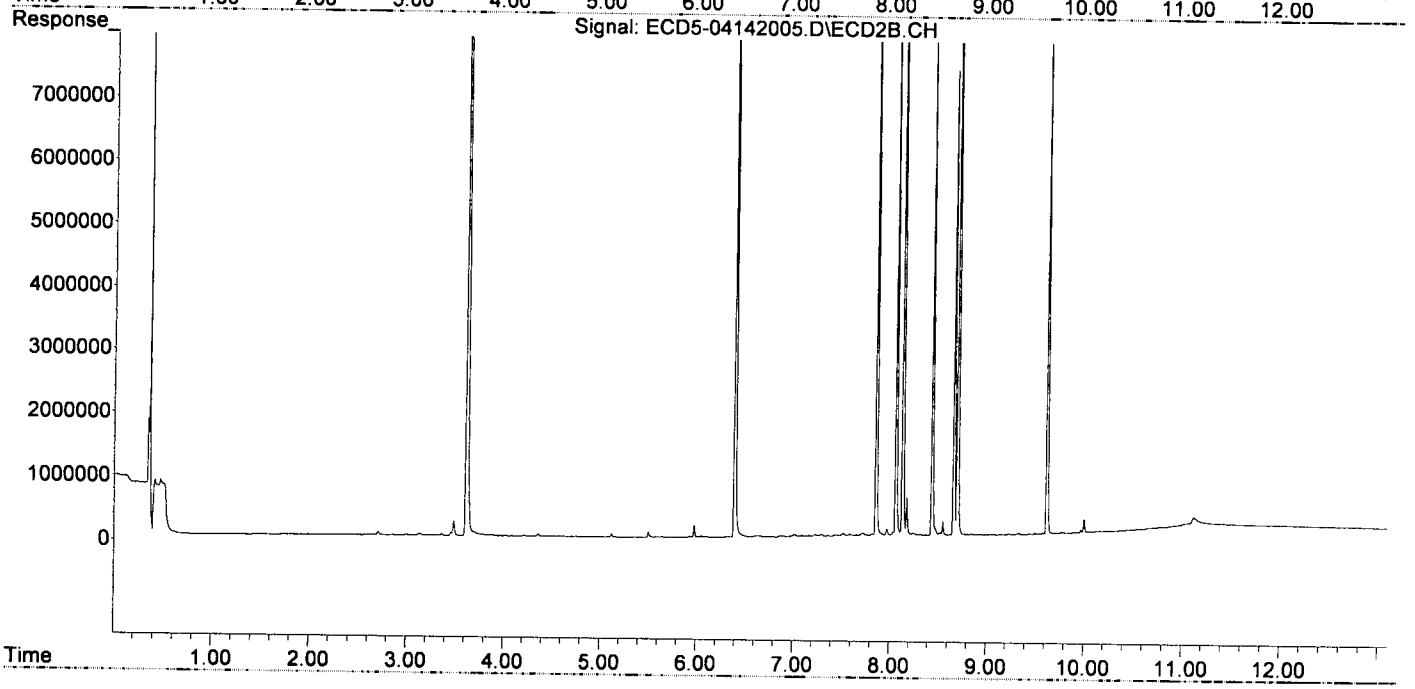
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:39
Operator : MJB
Sample : 0D14043-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:56
Operator : MJB
Sample : 0D14043-CCB1
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/20

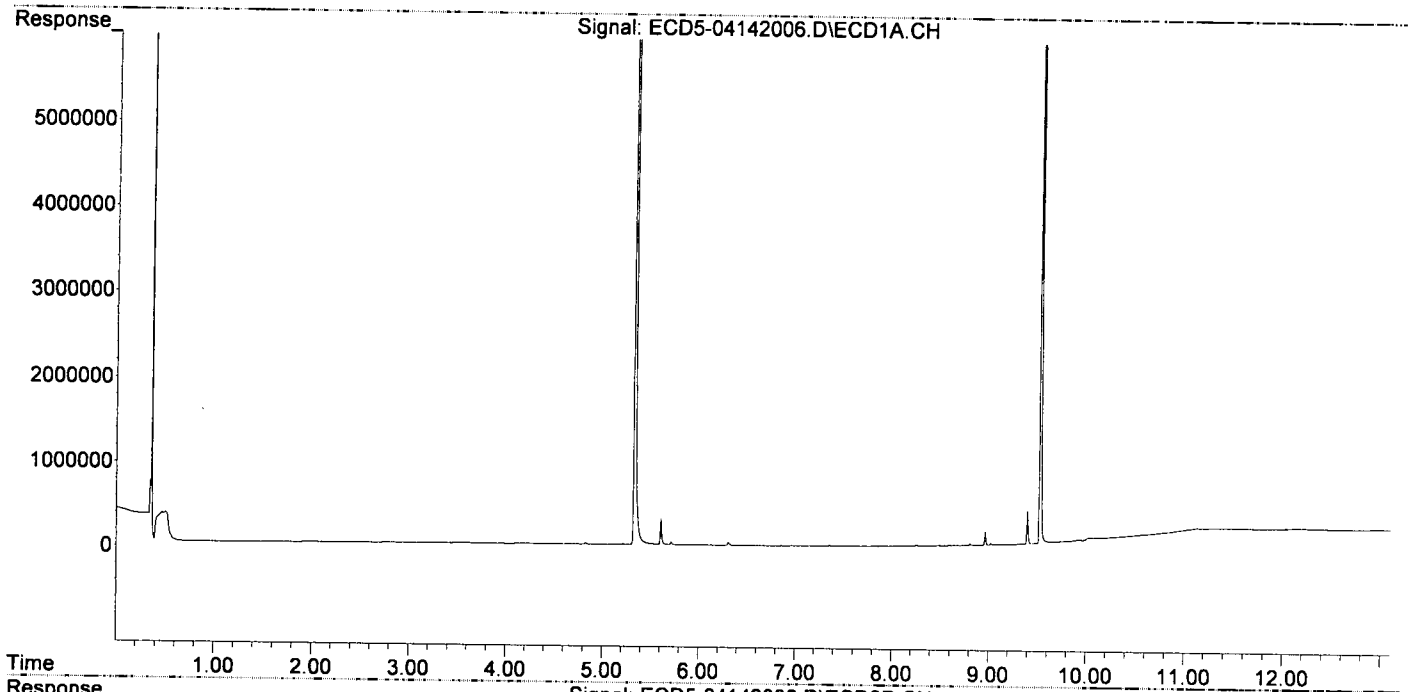
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.333	5.929	17305611	28693902	89.576	100.381	
22)	S DCBP (S)	9.529	10.482	12794209	15935244	85.884	93.831	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.511	0	11370	N.D.	0.035	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.350	8.087	6101	5682	0.029	0.019	#
10)	cis-Chlor...	7.463	0.000	1949	0	0.010	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	7.708	8.434	3448	2317	0.016	0.008	#
14)	Endrin	7.896	8.666	1724	1181	0.010	0.005	#
15)	4,4'-DDD	0.000	8.666f	0	1181	N.D.	0.005	#
16)	Endosulfa...	8.057	0.000	2929	0	0.017	N.D.	#
17)	4,4'-DDT	8.142	0.000	1501	0	BelowCal	N.D.	
18)	Endrin Al...	8.342	9.041	4024	5279	0.027	0.025	
19)	Endosulfa...	8.641	9.234	4269	7954	0.026	0.035	#
20)	Methoxychlor	8.488	9.410	4073	3635	BelowCal	BelowCal	
21)	Endrin Ke...	8.841	9.626	4953	9831	0.026	0.039	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.714	0.000	34711	0	BelowCal	N.D.	
25)	Oxychlordane	7.155f	0.000	3499	0	BelowCal	N.D.	
26)	2,4'-DDE	0.000	8.087	0	5682	N.D.	BelowCal	
27)	trans-Non...	7.463	0.000	1949	0	BelowCal	N.D.	
28)	2,4'-DDD	0.000	8.434	0	2317	N.D.	BelowCal	
29)	2,4'-DDT	7.808	8.666	2214	1181	BelowCal	BelowCal	
30)	cis-Nonac...	7.896f	8.666f	1724	1181	BelowCal	BelowCal	
31)	Mirex	8.590	9.626	4174	9831	5765.325	BelowCal	#
32)	Chlordane...	7.350f	8.087	6101	5682	0.261	0.144	#
33)	Chlordane...	7.463	0.000	1949	0	0.073	N.D.	#
34)	Chlordane...	7.985f	8.847	2171	24112	0.299	2.356	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.463	8.434	1949	2317	1.876	0.824	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.057	8.847	2929	24112	0.719	4.318	#
39)	Toxaphene...	8.320	0.000	3217	0	0.819	N.D.	#
40)	Toxaphene...	8.552	9.041f	2111	5279	0.688	1.068	#
41)	Toxaphene...	8.590f	9.485f	4174	4446	1.042	0.823	
42)	Toxaphene...	0.000	3.707f	0	18122	N.D.	NoCal	

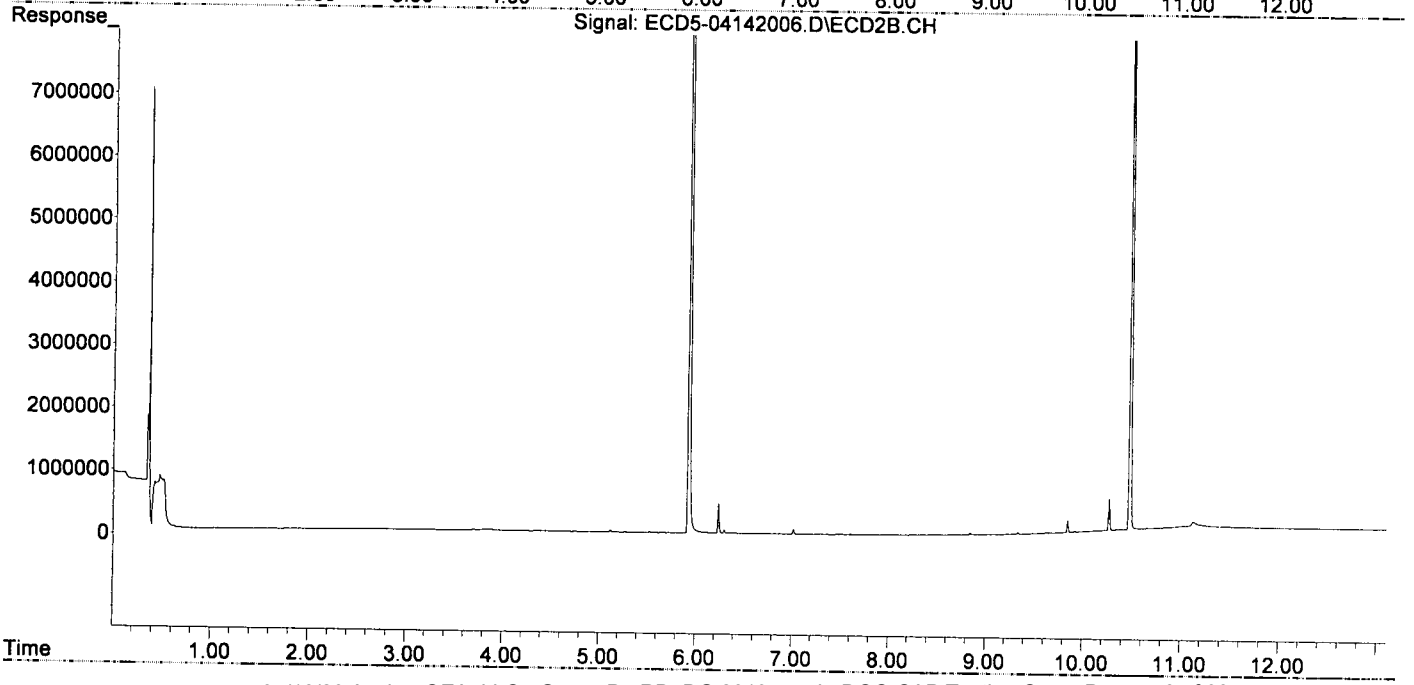
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 12:56
Operator : MJB
Sample : 0D14043-CCB1
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 14:26:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 13:13
Operator : MJB
Sample : 0040379-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: Apr 14 14:26:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 4/14/20

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

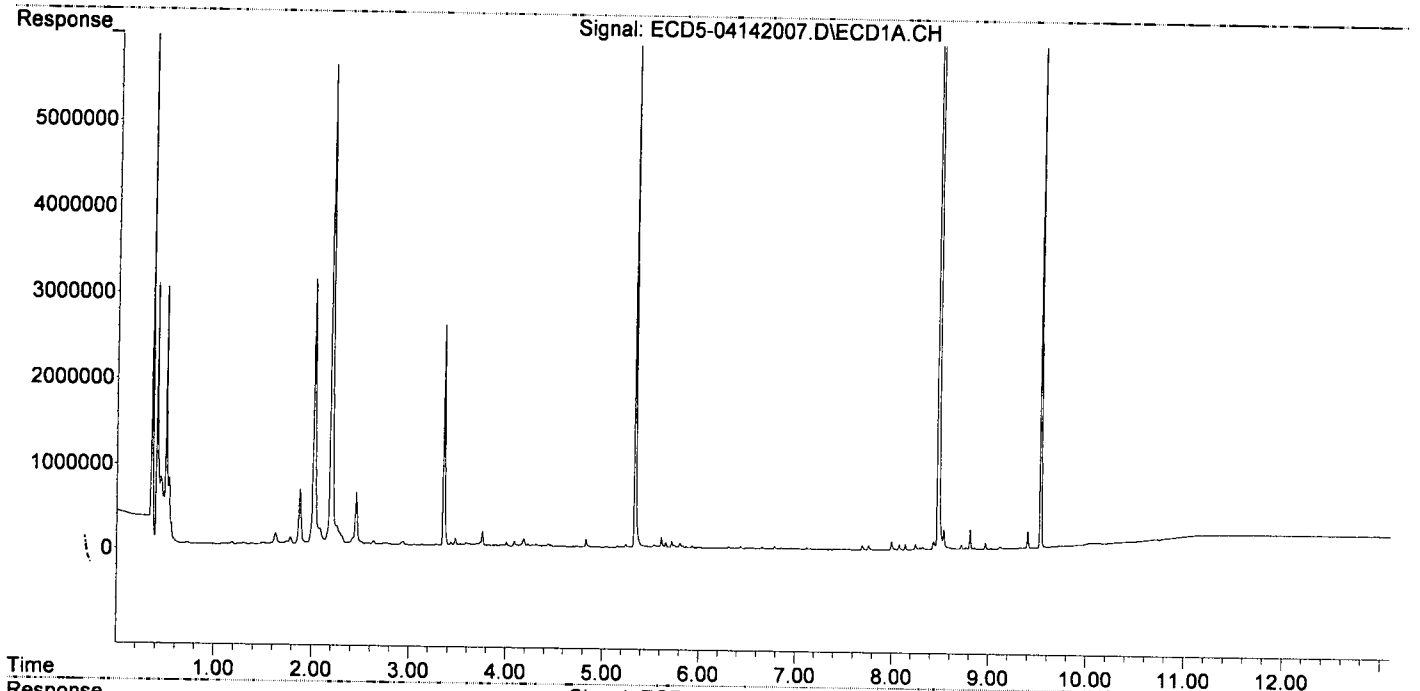
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.333	5.930	5806906	9719415	30.057	34.002
22)	S DCBP (S)	9.528	10.482	6179396	7199729	41.421	42.394
	Target Compounds						
2)	a-BHC	5.867	0.000	17981	0	0.068	N.D. #
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	6.221	0.000	6047	0	0.063	N.D. #
5)	Heptachlor	6.551	7.229	4545	16475	0.020	0.049 #
6)	d-BHC	6.352f	7.173	2179	7831	0.011	0.024 #
7)	Aldrin	6.783f	0.000	30572	0	0.138	N.D. #
8)	Heptachlo...	7.267	7.916	6076	25548	0.030	0.086 #
9)	trans-Chl...	7.398f	8.084	3469	17595	0.017	0.058 #
10)	cis-Chlor...	7.451	8.209f	4111	19987	0.020	0.069 #
11)	Endosulfa...	7.555	8.209f	8494	19987	0.044	0.074 #
12)	4,4'-DDE	7.503	8.301	10525	16394	0.053	0.057
13)	Dieldrin	7.756f	8.428	50756	8323	0.239	0.028 #
14)	Endrin	7.925f	8.622f	1829	77170	0.011	0.337 #
15)	4,4'-DDD	7.925	0.000	1829	0	0.011	N.D. #
16)	Endosulfa...	8.072f	8.798	65478	5763	0.391	0.024 #
17)	4,4'-DDT	8.135	8.927	66921	6722	0.531	0.096 #
18)	Endrin Al...	8.315f	9.047	30492	6020	0.208	0.029 #
19)	Endosulfa...	0.000	9.254f	0	167944	N.D.	0.738 #
20)	Methoxychlor	8.475	9.412	45188365	77391465	460.478	452.647
21)	Endrin Ke...	8.852	9.622	21366	20940	0.112	0.084
23)	Hexachlor...	3.131	3.595f	14990	4536395	11064.628	12.376 #
24)	Hexachlor...	5.715	6.398	81833	131186	0.176	0.231 #
25)	Oxychlordane	0.000	7.854	0	18592	N.D.	BelowCal
26)	2,4'-DDE	7.267	8.061	6076	16995	BelowCal	BelowCal
27)	trans-Non...	7.451	8.149	4111	14365	BelowCal	BelowCal
28)	2,4'-DDD	0.000	8.428	0	8323	N.D.	BelowCal
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30)	cis-Nonac...	7.925	0.000	1829	0	BelowCal	N.D.
31)	Mirex	0.000	9.622	0	20940	N.D.	BelowCal
32)	Chlordane...	7.398f	8.084	3469	17595	0.149	0.447 #
33)	Chlordane...	7.451	8.209	4111	19987	0.155	0.610 #
34)	Chlordane...	7.993f	8.845	100578	31260	13.835	3.055 #
35)	Chlordane...	3.705f	3.700f	33558	96153	NoCal	NoCal
36)	Toxaphene...	7.451f	8.428	4111	8323	3.956	2.959 #
37)	Toxaphene...	7.756	8.798	50756	5763	24.591	1.612 #
38)	Toxaphene...	8.072	8.845	65478	31260	16.062	5.599 #
39)	Toxaphene...	8.315	8.891	30492	136144	7.762	12.372 #
40)	Toxaphene...	8.532	9.077	241300	92008	78.664	18.619 #
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.705f	3.700f	33558	96153	NoCal	NoCal

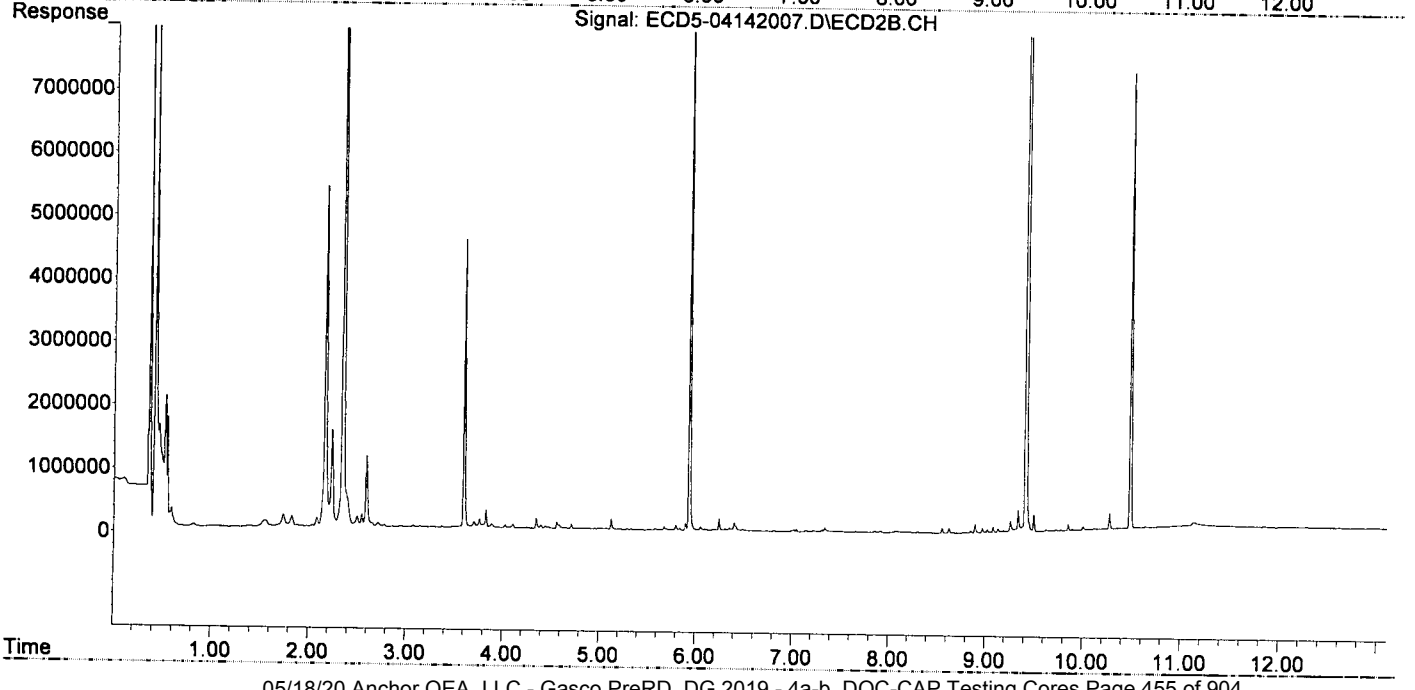
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 13:13
Operator : MJB
Sample : 0040379-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: Apr 14 14:26:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 13:30
Operator : MJB
Sample : 0040379-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: Apr 14 14:26:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/12.

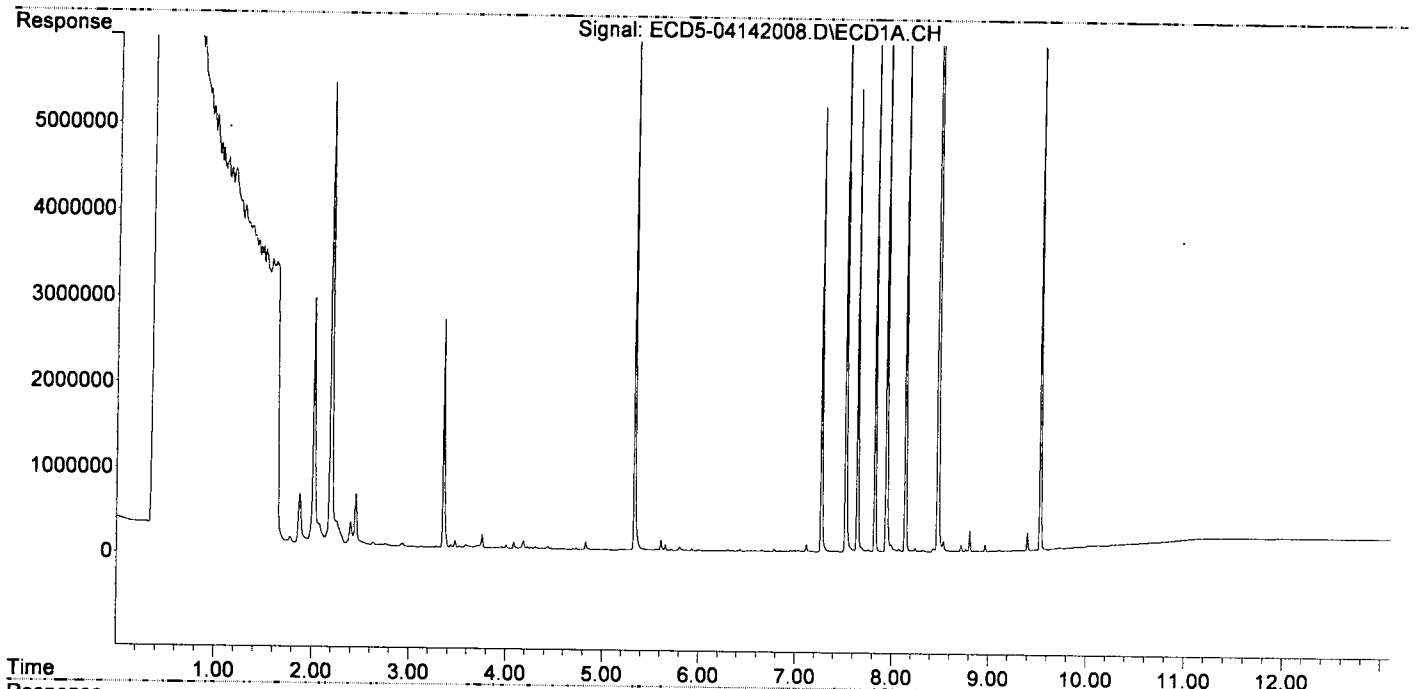
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.331	5.928	6099669	9937052	31.573	34.763	
22)	S DCBP (S)	9.527	10.480	6373571	7243616	42.727	42.652	
	Target Compounds							
2)	a-BHC	5.865	0.000	14873	0	0.057	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	6.219	0.000	6453	0	0.067	N.D.	#
5)	Heptachlor	6.548	7.212	7141	11616	0.032	0.035	
6)	d-BHC	6.346f	7.212f	7848	11616	0.040	0.036	
7)	Aldrin	6.780f	7.511	32298	6596	0.145	0.020	#
8)	Heptachlo...	7.268	7.914	5158724	112912	25.171	0.379	#
9)	trans-Chl...	7.381	8.066	9499	8262900	0.046	27.275	#
10)	cis-Chlor...	7.422f	8.203f	8999	32279	0.044	0.111	#
11)	Endosulfa...	7.518f	8.203f	8556433	32279	44.256	0.119	#
12)	4,4'-DDE	7.518	8.287	8556433	13740064	43.409	47.985	
13)	Dieldrin	7.755f	8.439	25768	8159261	0.121	27.425	#
14)	Endrin	0.000	8.663	0	8941461	N.D.	39.049	#
15)	4,4'-DDD	7.940	8.703	7580211	11667691	46.382	48.491	
16)	Endosulfa...	8.070f	8.843f	37699	37055	0.225	0.154	#
17)	4,4'-DDT	8.137	8.930	7158523	11207494	53.677	58.917	
18)	Endrin Al...	8.318f	9.052	18625	10263	0.127	0.049	#
19)	Endosulfa...	8.641	9.253	7508	83989	0.046	0.369	#
20)	Methoxychlor	8.472	9.409	22212928	36432521	265.268	269.170	
21)	Endrin Ke...	8.849	9.619	9133	31771	0.048	0.127	#
23)	Hexachlor...	3.129	3.593f	5897	4585476	11064.677	12.511	#
24)	Hexachlor...	5.713	6.414	16482	51325	BelowCal	BelowCal	
25)	Oxychlordane	0.000	7.848	0	16509	N.D.	BelowCal	
26)	2,4'-DDE	7.268	8.066	5158724	8262900	42.080	43.512	
27)	trans-Non...	7.422f	8.145	8999	14311	BelowCal	BelowCal	
28)	2,4'-DDD	7.640	8.439	5344719	8159261	49.584	48.353	
29)	2,4'-DDT	7.822	8.663	6144286	8941461	58.224	57.206	
30)	cis-Nonac...	7.940	8.703	7580211	11667691	36.986	38.762	
31)	Mirex	0.000	9.619	0	31771	N.D.	BelowCal	
32)	Chlordane...	7.381	8.066f	9499	8262900	0.407	209.696	#
33)	Chlordane...	0.000	8.203	0	32279	N.D.	0.986	#
34)	Chlordane...	7.991f	8.843	87331	37055	12.013	3.621	#
35)	Chlordane...	3.702f	3.698f	30325	90396	NoCal	NoCal	
36)	Toxaphene...	0.000	8.439	0	8159261	N.D.	2901.187	#
37)	Toxaphene...	7.755	0.000	25768	0	11.275	N.D.	#
38)	Toxaphene...	8.070	8.843	37699	37055	9.248	6.637	#
39)	Toxaphene...	8.318	8.890	18625	69893	4.741	4.239	
40)	Toxaphene...	8.530	9.076	126770	43580	41.327	8.819	#
41)	Toxaphene...	8.641f	9.443	7508	140224	1.874	25.946	#
42)	Toxaphene...	3.702f	3.698f	30325	90396	NoCal	NoCal	

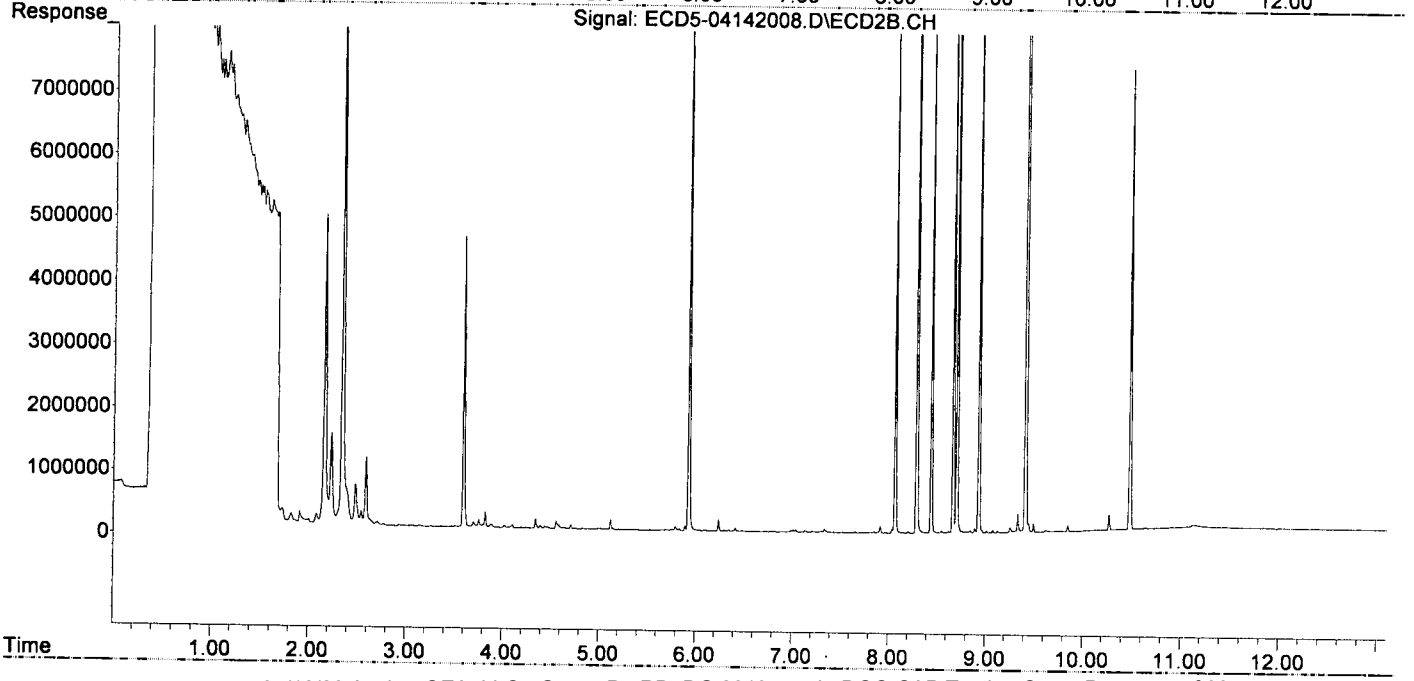
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 13:30
Operator : MJB
Sample : 0040379-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: Apr 14 14:26:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 14:39
Operator : MJB
Sample : 0040379-MSD1 MJB 4/14/20
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: Apr 14 15:38:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/20

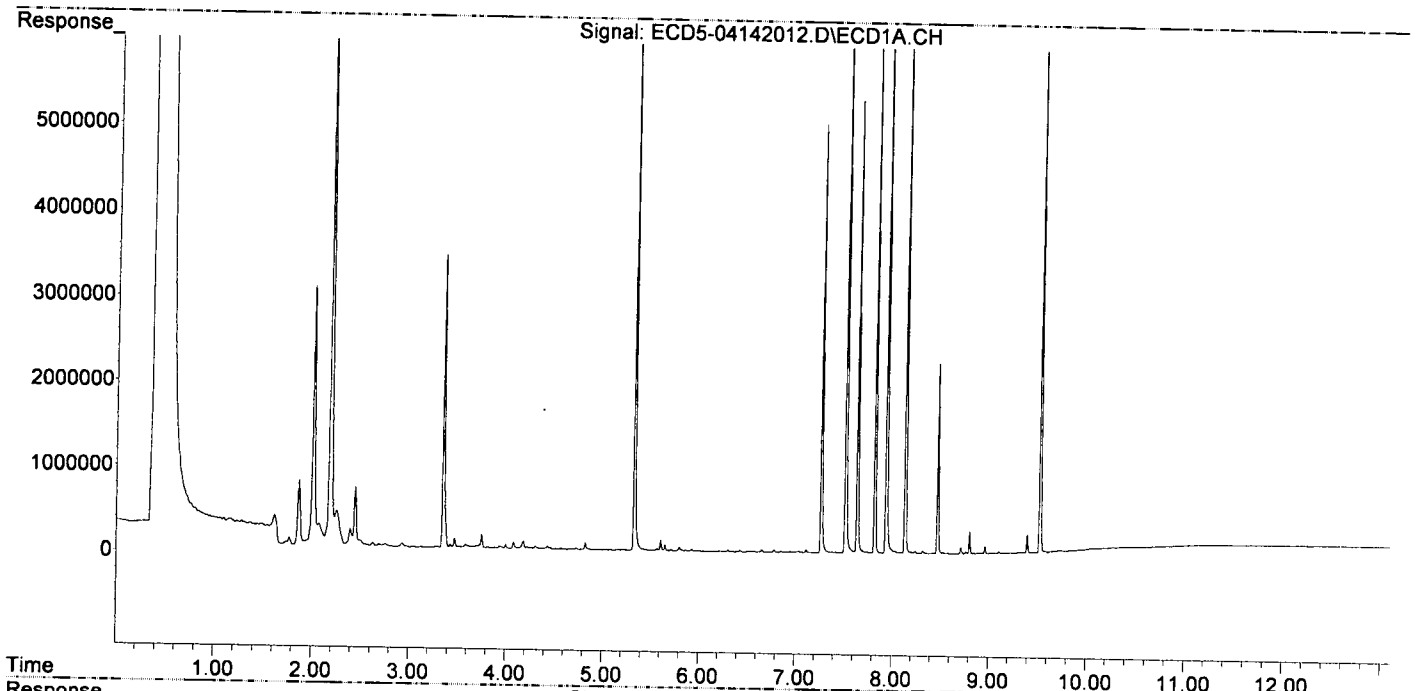
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.330	5.927	6426275	10650922	33.263	37.261	
22)	S DCBP (S)	9.527	10.480	6111524	7273522	40.964	42.829	
	Target Compounds							
2)	a-BHC	5.864	0.000	13847	0	0.053	N.D.	#
3)	g-BHC	0.000	6.817f	0	37798	N.D.	0.107	#
4)	b-BHC	6.217	0.000	5542	0	0.058	N.D.	#
5)	Heptachlor	6.576	7.210	5927	10651	0.027	0.032	
6)	d-BHC	6.344f	7.210f	4431	10651	0.023	0.033	#
7)	Aldrin	6.780f	7.512	33202	6366	0.150	0.020	#
8)	Heptachlo...	7.268	7.914	4979034	54137	24.294	0.182	#
9)	trans-Chl...	7.381f	8.066	10396	7872435	0.050	25.986	#
10)	cis-Chlor...	7.422f	8.204f	9025	28367	0.044	0.098	#
11)	Endosulfa...	7.519f	8.204f	8094786	28367	41.868	0.104	#
12)	4,4'-DDE	7.519	8.287	8094786	13320933	41.067	46.521	
13)	Dieldrin	0.000	8.439	0	8100976	N.D.	27.229	#
14)	Endrin	0.000	8.663	0	8932693	N.D.	39.010	#
15)	4,4'-DDD	7.940	8.703	7514336	11673610	45.979	48.516	
16)	Endosulfa...	8.069f	8.843f	13417	45097	0.080	0.188	#
17)	4,4'-DDT	8.137	8.929	7212118	11179908	54.046	58.792	
18)	Endrin Al...	8.320	9.052	33957	12265	0.232	0.059	#
19)	Endosulfa...	0.000	9.254	0	22676	N.D.	0.100	#
20)	Methoxychlor	8.472	9.408	2224372	3231218	33.249	35.823	
21)	Endrin Ke...	8.849	9.619	7679	34895	0.040	0.140	#
23)	Hexachlor...	3.127	3.592f	6593	6204976	11064.673	16.976	#
24)	Hexachlor...	5.712	6.416	16330	74252	BelowCal	0.025	
25)	Oxychlordane	0.000	7.849	0	19258	N.D.	BelowCal	
26)	2,4'-DDE	7.268	8.066	4979034	7872435	40.626	41.528	
27)	trans-Non...	7.422f	0.000	9025	0	BelowCal	N.D.	
28)	2,4'-DDD	7.640	8.439	5242080	8100976	48.638	48.020	
29)	2,4'-DDT	7.822	8.663	5928034	8932693	56.277	57.155	
30)	cis-Nonac...	7.940	8.703	7514336	11673610	36.666	38.781	
31)	Mirex	8.582	9.619	5288	34895	5765.317	BelowCal	#
32)	Chlordane...	7.381	8.066f	10396	7872435	0.445	199.787	#
33)	Chlordane...	0.000	8.204	0	28367	N.D.	0.866	#
34)	Chlordane...	0.000	8.843	0	45097	N.D.	4.407	#
35)	Chlordane...	3.701f	3.698f	32298	95513	NoCal	NoCal	
36)	Toxaphene...	0.000	8.439	0	8100976	N.D.	2880.463	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.069	8.843	13417	45097	3.291	8.077	#
39)	Toxaphene...	8.320	8.890	33957	17845	8.645	BelowCal	#
40)	Toxaphene...	8.530	9.052	16512	12265	5.383	2.482	#
41)	Toxaphene...	8.582f	9.444	5288	106750	1.320	19.752	#
42)	Toxaphene...	3.701f	3.698f	32298	95513	NoCal	NoCal	

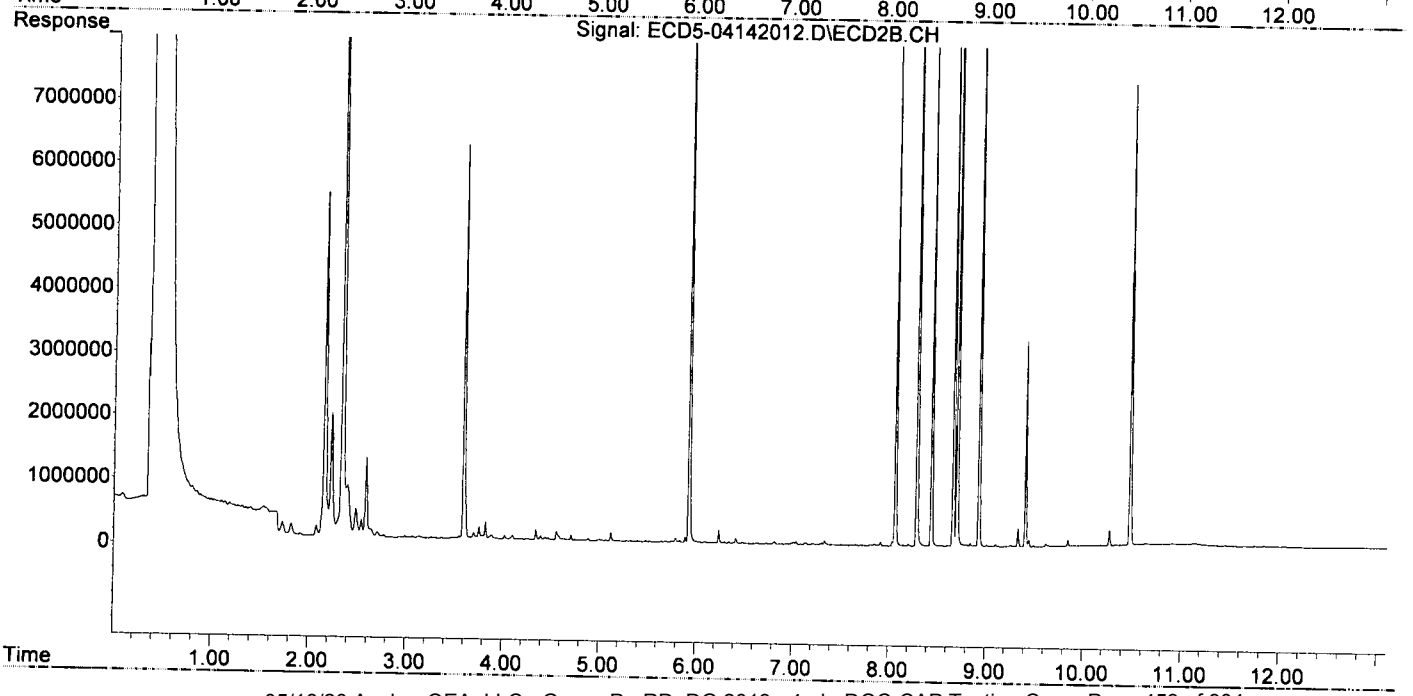
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 14:39
Operator : MJB MJB 4/14/12
Sample : 0040379-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: Apr 14 15:38:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 14:56
Operator : MJB
Sample : 0D14043-CCV3
Misc : A20C184, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:38:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/20

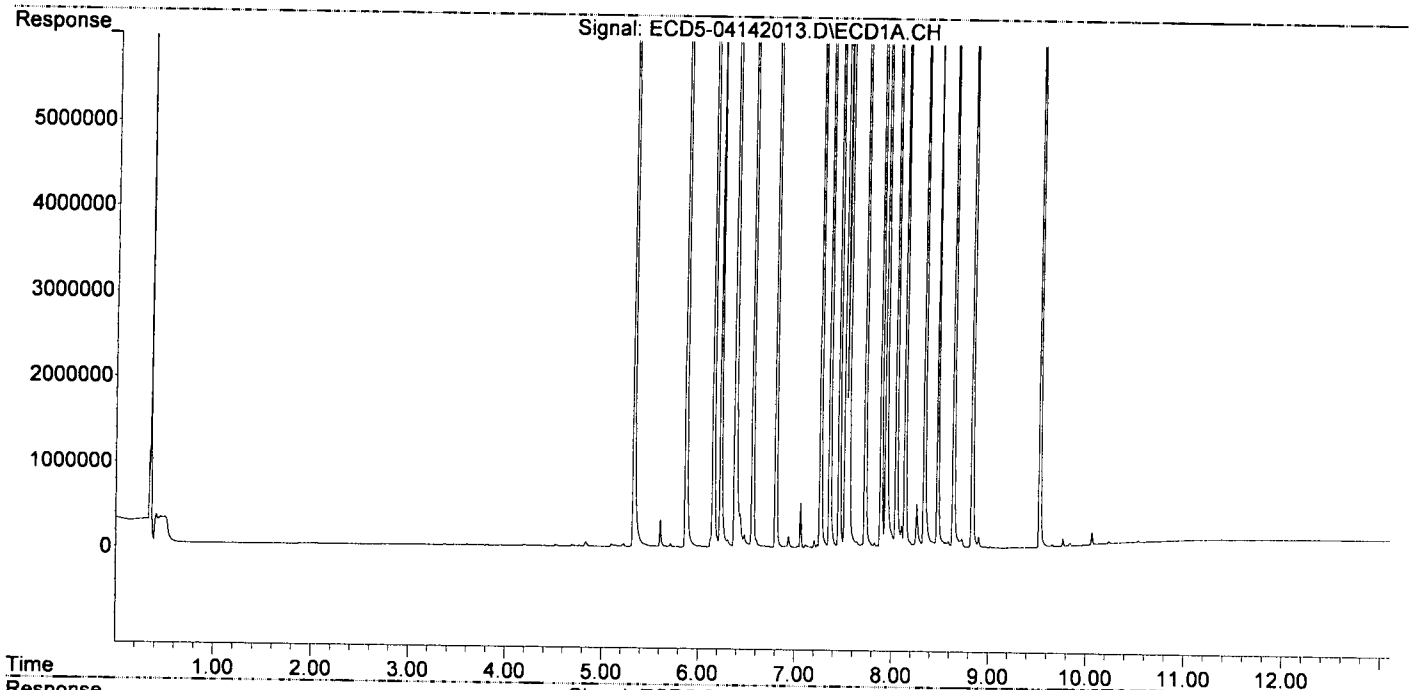
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.330	5.928	17471597	30119639	90.435	105.369	
22) S	DCBP (S)	9.528	10.480	15081269	18797160	101.241	110.683	
	Target Compounds							
2)	a-BHC	5.870	6.536	25621402	46601476	97.351	115.008	
3)	g-BHC	6.153	6.855	21814331	40213606	95.365	113.673	
4)	b-BHC	6.229	6.918	8393553	15973376	87.735	106.465	
5)	Heptachlor	6.561	7.228	22001360	38948601	98.757	116.214	
6)	d-BHC	6.378	7.174	18227078	39161483	93.413	119.924	#
7)	Aldrin	6.801	7.493	22262630	37792553	100.272	115.971	
8)	Heptachlo...	7.264	7.932	20150041	32262646	98.317	108.392	
9)	trans-Chl...	7.359	8.072	20617200	33543063	98.902	110.722	
10)	cis-Chlor...	7.456	8.180	19694967	31813425	96.174	109.636	
11)	Endosulfa...	7.554	8.230	18856975	30093711	97.533	110.754	
12)	4,4'-DDE	7.520	8.288	18903646	33320542	95.904	116.367	
13)	Dieldrin	7.725	8.430	21456551	34382040	100.990	115.565	
14)	Endrin	7.889	8.658	16245988	26474255	95.045	115.617	
15)	4,4'-DDD	7.941	8.703	16154202	28186994	98.844	117.146	
16)	Endosulfa...	8.047	8.805	15781482	26082694	94.192	108.723	
17)	4,4'-DDT	8.138	8.929	13542301	23394535	95.189	108.662	
18)	Endrin Al...	8.337	9.042	14395562	22081372	98.349	106.159	
19)	Endosulfa...	8.638	9.232	15411077	25224961	93.721	110.784	
20)	Methoxychlor	8.474	9.408	6590272	11459087	92.722	109.736	
21)	Endrin Ke...	8.832	9.632	19057994	29004409	99.796	116.334	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.712	6.414	39768	7148	BelowCal	BelowCal	
25)	Oxychlordane	7.200	7.858	91347	15125	0.284	BelowCal	#
26)	2,4'-DDE	7.264	8.072	20150041	33543063	158.808	158.905	
27)	trans-Non...	7.456	8.132	19694967	92566	103.309	0.101	#
28)	2,4'-DDD	7.640	8.430	76421	34382040	0.441	183.092	#
29)	2,4'-DDT	7.822	8.658	59560	26474255	0.398	145.207	#
30)	cis-Nonac...	7.941f	8.703	16154202	28186994	78.298	89.366	
31)	Mirex	8.587	9.632	74473	29004409	0.168	154.371	#
32)	Chlordane...	7.359	8.072	20617200	33543063	883.261	851.257	
33)	Chlordane...	7.456	8.180	19694967	31813425	741.741	971.440	#
34)	Chlordane...	8.047f	8.888f	15781482	112512	2170.870	10.995	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.456	8.430	19694967	34382040	18952.210	12225.217	#
37)	Toxaphene...	7.725f	8.805	21456551	26082694	BelowCal	7297.642	
38)	Toxaphene...	8.101f	8.805f	260048	26082694	63.791	4671.369	#
39)	Toxaphene...	8.337f	8.888	14395562	112512	3664.734	9.472	#
40)	Toxaphene...	8.556	9.042f	65656	22081372	21.404	4468.398	#
41)	Toxaphene...	8.587f	0.000	74473	0	18.592	N.D.	#
42)	Toxaphene...	0.000	3.705f	0	12992	N.D.	NoCal	

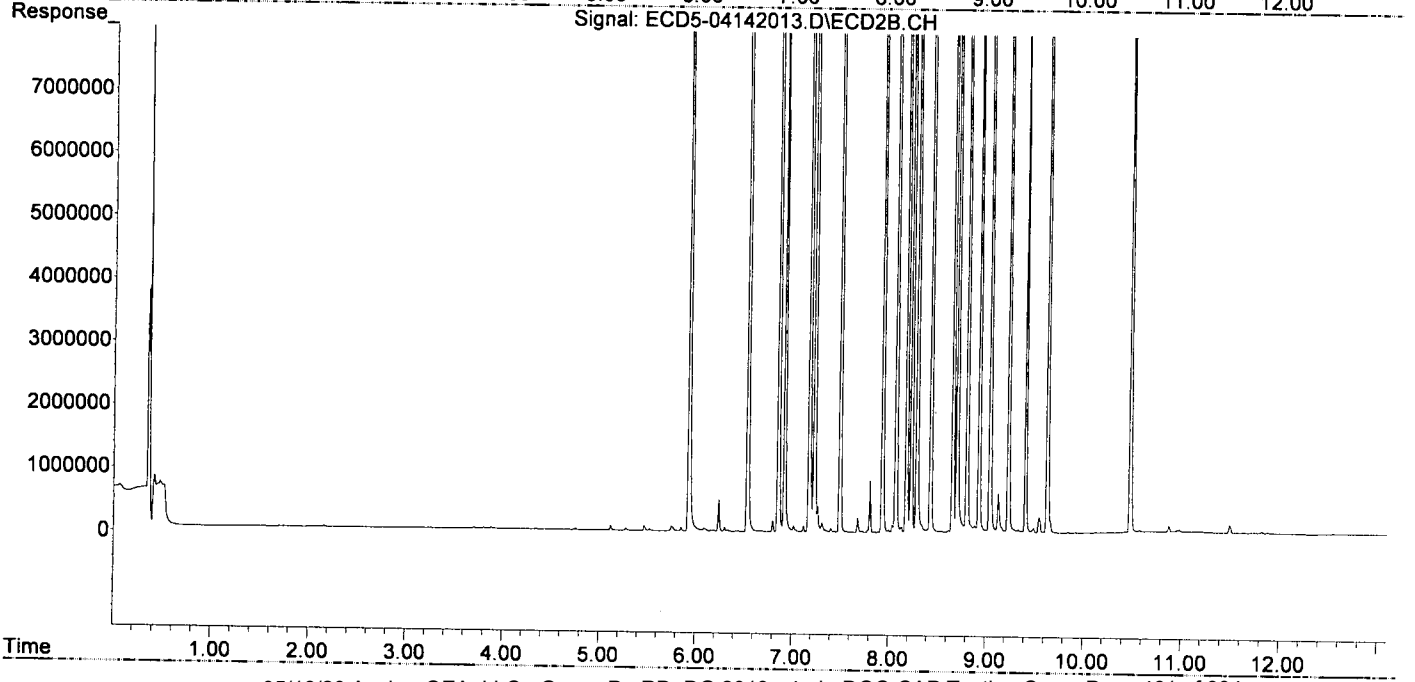
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 14:56
Operator : MJB
Sample : 0D14043-CCV3
Misc : A20C184, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:38:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 15:14
Operator : MJB
Sample : 0D14043-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:38:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/20

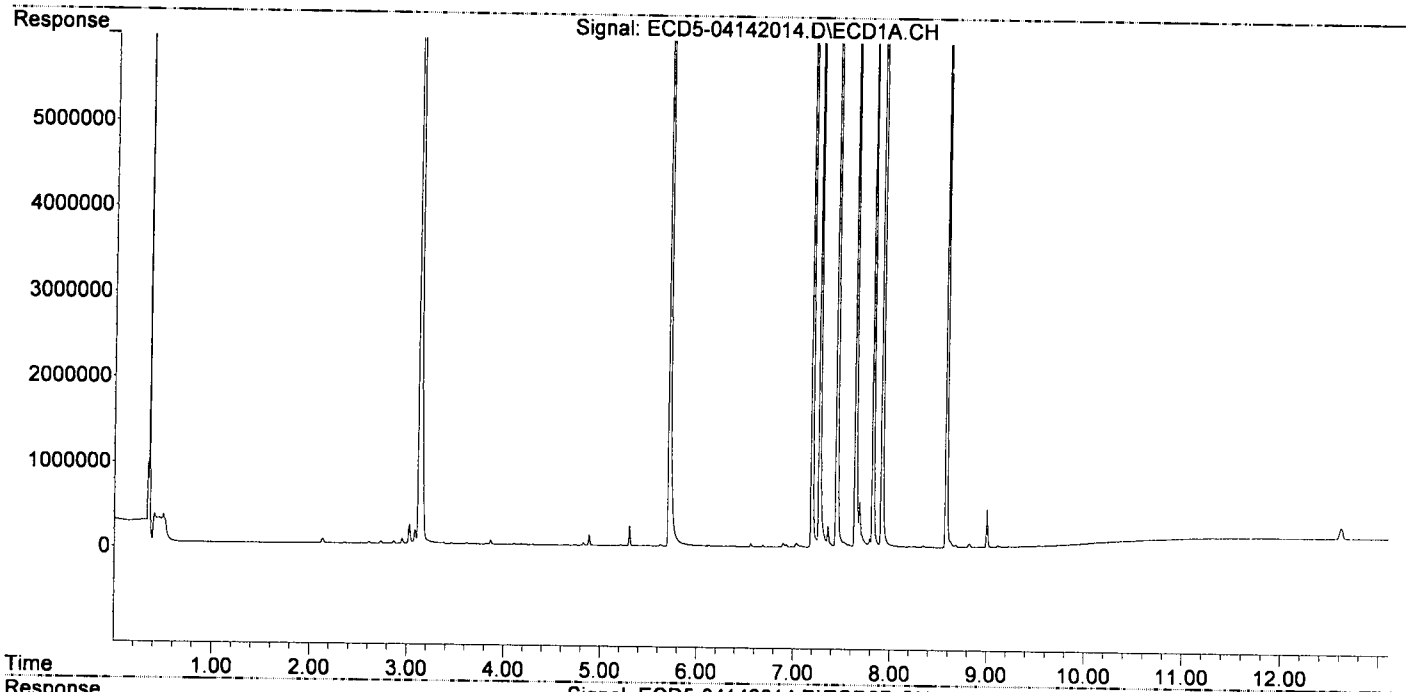
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.303f	5.936	235162	19302	1.217	0.068	#
22)	S	DCBP (S)	9.527	0.000	5248	0	BelowCal	N.D.	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	6.127f	0.000	9649	0	0.042	N.D.	#
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	6.561	7.227	43204	73654	0.194	0.220	
6)		d-BHC	6.384	7.174	8114	16603	0.042	0.051	
7)		Aldrin	0.000	7.511	0	12286	N.D.	0.038	#
8)		Heptachlo...	7.269	7.910f	11389532	74788	55.572	0.251	#
9)		trans-Chl...	7.359	8.066	251505	20155851	1.206	66.532	#
10)		cis-Chlor...	7.447	8.178	18461443	1177186	90.150	4.057	#
11)		Endosulfa...	7.578f	8.243	33721	43318	0.174	0.159	
12)		4,4'-DDE	0.000	8.322f	0	32859	N.D.	0.115	#
13)		Dieldrin	7.687f	8.439	527672	17934614	2.484	60.282	#
14)		Endrin	7.918f	8.663	20354614	17534574	119.082	76.576	#
15)		4,4'-DDD	7.918f	8.702	20354614	32624118	124.546	135.586	
16)		Endosulfa...	0.000	8.805	0	25074	N.D.	0.105	#
17)		4,4'-DDT	8.137	8.928	14945	16253	0.105	0.155	#
18)		Endrin Al...	8.344	9.043	19870	23153	0.136	0.111	
19)		Endosulfa...	0.000	9.232	0	23109	N.D.	0.101	#
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	8.822	9.623	41003	18314777	0.215	73.459	#
23)		Hexachlor...	3.128	3.616	18654001	38453531	100.137	102.653	
24)		Hexachlor...	5.712	6.396	16121332	30280911	87.931	101.189	
25)		Oxychlordane	7.192	7.861	16694243	28100849	98.338	104.814	
26)		2,4'-DDE	7.269	8.066	11389532	20155851	91.648	100.673	
27)		trans-Non...	7.447	8.135	18461443	30885431	96.908	102.953	
28)		2,4'-DDD	7.642	8.439	10152219	17934614	93.425	101.850	
29)		2,4'-DDT	7.823	8.663	10194791	17534574	93.473	103.233	
30)		cis-Nonac...	7.918	8.702	20354614	32624118	98.246	102.203	
31)		Mirex	8.582	9.623	13081984	18314777	101.319	100.823	
32)		Chlordane...	7.359	8.066f	251505	20155851	10.775	511.516	#
33)		Chlordane...	7.447f	8.178	18461443	1177186	695.285	35.946	#
34)		Chlordane...	0.000	8.848	0	27765	N.D.	2.713	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.447f	8.439	18461443	17934614	17765.206	6377.008	#
37)		Toxaphene...	0.000	8.805	0	25074	N.D.	7.015	#
38)		Toxaphene...	8.107f	8.848f	16181	27765	3.969	4.973	#
39)		Toxaphene...	8.304	8.887	7251	14790	1.846	BelowCal	#
40)		Toxaphene...	8.582f	9.043f	13081984	23153	4264.729	4.685	#
41)		Toxaphene...	8.582f	0.000	13081984	0	3265.844	N.D.	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

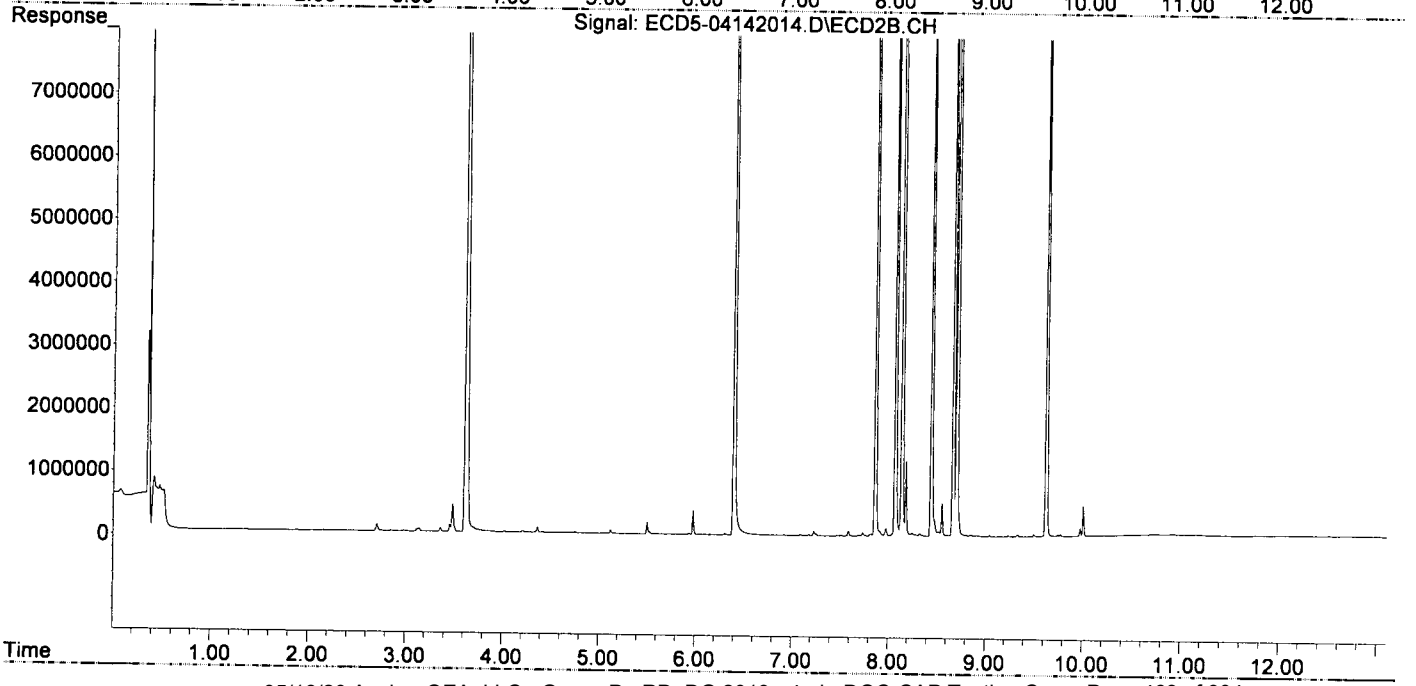
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 15:14
Operator : MJB
Sample : 0D14043-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:38:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 15:31
Operator : MJB
Sample : 0D14043-CCB2
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:48:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/20

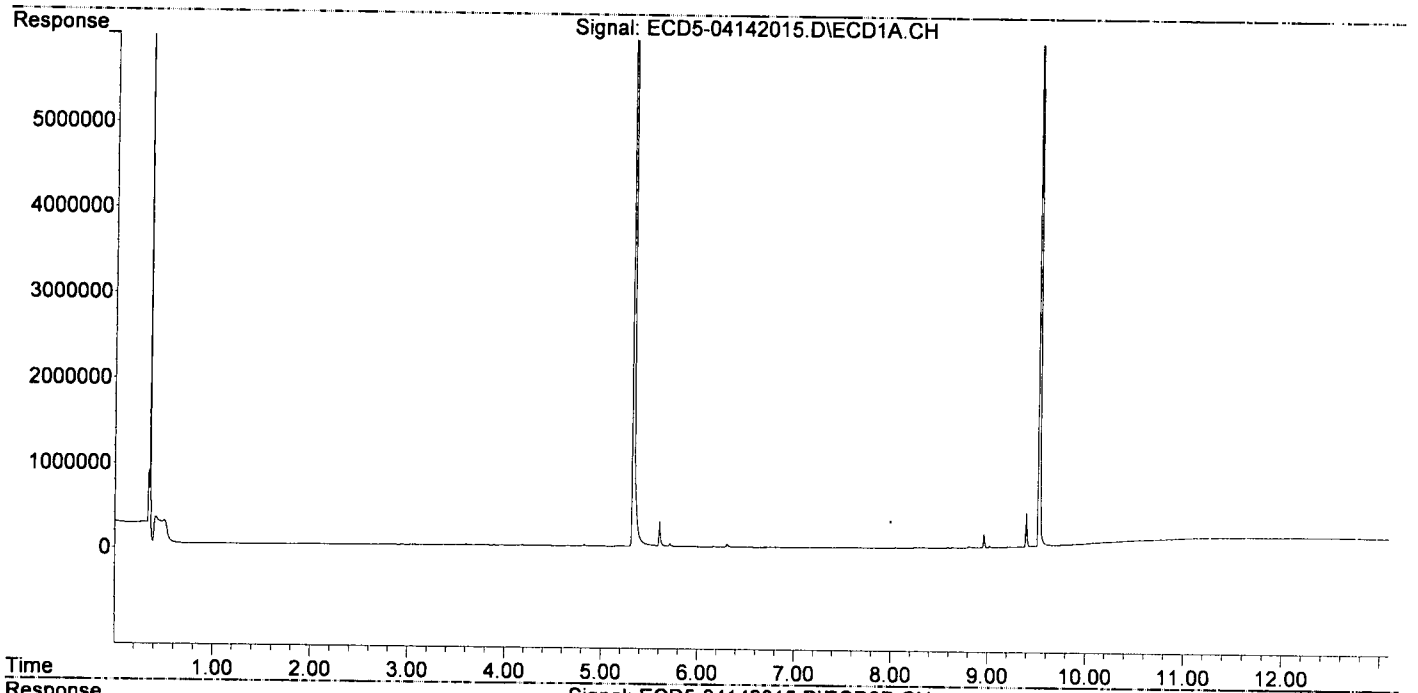
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.331	5.928	16827831	28580202	87.103	99.984	
22) S	DCBP (S)	9.528	10.480	12791067	15832385	85.863	93.226	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	7.193f	0	6082	N.D.	0.018	#
6)	d-BHC	0.000	7.175	0	9577	N.D.	0.029	#
7)	Aldrin	0.000	7.511	0	11896	N.D.	0.037	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.352	8.092	5662	4726	0.027	0.016	#
10)	cis-Chlor...	7.472	0.000	2184	0	0.011	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	7.707	0.000	3434	0	0.016	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...	8.051	8.806	4401	7153	0.026	0.030	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.339	9.042	8604	11429	0.059	0.055	
19)	Endosulfa...	8.640	9.232	8120	13546	0.049	0.059	
20)	Methoxychlor	8.481	0.000	2779	0	BelowCal	N.D.	
21)	Endrin Ke...	8.833	9.630	6719	11872	0.035	0.048	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.713	0.000	33001	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	7.835f	0	4892	N.D.	BelowCal	
26)	2,4'-DDE	0.000	8.092f	0	4726	N.D.	BelowCal	
27)	trans-Non...	7.472f	0.000	2184	0	BelowCal	N.D.	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.586	9.630	4431	11872	5765.323	BelowCal	#
32)	Chlordane...	7.352f	8.092	5662	4726	0.243	0.120	#
33)	Chlordane...	7.472	0.000	2184	0	0.082	N.D.	#
34)	Chlordane...	8.051f	8.849	4401	24245	0.605	2.369	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.472	0.000	2184	0	2.102	N.D.	#
37)	Toxaphene...	0.000	8.806	0	7153	N.D.	2.001	#
38)	Toxaphene...	8.051f	8.806f	4401	7153	1.080	1.281	
39)	Toxaphene...	8.339f	0.000	8604	0	2.190	N.D.	#
40)	Toxaphene...	8.513f	9.042f	2188	11429	0.713	2.313	#
41)	Toxaphene...	8.586f	9.483f	4431	4883	1.106	0.904	
42)	Toxaphene...	0.000	3.706f	0	10437	N.D.	NoCal	

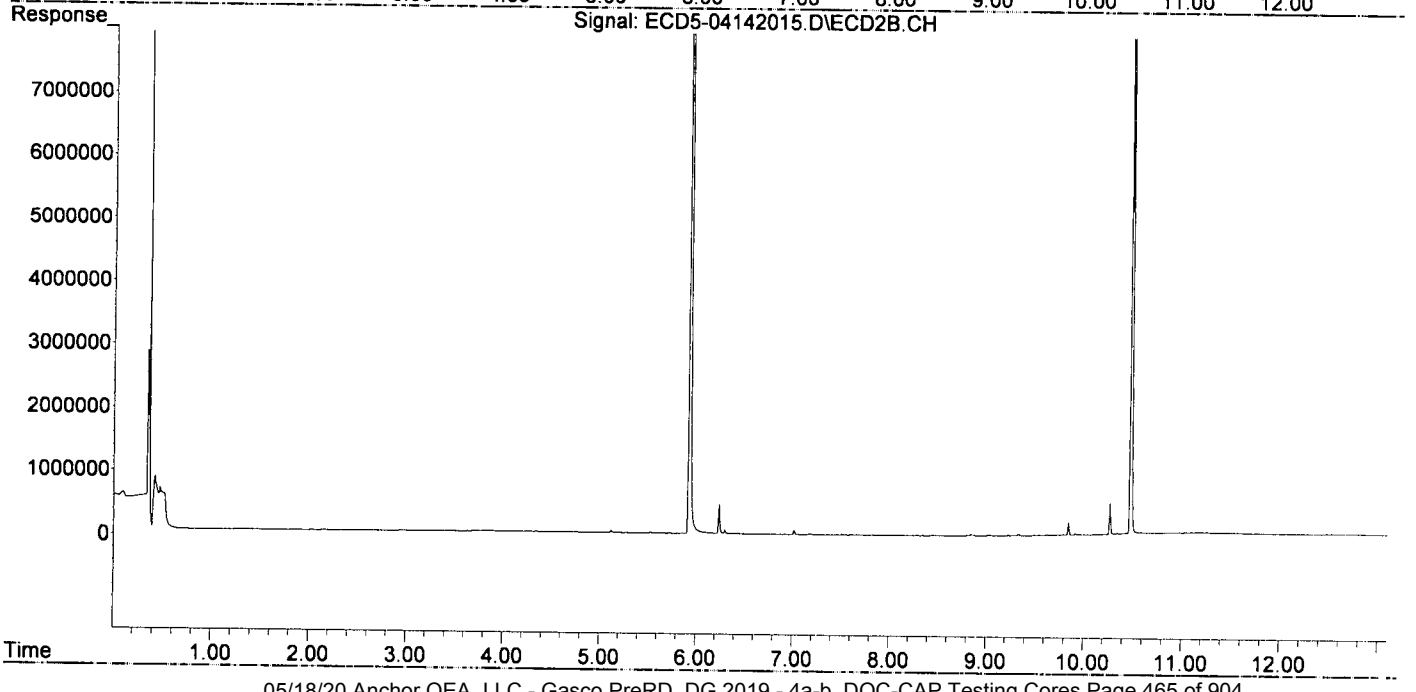
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 15:31
Operator : MJB
Sample : 0D14043-CCB2
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 14 15:48:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:40
Operator : MJB
Sample : A0D0205-01RE1
Misc : 1x, 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: Apr 14 16:59:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/20

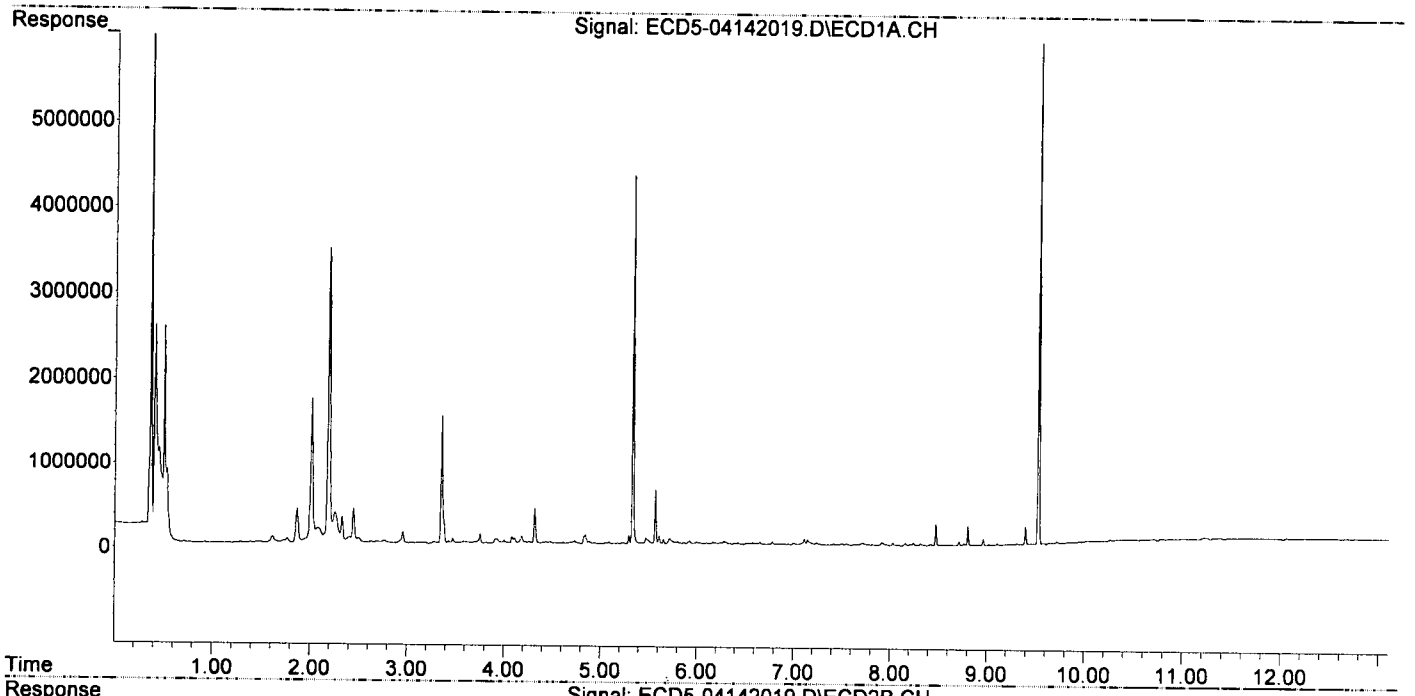
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.330	5.927	4302868	7328726	22.272	25.638
22)	S	DCBP (S)	9.526	10.480	6215406	7034214	41.663	41.419
		Target Compounds						
2)		a-BHC	5.863	6.568f	31631	30974	0.120	0.076 #
3)		g-BHC	6.168	6.817f	33407	998512	0.146	2.823 #
4)		b-BHC	6.245	6.950f	30736	22920	0.321	0.153 #
5)		Heptachlor	6.577	7.253f	28533	20049	0.128	0.060 #
6)		d-BHC	6.386	7.169	18551	36652	0.095	0.112
7)		Aldrin	6.779f	7.506	44446	18753	0.200	0.058 #
8)		Heptachlo...	7.237f	7.913f	32381	89857	0.158	0.302 #
9)		trans-Chl...	0.000	8.053	0	26253	N.D.	0.087 #
10)		cis-Chlor...	7.497f	8.201	25516	82931	0.125	0.286 #
11)		Endosulfa...	7.550	8.260f	20003	55551	0.103	0.204 #
12)		4,4'-DDE	7.499f	8.303	24733	54546	0.125m	0.190m#
13)		Dieldrin	7.718	8.415	31013	80758	0.146	0.271 #
14)		Endrin	7.914f	8.631f	38538	10098	0.225	0.044 #
15)		4,4'-DDD	7.914f	8.721	38538	12975	0.236	0.054m#
16)		Endosulfa...	8.027f	8.841f	39044	56520	0.233	0.236
17)		4,4'-DDT	8.156	8.927	33168	11509	0.254	0.126 #
18)		Endrin Al...	8.316f	9.012f	23563	41187	0.161	0.198
19)		Endosulfa...	8.639	9.253	5219	14770	0.032	0.065 #
20)		Methoxychlor	8.471	9.408	251649	371931	3.735	4.350
21)		Endrin Ke...	8.801f	9.618	229451	32741	1.202	0.131 #
23)		Hexachlor...	3.106f	3.592f	15203	2690237	11064.627	7.265 #
24)		Hexachlor...	5.715	6.389	74613	68363	0.136	0.004 #
25)		Oxychlordane	0.000	7.857	0	99095	N.D.	0.139 #
26)		2,4'-DDE	7.237f	8.053	32381	26253	0.055	BelowCal #
27)		trans-Non...	7.415f	8.144	18517	23986	BelowCal	BelowCal
28)		2,4'-DDD	7.656	8.415f	17211	80758	BelowCal	0.224
29)		2,4'-DDT	7.817	8.631f	11152	10098	BelowCal	BelowCal
30)		cis-Nonac...	7.914	8.727f	38538	14619	BelowCal	BelowCal
31)		Mirex	8.581	9.618	7688	32741	5765.298	BelowCal #
32)		Chlordane...	7.415f	8.053f	18517	26253	0.793	0.666
33)		Chlordane...	7.497f	8.201	25516	82931	0.961	2.532 #
34)		Chlordane...	8.027	8.869	39044	28677	5.371	2.802 #
35)		Chlordane...	3.702f	3.699f	26551	81069	NoCal	NoCal
36)		Toxaphene...	7.497f	8.415f	25516	80758	24.554	28.715
37)		Toxaphene...	0.000	8.766f	0	12283	N.D.	3.437 #
38)		Toxaphene...	8.091	8.841	9000	56520	2.208	10.123 #
39)		Toxaphene...	8.316	8.869f	23563	28677	5.999	BelowCal #
40)		Toxaphene...	8.531	0.000	7618	0	2.484	N.D. #
41)		Toxaphene...	8.616	9.443	6340	72158	1.583	13.351 #
42)		Toxaphene...	3.702f	3.699f	26551	81069	NoCal	NoCal

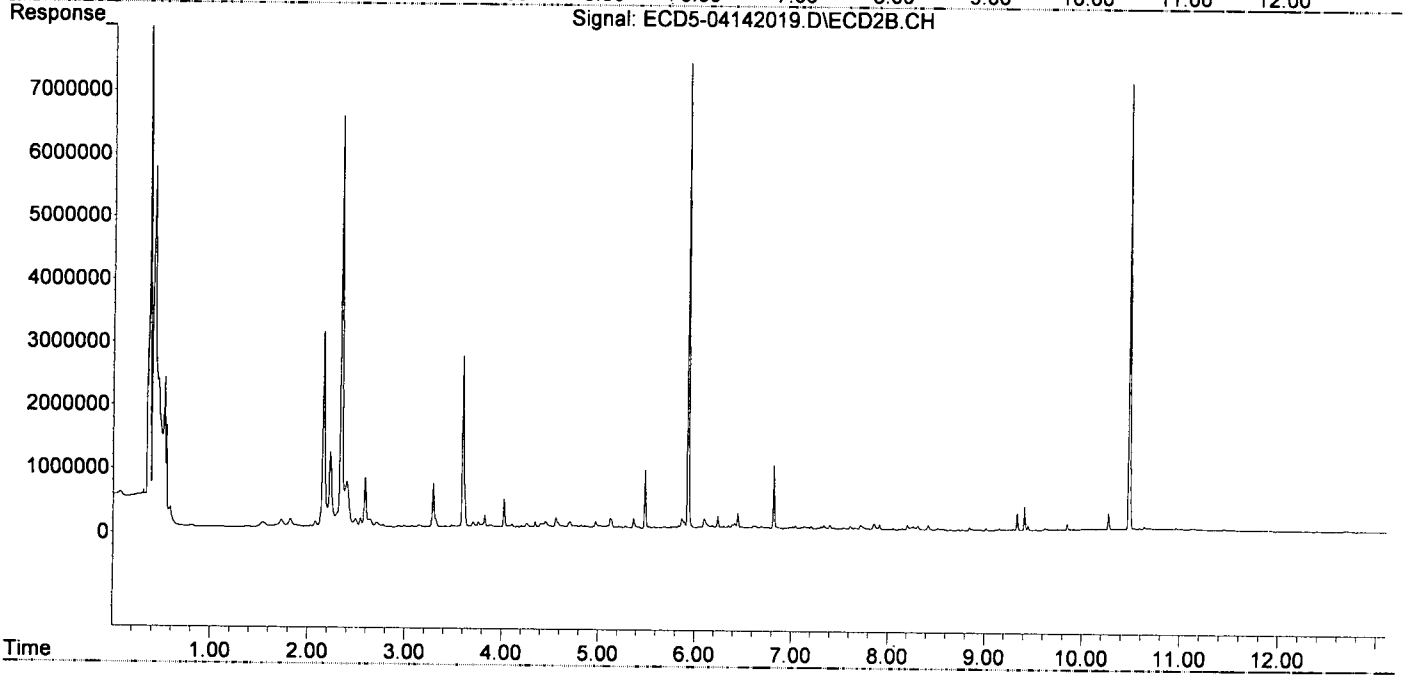
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:40
Operator : MJB
Sample : A0D0205-01RE1
Misc : 1x, 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: Apr 14 16:59:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



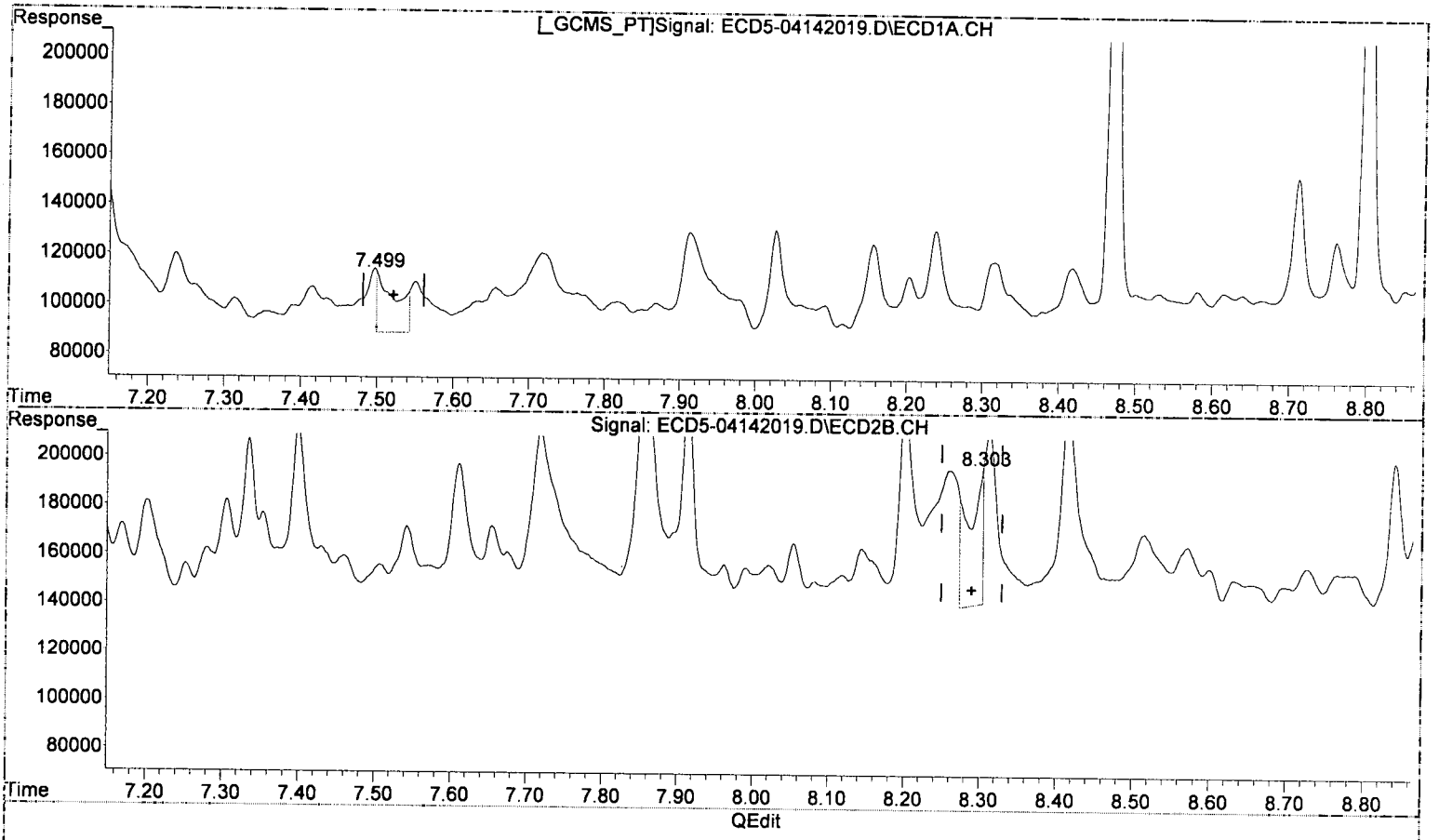


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:40
Operator : MJB
Sample : A0D0205-01RE1
Misc : 1x, 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: Apr 14 16:59:09 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

7.499min 0.125 ng/mL (m)

response 24733

MJB 4/14/20

(12) 4,4'-DDE #2

8.303min 0.190 ng/mL (m)

response 54546

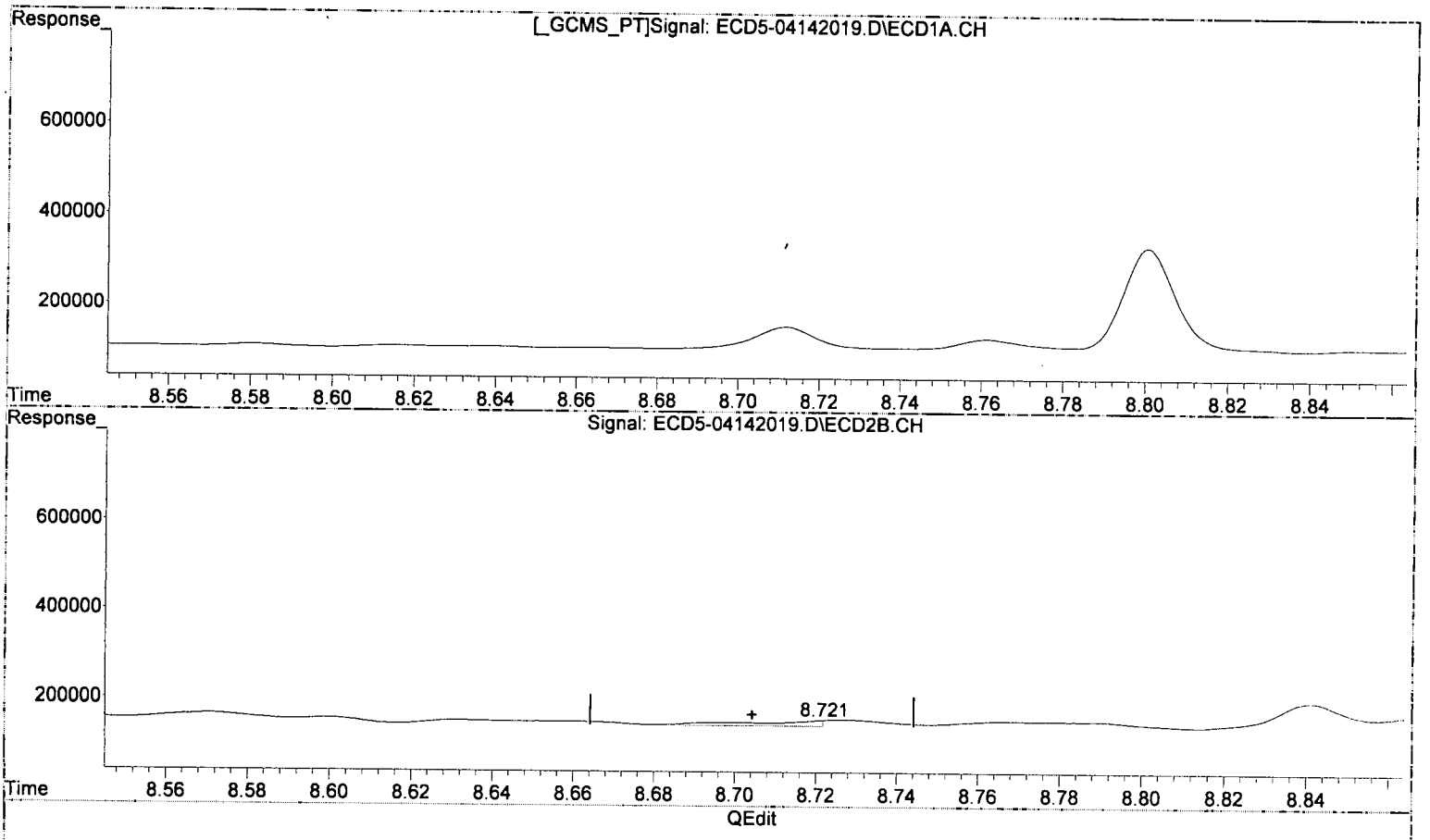
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:40
Operator : MJB
Sample : A0D0205-01RE1
Misc : 1x, 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: Apr 14 16:59:09 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

7.914min 0.236 ng/mL

response 38538

MJB 4/14/20

(15) 4,4'-DDD #2

8.721min 0.054 ng/mL m

response 12975

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:40
Operator : MJB
Sample : A0D0205-01RE1
Misc : 1x, 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: Apr 14 16:59:09 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/14/20

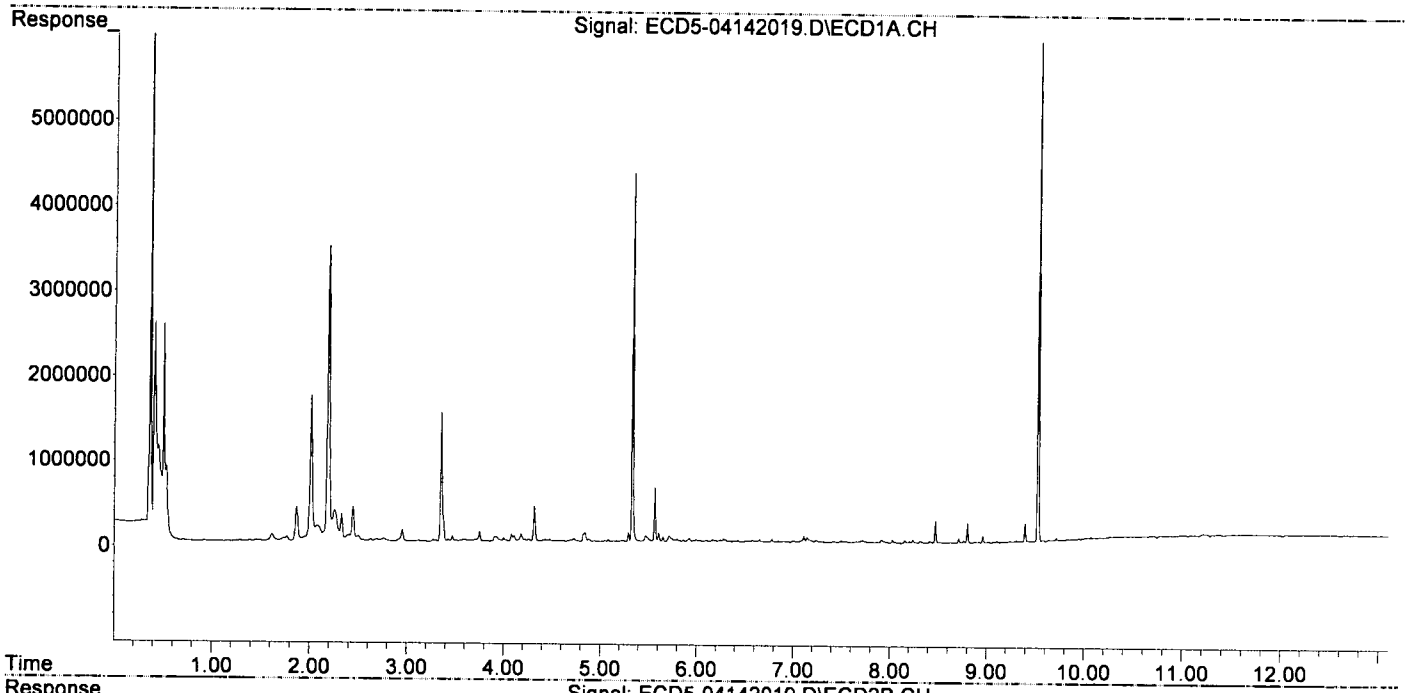
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.330	5.927	4302868	7328726	22.272	25.638	
22)	S	DCBP (S)	9.526	10.480	6215406	7034214	41.663	41.419	
		Target Compounds							
2)		a-BHC	5.863	6.568f	31631	30974	0.120	0.076	#
3)		g-BHC	6.168	6.817f	33407	998512	0.146	2.823	#
4)		b-BHC	6.245	6.950f	30736	22920	0.321	0.153	#
5)		Heptachlor	6.577	7.253f	28533	20049	0.128	0.060	#
6)		d-BHC	6.386	7.169	18551	36652	0.095	0.112	
7)		Aldrin	6.779f	7.506	44446	18753	0.200	0.058	#
8)		Heptachlo...	7.237f	7.913f	32381	89857	0.158	0.302	#
9)		trans-Chl...	0.000	8.053	0	26253	N.D.	0.087	#
10)		cis-Chlor...	7.497f	8.201	25516	82931	0.125	0.286	#
11)		Endosulfa...	7.550	8.260f	20003	55551	0.103	0.204	#
12)		4,4'-DDE	7.497f	8.312f	25516	71080	0.129	0.248	#
13)		Dieldrin	7.718	8.415	31013	80758	0.146	0.271	#
14)		Endrin	7.914f	8.631f	38538	10098	0.225	0.044	#
15)		4,4'-DDD	7.914f	8.727f	38538	14619	0.236	0.061	#
16)		Endosulfa...	8.027f	8.841f	39044	56520	0.233	0.236	
17)		4,4'-DDT	8.156	8.927	33168	11509	0.254	0.126	#
18)		Endrin Al...	8.316f	9.012f	23563	41187	0.161	0.198	
19)		Endosulfa...	8.639	9.253	5219	14770	0.032	0.065	#
20)		Methoxychlor	8.471	9.408	251649	371931	3.735	4.350	
21)		Endrin Ke...	8.801f	9.618	229451	32741	1.202	0.131	#
23)		Hexachlor...	3.106f	3.592f	15203	2690237	11064.627	7.265	#
24)		Hexachlor...	5.715	6.389	74613	68363	0.136	0.004	#
25)		Oxychlordane	0.000	7.857	0	99095	N.D.	0.139	#
26)		2,4'-DDE	7.237f	8.053	32381	26253	0.055	BelowCal	#
27)		trans-Non...	7.415f	8.144	18517	23986	BelowCal	BelowCal	
28)		2,4'-DDD	7.656	8.415f	17211	80758	BelowCal	0.224	
29)		2,4'-DDT	7.817	8.631f	11152	10098	BelowCal	BelowCal	
30)		cis-Nonac...	7.914	8.727f	38538	14619	BelowCal	BelowCal	
31)		Mirex	8.581	9.618	7688	32741	5765.298	BelowCal	#
32)		Chlordane...	7.415f	8.053f	18517	26253	0.793	0.666	
33)		Chlordane...	7.497f	8.201	25516	82931	0.961	2.532	#
34)		Chlordane...	8.027	8.869	39044	28677	5.371	2.802	#
35)		Chlordane...	3.702f	3.699f	26551	81069	NoCal	NoCal	
36)		Toxaphene...	7.497f	8.415f	25516	80758	24.554	28.715	
37)		Toxaphene...	0.000	8.766f	0	12283	N.D.	3.437	#
38)		Toxaphene...	8.091	8.841	9000	56520	2.208	10.123	#
39)		Toxaphene...	8.316	8.869f	23563	28677	5.999	BelowCal	#
40)		Toxaphene...	8.531	0.000	7618	0	2.484	N.D.	#
41)		Toxaphene...	8.616	9.443	6340	72158	1.583	13.351	#
42)		Toxaphene...	3.702f	3.699f	26551	81069	NoCal	NoCal	

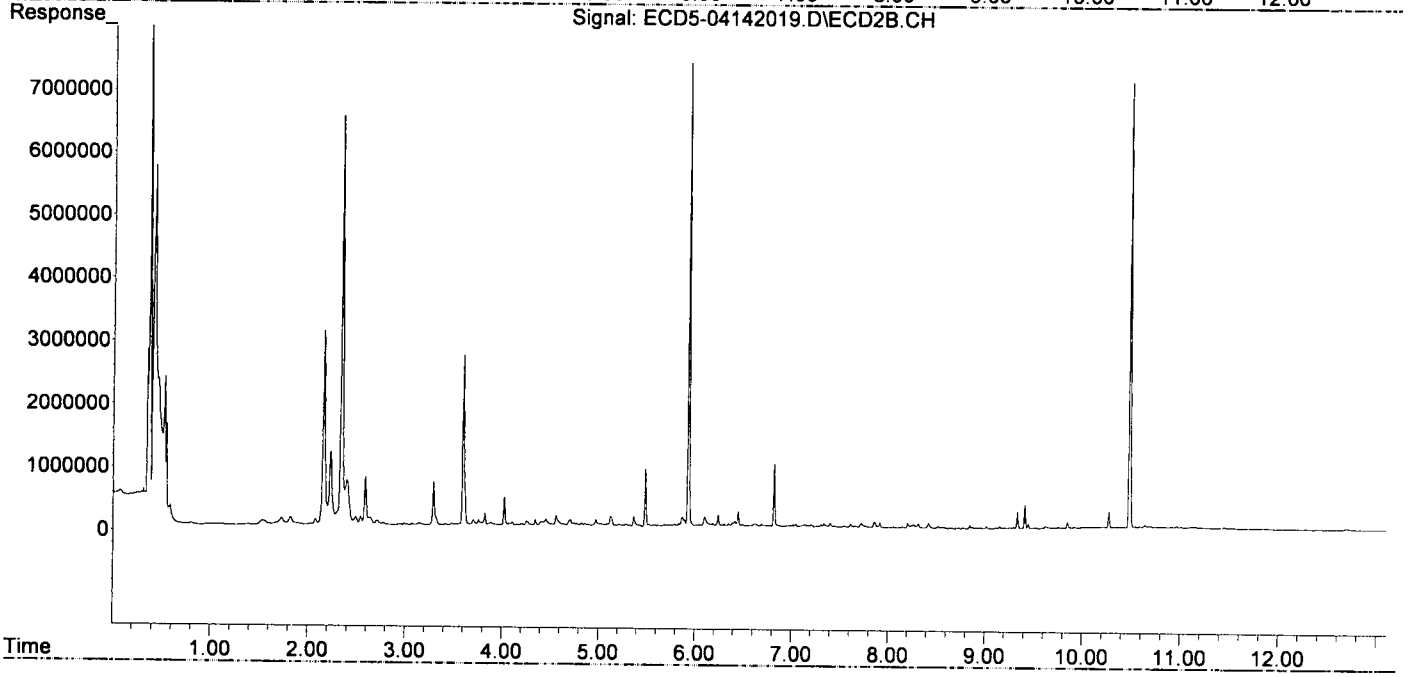
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:40
Operator : MJB
Sample : A0D0205-01RE1
Misc : 1x, 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: Apr 14 16:59:09 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:57
Operator : MJB
Sample : A0D0205-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 13:02:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/15/20

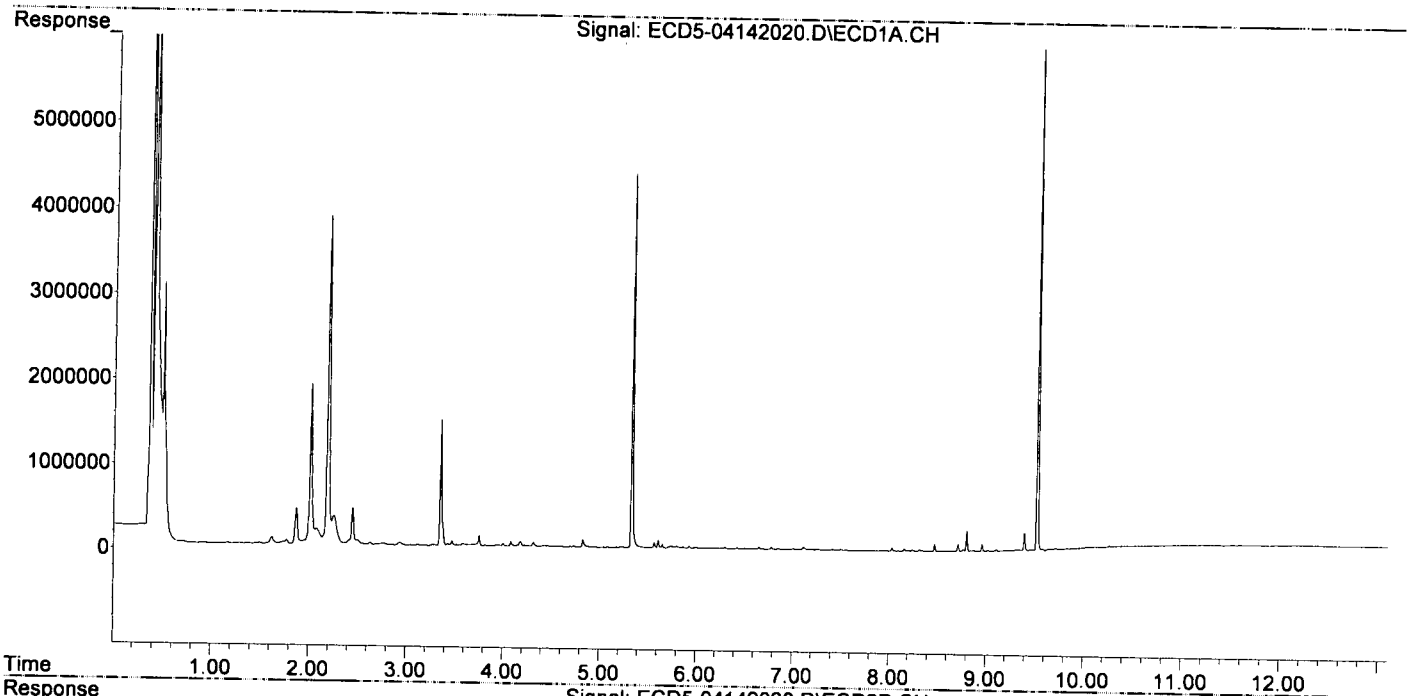
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.332	5.929	4387377	7429454	22.710	25.991
22) S	DCBP (S)	9.528	10.481	6123283	7176061	41.043	42.255
	Target Compounds						
2)	a-BHC	5.866	6.576f	21635	12800	0.082	0.032 #
3)	g-BHC	0.000	6.819f	0	122777	N.D.	0.347 #
4)	b-BHC	6.220	6.949f	10708	11794	0.112	0.079 #
5)	Heptachlor	6.551	7.226	8881	14808	0.040	0.044
6)	d-BHC	0.000	7.145f	0	27521	N.D.	0.084 #
7)	Aldrin	6.782f	0.000	31814	0	0.143	N.D. #
8)	Heptachlo...	7.266	7.915	10060	47064	0.049	0.158 #
9)	trans-Chl...	0.000	8.083	0	5705	N.D.	0.019 #
10)	cis-Chlor...	7.419f	8.204f	10454	65007	0.051	0.224 #
11)	Endosulfa...	7.554	8.204f	10422	65007	0.054	0.239 #
12)	4,4'-DDE	7.502	8.316f	13562	46931	0.069	0.164 #
13)	Dieldrin	0.000	8.424	0	17801	N.D.	0.060 #
14)	Endrin	7.924f	0.000	7983	0	0.047	N.D. #
15)	4,4'-DDD	7.924	0.000	7983	0	0.049	N.D. #
16)	Endosulfa...	8.030	8.796	36600	6903	0.218	0.029 #
17)	4,4'-DDT	8.160f	8.927	28003	10671	0.212	0.120 #
18)	Endrin Al...	8.316f	9.050	21652	6044	0.148	0.029 #
19)	Endosulfa...	8.642	9.254f	4115	8957	0.025	0.039 #
20)	Methoxychlor	8.473	9.410	83386	131578	1.125	1.495 #
21)	Endrin Ke...	8.850	9.621	8164	28773	0.043	0.115 #
23)	Hexachlor...	3.128	3.594f	9168	2646584	11064.660	7.144 #
24)	Hexachlor...	5.743f	6.416	23040	69502	BelowCal	0.008
25)	Oxychlordane	0.000	7.850	0	20727	N.D.	BelowCal
26)	2,4'-DDE	7.266	8.059	10060	9326	BelowCal	BelowCal
27)	trans-Non...	7.419f	8.149	10454	5932	BelowCal	BelowCal
28)	2,4'-DDD	0.000	8.427	0	18863	N.D.	BelowCalm
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30)	cis-Nonac...	7.924	0.000	7983	0	BelowCal	N.D.
31)	Mirex	8.583	9.621	5133	28773	5765.318	BelowCal #
32)	Chlordane...	0.000	8.083	0	5705	N.D.	0.145 #
33)	Chlordane...	7.502f	8.204	13562	65007	0.511	1.985 #
34)	Chlordane...	8.030	8.844	36600	31968	5.035	3.124 #
35)	Chlordane...	3.704f	3.700f	23488	76380	NoCal	NoCal
36)	Toxaphene...	7.502f	8.452	13562	12349	13.051	4.391 #
37)	Toxaphene...	7.776	8.796	3465	6903	16729.811	1.931 #
38)	Toxaphene...	8.096	8.844	5660	31968	1.388	5.725 #
39)	Toxaphene...	8.316	8.927f	21652	10671	5.512	BelowCal #
40)	Toxaphene...	8.583f	9.050f	5133	6044	1.673	1.223 #
41)	Toxaphene...	8.615	9.445	3163	122962	0.790	22.752 #
42)	Toxaphene...	3.704f	3.700f	23488	76380	NoCal	NoCal

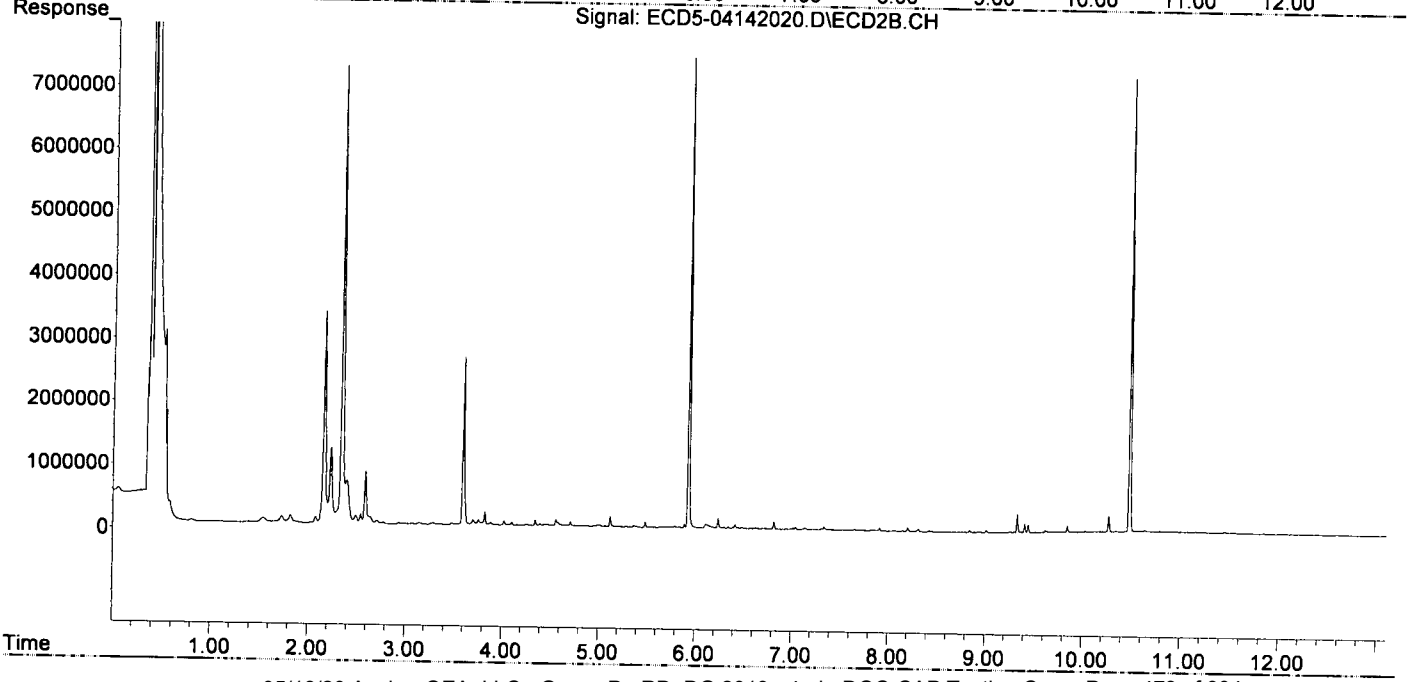
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:57
Operator : MJB
Sample : A0D0205-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 13:02:18 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



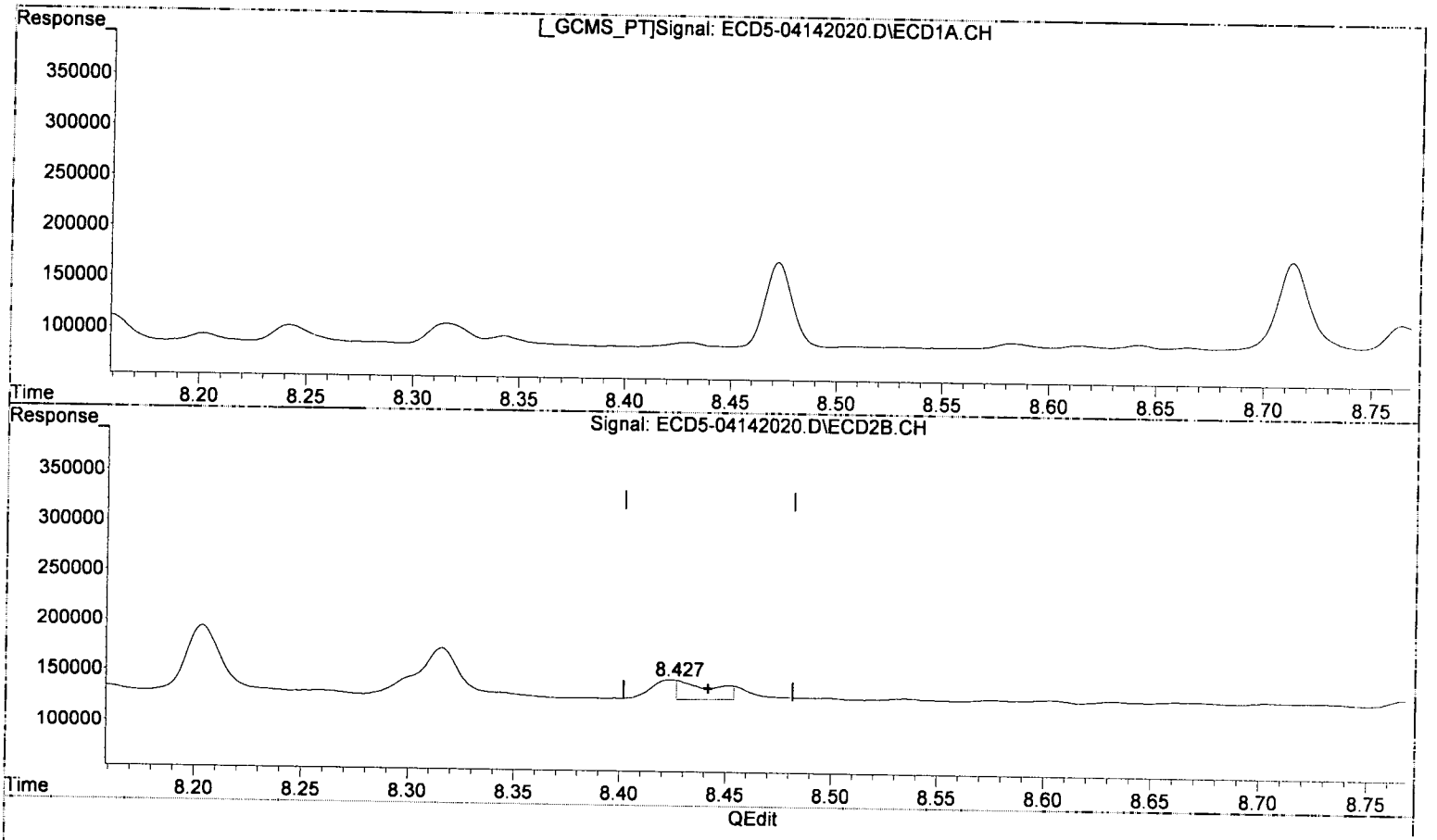


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:57
Operator : MJB
Sample : A0D0205-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

0.000min 0.000 ng/mL

response 0

MJB 4/15/20

(28) 2,4'-DDD #2

8.427min -0.161 ng/mL m

response 18863

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:57
Operator : MJB
Sample : A0D0205-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/15/20

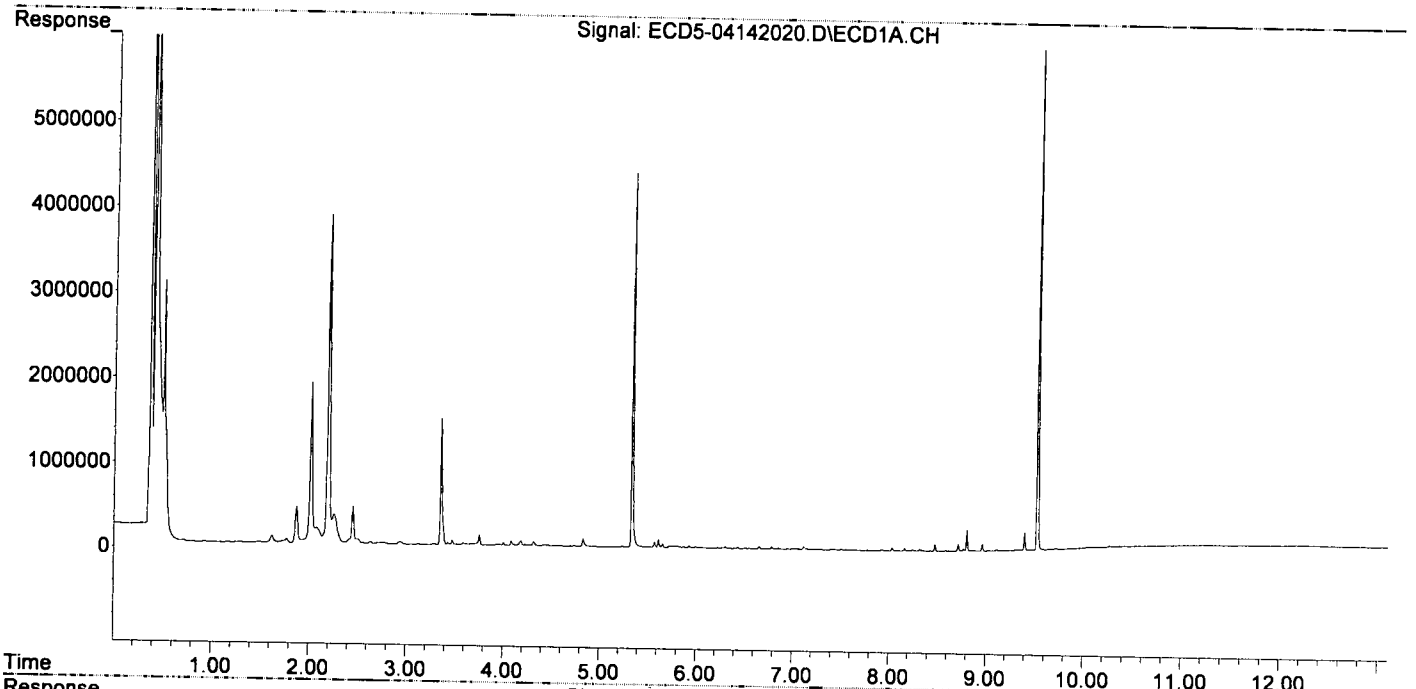
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.332	5.929	4387377	7429454	22.710	25.991
22) S	DCBP (S)	9.528	10.481	6123283	7176061	41.043	42.255
	Target Compounds						
2)	a-BHC	5.866	6.576f	21635	12800	0.082	0.032 #
3)	g-BHC	0.000	6.819f	0	122777	N.D.	0.347 #
4)	b-BHC	6.220	6.949f	10708	11794	0.112	0.079 #
5)	Heptachlor	6.551	7.226	8881	14808	0.040	0.044
6)	d-BHC	0.000	7.145f	0	27521	N.D.	0.084 #
7)	Aldrin	6.782f	0.000	31814	0	0.143	N.D. #
8)	Heptachlo...	7.266	7.915	10060	47064	0.049	0.158 #
9)	trans-Chl...	0.000	8.083	0	5705	N.D.	0.019 #
10)	cis-Chlor...	7.419f	8.204f	10454	65007	0.051	0.224 #
11)	Endosulfa...	7.554	8.204f	10422	65007	0.054	0.239 #
12)	4,4'-DDE	7.502	8.316f	13562	46931	0.069	0.164 #
13)	Dieldrin	0.000	8.424	0	17801	N.D.	0.060 #
14)	Endrin	7.924f	0.000	7983	0	0.047	N.D. #
15)	4,4'-DDD	7.924	0.000	7983	0	0.049	N.D. #
16)	Endosulfa...	8.030	8.796	36600	6903	0.218	0.029 #
17)	4,4'-DDT	8.160f	8.927	28003	10671	0.212	0.120 #
18)	Endrin Al...	8.316f	9.050	21652	6044	0.148	0.029 #
19)	Endosulfa...	8.642	9.254f	4115	8957	0.025	0.039 #
20)	Methoxychlor	8.473	9.410	83386	131578	1.125	1.495 #
21)	Endrin Ke...	8.850	9.621	8164	28773	0.043	0.115 #
23)	Hexachlor...	3.128	3.594f	9168	2646584	11064.660	7.144 #
24)	Hexachlor...	5.743f	6.416	23040	69502	BelowCal	0.008
25)	Oxychlordane	0.000	7.850	0	20727	N.D.	BelowCal
26)	2,4'-DDE	7.266	8.059	10060	9326	BelowCal	BelowCal
27)	trans-Non...	7.419f	8.149	10454	5932	BelowCal	BelowCal
28)	2,4'-DDD	0.000	8.452	0	12349	N.D.	BelowCal
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30)	cis-Nonac...	7.924	0.000	7983	0	BelowCal	N.D.
31)	Mirex	8.583	9.621	5133	28773	5765.318	BelowCal #
32)	Chlordane...	0.000	8.083	0	5705	N.D.	0.145 #
33)	Chlordane...	7.502f	8.204	13562	65007	0.511	1.985 #
34)	Chlordane...	8.030	8.844	36600	31968	5.035	3.124 #
35)	Chlordane...	3.704f	3.700f	23488	76380	NoCal	NoCal
36)	Toxaphene...	7.502f	8.452	13562	12349	13.051	4.391 #
37)	Toxaphene...	7.776	8.796	3465	6903	16729.811	1.931 #
38)	Toxaphene...	8.096	8.844	5660	31968	1.388	5.725 #
39)	Toxaphene...	8.316	8.927f	21652	10671	5.512	BelowCal #
40)	Toxaphene...	8.583f	9.050f	5133	6044	1.673	1.223 #
41)	Toxaphene...	8.615	9.445	3163	122962	0.790	22.752 #
42)	Toxaphene...	3.704f	3.700f	23488	76380	NoCal	NoCal

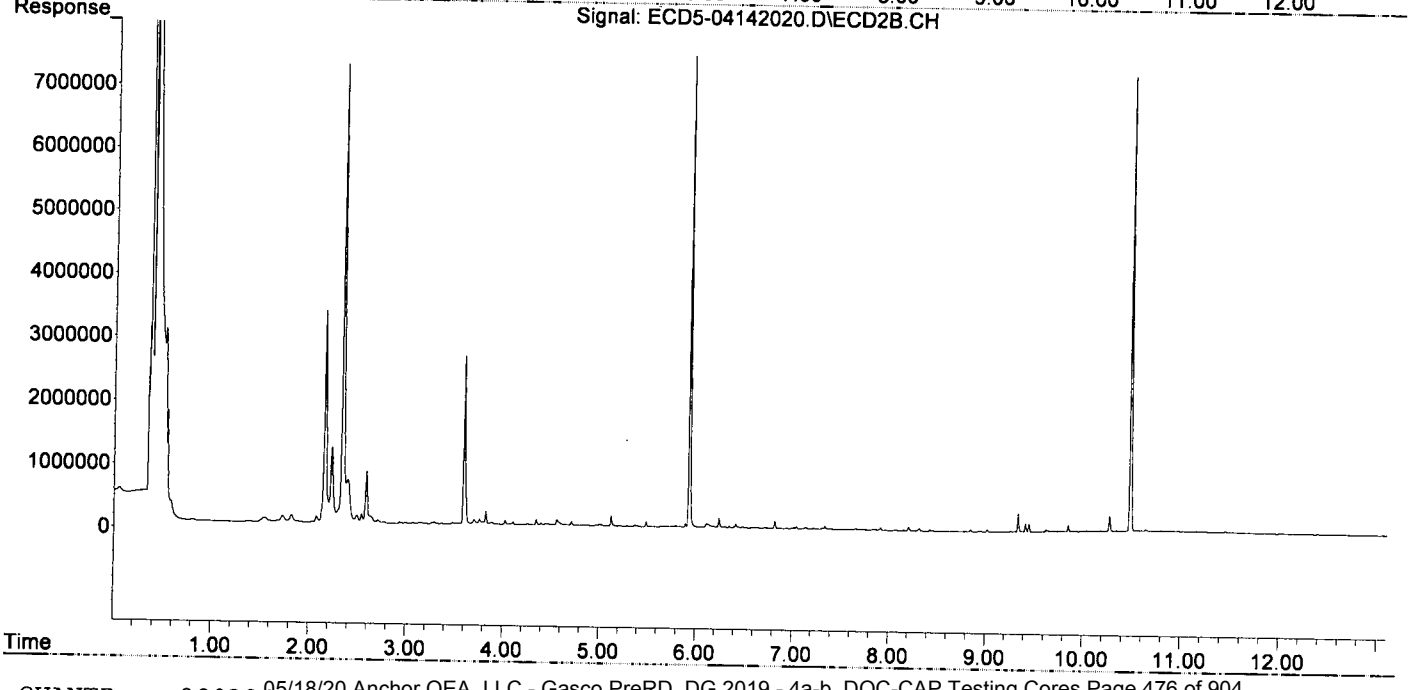
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 16:57
Operator : MJB
Sample : A0D0205-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:14
Operator : MJB
Sample : A0D0205-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 13:05:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/15/20.

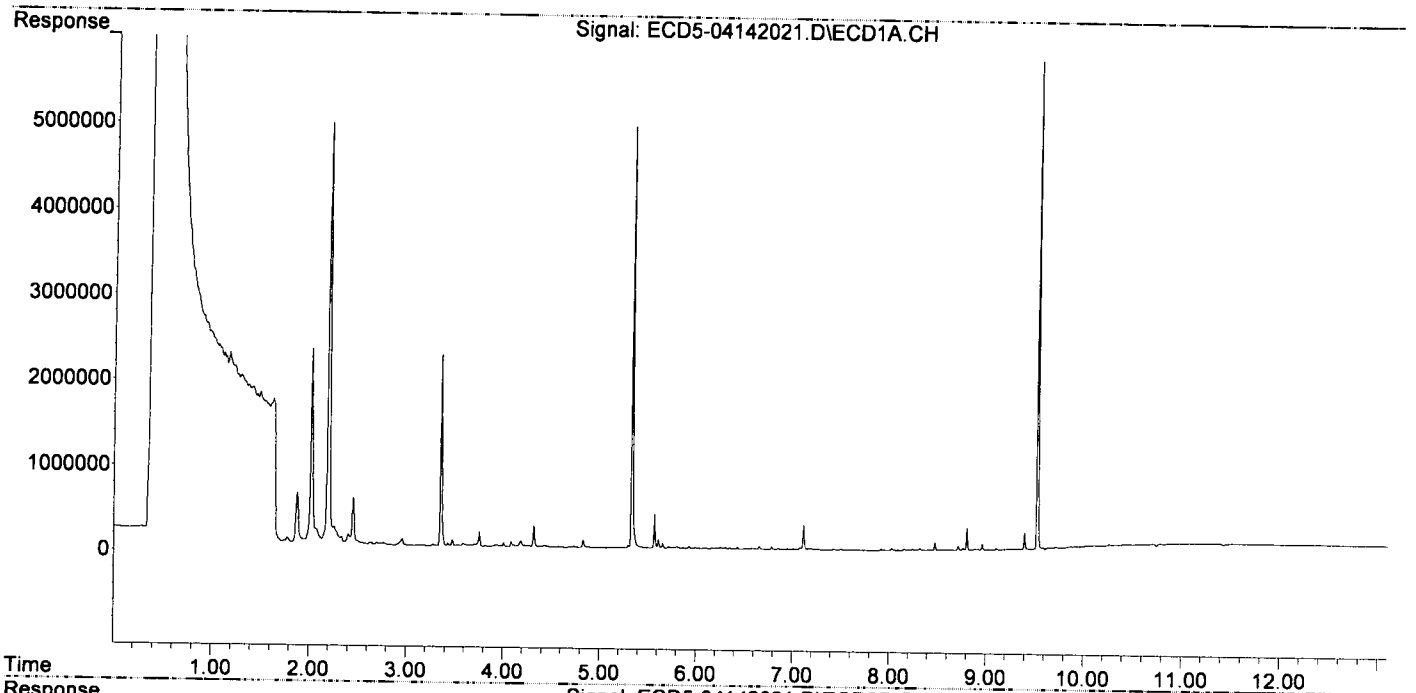
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.330	5.927	4913616	8281426	25.433	28.971
22) S	DCBP (S)	9.526	10.480	5696641	6763103	38.173	39.823
	Target Compounds						
2)	a-BHC	5.864	0.000	18046	0	0.069	N.D. #
3)	g-BHC	6.165	6.817f	8528	633727	0.037	1.791 #
4)	b-BHC	6.217	6.948f	10778	17632	0.113	0.118
5)	Heptachlor	6.578	7.206f	13703	36191	0.062	0.108 #
6)	d-BHC	6.345f	7.206f	15312	36191	0.078	0.111 #
7)	Aldrin	6.780f	7.508	34877	15021	0.157	0.046 #
8)	Heptachlo...	0.000	7.914	0	357444	N.D.	1.201 #
9)	trans-Chl...	7.338f	8.057	4756	18254	0.023	0.060 #
10)	cis-Chlor...	7.418f	8.201	8229	53638	0.040	0.185 #
11)	Endosulfa...	7.551	8.201f	9123	53638	0.047	0.197 #
12)	4,4'-DDE	7.500f	8.314f	13506	37279	0.069	0.130 #
13)	Dieldrin	0.000	8.419	0	26845	N.D.	0.090 #
14)	Endrin	7.918f	0.000	12295	0	0.072	N.D. #
15)	4,4'-DDD	7.918f	0.000	12295	0	0.075	N.D. #
16)	Endosulfa...	8.027f	8.842f	27739	37019	0.166	0.154
17)	4,4'-DDT	8.157	8.923	19221	4816	0.140	0.084m#
18)	Endrin Al...	8.315f	9.013f	20045	36587	0.137	0.176 #
19)	Endosulfa...	8.641	9.260f	2344	9596	0.014	0.042 #
20)	Methoxychlor	8.471	9.408	94076	146237	1.291	1.670 #
21)	Endrin Ke...	8.849	9.619	4174	30199	0.022	0.121 #
23)	Hexachlor...	3.128	3.593f	12418	4063592	11064.642	11.069 #
24)	Hexachlor...	5.714	6.414	21549	72401	BelowCal	0.018
25)	Oxychlordane	7.175	7.839f	17323	36596	BelowCal	BelowCal
26)	2,4'-DDE	0.000	8.057	0	18254	N.D.	BelowCal
27)	trans-Non...	7.418f	8.146	8229	17090	BelowCal	BelowCal
28)	2,4'-DDD	7.655	8.419f	3392	26845	BelowCal	BelowCal
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30)	cis-Nonac...	7.918	0.000	12295	0	BelowCal	N.D.
31)	Mirex	8.580	9.619	4830	30199	5765.320	BelowCal #
32)	Chlordane...	7.338f	8.057f	4756	18254	0.204	0.463 #
33)	Chlordane...	7.500f	8.201	13506	53638	0.509	1.638 #
34)	Chlordane...	8.027	8.842	27739	37019	3.816	3.617
35)	Chlordane...	3.702f	3.699f	29934	91191	NoCal	NoCal
36)	Toxaphene...	7.500f	8.419f	13506	26845	12.997	9.545 #
37)	Toxaphene...	0.000	8.766f	0	6141	N.D.	1.718 #
38)	Toxaphene...	8.094	8.842	3044	37019	0.747	6.630 #
39)	Toxaphene...	8.315	0.000	20045	0	5.103	N.D. #
40)	Toxaphene...	8.535	0.000	2019	0	0.658	N.D. #
41)	Toxaphene...	8.615	9.444	2760	74210	0.689	13.731 #
42)	Toxaphene...	3.702f	3.699f	29934	91191	NoCal	NoCal

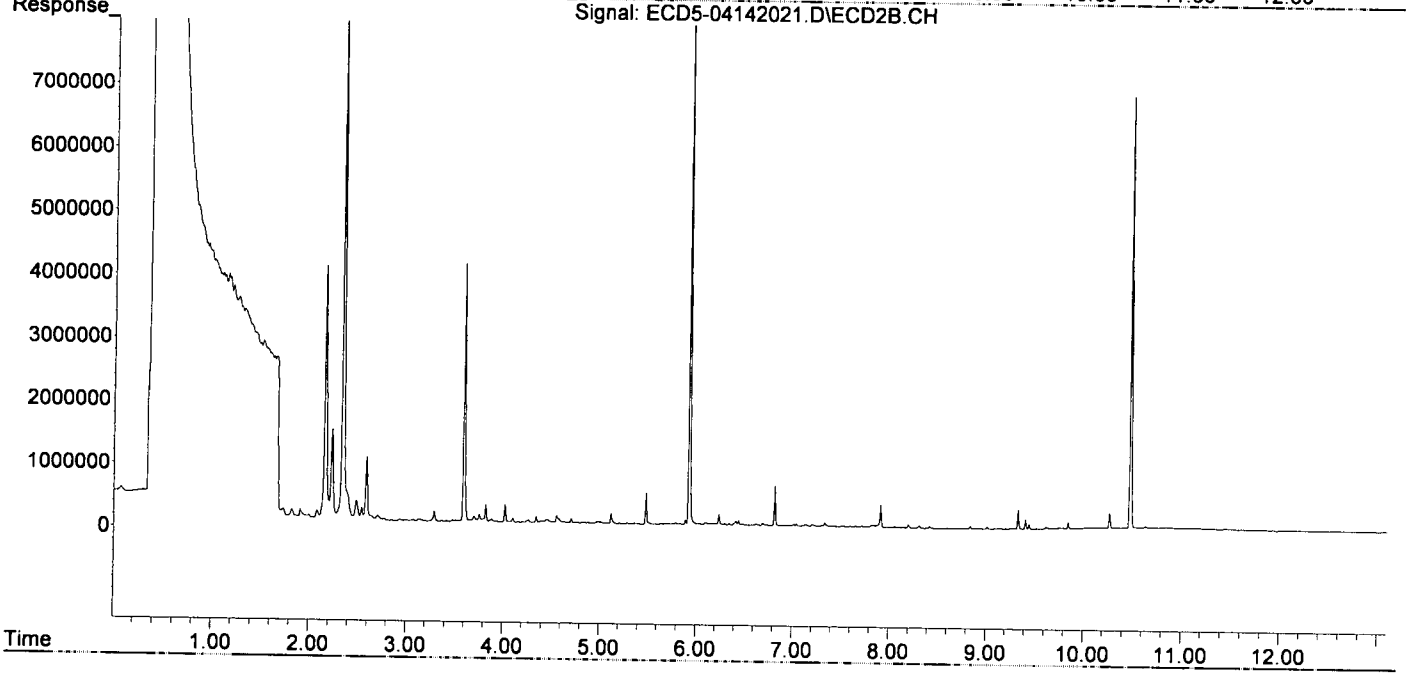
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:14
Operator : MJB
Sample : A0D0205-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 13:05:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



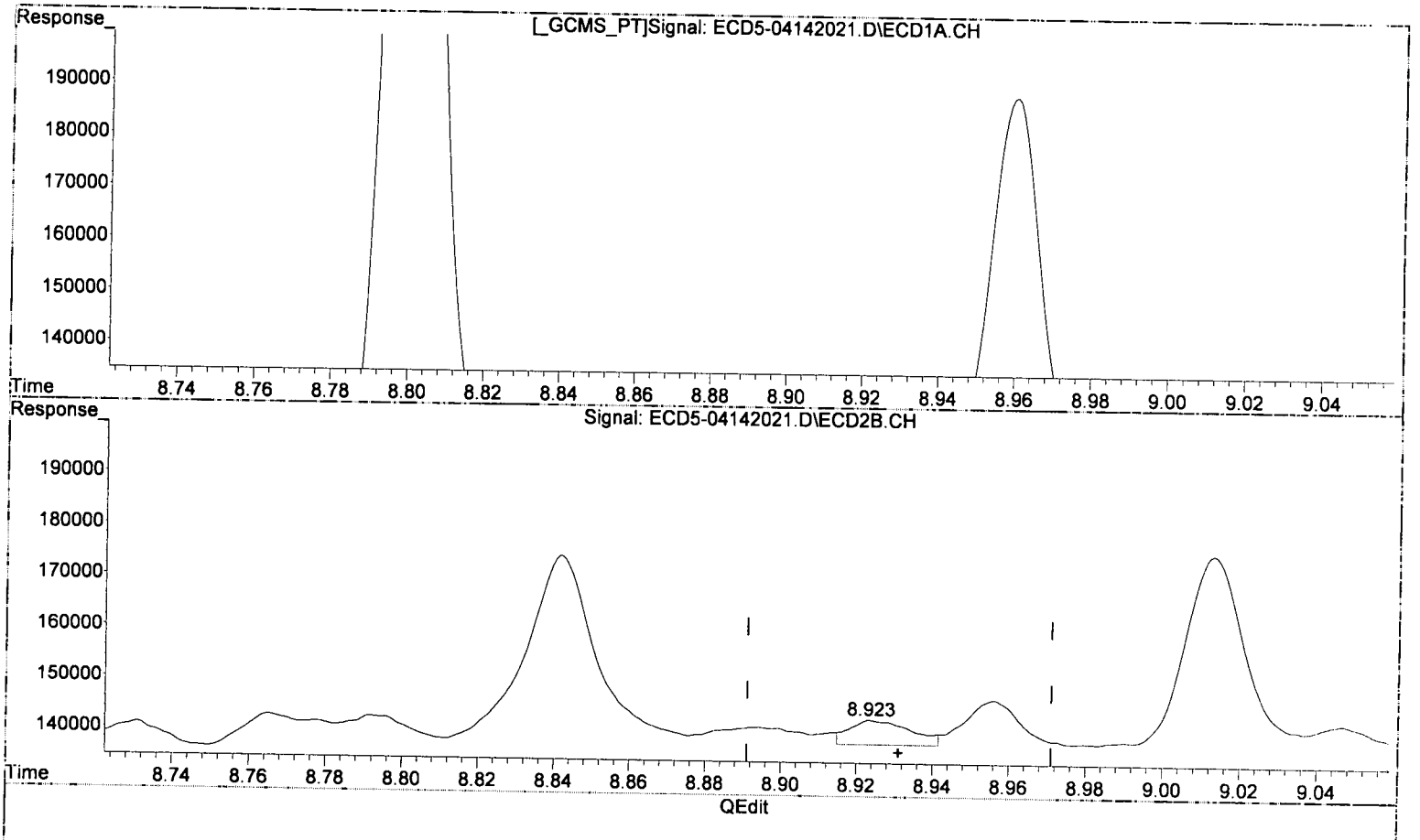


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:14
Operator : MJB
Sample : A0D0205-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

8.157min 0.140 ng/mL

response 19221

MJB 4/15/20

(17) 4,4'-DDT #2

8.923min 0.084 ng/mL (m)

response 4816

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:14
Operator : MJB
Sample : A0D0205-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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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MJB
4/15/2.

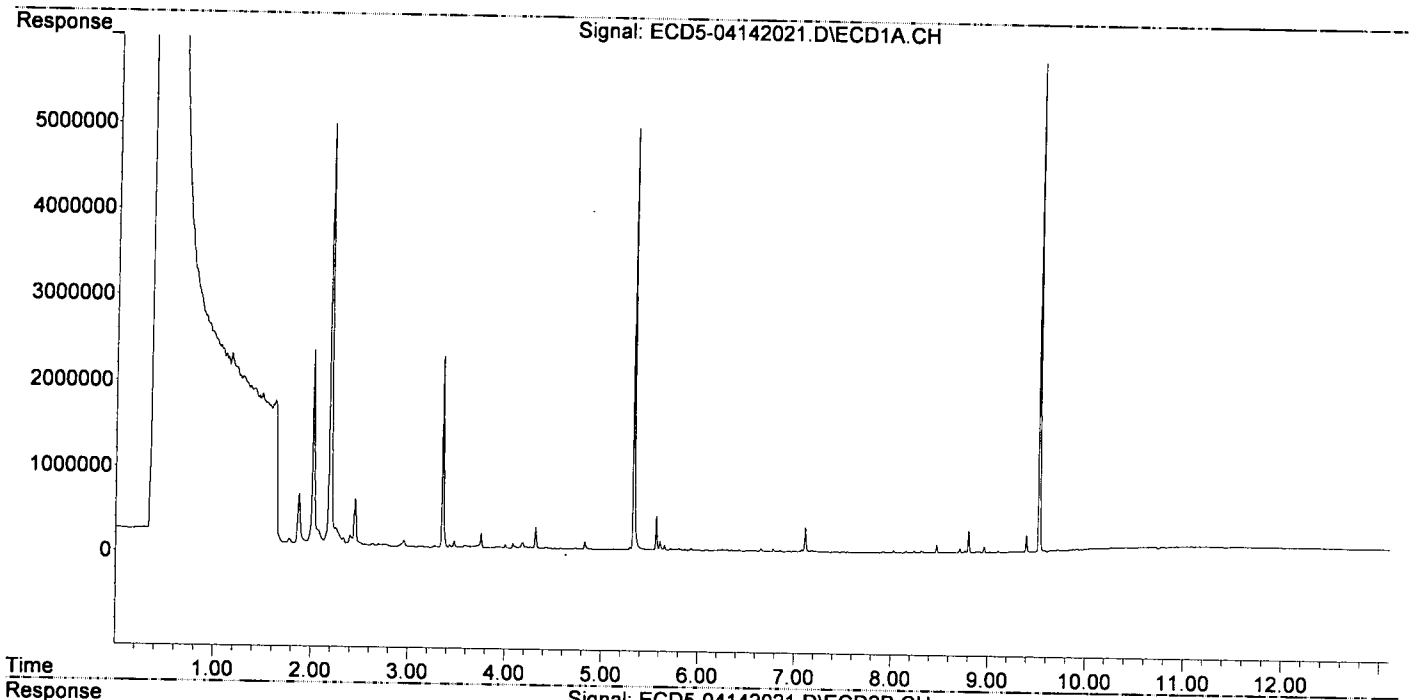
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.330	5.927	4913616	8281426	25.433	28.971	
22)	S DCBP (S)	9.526	10.480	5696641	6763103	38.173	39.823	
	Target Compounds							
2)	a-BHC	5.864	0.000	18046	0	0.069	N.D.	#
3)	g-BHC	6.165	6.817f	8528	633727	0.037	1.791	#
4)	b-BHC	6.217	6.948f	10778	17632	0.113	0.118	
5)	Heptachlor	6.578	7.206f	13703	36191	0.062	0.108	#
6)	d-BHC	6.345f	7.206f	15312	36191	0.078	0.111	#
7)	Aldrin	6.780f	7.508	34877	15021	0.157	0.046	#
8)	Heptachlo...	0.000	7.914	0	357444	N.D.	1.201	#
9)	trans-Chl...	7.338f	8.057	4756	18254	0.023	0.060	#
10)	cis-Chlor...	7.418f	8.201	8229	53638	0.040	0.185	#
11)	Endosulfa...	7.551	8.201f	9123	53638	0.047	0.197	#
12)	4,4'-DDE	7.500f	8.314f	13506	37279	0.069	0.130	#
13)	Dieldrin	0.000	8.419	0	26845	N.D.	0.090	#
14)	Endrin	7.918f	0.000	12295	0	0.072	N.D.	#
15)	4,4'-DDD	7.918f	0.000	12295	0	0.075	N.D.	#
16)	Endosulfa...	8.027f	8.842f	27739	37019	0.166	0.154	
17)	4,4'-DDT	8.157	8.956f	19221	8680	0.140	0.108	
18)	Endrin Al...	8.315f	9.013f	20045	36587	0.137	0.176	#
19)	Endosulfa...	8.641	9.260f	2344	9596	0.014	0.042	#
20)	Methoxychlor	8.471	9.408	94076	146237	1.291	1.670	#
21)	Endrin Ke...	8.849	9.619	4174	30199	0.022	0.121	#
23)	Hexachlor...	3.128	3.593f	12418	4063592	11064.642	11.069	#
24)	Hexachlor...	5.714	6.414	21549	72401	BelowCal	0.018	
25)	Oxychlordane	7.175	7.839f	17323	36596	BelowCal	BelowCal	
26)	2,4'-DDE	0.000	8.057	0	18254	N.D.	BelowCal	
27)	trans-Non...	7.418f	8.146	8229	17090	BelowCal	BelowCal	
28)	2,4'-DDD	7.655	8.419f	3392	26845	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
30)	cis-Nonac...	7.918	0.000	12295	0	BelowCal	N.D.	
31)	Mirex	8.580	9.619	4830	30199	5765.320	BelowCal	#
32)	Chlordane...	7.338f	8.057f	4756	18254	0.204	0.463	#
33)	Chlordane...	7.500f	8.201	13506	53638	0.509	1.638	#
34)	Chlordane...	8.027	8.842	27739	37019	3.816	3.617	
35)	Chlordane...	3.702f	3.699f	29934	91191	NoCal	NoCal	
36)	Toxaphene...	7.500f	8.419f	13506	26845	12.997	9.545	#
37)	Toxaphene...	0.000	8.766f	0	6141	N.D.	1.718	#
38)	Toxaphene...	8.094	8.842	3044	37019	0.747	6.630	#
39)	Toxaphene...	8.315	0.000	20045	0	5.103	N.D.	#
40)	Toxaphene...	8.535	0.000	2019	0	0.658	N.D.	#
41)	Toxaphene...	8.615	9.444	2760	74210	0.689	13.731	#
42)	Toxaphene...	3.702f	3.699f	29934	91191	NoCal	NoCal	

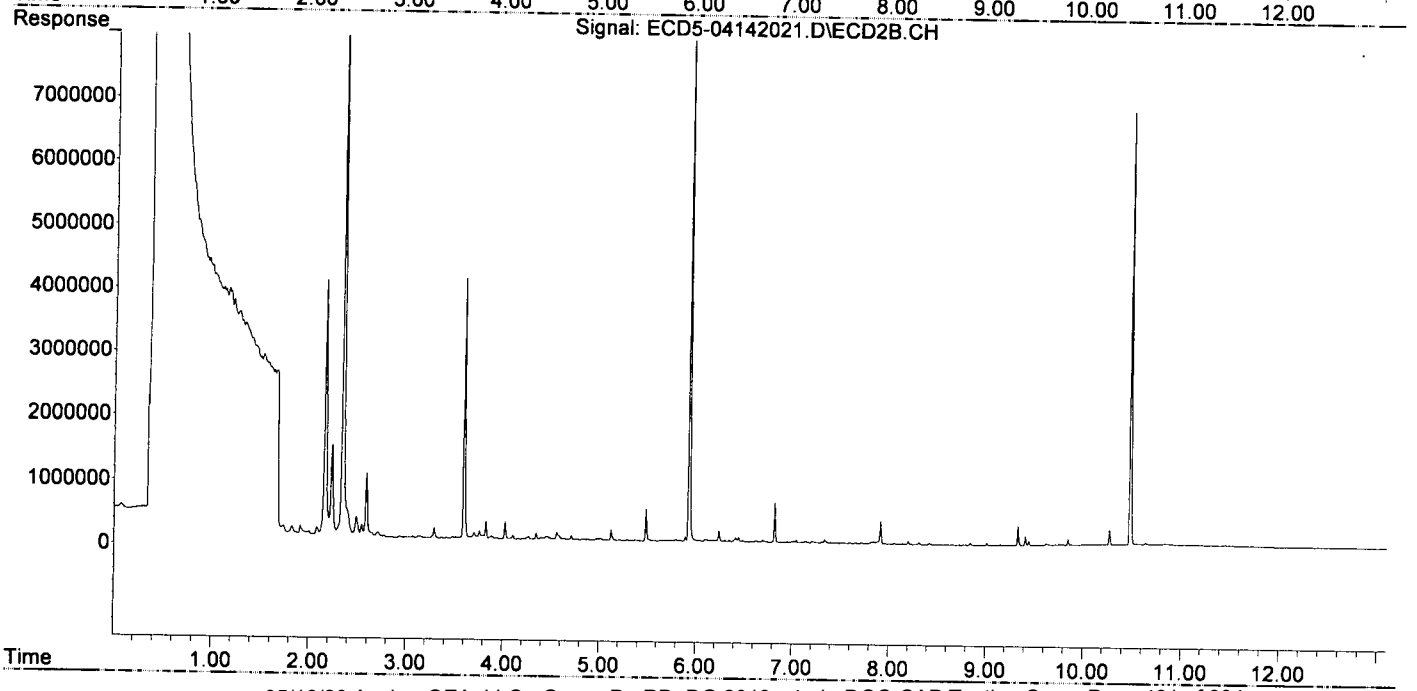
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:14
Operator : MJB
Sample : A0D0205-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:31
Operator : MJB
Sample : A0D0205-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/15/20

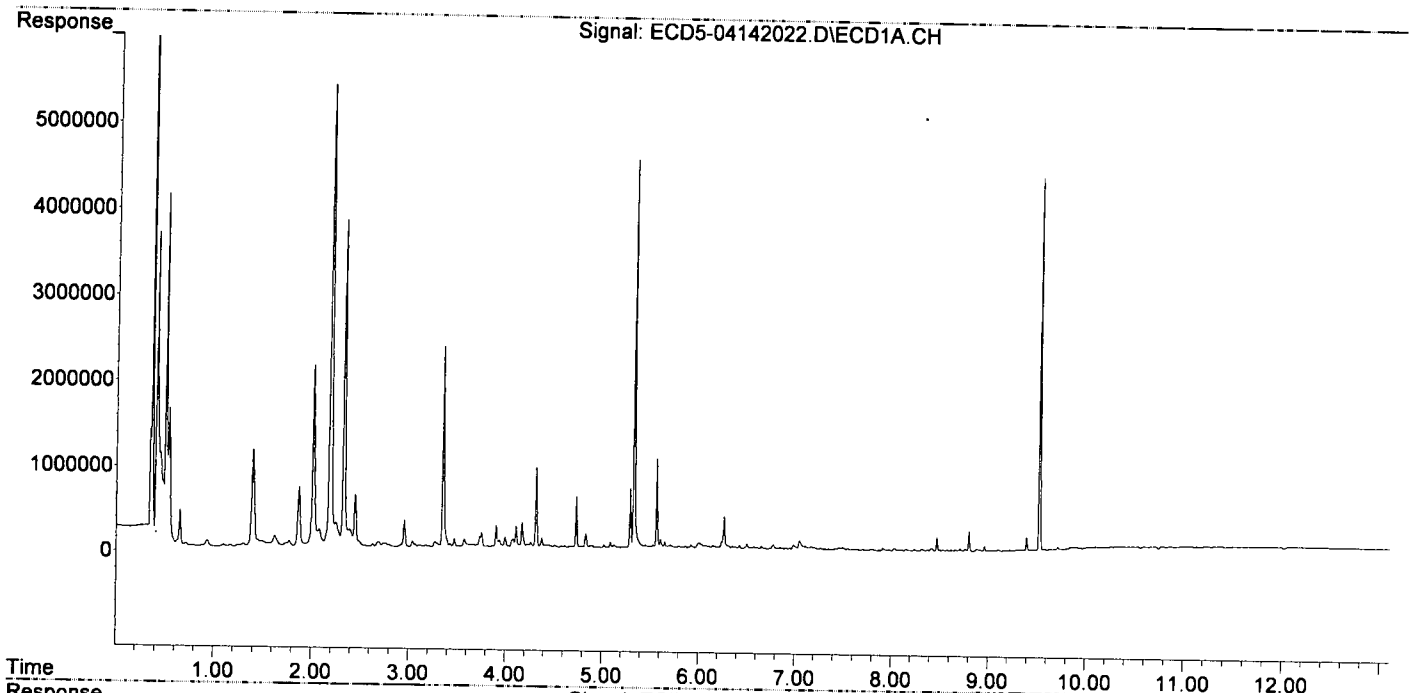
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.330	5.927	4522436	7532169	23.409	26.350	
22)	S	DCBP (S)	9.525	10.480	4359811	5099151	29.178	30.025	
		Target Compounds							
2)		a-BHC	5.866	6.523	43741	76894	0.166	0.190	
3)		g-BHC	6.149	6.846	46000	703235	0.201	1.988	#
4)		b-BHC	6.265f	6.905	384643	91748	4.021	0.612	#
5)		Heptachlor	6.573	7.248	38816	46805	0.174	0.140	
6)		d-BHC	6.380	7.198f	36113	65947	0.185	0.202	
7)		Aldrin	6.776f	7.504	63646	28473	0.287	0.087	#
8)		Heptachlo...	7.262	7.912f	26688	44785	0.130	0.150	
9)		trans-Chl...	7.349	8.090	18728	37268	0.090	0.123	#
10)		cis-Chlor...	7.455	8.201f	35867	76665	0.175	0.264	#
11)		Endosulfa...	7.549	8.234	23592	26770	0.122	0.099	
12)		4,4'-DDE	7.496f	8.312f	38809	39782	0.197	0.139	#
13)		Dieldrin	7.706f	8.413	16018	59678	0.075	0.201	#
14)		Endrin	7.910	8.652	32474	19867	0.190	0.087	#
15)		4,4'-DDD	7.910f	8.726f	32474	16403	0.199	0.068	#
16)		Endosulfa...	8.026f	8.791	33455	14344	0.200	0.060	#
17)		4,4'-DDT	8.155	8.948	24861	25435	0.186	0.212	
18)		Endrin Al...	8.318f	9.054	28613	20884	0.195	0.100	#
19)		Endosulfa...	8.662f	9.254f	18606	21671	0.113	0.095	
20)		Methoxychlor	8.470	9.407	160440	230300	2.322	2.672	
21)		Endrin Ke...	8.800f	9.618	231494	36526	1.212	0.147	#
23)		Hexachlor...	3.148	3.592f	22877	4451812	11064.586	12.142	#
24)		Hexachlor...	5.710	6.395	52546	132002	0.013	0.234	#
25)		Oxychlordane	7.210	0.000	32351	0	BelowCal	N.D.	
26)		2,4'-DDE	7.262	8.052	26688	39259	0.008	0.002	#
27)		trans-Non...	7.455	8.155	35867	42035	BelowCal	BelowCal	
28)		2,4'-DDD	7.652	8.413f	16244	59678	BelowCal	0.093	
29)		2,4'-DDT	7.787f	8.652	17568	19867	BelowCal	BelowCal	
30)		cis-Nonac...	7.910	8.726f	32474	16403	BelowCal	BelowCal	
31)		Mirex	8.578	9.618	19186	36526	5765.210	BelowCal	#
32)		Chlordane...	7.349f	8.090	18728	37268	0.802	0.946	
33)		Chlordane...	7.455	8.201	35867	76665	1.351	2.341	#
34)		Chlordane...	8.026	8.840	33455	36294	4.602	3.547	
35)		Chlordane...	3.670	3.663	39613	159427	NoCal	NoCal	
36)		Toxaphene...	7.455	8.413f	35867	59678	34.515	21.220	#
37)		Toxaphene...	7.787f	8.791	17568	14344	6.909	4.013	#
38)		Toxaphene...	8.079	8.840	13822	36294	3.391	6.500	#
39)		Toxaphene...	8.318	8.893	28613	9949	7.284	BelowCal	#
40)		Toxaphene...	8.531	9.054	16333	20884	5.325	4.226	
41)		Toxaphene...	8.614	9.443	16106	41018	4.021	7.590	#
42)		Toxaphene...	3.670	3.663	39613	159427	NoCal	NoCal	

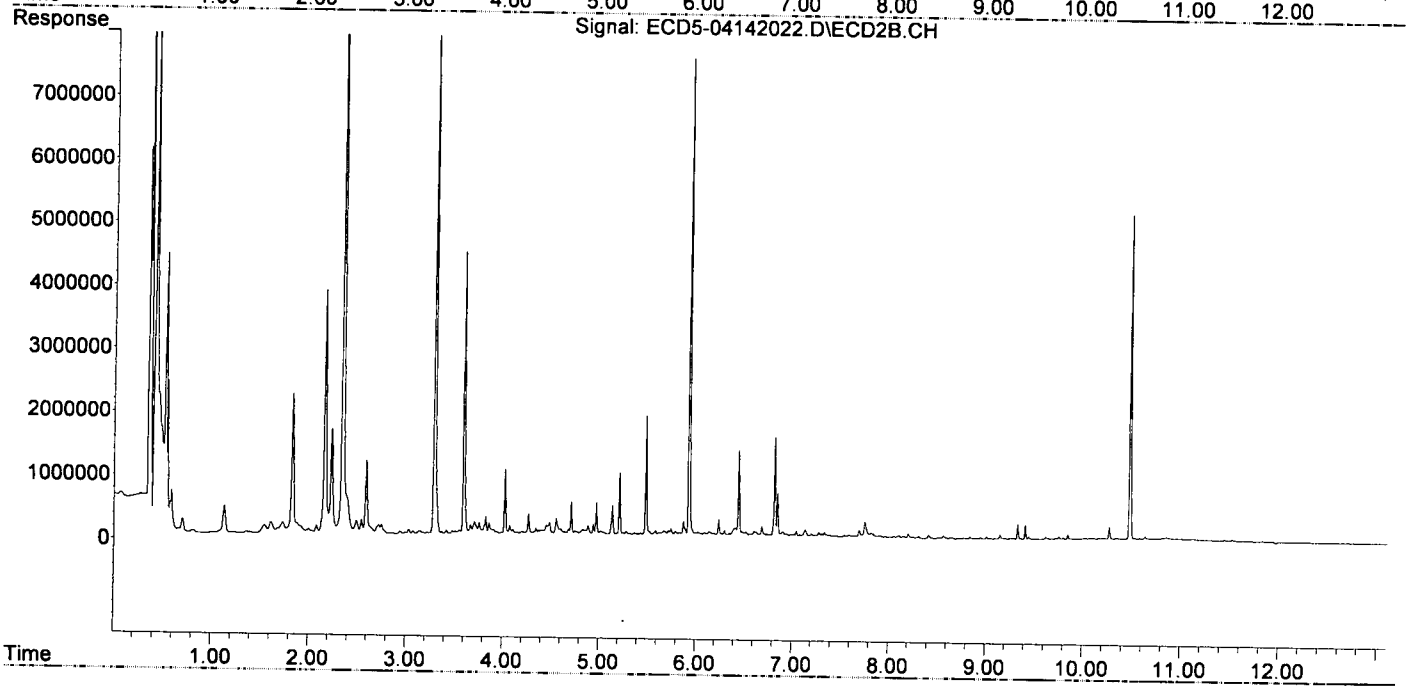
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:31
Operator : MJB
Sample : A0D0205-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:48
Operator : MJB
Sample : 0D14043-CCV5
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:59 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJP 4/15/20

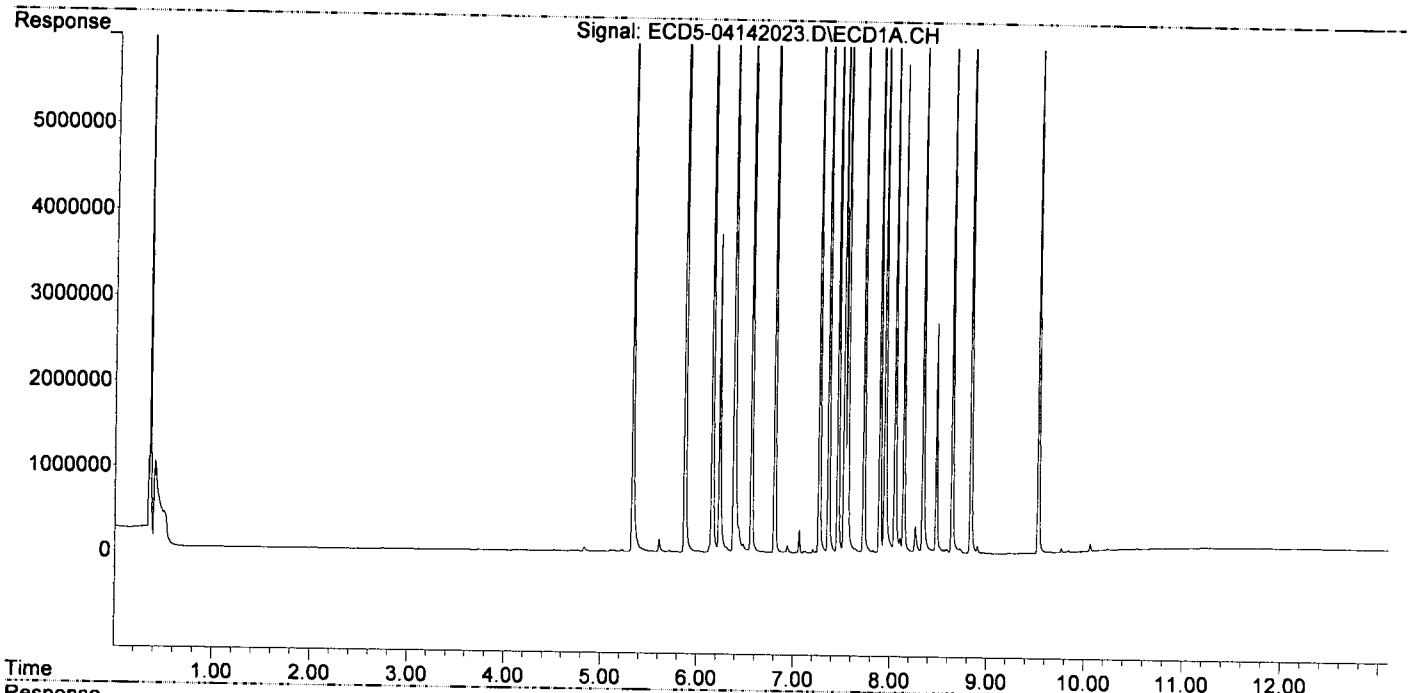
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.330	5.927	8543698	14485516	44.223	50.675	
22)	S	DCBP (S)	9.528	10.480	7232682	9215268	48.505	54.262	
		Target Compounds							
2)		a-BHC	5.869	6.536	12630802	22702402	47.992	56.027	
3)		g-BHC	6.152	6.854	10855739	19502552	47.458	55.128	
4)		b-BHC	6.229	6.918	3723399	7777951	38.919	51.841	#
5)		Heptachlor	6.561	7.227	10749557	18685497	48.251	55.753	
6)		d-BHC	6.379	7.174	7570917	17991043	38.800	55.094	#
7)		Aldrin	6.801	7.493	10919140	17848207	49.180	54.770	
8)		Heptachlo...	7.263	7.932	9728018	15680432	47.466	52.681	
9)		trans-Chl...	7.359	8.071	9968692	15960656	47.820	52.684	
10)		cis-Chlor...	7.456	8.179	9717805	15775328	47.454	54.365	
11)		Endosulfa...	7.553	8.229	9209809	14477295	47.636	53.281	
12)		4,4'-DDE	7.520	8.288	8603035	15813461	43.646	55.226	#
13)		Dieldrin	7.725	8.430	10514897	16822268	49.491	56.543	
14)		Endrin	7.889	8.657	7972514	12378948	46.642	54.061	
15)		4,4'-DDD	7.942	8.703	7498595	13584623	45.882	56.458	
16)		Endosulfa...	8.046	8.805	7670950	12646595	45.784	52.716	
17)		4,4'-DDT	8.138	8.930	5691200	9978466	43.390	53.257	
18)		Endrin Al...	8.337	9.042	6668276	10861545	45.557	52.218	
19)		Endosulfa...	8.638	9.232	7578878	12311296	46.090	54.069	
20)		Methoxychlor	8.475	9.409	2702583	4993288	40.127	53.378	#
21)		Endrin Ke...	8.831	9.632	9300741	14584382	48.703	58.497	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.712	0.000	19864	0	BelowCal	N.D.	
25)		Oxychlordane	7.199	7.894f	48522	10378	0.030	BelowCal	#
26)		2,4'-DDE	7.263	8.071	9728018	15960656	78.584	81.177	
27)		trans-Non...	7.456	8.132	9717805	57939	51.211	BelowCal	#
28)		2,4'-DDD	7.639	8.430	55119	16822268	0.240	95.986	#
29)		2,4'-DDT	7.822	8.657	35820	12378948	0.159	76.443	#
30)		cis-Nonac...	7.942f	8.703	7498595	13584623	36.589	44.887	
31)		Mirex	8.587	9.632	53405	14584382	0.007	81.268	#
32)		Chlordane...	7.359	8.071	9968692	15960656	427.069	405.050	
33)		Chlordane...	7.456	8.179	9717805	15775328	365.987	481.708	#
34)		Chlordane...	8.046f	8.890f	7670950	69342	1055.201	6.776	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.456	8.430	9717805	16822268	9351.317	5981.491	#
37)		Toxaphene...	7.725f	8.805	10514897	12646595	BelowCal	3538.374	
38)		Toxaphene...	8.101f	8.805f	179425	12646595	44.014	2264.985	#
39)		Toxaphene...	8.337	8.890	6668276	69342	1697.569	4.172	#
40)		Toxaphene...	8.555	9.042f	40020	10861545	13.047	2197.948	#
41)		Toxaphene...	8.587f	0.000	53405	0	13.332	N.D.	#
42)		Toxaphene...	0.000	3.707f	0	10502	N.D.	NoCal	

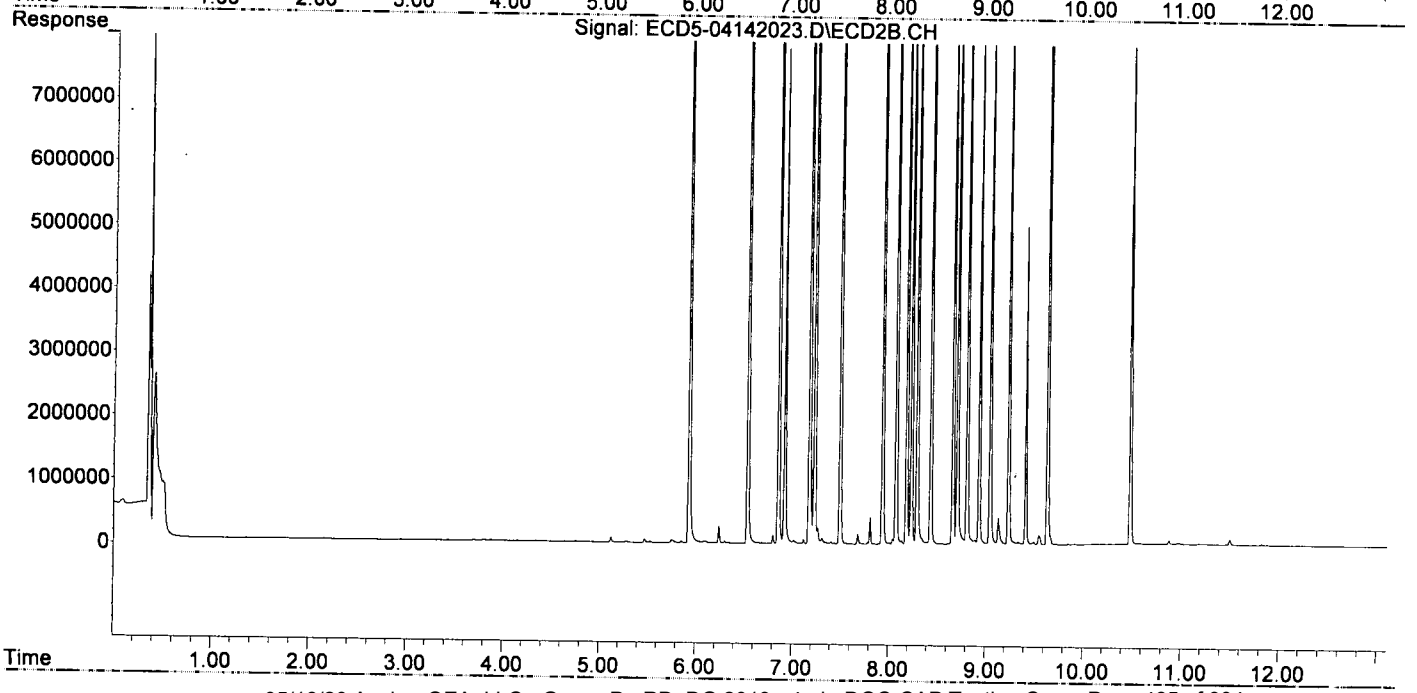
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 17:48
Operator : MJB
Sample : 0D14043-CCV5
Misc : A20C183, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:24:59 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 18:06
Operator : MJB
Sample : 0D14043-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:25:03 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/15/20

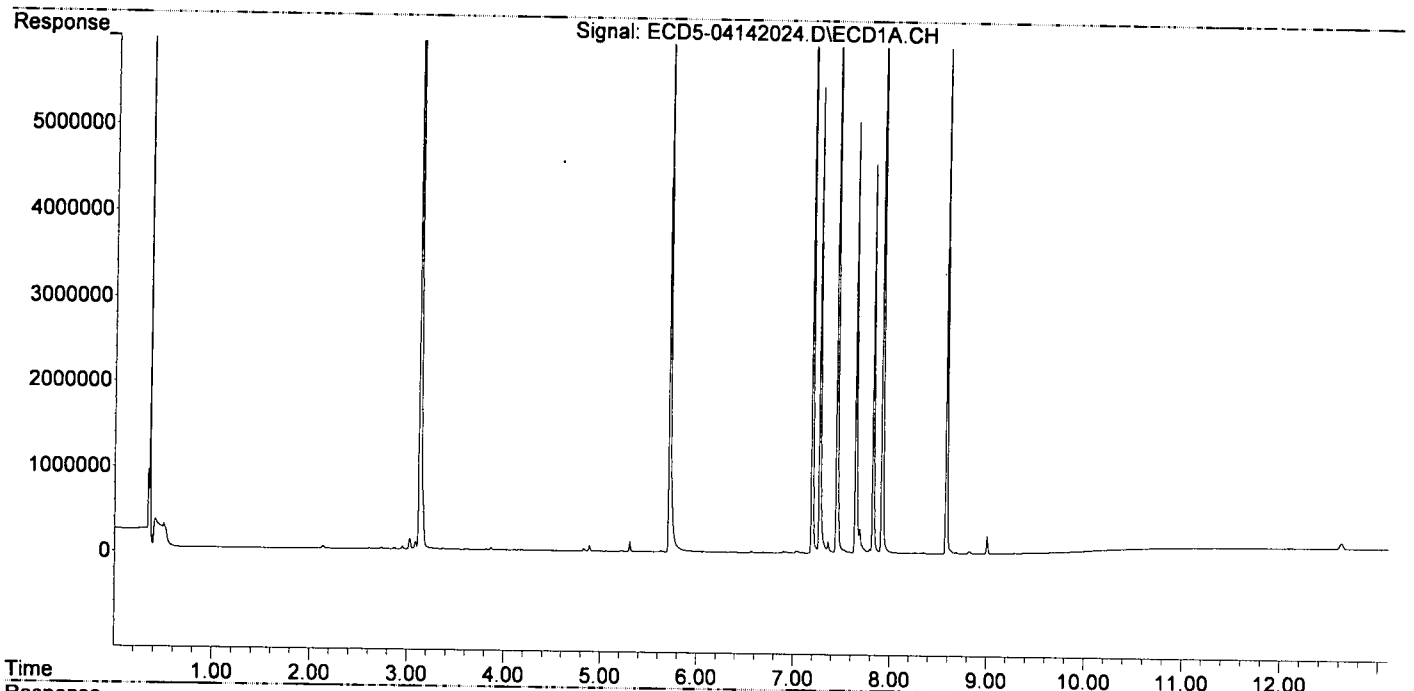
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.303f	5.937	126140	20047	0.653	0.070	#
22)	S	DCBP (S)	9.528	10.479	7819	4252	BelowCal	0.025	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	6.126f	0.000	3456	0	0.015	N.D.	#
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	6.561	7.227	22554	39133	0.101	0.117	
6)		d-BHC	6.387	7.175	4556	10908	0.023	0.033	#
7)		Aldrin	0.000	7.511	0	15737	N.D.	0.048	#
8)		Heptachlo...	7.269	7.973f	5448256	75713	26.583	0.254	#
9)		trans-Chl...	7.359	8.066	140787	9670549	0.675	31.921	#
10)		cis-Chlor...	7.447	8.178	9228264	595737	45.063	2.053	#
11)		Endosulfa...	7.578f	8.243	18064	25352	0.093	0.093	
12)		4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)		Dieldrin	7.687f	8.439	290054	8907726	1.365	29.941	#
14)		Endrin	7.917f	8.663	9687836	7841430	56.677	34.245	#
15)		4,4'-DDD	7.917f	8.701	9687836	16038935	59.278	66.658	
16)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)		4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)		Endrin Al...	8.344	9.043	12155	15547	0.083	0.075	
19)		Endosulfa...	0.000	9.232	0	15589	N.D.	0.068	#
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	8.822	9.622	29807	9256795	0.156	37.128	#
23)		Hexachlor...	3.128	3.616	9780682	19453321	52.148	52.895	
24)		Hexachlor...	5.712	6.395	7561235	13732597	41.390	47.678	
25)		Oxychlordane	7.192	7.860	7983067	13223514	46.982	51.639	
26)		2,4'-DDE	7.269	8.066	5448256	9670549	44.419	50.600	
27)		trans-Non...	7.447	8.135	9228264	14508960	48.636	50.688	
28)		2,4'-DDD	7.642	8.439	5025979	8907726	46.644	52.618	
29)		2,4'-DDT	7.823	8.663	4528858	7841430	43.500	50.773	
30)		cis-Nonac...	7.917	8.701	9687836	16038935	47.217	52.625	
31)		Mirex	8.582	9.622	6384670	9256795	48.787	52.454	
32)		Chlordane...	7.359	8.066f	140787	9670549	6.031	245.419	#
33)		Chlordane...	7.447f	8.178	9228264	595737	347.550	18.191	#
34)		Chlordane...	0.000	8.850	0	17630	N.D.	1.723	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.447f	8.439	9228264	8907726	8880.238	3167.319	#
37)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)		Toxaphene...	0.000	8.850f	0	17630	N.D.	3.158	#
39)		Toxaphene...	8.344f	0.000	12155	0	3.094	N.D.	#
40)		Toxaphene...	8.582f	9.043f	6384670	15547	2081.403	3.146	#
41)		Toxaphene...	8.582f	0.000	6384670	0	1593.897	N.D.	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

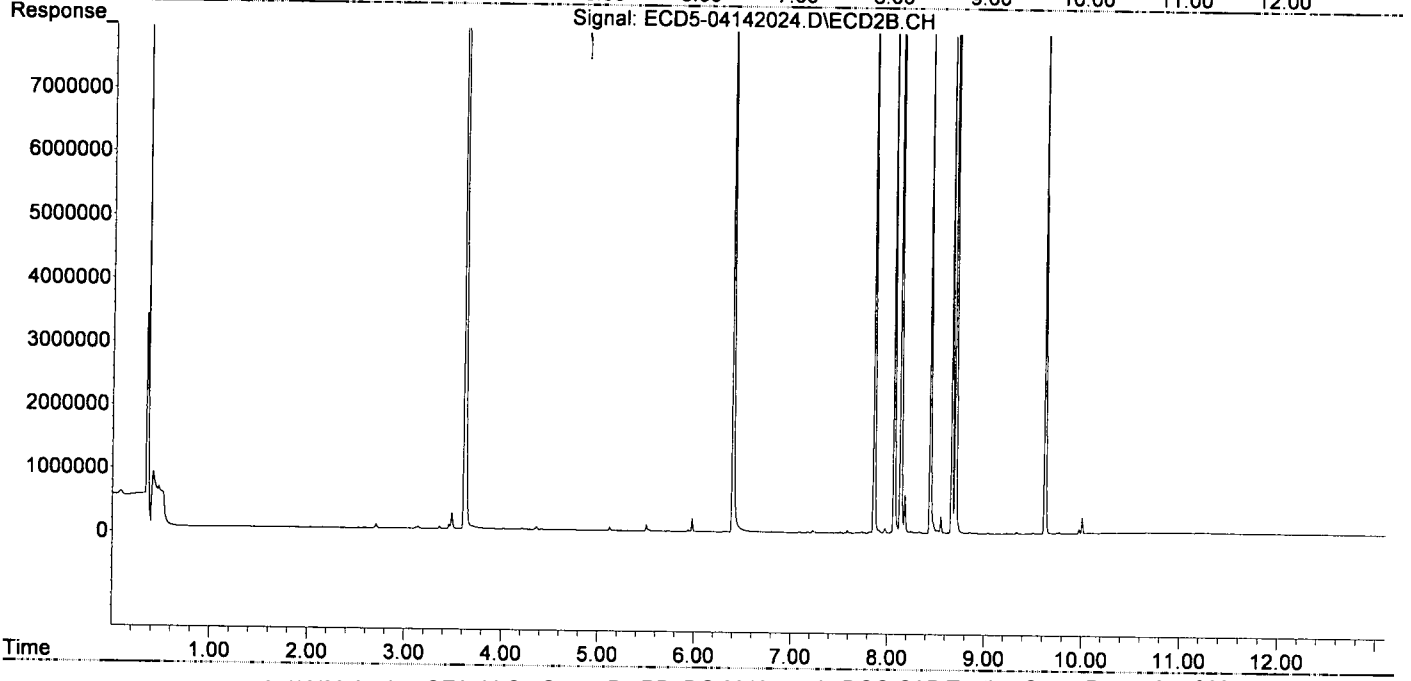
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 18:06
Operator : MJB
Sample : 0D14043-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:25:03 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-04\0D14043\
Data File : ECD5-04142025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 18:23
Operator : MJB
Sample : 0D14043-CCB3
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:25:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 4/15/20

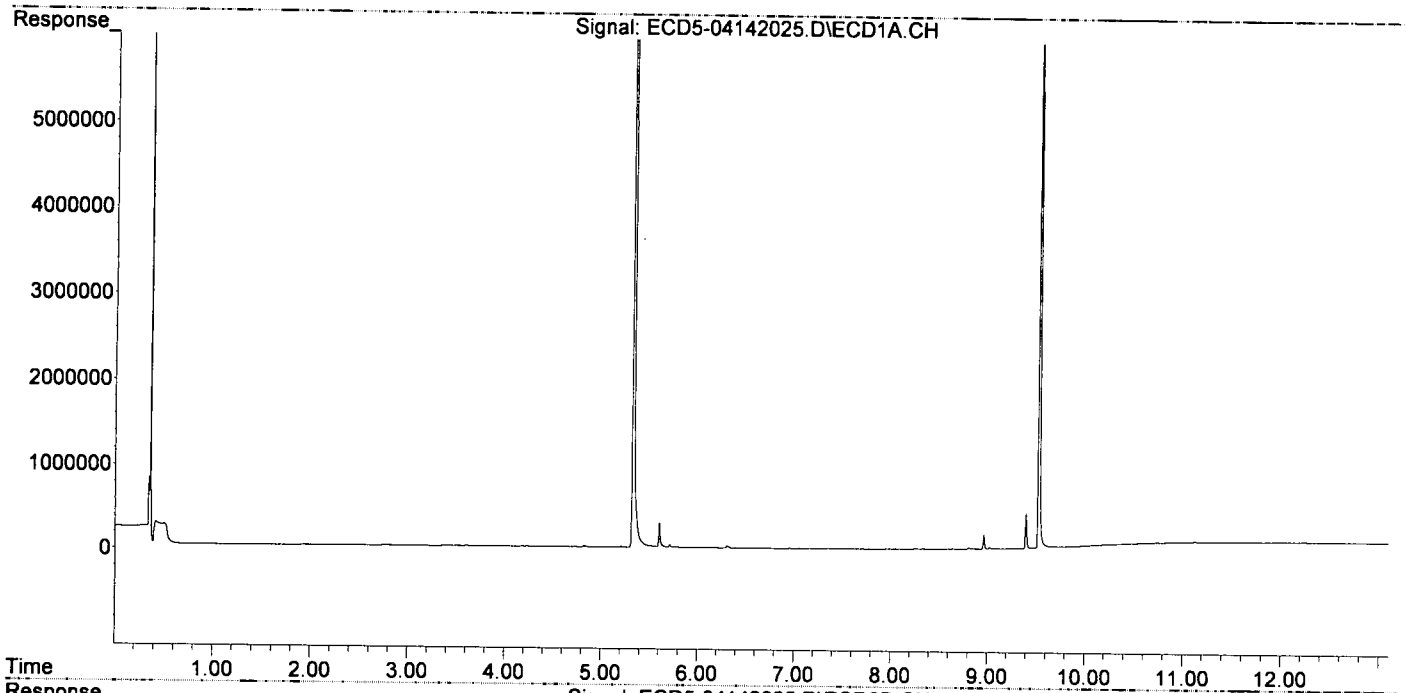
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.330	5.928	16649122	29737982	86.178	104.034	
22)	S DCBP (S)	9.528	10.480	13126298	16459765	88.114	96.920	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	7.194f	0	7714	N.D.	0.023	#
6)	d-BHC	0.000	7.176	0	8461	N.D.	0.026	#
7)	Aldrin	0.000	7.511	0	11704	N.D.	0.036	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.354	0.000	5193	0	0.025	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	7.708	0.000	3137	0	0.015	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...	8.051	8.805	3381	6231	0.020	0.026	#
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.339	9.041	7195	9617	0.049	0.046	
19)	Endosulfa...	8.641	9.232	5927	11009	0.036	0.048	#
20)	Methoxychlor	8.485	0.000	2048	0	BelowCal	N.D.	
21)	Endrin Ke...	8.809f	9.629	16629	10636	0.087	0.043	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.712	0.000	34354	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	7.836f	0	5122	N.D.	BelowCal	
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.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.587	9.629	3383	10636	5765.331	BelowCal	#
32)	Chlordane...	7.354f	0.000	5193	0	0.222	N.D.	#
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
34)	Chlordane...	8.051f	8.850	3381	21527	0.465	2.104	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	0.000	8.805	0	6231	N.D.	1.743	#
38)	Toxaphene...	8.051f	8.805f	3381	6231	0.829	1.116	#
39)	Toxaphene...	8.339f	0.000	7195	0	1.832	N.D.	#
40)	Toxaphene...	8.515f	9.041f	2064	9617	0.673	1.946	#
41)	Toxaphene...	8.587f	9.482f	3383	5692	0.845	1.053	
42)	Toxaphene...	0.000	3.706f	0	10557	N.D.	NoCal	

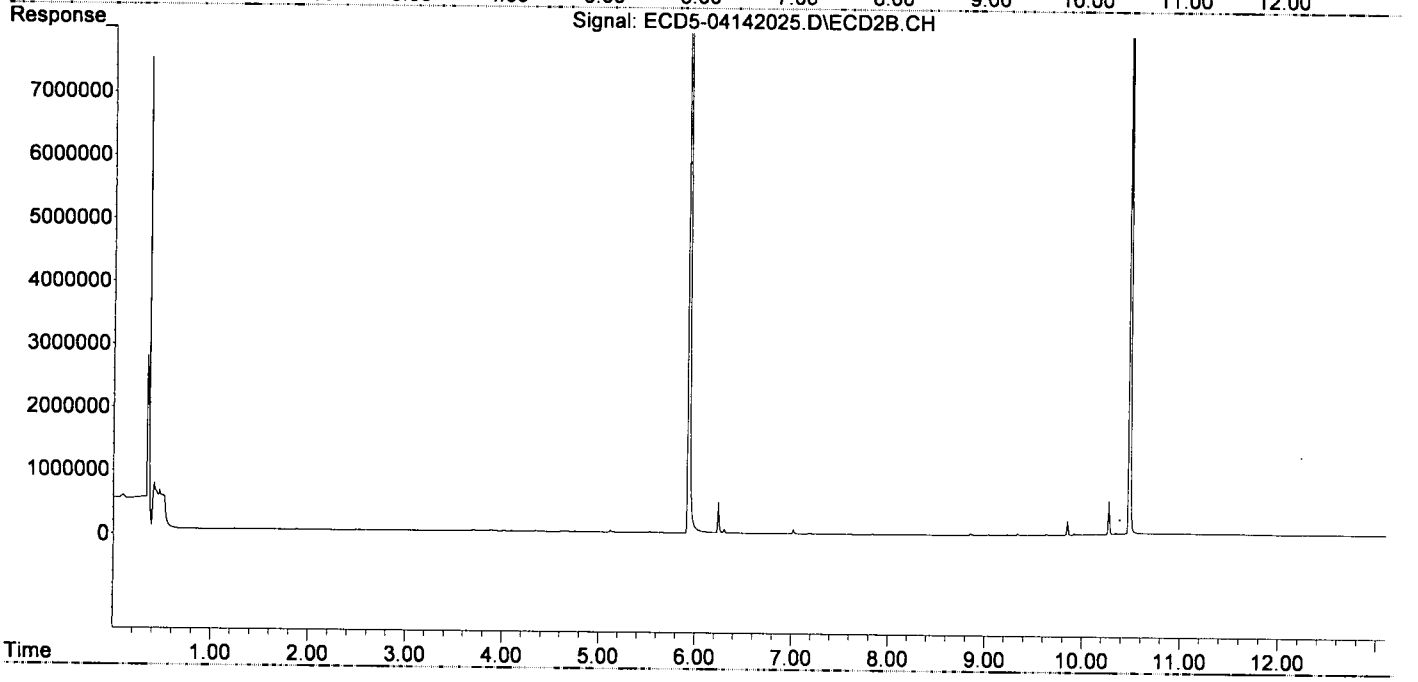
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-04\0D14043\
Data File : ECD5-04142025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Apr 2020 18:23
Operator : MJB
Sample : 0D14043-CCB3
Misc : A20C404
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 15 11:25:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um





APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Organochloride Pesticides by EPA 8081B
Calibration Data

Sequence 0C24036 (Cal ID A0C2504) DualECD5

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0C24036** Instrument: **DUALECD5**

Date: **03/24/20 12:02** Calibration: **A0C2504**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0C24036-BKD1/2	Water	QC MB 3/25/20	QC				A20C091
2	0C24036-ICB1	Water	QC	QC				A20B383
3	0C24036-CAL1	Water	QC	QC				A20C398
4	0C24036-CAL2	Water	QC	QC				A20C178
5	0C24036-CAL3	Water	QC	QC				A20C179
6	0C24036-CAL4	Water	QC	QC				A20C180
7	0C24036-CAL5	Water	QC	QC				A20C181
8	0C24036-CAL6	Water	QC	QC				A20C182
9	0C24036-CAL7	Water	QC	QC				A20C183
10	0C24036-CAL8	Water	QC	QC				A20C184
11	0C24036-CAL9	Water	QC	QC				A20C177
12	0C24036-IBL1	Water	QC	QC				
13	0C24036-ICV1	Water	QC	QC				A20C164
14	0C24036-CALA	Water	QC	QC				A20C399
15	0C24036-CALB	Water	QC	QC				A20C353
16	0C24036-CALC	Water	QC	QC				A20C354
17	0C24036-CALD	Water	QC	QC				A20C355
18	0C24036-CALE	Water	QC	QC				A20C356
19	0C24036-CALF	Water	QC	QC				A20C357
20	0C24036-CALG	Water	QC	QC				A20C358
21	0C24036-CALH	Water	QC	QC				A20C359
22	0C24036-CALI	Water	QC	QC				A20C352
23	0C24036-IBL2	Water	QC	QC				
24	0C24036-ICV2	Water	QC	QC				A20C360
25	0C24036-CALJ	Water	QC	QC				A20C400
26	0C24036-CALK	Water	QC	QC				A19K307
27	0C24036-CALL	Water	QC	QC				A19K308
28	0C24036-CALM	Water	QC	QC				A19K309
29	0C24036-CALN	Water	QC	QC				A19K310
30	0C24036-CALO	Water	QC	QC				A19K311
31	0C24036-CALP	Water	QC	QC				A19K306
32	0C24036-IBL3	Water	QC	QC				
33	0C24036-ICV3	Water	QC	QC				A19K312
34	0C24036-CALQ	Water	QC	QC				A20C401
35	0C24036-CALR	Water	QC	QC				A19J417
36	0C24036-CALS	Water	QC	QC				A19J418
37	0C24036-CALT	Water	QC	QC				A19J419
38	0C24036-CALU	Water	QC	QC				A19J420
39	0C24036-CALV	Water	QC	QC				A19J421
40	0C24036-CALW	Water	QC	QC				A19J416
41	0C24036-IBL4	Water	QC	QC				
42	0C24036-ICV4	Water	QC	QC				A19J422

Data Entered By: MB 3/25/20

Comments: ICPL

Data Reviewed By: MB 3/30/20

Calibration Status Report DUALECD5

Method Path : C:\msdchem\1\methods\
Method File : ECD5_QUANTPEST_200324.M
Title : Instrument: DualECD5
Last Update : Wed Mar 25 12:47:54 2020
Response Via : Initial Calibration

AOC2504

MJB 3/25/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242040.D
2	2	50	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242041.D
3	3	100	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242042.D
4	4	200	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242043.D
5	5	500	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242044.D
6	6	1000	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242045.D
7	7	2000	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242046.D
8	8	-1	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242027.D
9	9	-1	0	C:\msdchem\1\data\2020-03\0C24036\ECD5-03242028.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Mar 25 12:47 2020	Mar 25 12:41 2020	24 Mar 2020 23:39
2	2	Mar 25 12:47 2020	Mar 25 12:42 2020	24 Mar 2020 23:56
3	3	Mar 25 12:47 2020	Mar 25 12:42 2020	25 Mar 2020 0:13
4	4	Mar 25 12:47 2020	Mar 25 12:43 2020	25 Mar 2020 0:31
5	5	Mar 25 12:47 2020	Mar 25 12:40 2020	25 Mar 2020 0:48
6	6	Mar 25 12:47 2020	Mar 25 12:43 2020	25 Mar 2020 1:05
7	7	Mar 25 12:47 2020	Mar 25 12:44 2020	25 Mar 2020 1:22
8	8	Mar 25 12:45 2020	Mar 25 12:31 2020	24 Mar 2020 19:57
9	9	Mar 25 12:45 2020	Mar 25 12:32 2020	24 Mar 2020 20:14

ECD5_QUANTPEST_200324.M Wed Mar 25 15:06:34 2020

Calibration Report DUALECD5

Method Path : C:\msdchem\1\methods\
Method File : ECD5_QUANTPEST_200324.M
Title : Instrument: DualECD5
Last Update : Wed Mar 25 12:47:54 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD5-03242040 2 =ECD5-03242041 3 =ECD5-03242042 4 =ECD5-03242043 5 =ECD5-03
6 =ECD5-03242045 7 =ECD5-03242046 8 =ECD5-03242027 9 =ECD5-03242028

MJB 3/27/20

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCMX (S)	Avg	-----	1.9319 e5	-----	0.0683
2)		a-BHC	Avg	-----	2.6319 e5	-----	0.0260
3)		g-BHC	Avg	-----	2.2875 e5	-----	0.0298
4)		b-BHC	Avg	-----	9.5670 e4	-----	0.0880
5)		Heptachlor	Avg	-----	2.2278 e5	-----	0.0620
6)		d-BHC	Avg	-----	1.9512 e5	-----	0.0627
7)		Aldrin	Avg	-----	2.2202 e5	-----	0.0322
8)		Heptachlor Expoxide	Avg	-----	2.0495 e5	-----	0.0750
9)		trans-Chlordane	Avg	-----	2.0846 e5	-----	0.0591
10)		cis-Chlordane	Avg	-----	2.0479 e5	-----	0.0839
11)		Endosulfan I	Avg	-----	1.9334 e5	-----	0.0617
12)		4,4'-DDE	Avg	-----	1.9711 e5	-----	0.0418
13)		Dieldrin	Avg	-----	2.1246 e5	-----	0.0420
14)		Endrin	Avg	-----	1.7093 e5	-----	0.0601
15)		4,4'-DDD	Avg	-----	1.6343 e5	-----	0.0583
16)		Endosulfan II	Avg	-----	1.6755 e5	-----	0.0681
17)		4,4'-DDT	Quad	2.1705 e3	1.2179 e5	2.1492 e2	0.9985
18)		Endrin Aldehyde	Avg	-----	1.4637 e5	-----	0.0827
19)		Endosulfan Sulfate	Avg	-----	1.6444 e5	-----	0.0882
20)		Methoxychlor	Quad	1.1200 e4	6.4109 e4	7.3837 e1	0.9969
21)		Endrin Ketone	Avg	-----	1.9097 e5	-----	0.0935
22)	S	DCBP (S)	Quad	2.6503 e4	1.4844 e5	2.6093	0.9977
23)		Hexachlorobutadiene	Quad	4.9956 e4	1.8748 e5	-1.6945 e1	0.9971
24)		Hexachlorobenzene	Quad	5.0142 e4	1.8031 e5	2.7949 e1	0.9974
25)		Oxychlordane	Quad	4.3412 e4	1.6869 e5	6.3885	0.9975
26)		2,4'-DDE	Quad	2.5743 e4	1.2027 e5	4.0593 e1	0.9981
27)		trans-Nonachlor	Quad	4.8572 e4	1.8747 e5	2.6143 e1	0.9981
28)		2,4'-DDD	Quad	2.9745 e4	1.0588 e5	2.6404 e1	0.9966
29)		2,4'-DDT	Quad	2.0096 e4	9.9122 e4	1.0409 e2	0.9974
30)		cis-Nonachlor	Quad	4.6622 e4	2.0186 e5	4.9307 e1	0.9977
31)		Mirex	Quad	5.2543 e4	1.3090 e5	-2.2706 e1	0.9940
32)		Chlordane (1)	Avg	-----	2.3342 e4	-----	0.0475
33)		Chlordane (2)	Avg	-----	2.6552 e4	-----	0.0409
34)		Chlordane (3)	Avg	-----	7.2697 e3	-----	0.0474
35)		Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)		Toxaphene (1)	Avg	-----	1.0392 e3	-----	0.0926
37)		Toxaphene (2)	Quad	4.5805 e3	1.8805 e3	-0.1124	0.9965
38)		Toxaphene (3)	Avg	-----	4.0766 e3	-----	0.0932
39)		Toxaphene (4)	Avg	-----	3.9281 e3	-----	0.1041
40)		Toxaphene (5)	Avg	-----	3.0675 e3	-----	0.0636
41)		Toxaphene (6)	Avg	-----	4.0057 e3	-----	0.0782
42)		Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCMX (S)	Avg	-----	2.8585 e5	-----	0.0795
2)		a-BHC	Avg	-----	4.0520 e5	-----	0.0815
3)		g-BHC	Avg	-----	3.5377 e5	-----	0.0660
4)		b-BHC	Avg	-----	1.5003 e5	-----	0.0774
5)		Heptachlor	Avg	-----	3.3515 e5	-----	0.0642
6)		d-BHC	Avg	-----	3.2655 e5	-----	0.0952
7)		Aldrin	Avg	-----	3.2588 e5	-----	0.0617

8)		Heptachlor Expoxide	Avg	-----	2.9765 e5	-----	0.0561
9)		trans-Chlordane	Avg	-----	3.0295 e5	-----	0.0625
10)		cis-Chlordane	Avg	-----	2.9017 e5	-----	0.0562
11)		Endosulfan I	Avg	-----	2.7172 e5	-----	0.0584
12)		4,4'-DDE	Avg	-----	2.8634 e5	-----	0.0828
13)		Dieldrin	Avg	-----	2.9751 e5	-----	0.0683
14)		Endrin	Avg	-----	2.2898 e5	-----	0.0847
15)		4,4'-DDD	Avg	-----	2.4061 e5	-----	0.0781
16)		Endosulfan II	Avg	-----	2.3990 e5	-----	0.0779
17)		4,4'-DDT	Quad	-8.6902 e3	1.6076 e5	5.0266 e2	0.9973
18)		Endrin Aldehyde	Avg	-----	2.0800 e5	-----	0.0621
19)		Endosulfan Sulfate	Avg	-----	2.2769 e5	-----	0.0738
20)		Methoxychlor	Quad	7.0046 e3	8.3047 e4	1.9422 e2	0.9983
21)		Endrin Ketone	Avg	-----	2.4932 e5	-----	0.0804
22)	S	DCBP (S)	Avg	-----	1.6983 e5	-----	0.0673
23)		Hexachlorobutadiene	Quad	7.9613 e4	3.5824 e5	1.5178 e2	0.9982
24)		Hexachlorobenzene	Quad	6.7385 e4	2.7595 e5	2.2369 e2	0.9991
25)		Oxychlordane	Quad	6.5358 e4	2.4251 e5	2.3825 e2	0.9975
26)		2,4'-DDE	Quad	3.8818 e4	1.8078 e5	1.8923 e2	0.9980
27)		trans-Nonachlor	Quad	6.5292 e4	2.7098 e5	2.7573 e2	0.9983
28)		2,4'-DDD	Quad	4.4671 e4	1.6074 e5	1.4638 e2	0.9978
29)		2,4'-DDT	Quad	2.5879 e4	1.3876 e5	2.9876 e2	0.9989
30)		cis-Nonachlor	Quad	6.1790 e4	2.8768 e5	3.0253 e2	0.9988
31)		Mirex	Quad	7.5544 e4	1.6867 e5	1.2131 e2	0.9979
32)		Chlordane (1)	Avg	-----	3.9404 e4	-----	0.0724
33)		Chlordane (2)	Avg	-----	3.2749 e4	-----	0.0644
34)		Chlordane (3)	Avg	-----	1.0233 e4	-----	0.0773
35)		Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)		Toxaphene (1)	Avg	-----	2.8124 e3	-----	0.0840
37)		Toxaphene (2)	Avg	-----	3.5741 e3	-----	0.0639
38)		Toxaphene (3)	Avg	-----	5.5835 e3	-----	0.0852
39)		Toxaphene (4)	Quad	3.5387 e4	8.1369 e3	0.5677	0.9989
40)		Toxaphene (5)	Avg	-----	4.9417 e3	-----	0.0682
41)		Toxaphene (6)	Avg	-----	5.4045 e3	-----	0.0756
42)		Toxaphene - AVE	Avg	-----	-----	-----	0.0000

ECD5_QUANTPEST_200324.M Wed Mar 25 15:06:51 2020

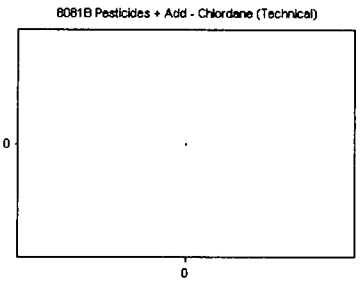
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

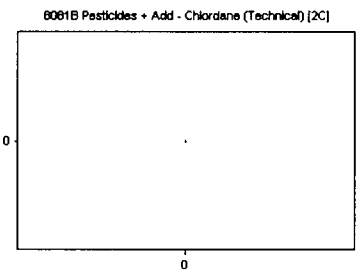


Standard	Concentration	Response	Response Factor	RT
~~0C24036-CALJ~~	~~10~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALK~~	~~50~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALL~~	~~100~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALM~~	~~200~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALN~~	~~500~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALO~~	~~1000~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-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**

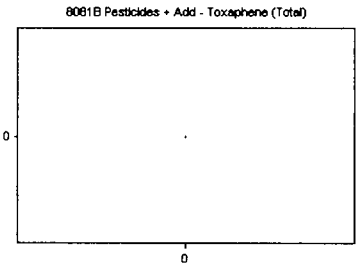


Standard	Concentration	Response	Response Factor	RT
~~0C24036-CALJ~~	~~10~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALK~~	~~50~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALL~~	~~100~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALM~~	~~200~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALN~~	~~500~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALO~~	~~1000~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-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**

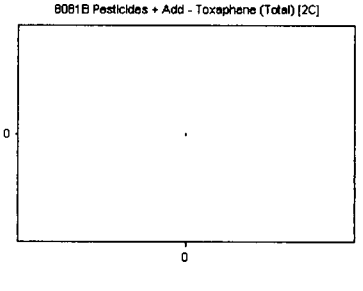


Standard	Concentration	Response	Response Factor	RT
~~0C24036-CALQ~~	~~10~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALR~~	~~50~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALS~~	~~100~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALT~~	~~200~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALU~~	~~500~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALV~~	~~1000~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-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
~~0C24036-CALQ~~	~~10~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALR~~	~~50~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALS~~	~~100~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALT~~	~~200~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALU~~	~~500~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALV~~	~~1000~~	~~0~~	~~0.000~~	~~0.00~~
~~0C24036-CALW~~	~~2000~~	~~0~~	~~0.000~~	~~0.00~~

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

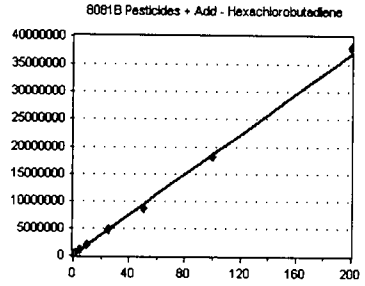
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Hexachlorobutadiene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

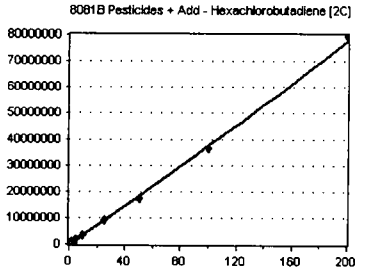


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	138995	277990.000	3.19
0C24036-CALB	1	252963	252963.000	3.19
0C24036-CALC	2	439567	219783.500	3.19
0C24036-CALD	5	985296	197059.200	3.19
0C24036-CALE	10	1913685	191368.500	3.19
0C24036-CALF	25	4744416	189776.600	3.19
0C24036-CALG	50	8717391	174347.800	3.19
0C24036-CALH	100	1.806462E+07	180646.200	3.19
0C24036-CALI	200	3.806473E+07	190323.600	3.19

AVE RF **208250.900** RF RSD **16.96** AVE RT **3.19**

Hexachlorobutadiene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

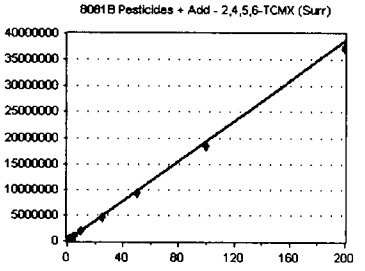


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	251522	503044.000	3.68
0C24036-CALB	1	464249	464249.000	3.67
0C24036-CALC	2	807666	403833.000	3.67
0C24036-CALD	5	1888911	377782.200	3.67
0C24036-CALE	10	3659331	365933.100	3.67
0C24036-CALF	25	9164447	366577.900	3.67
0C24036-CALG	50	1.743982E+07	348796.400	3.67
0C24036-CALH	100	3.634469E+07	363446.900	3.68
0C24036-CALI	200	7.974695E+07	398734.800	3.68

AVE RF **399155.200** RF RSD **12.98** AVE RT **3.67**

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

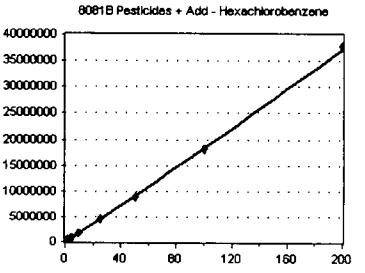


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	110536	221072.000	5.39
0C24036-CAL2	1	207645	207645.000	5.39
0C24036-CAL3	2	389246	194623.000	5.39
0C24036-CAL4	5	964743	192948.600	5.39
0C24036-CAL5	10	1871440	187144.000	5.39
0C24036-CAL6	25	4512622	180504.900	5.39
0C24036-CAL7	50	9241615	184832.300	5.39
0C24036-CAL8	100	1.835447E+07	183544.700	5.39
0C24036-CAL9	200	3.728779E+07	186439.000	5.39

AVE RF **193194.800** RF RSD **6.83** AVE RT **5.39**

Hexachlorobenzene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	135442	270884.000	5.77
0C24036-CALB	1	248838	248838.000	5.77
0C24036-CALC	2	419155	209577.500	5.77
0C24036-CALD	5	941551	188310.200	5.77
0C24036-CALE	10	1821184	182118.400	5.77
0C24036-CALF	25	4553836	182153.400	5.77
0C24036-CALG	50	8762097	175241.900	5.77
0C24036-CALH	100	1.818749E+07	181874.900	5.77
0C24036-CALI	200	3.782323E+07	189116.200	5.77

AVE RF **203123.800** RF RSD **16.74** AVE RT **5.77**

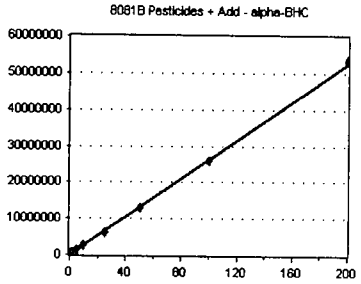
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

alpha-BHC

Curve Fit: **AVERAGE RF**

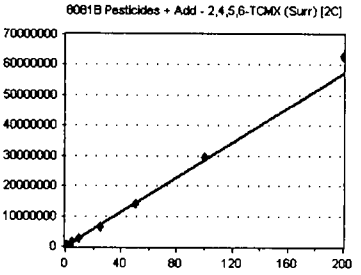


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	137171	274342.000	5.93
0C24036-CAL2	1	265596	265596.000	5.93
0C24036-CAL3	2	533325	266662.500	5.93
0C24036-CAL4	5	1329593	265918.600	5.93
0C24036-CAL5	10	2560403	256040.300	5.93
0C24036-CAL6	25	6300836	252033.400	5.93
0C24036-CAL7	50	1.311416E+07	262283.200	5.93
0C24036-CAL8	100	2.579191E+07	257919.100	5.93
0C24036-CAL9	200	5.357471E+07	267873.600	5.93

AVE RF **263185.400** RF RSD **2.60** AVE RT **5.93**

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**

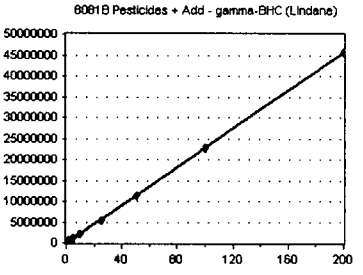


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	164456	328912.000	5.99
0C24036-CAL2	1	286301	286301.000	5.99
0C24036-CAL3	2	549729	274864.500	5.99
0C24036-CAL4	5	1335959	267191.800	5.99
0C24036-CAL5	10	2672852	267285.200	5.99
0C24036-CAL6	25	6520954	260838.200	5.99
0C24036-CAL7	50	1.401779E+07	280355.800	5.99
0C24036-CAL8	100	2.936302E+07	293630.200	5.99
0C24036-CAL9	200	6.265225E+07	313261.300	5.99

AVE RF **285848.900** RF RSD **7.95** AVE RT **5.99**

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

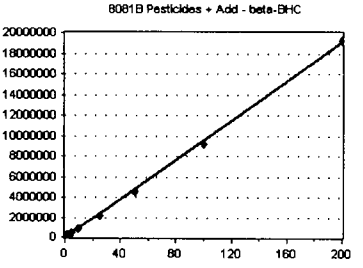


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	120065	240130.000	6.21
0C24036-CAL2	1	235537	235537.000	6.22
0C24036-CAL3	2	461944	230972.000	6.21
0C24036-CAL4	5	1144128	228825.600	6.21
0C24036-CAL5	10	2232104	223210.400	6.21
0C24036-CAL6	25	5406502	216260.100	6.21
0C24036-CAL7	50	1.137713E+07	227542.600	6.21
0C24036-CAL8	100	2.27286E+07	227286.000	6.21
0C24036-CAL9	200	4.578899E+07	228945.000	6.21

AVE RF **228745.400** RF RSD **2.98** AVE RT **6.21**

beta-BHC

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	56206	112412.000	6.29
0C24036-CAL2	1	105215	105215.000	6.29
0C24036-CAL3	2	193610	96805.000	6.29
0C24036-CAL4	5	468025	93605.000	6.29
0C24036-CAL5	10	872767	87276.700	6.29
0C24036-CAL6	25	2161452	86458.080	6.29
0C24036-CAL7	50	4558073	91161.460	6.29
0C24036-CAL8	100	9186029	91860.290	6.29
0C24036-CAL9	200	1.924674E+07	96233.700	6.29

AVE RF **95669.690** RF RSD **8.80** AVE RT **6.29**

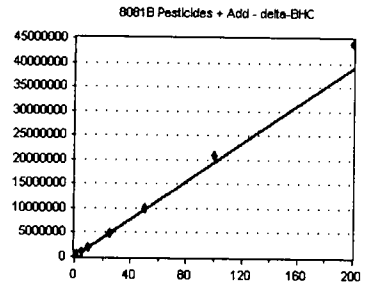
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

delta-BHC

Curve Fit: **AVERAGE RF**

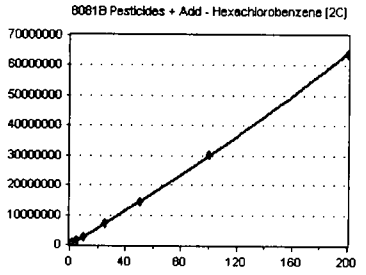


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	93927	187854.000	6.44
0C24036-CAL2	1	184376	184376.000	6.44
0C24036-CAL3	2	371970	185985.000	6.44
0C24036-CAL4	5	956714	191342.800	6.44
0C24036-CAL5	10	1855154	185515.400	6.44
0C24036-CAL6	25	4815486	192619.400	6.44
0C24036-CAL7	50	9993782	199875.600	6.44
0C24036-CAL8	100	2.08163E+07	208163.000	6.44
0C24036-CAL9	200	4.40779E+07	220389.500	6.44

AVE RF **195124.500** RF RSD **6.27** AVE RT **6.44**

Hexachlorobenzene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

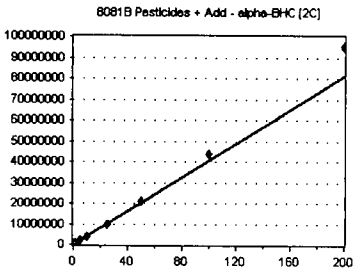


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	201955	403910.000	6.46
0C24036-CALB	1	360738	360738.000	6.45
0C24036-CALC	2	612934	306467.000	6.45
0C24036-CALD	5	1416782	283356.400	6.45
0C24036-CALE	10	2829027	282902.700	6.45
0C24036-CALF	25	7208518	288340.700	6.45
0C24036-CALG	50	1.420348E+07	284069.600	6.45
0C24036-CALH	100	3.030767E+07	303076.700	6.45
0C24036-CALI	200	6.39639E+07	319819.500	6.46

AVE RF **314742.300** RF RSD **13.26** AVE RT **6.45**

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

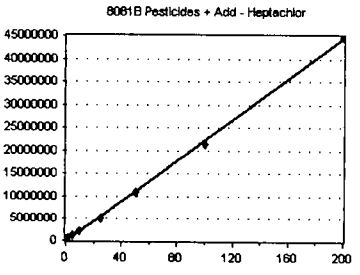


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	190412	380824.000	6.60
0C24036-CAL2	1	377299	377299.000	6.60
0C24036-CAL3	2	769730	384865.000	6.59
0C24036-CAL4	5	1962158	392431.600	6.59
0C24036-CAL5	10	3940249	394024.900	6.60
0C24036-CAL6	25	9620617	384824.700	6.59
0C24036-CAL7	50	2.091878E+07	418375.600	6.59
0C24036-CAL8	100	4.387805E+07	438780.500	6.59
0C24036-CAL9	200	9.508099E+07	475405.000	6.60

AVE RF **405203.400** RF RSD **8.15** AVE RT **6.59**

Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	125615	251230.000	6.62
0C24036-CAL2	1	230067	230067.000	6.62
0C24036-CAL3	2	451051	225525.500	6.62
0C24036-CAL4	5	1139576	227915.200	6.62
0C24036-CAL5	10	2121785	212178.500	6.62
0C24036-CAL6	25	5053266	202130.600	6.62
0C24036-CAL7	50	1.084668E+07	216933.600	6.62
0C24036-CAL8	100	2.152222E+07	215222.200	6.62
0C24036-CAL9	200	4.477036E+07	223851.800	6.62

AVE RF **222783.800** RF RSD **6.20** AVE RT **6.62**

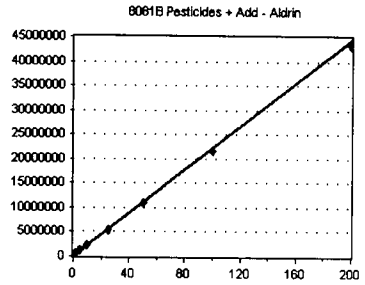
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Aldrin

Curve Fit: **AVERAGE RF**

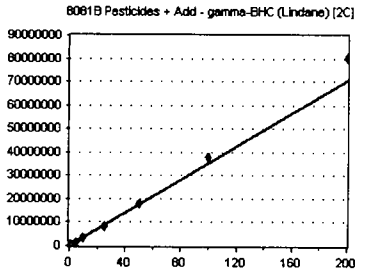


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	116958	233916.000	6.87
0C24036-CAL2	1	228121	228121.000	6.87
0C24036-CAL3	2	446847	223423.500	6.86
0C24036-CAL4	5	1150626	230125.200	6.86
0C24036-CAL5	10	2164338	216433.800	6.86
0C24036-CAL6	25	5344381	213775.200	6.86
0C24036-CAL7	50	1.089071E+07	217814.200	6.86
0C24036-CAL8	100	2.176422E+07	217642.200	6.86
0C24036-CAL9	200	4.339177E+07	216958.800	6.86

AVE RF **222023.300** RF RSD **3.22** AVE RT **6.86**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

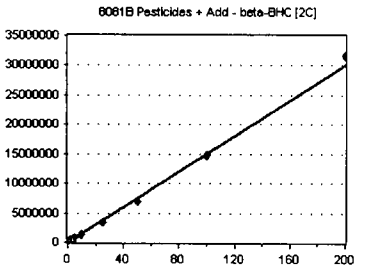


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	177278	354556.000	6.91
0C24036-CAL2	1	342671	342671.000	6.91
0C24036-CAL3	2	680129	340064.500	6.91
0C24036-CAL4	5	1681533	336306.600	6.91
0C24036-CAL5	10	3375199	337519.900	6.91
0C24036-CAL6	25	8241389	329655.600	6.91
0C24036-CAL7	50	1.821637E+07	364327.400	6.91
0C24036-CAL8	100	3.78174E+07	378174.000	6.91
0C24036-CAL9	200	8.012315E+07	400615.800	6.91

AVE RF **353765.600** RF RSD **6.60** AVE RT **6.91**

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

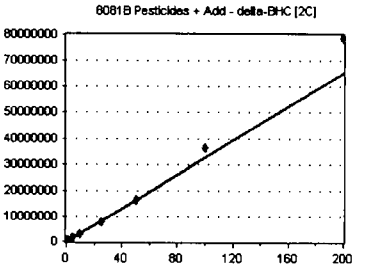


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	85651	171302.000	6.98
0C24036-CAL2	1	160782	160782.000	6.98
0C24036-CAL3	2	302962	151481.000	6.98
0C24036-CAL4	5	728404	145680.800	6.98
0C24036-CAL5	10	1376406	137640.600	6.98
0C24036-CAL6	25	3404701	136188.000	6.98
0C24036-CAL7	50	7084389	141687.800	6.98
0C24036-CAL8	100	1.473435E+07	147343.500	6.98
0C24036-CAL9	200	3.163956E+07	158197.800	6.98

AVE RF **150033.700** RF RSD **7.74** AVE RT **6.98**

delta-BHC [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	154610	309220.000	7.23
0C24036-CAL2	1	305632	305632.000	7.24
0C24036-CAL3	2	619769	309884.500	7.23
0C24036-CAL4	5	1544609	308921.800	7.23
0C24036-CAL5	10	3066052	306605.200	7.23
0C24036-CAL6	25	7763079	310523.200	7.23
0C24036-CAL7	50	1.661564E+07	332312.800	7.23
0C24036-CAL8	100	3.632139E+07	363213.900	7.23
0C24036-CAL9	200	7.85301E+07	392650.500	7.23

AVE RF **326551.500** RF RSD **9.52** AVE RT **7.23**

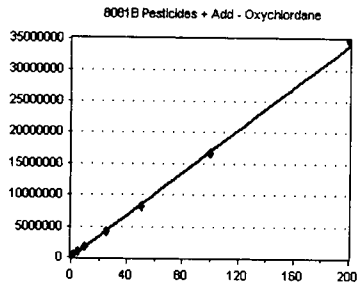
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Oxychlordane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

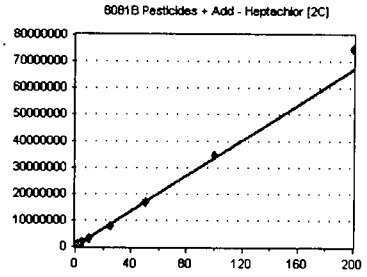


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	123441	246882.000	7.25
0C24036-CALB	1	228603	228603.000	7.25
0C24036-CALC	2	386790	193395.000	7.25
0C24036-CALD	5	875331	175066.200	7.25
0C24036-CALE	10	1728237	172823.700	7.25
0C24036-CALF	25	4237766	169510.600	7.25
0C24036-CALG	50	8147960	162959.200	7.25
0C24036-CALH	100	1.656567E+07	165656.700	7.25
0C24036-CALI	200	3.48185E+07	174092.500	7.25

AVE RF **187665.400** RF RSD **15.99** AVE RT **7.25**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

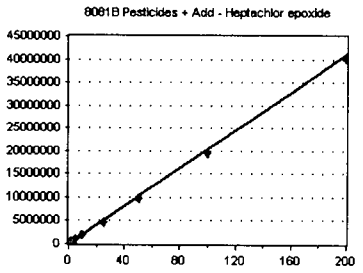


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	176454	352908.000	7.29
0C24036-CAL2	1	329837	329837.000	7.29
0C24036-CAL3	2	669996	334998.000	7.29
0C24036-CAL4	5	1622489	324497.800	7.29
0C24036-CAL5	10	3095659	309565.900	7.29
0C24036-CAL6	25	7620334	304813.400	7.29
0C24036-CAL7	50	1.695188E+07	339037.600	7.29
0C24036-CAL8	100	3.464132E+07	346413.200	7.29
0C24036-CAL9	200	7.484963E+07	374248.200	7.29

AVE RF **335146.600** RF RSD **6.42** AVE RT **7.29**

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

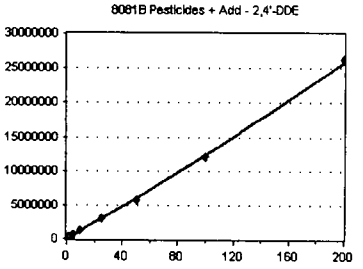


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	116602	233204.000	7.33
0C24036-CAL2	1	224847	224847.000	7.33
0C24036-CAL3	2	421620	210810.000	7.33
0C24036-CAL4	5	1022828	204565.600	7.33
0C24036-CAL5	10	1918192	191819.200	7.33
0C24036-CAL6	25	4717307	188692.300	7.33
0C24036-CAL7	50	9785678	195713.600	7.33
0C24036-CAL8	100	1.937998E+07	193799.800	7.32
0C24036-CAL9	200	4.021854E+07	201092.700	7.32

AVE RF **204949.300** RF RSD **7.50** AVE RT **7.33**

2,4'-DDE

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	83210	166420.000	7.33
0C24036-CALB	1	156744	156744.000	7.33
0C24036-CALC	2	267207	133603.500	7.33
0C24036-CALD	5	627099	125419.800	7.33
0C24036-CALE	10	1237758	123775.800	7.33
0C24036-CALF	25	3019471	120778.800	7.33
0C24036-CALG	50	5911849	118237.000	7.33
0C24036-CALH	100	1.222521E+07	122252.100	7.33
0C24036-CALI	200	2.619282E+07	130964.100	7.33

AVE RF **133132.800** RF RSD **12.76** AVE RT **7.33**

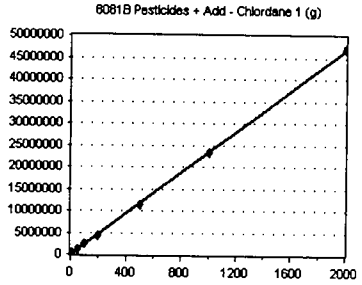
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

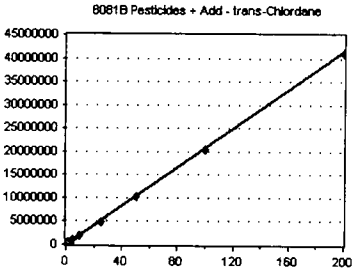


Standard	Concentration	Response	Response Factor	RT
0C24036-CALJ	10	246826	24682.600	7.42
0C24036-CALK	50	1102563	22051.260	7.42
0C24036-CALL	100	2486496	24864.960	7.42
0C24036-CALM	200	4452138	22260.690	7.42
0C24036-CALN	500	1.135004E+07	22700.080	7.42
0C24036-CALO	1000	2.333562E+07	23335.620	7.42
0C24036-CALP	2000	4.699949E+07	23499.740	7.42

AVE RF **23342.140** RF RSD **4.75** AVE RT **7.42**

trans-Chlordane

Curve Fit: **AVERAGE RF**

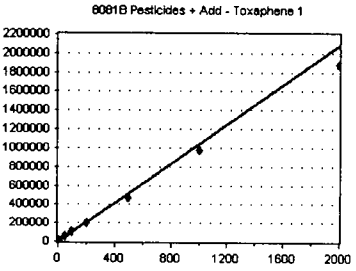


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	117895	235790.000	7.42
0C24036-CAL2	1	218460	218460.000	7.42
0C24036-CAL3	2	420963	210481.500	7.42
0C24036-CAL4	5	1026948	205389.600	7.42
0C24036-CAL5	10	1997780	199778.000	7.42
0C24036-CAL6	25	4840892	193635.700	7.42
0C24036-CAL7	50	1.017515E+07	203503.000	7.42
0C24036-CAL8	100	2.033734E+07	203373.400	7.42
0C24036-CAL9	200	4.11481E+07	205740.500	7.42

AVE RF **208461.300** RF RSD **5.91** AVE RT **7.42**

Toxaphene 1

Curve Fit: **AVERAGE RF**

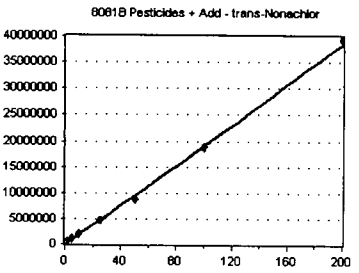


Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	11225	1122.500	7.50
0C24036-CALR	50	59017	1180.340	7.50
0C24036-CALS	100	111060	1110.600	7.50
0C24036-CALT	200	198022	990.110	7.50
0C24036-CALU	500	474801	949.602	7.49
0C24036-CALV	1000	980575	980.575	7.49
0C24036-CALW	2000	1881314	940.657	7.49

AVE RF **1039.198** RF RSD **9.26** AVE RT **7.50**

trans-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	138714	277428.000	7.51
0C24036-CALB	1	250677	250677.000	7.51
0C24036-CALC	2	423056	211528.000	7.51
0C24036-CALD	5	981829	196365.800	7.51
0C24036-CALE	10	1958355	195835.500	7.51
0C24036-CALF	25	4770432	190817.300	7.51
0C24036-CALG	50	8939479	178789.600	7.51
0C24036-CALH	100	1.872351E+07	187235.100	7.51
0C24036-CALI	200	3.94132E+07	197066.000	7.51

AVE RF **209526.900** RF RSD **15.66** AVE RT **7.51**

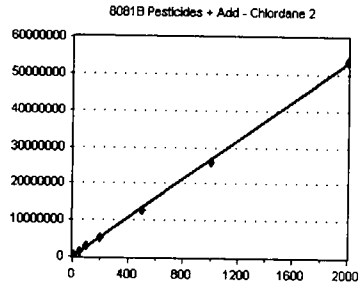
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Chlordane 2

Curve Fit: **AVERAGE RF**

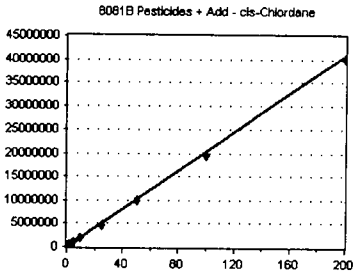


Standard	Concentration	Response	Response Factor	RT
0C24036-CALJ	10	282652	28265.200	7.51
0C24036-CALK	50	1304898	26097.960	7.51
0C24036-CALL	100	2775023	27750.230	7.51
0C24036-CALM	200	5100975	25504.880	7.51
0C24036-CALN	500	1.274378E+07	25487.560	7.51
0C24036-CALO	1000	2.606777E+07	26067.770	7.51
0C24036-CALP	2000	5.338566E+07	26692.830	7.51

AVE RF **26552.350** RF RSD **4.09** AVE RT **7.51**

cis-Chlordane

Curve Fit: **AVERAGE RF**

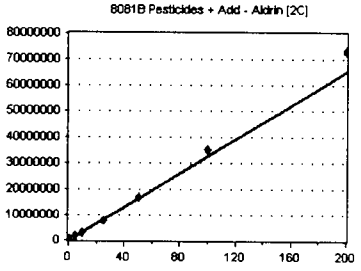


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	120376	240752.000	7.52
0C24036-CAL2	1	222249	222249.000	7.52
0C24036-CAL3	2	418487	209243.500	7.52
0C24036-CAL4	5	1009258	201851.600	7.52
0C24036-CAL5	10	1892390	189239.000	7.52
0C24036-CAL6	25	4673568	186942.700	7.52
0C24036-CAL7	50	9884511	197690.200	7.52
0C24036-CAL8	100	1.943437E+07	194343.700	7.52
0C24036-CAL9	200	4.015165E+07	200758.200	7.52

AVE RF **204785.600** RF RSD **8.39** AVE RT **7.52**

Aldrin [2C]

Curve Fit: **AVERAGE RF**

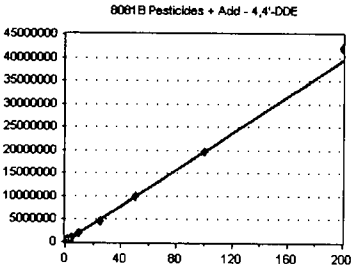


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	161744	323488.000	7.56
0C24036-CAL2	1	307770	307770.000	7.56
0C24036-CAL3	2	627199	313599.500	7.55
0C24036-CAL4	5	1571627	314325.400	7.55
0C24036-CAL5	10	3095998	309599.800	7.56
0C24036-CAL6	25	7846063	313842.500	7.55
0C24036-CAL7	50	1.677141E+07	335428.200	7.55
0C24036-CAL8	100	3.494775E+07	349477.500	7.55
0C24036-CAL9	200	7.307426E+07	365371.300	7.55

AVE RF **325878.000** RF RSD **6.17** AVE RT **7.55**

4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	104194	208388.000	7.58
0C24036-CAL2	1	200955	200955.000	7.58
0C24036-CAL3	2	377407	188703.500	7.58
0C24036-CAL4	5	966330	193266.000	7.58
0C24036-CAL5	10	1899226	189922.600	7.58
0C24036-CAL6	25	4679040	187161.600	7.58
0C24036-CAL7	50	9875598	197512.000	7.58
0C24036-CAL8	100	1.982E+07	198200.000	7.58
0C24036-CAL9	200	4.197782E+07	209889.100	7.58

AVE RF **197110.900** RF RSD **4.18** AVE RT **7.58**

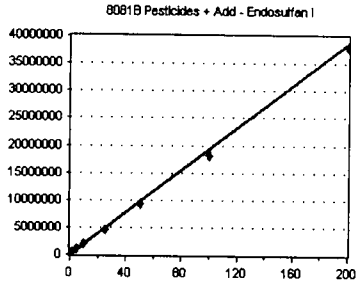
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endosulfan I

Curve Fit: **AVERAGE RF**

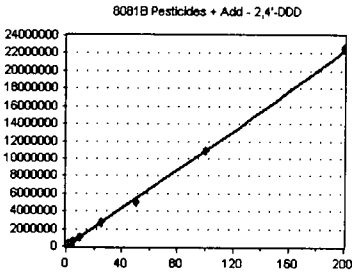


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	109155	218310.000	7.62
0C24036-CAL2	1	202673	202673.000	7.62
0C24036-CAL3	2	394005	197002.500	7.62
0C24036-CAL4	5	985546	197109.200	7.62
0C24036-CAL5	10	1839301	183930.100	7.62
0C24036-CAL6	25	4539125	181565.000	7.62
0C24036-CAL7	50	9377081	187541.600	7.61
0C24036-CAL8	100	1.820286E+07	182028.600	7.61
0C24036-CAL9	200	3.797769E+07	189888.400	7.61

AVE RF **193338.700** RF RSD **6.17** AVE RT **7.62**

2,4'-DDD

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

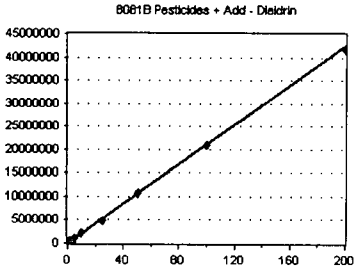


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	79625	159250.000	7.70
0C24036-CALB	1	148717	148717.000	7.70
0C24036-CALC	2	239865	119932.500	7.70
0C24036-CALD	5	556778	111355.600	7.70
0C24036-CALE	10	1077430	107743.000	7.70
0C24036-CALF	25	2695196	107807.800	7.70
0C24036-CALG	50	5120535	102410.700	7.70
0C24036-CALH	100	1.08538E+07	108538.000	7.70
0C24036-CALI	200	2.256642E+07	112832.100	7.70

AVE RF **119843.000** RF RSD **16.77** AVE RT **7.70**

Dieldrin

Curve Fit: **AVERAGE RF**

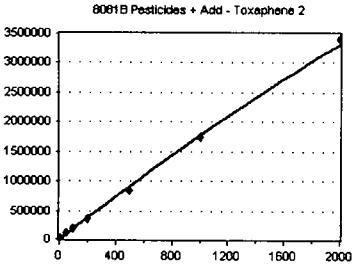


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	115621	231242.000	7.79
0C24036-CAL2	1	219208	219208.000	7.79
0C24036-CAL3	2	423831	211915.500	7.79
0C24036-CAL4	5	1062097	212419.400	7.79
0C24036-CAL5	10	2075053	207505.300	7.79
0C24036-CAL6	25	4973639	198945.600	7.79
0C24036-CAL7	50	1.0681E+07	213620.000	7.79
0C24036-CAL8	100	2.083451E+07	208345.100	7.79
0C24036-CAL9	200	4.179034E+07	208951.700	7.79

AVE RF **212461.400** RF RSD **4.20** AVE RT **7.79**

Toxaphene 2

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	23053	2305.300	7.79
0C24036-CALR	50	106574	2131.480	7.79
0C24036-CALS	100	197990	1979.900	7.79
0C24036-CALT	200	356203	1781.015	7.79
0C24036-CALU	500	859180	1718.360	7.79
0C24036-CALV	1000	1744371	1744.371	7.79
0C24036-CALW	2000	3407462	1703.731	7.79

AVE RF **1909.165** RF RSD **12.35** AVE RT **7.79**

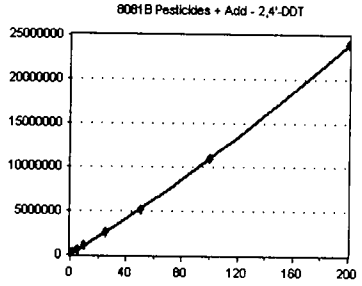
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

2,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

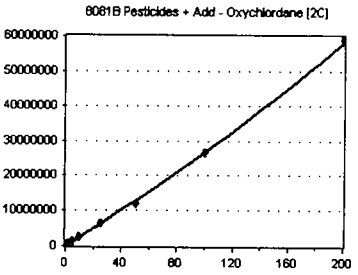


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	67791	135582.000	7.89
0C24036-CALB	1	129911	129911.000	7.88
0C24036-CALC	2	208673	104336.500	7.88
0C24036-CALD	5	500416	100083.200	7.88
0C24036-CALE	10	1038872	103887.200	7.88
0C24036-CALF	25	2624036	104961.400	7.88
0C24036-CALG	50	5109282	102185.600	7.88
0C24036-CALH	100	1.094737E+07	109473.700	7.88
0C24036-CALI	200	2.41025E+07	120512.500	7.88

AVE RF **112325.900** RF RSD **11.64** AVE RT **7.88**

Oxychlordane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

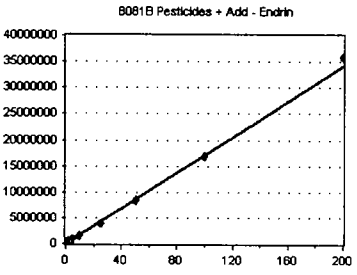


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	180540	361080.000	7.92
0C24036-CALB	1	334034	334034.000	7.92
0C24036-CALC	2	549047	274523.500	7.92
0C24036-CALD	5	1273733	254746.600	7.92
0C24036-CALE	10	2482080	248208.000	7.92
0C24036-CALF	25	6370353	254814.100	7.92
0C24036-CALG	50	1.214358E+07	242871.600	7.92
0C24036-CALH	100	2.649064E+07	264906.400	7.92
0C24036-CALI	200	5.887884E+07	294394.200	7.92

AVE RF **281064.300** RF RSD **14.67** AVE RT **7.92**

Endrin

Curve Fit: **AVERAGE RF**

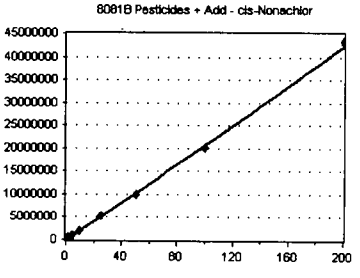


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	94731	189462.000	7.95
0C24036-CAL2	1	176915	176915.000	7.96
0C24036-CAL3	2	337729	168864.500	7.95
0C24036-CAL4	5	846370	169274.000	7.95
0C24036-CAL5	10	1604775	160477.500	7.95
0C24036-CAL6	25	3854623	154184.900	7.95
0C24036-CAL7	50	8540081	170801.600	7.95
0C24036-CAL8	100	1.693242E+07	169324.200	7.95
0C24036-CAL9	200	3.581341E+07	179067.000	7.95

AVE RF **170930.100** RF RSD **6.01** AVE RT **7.95**

cis-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	143310	286620.000	7.98
0C24036-CALB	1	268101	268101.000	7.98
0C24036-CALC	2	442808	221404.000	7.98
0C24036-CALD	5	1044308	208861.600	7.98
0C24036-CALE	10	2056686	205668.600	7.98
0C24036-CALF	25	5255936	210237.400	7.98
0C24036-CALG	50	9928726	198574.500	7.98
0C24036-CALH	100	2.013249E+07	201324.900	7.98
0C24036-CALI	200	4.320572E+07	216028.600	7.98

AVE RF **224091.200** RF RSD **13.98** AVE RT **7.98**

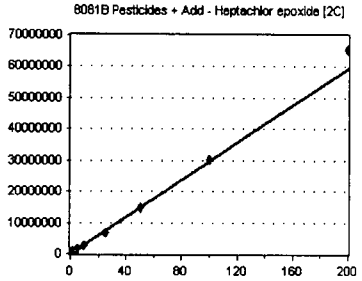
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

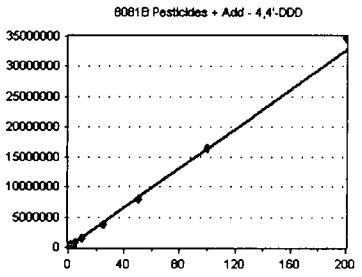


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	157622	315244.000	7.99
0C24036-CAL2	1	298486	298486.000	8.00
0C24036-CAL3	2	587296	293648.000	7.99
0C24036-CAL4	5	1429908	285981.600	7.99
0C24036-CAL5	10	2823127	282312.700	7.99
0C24036-CAL6	25	6834808	273392.300	7.99
0C24036-CAL7	50	1.487881E+07	297576.200	7.99
0C24036-CAL8	100	3.045413E+07	304541.300	7.99
0C24036-CAL9	200	6.552941E+07	327647.000	7.99

AVE RF **297647.700** RF RSD **5.61** AVE RT **7.99**

4,4'-DDD

Curve Fit: **AVERAGE RF**

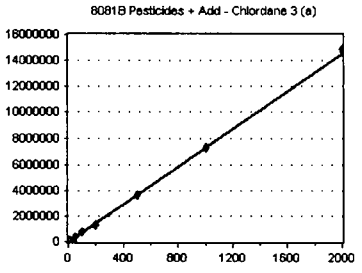


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	89339	178678.000	8.00
0C24036-CAL2	1	171895	171895.000	8.00
0C24036-CAL3	2	324983	162491.500	8.00
0C24036-CAL4	5	779676	155935.200	8.00
0C24036-CAL5	10	1528268	152826.800	8.00
0C24036-CAL6	25	3831772	153270.900	8.00
0C24036-CAL7	50	7886558	157731.200	8.00
0C24036-CAL8	100	1.637648E+07	163764.800	8.00
0C24036-CAL9	200	3.485626E+07	174281.300	8.00

AVE RF **163430.500** RF RSD **5.83** AVE RT **8.00**

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

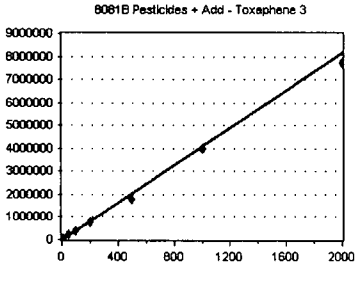


Standard	Concentration	Response	Response Factor	RT
0C24036-CALJ	10	75022	7502.200	8.06
0C24036-CALK	50	352851	7057.020	8.06
0C24036-CALL	100	770343	7703.430	8.06
0C24036-CALM	200	1329346	6646.730	8.07
0C24036-CALN	500	3611630	7223.260	8.06
0C24036-CALO	1000	7301807	7301.807	8.06
0C24036-CALP	2000	1.490631E+07	7453.155	8.06

AVE RF **7269.657** RF RSD **4.74** AVE RT **8.06**

Toxaphene 3

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	47213	4721.300	8.10
0C24036-CALR	50	220625	4412.500	8.10
0C24036-CALS	100	412345	4123.450	8.10
0C24036-CALT	200	754269	3771.345	8.10
0C24036-CALU	500	1819799	3639.598	8.10
0C24036-CALV	1000	4006607	4006.607	8.10
0C24036-CALW	2000	7722060	3861.030	8.10

AVE RF **4076.547** RF RSD **9.32** AVE RT **8.10**

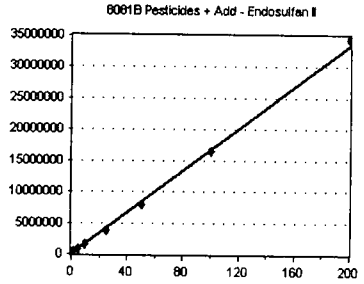
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endosulfan II

Curve Fit: **AVERAGE RF**

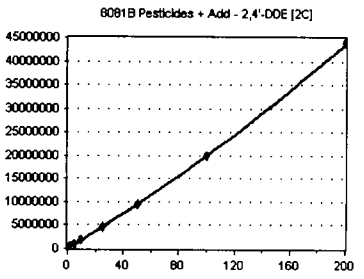


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	94859	189718.000	8.11
0C24036-CAL2	1	179623	179623.000	8.11
0C24036-CAL3	2	336277	168138.500	8.11
0C24036-CAL4	5	815737	163147.400	8.11
0C24036-CAL5	10	1565837	156583.700	8.11
0C24036-CAL6	25	3858748	154349.900	8.11
0C24036-CAL7	50	8018318	160366.400	8.11
0C24036-CAL8	100	1.637086E+07	163708.600	8.11
0C24036-CAL9	200	3.445624E+07	172281.200	8.11

AVE RF **167546.300** RF RSD **6.81** AVE RT **8.11**

2,4'-DDE [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

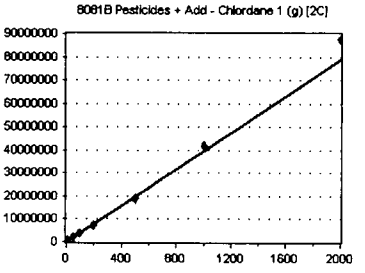


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	124973	249946.000	8.13
0C24036-CALB	1	238501	238501.000	8.12
0C24036-CALC	2	397498	198749.000	8.13
0C24036-CALD	5	936012	187202.400	8.12
0C24036-CALE	10	1859258	185925.800	8.13
0C24036-CALF	25	4614869	184594.800	8.12
0C24036-CALG	50	9372906	187458.100	8.12
0C24036-CALH	100	1.987833E+07	198783.300	8.12
0C24036-CALI	200	4.413956E+07	220697.800	8.13

AVE RF **205762.000** RF RSD **11.99** AVE RT **8.12**

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

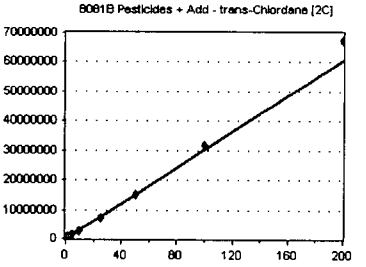


Standard	Concentration	Response	Response Factor	RT
0C24036-CALJ	10	385659	38565.900	8.13
0C24036-CALK	50	1787615	35752.300	8.13
0C24036-CALL	100	4070319	40703.190	8.13
0C24036-CALM	200	7358273	36791.360	8.13
0C24036-CALN	500	1.916715E+07	38334.300	8.13
0C24036-CALO	1000	4.197879E+07	41978.790	8.13
0C24036-CALP	2000	8.740674E+07	43703.370	8.13

AVE RF **39404.170** RF RSD **7.24** AVE RT **8.13**

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	159223	318446.000	8.13
0C24036-CAL2	1	299115	299115.000	8.14
0C24036-CAL3	2	584049	292024.500	8.13
0C24036-CAL4	5	1462256	292451.200	8.13
0C24036-CAL5	10	2808234	280823.400	8.13
0C24036-CAL6	25	7038270	281530.800	8.13
0C24036-CAL7	50	1.529954E+07	305990.800	8.13
0C24036-CAL8	100	3.190398E+07	319039.800	8.13
0C24036-CAL9	200	6.742387E+07	337119.400	8.13

AVE RF **302949.000** RF RSD **6.25** AVE RT **8.13**

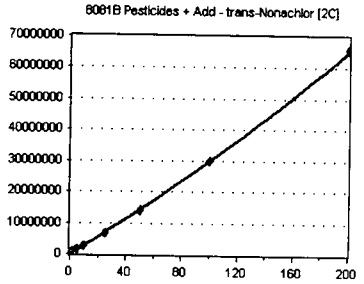
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

trans-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

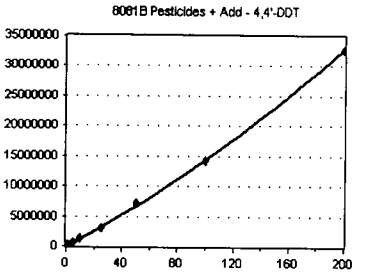


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	194733	389466.000	8.20
0C24036-CALB	1	360386	360386.000	8.19
0C24036-CALC	2	615457	307728.500	8.19
0C24036-CALD	5	1410113	282022.600	8.20
0C24036-CALE	10	2785866	278586.600	8.20
0C24036-CALF	25	6929319	277172.800	8.20
0C24036-CALG	50	1.383608E+07	276721.600	8.19
0C24036-CALH	100	2.98725E+07	298725.000	8.19
0C24036-CALI	200	6.589605E+07	329480.300	8.20

AVE RF **311143.300** RF RSD **13.11** AVE RT **8.20**

4,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

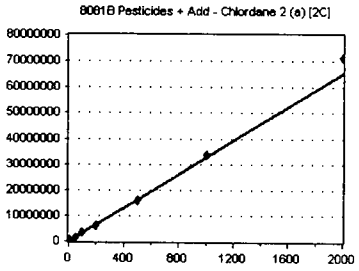


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	64160	128320.000	8.20
0C24036-CAL2	1	121352	121352.000	8.20
0C24036-CAL3	2	239428	119714.000	8.20
0C24036-CAL4	5	628966	125793.200	8.20
0C24036-CAL5	10	1240165	124016.500	8.20
0C24036-CAL6	25	3040414	121616.600	8.20
0C24036-CAL7	50	7151642	143032.800	8.20
0C24036-CAL8	100	1.414211E+07	141421.100	8.20
0C24036-CAL9	200	3.276034E+07	163801.700	8.20

AVE RF **132118.700** RF RSD **11.06** AVE RT **8.20**

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

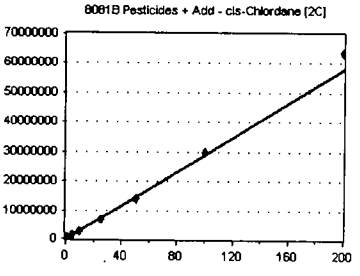


Standard	Concentration	Response	Response Factor	RT
0C24036-CALJ	10	341698	34169.800	8.24
0C24036-CALK	50	1475380	29507.600	8.24
0C24036-CALL	100	3328222	33282.220	8.24
0C24036-CALM	200	6135095	30675.470	8.24
0C24036-CALN	500	1.608346E+07	32166.920	8.24
0C24036-CALO	1000	3.385226E+07	33852.260	8.24
0C24036-CALP	2000	7.117375E+07	35586.880	8.24

AVE RF **32748.740** RF RSD **6.44** AVE RT **8.24**

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	155733	311466.000	8.24
0C24036-CAL2	1	292209	292209.000	8.24
0C24036-CAL3	2	563394	281697.000	8.24
0C24036-CAL4	5	1388464	277692.800	8.24
0C24036-CAL5	10	2750743	275074.300	8.24
0C24036-CAL6	25	6834773	273390.900	8.24
0C24036-CAL7	50	1.409321E+07	281864.200	8.24
0C24036-CAL8	100	3.004717E+07	300471.700	8.24
0C24036-CAL9	200	6.353913E+07	317695.600	8.24

AVE RF **290173.500** RF RSD **5.62** AVE RT **8.24**

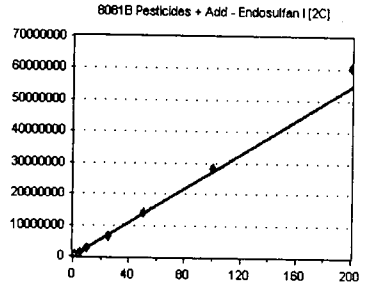
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

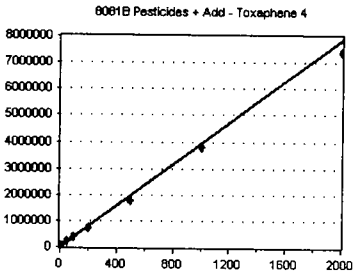


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	139375	278750.000	8.29
0C24036-CAL2	1	271030	271030.000	8.29
0C24036-CAL3	2	531137	265568.500	8.29
0C24036-CAL4	5	1319107	263821.400	8.29
0C24036-CAL5	10	2496249	249624.900	8.29
0C24036-CAL6	25	6355160	254206.400	8.29
0C24036-CAL7	50	1.389193E+07	277838.600	8.29
0C24036-CAL8	100	2.826121E+07	282612.100	8.29
0C24036-CAL9	200	6.039935E+07	301996.800	8.29

AVE RF **271716.500** RF RSD **5.84** AVE RT **8.29**

Toxaphene 4

Curve Fit: **AVERAGE RF**

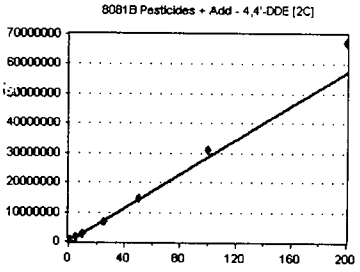


Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	47569	4756.900	8.34
0C24036-CALR	50	205964	4119.280	8.34
0C24036-CALS	100	391751	3917.510	8.34
0C24036-CALT	200	729429	3647.145	8.34
0C24036-CALU	500	1782592	3565.184	8.34
0C24036-CALV	1000	3786246	3786.246	8.34
0C24036-CALW	2000	7409380	3704.690	8.34

AVE RF **3928.136** RF RSD **10.41** AVE RT **8.34**

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

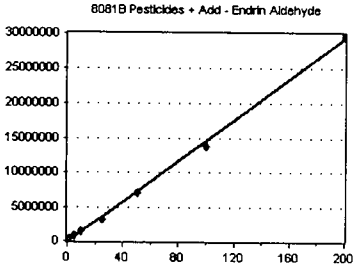


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	137534	275068.000	8.35
0C24036-CAL2	1	269052	269052.000	8.35
0C24036-CAL3	2	535383	267691.500	8.35
0C24036-CAL4	5	1383430	276686.000	8.35
0C24036-CAL5	10	2682066	268206.600	8.35
0C24036-CAL6	25	6917688	276707.500	8.35
0C24036-CAL7	50	1.480973E+07	296194.600	8.35
0C24036-CAL8	100	3.110809E+07	311080.900	8.35
0C24036-CAL9	200	6.727619E+07	336381.000	8.35

AVE RF **286340.900** RF RSD **8.28** AVE RT **8.35**

Endrin Aldehyde

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0C24036-CAL1~~	~~0.5~~	~~134379~~	~~268758.000~~	~~8.40~~
~~0C24036-CAL2~~	~~1~~	~~255838~~	~~255838.000~~	~~8.40~~
0C24036-CAL3	2	339697	169848.500	8.40
0C24036-CAL4	5	757621	151524.200	8.40
0C24036-CAL5	10	1418667	141866.700	8.40
0C24036-CAL6	25	3315527	132621.100	8.40
0C24036-CAL7	50	7114178	142283.600	8.40
0C24036-CAL8	100	1.379582E+07	137958.200	8.40
0C24036-CAL9	200	2.970084E+07	148504.200	8.40

AVE RF **146372.300** RF RSD **8.27** AVE RT **8.40**

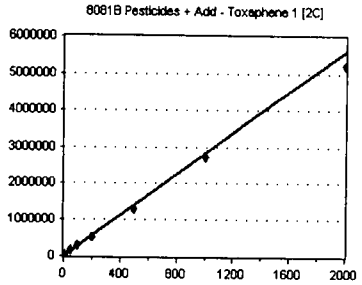
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

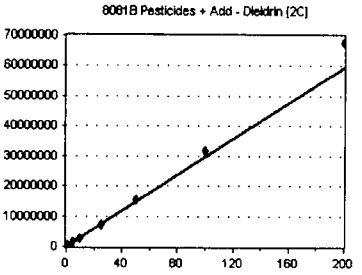


Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	31297	3129.700	8.47
0C24036-CALR	50	156382	3127.640	8.47
0C24036-CALS	100	287265	2872.650	8.47
0C24036-CALT	200	532496	2662.480	8.47
0C24036-CALU	500	1284194	2568.388	8.47
0C24036-CALV	1000	2709679	2709.679	8.47
0C24036-CALW	2000	5232351	2616.176	8.47

AVE RF **2812.388** RF RSD **8.40** AVE RT **8.47**

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

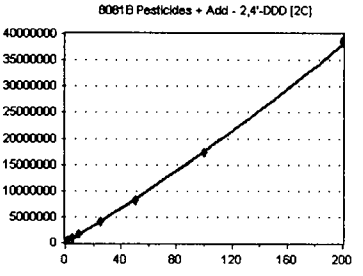


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	146999	293998.000	8.49
0C24036-CAL2	1	291990	291990.000	8.49
0C24036-CAL3	2	559484	279742.000	8.49
0C24036-CAL4	5	1421532	284306.400	8.49
0C24036-CAL5	10	2800716	280071.600	8.49
0C24036-CAL6	25	7072067	282882.700	8.49
0C24036-CAL7	50	1.536627E+07	307325.400	8.49
0C24036-CAL8	100	3.181772E+07	318177.200	8.49
0C24036-CAL9	200	6.782454E+07	339122.700	8.49

AVE RF **297512.900** RF RSD **6.83** AVE RT **8.49**

2,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

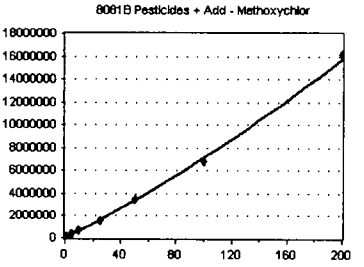


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	121076	242152.000	8.50
0C24036-CALB	1	222099	222099.000	8.50
0C24036-CALC	2	366090	183045.000	8.50
0C24036-CALD	5	847949	169589.800	8.50
0C24036-CALE	10	1664096	166409.600	8.50
0C24036-CALF	25	4129897	165195.900	8.50
0C24036-CALG	50	8137483	162749.700	8.50
0C24036-CALH	100	1.726527E+07	172652.700	8.50
0C24036-CALI	200	3.869511E+07	193475.600	8.50

AVE RF **186374.400** RF RSD **15.09** AVE RT **8.50**

Methoxychlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	42088	84176.000	8.53
0C24036-CAL2	1	79126	79126.000	8.54
0C24036-CAL3	2	141470	70735.000	8.53
0C24036-CAL4	5	355516	71103.200	8.53
0C24036-CAL5	10	649462	64946.200	8.53
0C24036-CAL6	25	1519078	60763.120	8.53
0C24036-CAL7	50	3473614	69472.280	8.53
0C24036-CAL8	100	6822606	68226.060	8.53
0C24036-CAL9	200	1.617687E+07	80884.350	8.53

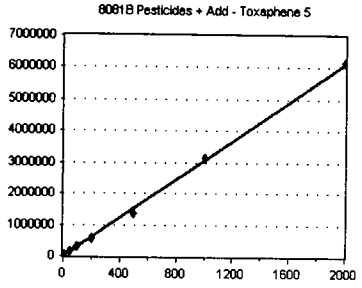
AVE RF **72159.130** RF RSD **10.70** AVE RT **8.53**

Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Toxaphene 5

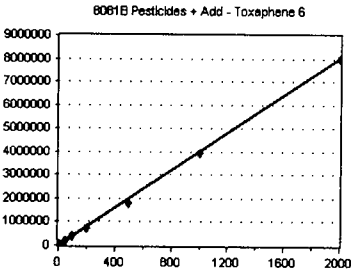


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	32950	3295.000	8.57
0C24036-CALR	50	160219	3204.380	8.57
0C24036-CALS	100	313162	3131.620	8.57
0C24036-CALT	200	576091	2880.455	8.57
0C24036-CALU	500	1366223	2732.446	8.57
0C24036-CALV	1000	3148951	3148.951	8.57
0C24036-CALW	2000	6159134	3079.567	8.57

AVE RF **3067.488** RF RSD **6.36** AVE RT **8.57**

Toxaphene 6

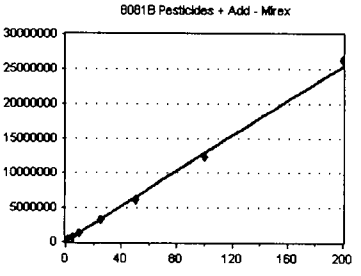


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	45333	4533.300	8.64
0C24036-CALR	50	207412	4148.240	8.64
0C24036-CALS	100	412942	4129.420	8.64
0C24036-CALT	200	741229	3706.145	8.64
0C24036-CALU	500	1789727	3579.454	8.64
0C24036-CALV	1000	3945722	3945.722	8.63
0C24036-CALW	2000	7995315	3997.657	8.63

AVE RF **4005.706** RF RSD **7.82** AVE RT **8.64**

Mirex

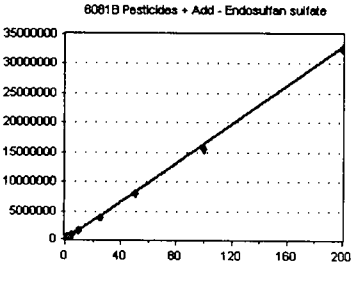


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	112691	225382.000	8.65
0C24036-CALB	1	203027	203027.000	8.65
0C24036-CALC	2	323334	161667.000	8.65
0C24036-CALD	5	702511	140502.200	8.65
0C24036-CALE	10	1334200	133420.000	8.65
0C24036-CALF	25	3230934	129237.400	8.65
0C24036-CALG	50	6214207	124284.100	8.65
0C24036-CALH	100	1.239685E+07	123968.500	8.64
0C24036-CALI	200	2.625481E+07	131274.000	8.65

AVE RF **152529.100** RF RSD **24.38** AVE RT **8.65**

Endosulfan sulfate



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	96545	193090.000	8.70
0C24036-CAL2	1	181494	181494.000	8.70
0C24036-CAL3	2	331487	165743.500	8.70
0C24036-CAL4	5	818686	163737.200	8.70
0C24036-CAL5	10	1519791	151979.100	8.70
0C24036-CAL6	25	3693603	147744.100	8.70
0C24036-CAL7	50	7962851	159257.000	8.70
0C24036-CAL8	100	1.542722E+07	154272.200	8.70
0C24036-CAL9	200	3.251997E+07	162599.800	8.70

AVE RF **164435.200** RF RSD **8.82** AVE RT **8.70**

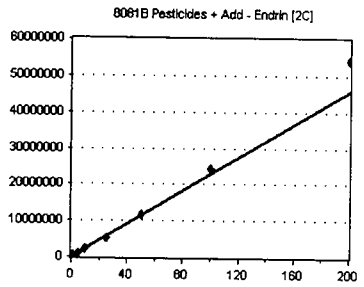
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endrin [2C]

Curve Fit: **AVERAGE RF**

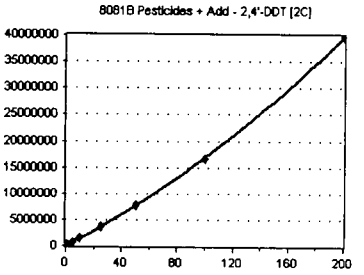


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	117807	235614.000	8.72
0C24036-CAL2	1	222568	222568.000	8.72
0C24036-CAL3	2	427288	213644.000	8.72
0C24036-CAL4	5	1113227	222645.400	8.72
0C24036-CAL5	10	2149089	214908.900	8.72
0C24036-CAL6	25	5127876	205115.000	8.72
0C24036-CAL7	50	1.171156E+07	234231.200	8.72
0C24036-CAL8	100	2.421064E+07	242106.400	8.72
0C24036-CAL9	200	5.400157E+07	270007.800	8.72

AVE RF **228982.300** RF RSD **8.47** AVE RT **8.72**

2,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

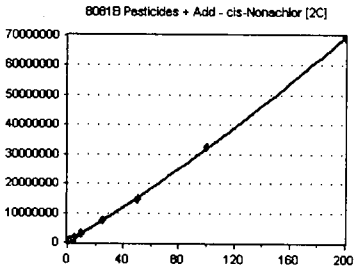


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	93729	187458.000	8.73
0C24036-CALB	1	174701	174701.000	8.72
0C24036-CALC	2	293188	146594.000	8.72
0C24036-CALD	5	709957	141991.400	8.72
0C24036-CALE	10	1455490	145549.000	8.72
0C24036-CALF	25	3726920	149076.800	8.72
0C24036-CALG	50	7779036	155580.700	8.72
0C24036-CALH	100	1.663551E+07	166355.100	8.72
0C24036-CALI	200	3.98773E+07	199386.500	8.72

AVE RF **162965.800** RF RSD **12.53** AVE RT **8.72**

cis-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

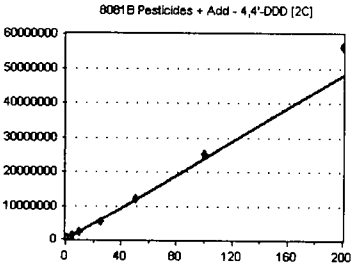


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	200734	401468.000	8.76
0C24036-CALB	1	371890	371890.000	8.76
0C24036-CALC	2	633230	316615.000	8.76
0C24036-CALD	5	1501113	300222.600	8.76
0C24036-CALE	10	2912480	291248.000	8.76
0C24036-CALF	25	7435646	297425.800	8.76
0C24036-CALG	50	1.483208E+07	296641.600	8.76
0C24036-CALH	100	3.244128E+07	324412.800	8.76
0C24036-CALI	200	6.954273E+07	347713.600	8.76

AVE RF **327515.300** RF RSD **11.77** AVE RT **8.76**

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	121353	242706.000	8.77
0C24036-CAL2	1	235370	235370.000	8.77
0C24036-CAL3	2	459481	229740.500	8.76
0C24036-CAL4	5	1150449	230089.800	8.76
0C24036-CAL5	10	2247089	224708.900	8.76
0C24036-CAL6	25	5545997	221839.900	8.76
0C24036-CAL7	50	1.227476E+07	245495.200	8.76
0C24036-CAL8	100	2.526885E+07	252688.500	8.76
0C24036-CAL9	200	5.6579E+07	282895.000	8.76

AVE RF **240614.900** RF RSD **7.81** AVE RT **8.76**

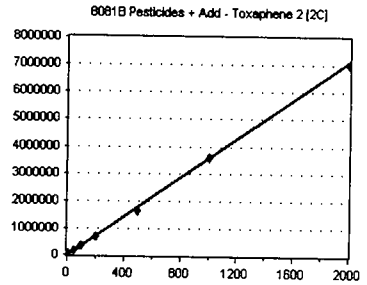
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

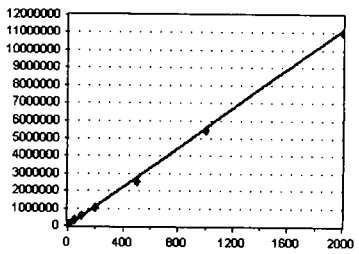


Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	38990	3899.000	8.82
0C24036-CALR	50	191843	3836.860	8.82
0C24036-CALS	100	355195	3551.950	8.82
0C24036-CALT	200	676906	3384.530	8.82
0C24036-CALU	500	1632080	3264.160	8.82
0C24036-CALV	1000	3583528	3583.528	8.82
0C24036-CALW	2000	6997810	3498.905	8.82

AVE RF **3574.133** RF RSD **6.39** AVE RT **8.82**

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

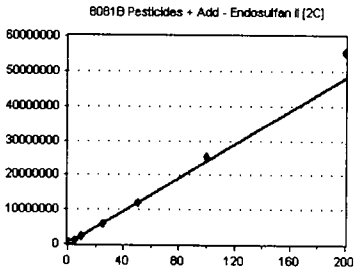


Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	64506	6450.600	8.85
0C24036-CALR	50	293570	5871.400	8.85
0C24036-CALS	100	562449	5624.490	8.85
0C24036-CALT	200	1026403	5132.015	8.85
0C24036-CALU	500	2521196	5042.392	8.85
0C24036-CALV	1000	5442521	5442.521	8.85
0C24036-CALW	2000	1.104245E+07	5521.225	8.85

AVE RF **5583.520** RF RSD **8.52** AVE RT **8.85**

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

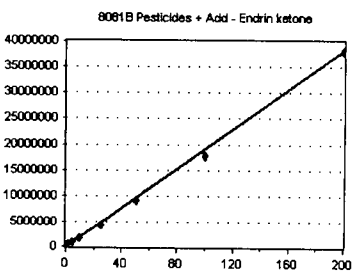


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	127427	254854.000	8.87
0C24036-CAL2	1	236237	236237.000	8.87
0C24036-CAL3	2	458827	229413.500	8.87
0C24036-CAL4	5	1121325	224265.000	8.87
0C24036-CAL5	10	2179899	217989.900	8.87
0C24036-CAL6	25	5692155	227686.200	8.87
0C24036-CAL7	50	1.18898E+07	237796.000	8.87
0C24036-CAL8	100	2.539344E+07	253934.400	8.87
0C24036-CAL9	200	5.538608E+07	276930.400	8.87

AVE RF **239900.700** RF RSD **7.79** AVE RT **8.87**

Endrin ketone

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	113093	226186.000	8.90
0C24036-CAL2	1	212548	212548.000	8.90
0C24036-CAL3	2	384343	192171.500	8.90
0C24036-CAL4	5	944342	188868.400	8.90
0C24036-CAL5	10	1786134	178613.400	8.90
0C24036-CAL6	25	4268654	170746.200	8.90
0C24036-CAL7	50	9095515	181910.300	8.90
0C24036-CAL8	100	1.769339E+07	176933.900	8.90
0C24036-CAL9	200	3.81484E+07	190742.000	8.90

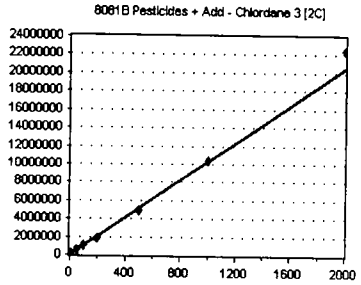
AVE RF **190968.900** RF RSD **9.35** AVE RT **8.90**

Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Chlordane 3 [2C]

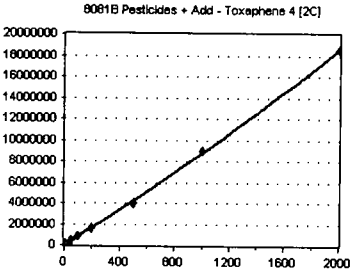


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0C24036-CALJ	10	111290	11129.000	8.90
0C24036-CALK	50	474158	9483.160	8.90
0C24036-CALL	100	1039600	10396.000	8.90
0C24036-CALM	200	1823031	9115.155	8.90
0C24036-CALN	500	4941415	9882.830	8.90
0C24036-CALO	1000	1.041749E+07	10417.490	8.90
0C24036-CALP	2000	2.241816E+07	11209.080	8.90

AVE RF **10233.250** RF RSD **7.73** AVE RT **8.90**

Toxaphene 4 [2C]

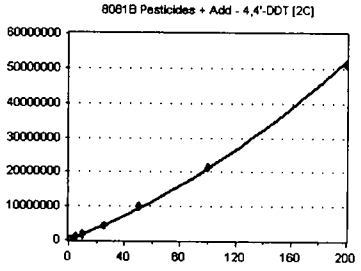


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	116261	11626.100	8.92
0C24036-CALR	50	456067	9121.340	8.92
0C24036-CALS	100	879719	8797.190	8.92
0C24036-CALT	200	1629969	8149.845	8.92
0C24036-CALU	500	4046166	8092.332	8.92
0C24036-CALV	1000	8989591	8989.591	8.92
0C24036-CALW	2000	1.854843E+07	9274.215	8.92

AVE RF **9150.088** RF RSD **12.94** AVE RT **8.92**

4,4'-DDT [2C]

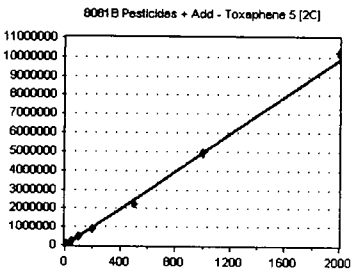


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	75283	150566.000	8.99
0C24036-CAL2	1	143366	143366.000	8.99
0C24036-CAL3	2	293276	146638.000	8.99
0C24036-CAL4	5	826552	165310.400	8.99
0C24036-CAL5	10	1621620	162162.000	8.99
0C24036-CAL6	25	4248274	169931.000	8.99
0C24036-CAL7	50	1.017678E+07	203535.600	8.99
0C24036-CAL8	100	2.132001E+07	213200.100	8.99
0C24036-CAL9	200	5.12436E+07	256218.000	8.99

AVE RF **178991.900** RF RSD **21.10** AVE RT **8.99**

Toxaphene 5 [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	54945	5494.500	9.10
0C24036-CALR	50	253621	5072.420	9.10
0C24036-CALS	100	488364	4883.640	9.10
0C24036-CALT	200	904494	4522.470	9.10
0C24036-CALU	500	2276816	4553.632	9.09
0C24036-CALV	1000	4954854	4954.854	9.09
0C24036-CALW	2000	1.022038E+07	5110.190	9.09

AVE RF **4941.672** RF RSD **6.82** AVE RT **9.09**

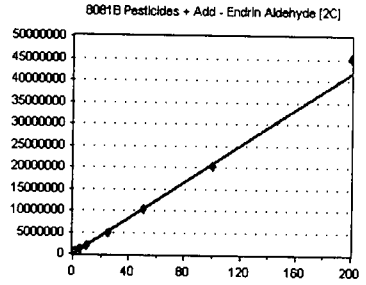
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Endrin Aldehyde [2C]

Curve Fit: **AVERAGE RF**

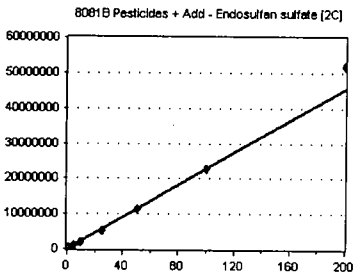


Standard	Concentration	Response	Response Factor	RT
~~0C24036-CAL1~~	~~0.5~~	~~174071~~	~~348142.000~~	~~9.11~~
~~0C24036-CAL2~~	~~1~~	~~337369~~	~~337369.000~~	~~9.11~~
0C24036-CAL3	2	448662	224331.000	9.11
0C24036-CAL4	5	1046598	209319.600	9.10
0C24036-CAL5	10	1961779	196177.900	9.11
0C24036-CAL6	25	4831046	193241.800	9.10
0C24036-CAL7	50	1.013818E+07	202763.600	9.10
0C24036-CAL8	100	2.040114E+07	204011.400	9.10
0C24036-CAL9	200	4.523548E+07	226177.400	9.10

AVE RF **208003.200** RF RSD **6.21** AVE RT **9.10**

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

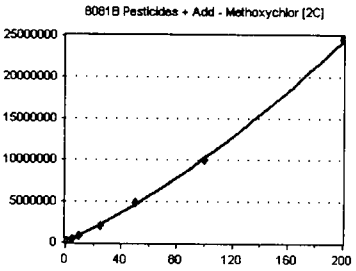


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	122422	244844.000	9.30
0C24036-CAL2	1	232214	232214.000	9.30
0C24036-CAL3	2	442393	221196.500	9.30
0C24036-CAL4	5	1094098	218819.600	9.30
0C24036-CAL5	10	2092636	209263.600	9.30
0C24036-CAL6	25	5149242	205969.700	9.30
0C24036-CAL7	50	1.145496E+07	229099.200	9.29
0C24036-CAL8	100	2.283348E+07	228334.800	9.30
0C24036-CAL9	200	5.190204E+07	259510.200	9.29

AVE RF **227694.600** RF RSD **7.38** AVE RT **9.30**

Methoxychlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

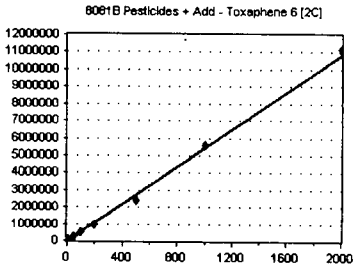


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	48420	96840.000	9.47
0C24036-CAL2	1	89258	89258.000	9.47
0C24036-CAL3	2	178580	89290.000	9.47
0C24036-CAL4	5	445546	89109.200	9.47
0C24036-CAL5	10	846036	84603.600	9.47
0C24036-CAL6	25	2040469	81618.760	9.47
0C24036-CAL7	50	4887200	97744.000	9.47
0C24036-CAL8	100	9955852	99558.520	9.47
0C24036-CAL9	200	2.459388E+07	122969.400	9.47

AVE RF **94554.610** RF RSD **12.95** AVE RT **9.47**

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CALQ	10	60756	6075.600	9.48
0C24036-CALR	50	273442	5468.840	9.48
0C24036-CALS	100	529637	5296.370	9.48
0C24036-CALT	200	998411	4992.055	9.48
0C24036-CALU	500	2424995	4849.990	9.48
0C24036-CALV	1000	5554464	5554.464	9.48
0C24036-CALW	2000	1.118889E+07	5594.445	9.48

AVE RF **5404.538** RF RSD **7.56** AVE RT **9.48**

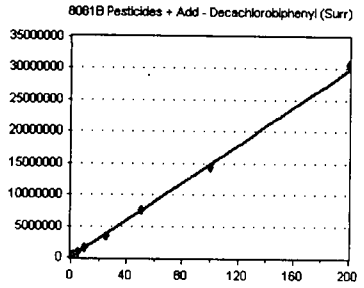
Element Calibration Review Sheet

Calibration ID: **A0C2504** Instrument: **DUALECD5** Calibration Date: **03/25/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD5_QUANTPEST_20032**

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

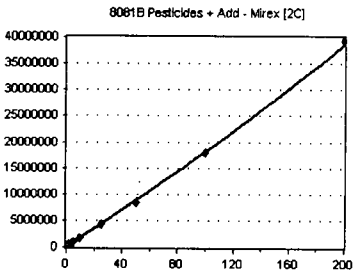


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	98116	196232.000	9.59
0C24036-CAL2	1	181183	181183.000	9.59
0C24036-CAL3	2	338359	169179.500	9.59
0C24036-CAL4	5	799034	159806.800	9.59
0C24036-CAL5	10	1476751	147675.100	9.59
0C24036-CAL6	25	3497021	139880.800	9.59
0C24036-CAL7	50	7476041	149520.800	9.59
0C24036-CAL8	100	1.431762E+07	143176.200	9.59
0C24036-CAL9	200	3.060389E+07	153019.500	9.59

AVE RF **159963.700** RF RSD **11.79** AVE RT **9.59**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

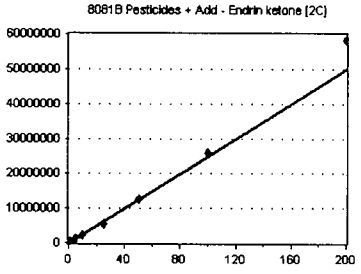


Standard	Concentration	Response	Response Factor	RT
0C24036-CALA	0.5	155731	311462.000	9.69
0C24036-CALB	1	260806	260806.000	9.69
0C24036-CALC	2	416537	208268.500	9.69
0C24036-CALD	5	917688	183537.600	9.69
0C24036-CALE	10	1755471	175547.100	9.69
0C24036-CALF	25	4337194	173487.800	9.69
0C24036-CALG	50	8504353	170087.100	9.69
0C24036-CALH	100	1.789964E+07	178996.400	9.69
0C24036-CALI	200	3.92653E+07	196326.500	9.69

AVE RF **206502.100** RF RSD **23.43** AVE RT **9.69**

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

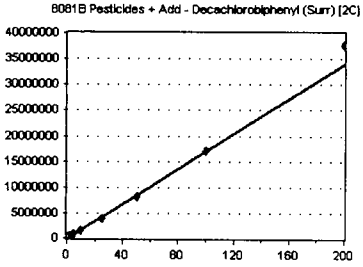


Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	132508	265016.000	9.70
0C24036-CAL2	1	246568	246568.000	9.70
0C24036-CAL3	2	474690	237345.000	9.70
0C24036-CAL4	5	1186676	237335.200	9.70
0C24036-CAL5	10	2307847	230784.700	9.70
0C24036-CAL6	25	5671298	226851.900	9.70
0C24036-CAL7	50	1.254734E+07	250946.800	9.70
0C24036-CAL8	100	2.579431E+07	257943.100	9.70
0C24036-CAL9	200	5.821762E+07	291088.100	9.70

AVE RF **249319.900** RF RSD **8.04** AVE RT **9.70**

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C24036-CAL1	0.5	90290	180580.000	10.55
0C24036-CAL2	1	178563	178563.000	10.56
0C24036-CAL3	2	341403	170701.500	10.55
0C24036-CAL4	5	836468	167293.600	10.55
0C24036-CAL5	10	1539567	153956.700	10.55
0C24036-CAL6	25	3867029	154681.200	10.55
0C24036-CAL7	50	8231591	164631.800	10.55
0C24036-CAL8	100	1.698219E+07	169821.900	10.55
0C24036-CAL9	200	3.764612E+07	188230.600	10.55

AVE RF **169828.900** RF RSD **6.73** AVE RT **10.55**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C24036

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 Additionals 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 Additionals
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: 0C24036

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0C24036-ICB1	Initial Cal Blank	Water	A20B383		3/24/2020 1:58:00PM
0C24036-CAL1	Cal Standard	Water	A20C398	"	3/24/2020 2:15:00PM
0C24036-CAL2	Cal Standard	Water	A20C178	"	3/24/2020 2:33:00PM
0C24036-CAL3	Cal Standard	Water	A20C179	"	3/24/2020 2:50:00PM
0C24036-CAL4	Cal Standard	Water	A20C180	"	3/24/2020 3:07:00PM
0C24036-CAL5	Cal Standard	Water	A20C181	"	3/24/2020 3:24:00PM
0C24036-CAL6	Cal Standard	Water	A20C182	"	3/24/2020 3:41:00PM
0C24036-CAL7	Cal Standard	Water	A20C183	"	3/24/2020 3:59:00PM
0C24036-CAL8	Cal Standard	Water	A20C184	"	3/24/2020 4:16:00PM
0C24036-CAL9	Cal Standard	Water	A20C177	"	3/24/2020 4:33:00PM
0C24036-ICV1	Initial Cal Check	Water	A20C164	"	3/24/2020 5:07:00PM
0C24036-CALA	Cal Standard	Water	A20C399	"	3/24/2020 5:24:00PM
0C24036-CALB	Cal Standard	Water	A20C353	"	3/24/2020 5:42:00PM
0C24036-CALC	Cal Standard	Water	A20C354	"	3/24/2020 6:31:00PM
0C24036-CALD	Cal Standard	Water	A20C355	"	3/24/2020 6:48:00PM
0C24036-CALE	Cal Standard	Water	A20C356	"	3/24/2020 7:05:00PM
0C24036-CALF	Cal Standard	Water	A20C357	"	3/24/2020 7:22:00PM
0C24036-CALG	Cal Standard	Water	A20C358	"	3/24/2020 7:40:00PM
0C24036-CALH	Cal Standard	Water	A20C359	"	3/24/2020 7:57:00PM
0C24036-CALI	Cal Standard	Water	A20C352	"	3/24/2020 8:14:00PM
0C24036-ICV2	Initial Cal Check	Water	A20C360	"	3/24/2020 8:48:00PM
0C24036-CALJ	Cal Standard	Water	A20C400	"	3/24/2020 9:05:00PM
0C24036-CALK	Cal Standard	Water	A19K307	"	3/24/2020 9:22:00PM
0C24036-CALL	Cal Standard	Water	A19K308	"	3/24/2020 9:39:00PM
0C24036-CALM	Cal Standard	Water	A19K309	"	3/24/2020 9:56:00PM
0C24036-CALN	Cal Standard	Water	A19K310	"	3/24/2020 10:14:00PM
0C24036-CALO	Cal Standard	Water	A19K311	"	3/24/2020 10:31:00PM
0C24036-CALP	Cal Standard	Water	A19K306	"	3/24/2020 10:48:00PM
0C24036-ICV3	Initial Cal Check	Water	A19K312	"	3/24/2020 11:22:00PM
0C24036-CALQ	Cal Standard	Water	A20C401	"	3/24/2020 11:39:00PM
0C24036-CALR	Cal Standard	Water	A19J417	"	3/24/2020 11:56:00PM
0C24036-CALS	Cal Standard	Water	A19J418	"	3/25/2020 12:13:00AM
0C24036-CALT	Cal Standard	Water	A19J419	"	3/25/2020 12:31:00AM
0C24036-CALU	Cal Standard	Water	A19J420	"	3/25/2020 12:48:00AM
0C24036-CALV	Cal Standard	Water	A19J421	"	3/25/2020 1:05:00AM
0C24036-CALW	Cal Standard	Water	A19J416	"	3/25/2020 1:22:00AM
0C24036-ICV4	Initial Cal Check	Water	A19J422	"	3/25/2020 1:56:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: A0C2504 Instrument: DUALECD5F

1311/8081B TCLP Pest Reg L Sequence: 0C24036 Matrix: Water

0C24036-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0C24036-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C24036

0C24036-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C24036-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C24036

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 quadatic 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 otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0C2504** Instrument: **DUALECD5F**

608 Pesticides (SW) Full List Sequence: **0C24036** Matrix: **Water**

0C24036-ICV1	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0C24036-ICV2	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0C24036-ICV3	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0C24036-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.

Response Factor Report DUALECD5

Method Path : C:\msdchem\1\methods\
Method File : ECD5_QUANTPEST_200324.M
Title : Instrument: DualECD5
Last Update : Wed Mar 25 12:47:54 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD5-03242040.D 2 =ECD5-03242041.D 3 =ECD5-03242042.D 4 =ECD5-03242043.D 5 =ECD5-03242044.D
6 =ECD5-03242045.D 7 =ECD5-03242046.D 8 =ECD5-03242027.D 9 =ECD5-03242028.D

		Compound	1	2	3	4	5	6	7	8	9	Avg		%RSD
1)	S	TCMX (S)	2.211	2.076	1.946	1.929	1.871	1.805	1.848	1.835	1.864	1.932	E5	6.83
2)		a-BHC	2.743	2.656	2.667	2.659	2.560	2.520	2.623	2.579	2.679	2.632	E5	2.60
3)		g-BHC	2.401	2.355	2.310	2.288	2.232	2.163	2.275	2.273	2.289	2.287	E5	2.98
4)		b-BHC	1.124	1.052	0.968	0.936	0.873	0.865	0.912	0.919	0.962	0.957	E5	8.80
5)		Heptachlor	2.512	2.301	2.255	2.279	2.122	2.021	2.169	2.152	2.239	2.228	E5	6.20
6)		d-BHC	1.879	1.844	1.860	1.913	1.855	1.926	1.999	2.082	2.204	1.951	E5	6.27
7)		Aldrin	2.339	2.281	2.234	2.301	2.164	2.138	2.178	2.176	2.170	2.220	E5	3.22
8)		Heptachlor Exp...	2.332	2.248	2.108	2.046	1.918	1.887	1.957	1.938	2.011	2.049	E5	7.50
9)		trans-Chlordane	2.358	2.185	2.105	2.054	1.998	1.936	2.035	2.034	2.057	2.085	E5	5.91
10)		cis-Chlordane	2.408	2.222	2.092	2.019	1.892	1.869	1.977	1.943	2.008	2.048	E5	8.39
11)		Endosulfan I	2.183	2.027	1.970	1.971	1.839	1.816	1.875	1.820	1.899	1.933	E5	6.17
12)		4,4'-DDE	2.084	2.010	1.887	1.933	1.899	1.872	1.975	1.982	2.099	1.971	E5	4.18
13)		Dieldrin	2.312	2.192	2.119	2.124	2.075	1.989	2.136	2.083	2.090	2.125	E5	4.20
14)		Endrin	1.895	1.769	1.689	1.693	1.605	1.542	1.708	1.693	1.791	1.709	E5	6.01
15)		4,4'-DDD	1.787	1.719	1.625	1.559	1.528	1.533	1.577	1.638	1.743	1.634	E5	5.83
16)		Endosulfan II	1.897	1.796	1.681	1.631	1.566	1.543	1.604	1.637	1.723	1.675	E5	6.81
17)		4,4'-DDT	1.283	1.214	1.197	1.258	1.240	1.216	1.430	1.414	1.638	1.321	E5	11.06
18)		Endrin Aldehyde			1.698	1.515	1.419	1.326	1.423	1.380	1.485	1.464	E5	8.27
19)		Endosulfan Sul...	1.931	1.815	1.657	1.637	1.520	1.477	1.593	1.543	1.626	1.644	E5	8.82
20)		Methoxychlor	8.418	7.913	7.073	7.110	6.495	6.076	6.947	6.823	8.088	7.216	E4	10.70
21)		Endrin Ketone	2.262	2.125	1.922	1.889	1.786	1.707	1.819	1.769	1.907	1.910	E5	9.35
22)	S	DCBP (S)	1.962	1.812	1.692	1.598	1.477	1.399	1.495	1.432	1.530	1.600	E5	11.79
23)		Hexachlorobuta...	2.780	2.530	2.198	1.971	1.914	1.898	1.743	1.806	1.903	2.083	E5	16.96
24)		Hexachlorobenzene	2.709	2.488	2.096	1.883	1.821	1.822	1.752	1.819	1.891	2.031	E5	16.74
25)		Oxychlordane	2.469	2.286	1.934	1.751	1.728	1.695	1.630	1.657	1.741	1.877	E5	15.99
26)		2,4'-DDE	1.664	1.567	1.336	1.254	1.238	1.208	1.182	1.223	1.310	1.331	E5	12.76
27)		trans-Nonachlor	2.774	2.507	2.115	1.964	1.958	1.908	1.788	1.872	1.971	2.095	E5	15.66
28)		2,4'-DDD	1.593	1.487	1.199	1.114	1.077	1.078	1.024	1.085	1.128	1.198	E5	16.77
29)		2,4'-DDT	1.356	1.299	1.043	1.001	1.039	1.050	1.022	1.095	1.205	1.123	E5	11.64
30)		cis-Nonachlor	2.866	2.681	2.214	2.089	2.057	2.102	1.986	2.013	2.160	2.241	E5	13.98
31)		Mirex	2.254	2.030	1.617	1.405	1.334	1.292	1.243	1.240	1.313	1.525	E5	24.38
32)		Chlordane (1)	2.468	2.205	2.486	2.226	2.270	2.334	2.350			2.334	E4	4.75
33)		Chlordane (2)	2.827	2.610	2.775	2.550	2.549	2.607	2.669			2.655	E4	4.09
34)		Chlordane (3)	7.502	7.057	7.703	6.647	7.223	7.302	7.453			7.270	E3	4.74
35)		Chlordane - AVE										0.000		-1.00
36)		Toxaphene (1)	1.122	1.180	1.111	0.990	0.950	0.981	0.941			1.039	E3	9.26
37)		Toxaphene (2)	2.305	2.131	1.980	1.781	1.718	1.744	1.704			1.909	E3	12.35
38)		Toxaphene (3)	4.721	4.413	4.123	3.771	3.640	4.007	3.861			4.077	E3	9.32
39)		Toxaphene (4)	4.757	4.119	3.918	3.647	3.565	3.786	3.705			3.928	E3	10.41
40)		Toxaphene (5)	3.295	3.204	3.132	2.880	2.732	3.149	3.080			3.067	E3	6.36
41)		Toxaphene (6)	4.533	4.148	4.129	3.706	3.579	3.946	3.998			4.006	E3	7.82
42)		Toxaphene - AVE										0.000		-1.00

MJ 3/25/20

Method Path : C:\msdchem\1\methods\
Method File : ECD5_QUANTPEST_200324.M
Title : Instrument: DualECD5

Signal #2 Calibration Files
1 =ECD5-03242040.D 2 =ECD5-03242041.D 3 =ECD5-03242042.D
4 =ECD5-03242043.D 5 =ECD5-03242044.D 6 =ECD5-03242045.D

		Compound	1	2	3	4	5	6	Avg	%RSD
44)	S	TCMX (S) #2	3.289	2.863	2.749	2.672	2.673	2.608	2.804 E5	7.95
45)		a-BHC #2	3.808	3.773	3.849	3.924	3.940	3.848	4.184 E5	8.15
46)		g-BHC #2	3.546	3.427	3.401	3.363	3.375	3.297	3.643 E5	6.60
47)		b-BHC #2	1.713	1.608	1.515	1.457	1.376	1.362	1.417 E5	7.74
48)		Heptachlor #2	3.529	3.298	3.350	3.245	3.096	3.048	3.390 E5	6.42
49)		d-BHC #2	3.092	3.056	3.099	3.089	3.066	3.105	3.323 E5	9.52
50)		Aldrin #2	3.235	3.078	3.136	3.143	3.096	3.138	3.354 E5	6.17
51)		Heptachlor Exp...	3.152	2.985	2.936	2.860	2.823	2.734	2.976 E5	5.61
52)		trans-Chlordan...	3.184	2.991	2.920	2.925	2.808	2.815	3.060 E5	6.25
53)		cis-Chlordane #2	3.115	2.922	2.817	2.777	2.751	2.734	2.819 E5	5.62
54)		Endosulfan I #2	2.787	2.710	2.656	2.638	2.496	2.542	2.778 E5	5.84
55)		4,4'-DDE #2	2.751	2.691	2.677	2.767	2.682	2.767	2.962 E5	8.28
56)		Dieldrin #2	2.940	2.920	2.797	2.843	2.801	2.829	3.073 E5	6.83
57)		Endrin #2	2.356	2.226	2.136	2.226	2.149	2.051	2.342 E5	8.47
58)		4,4'-DDD #2	2.427	2.354	2.297	2.301	2.247	2.218	2.455 E5	7.81
59)		Endosulfan II #2	2.549	2.362	2.294	2.243	2.180	2.277	2.378 E5	7.79
60)		4,4'-DDT #2	1.506	1.434	1.466	1.653	1.622	1.699	2.035 E5	21.10
61)		Endrin Aldehyd...			2.243	2.093	1.962	1.932	2.028 E5	6.21
62)		Endosulfan Sul...	2.448	2.322	2.212	2.188	2.093	2.060	2.291 E5	7.38
63)		Methoxychlor #2	0.968	0.893	0.893	0.891	0.846	0.816	0.977 E5	12.95
64)		Endrin Ketone #2	2.650	2.466	2.373	2.373	2.308	2.269	2.509 E5	8.04
65)	S	DCBP (S) #2	1.806	1.786	1.707	1.673	1.540	1.547	1.646 E5	6.73
66)		Hexachlorobuta...	5.030	4.642	4.038	3.778	3.659	3.666	3.488 E5	12.98
67)		Hexachlorobenz...	4.039	3.607	3.065	2.834	2.829	2.883	2.841 E5	13.26
68)		Oxychlordane #2	3.611	3.340	2.745	2.547	2.482	2.548	2.429 E5	14.67
69)		2,4'-DDE #2	2.499	2.385	1.987	1.872	1.859	1.846	1.875 E5	11.99
70)		trans-Nonachlo...	3.895	3.604	3.077	2.820	2.786	2.772	2.767 E5	13.11
71)		2,4'-DDD #2	2.422	2.221	1.830	1.696	1.664	1.652	1.627 E5	15.09
72)		2,4'-DDT #2	1.875	1.747	1.466	1.420	1.455	1.491	1.556 E5	12.53
73)		cis-Nonachlor #2	4.015	3.719	3.166	3.002	2.912	2.974	2.966 E5	11.77
74)		Mirex #2	3.115	2.608	2.083	1.835	1.755	1.735	1.701 E5	23.43
75)		Chlordane (1) #2	3.857	3.575	4.070	3.679	3.833	4.198	4.370 E4	7.24
76)		Chlordane (2) #2	3.417	2.951	3.328	3.068	3.217	3.385	3.559 E4	6.44
77)		Chlordane (3) #2	1.113	0.948	1.040	0.912	0.988	1.042	1.121 E4	7.73
78)		Chlordane - AV...							0.000	-1.00
79)		Toxaphene (1) #2	3.130	3.128	2.873	2.662	2.568	2.710	2.616 E3	8.40
80)		Toxaphene (2) #2	3.899	3.837	3.552	3.385	3.264	3.584	3.499 E3	6.39
81)		Toxaphene (3) #2	6.451	5.871	5.624	5.132	5.042	5.443	5.521 E3	8.52
82)		Toxaphene (4) #2	1.163	0.912	0.880	0.815	0.809	0.899	0.927 E4	12.94
83)		Toxaphene (5) #2	5.495	5.072	4.884	4.522	4.554	4.955	5.110 E3	6.82
84)		Toxaphene (6) #2	6.076	5.469	5.296	4.992	4.850	5.554	5.594 E3	7.56
85)		Toxaphene - AV...							0.000	-1.00

(#) = Out of Range

Compound List Report DUALECD5

Method Path : C:\msdchem\1\methods\
Method File : ECD5_QUANTPEST_200324.M
Title : Instrument: DualECD5
Last Update : Wed Mar 25 12:47:54 2020
Response Via : Initial Calibration

Total Cpnds : 85

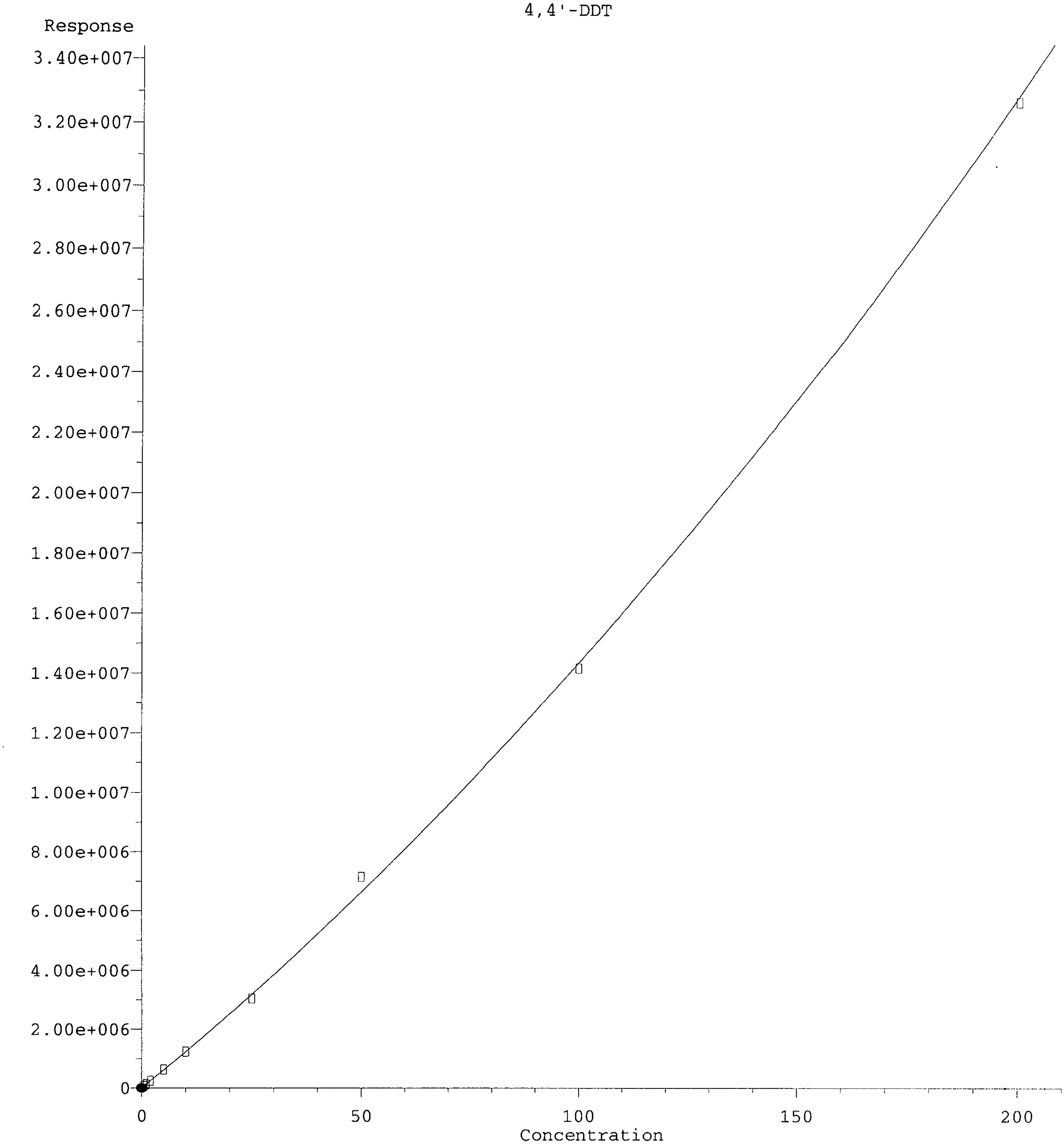
MJB 4/25/20

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.390	1.000	A	H	R
2		a-BHC	5.930	1.000	A	H	R
3		g-BHC	6.213	1.000	A	H	R
4		b-BHC	6.287	1.000	A	H	R
5		Heptachlor	6.622	1.000	A	H	R
6		d-BHC	6.438	1.000	A	H	R
7		Aldrin	6.863	1.000	A	H	R
8		Heptachlor Expoxide	7.325	1.000	A	H	R
9		trans-Chlordane	7.419	1.000	A	H	R
10		cis-Chlordane	7.516	1.000	A	H	R
11		Endosulfan I	7.614	1.000	A	H	R
12		4,4'-DDE	7.577	1.000	A	H	R
13		Dieldrin	7.786	1.000	A	H	R
14		Endrin	7.951	1.000	A	H	R
15		4,4'-DDD	7.999	1.000	A	H	R
16		Endosulfan II	8.108	1.000	A	H	R
17		4,4'-DDT	8.196	1.000	Q	H	R
18		Endrin Aldehyde	8.398	1.000	A	H	R
19		Endosulfan Sulfate	8.700	1.000	A	H	R
20		Methoxychlor	8.531	1.000	Q	H	R
21		Endrin Ketone	8.894	1.000	A	H	R
22	S	DCBP (S)	9.588	1.000	Q	H	R
23		Hexachlorobutadiene	3.191	1.000	Q	H	R
24		Hexachlorobenzene	5.771	1.000	Q	H	R
25		Oxychlordane	7.251	1.000	Q	H	R
26		2,4'-DDE	7.326	1.000	Q	H	R
27		trans-Nonachlor	7.506	1.000	Q	H	R
28		2,4'-DDD	7.699	1.000	Q	H	R
29		2,4'-DDT	7.882	1.000	Q	H	R
30		cis-Nonachlor	7.977	1.000	Q	H	R
31		Mirex	8.645	1.000	Q	H	R
32		Chlordane (1)	7.419	1.000	A	H	R
33		Chlordane (2)	7.513	1.000	A	H	R
34		Chlordane (3)	8.063	1.000	A	H	R
35		Chlordane - AVE	3.704	1.000	A	H	R
36		Toxaphene (1)	7.494	1.000	A	H	R
37		Toxaphene (2)	7.787	1.000	Q	H	R
38		Toxaphene (3)	8.099	1.000	A	H	R
39		Toxaphene (4)	8.340	1.000	A	H	R
40		Toxaphene (5)	8.568	1.000	A	H	R
41		Toxaphene (6)	8.635	1.000	A	H	R
42		Toxaphene - AVE	3.698	1.000	A	H	R
43		Signal #2	3.796	1.000	A	H	R
44	S	TCMX (S) #2	5.986	1.000	A	H	R
45		a-BHC #2	6.594	1.000	A	H	R
46		g-BHC #2	6.913	1.000	A	H	R
47		b-BHC #2	6.976	1.000	A	H	R
48		Heptachlor #2	7.288	1.000	A	H	R
49		d-BHC #2	7.231	1.000	A	H	R
50		Aldrin #2	7.554	1.000	A	H	R
51		Heptachlor Expoxide #2	7.992	1.000	A	H	R
52		trans-Chlordane #2	8.132	1.000	A	H	R
53		cis-Chlordane #2	8.241	1.000	A	H	R
54		Endosulfan I #2	8.291	1.000	A	H	R
55		4,4'-DDE #2	8.346	1.000	A	H	R
56		Dieldrin #2	8.492	1.000	A	H	R

57		Endrin #2	8.719	1.000	A	H	R
58		4,4'-DDD #2	8.762	1.000	A	H	R
59		Endosulfan II #2	8.866	1.000	A	H	R
60		4,4'-DDT #2	8.989	1.000	Q	H	R
61		Endrin Aldehyde #2	9.103	1.000	A	H	R
62		Endosulfan Sulfate #2	9.294	1.000	A	H	R
63		Methoxychlor #2	9.468	1.000	Q	H	R
64		Endrin Ketone #2	9.695	1.000	A	H	R
65	S	DCBP (S) #2	10.552	1.000	A	H	R
66		Hexachlorobutadiene #2	3.673	1.000	Q	H	R
67		Hexachlorobenzene #2	6.452	1.000	Q	H	R
68		Oxychlordane #2	7.919	1.000	Q	H	R
69		2,4'-DDE #2	8.123	1.000	Q	H	R
70		trans-Nonachlor #2	8.194	1.000	Q	H	R
71		2,4'-DDD #2	8.497	1.000	Q	H	R
72		2,4'-DDT #2	8.722	1.000	Q	H	R
73		cis-Nonachlor #2	8.761	1.000	Q	H	R
74		Mirex #2	9.686	1.000	Q	H	R
75		Chlordane (1) #2	8.131	1.000	A	H	R
76		Chlordane (2) #2	8.239	1.000	A	H	R
77		Chlordane (3) #2	8.902	1.000	A	H	R
78		Chlordane - AVE #2	3.684	1.000	A	H	R
79		Toxaphene (1) #2	8.467	1.000	A	H	R
80		Toxaphene (2) #2	8.815	1.000	A	H	R
81		Toxaphene (3) #2	8.850	1.000	A	H	R
82		Toxaphene (4) #2	8.917	1.000	Q	H	R
83		Toxaphene (5) #2	9.094	1.000	A	H	R
84		Toxaphene (6) #2	9.475	1.000	A	H	R
85		Toxaphene - AVE #2	3.691	1.000	A	H	R

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

ECD5_QUANTPEST_200324.M Wed Mar 25 15:06:43 2020



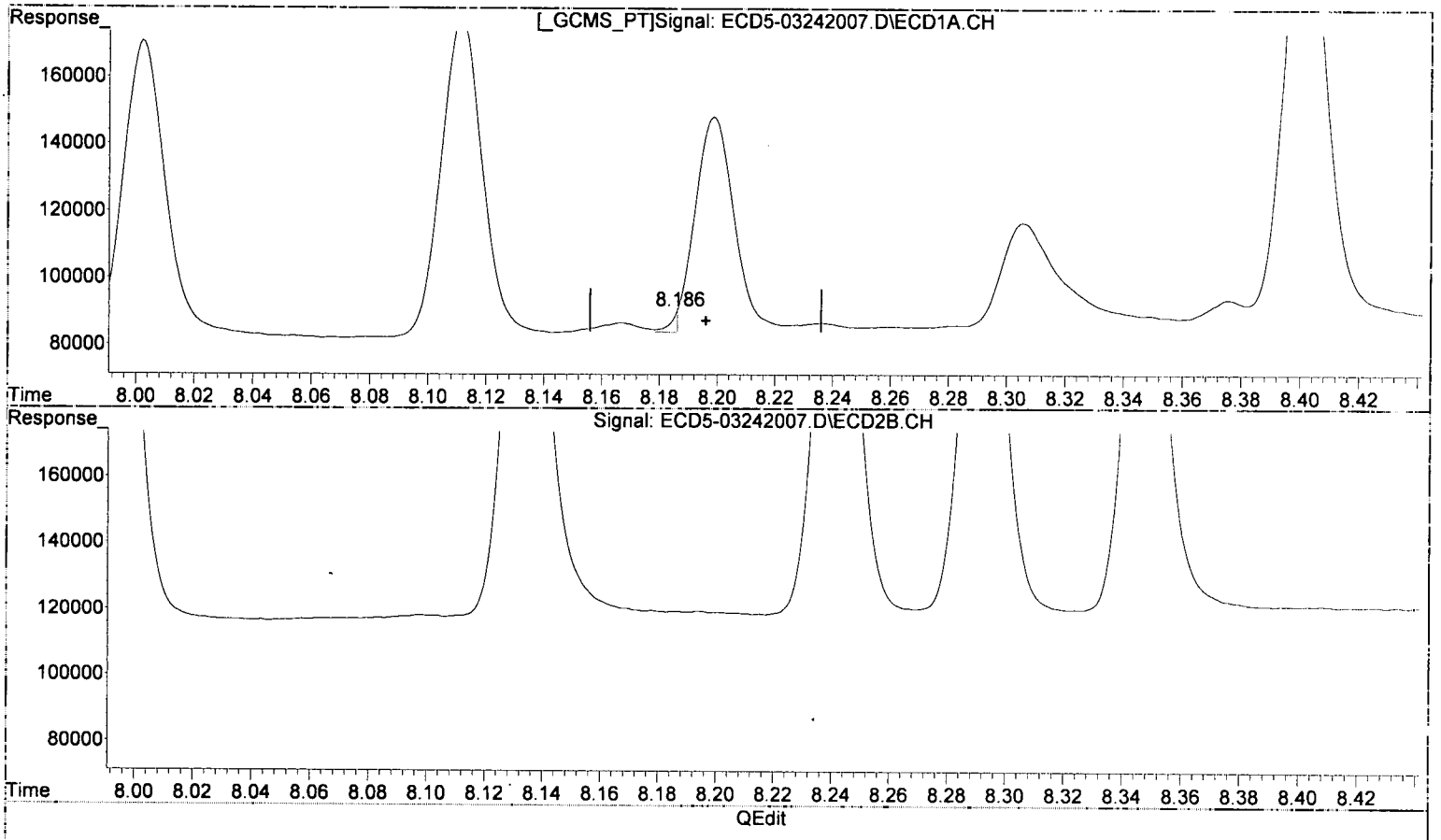
R = 2.15e+002 A*A + 1.22e+005 A + 2.17e+003
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

8.186min 0.036 ng/mL (m)

response 6604

MJB 3/25/20

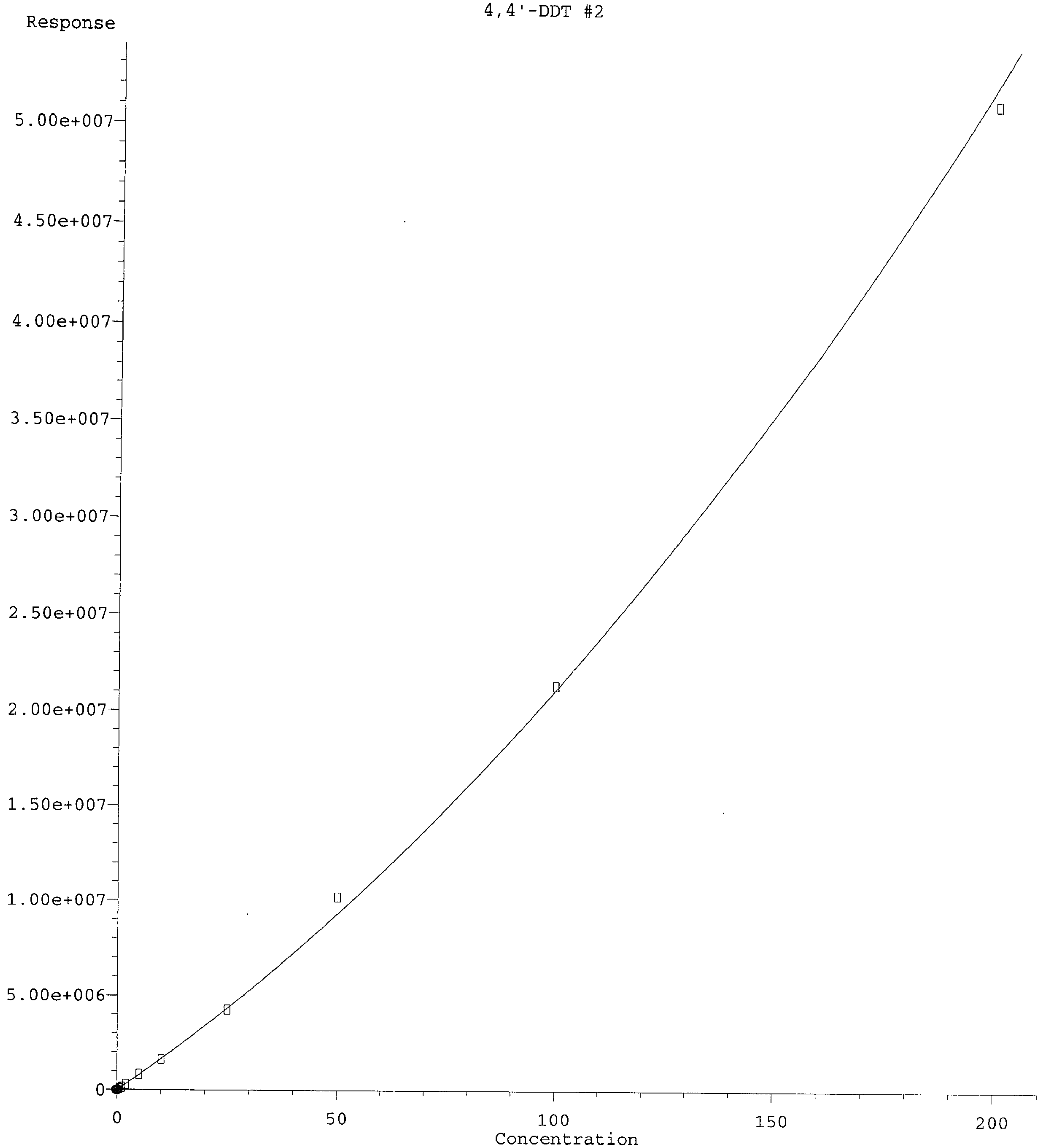
(17) 4,4'-DDT #2

8.990min 0.522 ng/mL

response 75283

(+) = Expected Retention Time

4,4'-DDT #2



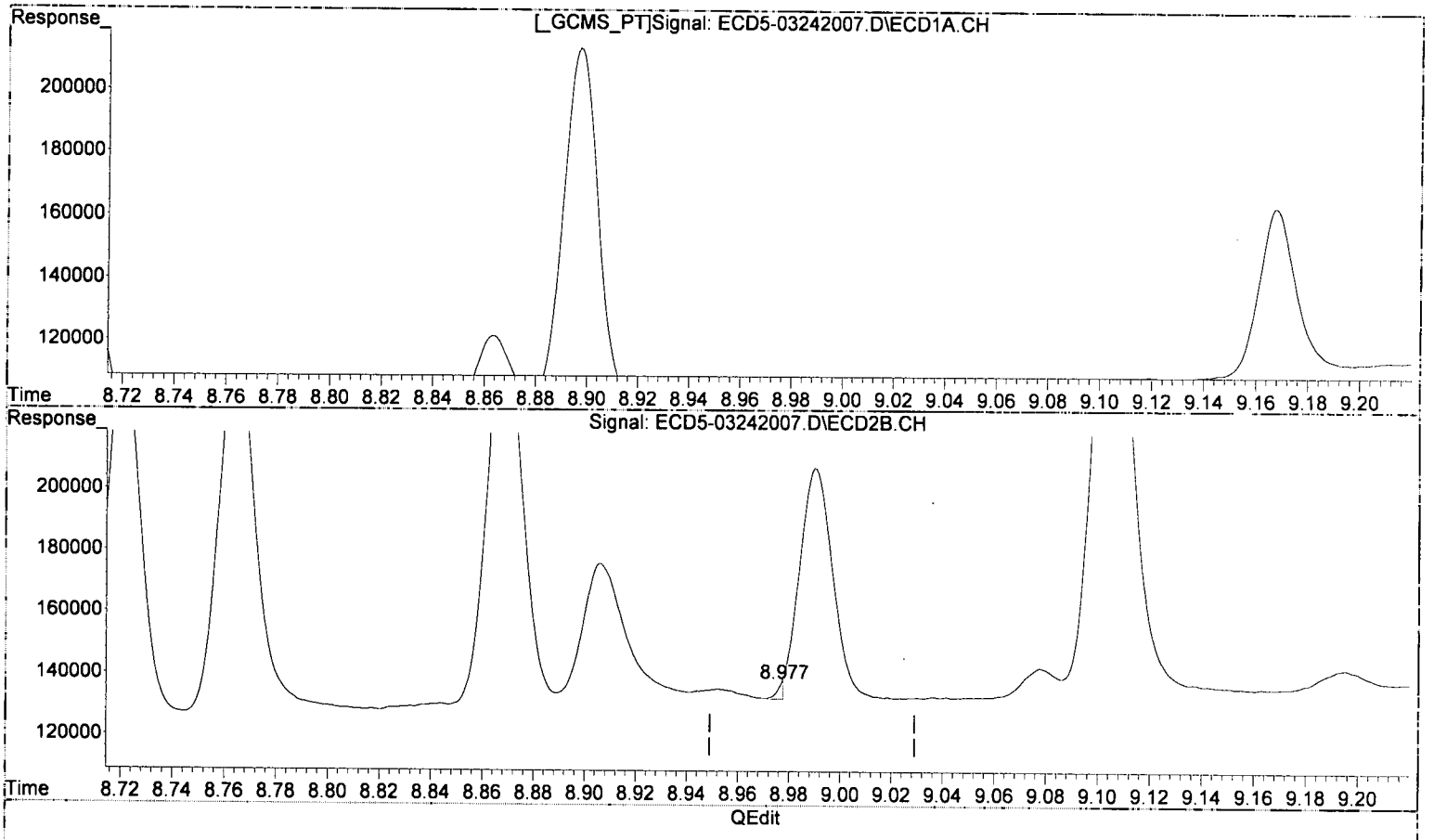
R = 5.03e+002 A*A + 1.61e+005 A - 8.69e+003
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

8.186min 0.036 ng/mL m

response 6604

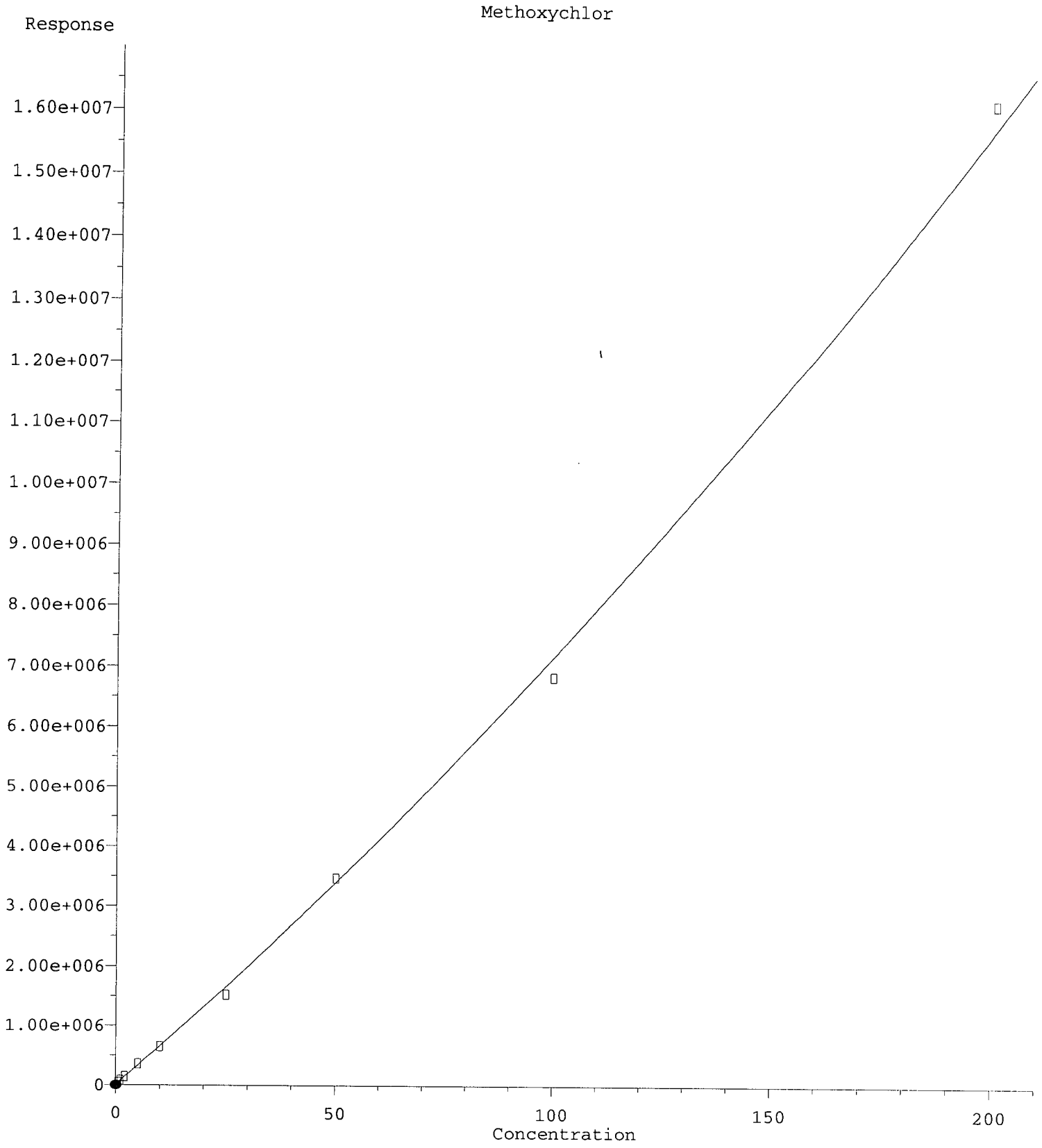
MJB 3/25/20

(17) 4,4'-DDT #2

8.977min 0.087 ng/mL m

response 5267

(+) = Expected Retention Time



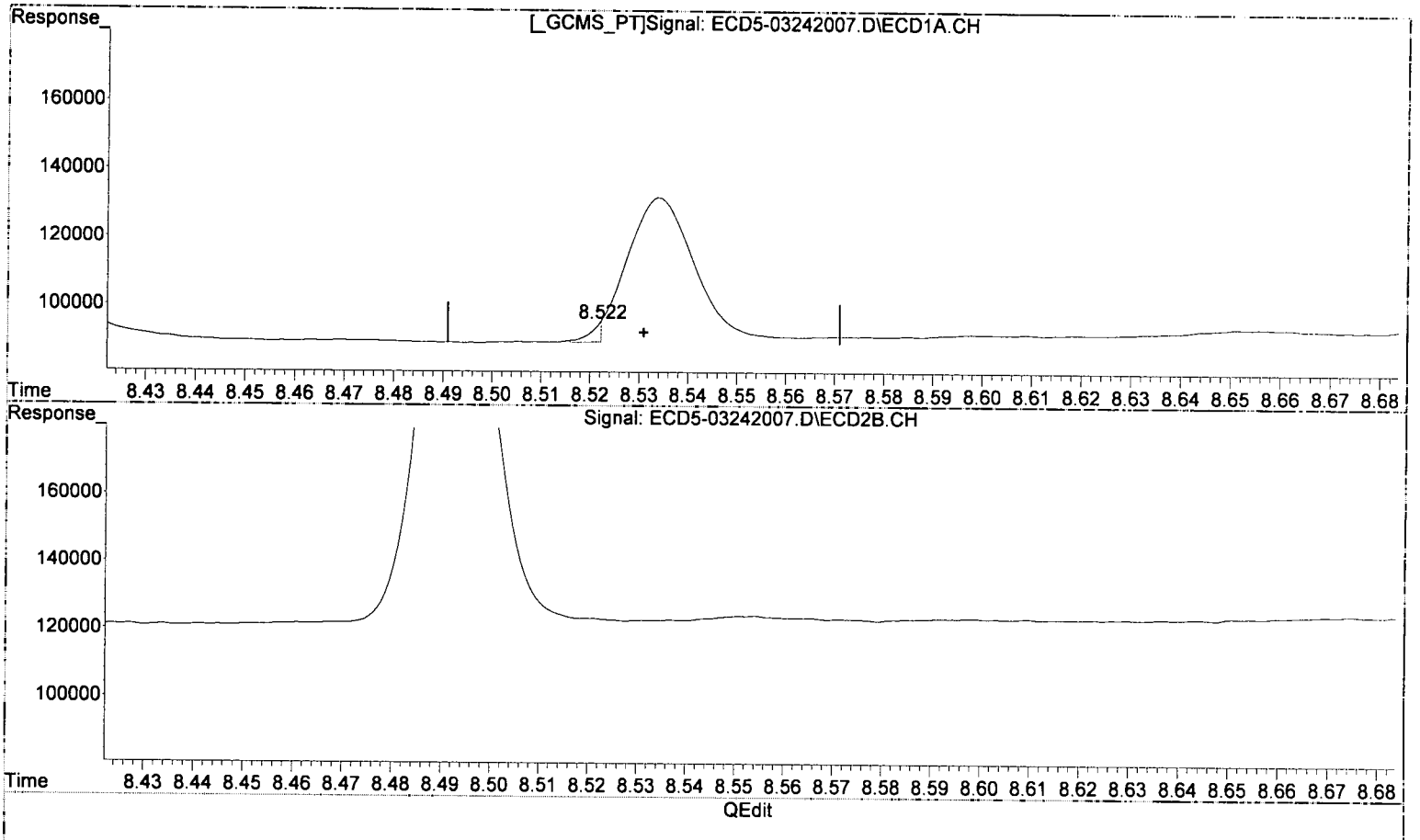
R = 7.38e+001 A*A + 6.41e+004 A + 1.12e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w/(1/a2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

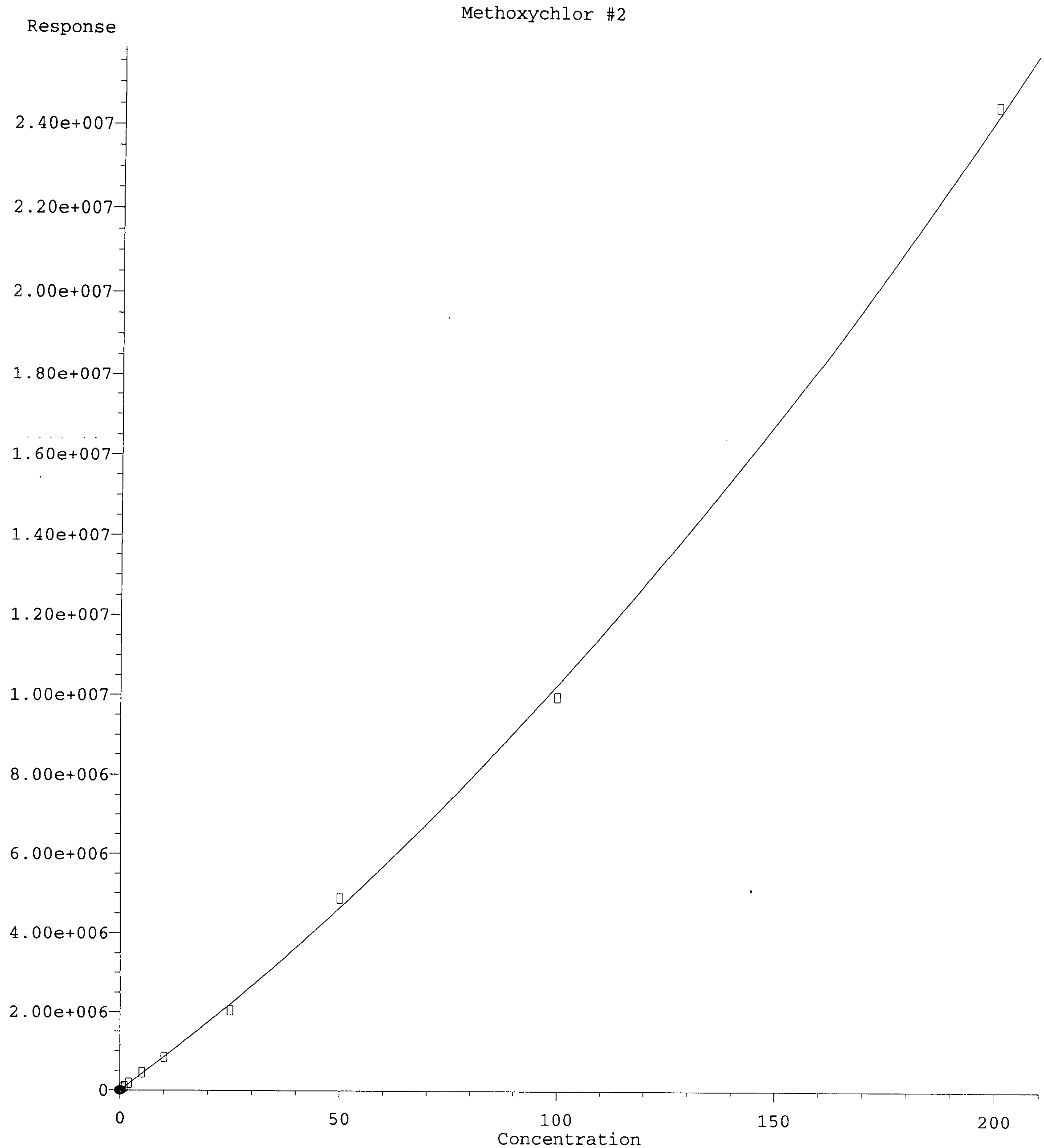


(20) Methoxychlor
8.522min -0.088 ng/mL (m)
response 5547

MJB 3/25/20

(20) Methoxychlor #2
9.470min 0.498 ng/mL
response 48420

(+) = Expected Retention Time



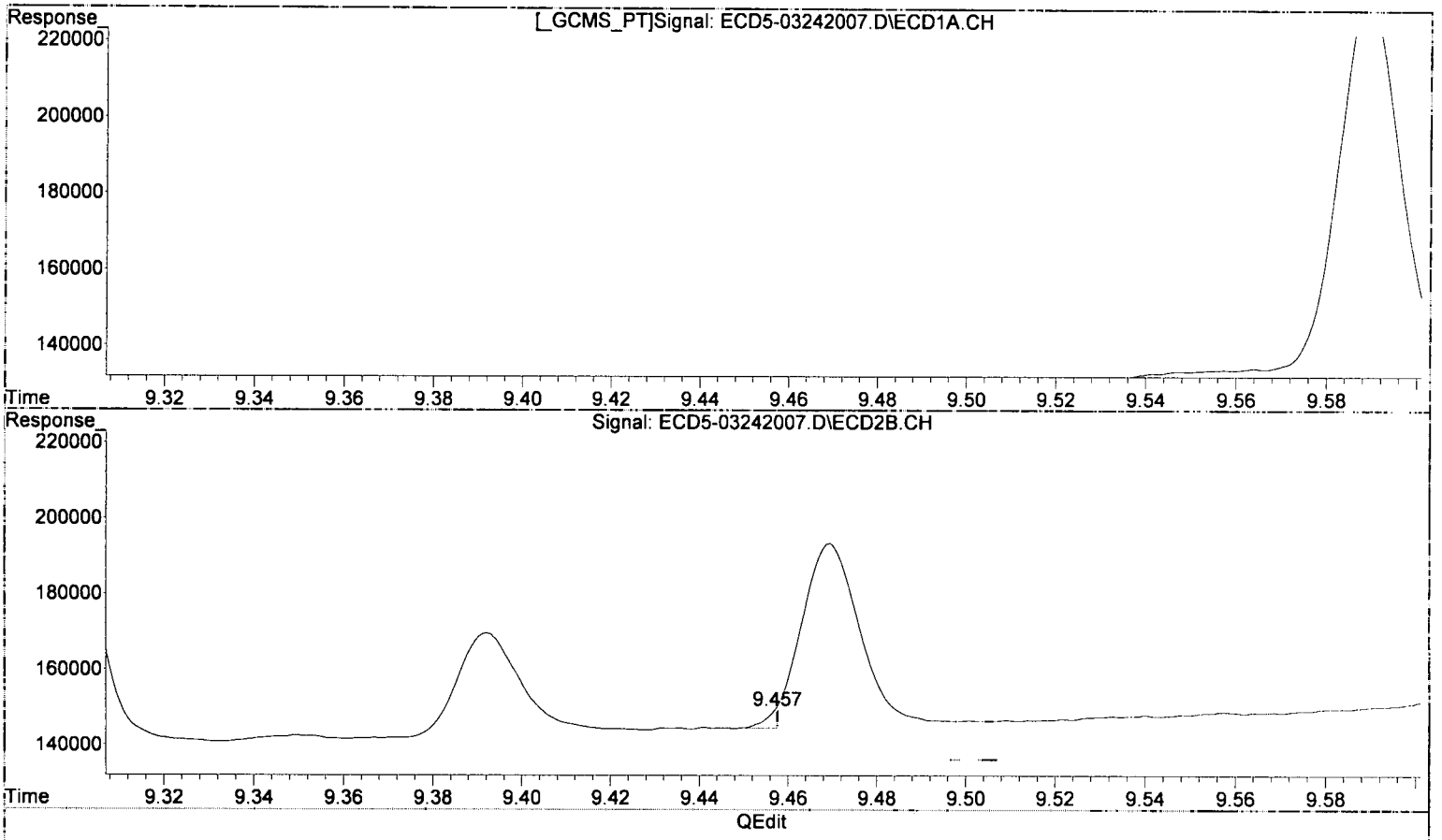
R = 1.94e+002 A*A + 8.30e+004 A + 7.00e+003
Coef of Det (r^2) = 0.998   Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

8.522min -0.088 ng/mL m

response 5547

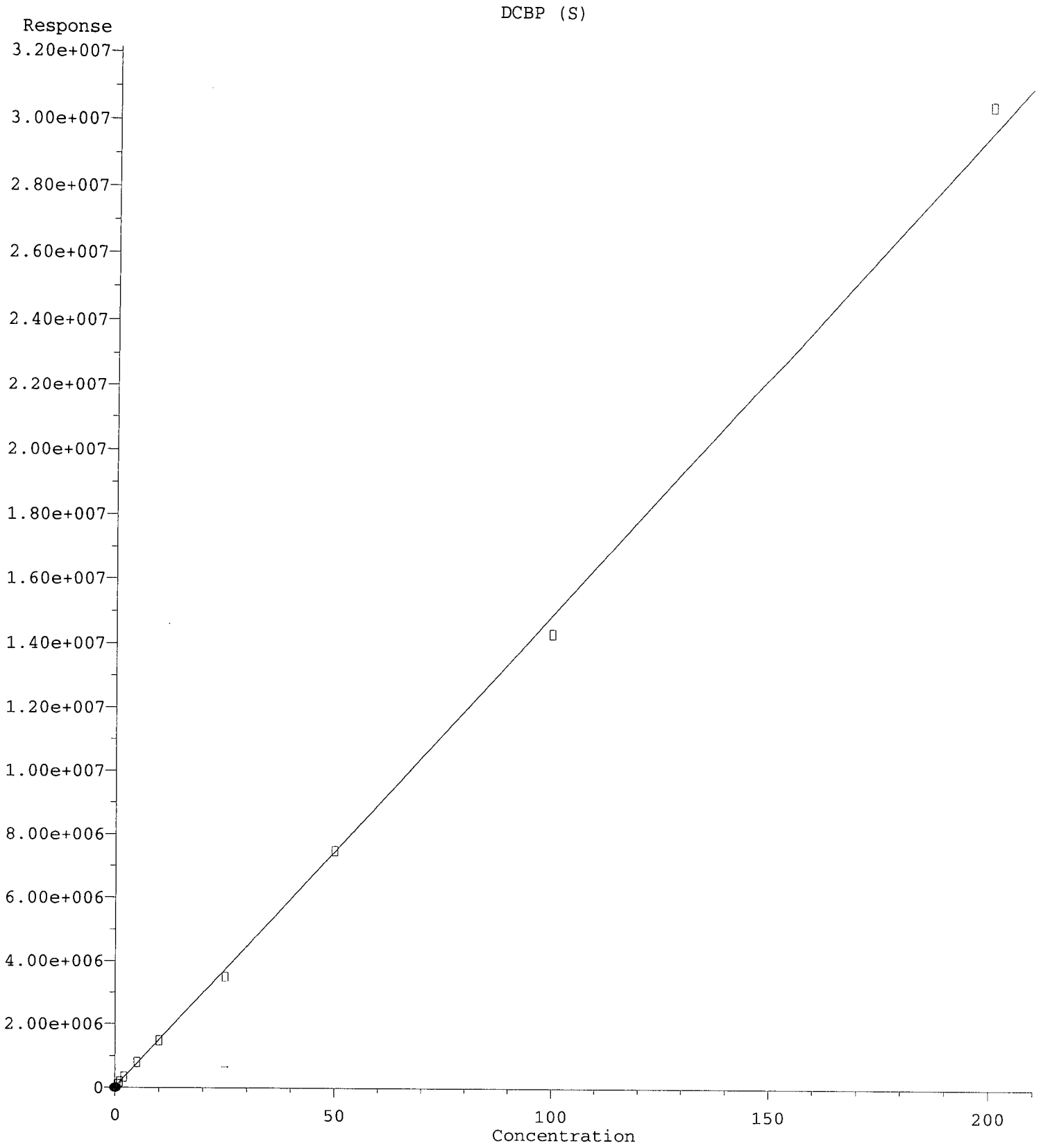
MB 3/25/20

(20) Methoxychlor #2

9.457min -0.026 ng/mL m

response 4848

(+) = Expected Retention Time



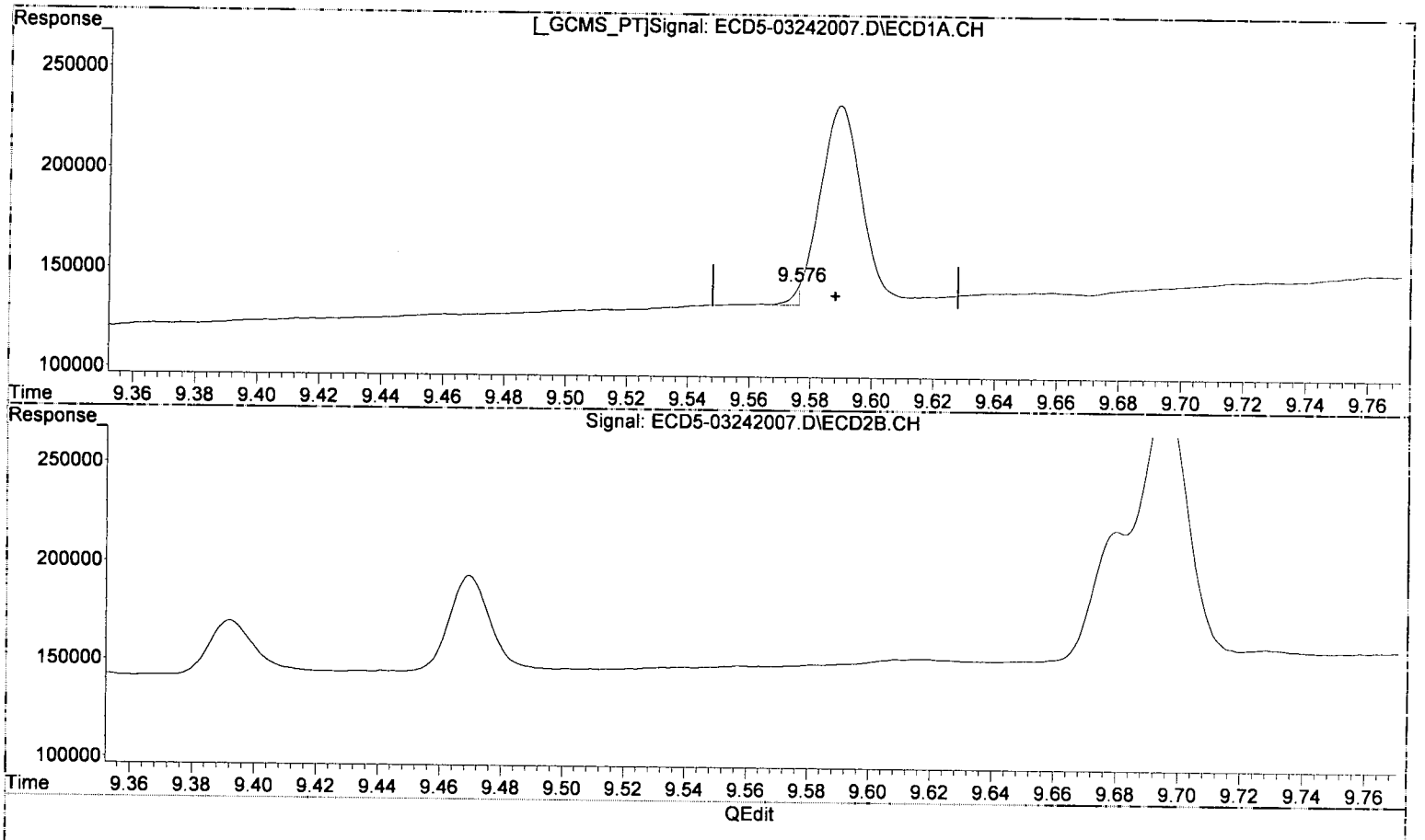
R = 2.61e+000 A*A + 1.48e+005 A + 2.65e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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)

9.576min -0.115 ng/mL (m)

response 9473

MJB 3/25/20

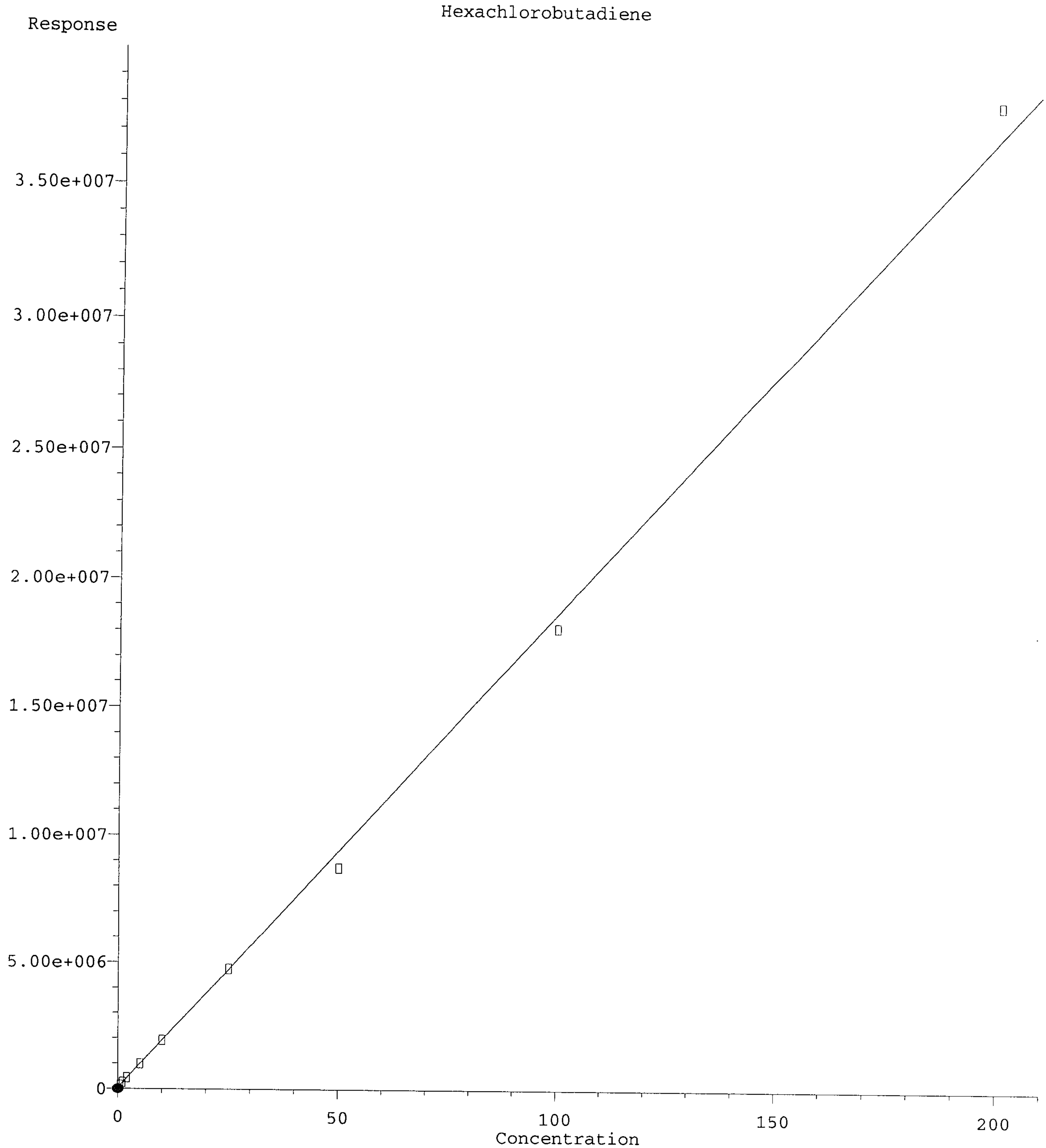
(22) DCBP (S) #2 (S)

10.554min 0.532 ng/mL

response 90290

(+) = Expected Retention Time

ECD5_QUANTPEST_200324.M Wed Mar 25 14:53:54 2020



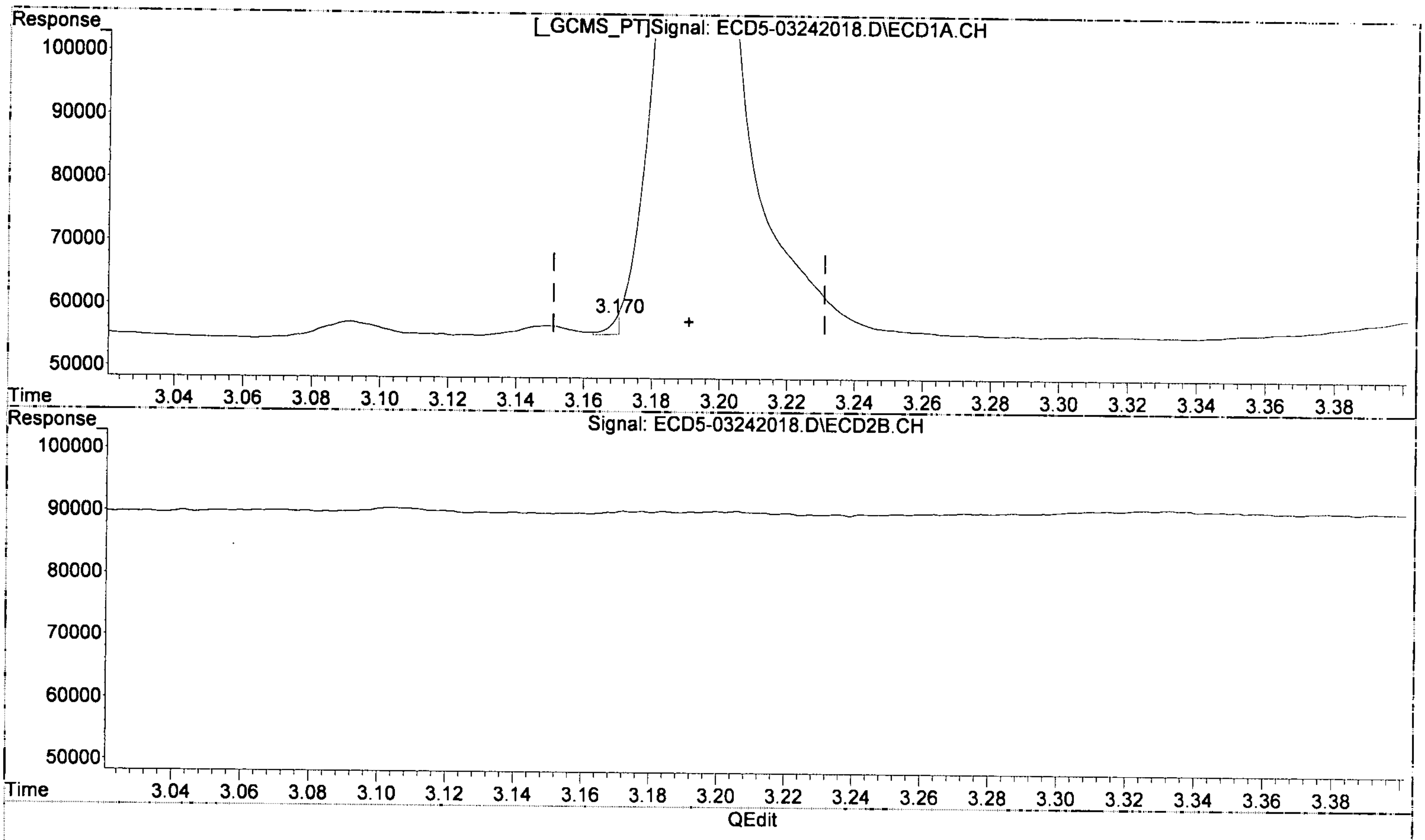
R = -1.69e+001 A*A + 1.87e+005 A + 5.00e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated:

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(23) Hexachlorobutadiene

3.170min 11064.694 ng/mL m Q-Del

response 2750

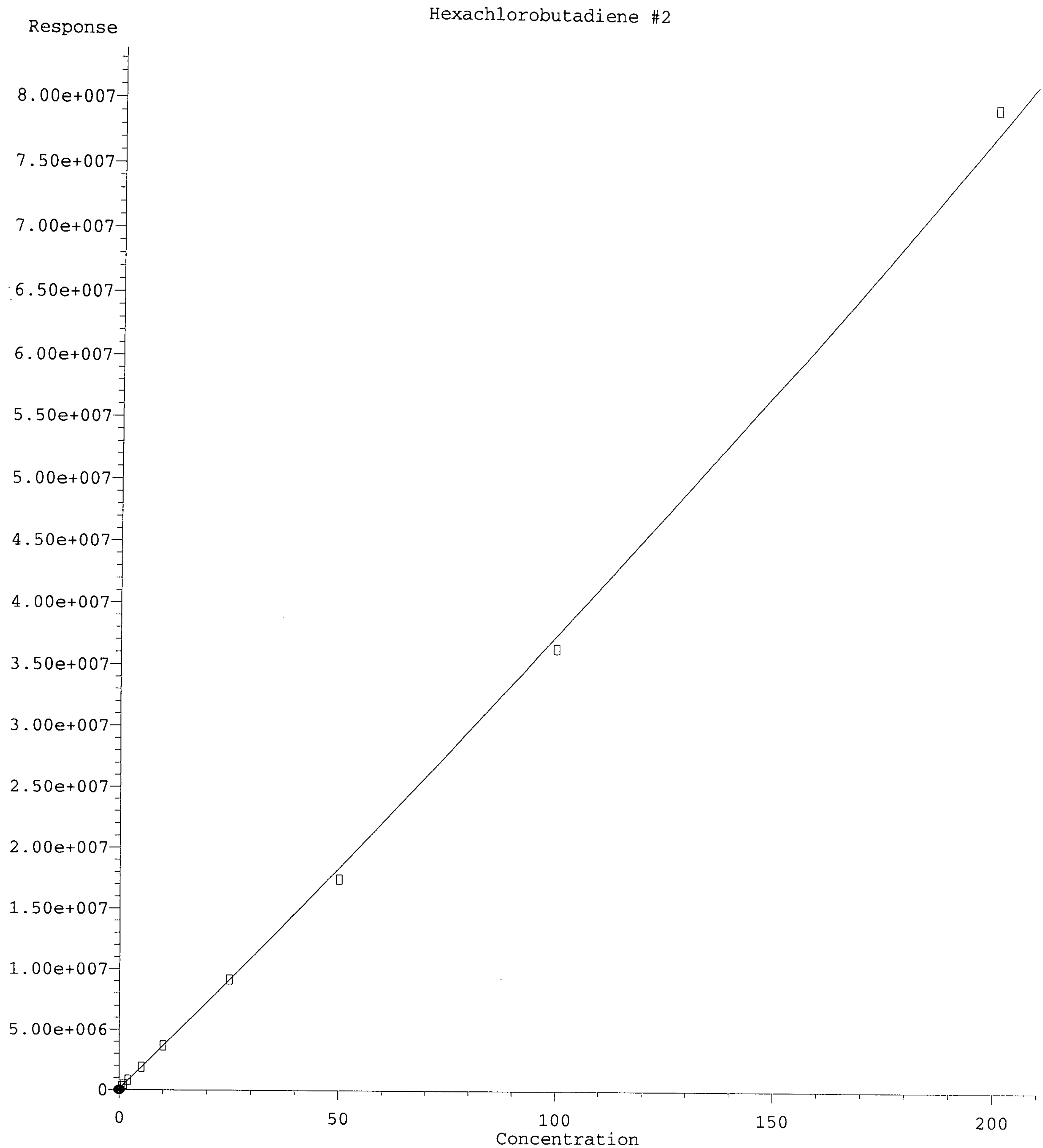
MJB 3/25/20

(23) Hexachlorobutadiene #2

3.675min 0.480 ng/mL

response 251522

(+) = Expected Retention Time



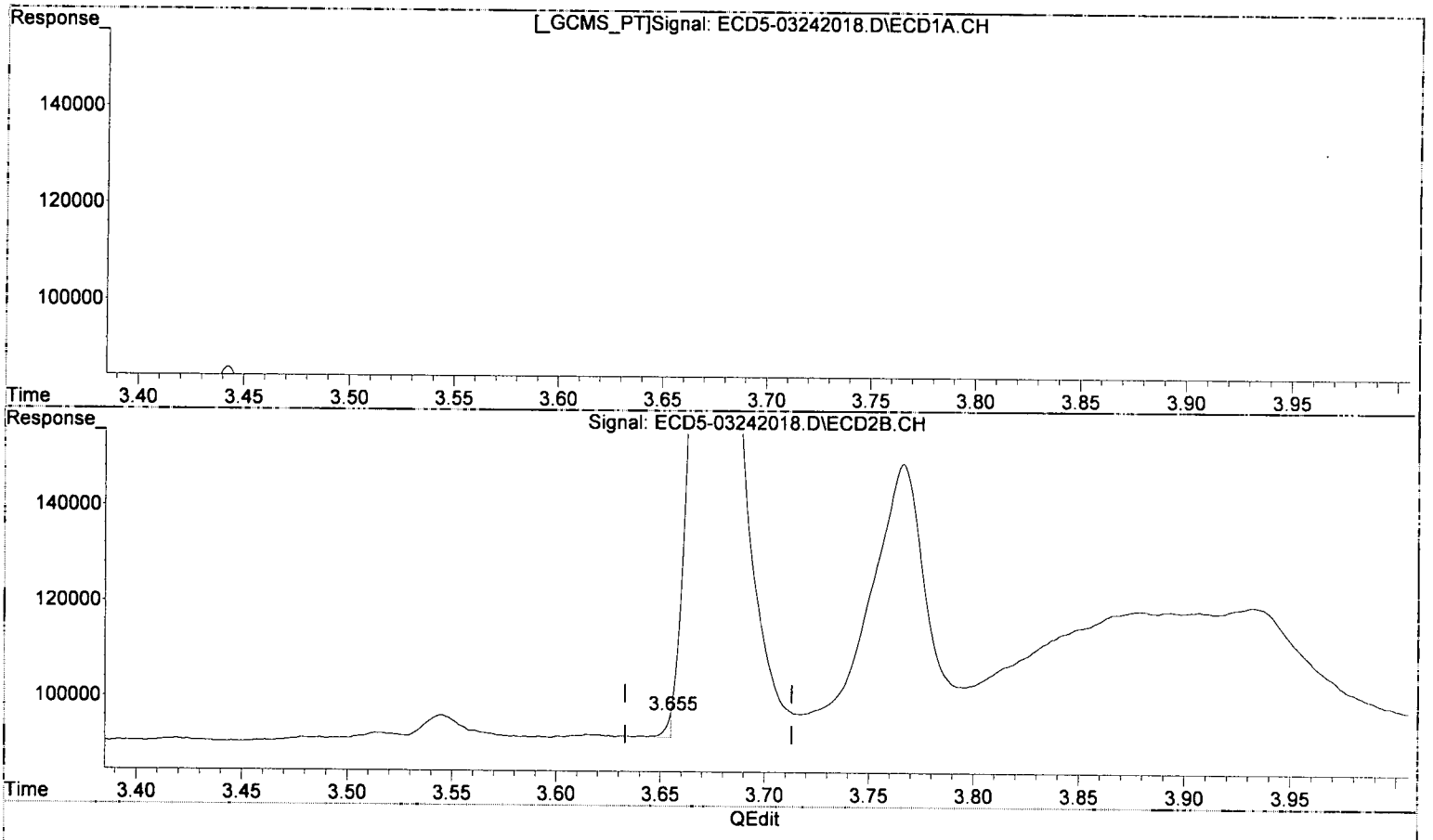
R = 1.52e+002 A*A + 3.58e+005 A + 7.96e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(23) Hexachlorobutadiene

3.170min 11064.694 ng/mL m

response 2750

MJB 3/25/20

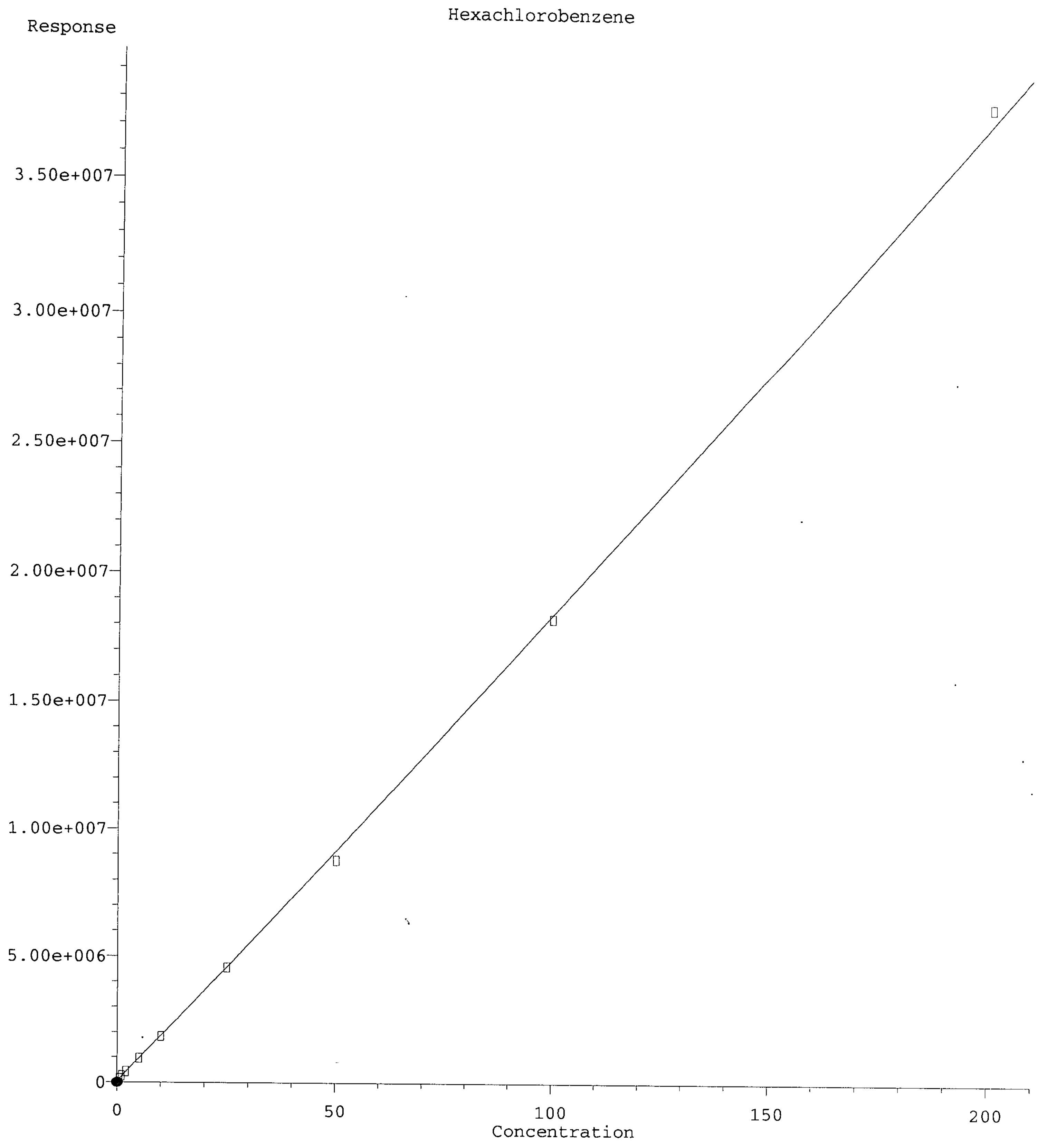
(23) Hexachlorobutadiene #2

3.655min -0.209 ng/mL (m)

response 4800

(+) = Expected Retention Time

ECD5_QUANTPEST_200324.M Wed Mar 25 14:54:53 2020



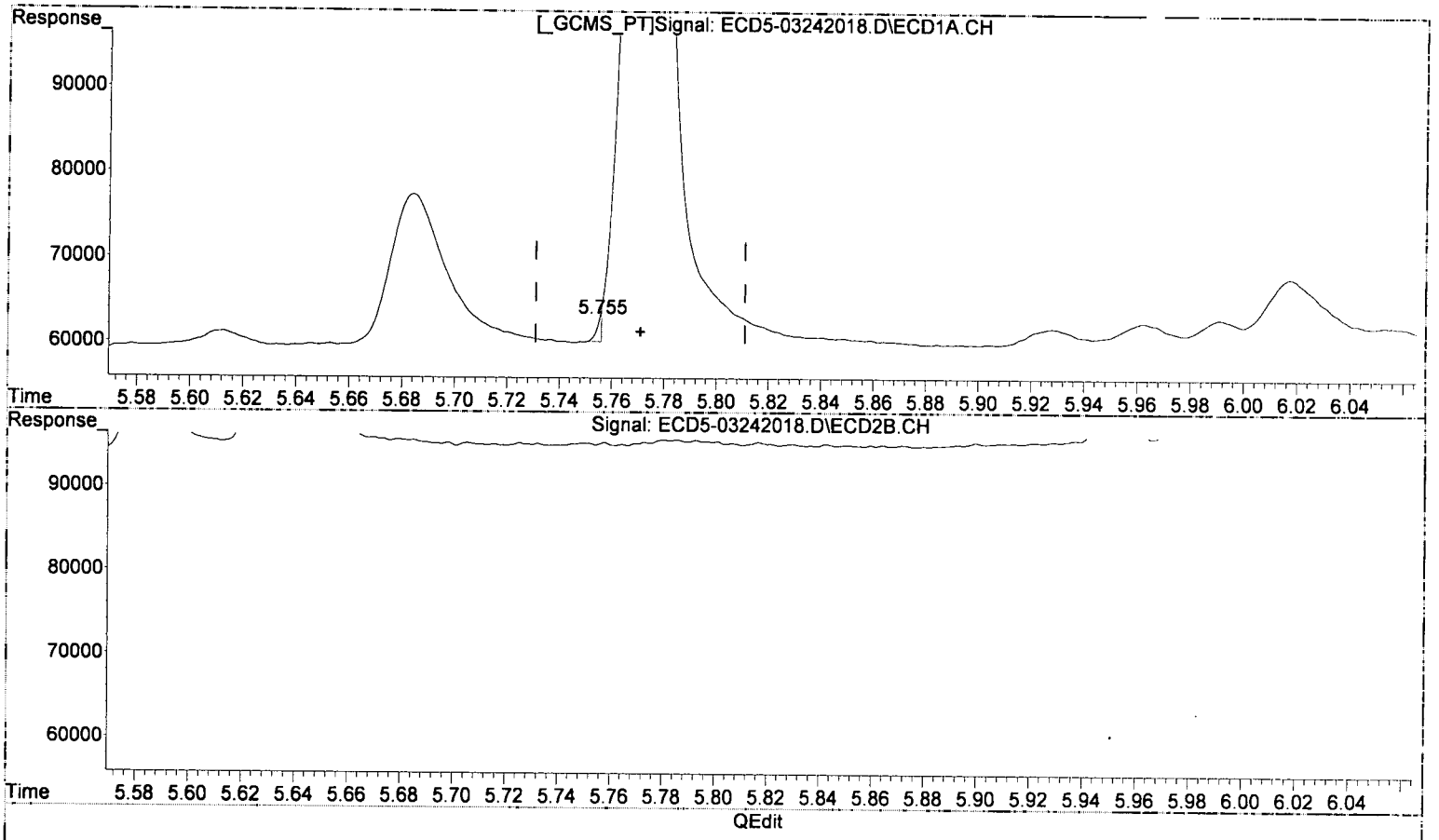
R = 2.79e+001 A*A + 1.80e+005 A + 5.01e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic [illegible]
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: [illegible]

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(24) Hexachlorobenzene

5.755min -0.262 ng/mL (m)

response 2815

MB 3/25/20

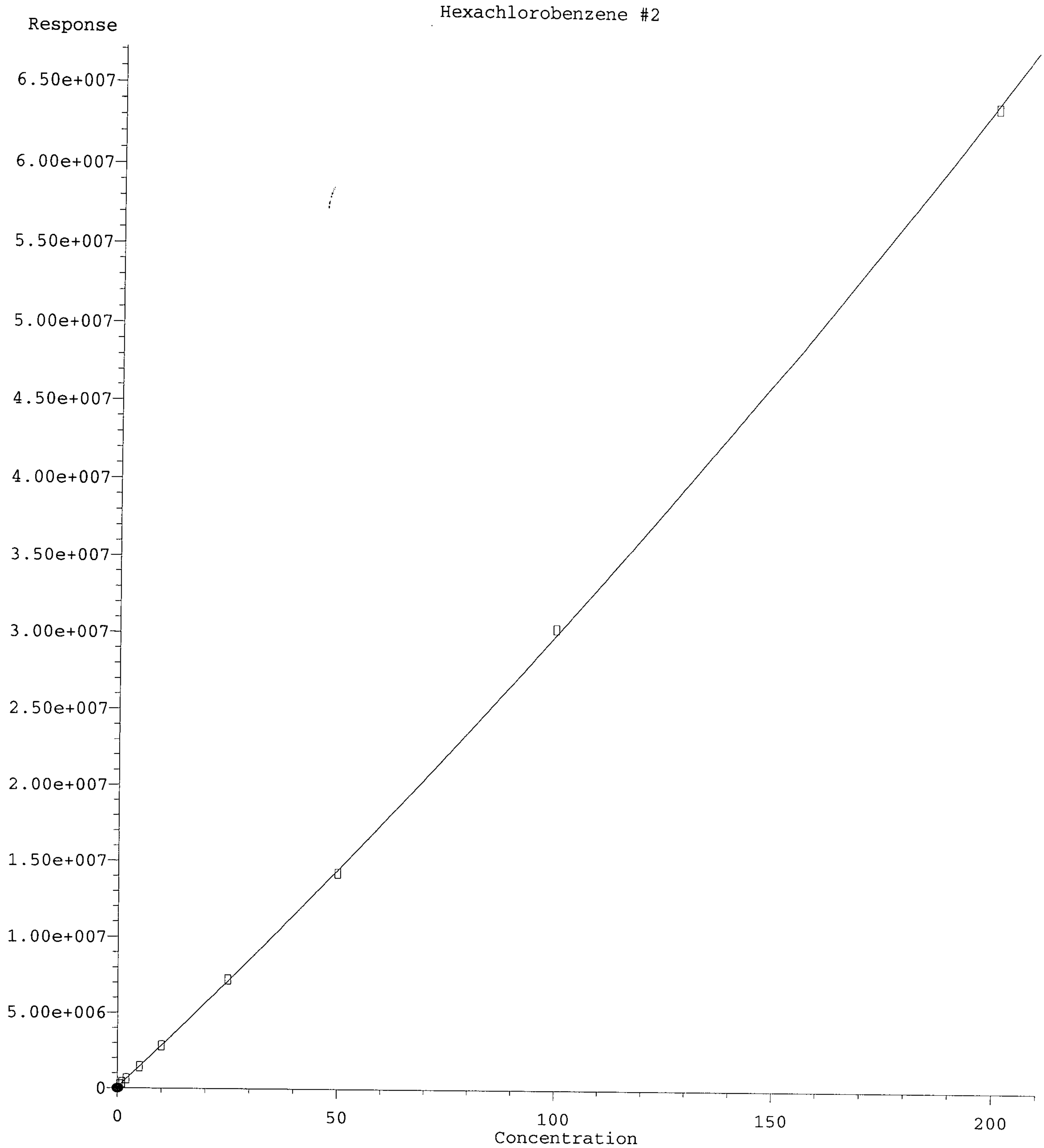
(24) Hexachlorobenzene #2

6.455min 0.487 ng/mL

response 201955

(+) = Expected Retention Time

ECD5_QUANTPEST_200324.M Wed Mar 25 14:55:32 2020



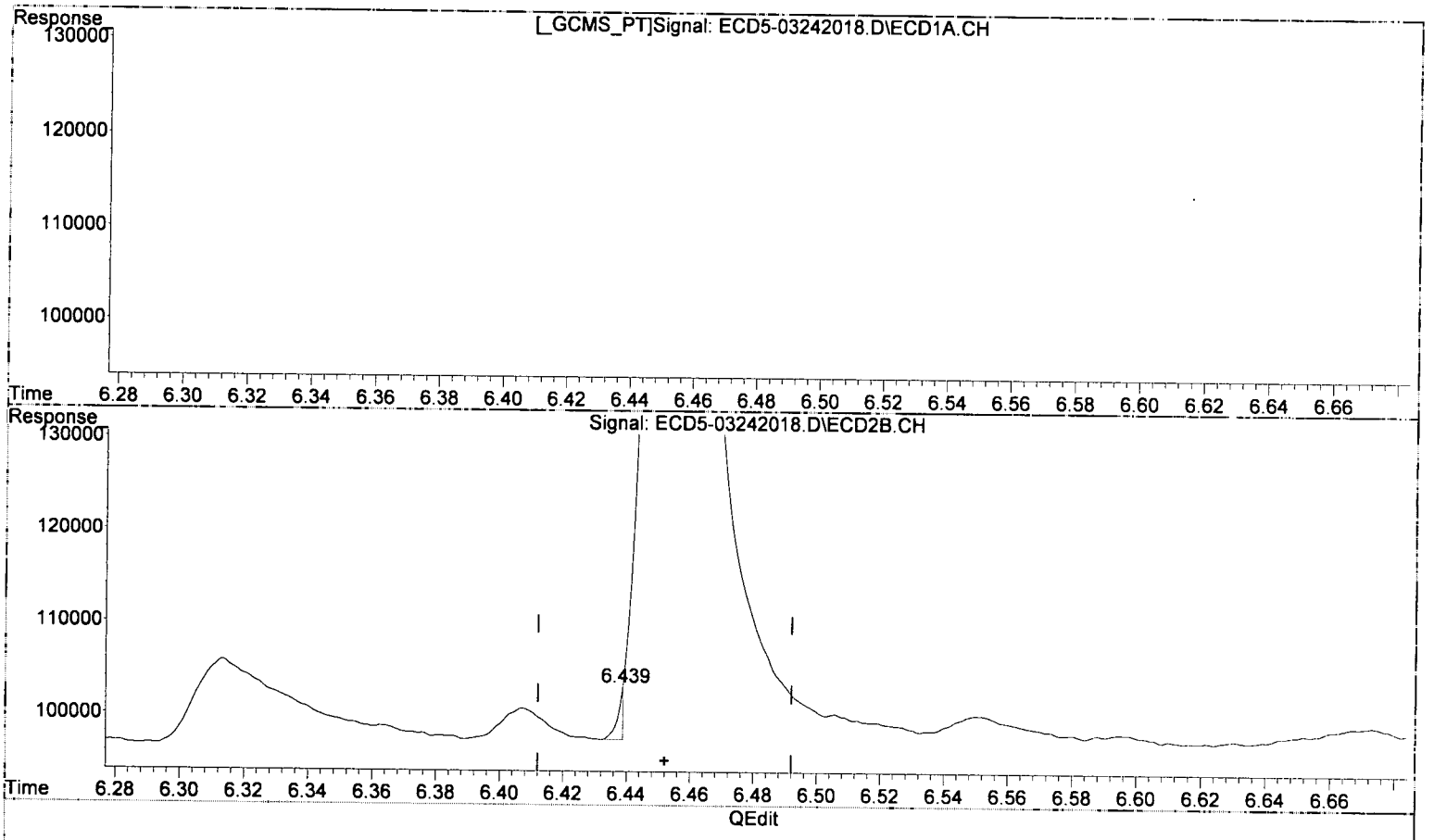
R = 2.24e+002 A*A + 2.76e+005 A + 6.74e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic (1/...
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(24) Hexachlorobenzene

5.755min -0.262 ng/mL m

response 2815

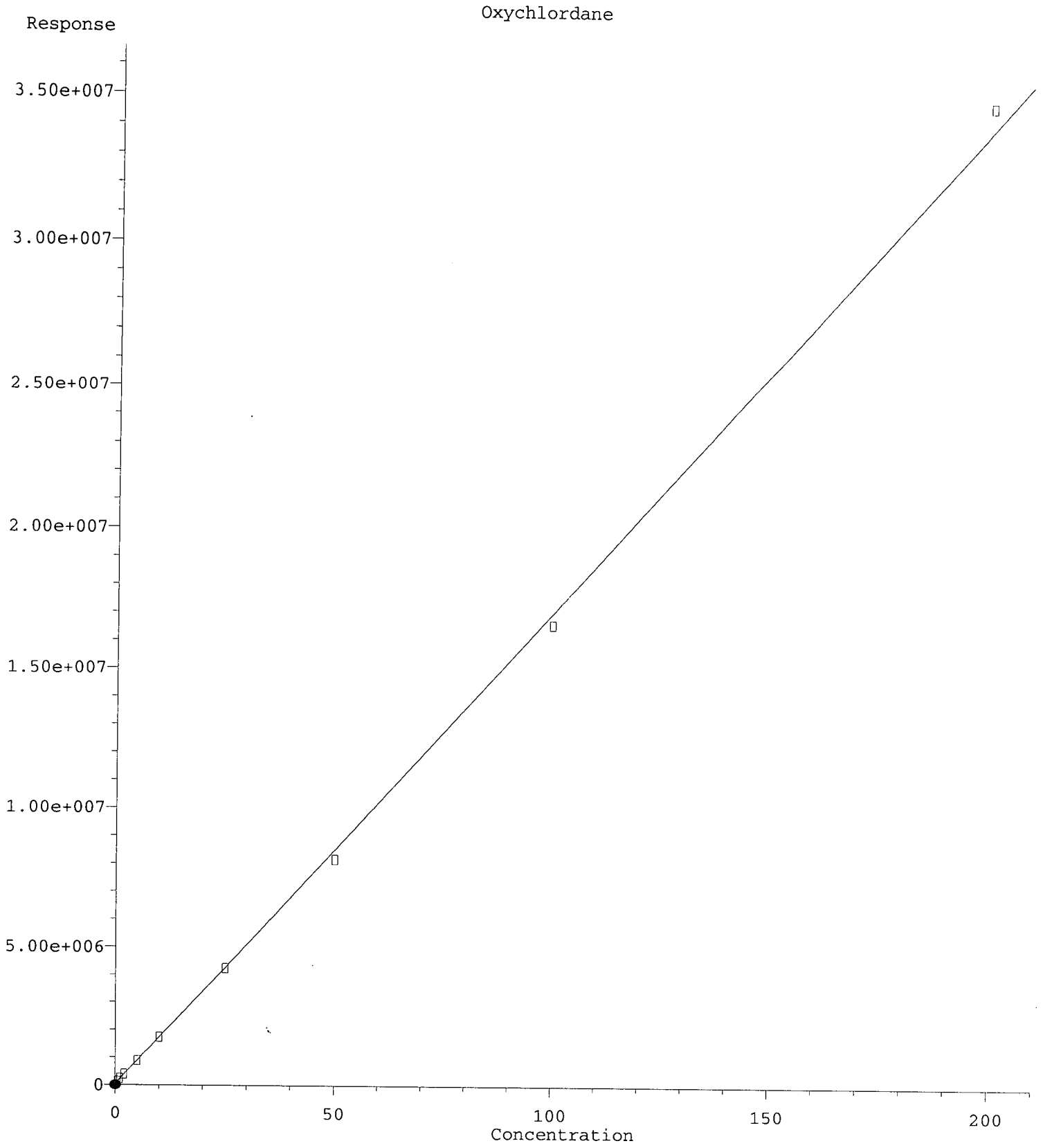
NB 3/25/20

(24) Hexachlorobenzene #2

6.439min -0.223 ng/mL (m)

response 5752

(+) = Expected Retention Time



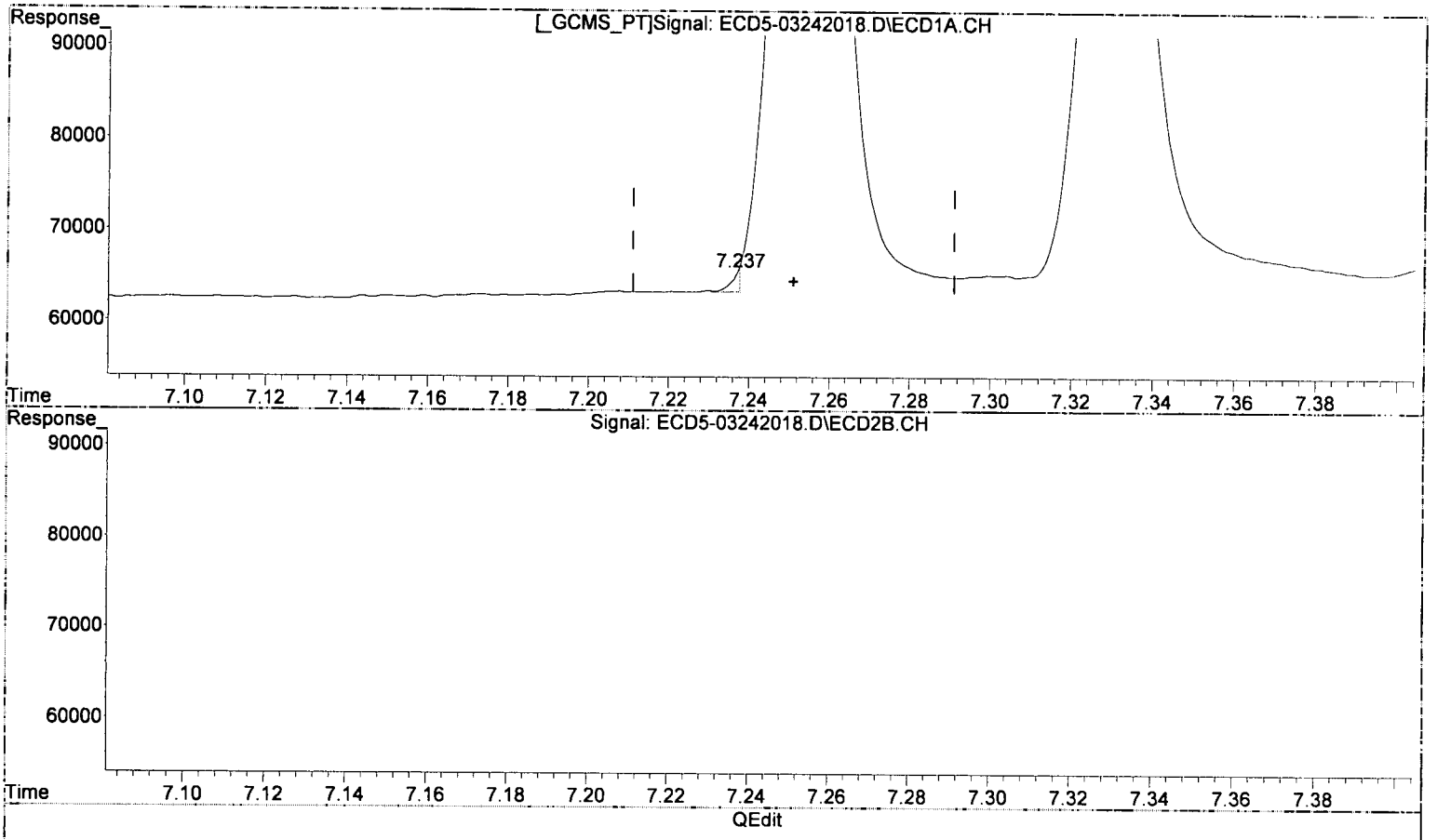
R = 6.39e+000 A*A + 1.69e+005 A + 4.34e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic, Origin Ignored (1/x^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(25) Oxychlordane

7.237min -0.245 ng/mL (m)

response 2135

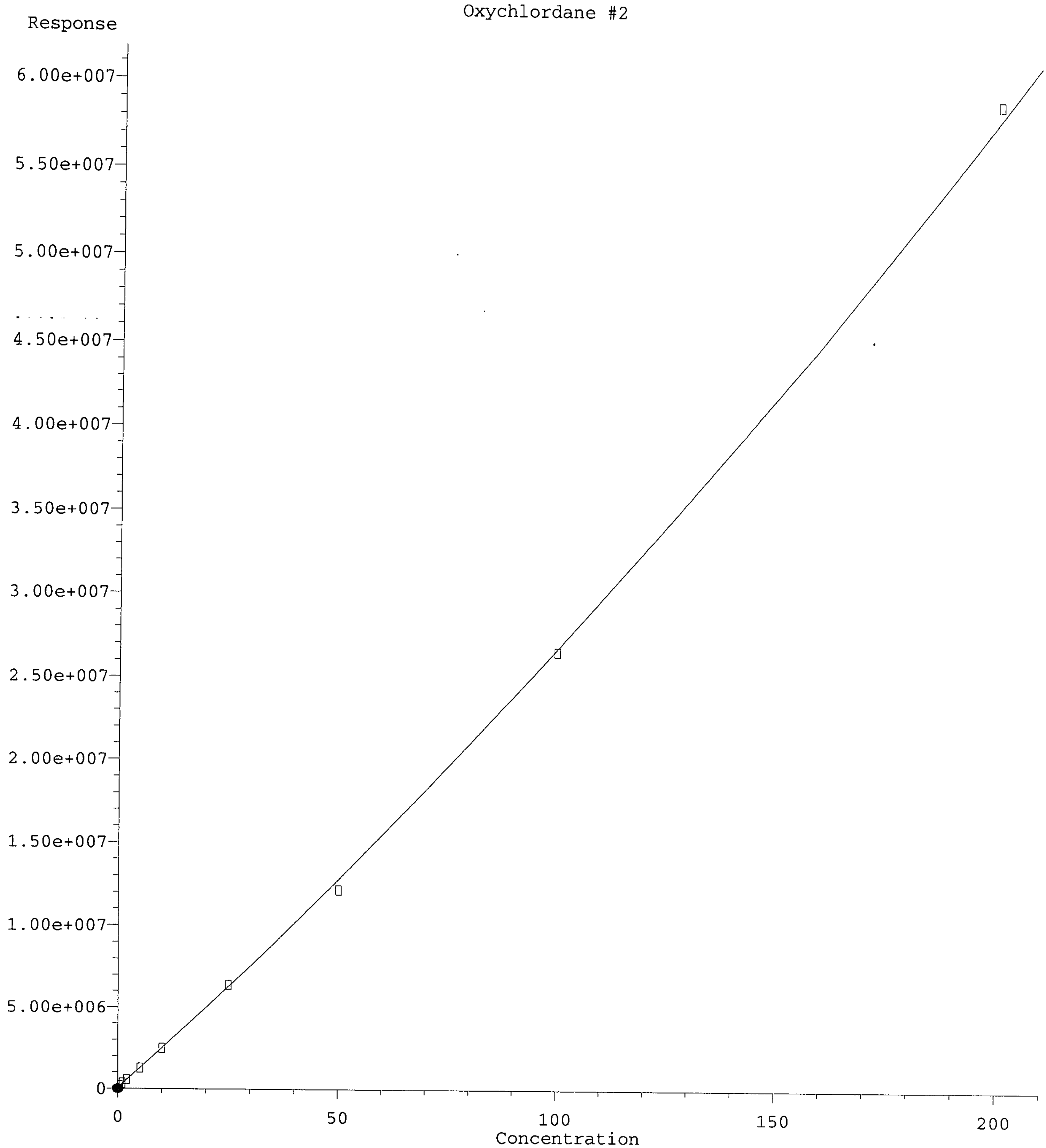
MJB 3/25/20

(25) Oxychlordane #2

7.923min 0.475 ng/mL

response 180540

(+) = Expected Retention Time



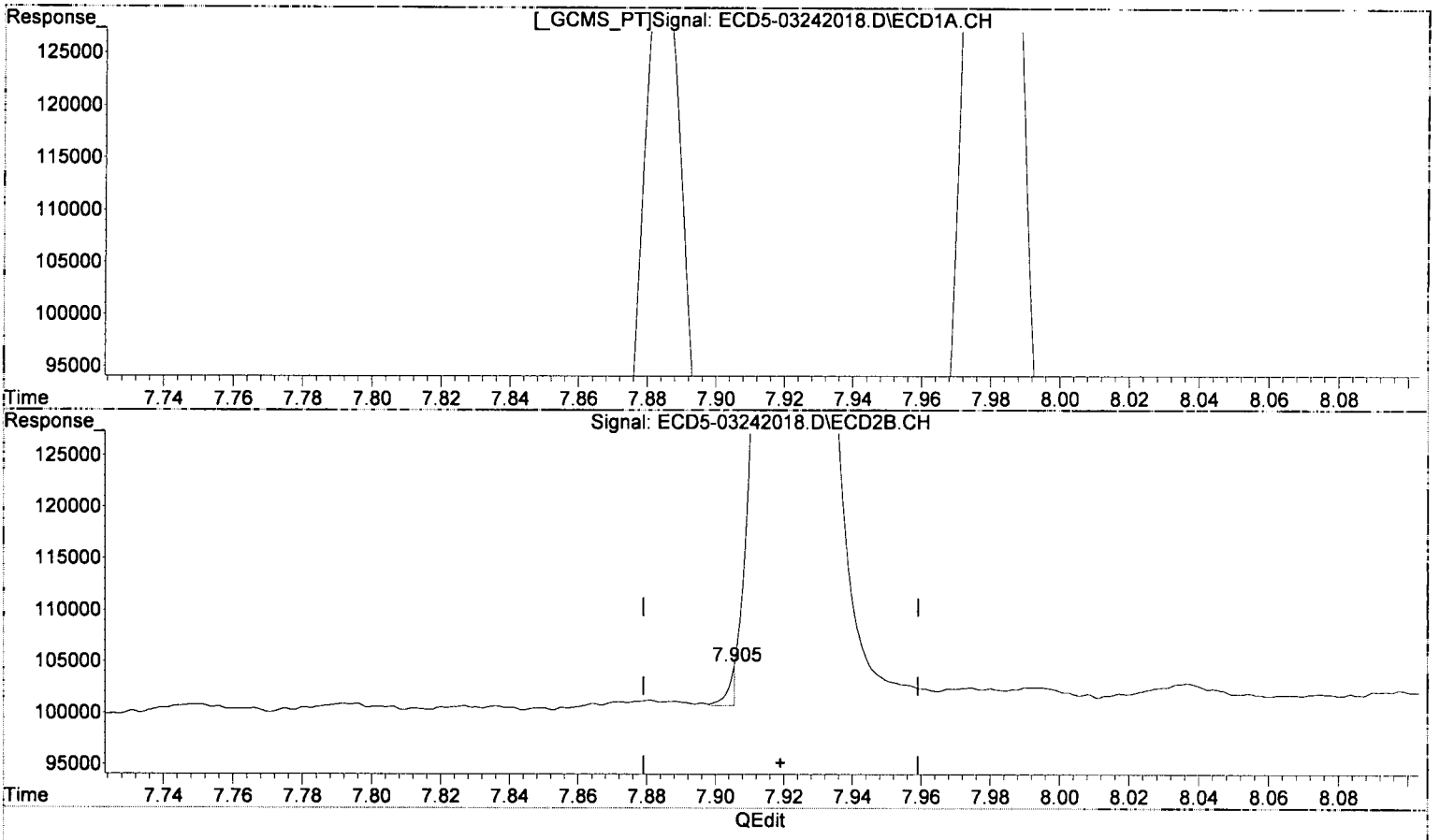
R = 2.38e+002 A*A + 2.43e+005 A + 6.54e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(25) Oxychlordane

7.237min -0.245 ng/mL m

response 2135

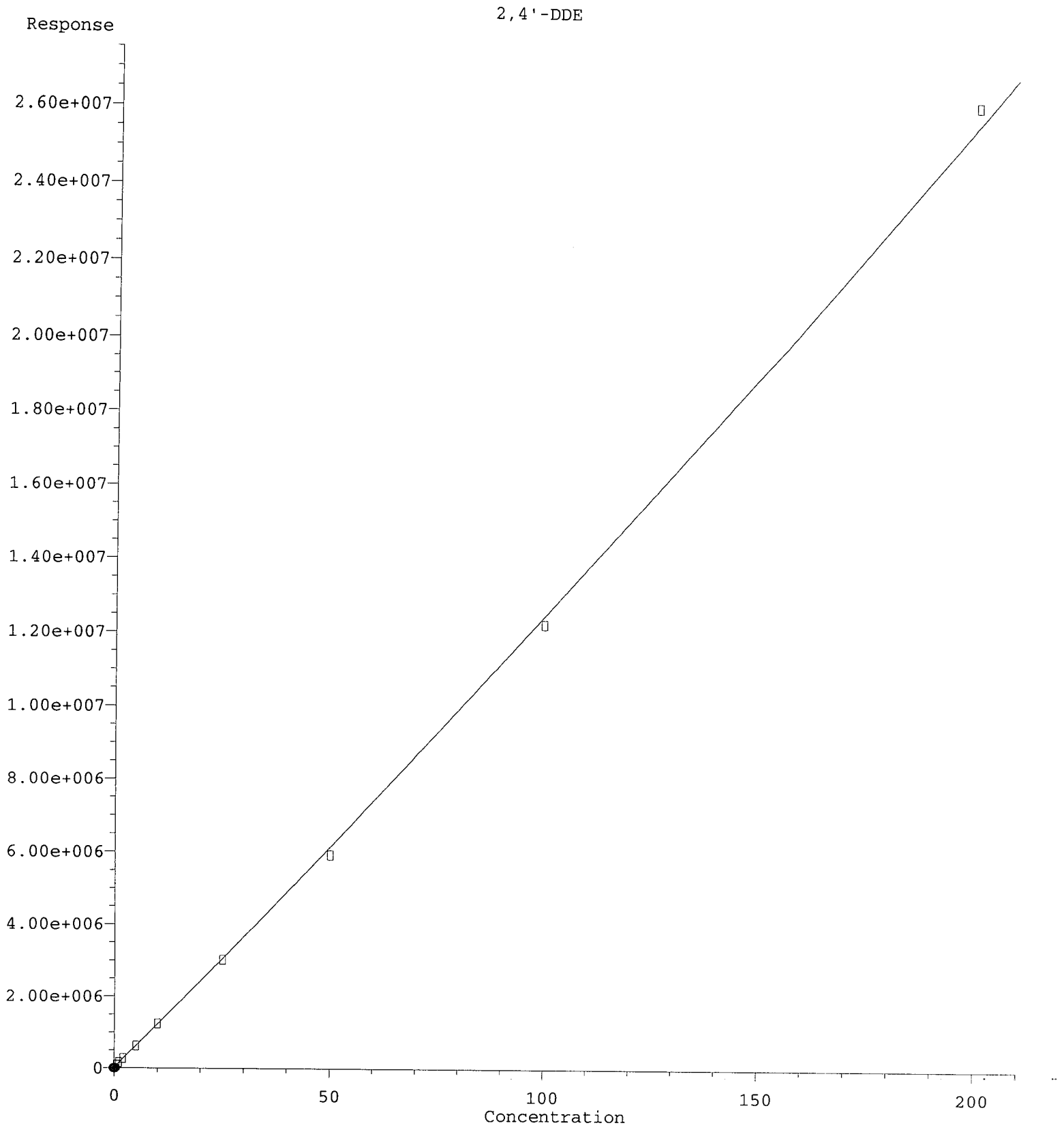
MJB 3/25/20

(25) Oxychlordane #2

7.905min -0.254 ng/mL m

response 3897

(+) = Expected Retention Time



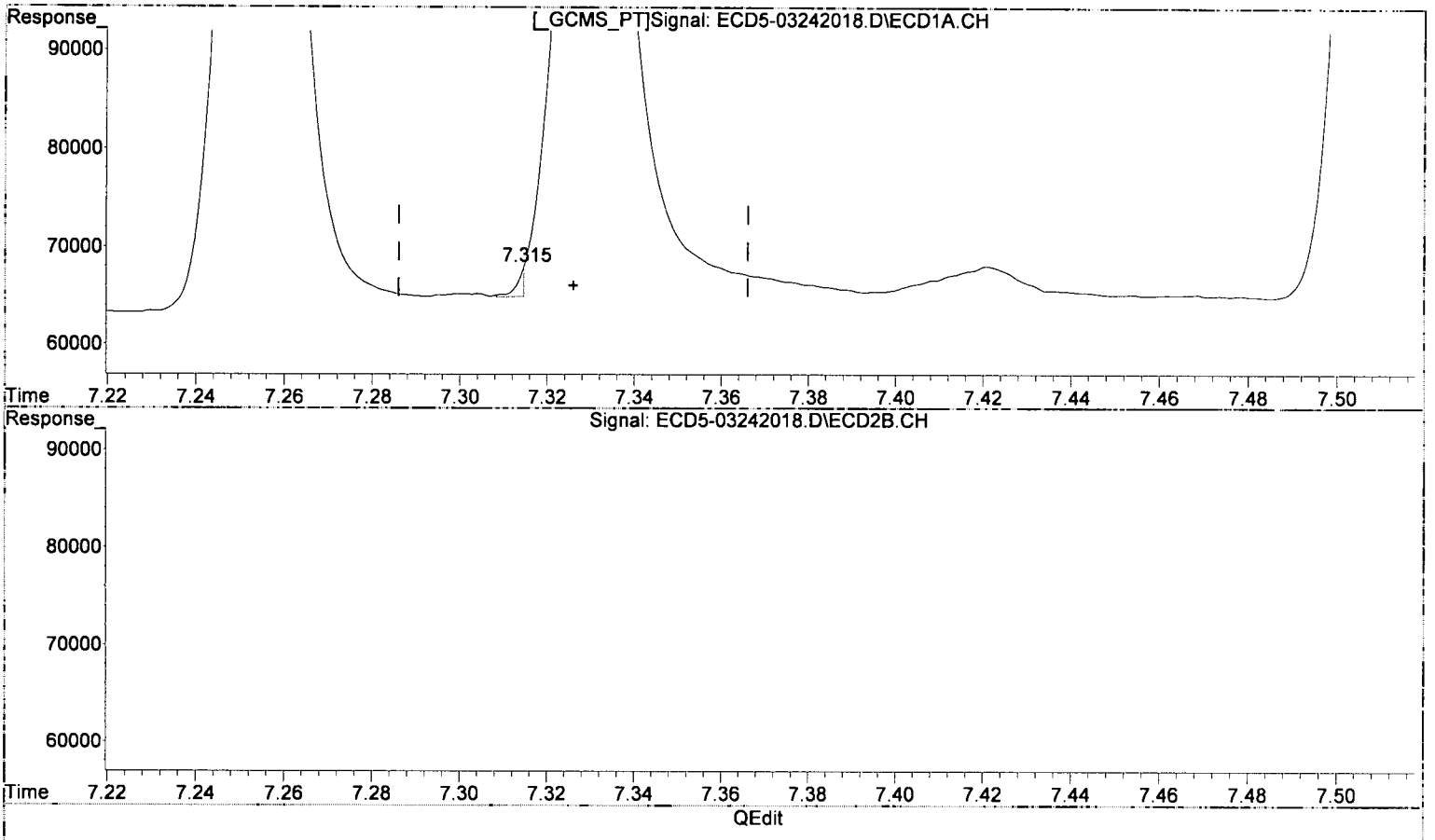
R = 4.06e+001 A*A + 1.20e+005 A + 2.57e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w (1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

7.315min -0.188 ng/mL (m)

response 3074

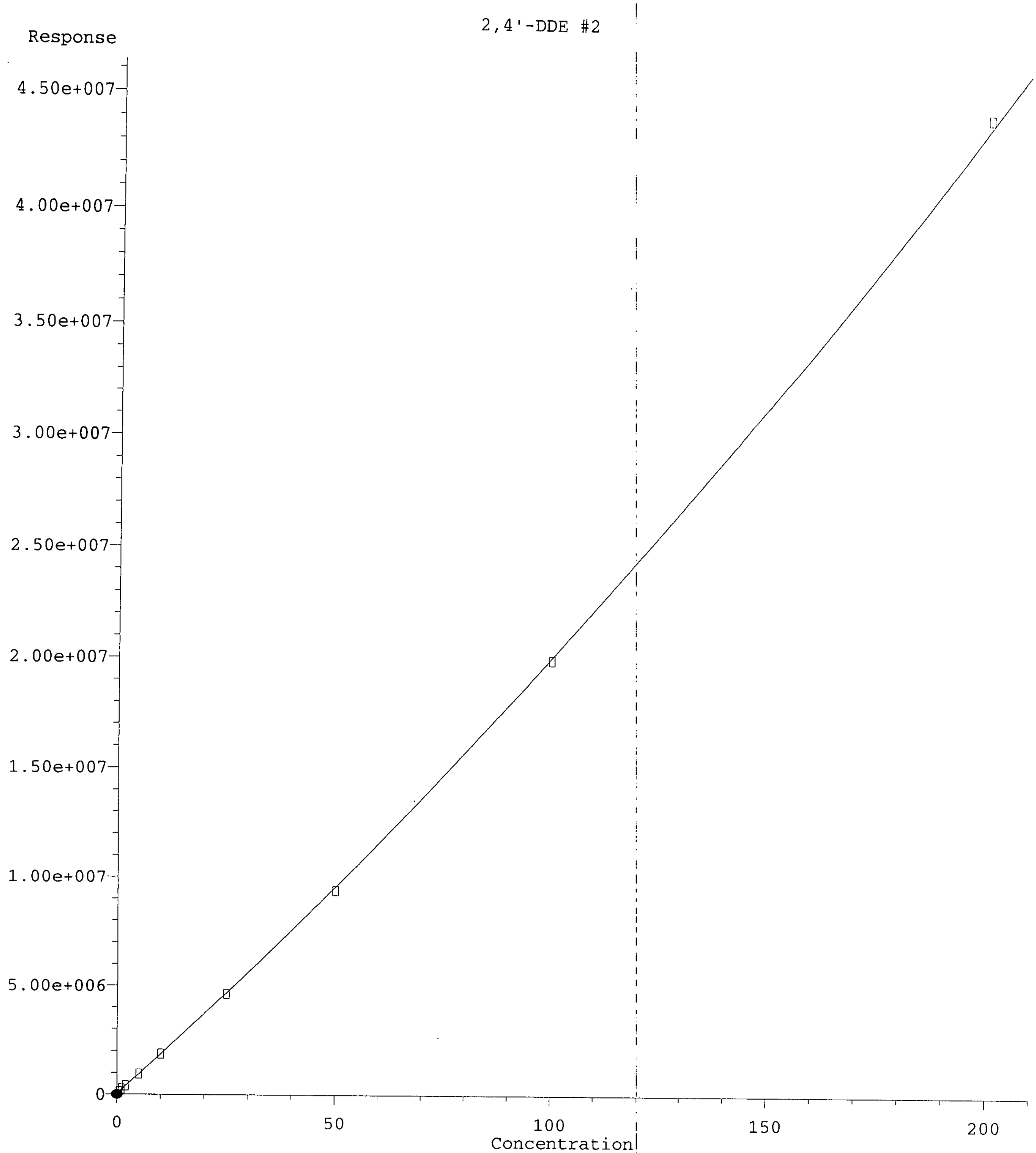
MJB 3/25/20

(26) 2,4'-DDE #2

8.127min 0.476 ng/mL

response 124973

(+) = Expected Retention Time



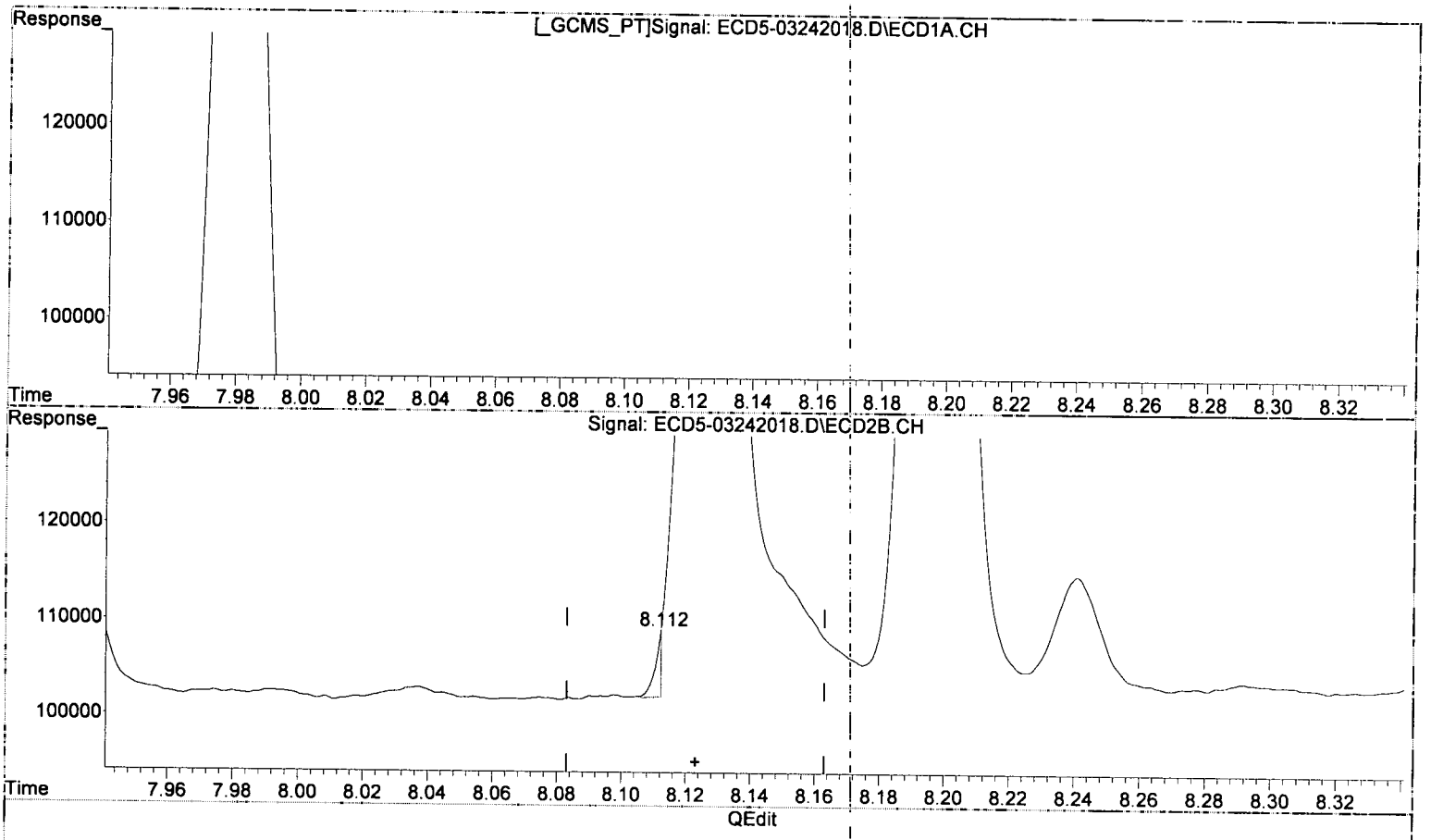
R = 1.89e+002 A*A + 1.81e+005 A + 3.88e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

7.315min -0.188 ng/mL m

response 3074

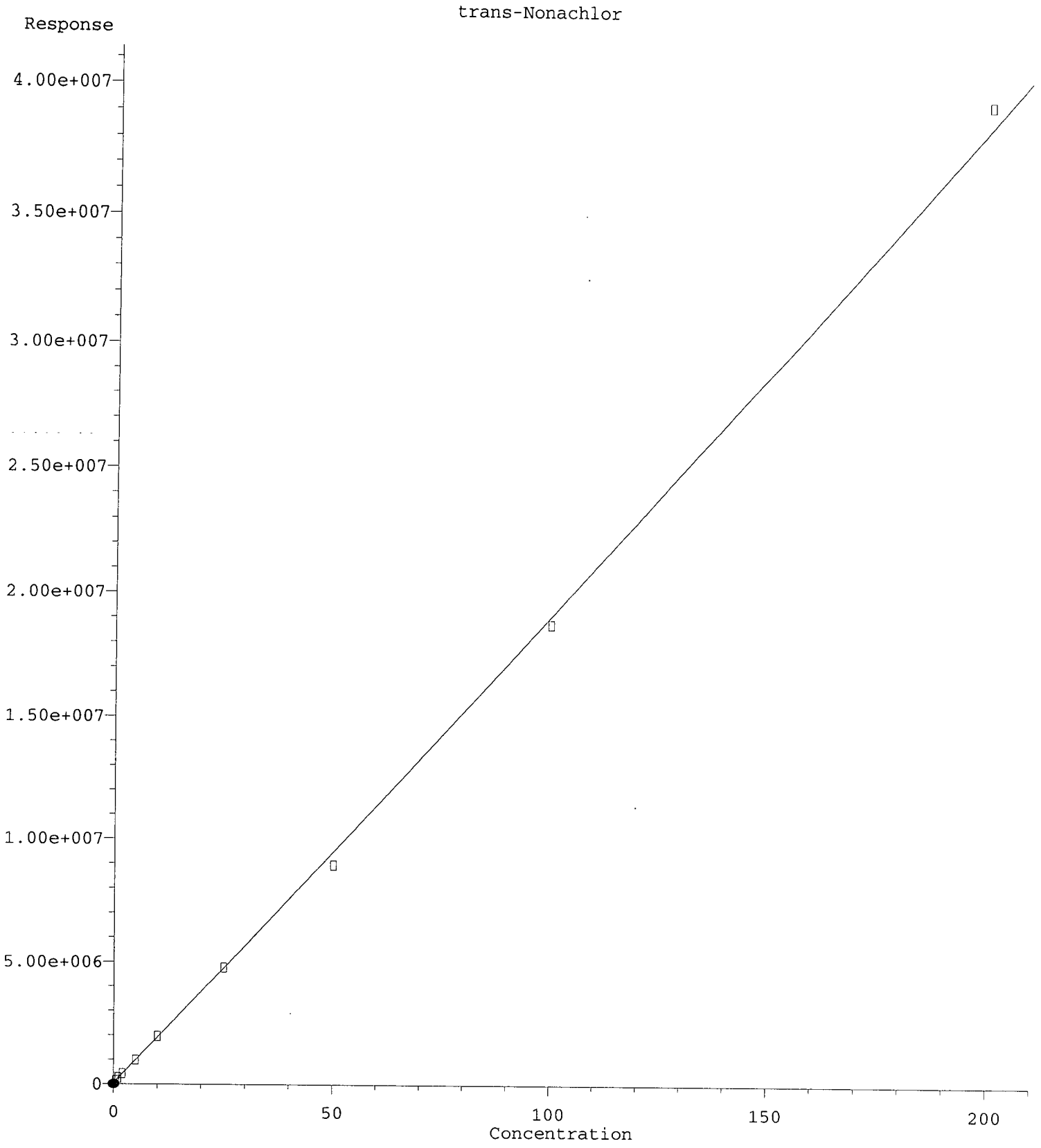
MJB 3/25/20

(26) 2,4'-DDE #2

8.112min -0.176 ng/mL (m)

response 6955

(+) = Expected Retention Time



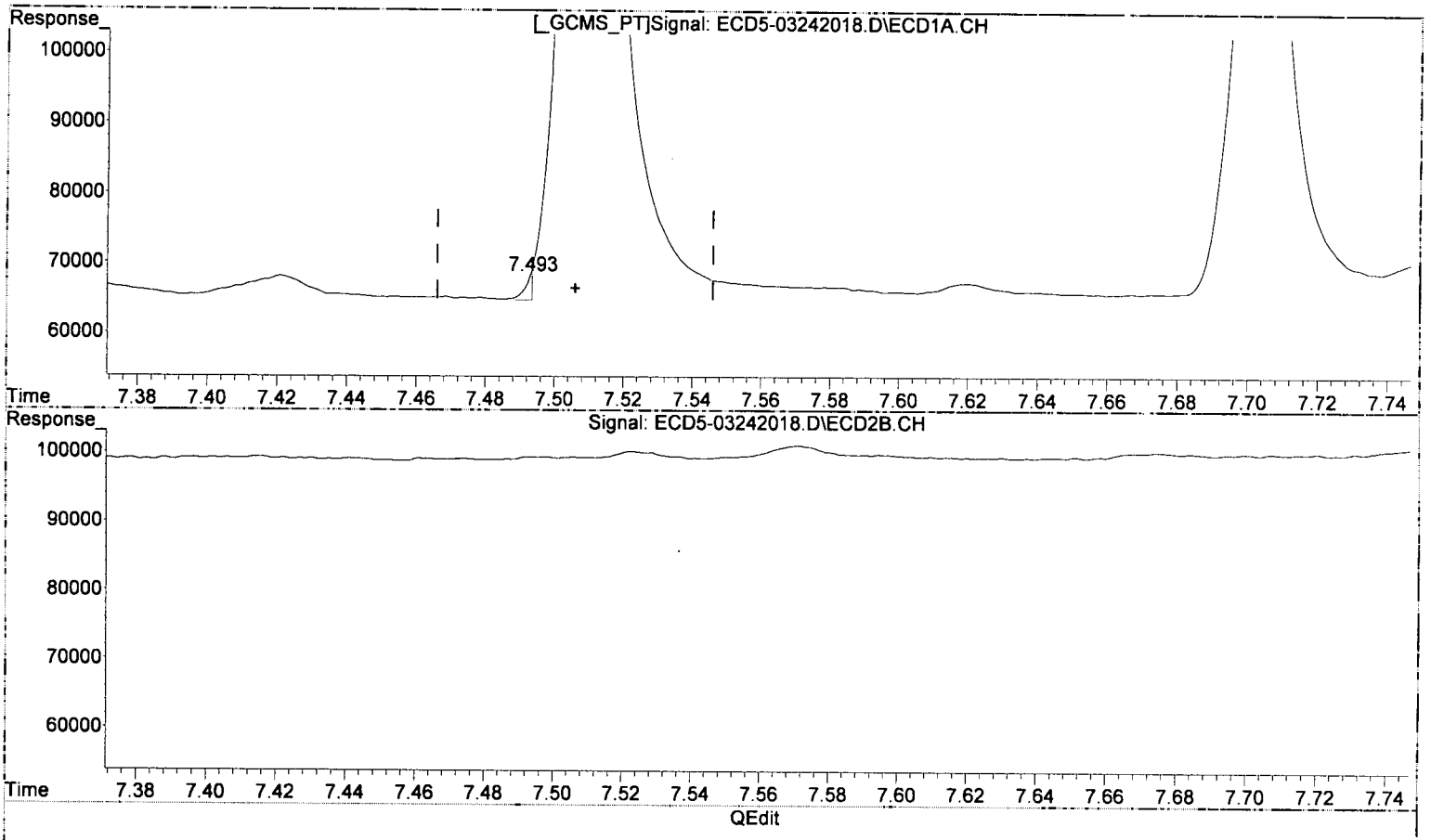
R = 2.61e+001 A*A + 1.87e+005 A + 4.86e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(27) trans-Nonachlor

7.493min -0.240 ng/mL (m)

response 3516

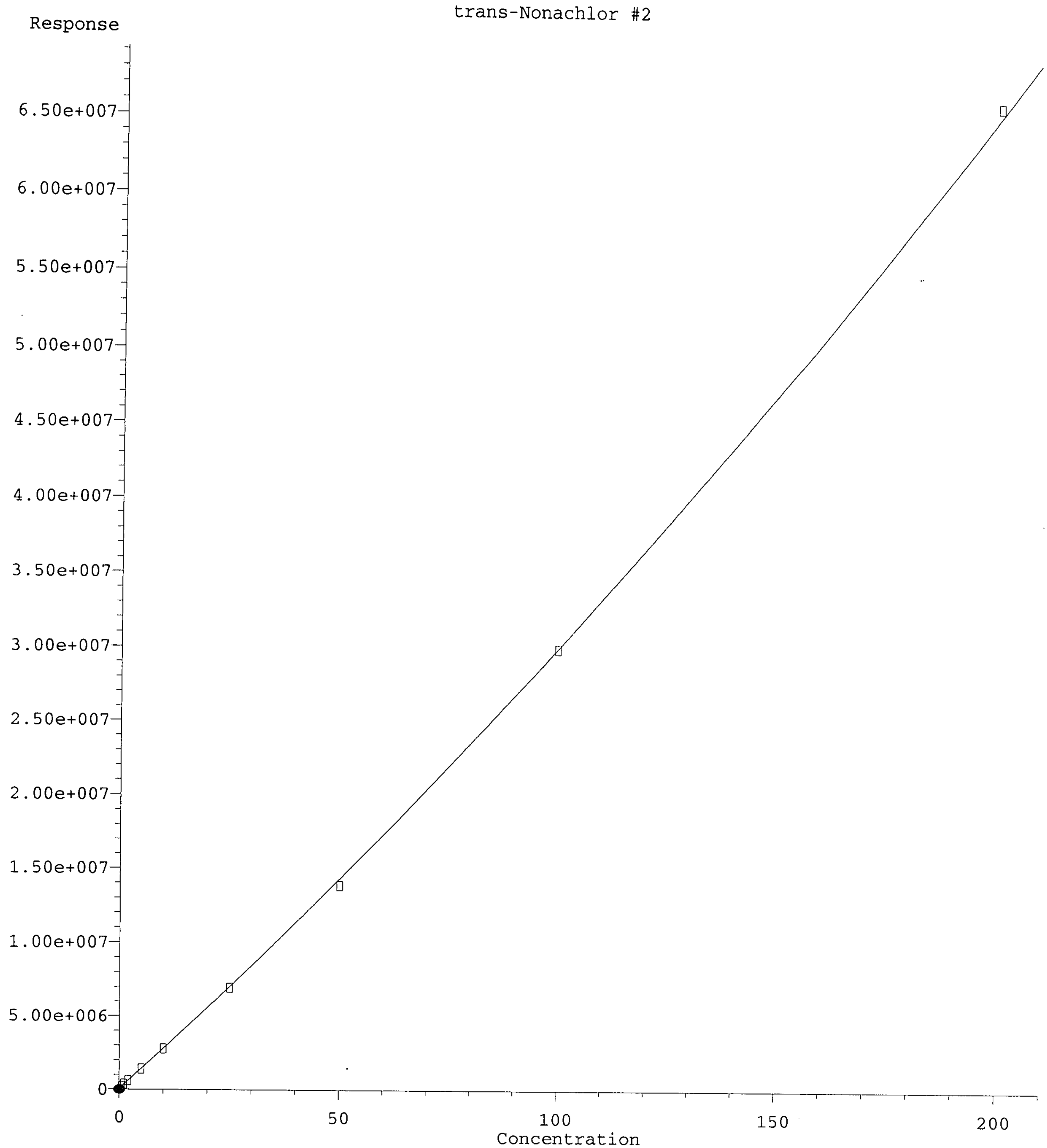
MJB 3/25/20

(27) trans-Nonachlor #2

8.197min 0.477 ng/mL

response 194733

(+) = Expected Retention Time



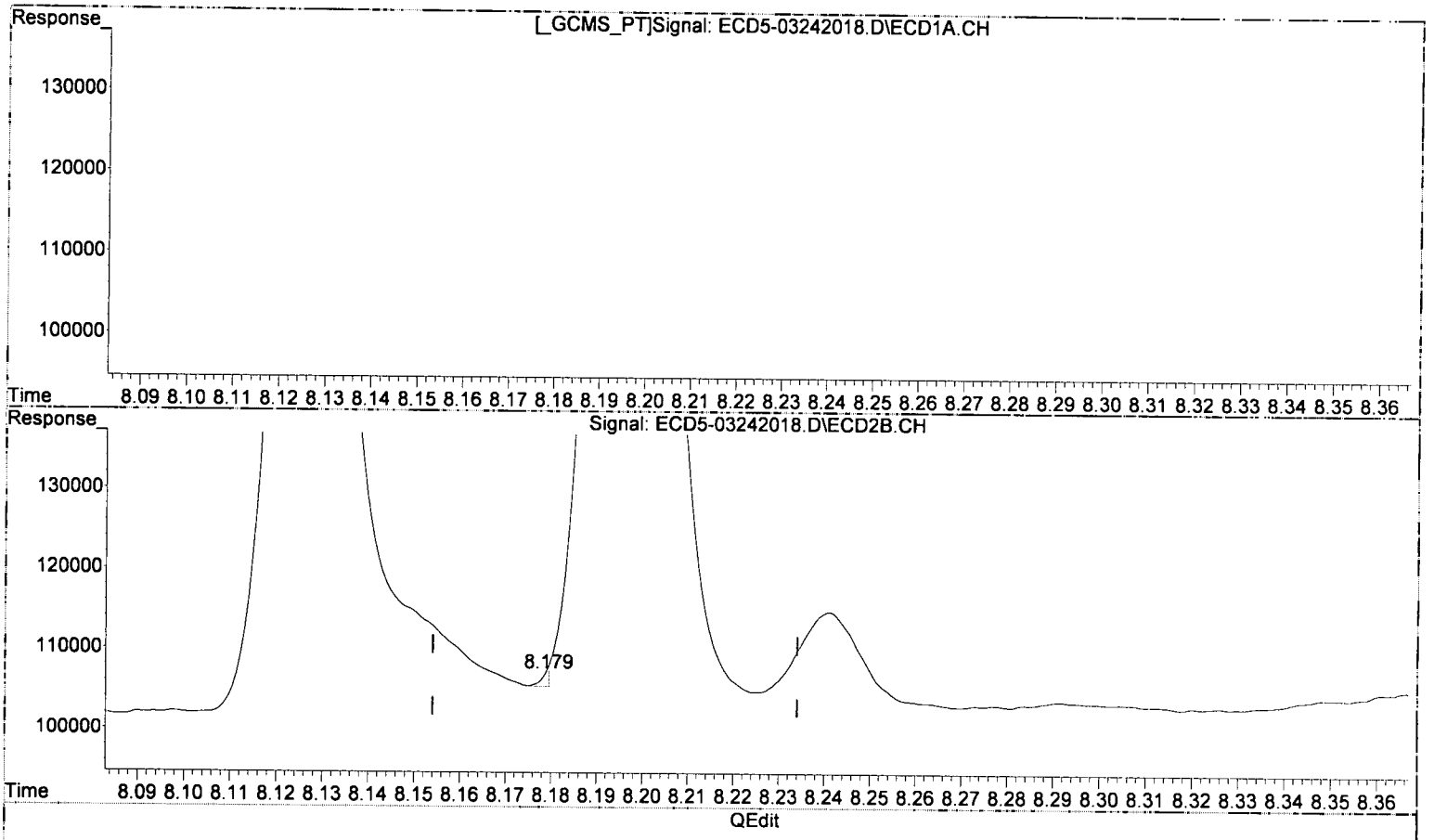
R = 2.76e+002 A*A + 2.71e+005 A + 6.53e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w/(1/x^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed May 25 12:55:26 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

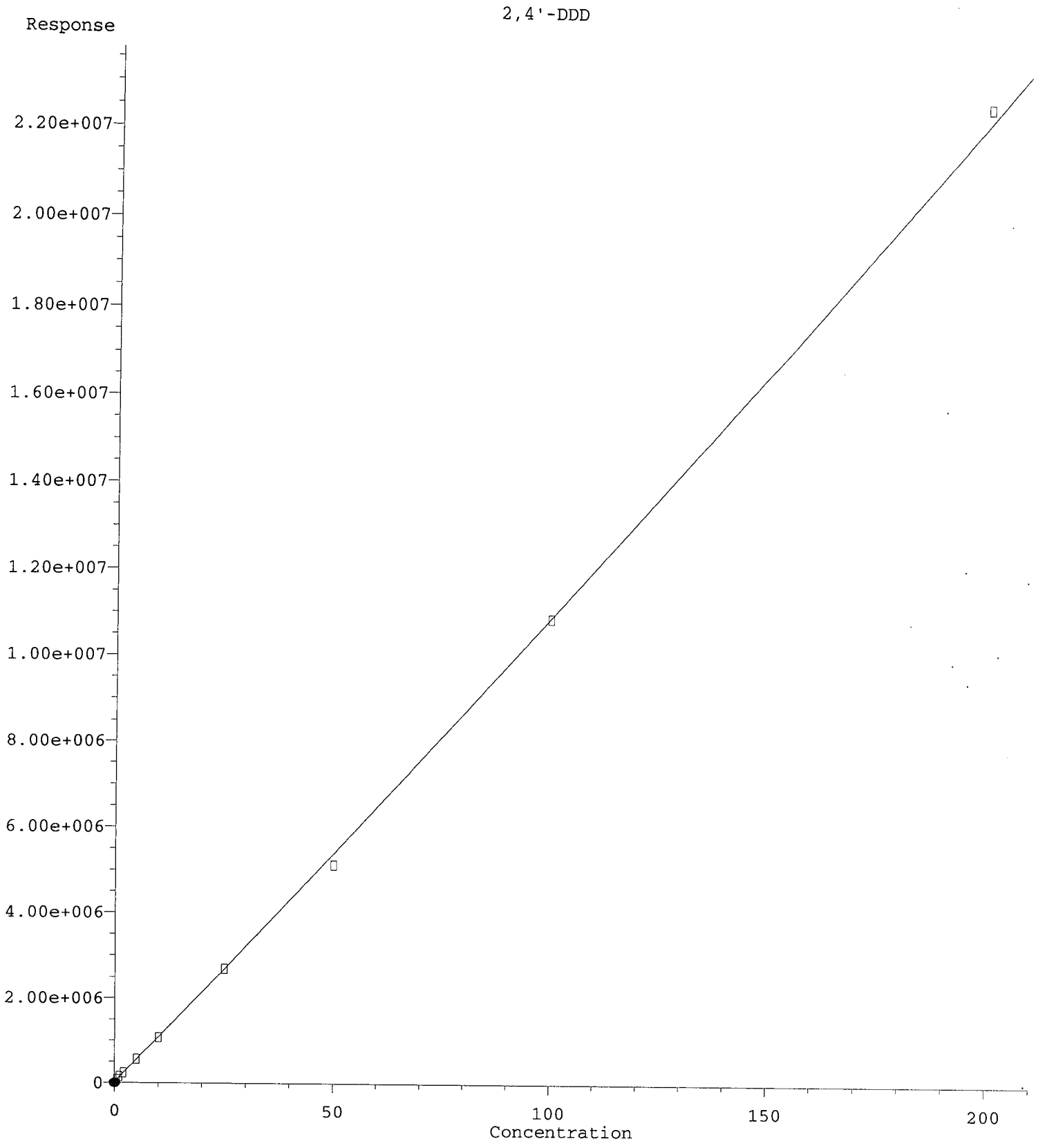


(27) trans-Nonachlor
7.493min -0.240 ng/mL m
response 3516

MP
3/25/20

(27) trans-Nonachlor #2
8.179min -0.235 ng/mL (m)
response 1674

(+) = Expected Retention Time



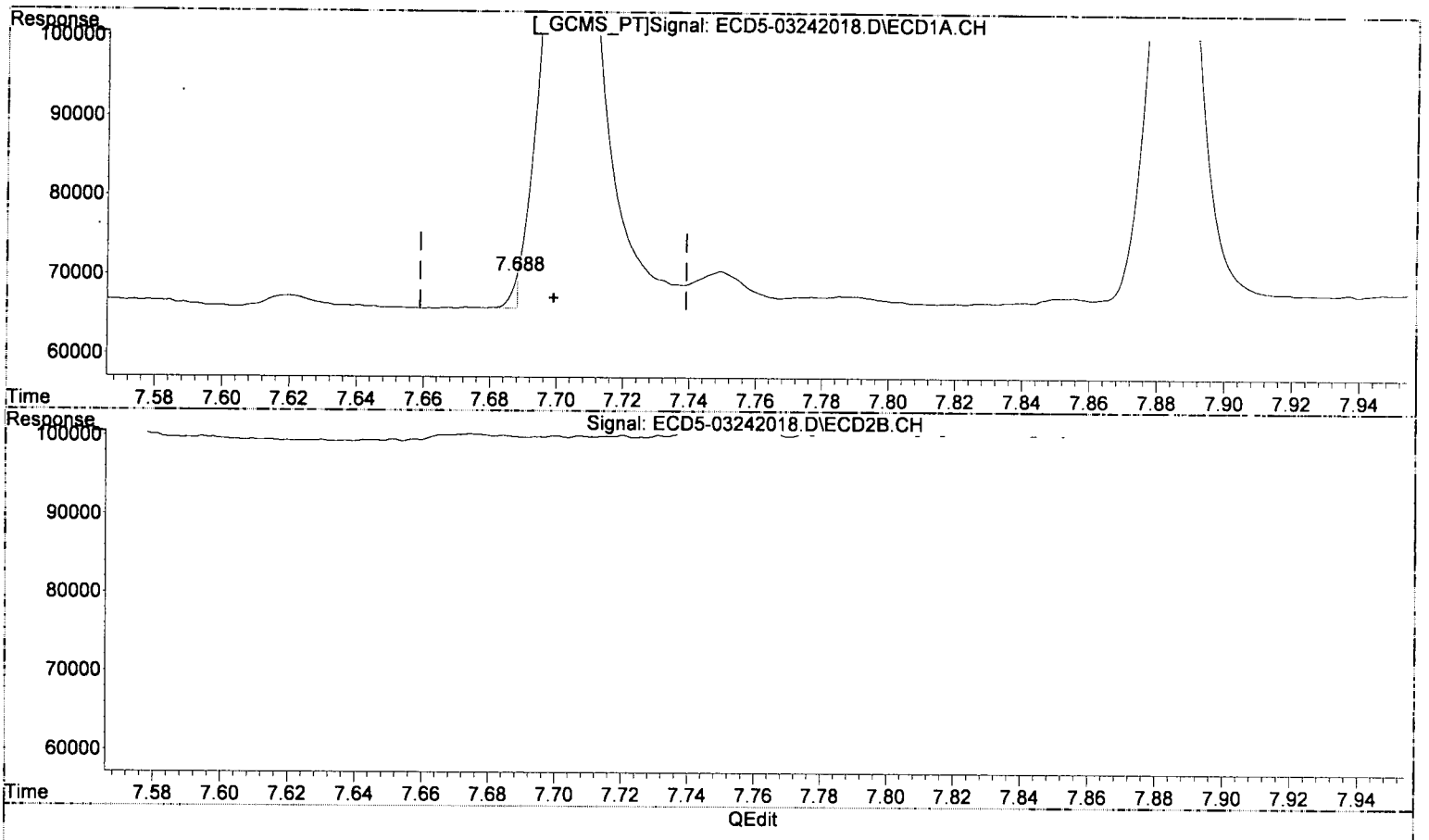
R = 2.64e+001 A*A + 1.06e+005 A + 2.97e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

7.688min -0.241 ng/mL(m)

response 4207

MJB 3/25/20

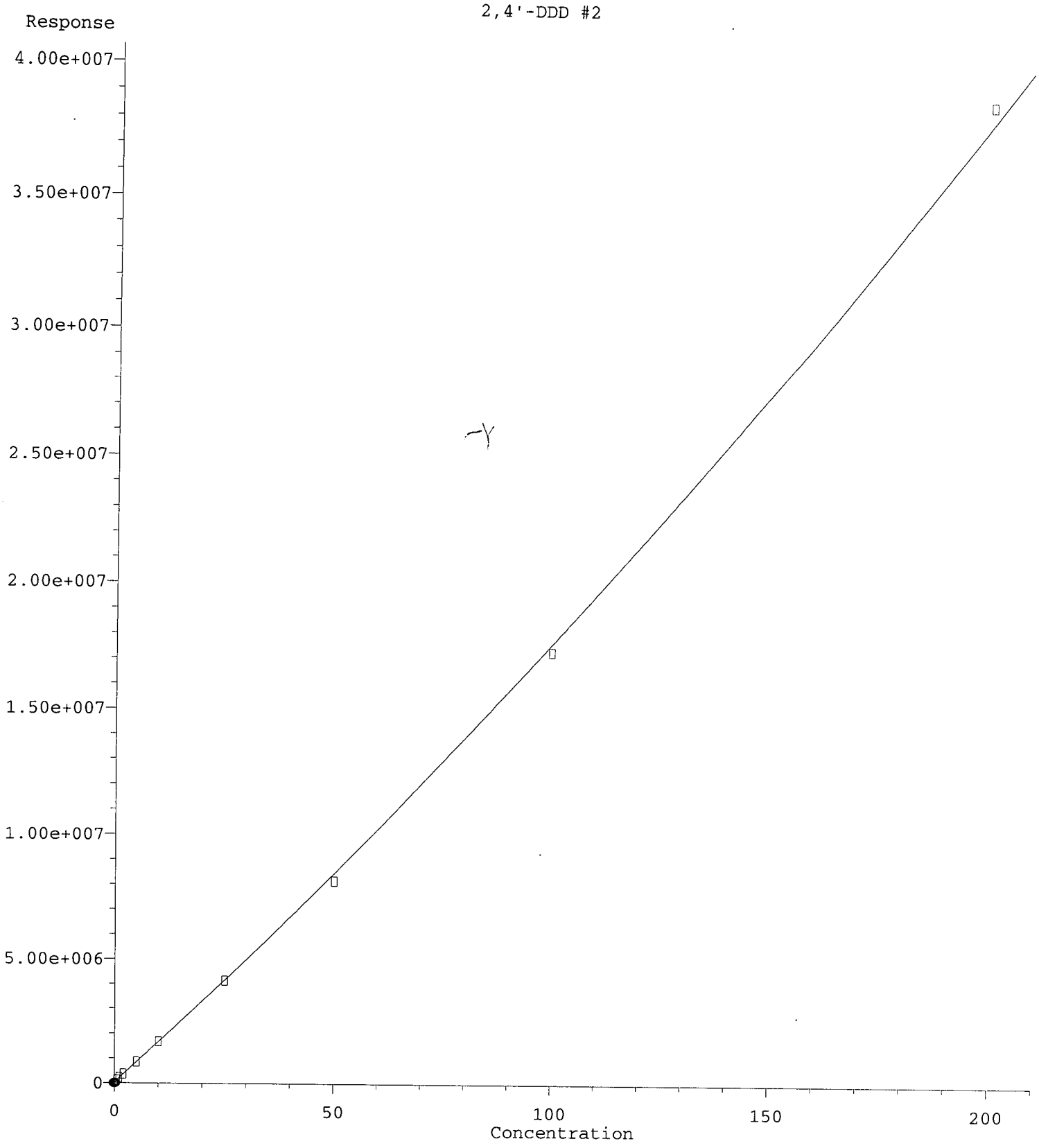
(28) 2,4'-DDD #2

8.500min 0.475 ng/mL

response 121076

(+) = Expected Retention Time

ECD5_QUANTPEST_200324.M Wed Mar 25 14:56:40 2020



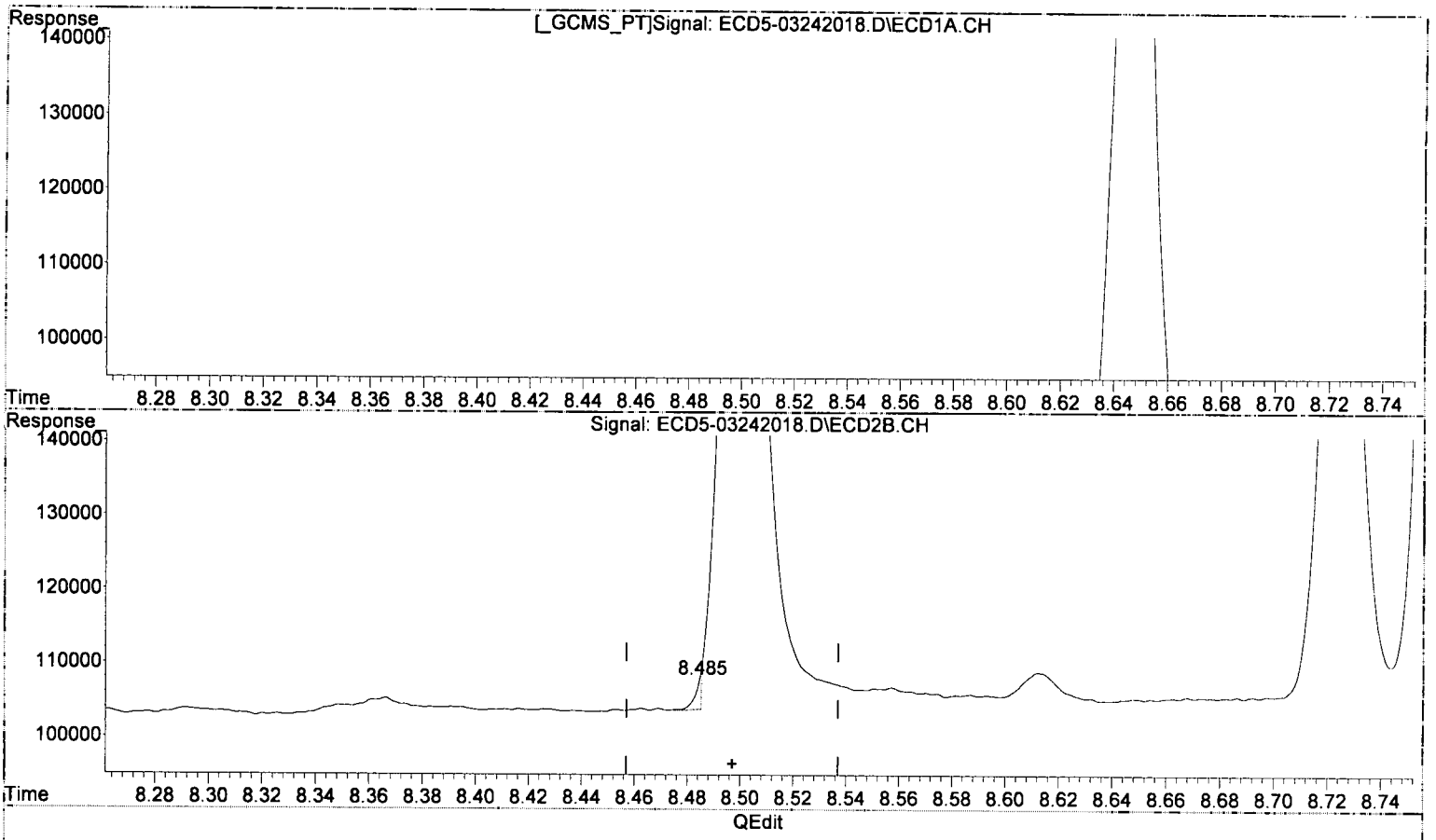
R = 1.46e+002 A*A + 1.61e+005 A + 4.47e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

7.688min -0.241 ng/mL m

response 4207

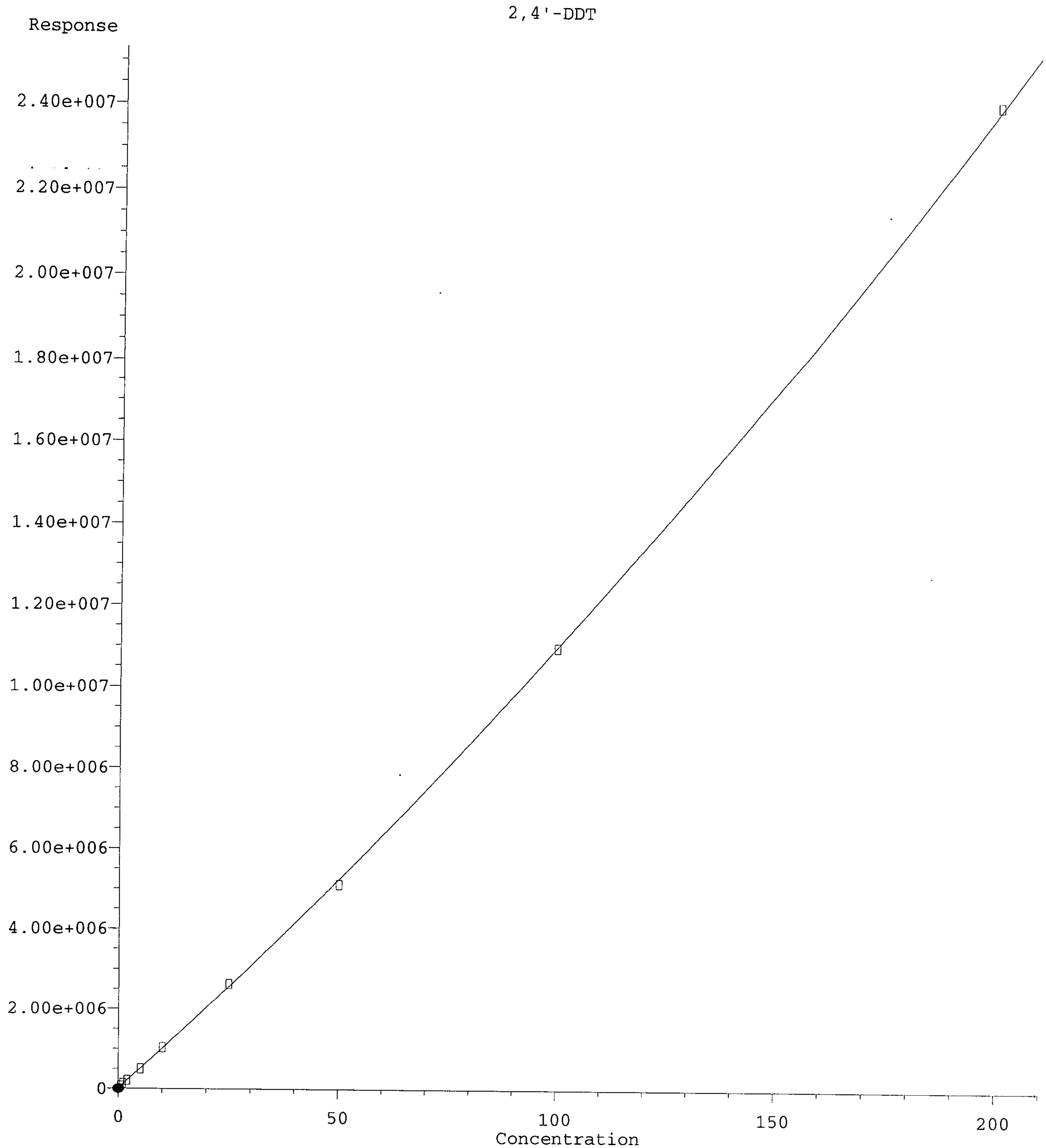
MJB 3/24/20

(28) 2,4'-DDD #2

8.485min -0.252 ng/mL m

response 4104

(+) = Expected Retention Time



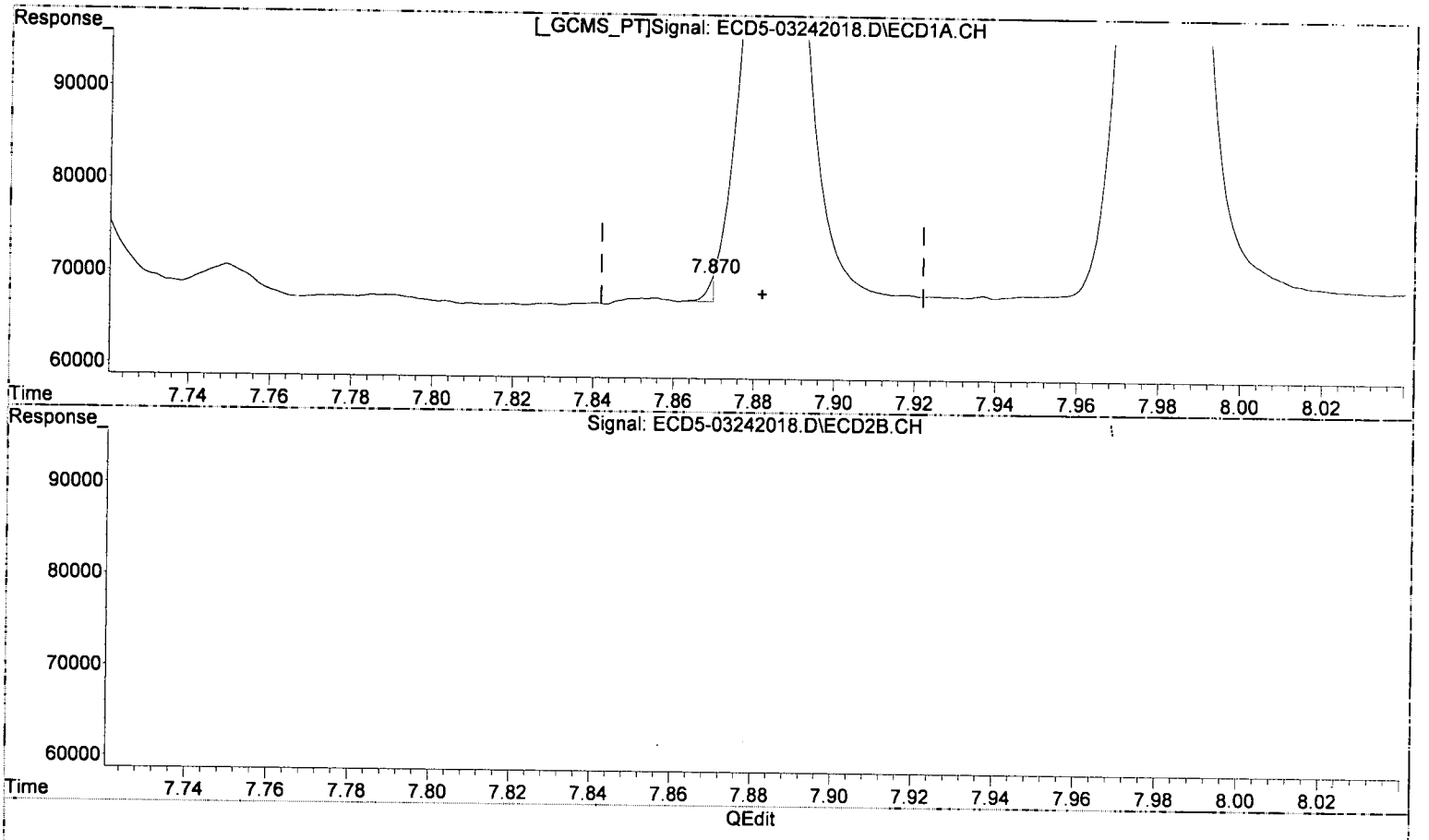
R = 1.04e+002 A*A + 9.91e+004 A + 2.01e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

7.870min -0.176 ng/mL m

response 2632

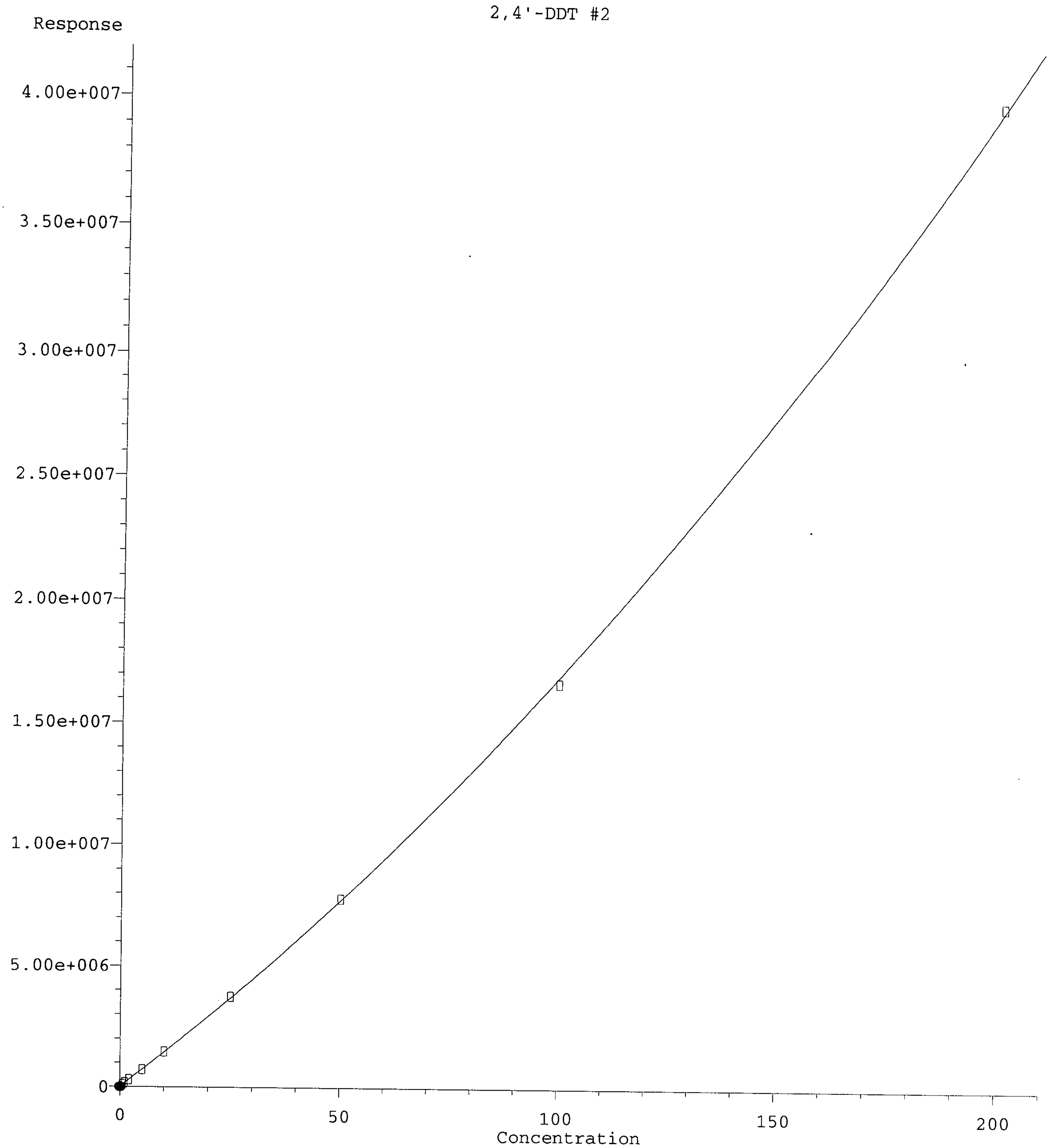
MB 3/25/20

(29) 2,4'-DDT #2

8.725min 0.488 ng/mL

response 93729

(+) = Expected Retention Time



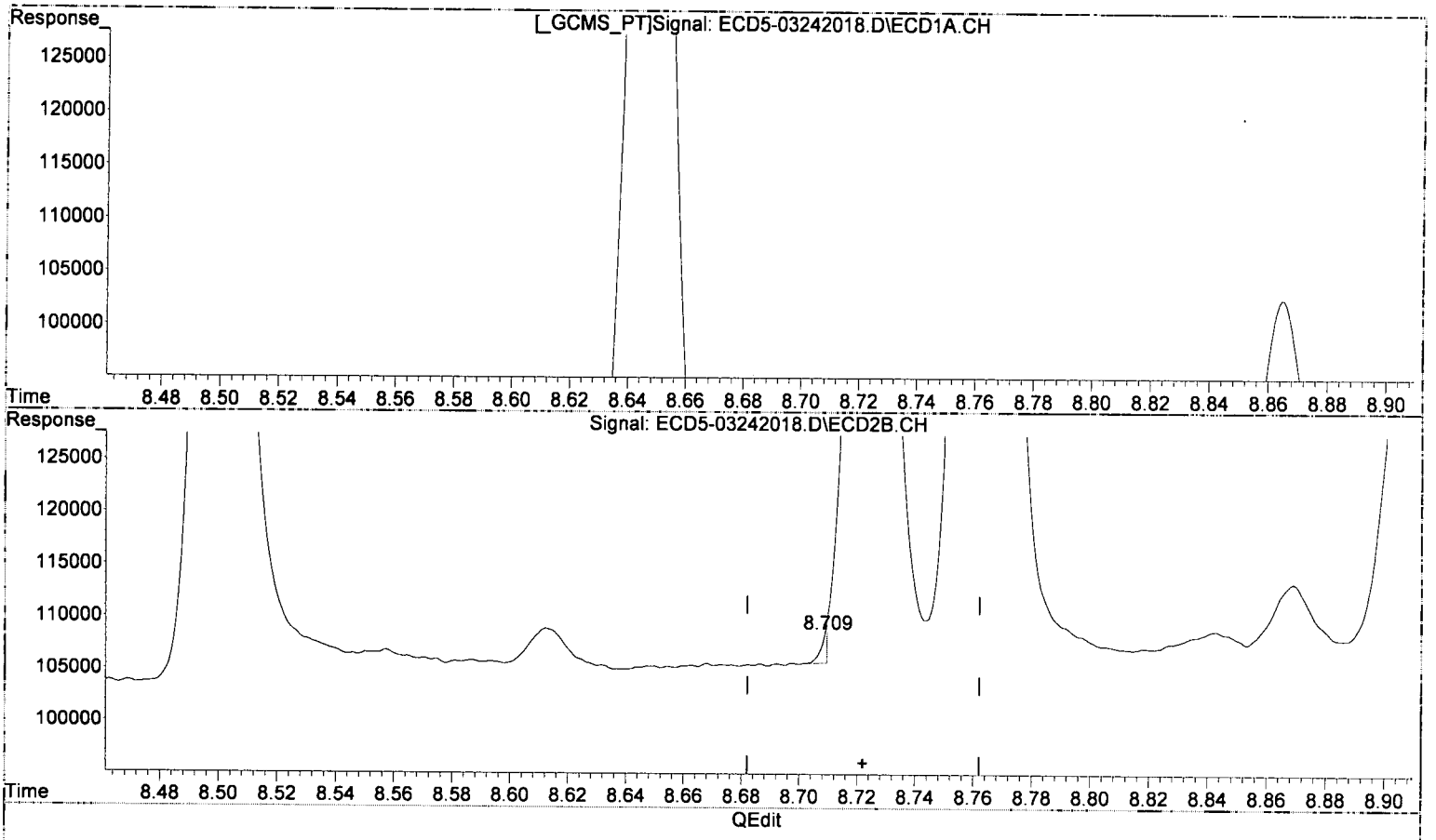
R = 2.99e+002 A*A + 1.39e+005 A + 2.59e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic (1/...)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

7.870min -0.176 ng/mL m

response 2632

MJB 3/25/20

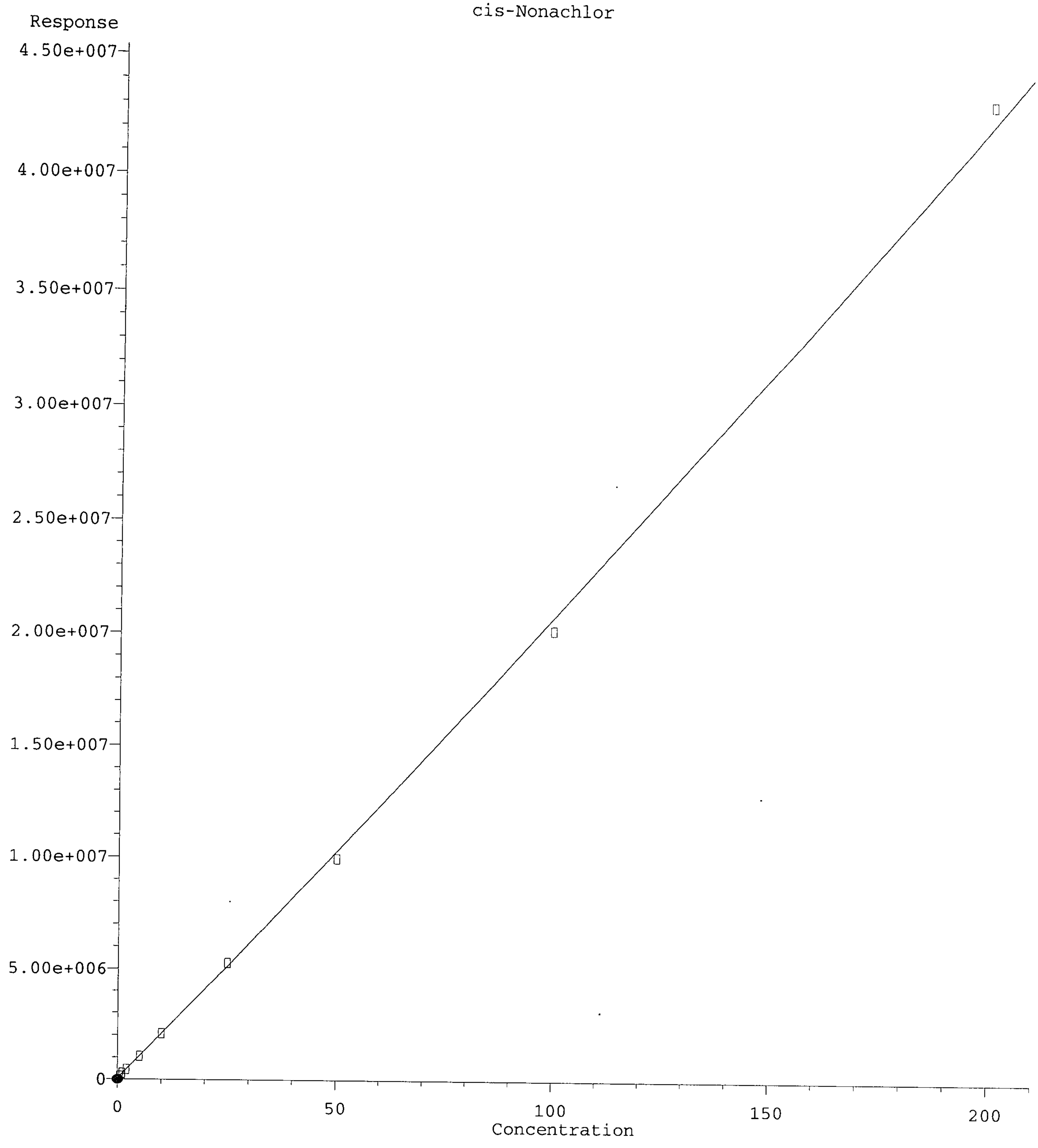
(29) 2,4'-DDT #2

8.709min -0.166 ng/mL m

response 2784

(+) = Expected Retention Time

cis-Nonachlor



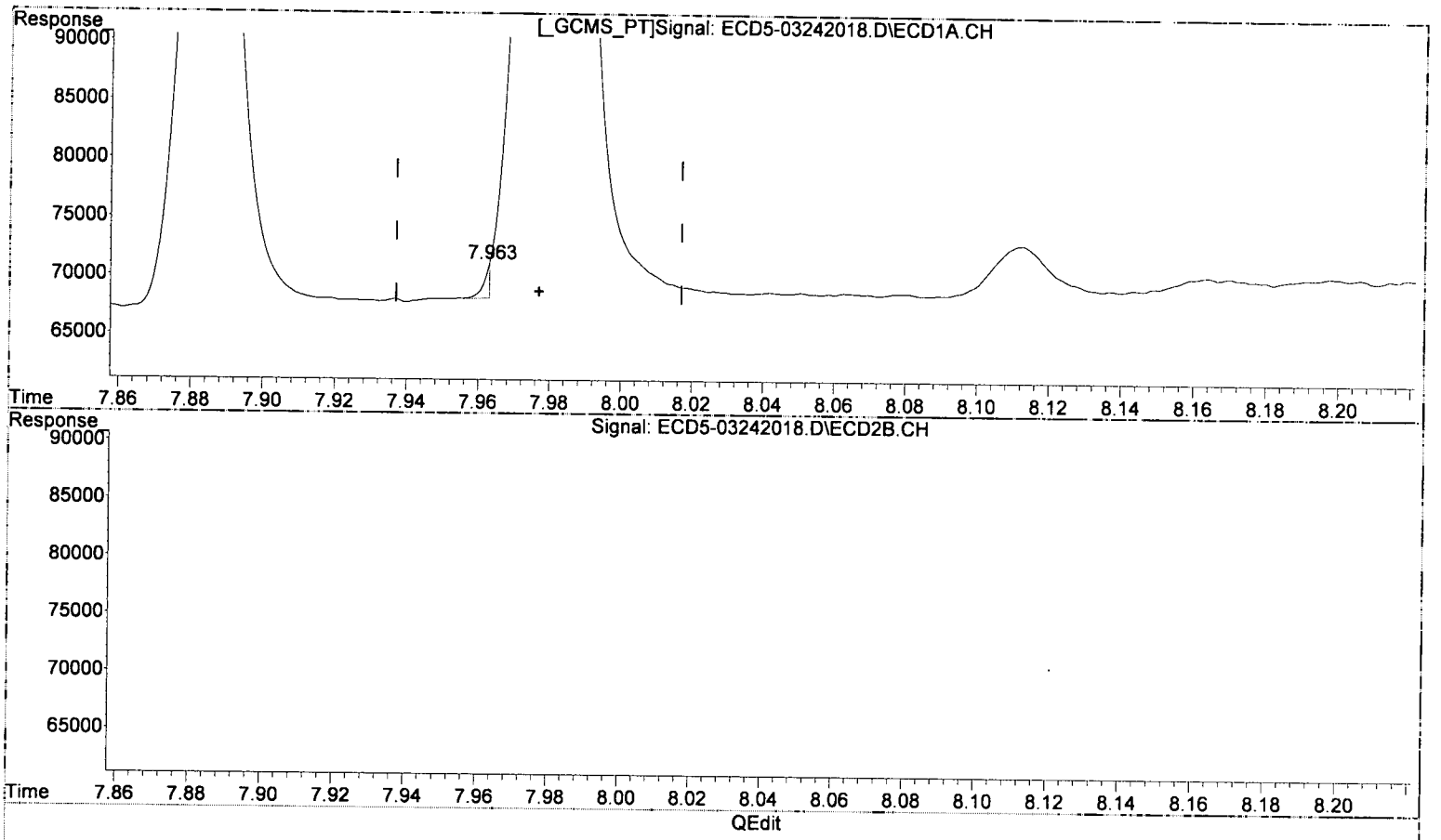
R = 4.93e+001 A*A + 2.02e+005 A + 4.66e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(30) cis-Nonachlor

7.963min -0.216 ng/mL (m)

response 2941

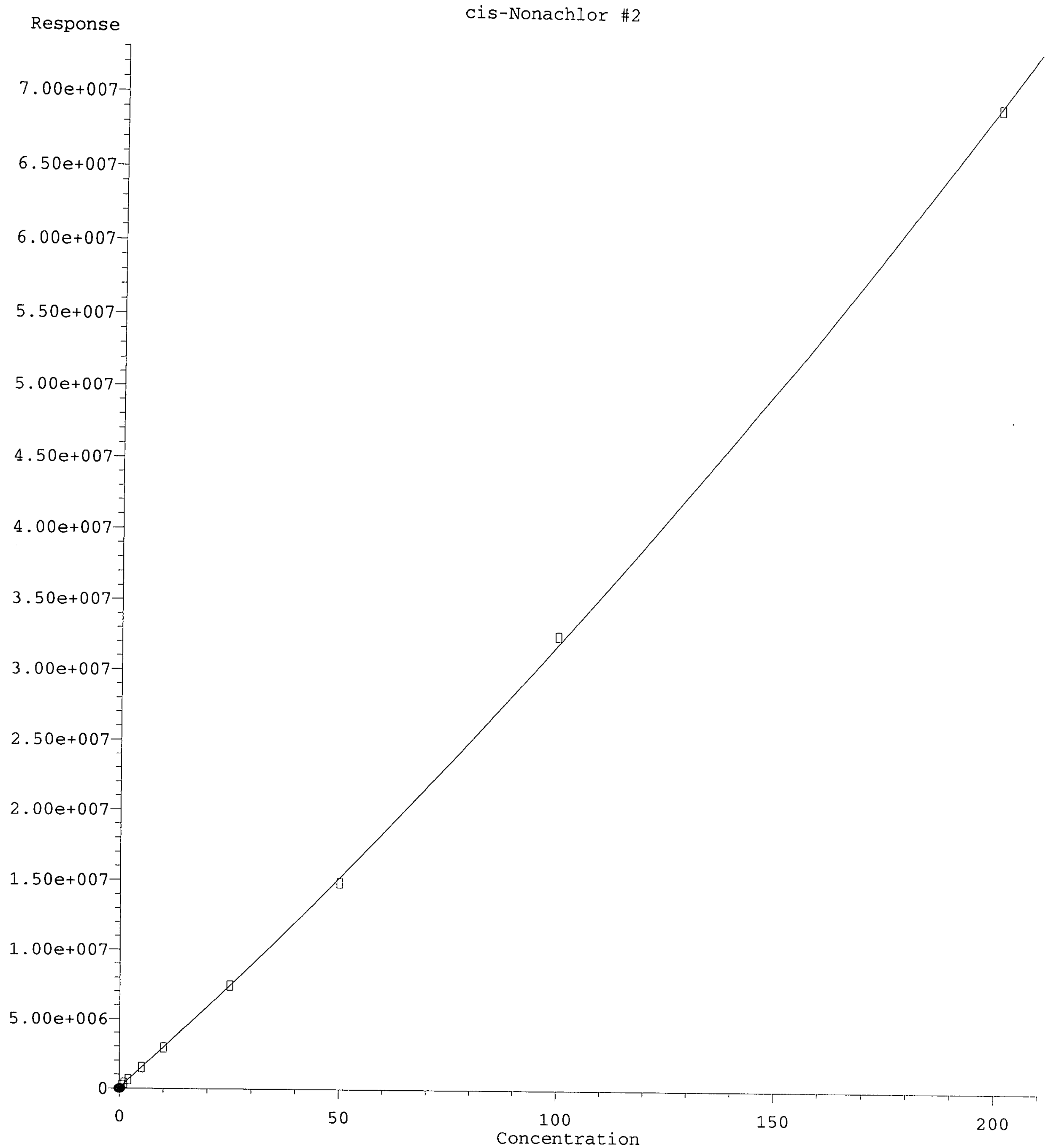
MJB 3/25/20

(30) cis-Nonachlor #2

8.764min 0.483 ng/mL

response 200734

(+) = Expected Retention Time



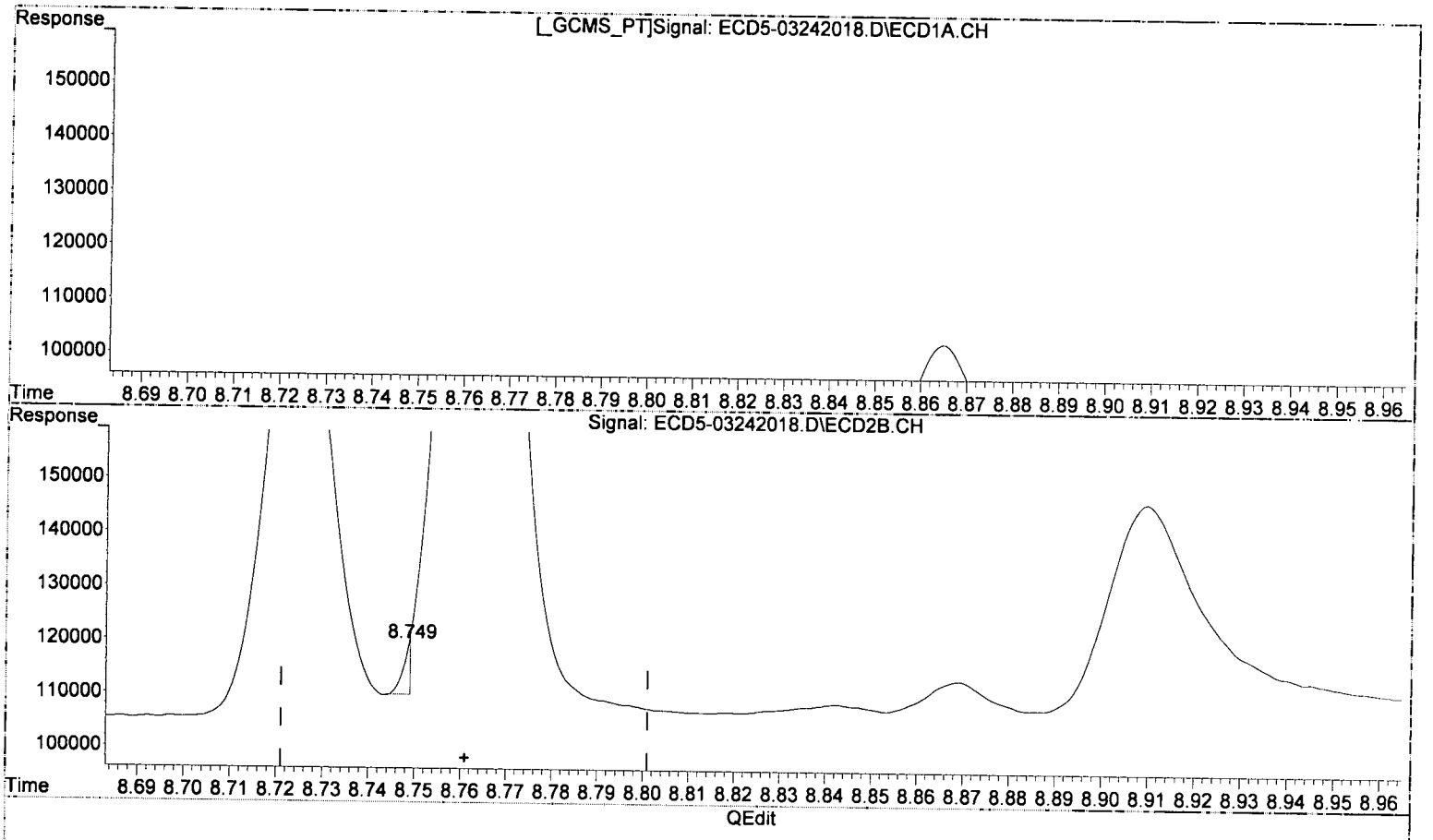
R = 3.03e+002 A*A + 2.88e+005 A + 6.18e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic (1/x^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:26 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

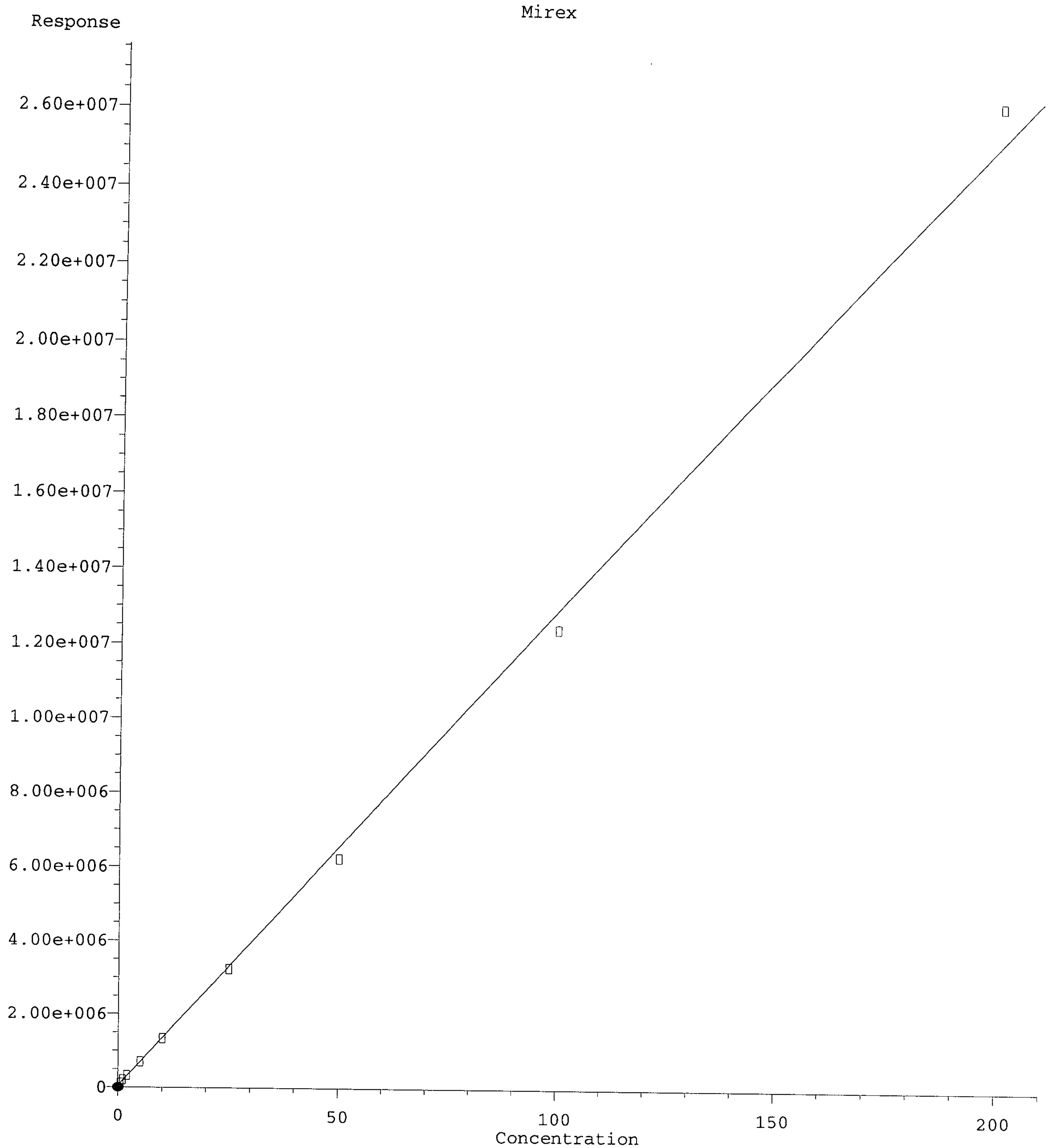


(30) cis-Nonachlor
7.963min -0.216 ng/mL m
response 2941

MJB 3/25/20

(30) cis-Nonachlor #2
8.749min -0.181 ng/mL m
response 9612

(+) = Expected Retention Time



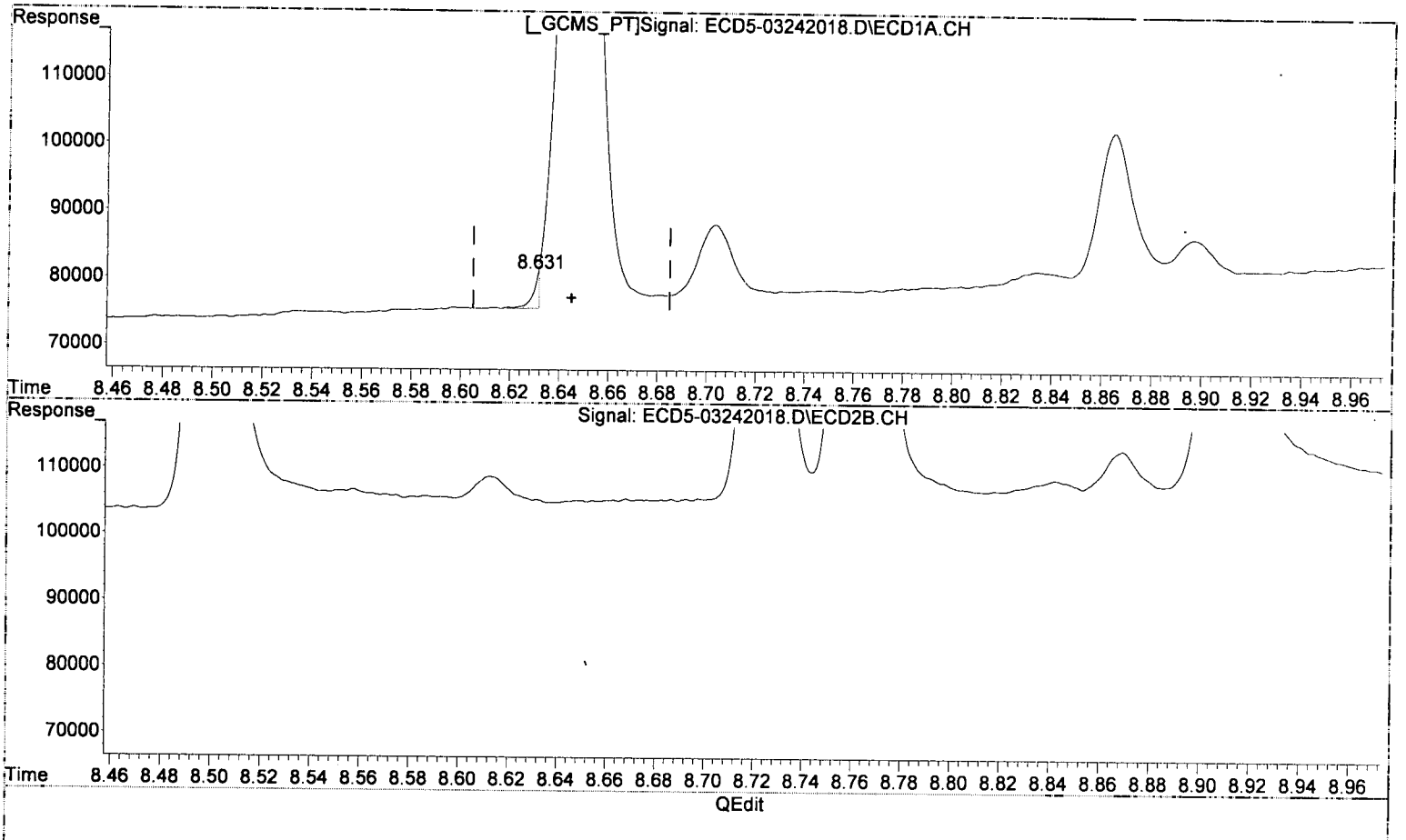
R = -2.27e+001 A*A + 1.31e+005 A + 5.25e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

8.631min 5765.317 ng/mL (m) QDA

response 5259

MJB 3/25/20

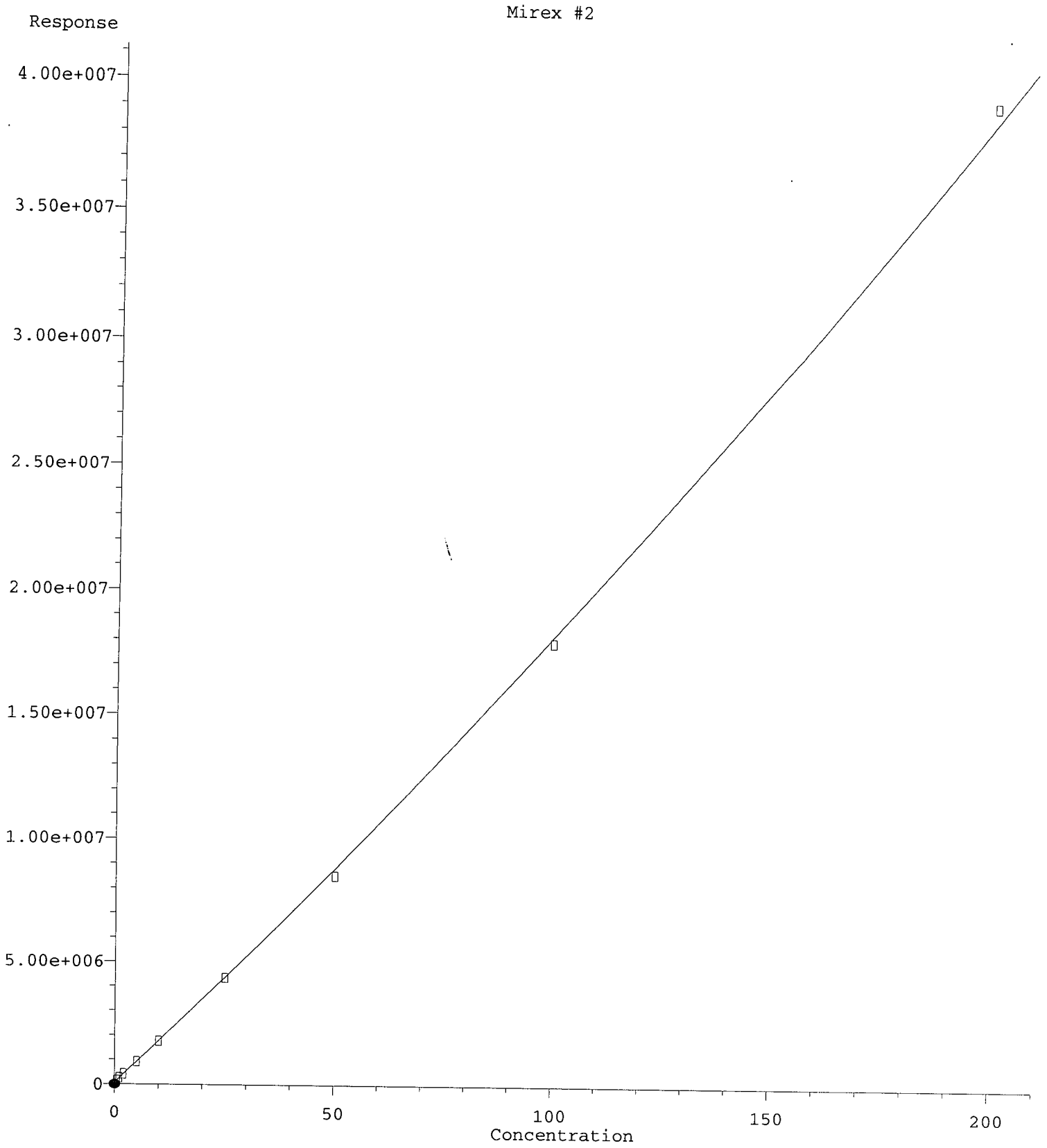
(31) Mirex #2

9.688min 0.475 ng/mL

response 155731

(+) = Expected Retention Time

ECD5_QUANTPEST_200324.M Wed Mar 25 14:57:30 2020



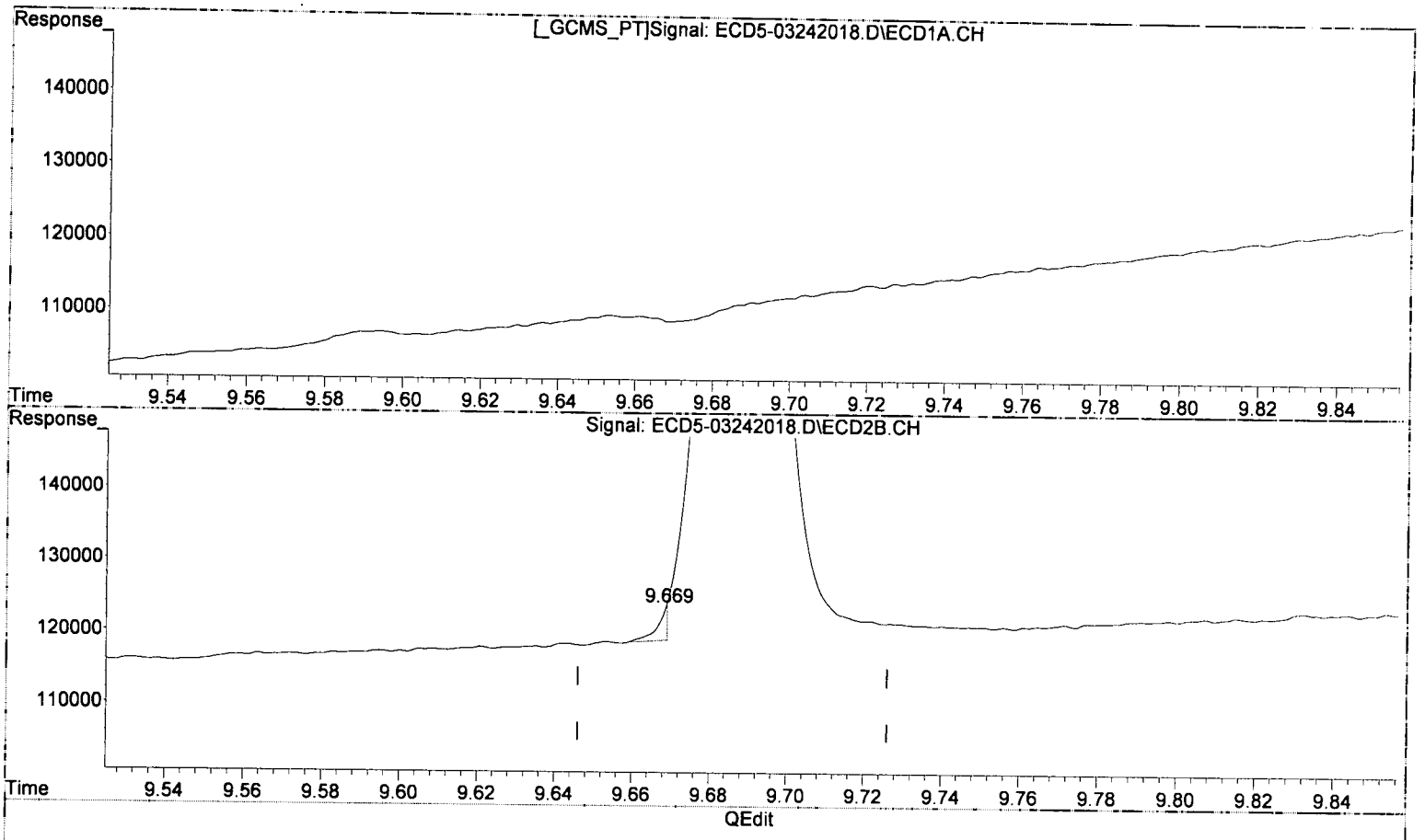
R = 1.21e+002 A*A + 1.69e+005 A + 7.55e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed Mar 25 12:55:06 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

8.631min 5765.317 ng/mL m

response 5259

MB 3/25/20

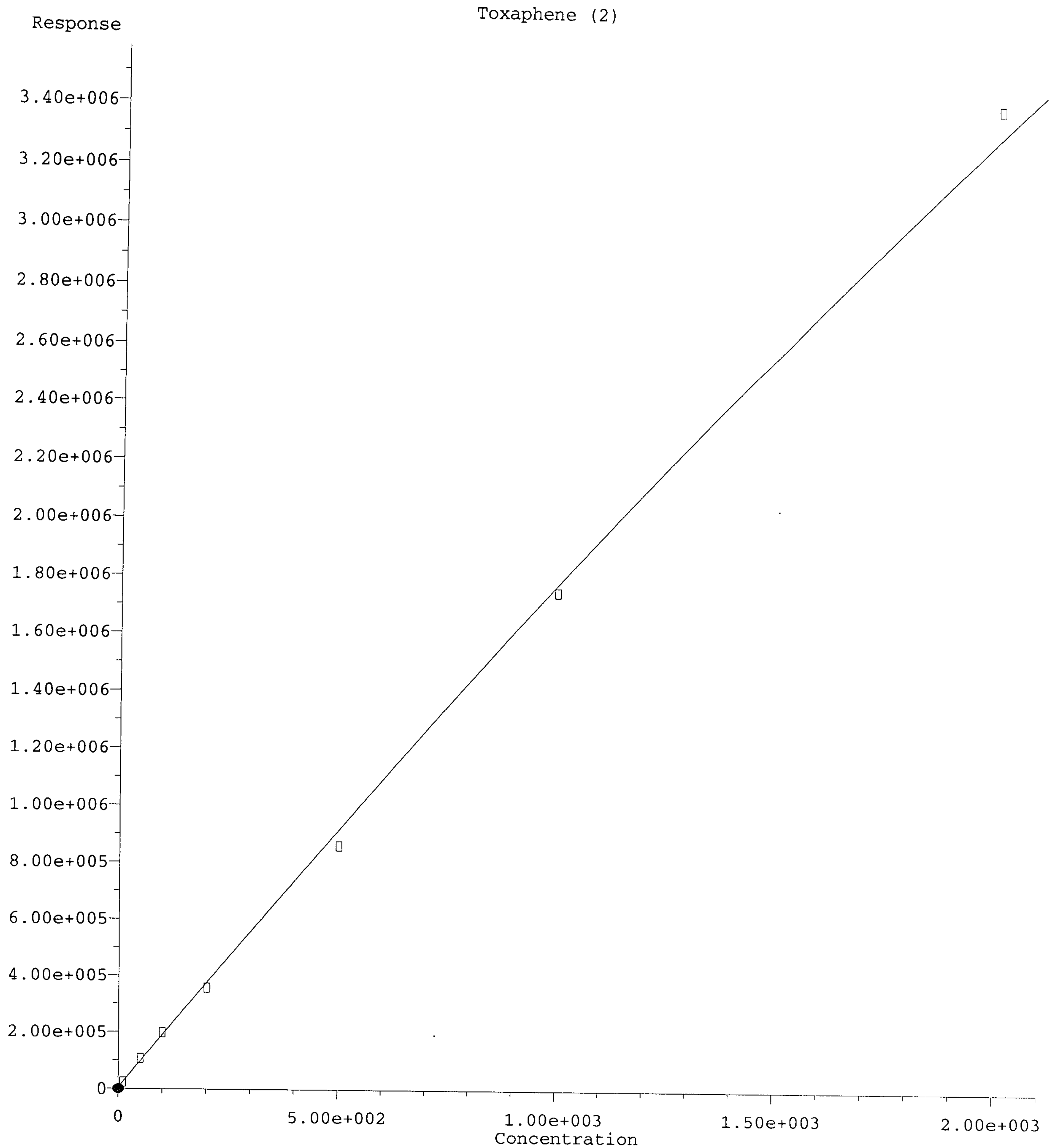
(31) Mirex #2

9.669min -0.420 ng/mL (m)

response 4657

(+) = Expected Retention Time

ECD5_QUANTPEST_200324.M Wed Mar 25 14:57:39 2020



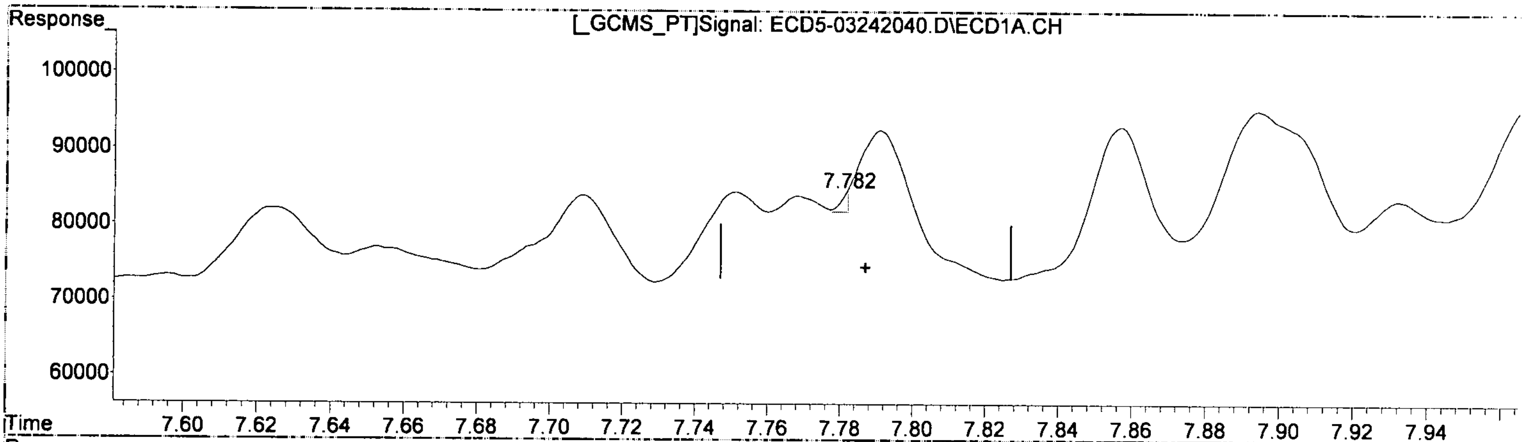
R = -1.12e-001 A*A + 1.88e+003 A + 4.58e+003
Coef of Det (r^2) [illegible]
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M

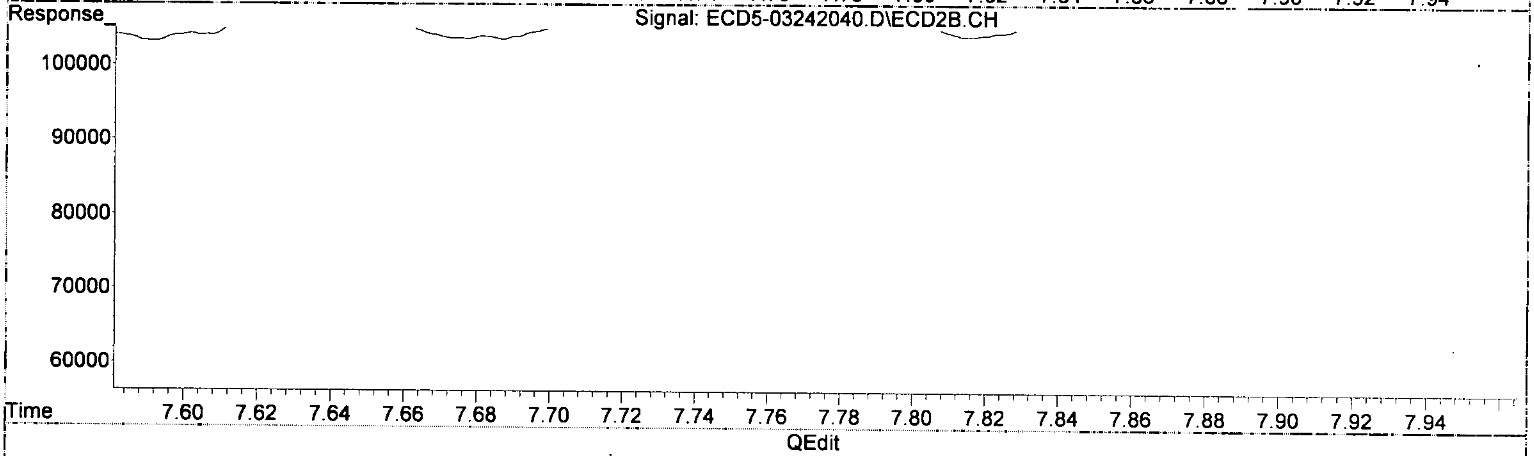
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 24 Mar 2020  23:39
Operator  : MJB
Sample    : 0C24036-CALQ
Misc      : A20B334, TOX 10 ppb
ALS Vial  : 32 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title  : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

Volume Inj.     : 2uL
Signal #1 Phase : Rtx-CLPesticides  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

(37) Toxaphene (2)

7.782min 16730.285 ng/mL (m)

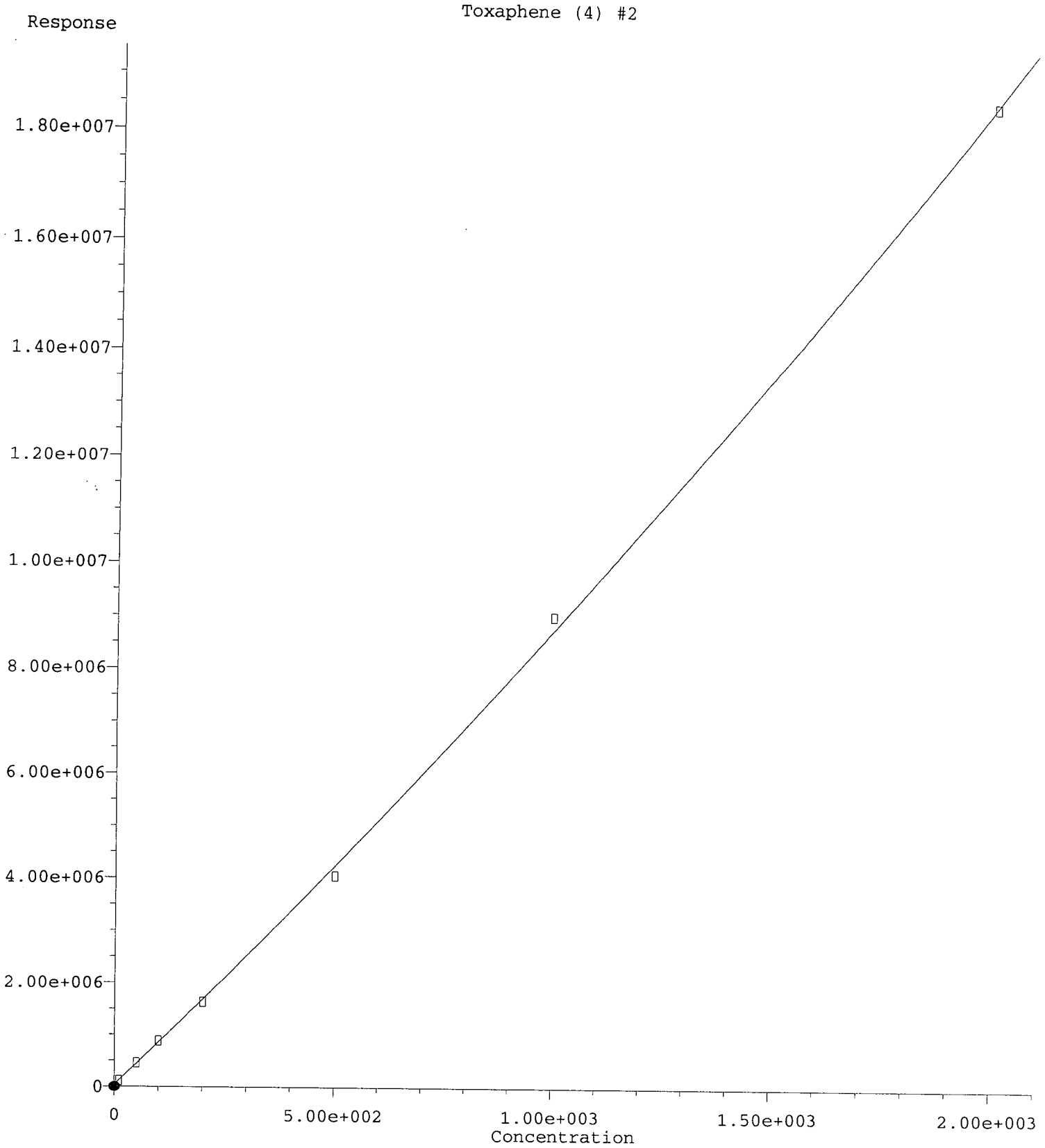
response 2574

(37) Toxaphene (2) #2

8.817min 10.909 ng/mL

response 38990

(+) = Expected Retention Time



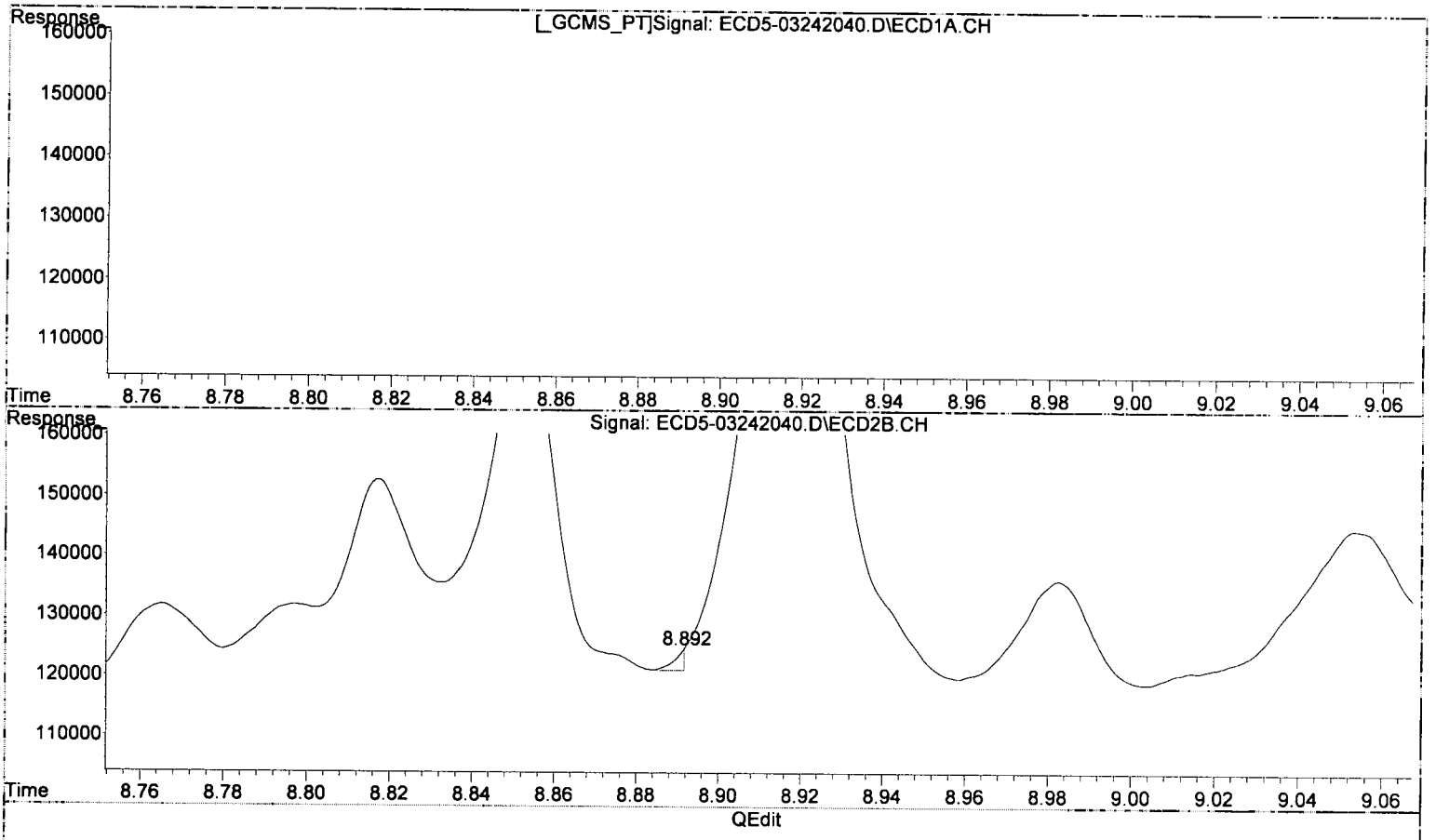
R = 5.68e-001 A*A + 8.14e+003 A + 3.54e+004
Coef of Det (r^2) = 0.999
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Calibration Table Last Updated: Wed M...

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(39) Toxaphene (4)

8.343min 12.110 ng/mL

response 47569

MJB 3/25/20

(39) Toxaphene (4) #2

8.892min -3.919 ng/mL (m)

response 3504

(+) = Expected Retention Time

ECD5_QUANTPEST_200324.M Wed Mar 25 14:58:19 2020 Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

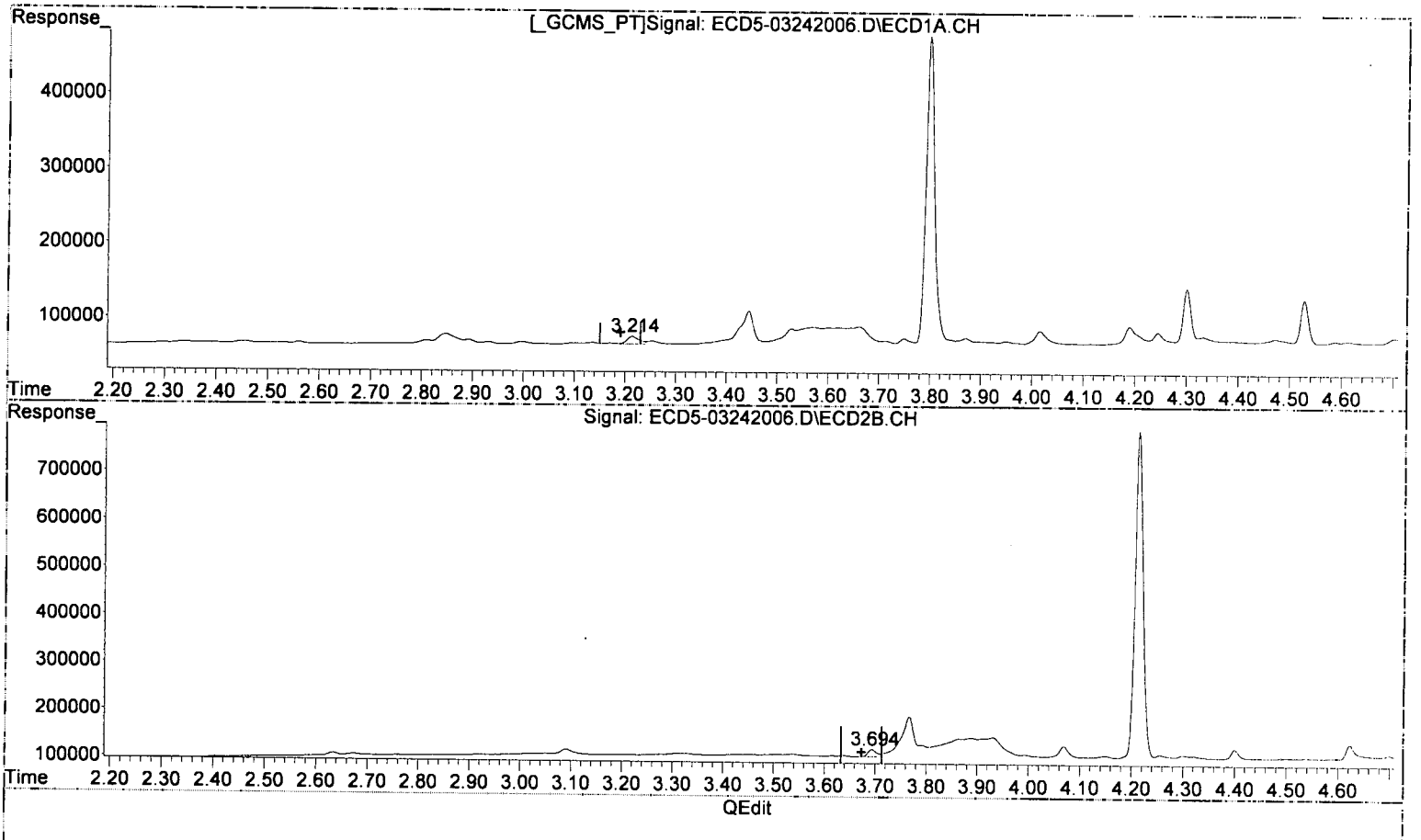
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.393	5.989	18394794	28643240	95.214	100.204	
22)	S DCBP (S)	9.591	10.556	15341416	16344635	102.987	96.242	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	6.278	0.000	9001	0	0.094	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	7.568	0	13132	N.D.	0.040	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.407	8.144	8482	11575	0.041	0.038	
10)	cis-Chlor...	7.509	0.000	8181	0	0.040	N.D.	#
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	7.765f	0.000	1068	0	0.005	N.D.	#
14)	Endrin	7.942	0.000	1702	0	0.010	N.D.	#
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	8.094	8.849	14599	13225	0.087	0.055	#
17)	4,4'-DDT	8.196	8.957f	3331	4449	0.010	0.082	#
18)	Endrin Al...	8.376f	9.078f	17067	17352	0.117	0.083	#
19)	Endosulfa...	8.734f	0.000	3354	0	0.020	N.D.	#
20)	Methoxychlor	8.538	0.000	7820	0	BelowCal	N.D.	
21)	Endrin Ke...	8.900	9.722f	2688	850	0.014 Q01	0.003	#
23)	Hexachlor...	3.215f	3.694f	9983	14471	~~11064.655~~	BelowCal	#
24)	Hexachlor...	5.775	6.475f	23572	6255	BelowCal	BelowCal	
25)	Oxychlordane	7.247	7.883f	11746	18231	BelowCal	BelowCal	
26)	2,4'-DDE	0.000	8.144f	0	11575	N.D.	BelowCal	
27)	trans-Non...	7.509	0.000	8181	0	BelowCal	N.D.	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	7.862	0.000	2271	0	BelowCal	N.D.	
30)	cis-Nonac...	7.942f	0.000	1702	0	BelowCal Q01	N.D.	
31)	Mirex	8.649	9.722f	6913	850	~~5765.304~~	BelowCal	#
32)	Chlordane...	7.407	8.144	8482	11575	0.363	0.294	
33)	Chlordane...	7.509	0.000	8181	0	0.308	N.D.	#
34)	Chlordane...	8.094f	8.907	14599	46298	2.008	4.524	#
35)	Chlordane...	0.000	3.694	0	14471	N.D.	NoCal	
36)	Toxaphene...	7.509	0.000	8181	0	7.872	N.D.	#
37)	Toxaphene...	7.765f	8.849f	1068	13225	~~16731.085~~ Q04	3.700	#
38)	Toxaphene...	8.094	8.849	14599	13225	3.581	2.369	#
39)	Toxaphene...	8.305f	8.907	35845	46298	9.125	1.341	#
40)	Toxaphene...	8.538f	9.078	7820	17352	2.549	3.511	#
41)	Toxaphene...	8.649	0.000	6913	0	1.726	N.D.	#
42)	Toxaphene...	3.661f	3.694	23805	14471	NoCal	NoCal	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(23) Hexachlorobutadiene

3.215min 11064.655 ng/mL Q-D1

response 9983

MJB 3/25/20

(23) Hexachlorobutadiene #2

3.694min -0.182 ng/mL

response 14471

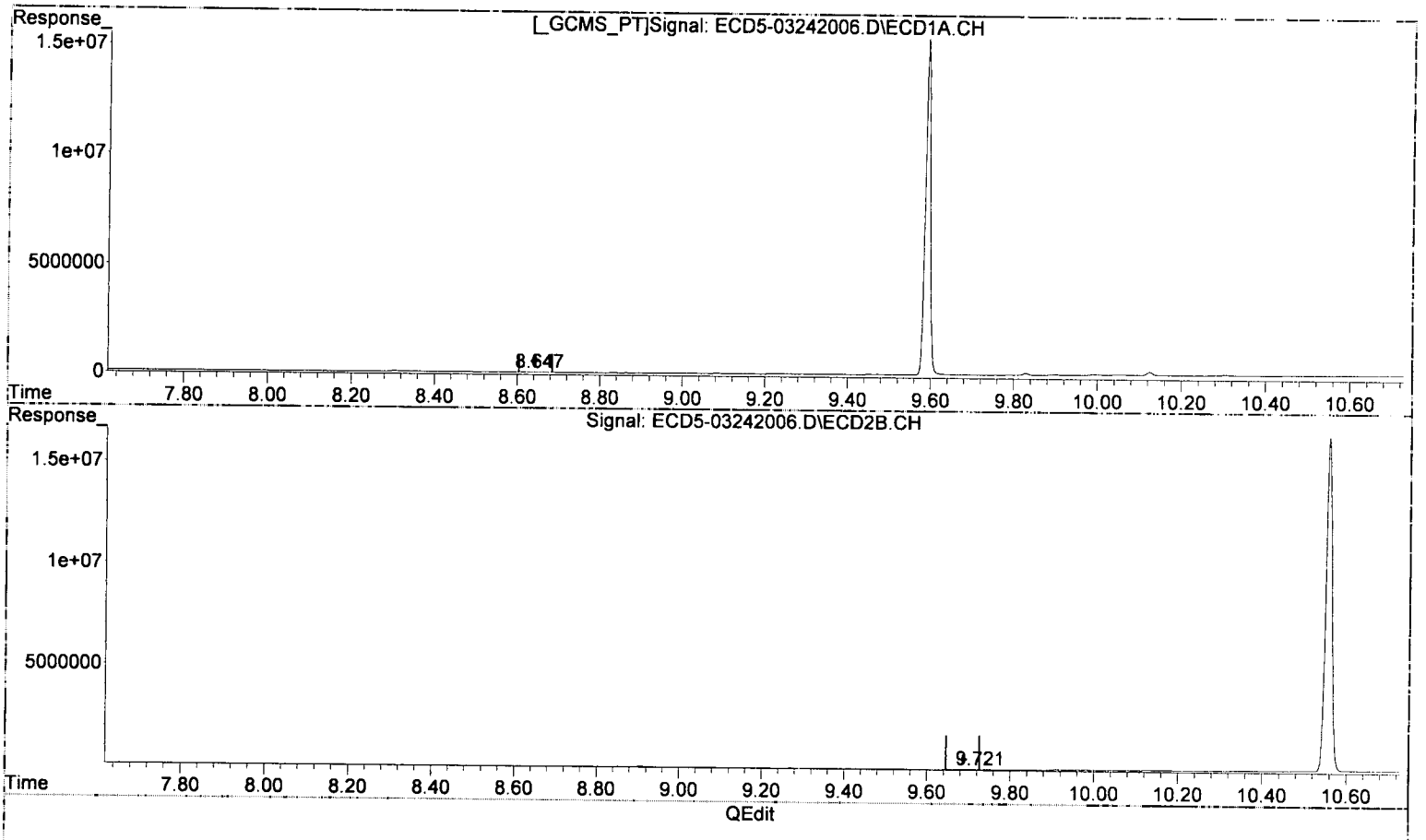
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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

8.649min 5765.304 ng/mL Q-DCI

response 6913

MJB 3/25/20

(31) Mirex #2

9.722min -0.443 ng/mL

response 850

(+) = Expected Retention Time

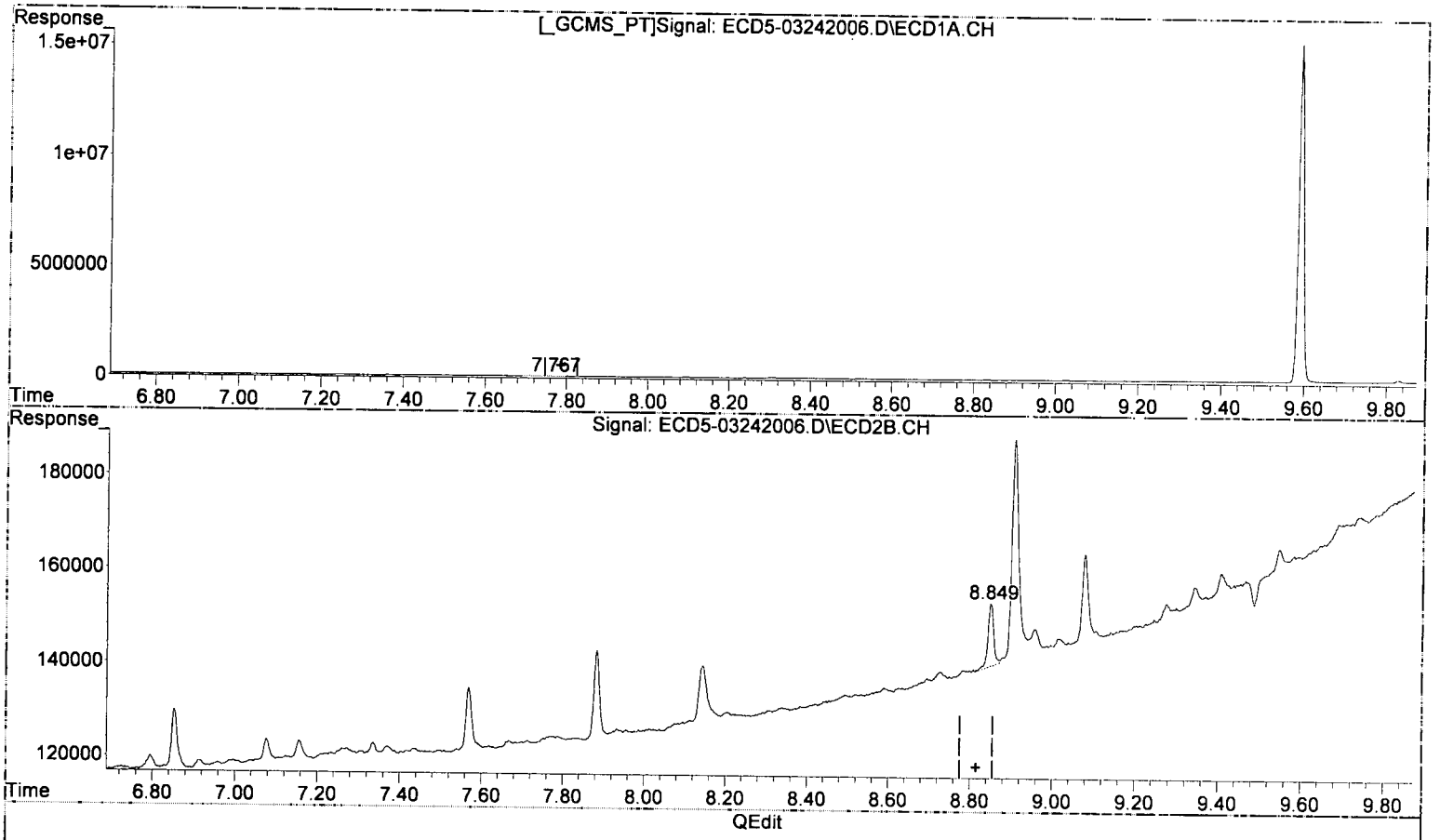
ECD5_QUANTPEST_200324.M Wed Mar 25 15:12:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(37) Toxaphene (2)

7.765min 16731.085 ng/mL Q-DC1

response 1068

MJB 3/25/20

(37) Toxaphene (2) #2

8.849min 3.700 ng/mL

response 13225

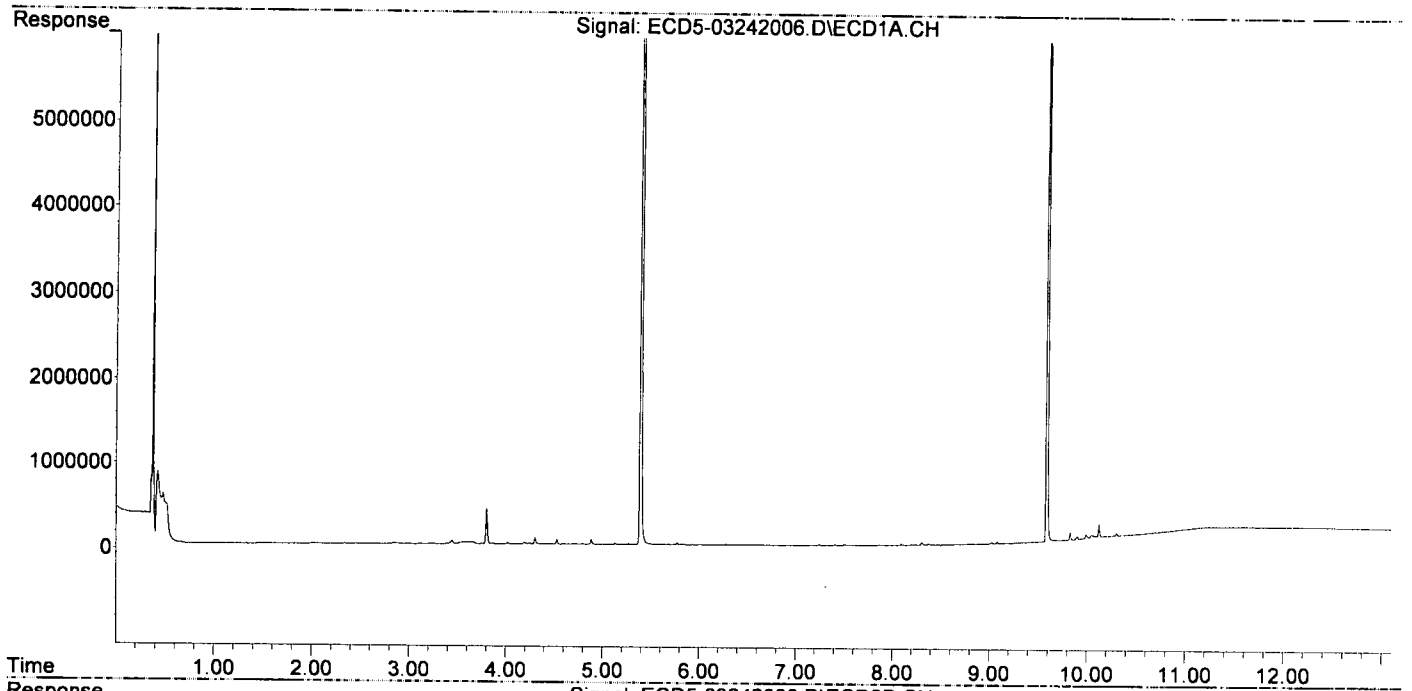
(+) = Expected Retention Time

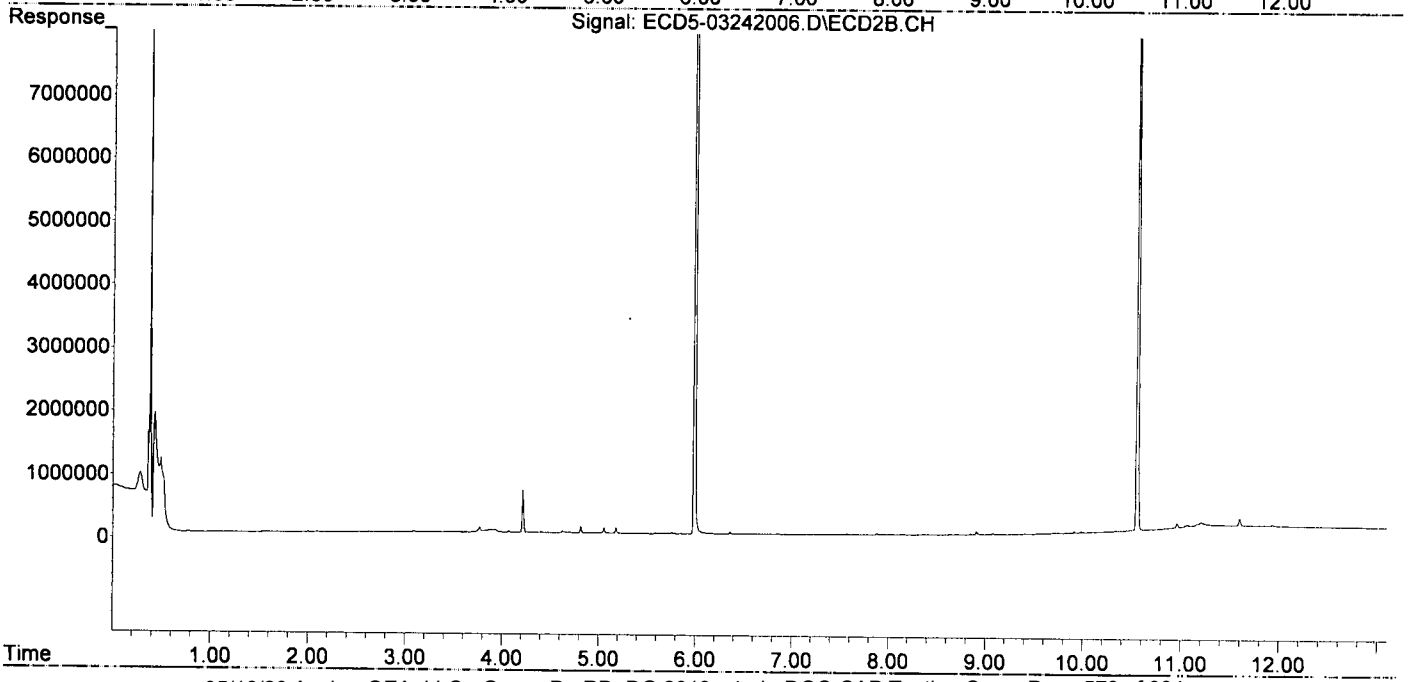
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 13:58
Operator : MJB
Sample : 0C24036-ICB1
Misc : A20B383
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:50
Operator : MJB
Sample : 0C24036-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: Mar 25 15:05:36 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

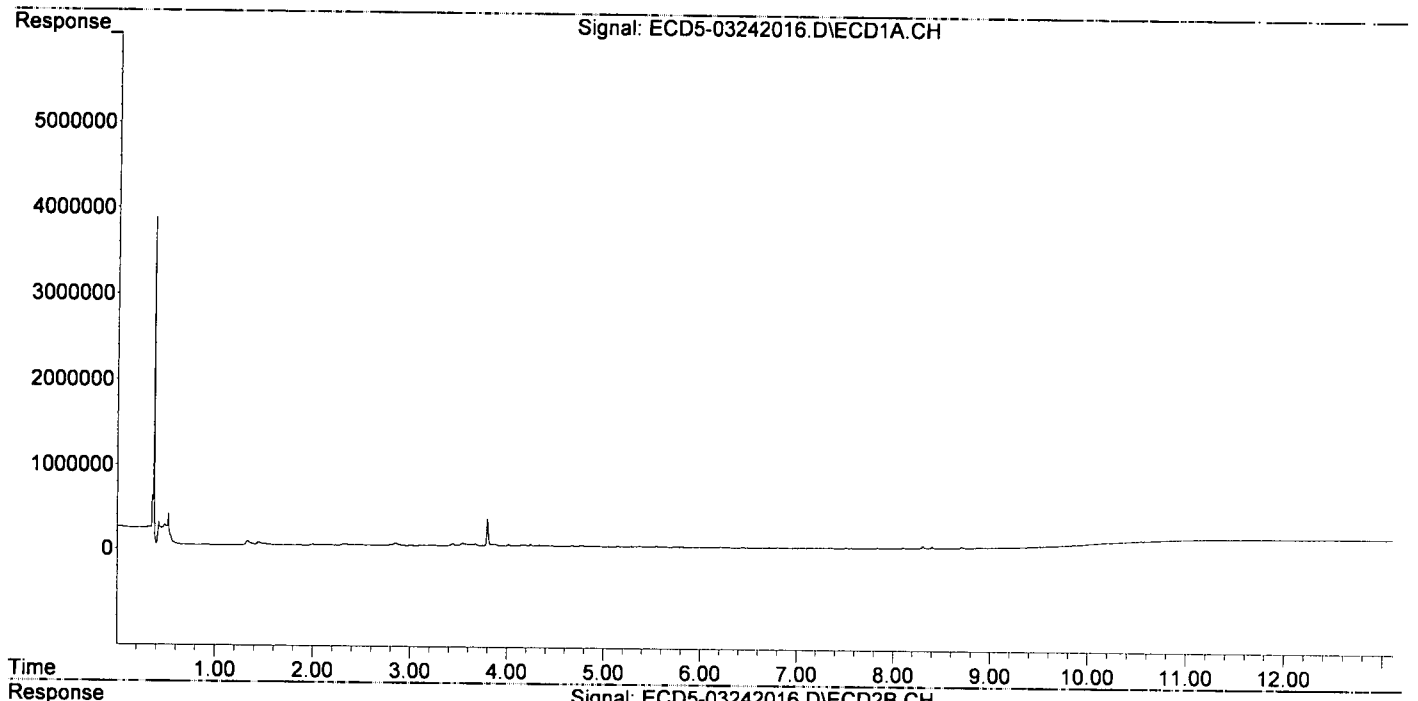
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.368f	5.952f	11104	7124	0.057	0.025	#
22)	S DCBP (S)	9.589	0.000	5245	0	BelowCal	N.D.	
	Target Compounds							
2)	a-BHC	5.922	0.000	6418	0	0.024	N.D.	#
3)	g-BHC	6.211	0.000	10173	0	0.044	N.D.	#
4)	b-BHC	6.273	0.000	6619	0	0.069	N.D.	#
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	6.443	7.232	8373	15830	0.043	0.048	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.345	0.000	8435	0	0.041	N.D.	#
9)	trans-Chl...	0.000	8.144	0	8146	N.D.	0.027	#
10)	cis-Chlor...	7.514	0.000	5600	0	0.027	N.D.	#
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	0.000	8.492	0	4969	N.D.	0.017	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.001	0.000	1681	0	0.010	N.D.	#
16)	Endosulfa...	8.108	8.866	7907	11224	0.047	0.047	
17)	4,4'-DDT	8.156f	9.004	1529	6580	BelowCal	0.095	
18)	Endrin Al...	8.400	9.104	25319	34361	0.173	0.165	
19)	Endosulfa...	8.702	9.294	22975	28937	0.140	0.127	
20)	Methoxychlor	8.532	0.000	1152	0	BelowCal	N.D.	
21)	Endrin Ke...	8.895	9.694	9640	13750	0.050	0.055	
23)	Hexachlor...	3.209	3.665	12651	10234	~~11064.641~~	BelowCal	#
24)	Hexachlor...	5.763	6.471	12449	9073	BelowCal	BelowCal	
25)	Oxychlordane	7.243	7.880f	10006	15538	BelowCal	BelowCal	
26)	2,4'-DDE	7.345	8.144f	8435	8146	BelowCal	BelowCal	
27)	trans-Non...	7.514	0.000	5600	0	BelowCal	N.D.	
28)	2,4'-DDD	0.000	8.492	0	4969	N.D.	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
30)	cis-Nonac...	8.001f	0.000	1681	0	BelowCal	N.D.	
31)	Mirex	8.636	9.694	1030	13750	~~5765.349~~	BelowCal	#
32)	Chlordane...	0.000	8.144	0	8146	N.D.	0.207	#
33)	Chlordane...	7.514	0.000	5600	0	0.211	N.D.	#
34)	Chlordane...	0.000	8.906	0	43159	N.D.	4.218	#
35)	Chlordane...	3.672f	3.690	24905	20865	NoCal	NoCal	
36)	Toxaphene...	7.514	8.492f	5600	4969	5.389	1.767	#
37)	Toxaphene...	0.000	8.846f	0	8264	N.D.	2.312	#
38)	Toxaphene...	8.108	8.846	7907	8264	1.940	1.480	
39)	Toxaphene...	8.305f	8.906	28924	43159	7.363	0.955	#
40)	Toxaphene...	8.592f	9.104	2032	34361	0.663	6.953	#
41)	Toxaphene...	8.636	0.000	1030	0	0.257	N.D.	#
42)	Toxaphene...	3.672f	3.690	24905	20865	NoCal	NoCal	

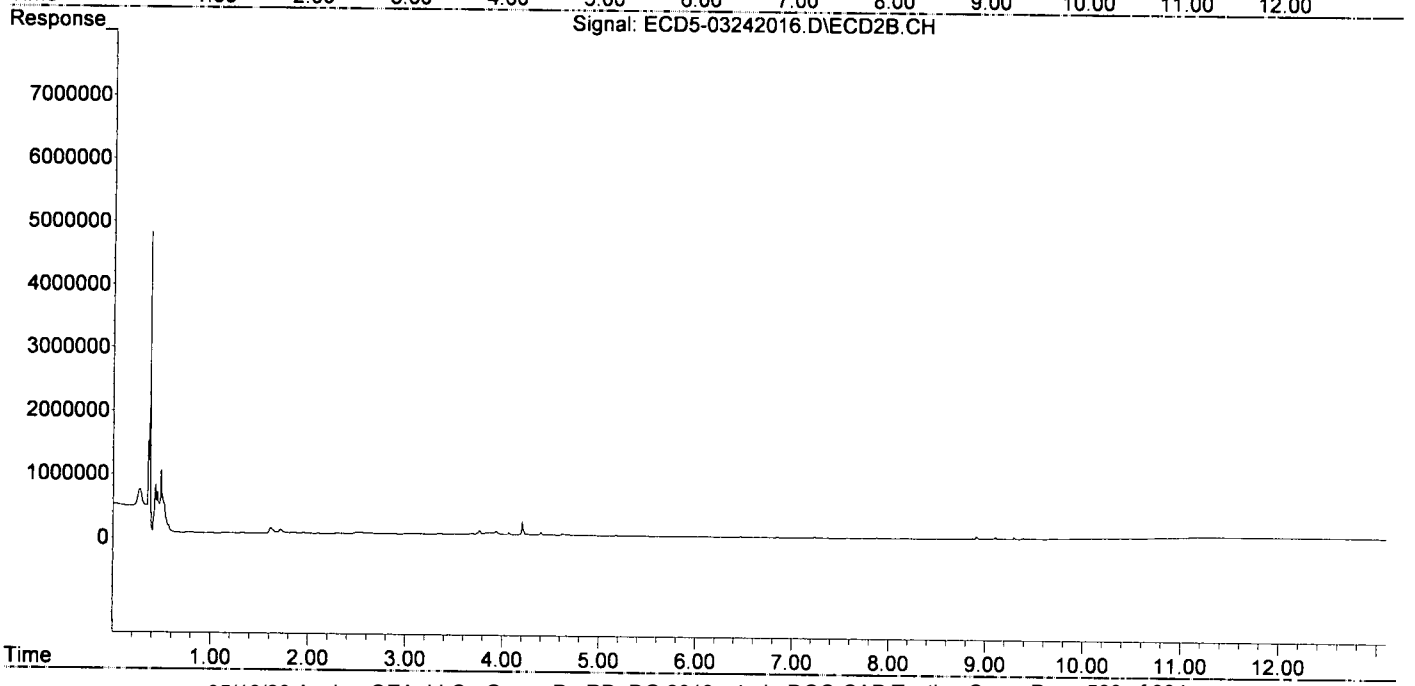
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:50
Operator : MJB
Sample : 0C24036-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: Mar 25 15:05:36 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:07
Operator : MJB
Sample : 0C24036-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/24/20

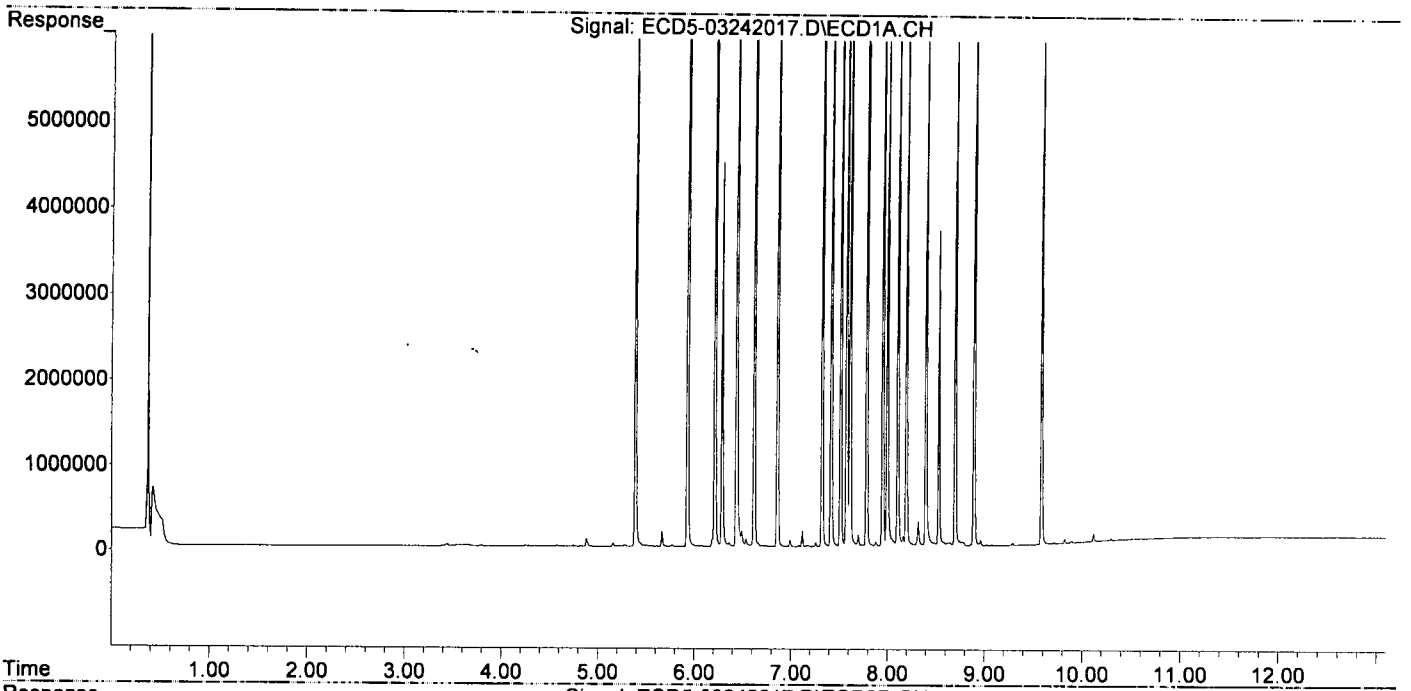
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.390	5.986	9367464	14162650	48.487	49.546	
22)	S DCBP (S)	9.587	10.551	7557509	8242843	50.690	48.536	
	Target Compounds							
2)	a-BHC	5.930	6.594	12755410	21106016	48.465	52.087	
3)	g-BHC	6.212	6.912	11558353	18810869	50.529	53.173	
4)	b-BHC	6.288	6.975	4480204	7173116	46.830	47.810	
5)	Heptachlor	6.621	7.287	10462925	16727203	46.964	49.910	
6)	d-BHC	6.438	7.232	10021417	17243006	51.359	52.803	
7)	Aldrin	6.863	7.553	10846463	17010897	48.853	52.200	
8)	Heptachlo...	7.324	7.992	9648290	14801988	47.076	49.730	
9)	trans-Chl...	7.419	8.132	10168721	15470981	48.780	51.068	
10)	cis-Chlor...	7.516	8.239	9585994	14412892	46.810	49.670	
11)	Endosulfa...	7.614	8.290	9152108	14115143	47.337	51.948	
12)	4,4'-DDE	7.577	8.346	9740532	15078544	49.417	52.659	
13)	Dieldrin	7.786	8.491	10393509	15742955	48.920	52.915	
14)	Endrin	7.951	8.719	8587119	12377217	50.238	54.053	
15)	4,4'-DDD	7.999	8.761	8211836	12285732	50.247	51.060	
16)	Endosulfa...	8.107	8.866	8473302	12707871	50.573	52.971	
17)	4,4'-DDT	8.196	8.989	7415118	10736571	55.443	56.766	
18)	Endrin Al...	8.398	9.103	7112332	10089160	48.591	48.505	
19)	Endosulfa...	8.700	9.293	8207473	12126919	49.913	53.260	
20)	Methoxychlor	8.531	9.468	3696308	5135459	54.110	54.745	
21)	Endrin Ke...	8.894	9.694	9153251	12814194	47.931	51.397	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.771	6.472f	22849	6484	BelowCal	BelowCal	
25)	Oxychlordane	7.260	7.897f	51933	10381	0.051	BelowCal	#
26)	2,4'-DDE	7.324	8.132	9648290	15470981	77.954	78.857	
27)	trans-Non...	7.516	8.193	9585994	48640	50.518	BelowCal	#
28)	2,4'-DDD	7.699	8.491	136731	15742955	1.010	90.245	#
29)	2,4'-DDT	7.881	8.719	54444	12377217	0.346	76.433	#
30)	cis-Nonac...	7.999f	8.761	8211836	12285732	40.058	40.745	
31)	Mirex	8.648	9.694	42653	12814194	5765.031	71.814	#
32)	Chlordane...	7.419	8.132	10168721	15470981	435.638	392.623	
33)	Chlordane...	7.516	8.239	9585994	14412892	361.022	440.105	
34)	Chlordane...	0.000	8.866f	0	12707871	N.D.	1241.823	#
35)	Chlordane...	3.667f	0.000	12780	0	NoCal	N.D.	
36)	Toxaphene...	7.516f	8.491f	9585994	15742955	9224.477	5597.720	#
37)	Toxaphene...	7.786	0.000	10393509	0	BelowCal	N.D.	
38)	Toxaphene...	8.107	8.866	8473302	12707871	2078.547	2275.960	
39)	Toxaphene...	8.319f	8.947f	293570	63947	74.735	3.509	#
40)	Toxaphene...	8.531f	9.103	3696308	10089160	1204.997	2041.648	#
41)	Toxaphene...	8.648	9.468	42653	5135459	10.648	950.212	#
42)	Toxaphene...	3.667f	0.000	12780	0	NoCal	N.D.	

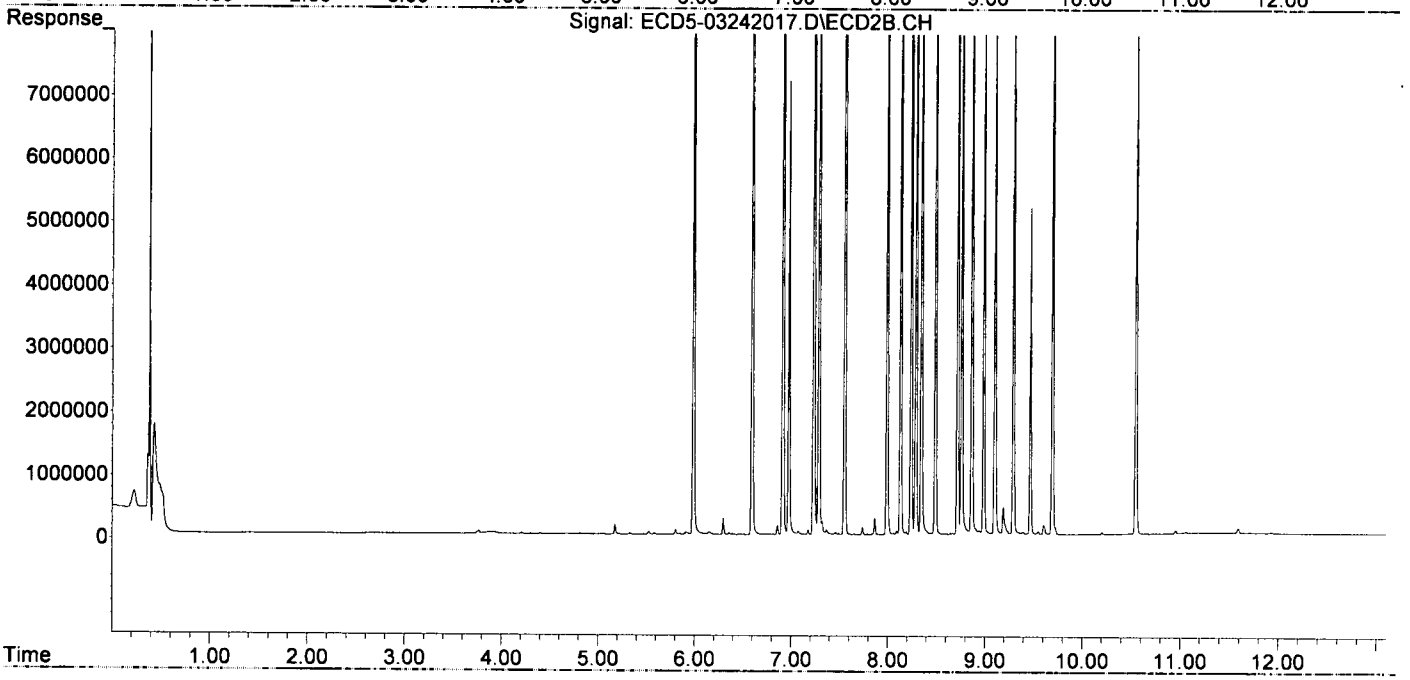
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:07
Operator : MJB
Sample : 0C24036-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:31
Operator : MJB
Sample : 0C24036-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: Mar 25 15:05:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

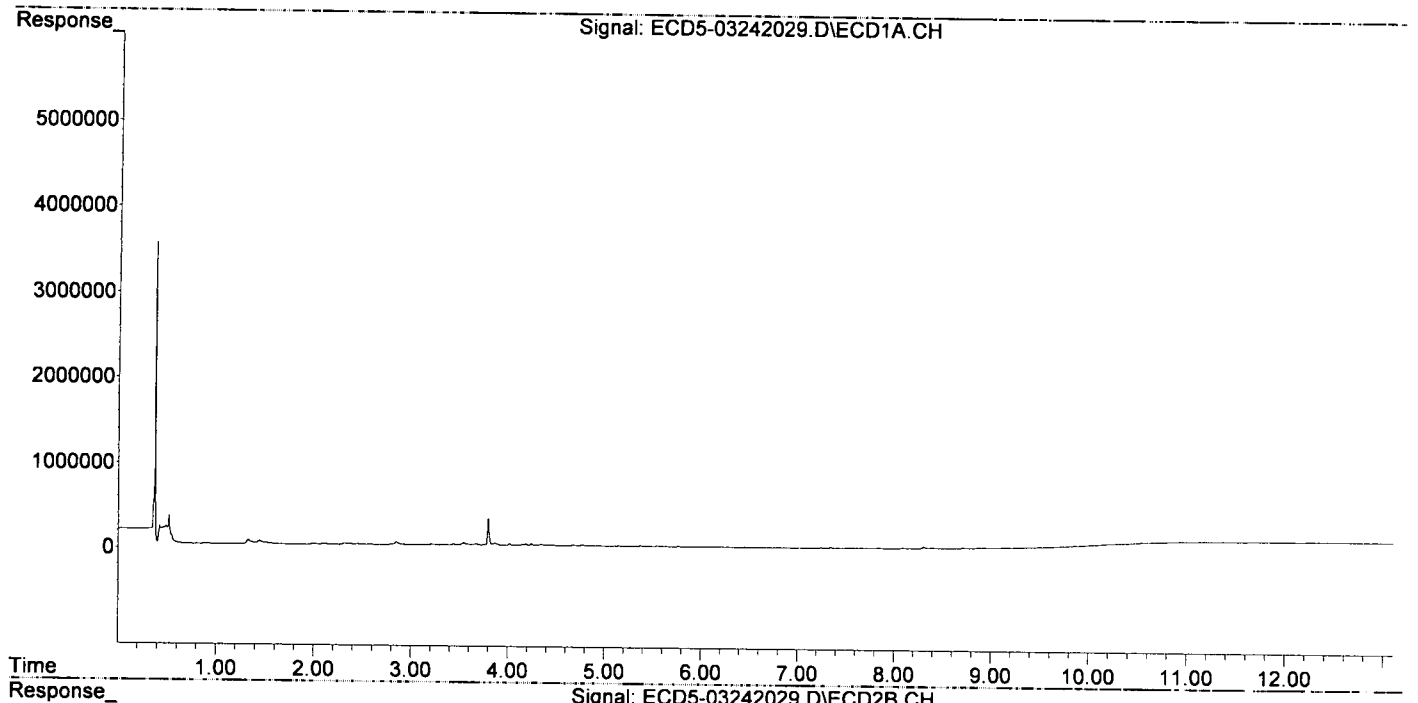
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.368f	5.950f	7992	7233	0.041	0.025	#
22)	S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	5.921	0.000	4687	0	0.018	N.D.	#
3)	g-BHC	6.210	0.000	8635	0	0.038	N.D.	#
4)	b-BHC	6.273	0.000	5741	0	0.060	N.D.	#
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	6.450	0.000	3673	0	0.019	N.D.	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.344	0.000	7874	0	0.038	N.D.	#
9)	trans-Chl...	0.000	8.147	0	7418	N.D.	0.024	#
10)	cis-Chlor...	7.511	0.000	4487	0	0.022	N.D.	#
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	7.978f	0.000	2753	0	0.016	N.D.	#
15)	4,4'-DDD	7.978f	0.000	2753	0	0.017	N.D.	#
16)	Endosulfa...	8.092	8.845f	5591	5752	0.033	0.024	#
17)	4,4'-DDT	0.000	9.005	0	7047	N.D.	0.098	#
18)	Endrin Al...	8.400	9.104	6381	40573	0.044	0.195	#
19)	Endosulfa...	8.708	9.292	8492	11401	0.052	0.050	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.895	9.688	3813	10160	0.020	0.041	#
23)	Hexachlor...	3.208	3.665	12306	8288 ~~11064.643~~		BelowCal	#
24)	Hexachlor...	5.762	6.471	10419	8724	BelowCal	BelowCal	
25)	Oxychlordane	7.244	7.879f	10651	15997	BelowCal	BelowCal	
26)	2,4'-DDE	7.344	8.147f	7874	7418	BelowCal	BelowCal	
27)	trans-Non...	7.511	8.191	4487	7090	BelowCal	BelowCal	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
30)	cis-Nonac...	7.978	0.000	2753	0	BelowCal	N.D.	
31)	Mirex	8.644	9.688	4358	10160	~~5765.324~~	BelowCal	#
32)	Chlordane...	0.000	8.147	0	7418	N.D.	0.188	#
33)	Chlordane...	7.511	0.000	4487	0	0.169	N.D.	#
34)	Chlordane...	8.092f	8.908	5591	35267	0.769	3.446	#
35)	Chlordane...	3.675f	3.690	18934	19162	NoCal	NoCal	
36)	Toxaphene...	7.511	0.000	4487	0	4.318	N.D.	#
37)	Toxaphene...	0.000	8.845f	0	5752	N.D.	1.609	#
38)	Toxaphene...	8.092	8.845	5591	5752	1.371	1.030	
39)	Toxaphene...	8.307f	8.908	22144	35267	5.637	BelowCal	#
40)	Toxaphene...	8.592f	9.104	1831	40573	0.597	8.210	#
41)	Toxaphene...	8.644	0.000	4358	0	1.088	N.D.	#
42)	Toxaphene...	3.675f	3.690	18934	19162	NoCal	NoCal	

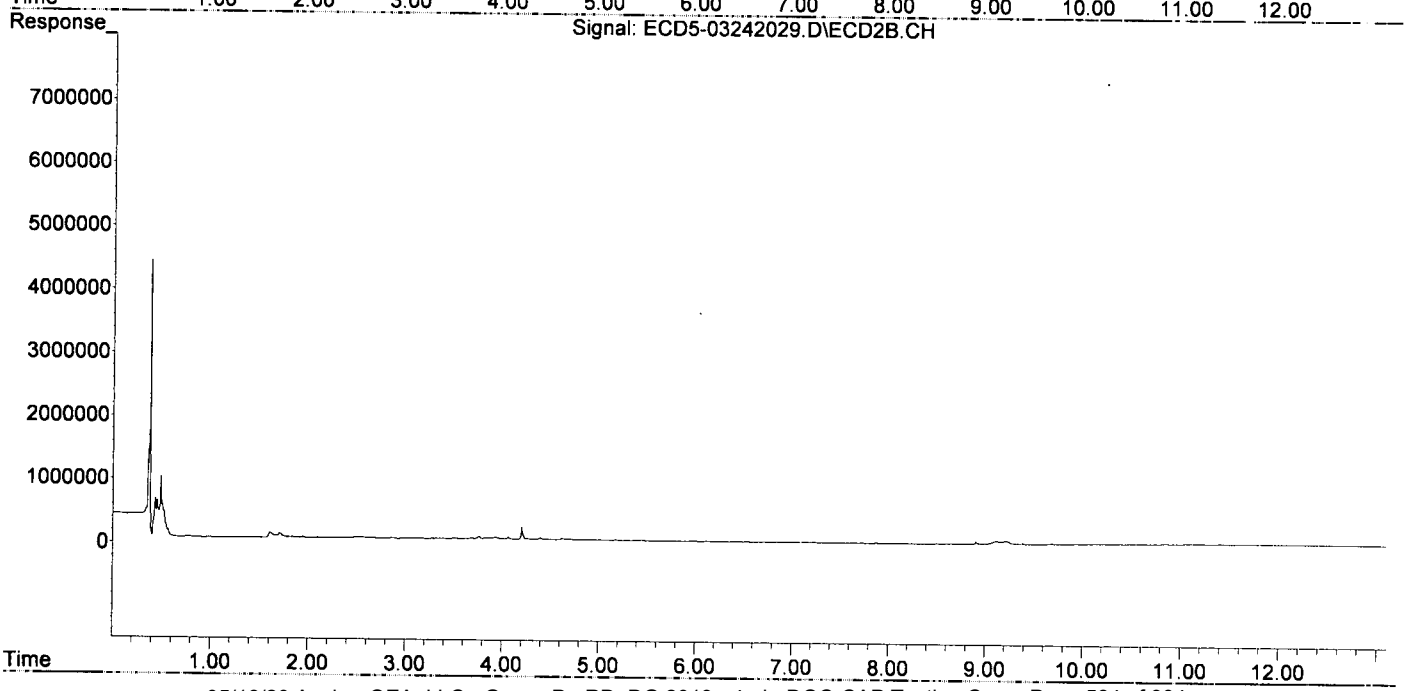
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:31
Operator : MJB
Sample : 0C24036-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: Mar 25 15:05:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:48
Operator : MJB
Sample : 0C24036-ICV2
Misc : A20C360, 9-42 50 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/12 5/20

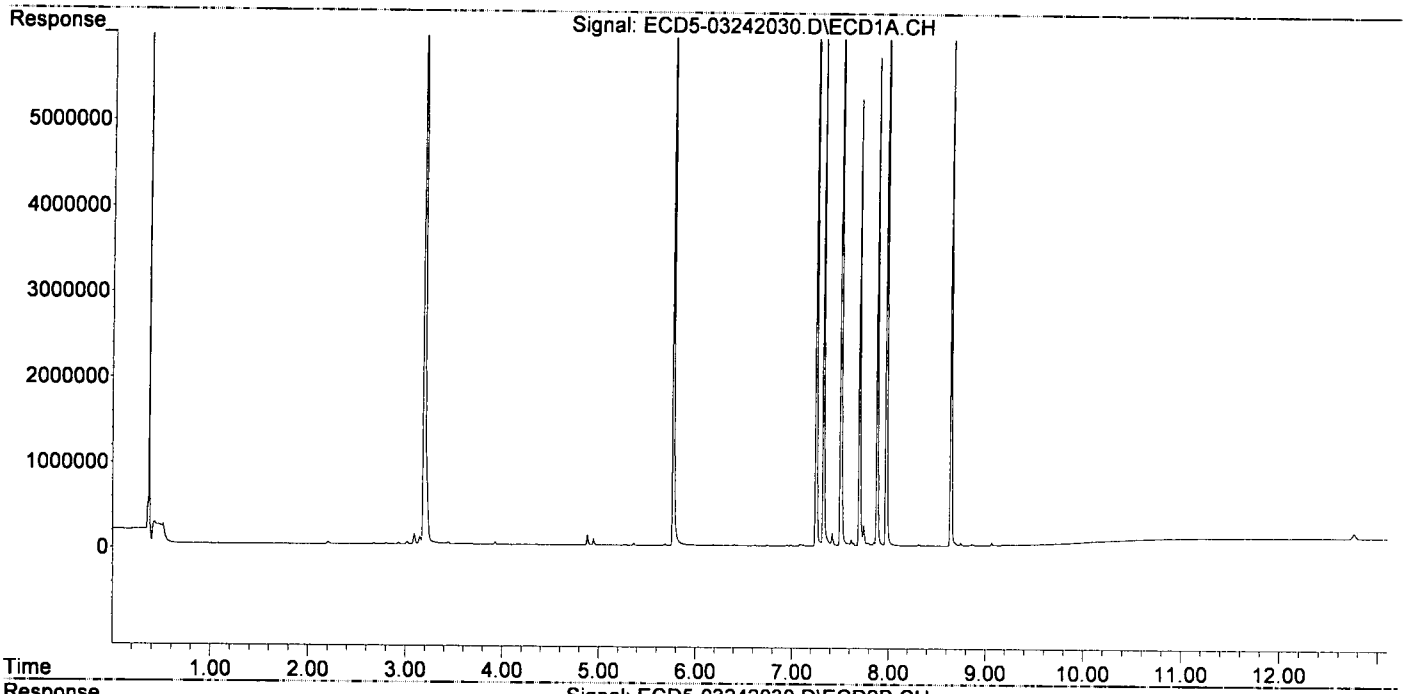
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.362f	5.991	24348	15971	0.126	0.056	#
22)	S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.186f	6.950f	11740	5249	0.051	0.015	#
4)	b-BHC	0.000	6.950f	0	5249	N.D.	0.035	#
5)	Heptachlor	6.621	7.285	8829	12552	0.040	0.037	
6)	d-BHC	6.403f	0.000	13721	0	0.070	N.D.	#
7)	Aldrin	0.000	7.566	0	8773	N.D.	0.027	#
8)	Heptachlo...	7.326	8.032f	6099012	84901	29.759	0.285	#
9)	trans-Chl...	7.419	8.123	155119	9473689	0.744	31.272	#
10)	cis-Chlor...	7.507	8.237	9376247	602548	45.786	2.077	#
11)	Endosulfa...	7.616	8.302	79511	36071	0.411	0.133	#
12)	4,4'-DDE	7.616f	8.381f	79511	51683	0.403	0.180	#
13)	Dieldrin	7.788	8.496	35789	8176018	0.168	27.481	#
14)	Endrin	7.977f	8.721	10238173	8814864	59.897	38.496	#
15)	4,4'-DDD	7.977f	8.760	10238173	15998663	62.645	66.491	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.409	9.119	8181	81628	0.056	0.392	#
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.864f	9.685	18137	8628656	0.095	34.609	#
23)	Hexachlor...	3.192	3.674	8858161	17490999	47.183	47.641	
24)	Hexachlor...	5.771	6.452	9125799	14654499	49.946	50.772	
25)	Oxychlordane	7.251	7.919	8359974	12990188	49.208	50.765	
26)	2,4'-DDE	7.326	8.123	6099012	9473689	49.663	49.614	
27)	trans-Non...	7.507	8.194	9376247	14648218	49.415	51.154	
28)	2,4'-DDD	7.699	8.496	5229069	8176018	48.518	48.449	
29)	2,4'-DDT	7.882	8.721	5708483	8814864	54.292	56.473	
30)	cis-Nonac...	7.977	8.760	10238173	15998663	49.880	52.499	
31)	Mirex	8.645	9.685	6086859	8628656	46.474	48.983	
32)	Chlordane...	7.419	8.123	155119	9473689	6.645	240.424	#
33)	Chlordane...	7.507	8.237	9376247	602548	353.123	18.399	#
34)	Chlordane...	0.000	8.908	0	29384	N.D.	2.871	#
35)	Chlordane...	3.680f	3.674	12784	17490999	NoCal	NoCal	
36)	Toxaphene...	7.507	8.496f	9376247	8176018	9022.640	2907.145	#
37)	Toxaphene...	7.788	0.000	35789	0	16.612	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.311f	8.908	17581	29384	4.476	BelowCal	#
40)	Toxaphene...	0.000	9.119f	0	81628	N.D.	16.518	#
41)	Toxaphene...	8.645	0.000	6086859	0	1519.550	N.D.	#
42)	Toxaphene...	3.680	3.674	12784	17490999	NoCal	NoCal	

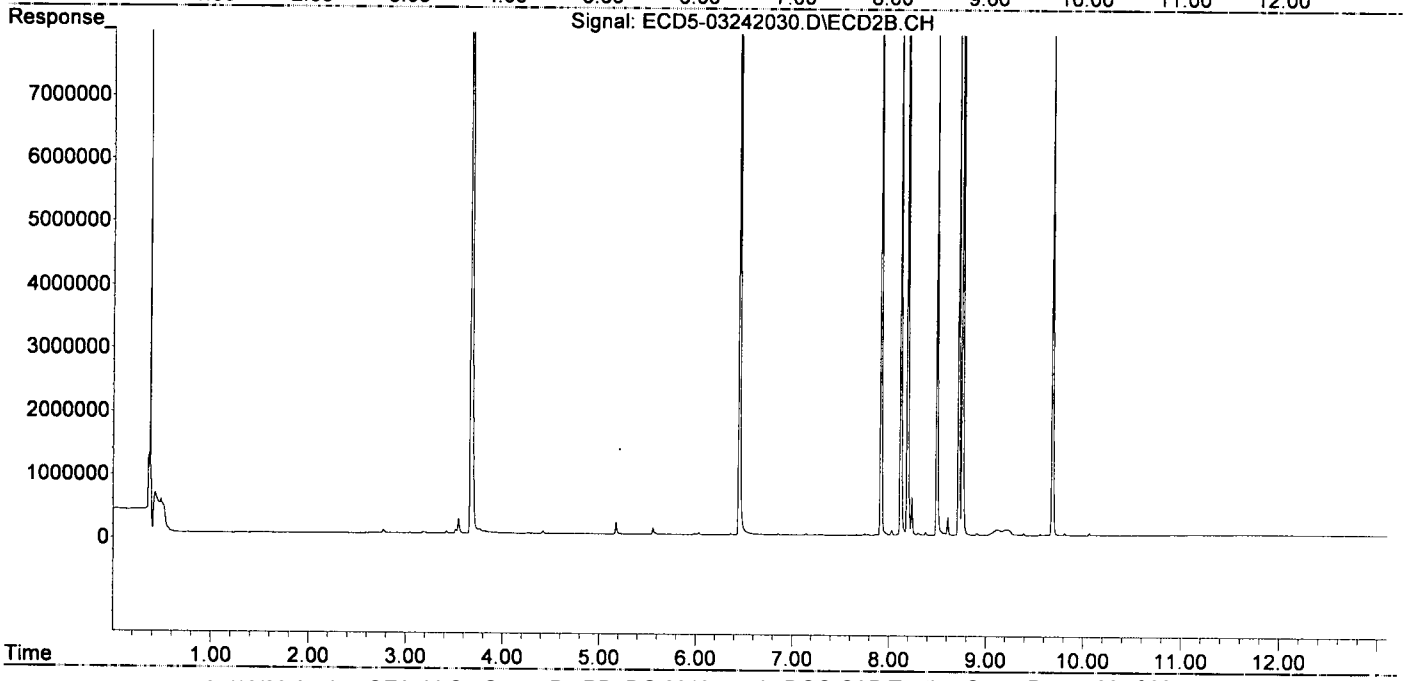
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:48
Operator : MJB
Sample : 0C24036-ICV2
Misc : A20C360, 9-42 50 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:05
Operator : MJB
Sample : 0C24036-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: Mar 25 15:05:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

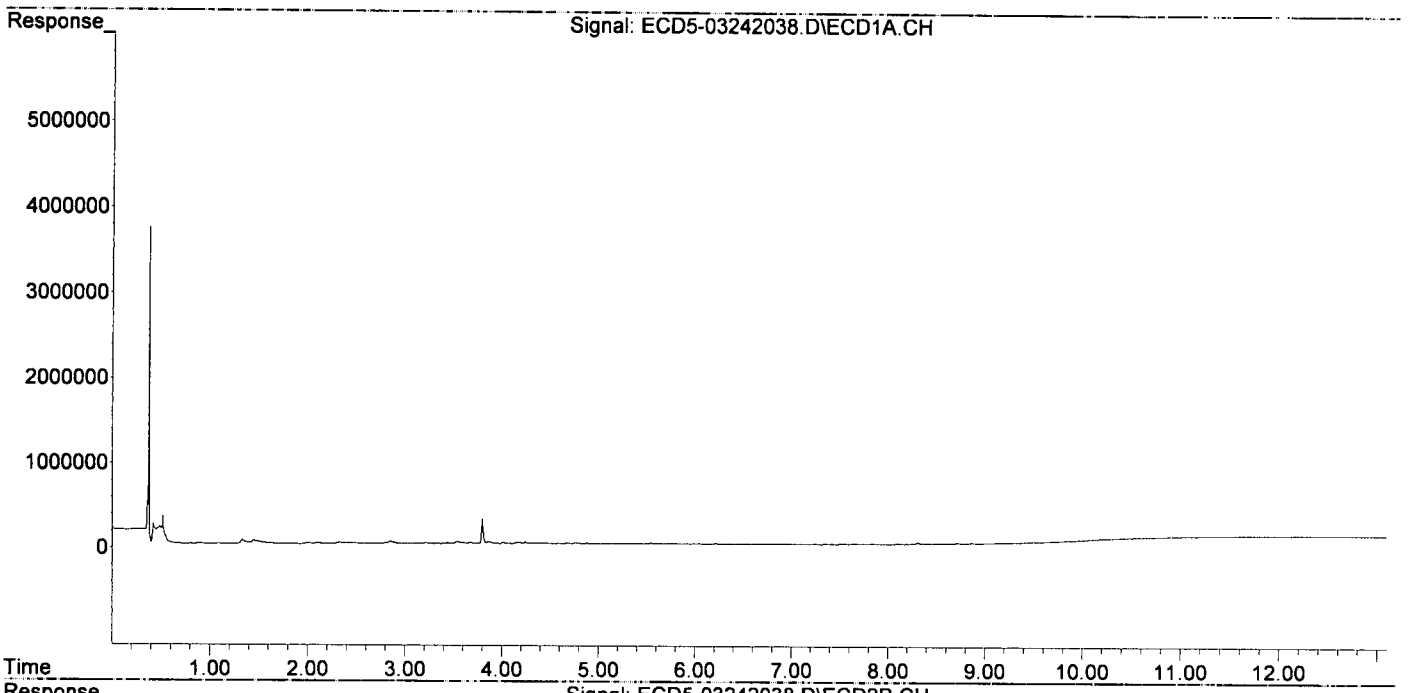
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.369f	5.950f	8040	5831	0.042	0.020	#
22)	S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
		Target Compounds							
2)		a-BHC	5.922	0.000	3815	0	0.014	N.D.	#
3)		g-BHC	6.211	0.000	8692	0	0.038	N.D.	#
4)		b-BHC	6.274	0.000	5533	0	0.058	N.D.	#
5)		Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)		d-BHC	6.450	0.000	3503	0	0.018	N.D.	#
7)		Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)		Heptachlo...	7.345f	0.000	7893	0	0.039	N.D.	#
9)		trans-Chl...	7.418	8.131	3833	8434	0.018	0.028	#
10)		cis-Chlor...	7.514	0.000	5605	0	0.027	N.D.	#
11)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)		4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)		Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)		Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)		4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)		Endosulfa...	8.093	8.844f	4740	6243	0.028	0.026	
17)		4,4'-DDT	0.000	9.001	0	5679	N.D.	0.089	#
18)		Endrin Al...	8.399	9.102	6373	7751	0.044	0.037	
19)		Endosulfa...	8.710	9.292	7899	6861	0.048	0.030	#
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	8.895	9.691	3869	6350	0.020	0.025	#
23)		Hexachlor...	3.209	3.691	10809	20368	~~11064.651~~	BelowCal	#
24)		Hexachlor...	5.763	6.471	7614	7807	BelowCal	BelowCal	
25)		Oxychlordane	7.244	0.000	9014	0	BelowCal	N.D.	
26)		2,4'-DDE	7.345	8.131	7893	8434	BelowCal	BelowCal	
27)		trans-Non...	7.514	8.190	5605	8271	BelowCal	BelowCal	
28)		2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)		2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
30)		cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)		Mirex	0.000	9.691	0	6350	N.D.	BelowCal	
32)		Chlordane...	7.418	8.131	3833	8434	0.164	0.214	#
33)		Chlordane...	7.514	0.000	5605	0	0.211	N.D.	#
34)		Chlordane...	8.093f	8.907	4740	31419	0.652	3.070	#
35)		Chlordane...	3.677f	3.691	16920	20368	NoCal	NoCal	
36)		Toxaphene...	7.514	0.000	5605	0	5.393	N.D.	#
37)		Toxaphene...	0.000	8.844f	0	6243	N.D.	1.747	#
38)		Toxaphene...	8.093	8.844	4740	6243	1.163	1.118	
39)		Toxaphene...	8.309f	8.907	19175	31419	4.881	BelowCal	#
40)		Toxaphene...	8.591f	9.102	1388	7751	0.452	1.568	#
41)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)		Toxaphene...	3.677f	3.691	16920	20368	NoCal	NoCal	

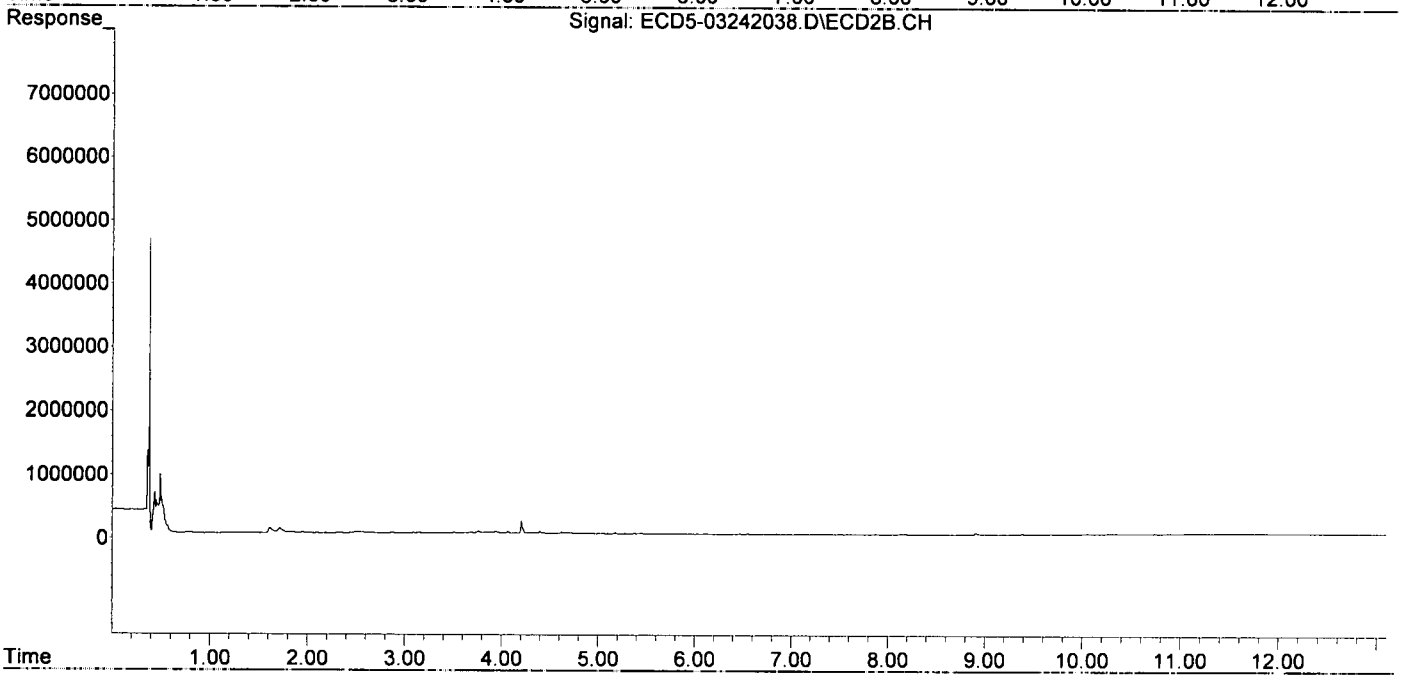
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:05
Operator : MJB
Sample : 0C24036-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: Mar 25 15:05:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:22
Operator : MJB
Sample : 0C24036-ICV3
Misc : A20C401, CHLOR 500 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 3/24/20

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)	5.390	5.989	6485	15256	0.034	0.053	#
22)	S	DCBP (S)	9.596	10.517f	25863	9156	BelowCal	0.054	
		Target Compounds							
2)		a-BHC	5.892f	6.619f	12369	379369	0.047	0.936	#
3)		g-BHC	6.227	6.919	18656	211915	0.082	0.599	#
4)		b-BHC	6.262f	7.012f	155802	685912	1.629	4.572	#
5)		Heptachlor	6.621	7.285	5803769	9310018	26.051	27.779	
6)		d-BHC	6.403f	7.218	429094	68838	2.199	0.211	#
7)		Aldrin	6.867	7.558	82746	127611	0.373	0.392	
8)		Heptachlo...	7.331	8.009	917616	519616	4.477	1.746	#
9)		trans-Chl...	7.418	8.130	12416563	20906436	59.563	69.010	
10)		cis-Chlor...	7.512	8.238	13877124	17623162	67.764	60.733	
11)		Endosulfa...	7.631	8.310	337133	344832	1.744	1.269	#
12)		4,4'-DDE	7.571	8.334	376999	479530	1.913	1.675	
13)		Dieldrin	7.799	8.490	426587	1733714	2.008	5.827	#
14)		Endrin	7.976f	8.733	2180086	248217	12.754	1.084	#
15)		4,4'-DDD	7.976f	8.761	2180086	3205669	13.340	13.323	
16)		Endosulfa...	8.111	8.875	266123	381784	1.588	1.591	
17)		4,4'-DDT	8.235f	8.998	725911	146036	5.882	0.960	#
18)		Endrin Al...	8.421f	9.133f	83872	956144	0.573	4.597	#
19)		Endosulfa...	8.703	9.321f	160001	102348	0.973	0.449	#
20)		Methoxychlor	8.520	9.467	79645	27734	1.066	0.249	#
21)		Endrin Ke...	8.886	9.693	24529	186615	0.128	0.748	#
23)		Hexachlor...	3.211f	0.000	8157	0	11064.665	N.D.	#
24)		Hexachlor...	5.760	6.470	8912	12865	BelowCal	BelowCal	
25)		Oxychlordane	7.244	7.932	140038	295756	0.573	0.949	#
26)		2,4'-DDE	7.331	8.130	917616	20906436	7.397	104.092	#
27)		trans-Non...	7.512	8.194	13877124	15574860	73.020	54.242	#
28)		2,4'-DDD	7.668f	8.490	1011950	1733714	9.255	10.409	
29)		2,4'-DDT	7.908f	8.733	338295	248217	3.199	1.597	#
30)		cis-Nonac...	7.976	8.761	2180086	3205669	10.542	10.805	
31)		Mirex	8.634	9.693	30264	186615	5765.126	0.658	#
32)		Chlordane...	7.418	8.130	12416563	20906436	531.938	530.564	
33)		Chlordane...	7.512	8.238	13877124	17623162	522.633	538.133	
34)		Chlordane...	8.062	8.901	3936748	5456084	541.531	533.173	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.512	8.490f	13877124	1733714	13353.775	616.457	#
37)		Toxaphene...	7.799	8.817	426587	514771	227.503	144.027	#
38)		Toxaphene...	8.111	8.853	266123	465986	65.281	83.457	#
39)		Toxaphene...	8.339	8.901	170761	5456084	43.471	637.807	#
40)		Toxaphene...	8.546f	9.073f	84025	116863	27.392	23.649	
41)		Toxaphene...	8.634	9.467	30264	27734	7.555	5.132	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

A 522.03

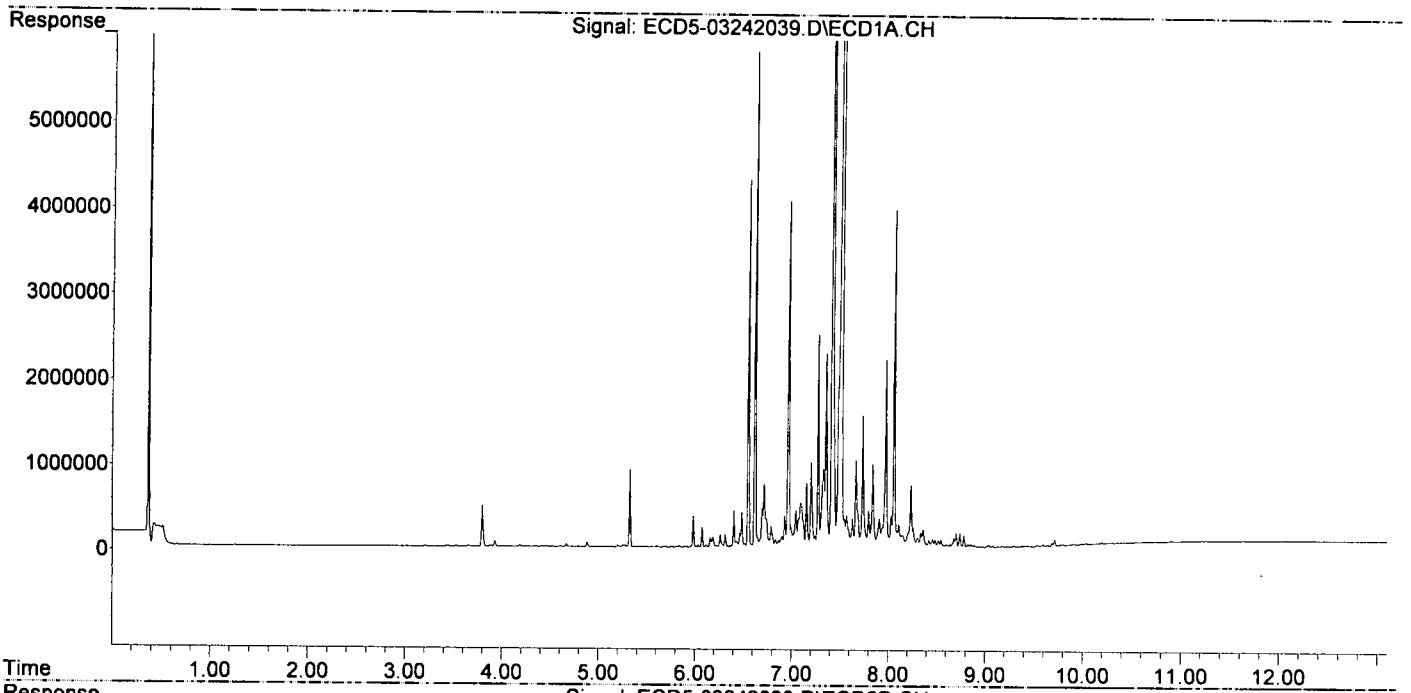
B 533.96

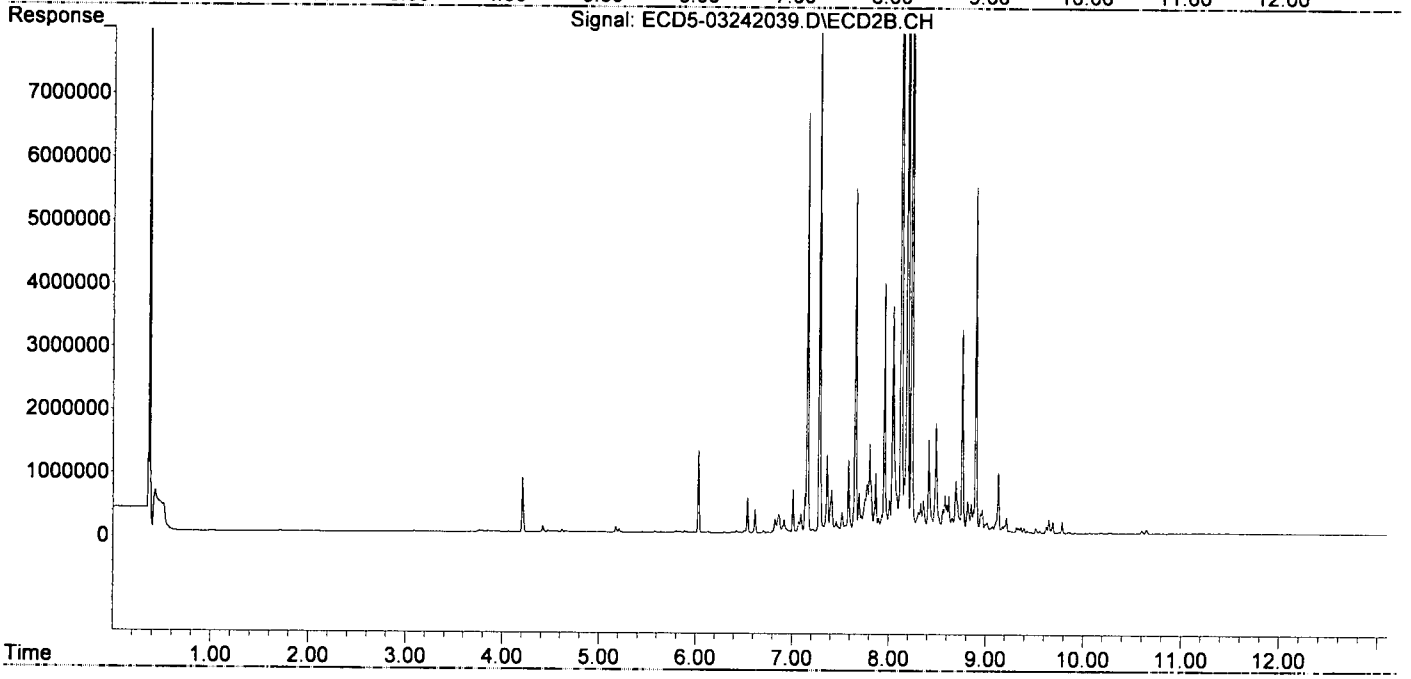
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:22
Operator : MJB
Sample : 0C24036-ICV3
Misc : A20C401, CHLOR 500 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:05:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:39
Operator : MJB
Sample : 0C24036-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: Mar 25 15:06:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

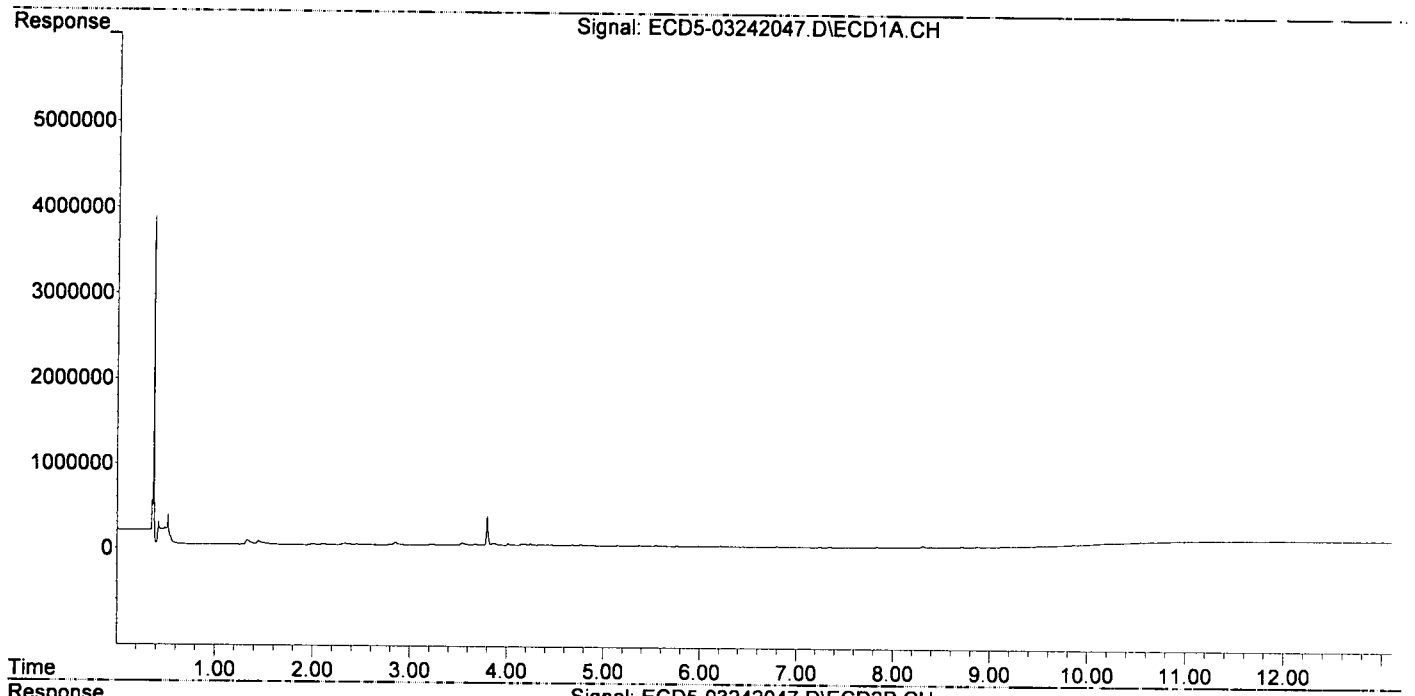
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.369f	5.951f	11086	6893	0.057	0.024	#
22)	S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	5.922	0.000	6203	0	0.024	N.D.	#
3)	g-BHC	6.211	0.000	9428	0	0.041	N.D.	#
4)	b-BHC	6.275	0.000	6909	0	0.072	N.D.	#
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	6.450	7.238	3678	5553	0.019	0.017	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.346f	0.000	7695	0	0.038	N.D.	#
9)	trans-Chl...	0.000	8.150	0	3869	N.D.	0.013	#
10)	cis-Chlor...	7.518	0.000	2620	0	0.013	N.D.	#
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	8.093	8.845f	6299	8766	0.038	0.037	
17)	4,4'-DDT	0.000	9.003	0	5608	N.D.	0.089	#
18)	Endrin Al...	8.399	9.101	6539	8085	0.045	0.039	
19)	Endosulfa...	8.709	9.292	8639	8018	0.053	0.035	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.895	9.691	4036	6967	0.021	0.028	#
23)	Hexachlor...	3.210	3.668	13544	10923	~~11064.636~~	BelowCal	#
24)	Hexachlor...	5.763	6.471	11616	8856	BelowCal	BelowCal	
25)	Oxychlordane	7.244	0.000	10481	0	BelowCal	N.D.	
26)	2,4'-DDE	7.346	8.150f	7695	3869	BelowCal	BelowCal	
27)	trans-Non...	7.518	0.000	2620	0	BelowCal	N.D.	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	0.000	9.691	0	6967	N.D.	BelowCal	
32)	Chlordane...	0.000	8.150	0	3869	N.D.	0.098	#
33)	Chlordane...	7.518	0.000	2620	0	0.099	N.D.	#
34)	Chlordane...	8.093f	8.908	6299	30403	0.867	2.971	#
35)	Chlordane...	3.678f	3.691	18647	22757	NoCal	NoCal	
36)	Toxaphene...	7.518f	0.000	2620	0	2.521	N.D.	#
37)	Toxaphene...	0.000	8.845f	0	8766	N.D.	2.453	#
38)	Toxaphene...	8.093	8.845	6299	8766	1.545	1.570	
39)	Toxaphene...	8.310f	8.908	18182	30403	4.629	BelowCal	#
40)	Toxaphene...	8.591f	9.101	1831	8085	0.597	1.636	#
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)	Toxaphene...	3.678f	3.691	18647	22757	NoCal	NoCal	

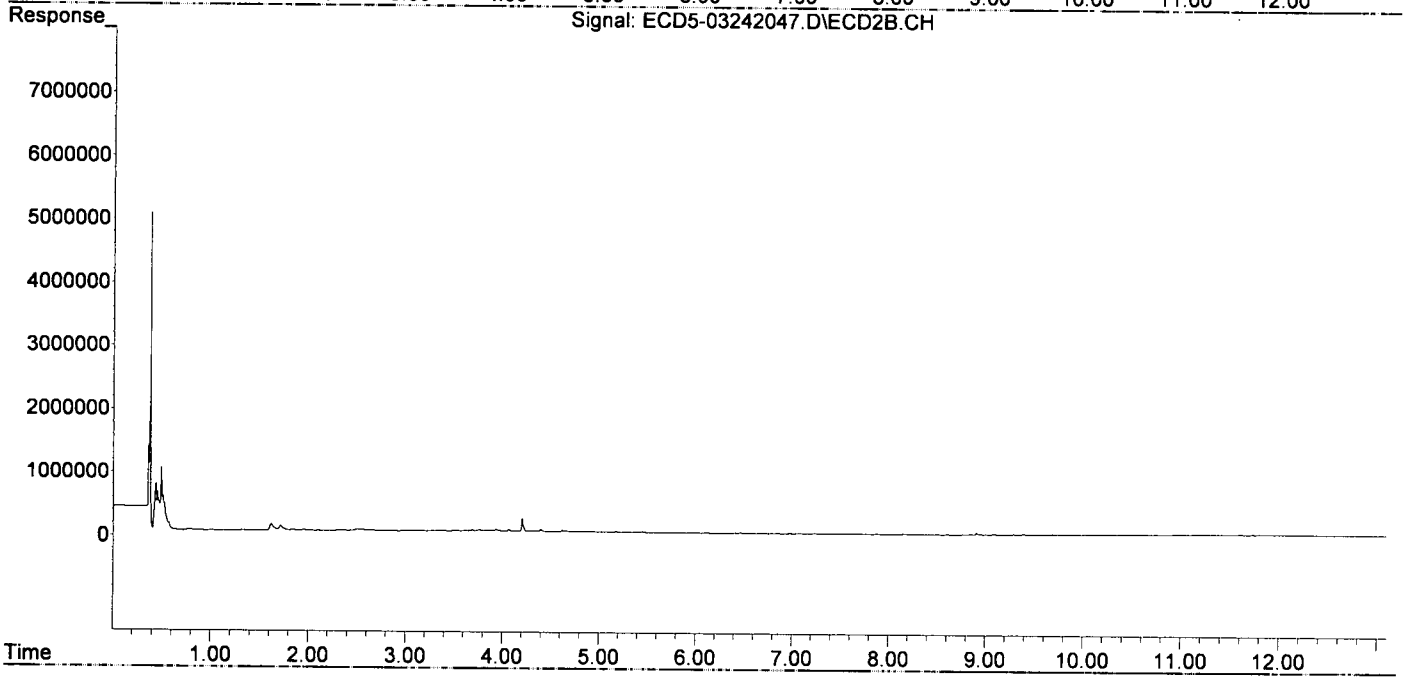
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:39
Operator : MJB
Sample : 0C24036-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: Mar 25 15:06:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:56
Operator : MJB
Sample : 0C24036-ICV4
Misc : A19J42, TOX 500 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:06:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.989	0	18459	N.D.	0.065	#
22)	S	DCBP (S)	9.582	10.528f	44693	60896	0.123	0.359	#
		Target Compounds							
2)		a-BHC	5.923	6.593	8430	15000	0.032	0.037	
3)		g-BHC	6.224	6.896	10001	22534	0.044	0.064	#
4)		b-BHC	6.276	6.961	16888	39259	0.177	0.262	#
5)		Heptachlor	6.621	7.287	28211	58616	0.127	0.175	#
6)		d-BHC	6.459f	7.229	18627	56046	0.095	0.172	#
7)		Aldrin	6.861	7.578f	66093	143560	0.298	0.441	#
8)		Heptachlo...	7.349f	7.983	300247	474936	1.465	1.596	
9)		trans-Chl...	7.436	8.111f	388671	538028	1.864	1.776	
10)		cis-Chlor...	7.493f	8.262f	524562	594486	2.562	2.049	
11)		Endosulfa...	7.621	8.294	641222	687231	3.317	2.529	
12)		4,4'-DDE	7.543f	8.358	431521	852921	2.189	2.979	#
13)		Dieldrin	7.787	8.506	945246	832809	4.449	2.799	#
14)		Endrin	7.976f	8.712	1319056	1613145	7.717	7.045	
15)		4,4'-DDD	8.014	8.763	892177	1085359	5.459	4.511	
16)		Endosulfa...	8.099	8.850	2066420	2822064	12.333	11.763	
17)		4,4'-DDT	8.178	8.979	1792918	1158793	14.341	7.105	#
18)		Endrin Al...	8.386	9.094	1422685	2603006	9.720	12.514	#
19)		Endosulfa...	8.703	9.294	779028	1128579	4.738	4.957	
20)		Methoxychlor	8.537	9.475	712155	2813219	10.800	31.474	#
21)		Endrin Ke...	8.887	9.717f	529891	575242	2.775	2.307	
23)		Hexachlor...	3.211	3.673	8583	9371	11064.663	BelowCal	#
24)		Hexachlor...	5.773	6.451	4474	15735	BelowCal	BelowCal	
25)		Oxychlordane	7.254	7.934	424546	432611	2.259	1.512	#
26)		2,4'-DDE	7.349f	8.111	300247	538028	2.281	2.754	
27)		trans-Non...	7.493	8.204	524562	551320	2.538	1.790	#
28)		2,4'-DDD	7.705	8.506	719352	832809	6.502	4.881	
29)		2,4'-DDT	7.891	8.712	1140646	1613145	11.174	11.170	
30)		cis-Nonac...	7.976	8.763	1319056	1085359	6.294	3.545	#
31)		Mirex	8.634	9.717f	2046875	575242	15.276	2.956	#
32)		Chlordane...	7.436	8.111	388671	538028	16.651	13.654	
33)		Chlordane...	7.493	8.218f	524562	528497	19.756	16.138	
34)		Chlordane...	8.039f	8.918	912283	4678572	125.492	457.194	#
35)		Chlordane...	3.672f	3.673	5533	9371	NoCal	NoCal	
36)		Toxaphene...	7.493	8.467	524562	1472274	504.779	523.496	
37)		Toxaphene...	7.787	8.814	945246	1867581	516.138	522.528	
38)		Toxaphene...	8.099	8.850	2066420	2822064	506.904	505.427	
39)		Toxaphene...	8.339	8.918	1999842	4678572	509.108	549.563	
40)		Toxaphene...	8.567	9.094	1586287	2603006	517.130	526.746	
41)		Toxaphene...	8.634	9.475	2046875	2813219	510.991	520.529	
42)		Toxaphene...	3.672f	3.673	5533	9371	NoCal	NoCal	

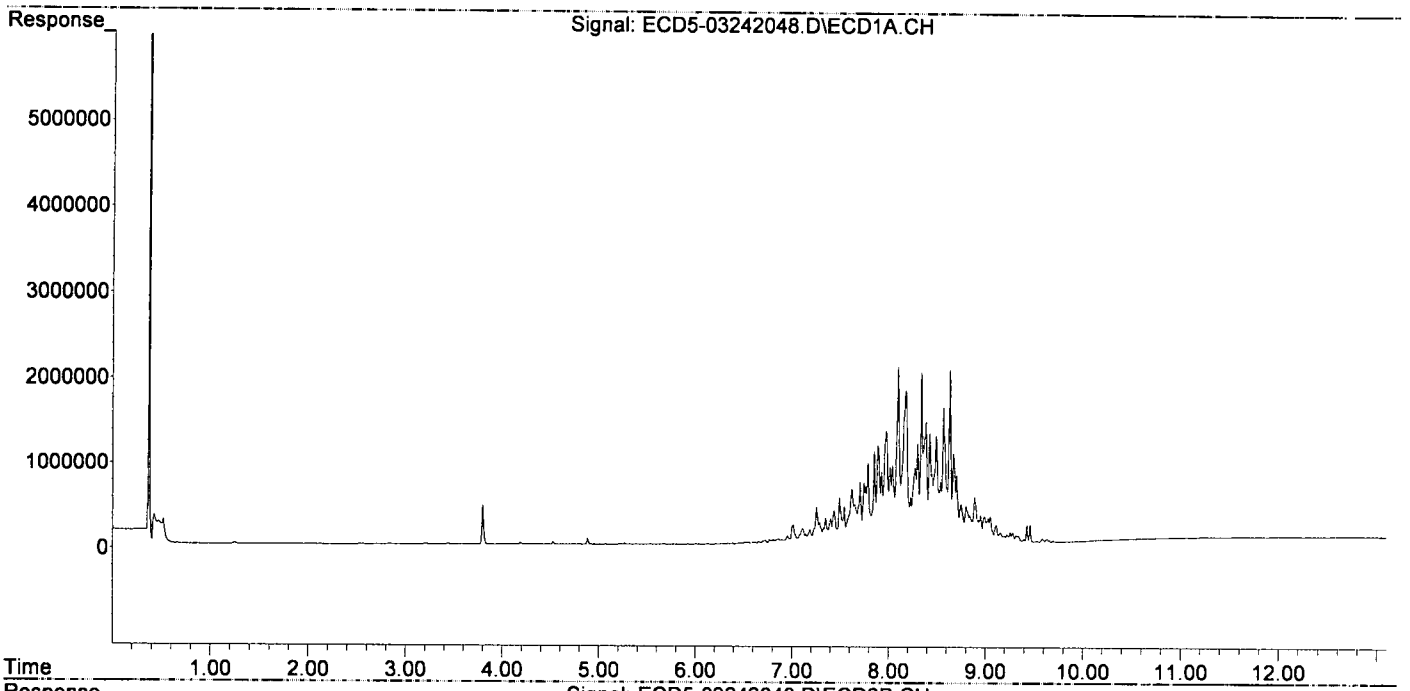
A B
510.84 524.71

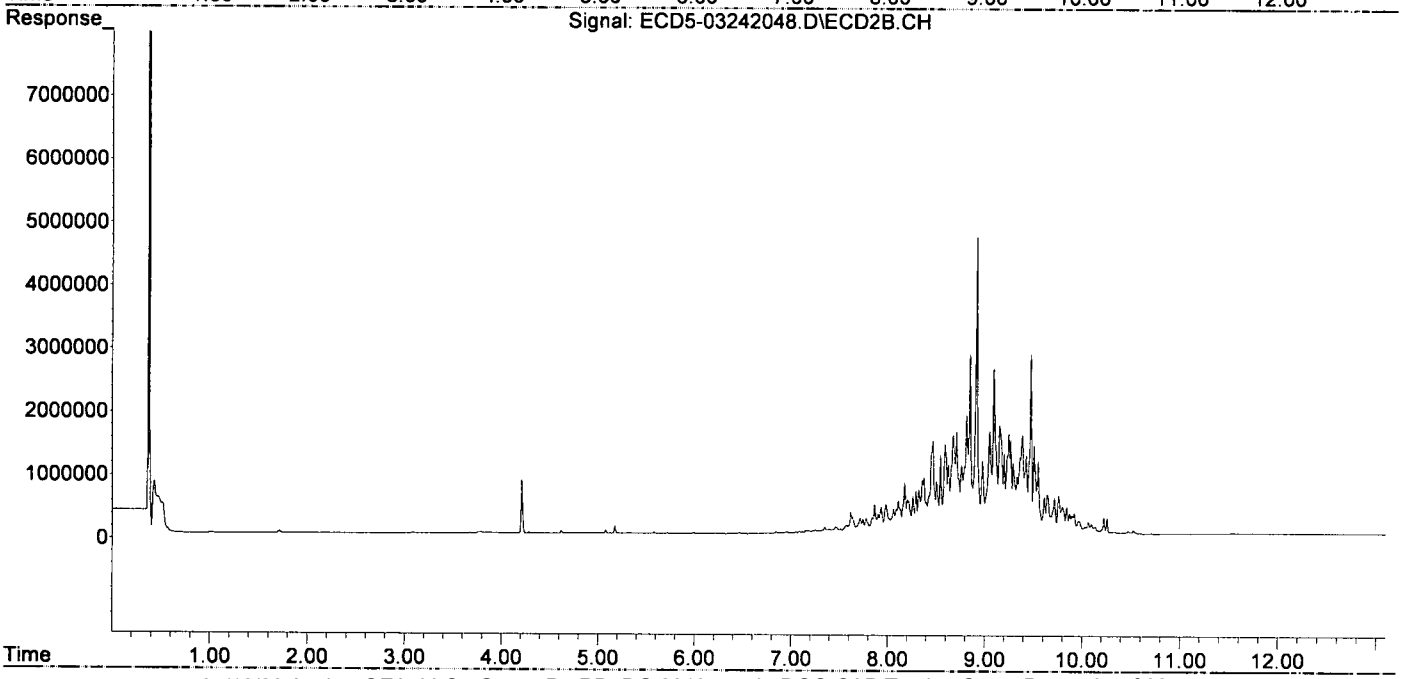
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:56
Operator : MJB
Sample : 0C24036-ICV4
Misc : A19J42, TOX 500 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 15:06:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

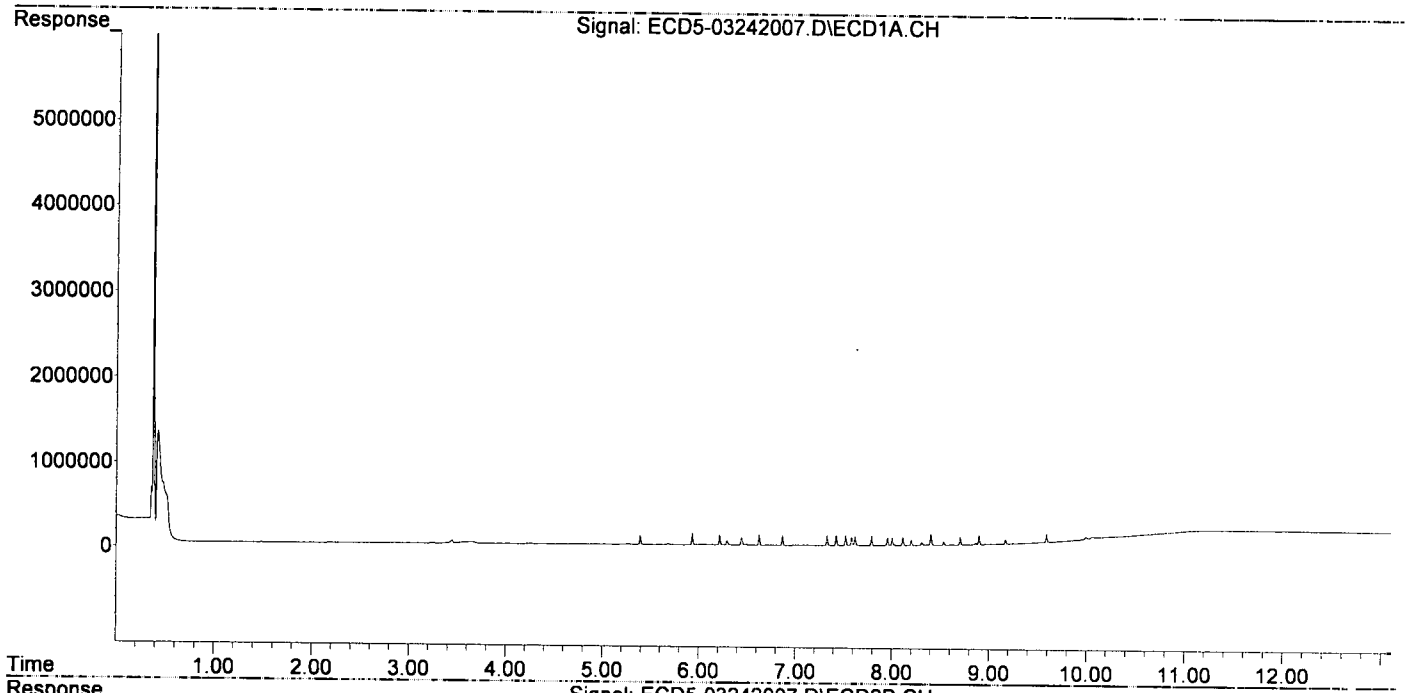
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.392	5.987	110536	164456	0.572	0.575	
22)	S	DCBP (S)	9.590	10.554	98116	90290	0.482	0.532	
		Target Compounds							
2)		a-BHC	5.931	6.595	137171	190412	0.521	0.470	
3)		g-BHC	6.214	6.914	120065	177278	0.525	0.501	
4)		b-BHC	6.291	6.978	56206	85651	0.587	0.571	
5)		Heptachlor	6.624	7.289	125615	176454	0.564	0.526	
6)		d-BHC	6.442	7.234	93927	154610	0.481	0.473	
7)		Aldrin	6.865	7.555	116958	161744	0.527	0.496	
8)		Heptachlo...	7.327	7.994	116602	157622	0.569	0.530	
9)		trans-Chl...	7.422	8.134	117895	159223	0.566	0.526	
10)		cis-Chlor...	7.519	8.242	120376	155733	0.588	0.537	
11)		Endosulfa...	7.618	8.292	109155	139375	0.565	0.513	
12)		4,4'-DDE	7.581	8.348	104194	137534	0.529	0.480	
13)		Dieldrin	7.789	8.493	115621	146999	0.544	0.494	
14)		Endrin	7.954	8.721	94731	117807	0.554	0.514	
15)		4,4'-DDD	8.003	8.765	89339	121353	0.547	0.504	
16)		Endosulfa...	8.112	8.868	94859	127427	0.566	0.531	
17)		4,4'-DDT	8.199	8.990	64160	75283	0.509	0.522	
18)		Endrin Al...	8.402	9.105	134379	174071	0.918	0.837	→ Not used in Cal.
19)		Endosulfa...	8.704	9.296	96545	122422	0.587	0.538	
20)		Methoxychlor	8.534	9.470	42088	48420	0.482	0.498	
21)		Endrin Ke...	8.898	9.696	113093	132508	0.592	0.531	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	6.476	0	5689	N.D.	0.016	#
25)		Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)		2,4'-DDE	7.327	8.134	116602	159223	0.764	0.676	
27)		trans-Non...	7.519	8.242f	120376	155733	0.537	0.458	
28)		2,4'-DDD	0.000	8.493	0	146999	N.D.	0.704	#
29)		2,4'-DDT	0.000	8.721	0	117807	N.D.	0.741	#
30)		cis-Nonac...	8.003	8.765	89339	121353	0.357	0.323	
31)		Mirex	8.656	9.696	1215	132508	BelowCal	0.538	
32)		Chlordane...	7.422	8.134	117895	159223	4.751	3.752	
33)		Chlordane...	7.519	8.242	120376	155733	4.371	4.435	
34)		Chlordane...	8.112f	8.906	94859	45966	12.658	4.269	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.519	8.493	120376	146999	113.517	51.988	#
37)		Toxaphene...	7.789	0.000	115621	0	58.703	N.D.	#
38)		Toxaphene...	8.112	8.868	94859	127427	23.603	22.193	
39)		Toxaphene...	0.000	8.906f	0	45966	N.D.	4.970	#
40)		Toxaphene...	0.000	9.105	0	174071	N.D.	34.319	#
41)		Toxaphene...	8.656	9.470	1215	48420	0.308	9.065	#
42)		Toxaphene...	3.663f	0.000	20018	0	NoCal	N.D.	

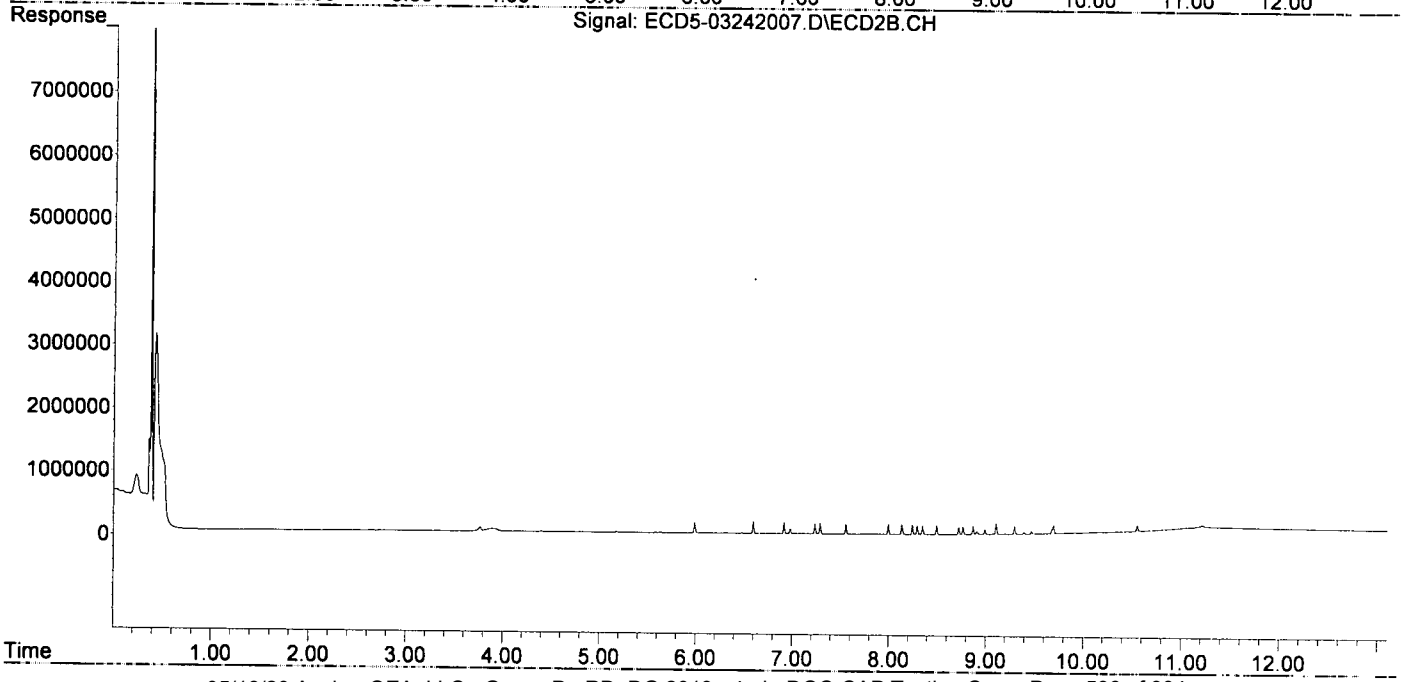
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:33
Operator : MJB
Sample : 0C24036-CAL2
Misc : A20C178, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:25 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 3/26/20

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)	5.392	5.988	207645	286301	1.075	1.002	
22)	S	DCBP (S)	9.591	10.555	181183	178563	1.042	1.051	
		Target Compounds							
2)		a-BHC	5.932	6.596	265596	377299	1.009	0.931	
3)		g-BHC	6.215	6.914	235537	342671	1.030	0.969	
4)		b-BHC	6.291	6.979	105215	160782	1.100	1.072	
5)		Heptachlor	6.624	7.290	230067	329837	1.033	0.984	
6)		d-BHC	6.442	7.235	184376	305632	0.945	0.936	
7)		Aldrin	6.866	7.556	228121	307770	1.027	0.944	
8)		Heptachlo...	7.328	7.995	224847	298486	1.097	1.003	
9)		trans-Chl...	7.423	8.135	218460	299115	1.048	0.987	
10)		cis-Chlor...	7.520	8.243	222249	292209	1.085	1.007	
11)		Endosulfa...	7.618	8.293	202673	271030	1.048	0.997	
12)		4,4'-DDE	7.582	8.349	200955	269052	1.020	0.940	
13)		Dieldrin	7.790	8.494	219208	291990	1.032	0.981	
14)		Endrin	7.955	8.722	176915	222568	1.035	0.972	
15)		4,4'-DDD	8.003	8.765	171895	235370	1.052	0.978	
16)		Endosulfa...	8.112	8.869	179623	236237	1.072	0.985	
17)		4,4'-DDT	8.200	8.992	121352	143366	0.977	0.943	
18)		Endrin Al...	8.402	9.106	255838	337369	1.748	1.622	
19)		Endosulfa...	8.703	9.297	181494	232214	1.104	1.020	
20)		Methoxychlor	8.535	9.471	79126	89258	1.058	0.988	
21)		Endrin Ke...	8.898	9.698	212548	246568	1.113	0.989	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	6.476	0	5591	N.D.	0.015	#
25)		Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)		2,4'-DDE	7.328	8.135	224847	299115	1.474	1.271	
27)		trans-Non...	7.520	8.243f	222249	292209	0.992	0.859	
28)		2,4'-DDD	0.000	8.494	0	291990	N.D.	1.398	#
29)		2,4'-DDT	0.000	8.722	0	222568	N.D.	1.369	#
30)		cis-Nonac...	8.003	8.765	171895	235370	0.687	0.627	
31)		Mirex	8.655	9.698	1630	246568	BelowCal	1.135	
32)		Chlordane...	7.423	8.135	218460	299115	8.804	7.048	
33)		Chlordane...	7.520	8.243	222249	292209	8.071	8.321	
34)		Chlordane...	8.112f	8.908	179623	44252	23.969	4.110	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.520	8.494	222249	291990	209.586	103.265	#
37)		Toxaphene...	7.790	0.000	219208	0	111.296	N.D.	#
38)		Toxaphene...	8.112	8.869	179623	236237	44.693	41.145	
39)		Toxaphene...	0.000	8.908	0	44252	N.D.	4.785	#
40)		Toxaphene...	0.000	9.106	0	337369	N.D.	66.514	#
41)		Toxaphene...	8.655	9.471	1630	89258	0.413	16.711	#
42)		Toxaphene...	3.663f	0.000	21890	0	NoCal	N.D.	

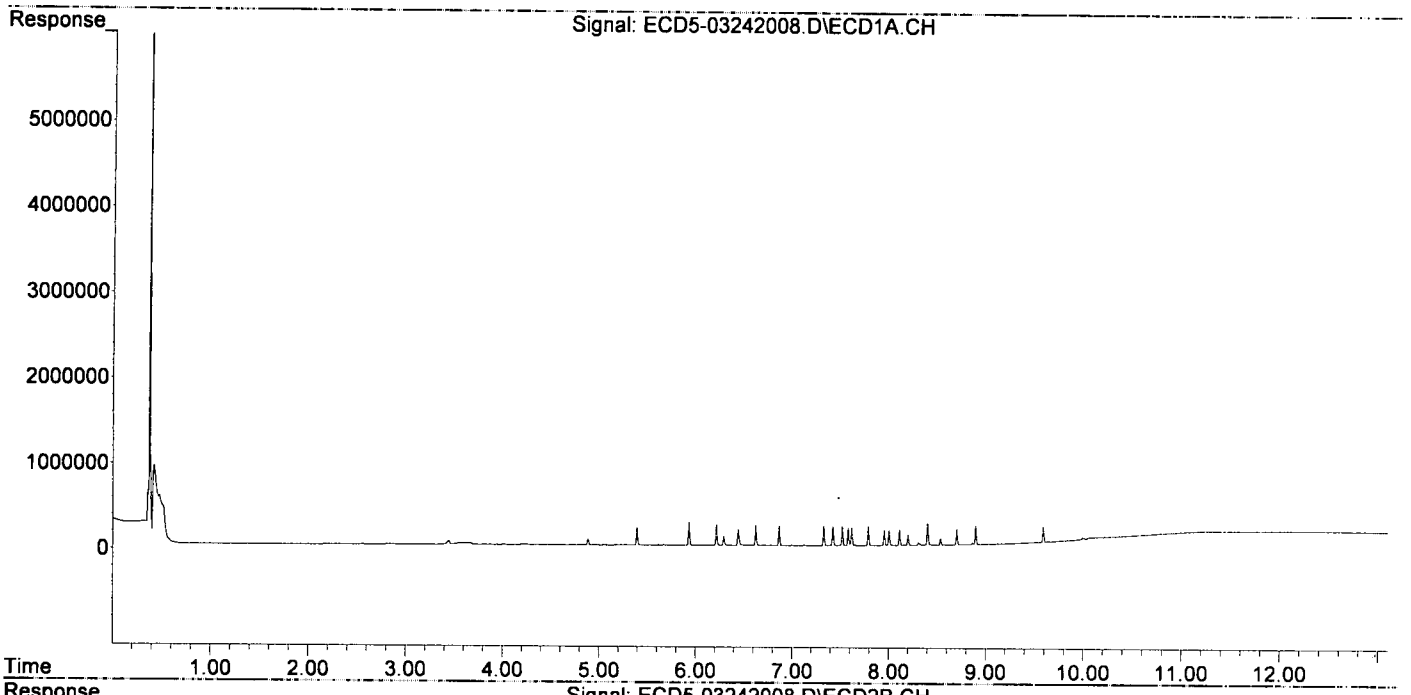
p.t wasn't in Cal.

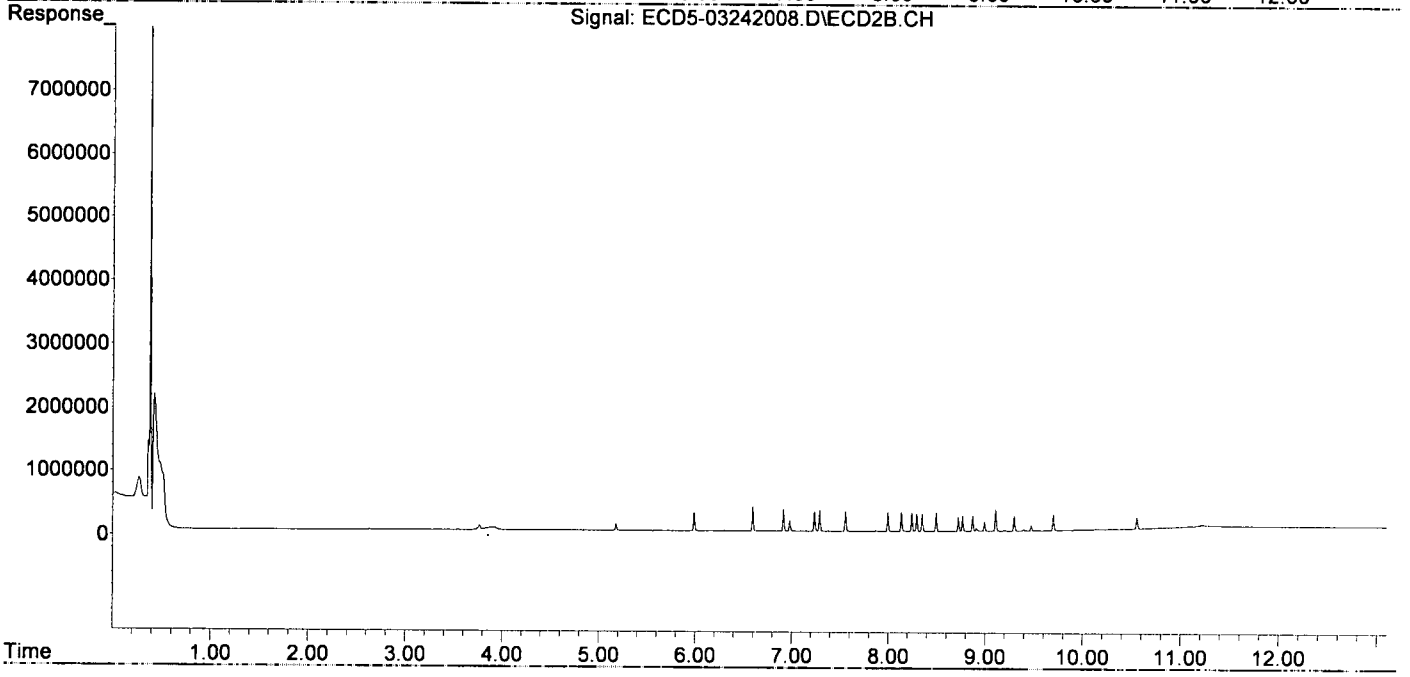
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:33
Operator : MJB
Sample : 0C24036-CAL2
Misc : A20C178, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:25 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:50
Operator : MJB
Sample : 0C24036-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

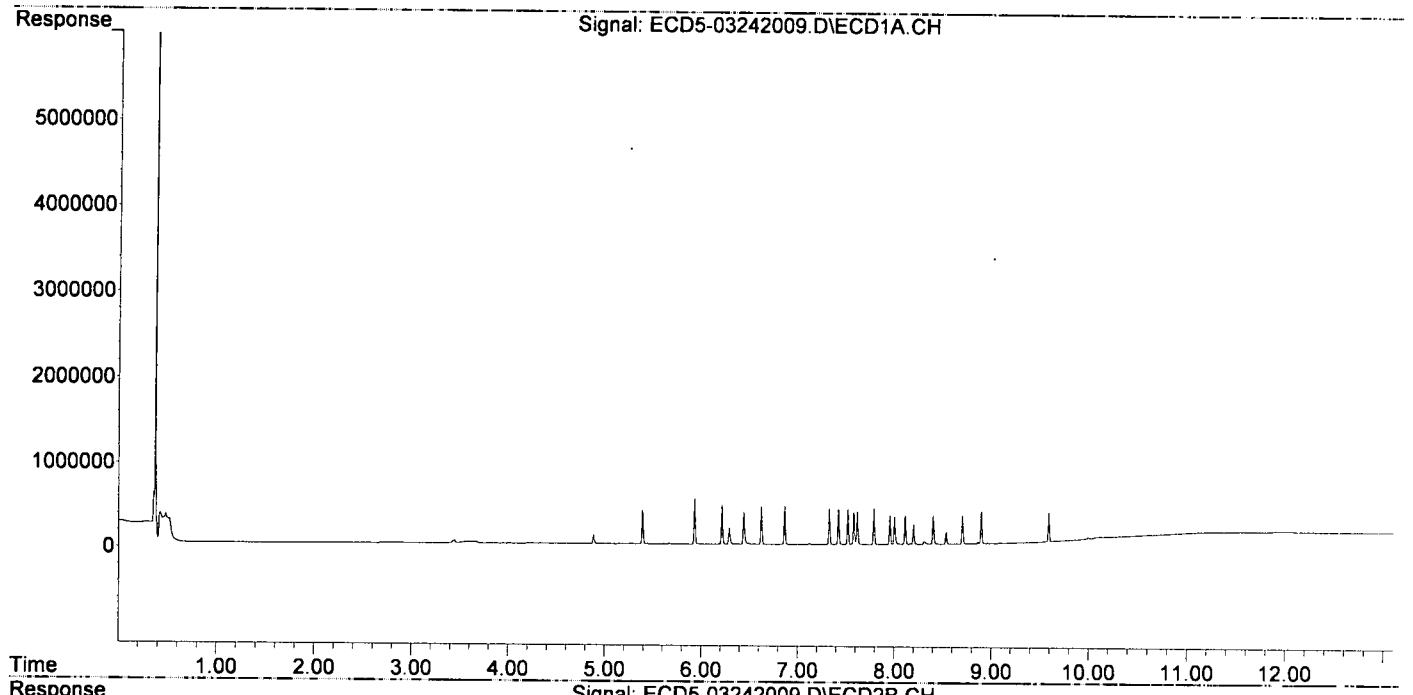
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.390	5.986	389246	549729	2.015	1.923	
22)	S	DCBP (S)	9.589	10.552	338359	341403	2.101	2.010	
		Target Compounds							
2)		a-BHC	5.930	6.594	533325	769730	2.026	1.900	
3)		g-BHC	6.213	6.913	461944	680129	2.019	1.923	
4)		b-BHC	6.289	6.977	193610	302962	2.024	2.019	
5)		Heptachlor	6.622	7.287	451051	669996	2.025	1.999	
6)		d-BHC	6.440	7.233	371970	619769	1.906	1.898	
7)		Aldrin	6.863	7.554	446847	627199	2.013	1.925	
8)		Heptachlo...	7.326	7.994	421620	587296	2.057	1.973	
9)		trans-Chl...	7.421	8.133	420963	584049	2.019	1.928	
10)		cis-Chlor...	7.518	8.241	418487	563394	2.044	1.942	
11)		Endosulfa...	7.616	8.292	394005	531137	2.038	1.955	
12)		4,4'-DDE	7.579	8.347	377407	535383	1.915	1.870	
13)		Dieldrin	7.788	8.493	423831	559484	1.995	1.881	
14)		Endrin	7.953	8.720	337729	427288	1.976	1.866	
15)		4,4'-DDD	8.001	8.764	324983	459481	1.989	1.910	
16)		Endosulfa...	8.110	8.868	336277	458827	2.007	1.913	
17)		4,4'-DDT	8.198	8.990	239428	293276	1.941	1.868	
18)		Endrin Al...	8.400	9.105	339697	448662	2.321	2.157	
19)		Endosulfa...	8.702	9.295	331487	442393	2.016	1.943	
20)		Methoxychlor	8.534	9.469	141470	178580	2.027	2.056	
21)		Endrin Ke...	8.896	9.696	384343	474690	2.013	1.904	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	6.474	0	5655	N.D.	0.015	#
25)		Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)		2,4'-DDE	7.326	8.133	421620	584049	2.764	2.481	
27)		trans-Non...	7.518	8.241f	418487	563394	1.868	1.656	
28)		2,4'-DDD	0.000	8.493	0	559484	N.D.	2.678	#
29)		2,4'-DDT	0.000	8.720	0	427288	N.D.	2.591	#
30)		cis-Nonac...	8.001	8.764	324983	459481	1.298	1.223	
31)		Mirex	8.652	9.696	2416	474690	BelowCal	2.327	
32)		Chlordane...	7.421	8.133	420963	584049	16.966	13.762	
33)		Chlordane...	7.518	8.241	418487	563394	15.197	16.043	
34)		Chlordane...	8.110f	8.907	336277	45480	44.873	4.224	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.518	8.493	418487	559484	394.642	197.867	#
37)		Toxaphene...	7.788	0.000	423831	0	215.187	N.D.	#
38)		Toxaphene...	8.110	8.868	336277	458827	83.671	79.912	
39)		Toxaphene...	0.000	8.907f	0	45480	N.D.	4.918	#
40)		Toxaphene...	0.000	9.105	0	448662	N.D.	88.456	#
41)		Toxaphene...	8.652	9.469	2416	178580	0.613	33.433	#
42)		Toxaphene...	3.660f	0.000	19077	0	NoCal	N.D.	

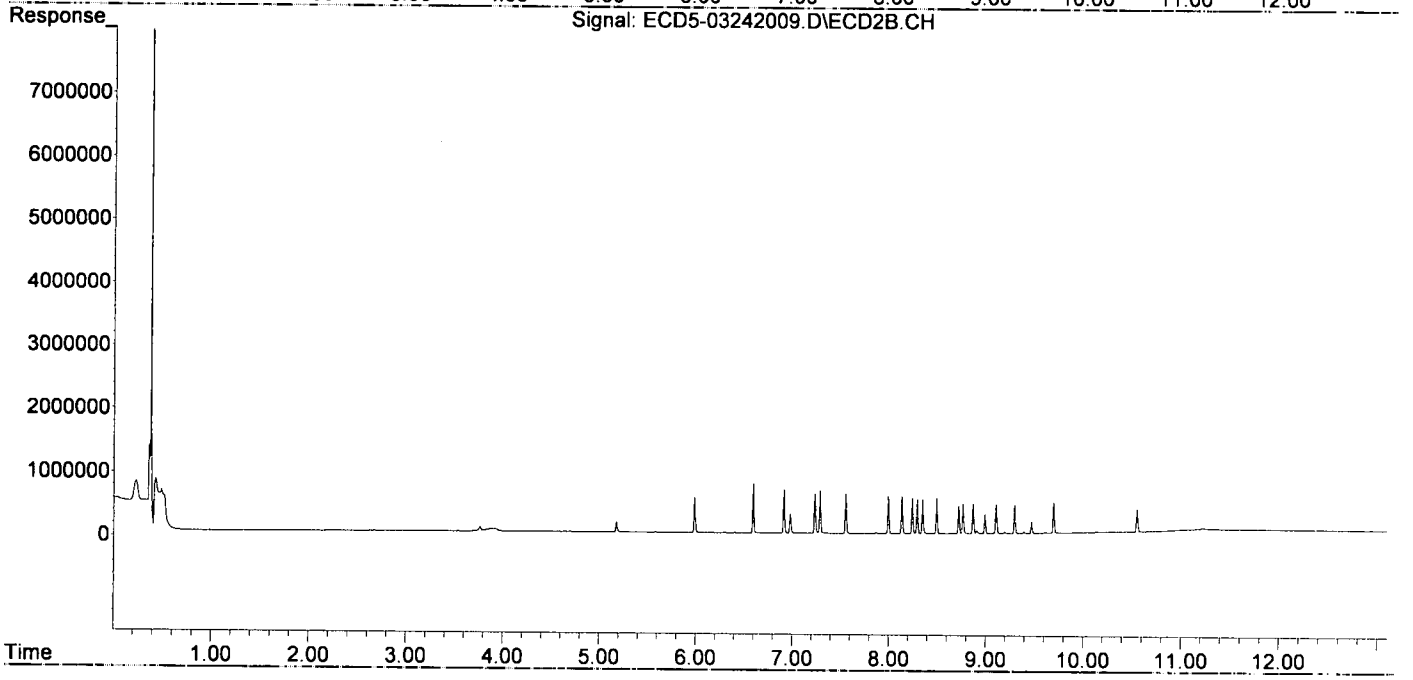
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:50
Operator : MJB
Sample : 0C24036-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:46:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:07
Operator : MJB
Sample : 0C24036-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:10 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

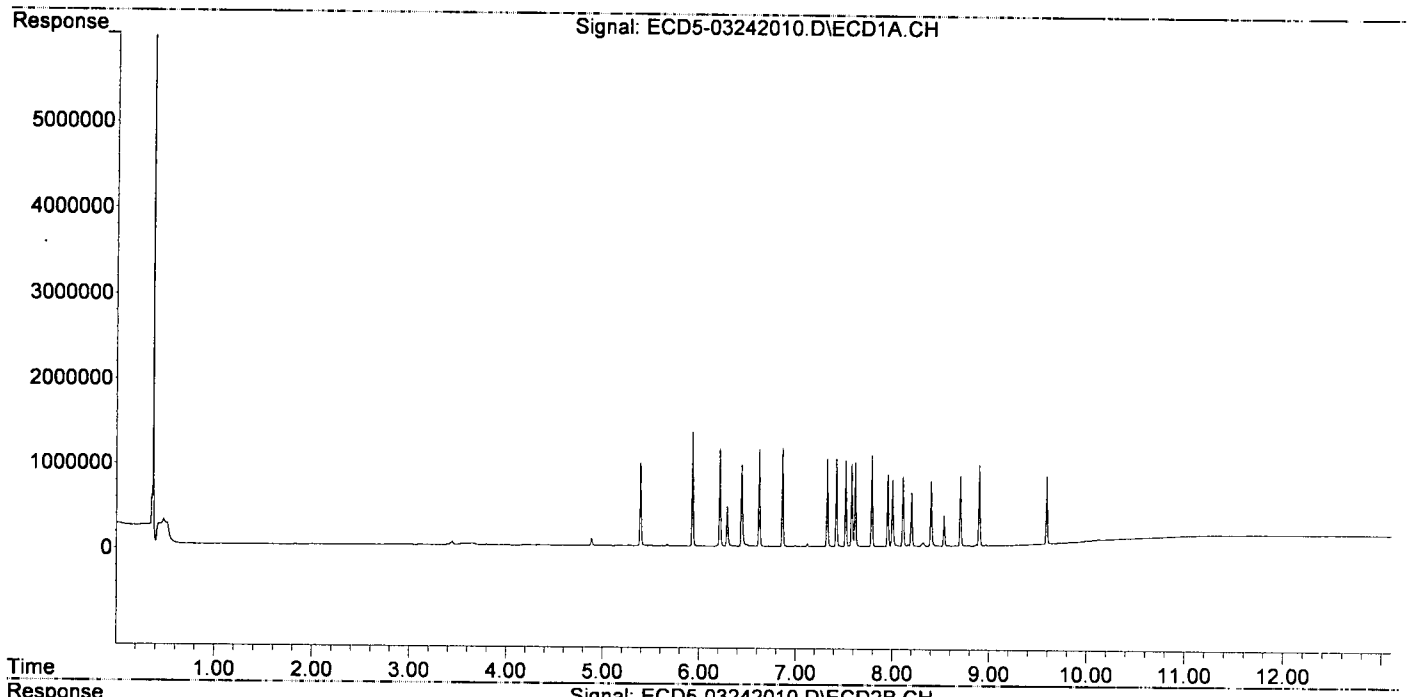
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.390	5.986	964743	1335959	4.994	4.674	
22)	S DCBP (S)	9.588	10.553	799034	836468	5.204	4.925	
	Target Compounds							
2)	a-BHC	5.930	6.594	1329593	1962158	5.052	4.842	
3)	g-BHC	6.213	6.913	1144128	1681533	5.002	4.753	
4)	b-BHC	6.289	6.977	468025	728404	4.892	4.855	
5)	Heptachlor	6.622	7.288	1139576	1622489	5.115	4.841	
6)	d-BHC	6.439	7.233	956714	1544609	4.903	4.730	
7)	Aldrin	6.863	7.554	1150626	1571627	5.182	4.823	
8)	Heptachlo...	7.325	7.993	1022828	1429908	4.991	4.804	
9)	trans-Chl...	7.420	8.133	1026948	1462256	4.926	4.827	
10)	cis-Chlor...	7.518	8.241	1009258	1388464	4.928	4.785	
11)	Endosulfa...	7.616	8.291	985546	1319107	5.098	4.855	
12)	4,4'-DDE	7.579	8.347	966330	1383430	4.902	4.831	
13)	Dieldrin	7.787	8.493	1062097	1421532	4.999	4.778	
14)	Endrin	7.952	8.720	846370	1113227	4.952	4.862	
15)	4,4'-DDD	8.001	8.764	779676	1150449	4.771	4.781	
16)	Endosulfa...	8.109	8.868	815737	1121325	4.869	4.674	
17)	4,4'-DDT	8.197	8.990	628966	826552	5.101	5.114	
18)	Endrin Al...	8.400	9.104	757621	1046598	5.176	5.032	
19)	Endosulfa...	8.702	9.295	818686	1094098	4.979	4.805	
20)	Methoxychlor	8.533	9.469	355516	445546	5.338	5.217	
21)	Endrin Ke...	8.896	9.695	944342	1186676	4.945	4.760	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	6.473	0	6415	N.D.	0.018	#
25)	Oxychlordane	7.261	0.000	5518	0	0.028	N.D.	#
26)	2,4'-DDE	7.325	8.133	1022828	1462256	6.705	6.212	
27)	trans-Non...	7.518	8.194	1009258	6640	4.506	0.020	#
28)	2,4'-DDD	0.000	8.493	0	1421532	N.D.	6.805	#
29)	2,4'-DDT	7.882	8.720	3275	1113227	0.025	6.631	#
30)	cis-Nonac...	8.001	8.764	779676	1150449	3.115	3.063	
31)	Mirex	8.651	9.695	5455	1186676	BelowCal	6.029	
32)	Chlordane...	7.420	8.133	1026948	1462256	41.388	34.455	
33)	Chlordane...	7.518	8.241	1009258	1388464	36.649	39.538	
34)	Chlordane...	8.109f	8.907	815737	51993	108.854	4.829	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.518	8.493	1009258	1421532	951.752	502.739	#
37)	Toxaphene...	7.787	0.000	1062097	0	539.246	N.D.	#
38)	Toxaphene...	8.109	8.868	815737	1121325	202.968	195.297	
39)	Toxaphene...	8.320f	8.907f	43956	51993	11.250	5.622	#
40)	Toxaphene...	0.000	9.104	0	1046598	N.D.	206.341	#
41)	Toxaphene...	8.651	9.469	5455	445546	1.383	83.413	#
42)	Toxaphene...	3.662f	0.000	18606	0	NoCal	N.D.	

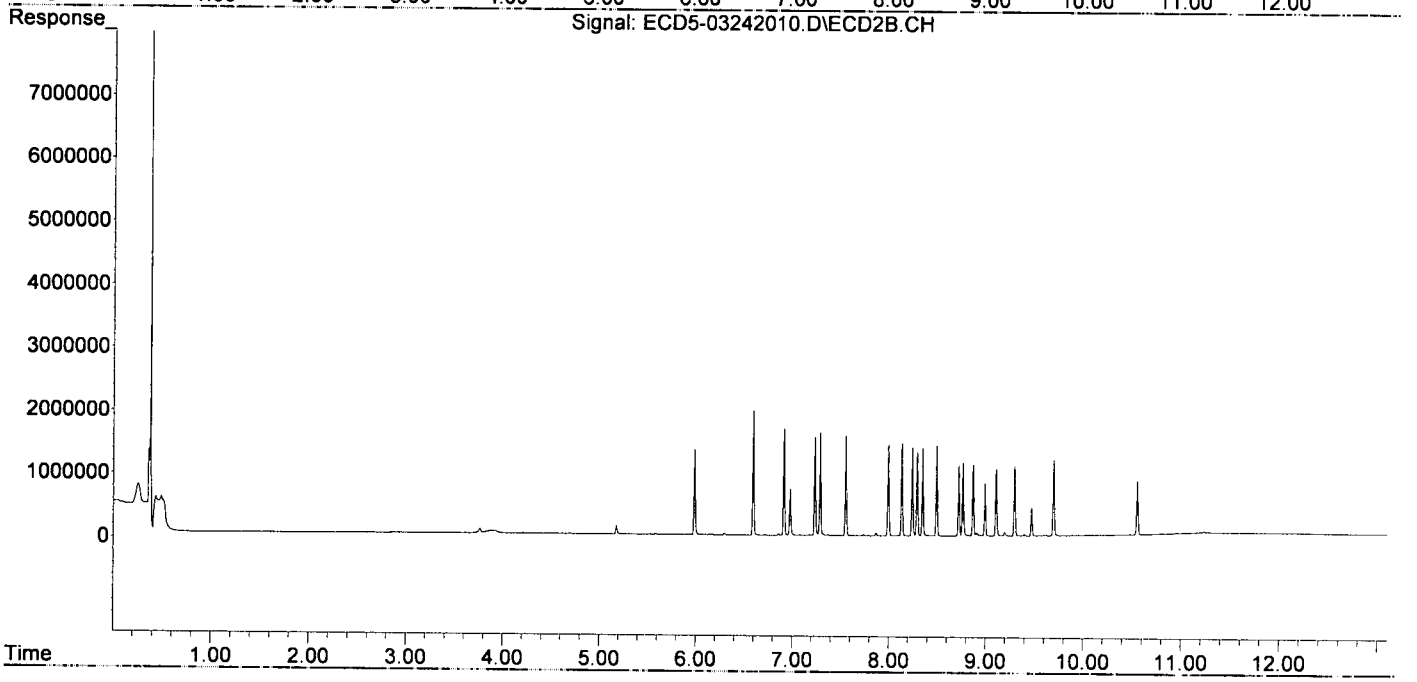
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:07
Operator : MJB
Sample : 0C24036-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:10 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:24
Operator : MJB
Sample : 0C24036-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

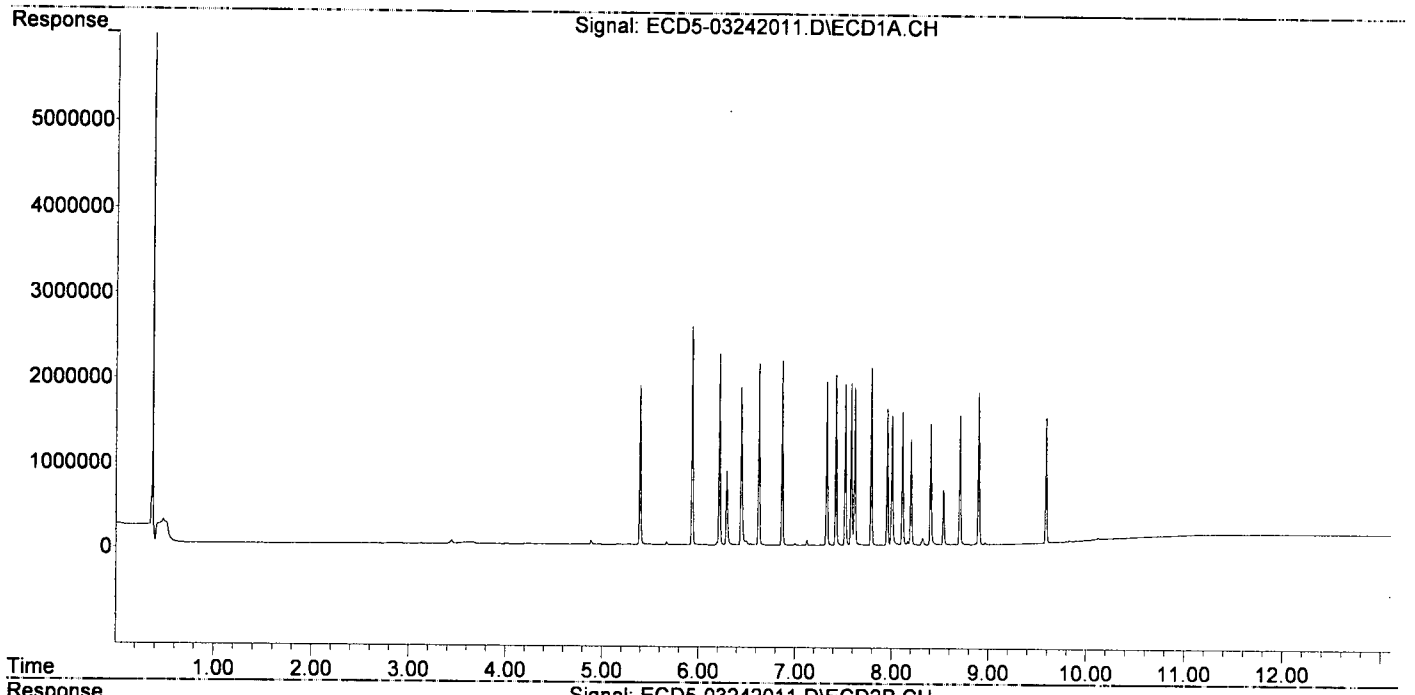
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.391	5.987	1871440	2672852	9.687	9.351	
22)	S	DCBP (S)	9.589	10.554	1476751	1539567	9.768	9.065	
		Target Compounds							
2)		a-BHC	5.930	6.595	2560403	3940249	9.729	9.724	
3)		g-BHC	6.213	6.913	2232104	3375199	9.758	9.541	
4)		b-BHC	6.289	6.977	872767	1376406	9.123	9.174	
5)		Heptachlor	6.623	7.288	2121785	3095659	9.524	9.237	
6)		d-BHC	6.439	7.233	1855154	3066052	9.508	9.389	
7)		Aldrin	6.864	7.555	2164338	3095998	9.748	9.500	
8)		Heptachlo...	7.326	7.994	1918192	2823127	9.359	9.485	
9)		trans-Chl...	7.421	8.134	1997780	2808234	9.583	9.270	
10)		cis-Chlor...	7.518	8.242	1892390	2750743	9.241	9.480	
11)		Endosulfa...	7.616	8.292	1839301	2496249	9.513	9.187	
12)		4,4'-DDE	7.579	8.348	1899226	2682066	9.635	9.367	
13)		Dieldrin	7.787	8.493	2075053	2800716	9.767	9.414	
14)		Endrin	7.952	8.720	1604775	2149089	9.388	9.385	
15)		4,4'-DDD	8.001	8.764	1528268	2247089	9.351	9.339	
16)		Endosulfa...	8.109	8.868	1565837	2179899	9.346	9.087	
17)		4,4'-DDT	8.198	8.990	1240165	1621620	9.989	9.839	
18)		Endrin Al...	8.400	9.105	1418667	1961779	9.692	9.431	
19)		Endosulfa...	8.702	9.295	1519791	2092636	9.242	9.191	
20)		Methoxychlor	8.534	9.470	649462	846036	9.844	9.875	
21)		Endrin Ke...	8.896	9.696	1786134	2307847	9.353	9.257	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.772	6.474	5029	5302	0.022	0.015	#
25)		Oxychlordane	7.262	0.000	10799	0	0.054	N.D.	#
26)		2,4'-DDE	7.326	8.134	1918192	2808234	12.575	11.930	
27)		trans-Non...	7.518	8.193	1892390	11514	8.448	0.034	#
28)		2,4'-DDD	0.000	8.493	0	2800716	N.D.	13.406	#
29)		2,4'-DDT	7.884	8.720	4980	2149089	0.039	12.580	#
30)		cis-Nonac...	8.001	8.764	1528268	2247089	6.105	5.983	
31)		Mirex	8.651	9.696	10691	2307847	BelowCal	11.806	
32)		Chlordane...	7.421	8.134	1997780	2808234	80.515	66.171	
33)		Chlordane...	7.518	8.242	1892390	2750743	68.719	78.330	
34)		Chlordane...	8.109f	8.907	1565837	57434	208.948	5.334	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.518	8.493	1892390	2800716	1784.564	990.501	#
37)		Toxaphene...	7.787	0.000	2075053	0	1053.542	N.D.	#
38)		Toxaphene...	8.109	8.868	1565837	2179899	389.605	379.665	
39)		Toxaphene...	8.321f	8.907f	79411	57434	20.324	6.210	#
40)		Toxaphene...	0.000	9.105	0	1961779	N.D.	386.773	#
41)		Toxaphene...	8.651	9.470	10691	846036	2.711	158.392	#
42)		Toxaphene...	3.663f	0.000	17335	0	NoCal	N.D.	

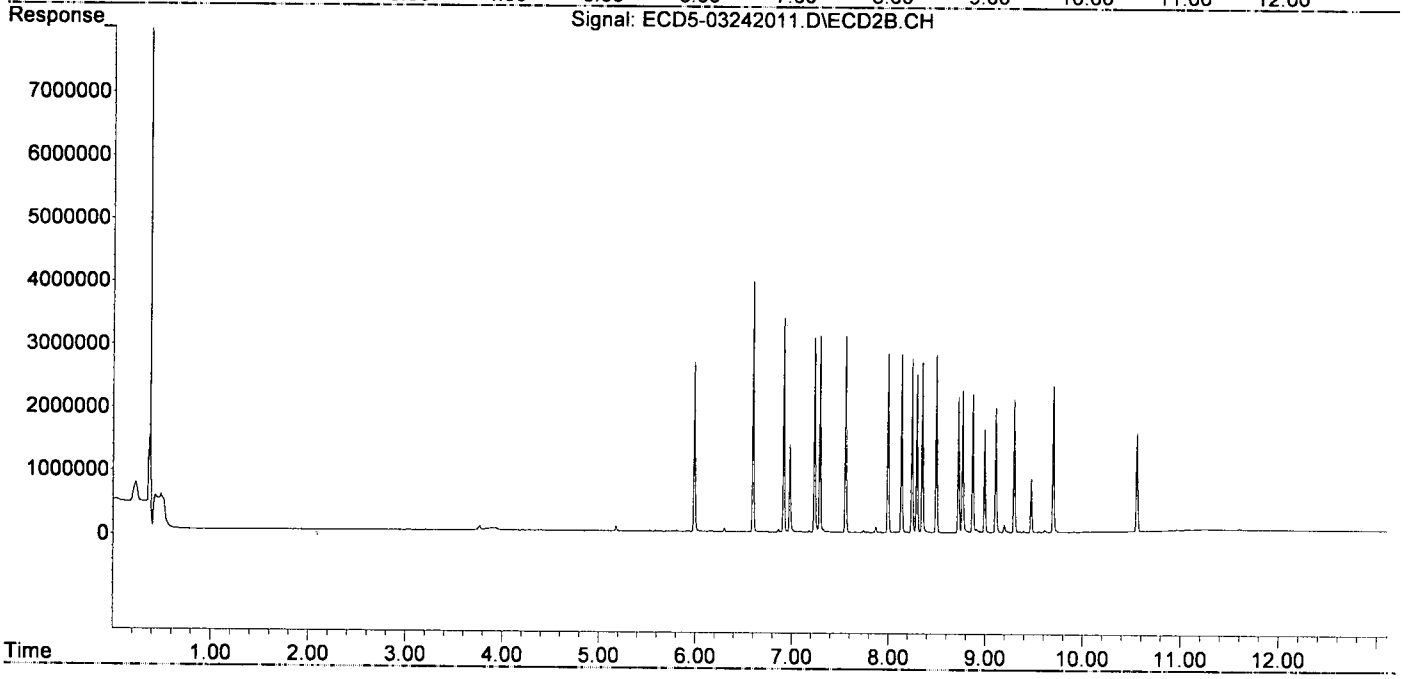
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:24
Operator : MJB
Sample : 0C24036-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:41
Operator : MJB
Sample : 0C24036-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

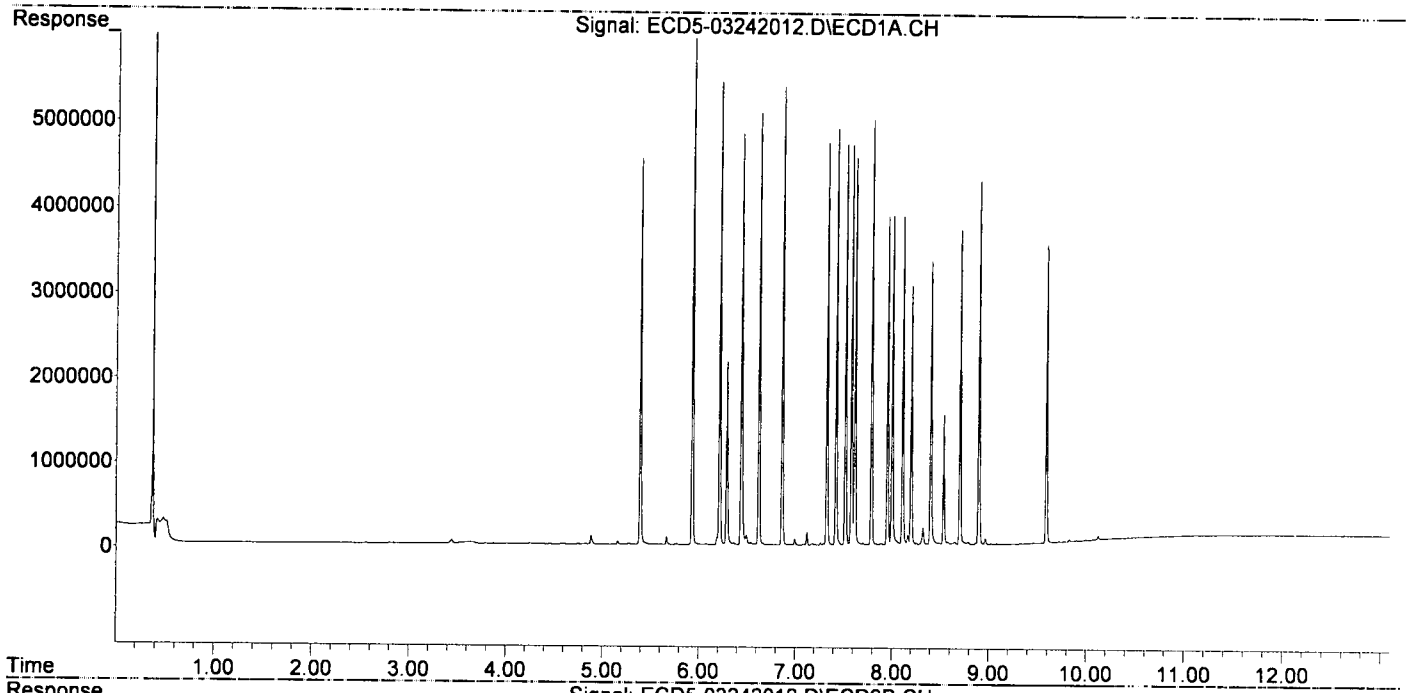
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.390	5.986	4512622	6520954	23.358	22.813	
22)	S DCBP (S)	9.588	10.552	3497021	3867029	23.371	22.770	
	Target Compounds							
2)	a-BHC	5.929	6.594	6300836	9620617	23.941	23.743	
3)	g-BHC	6.212	6.912	5406502	8241389	23.635	23.296	
4)	b-BHC	6.288	6.976	2161452	3404701	22.593	22.693	
5)	Heptachlor	6.621	7.287	5053266	7620334	22.682	22.737	
6)	d-BHC	6.438	7.232	4815486	7763079	24.679	23.773	
7)	Aldrin	6.863	7.554	5344381	7846063	24.071	24.077	
8)	Heptachlo...	7.325	7.992	4717307	6834808	23.017	22.963	
9)	trans-Chl...	7.419	8.132	4840892	7038270	23.222	23.233	
10)	cis-Chlor...	7.517	8.240	4673568	6834773	22.822	23.554	
11)	Endosulfa...	7.615	8.291	4539125	6355160	23.478	23.389	
12)	4,4'-DDE	7.578	8.346	4679040	6917688	23.738	24.159	
13)	Dieldrin	7.787	8.492	4973639	7072067	23.410	23.771	
14)	Endrin	7.951	8.720	3854623	5127876	22.551	22.394	
15)	4,4'-DDD	8.000	8.762	3831772	5545997	23.446	23.049	
16)	Endosulfa...	8.108	8.867	3858748	5692155	23.031	23.727	
17)	4,4'-DDT	8.197	8.990	3040414	4248274	23.936	24.590	
18)	Endrin Al...	8.399	9.104	3315527	4831046	22.651	23.226	
19)	Endosulfa...	8.701	9.295	3693603	5149242	22.462	22.615	
20)	Methoxychlor	8.532	9.468	1519078	2040469	22.916	23.224	
21)	Endrin Ke...	8.895	9.695	4268654	5671298	22.353	22.747	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.771	6.472	12822	6911	0.057	0.019	#
25)	Oxychlordane	7.260	7.955f	25574	12020	0.128	0.039	#
26)	2,4'-DDE	7.325	8.132	4717307	7038270	30.925	29.901	
27)	trans-Non...	7.517	8.191	4673568	28149	20.865	0.083	#
28)	2,4'-DDD	7.702	8.492	23467	7072067	0.171	33.852	#
29)	2,4'-DDT	7.884	8.720	13779	5127876	0.107	28.794	#
30)	cis-Nonac...	8.000	8.762	3831772	5545997	15.308	14.768	
31)	Mirex	8.650	9.695	31844	5671298	BelowCal	28.778	
32)	Chlordane...	7.419	8.132	4840892	7038270	195.098	165.844	
33)	Chlordane...	7.517	8.240	4673568	6834773	169.712	194.626	
34)	Chlordane...	8.108f	8.905	3858748	66373	514.919	6.165	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.517	8.492	4673568	7072067	4407.275	2501.106	#
37)	Toxaphene...	7.787	0.000	4973639	0	2525.208	N.D.	#
38)	Toxaphene...	8.108	8.867	3858748	5692155	960.118	991.382	
39)	Toxaphene...	8.320f	8.945	196252	37706	50.228	4.077	#
40)	Toxaphene...	8.574	9.104	31997	4831046	10.606	952.461	#
41)	Toxaphene...	8.650	9.468	31844	2040469	8.075	382.009	#
42)	Toxaphene...	3.663f	0.000	17367	0	NoCal	N.D.	

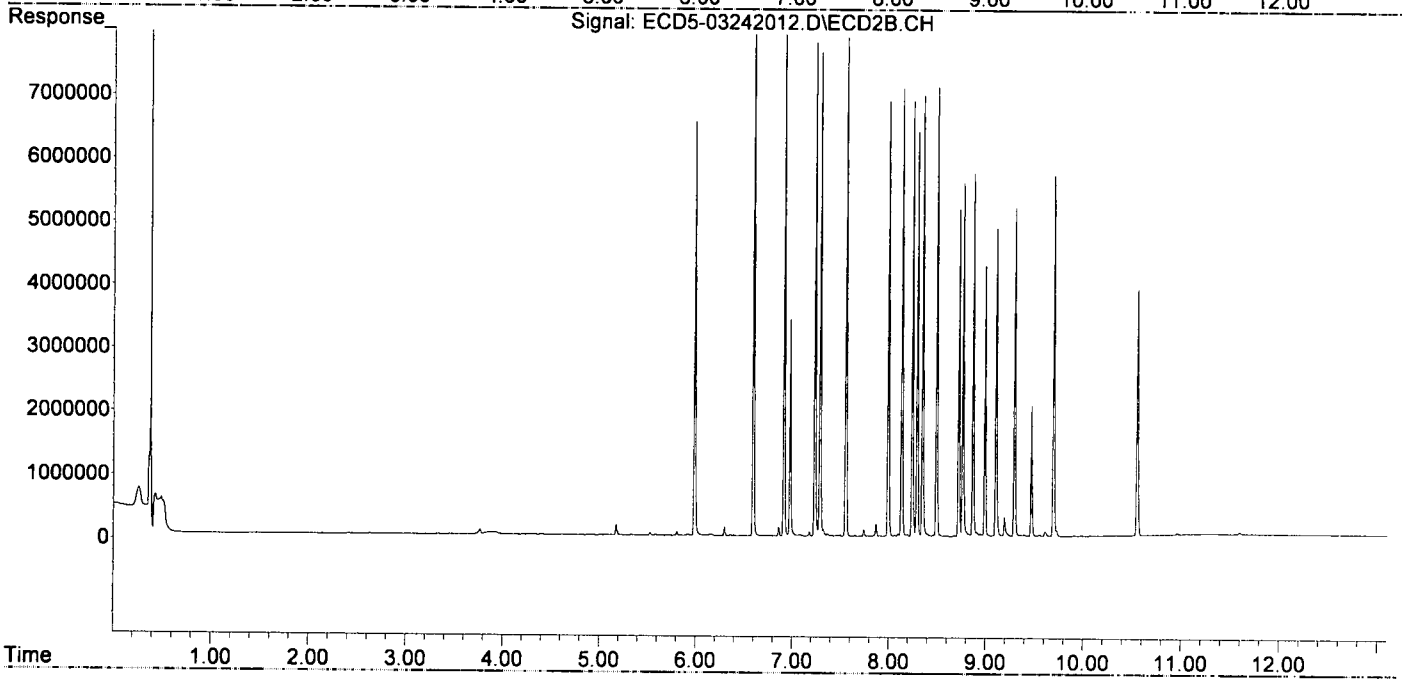
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:41
Operator : MJB
Sample : 0C24036-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:59
Operator : MJB
Sample : 0C24036-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:43 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

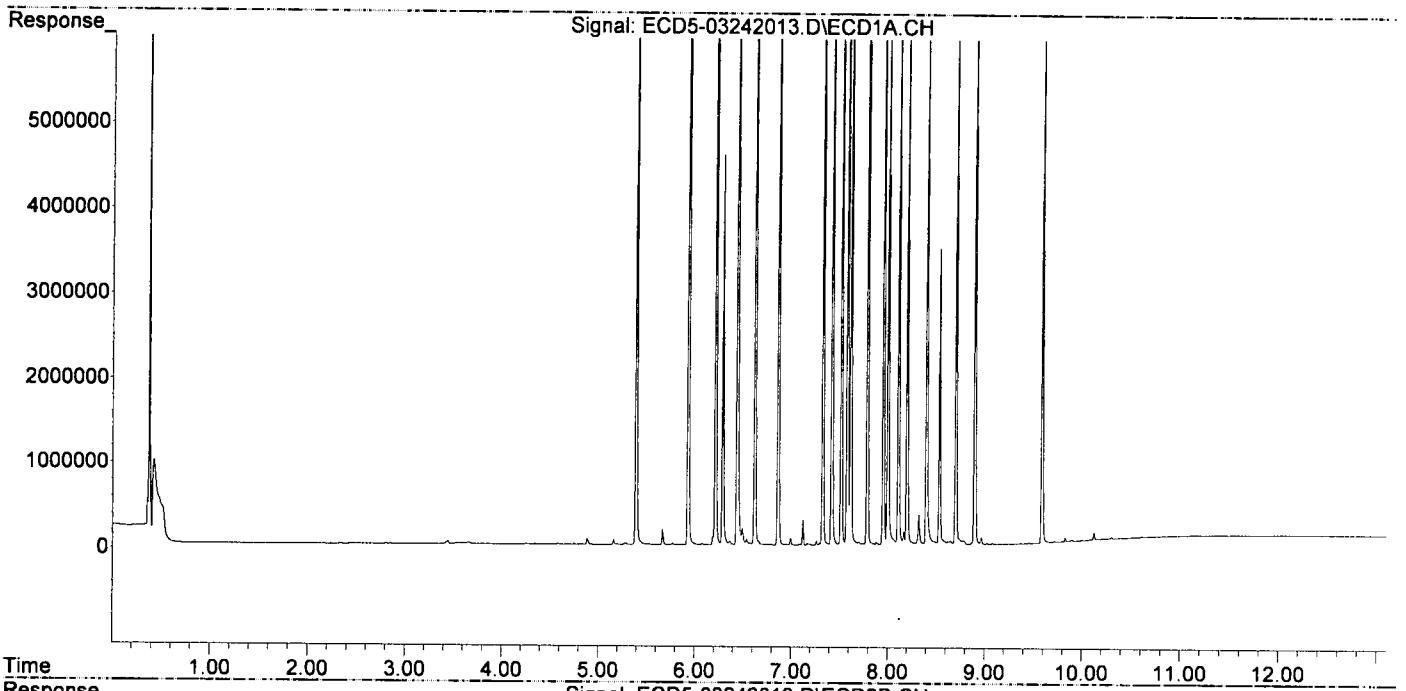
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.390	5.986	9241615	14017788	47.836	49.039	
22)	S	DCBP (S)	9.588	10.552	7476041	8231591	50.142	48.470	
		Target Compounds							
2)		a-BHC	5.930	6.594	13114161	20918784	49.829	51.625	
3)		g-BHC	6.213	6.913	11377125	18216369	49.737	51.493	
4)		b-BHC	6.288	6.976	4558073	7084389	47.644	47.219	
5)		Heptachlor	6.622	7.288	10846684	16951882	48.687	50.581	
6)		d-BHC	6.438	7.232	9993782	16615642	51.217	50.882	
7)		Aldrin	6.863	7.554	10890711	16771407	49.052	51.465	
8)		Heptachlo...	7.325	7.992	9785678	14878805	47.747	49.988	
9)		trans-Chl...	7.419	8.132	10175152	15299535	48.811	50.502	
10)		cis-Chlor...	7.516	8.241	9884511	14093207	48.268	48.568	
11)		Endosulfa...	7.614	8.291	9377081	13891933	48.501	51.127	
12)		4,4'-DDE	7.577	8.346	9875598	14809734	50.102	51.721	
13)		Dieldrin	7.786	8.492	10681004	15366274	50.273	51.649	
14)		Endrin	7.951	8.719	8540081	11711561	49.962	51.146	
15)		4,4'-DDD	7.999	8.762	7886558	12274757	48.256	51.014	
16)		Endosulfa...	8.108	8.866	8018318	11889800	47.857	49.561	
17)		4,4'-DDT	8.197	8.990	7151642	10176781	53.629	54.181	
18)		Endrin Al...	8.399	9.104	7114178	10138175	48.603	48.740	
19)		Endosulfa...	8.701	9.294	7962851	11454958	48.425	50.308	
20)		Methoxychlor	8.532	9.468	3473614	4887200	51.011	52.354	
21)		Endrin Ke...	8.895	9.695	9095515	12547342	47.628	50.326	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.772	6.473	21526	6248	0.096	0.017	#
25)		Oxychlordane	7.260	7.955f	52043	12623	0.260	0.041	#
26)		2,4'-DDE	7.325	8.132	9785678	15299535	64.152	64.997	
27)		trans-Non...	7.516	8.193	9884511	49267	44.129	0.145	#
28)		2,4'-DDD	7.701	8.492	34383	15366274	0.251	73.555	#
29)		2,4'-DDT	7.882	8.719	31600	11711561	0.244	60.966	#
30)		cis-Nonac...	7.999	8.762	7886558	12274757	31.507	32.685	
31)		Mirex	8.649	9.695	43996	12547342	0.085	61.946	#
32)		Chlordane...	7.419	8.132	10175152	15299535	410.081	360.505	
33)		Chlordane...	7.516	8.241	9884511	14093207	358.938	401.316	
34)		Chlordane...	8.108f	8.946f	8018318	61495	1069.981	5.712	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.516	8.492	9884511	15366274	9321.306	5434.433	#
37)		Toxaphene...	7.786	0.000	10681004	0	5422.942	N.D.	#
38)		Toxaphene...	8.108	8.866	8018318	11889800	1995.085	2070.803	
39)		Toxaphene...	8.320f	8.946	343957	61495	88.031	6.650	#
40)		Toxaphene...	8.618f	9.104	32908	10138175	10.909	1998.784	#
41)		Toxaphene...	8.649	9.468	43996	4887200	11.156	914.963	#
42)		Toxaphene...	3.662f	0.000	16263	0	NoCal	N.D.	

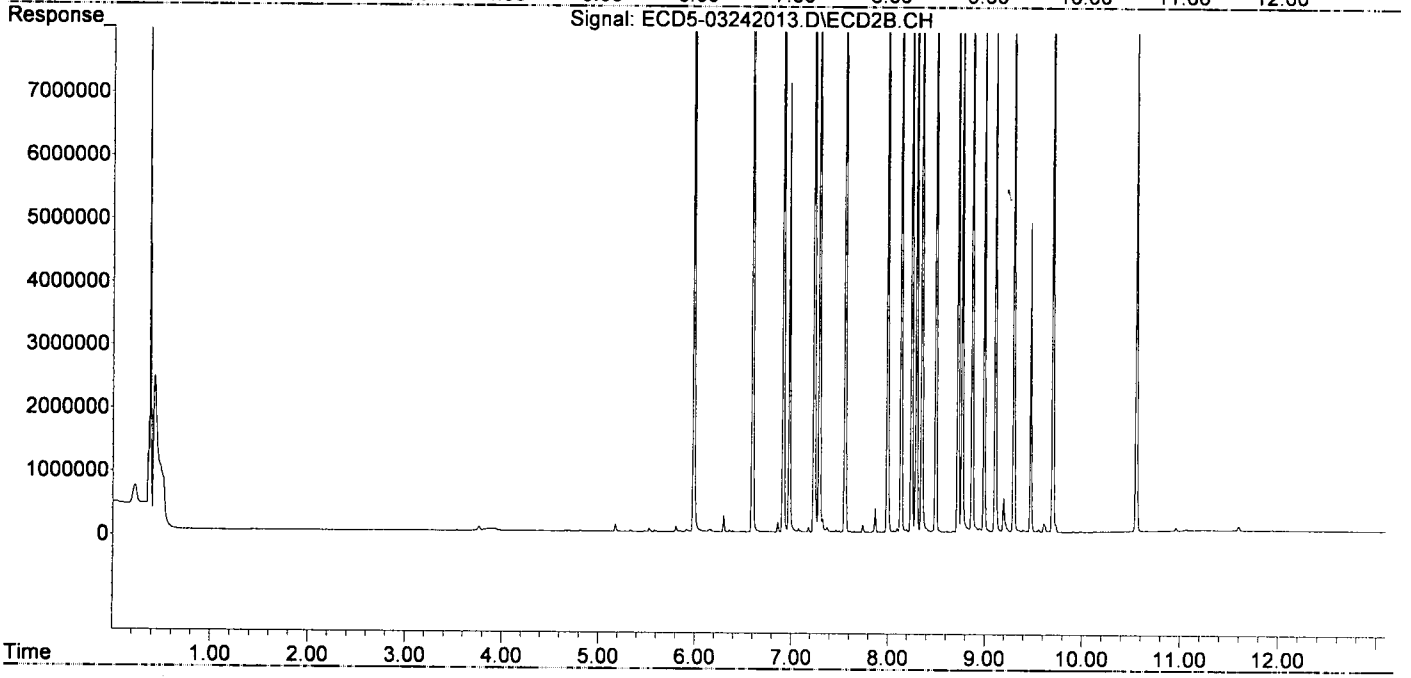
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:59
Operator : MJB
Sample : 0C24036-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:43 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:16
Operator : MJB
Sample : 0C24036-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

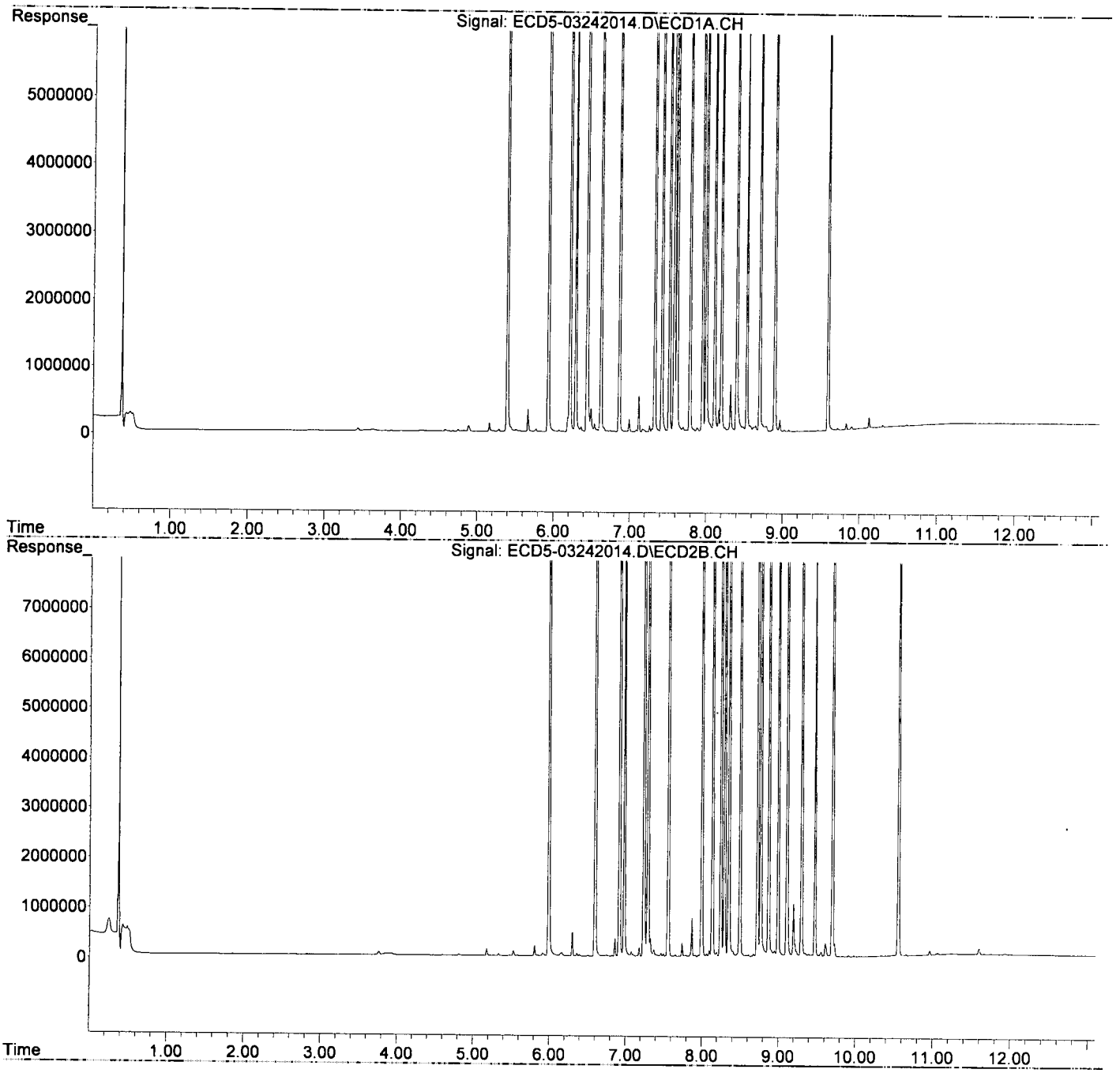
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.390	5.986	18354469	29363025	95.005	102.722	
22)	S DCBP (S)	9.589	10.552	14317616	16982193	96.114	99.996	
	Target Compounds							
2)	a-BHC	5.930	6.594	25791911	43878049	97.999	108.286	
3)	g-BHC	6.213	6.913	22728601	37817395	99.362	106.900	
4)	b-BHC	6.287	6.976	9186029	14734350	96.018	98.207	
5)	Heptachlor	6.621	7.287	21522215	34641316	96.606	103.362	
6)	d-BHC	6.436	7.232	20816304	36321392	106.682	111.227	
7)	Aldrin	6.862	7.554	21764216	34947753	98.027	107.242	
8)	Heptachlo...	7.324	7.993	19379985	30454129	94.560	102.316	
9)	trans-Chl...	7.419	8.132	20337337	31903979	97.559	105.311	
10)	cis-Chlor...	7.516	8.241	19434367	30047171	94.901	103.549	
11)	Endosulfa...	7.614	8.291	18202863	28261213	94.150	104.010	
12)	4,4'-DDE	7.577	8.347	19819998	31108086	100.553	108.640	
13)	Dieldrin	7.786	8.492	20834509	31817724	98.063	106.946	
14)	Endrin	7.951	8.720	16932423	24210638	99.061	105.732	
15)	4,4'-DDD	7.998	8.763	16376482	25268850	100.205	105.018	
16)	Endosulfa...	8.108	8.867	16370864	25393438	97.709	105.850	
17)	4,4'-DDT	8.196	8.989	14142106	21320006	98.857	100.865	
18)	Endrin Al...	8.398	9.104	13795821	20401144	94.252	98.081	
19)	Endosulfa...	8.700	9.295	15427222	22833485	93.819	100.281	
20)	Methoxychlor	8.531	9.468	6822606	9955852	95.699	97.545	
21)	Endrin Ke...	8.895	9.695	17693391	25794308	92.651	103.459	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.771	6.470	44085	8340	0.196	0.023	#
25)	Oxychlordane	7.259	7.915	94571	21464	0.472	0.070	#
26)	2,4'-DDE	7.324	8.132	19379985	31903979	127.049	135.538	
27)	trans-Non...	7.516	8.192	19434367	85978	86.763	0.253	#
28)	2,4'-DDD	7.701	8.529	68211	59637	0.498	0.285	#
29)	2,4'-DDT	7.882	8.720	59965	24210638	0.464	112.834	#
30)	cis-Nonac...	7.998	8.763	16376482	25268850	65.424	67.285	
31)	Mirex	8.649	9.695	88252	25794308	0.399	121.057	#
32)	Chlordane...	7.419	8.132	20337337	31903979	819.638	751.758	
33)	Chlordane...	7.516	8.241	19434367	30047171	705.724	855.618	
34)	Chlordane...	8.108f	8.946f	16370864	114739	2184.562	10.657	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.516	8.492	19434367	31817724	18327.025	11252.650	#
37)	Toxaphene...	7.786	0.000	20834509	0	10578.063	N.D.	#
38)	Toxaphene...	8.108	8.867	16370864	25393438	4073.331	4422.683	
39)	Toxaphene...	8.319f	8.946	706561	114739	180.835	12.407	#
40)	Toxaphene...	8.574	9.104	93613	20401144	31.031	4022.171	#
41)	Toxaphene...	8.649	9.468	88252	9955852	22.378	1863.896	#
42)	Toxaphene...	3.661f	0.000	16509	0	NoCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:16
Operator : MJB
Sample : 0C24036-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:47:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:33
Operator : MJB
Sample : 0C24036-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:48:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

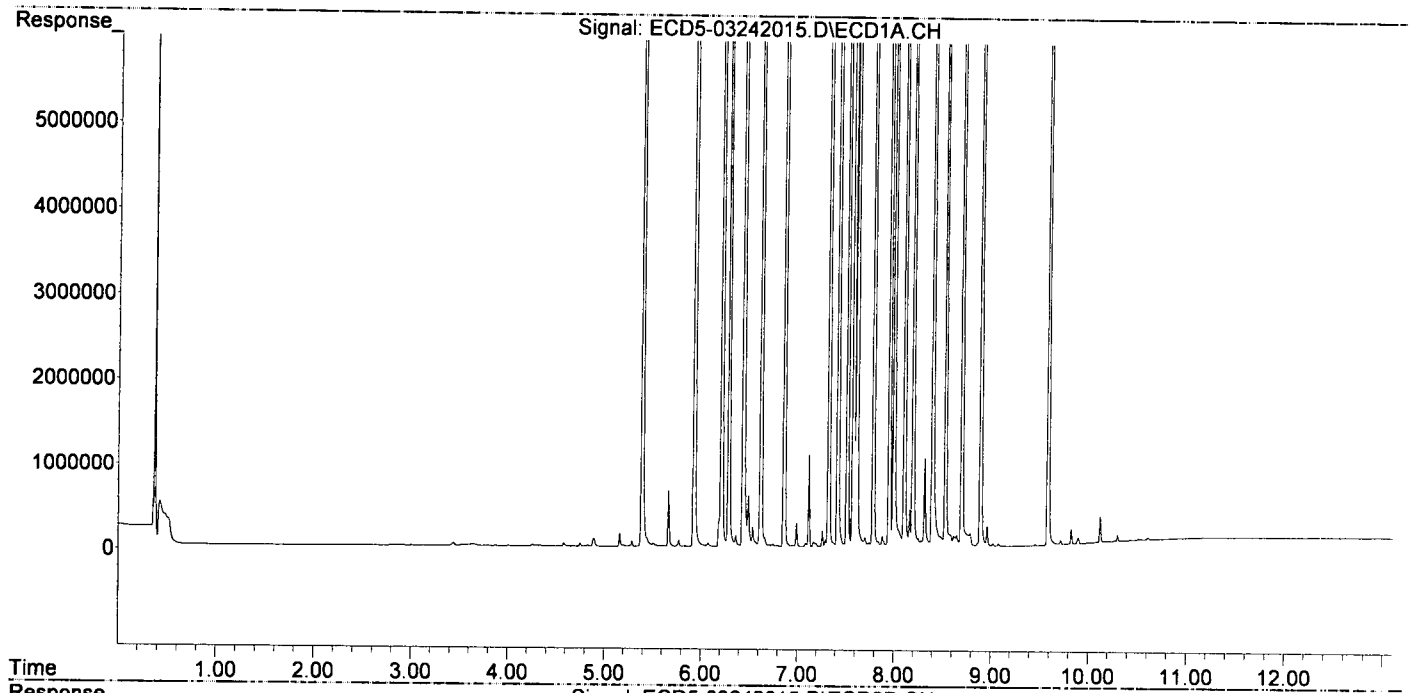
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.390	5.986	37287793	62652252	193.006	219.180	
22)	S DCBP (S)	9.588	10.552	30603888	37646124	205.253	221.671	
	Target Compounds							
2)	a-BHC	5.930	6.595	53574714	95080996	203.563	234.650	
3)	g-BHC	6.213	6.913	45788993	80123150	200.175	226.487	
4)	b-BHC	6.287	6.976	19246743	31639561	201.179	210.883	
5)	Heptachlor	6.622	7.288	44770359	74849628	200.959	223.334	
6)	d-BHC	6.437	7.232	44077896	78530101	225.896	240.483	
7)	Aldrin	6.863	7.554	43391772	73074265	195.438	224.238	
8)	Heptachlo...	7.324	7.993	40218545	65529406	196.237	220.158	
9)	trans-Chl...	7.418	8.132	41148096	67423876	197.390	222.559	
10)	cis-Chlor...	7.516	8.241	40151651	63539129	196.067	218.970	
11)	Endosulfa...	7.614	8.291	37977688	60399349	196.431	222.288	
12)	4,4'-DDE	7.577	8.347	41977826	67276188	212.966	234.951	
13)	Dieldrin	7.786	8.492	41790341	67824542	196.696	227.972	
14)	Endrin	7.951	8.720	35813409	54001572	209.521	235.833	
15)	4,4'-DDD	7.998	8.763	34856254	56579001	213.279	235.143	
16)	Endosulfa...	8.107	8.867	34456245	55386082	205.652	230.871	
17)	4,4'-DDT	8.196	8.989	32760341	51243602	199.055	197.210	
18)	Endrin Al...	8.398	9.103	29700843	45235475	202.913	217.475	
19)	Endosulfa...	8.700	9.294	32519969	51902037	197.768	227.946	
20)	Methoxychlor	8.531	9.468	16176865	24593885	204.156	201.296	
21)	Endrin Ke...	8.895	9.695	38148403	58217622	199.762	233.506	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.771	6.470	79978	6954	0.355	0.019	#
25)	Oxychlordane	7.259	7.916	180365	28874	0.901	0.094	#
26)	2,4'-DDE	7.324	8.132	40218545	67423876	263.660	286.437	
27)	trans-Non...	7.516	8.192	40151651	149124	179.254	0.438	#
28)	2,4'-DDD	7.700	8.492	106569	67824542	0.778	324.659	#
29)	2,4'-DDT	7.880	8.720	117798	54001572	0.911	210.328	#
30)	cis-Nonac...	7.998	8.763	34856254	56579001	139.250	150.656	
31)	Mirex	8.648	9.695	130745	58217622	0.701	246.854	#
32)	Chlordane...	7.418	8.132	41148096	67423876	1658.357	1588.718	
33)	Chlordane...	7.516	8.241	40151651	63539129	1458.035	1809.330	
34)	Chlordane...	8.107f	8.945f	34456245	187017	4597.912	17.370	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.516	8.492	40151651	67824542	37863.869	23986.814	#
37)	Toxaphene...	7.786	0.000	41790341	0	21217.724	N.D.	#
38)	Toxaphene...	8.107	8.867	34456245	55386082	8573.260	9646.393	
39)	Toxaphene...	8.318f	8.945	1031681	187017	264.045	20.223	#
40)	Toxaphene...	8.617f	9.103	117559	45235475	38.969	8918.363	#
41)	Toxaphene...	8.648	9.468	130745	24593885	33.153	4604.373	#
42)	Toxaphene...	3.662f	0.000	15488	0	NoCal	N.D.	

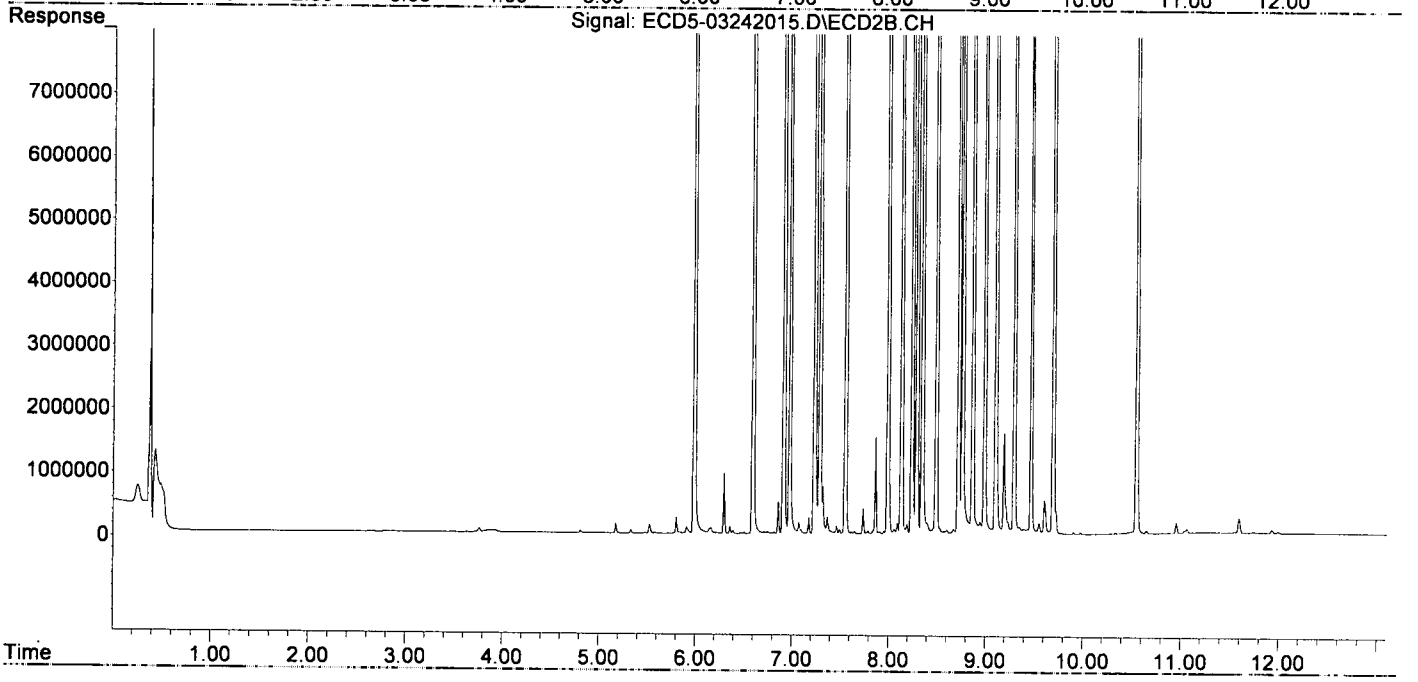
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:33
Operator : MJB
Sample : 0C24036-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:48:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

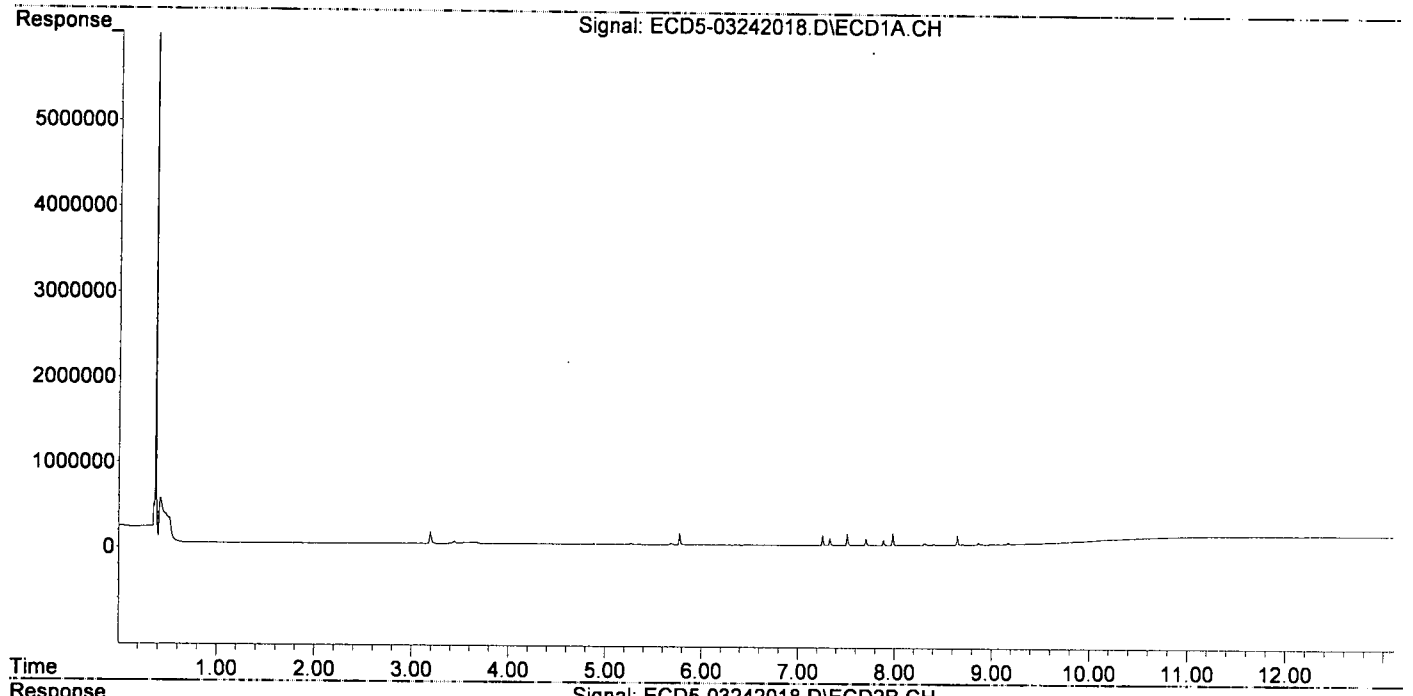
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.364f	5.995	2173	30249	0.011	0.106 #
22) S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6)	d-BHC	6.443	7.235	3823	7635	0.020	0.023
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	7.330	0.000	83210	0	0.406	N.D. #
9)	trans-Chl...	7.421	8.127	3592	124973	0.017	0.413 #
10)	cis-Chlor...	7.510	8.241	138714	12023	0.677	0.041 #
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	7.749f	8.500	4313	121076	0.020	0.407 #
14)	Endrin	7.981f	8.725	143310	93729	0.838	0.409 #
15)	4,4'-DDD	7.981	8.764	143310	200734	0.877	0.834
16)	Endosulfa...	8.112	8.869	4024	5634	0.024	0.023
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin Al...	8.403	9.105	12369	16950	0.085	0.081
19)	Endosulfa...	8.704	9.296	10287	14948	0.063	0.066
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21)	Endrin Ke...	8.897	9.688	5338	155731	0.028	0.625 #
23)	Hexachlor...	3.192	3.675	138995	251522	0.475	0.480
24)	Hexachlor...	5.773	6.455	135442	201955	0.473	0.487
25)	Oxychlordane	7.254	7.923	123441	180540	0.474	0.475
26)	2,4'-DDE	7.330	8.127	83210	124973	0.478	0.476
27)	trans-Non...	7.510	8.197	138714	194733	0.481	0.477
28)	2,4'-DDD	7.704	8.500	79625	121076	0.471	0.475
29)	2,4'-DDT	7.885	8.725	67791	93729	0.481	0.488
30)	cis-Nonac...	7.981	8.764	143310	200734	0.479	0.483
31)	Mirex	8.647	9.688	112691	155731	0.460	0.475
32)	Chlordane...	7.421	8.127	3592	124973	0.154	3.172 #
33)	Chlordane...	7.510	8.241	138714	12023	5.224	0.367 #
34)	Chlordane...	0.000	8.910	0	38083	N.D.	3.722 #
35)	Chlordane...	3.667f	3.675	13895	251522	NoCal	NoCal
36)	Toxaphene...	7.510	8.500f	138714	121076	133.482	43.051 #
37)	Toxaphene...	7.749f	0.000	4313	0	16729.360	N.D. #
38)	Toxaphene...	8.112	8.869	4024	5634	0.987	1.009
39)	Toxaphene...	8.310f	8.910	21653	38083	5.512	0.331 #
40)	Toxaphene...	0.000	9.105	0	16950	N.D.	3.430 #
41)	Toxaphene...	8.647	0.000	112691	0	28.133	N.D. #
42)	Toxaphene...	3.667f	3.675	13895	251522	NoCal	NoCal

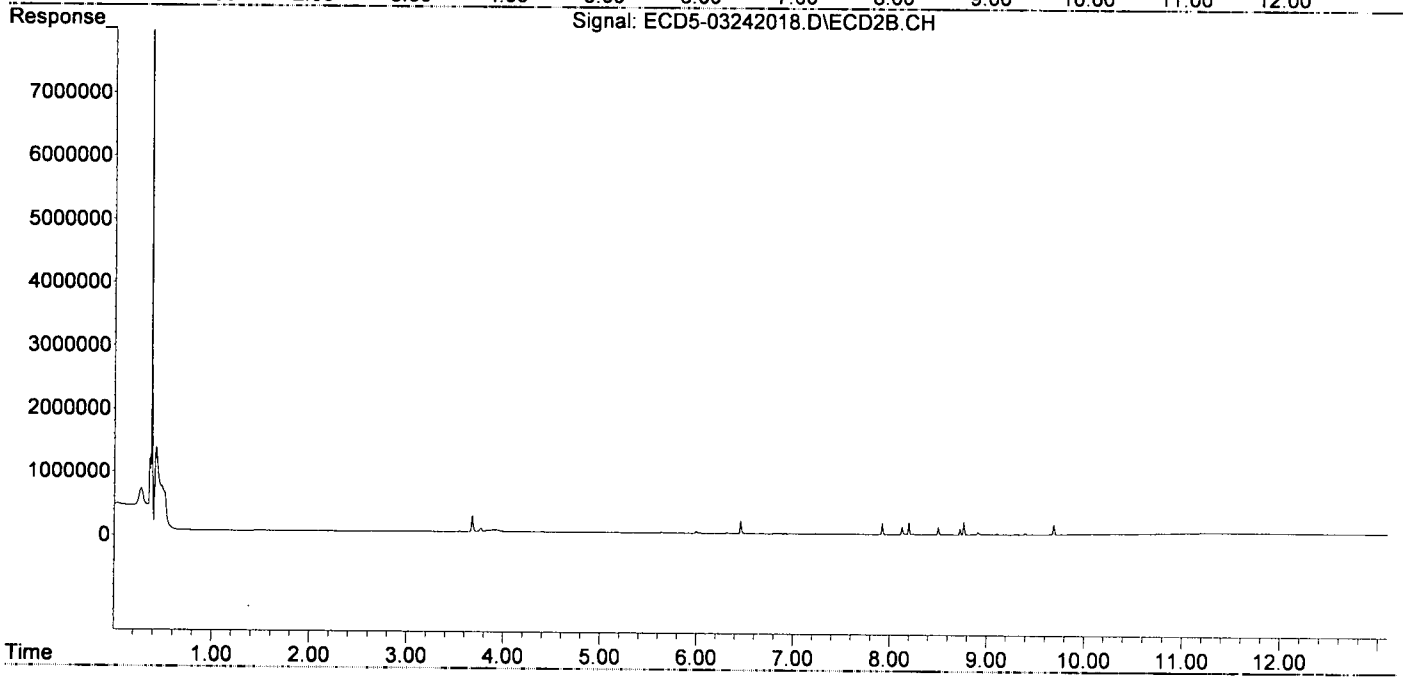
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:42
Operator : MJB
Sample : 0C24036-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

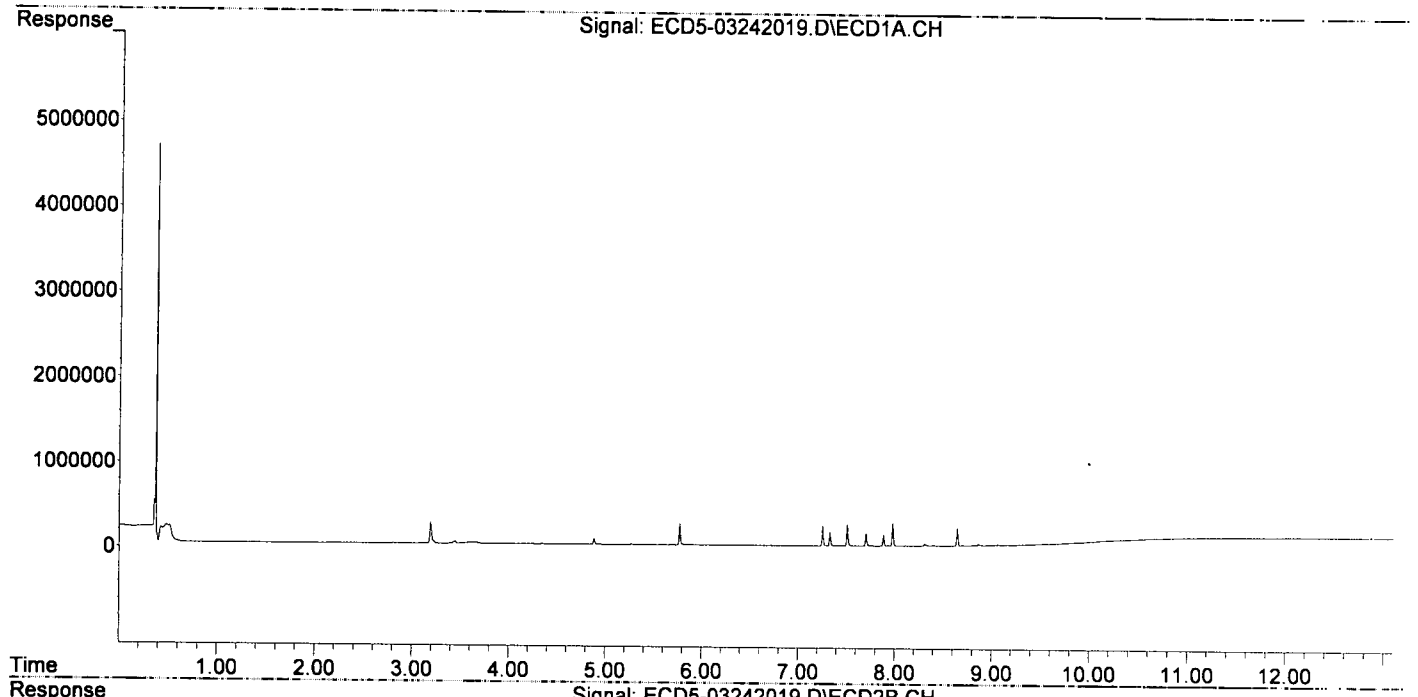
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.362f	5.993	4420	12884	0.023	0.045	#
22)	S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	7.232	0	5584	N.D.	0.017	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.328	0.000	156744	0	0.765	N.D.	#
9)	trans-Chl...	7.418	8.124	5340	238501	0.026	0.787	#
10)	cis-Chlor...	7.508	8.239	250677	22565	1.224	0.078	#
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	7.747f	8.498	8047	222099	0.038	0.747	#
14)	Endrin	7.978f	8.723	268101	174701	1.568	0.763	#
15)	4,4'-DDD	7.978f	8.761	268101	371890	1.640	1.546	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.400	9.103	7859	10352	0.054	0.050	
19)	Endosulfa...	8.702	9.294	6944	9551	0.042	0.042	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.895	9.686	3701	260806	0.019	1.046	#
23)	Hexachlor...	3.191	3.673	252963	464249	1.083	1.073	
24)	Hexachlor...	5.771	6.453	248838	360738	1.102	1.062	
25)	Oxychlordane	7.252	7.920	228603	334034	1.098	1.107	
26)	2,4'-DDE	7.328	8.124	156744	238501	1.089	1.103	
27)	trans-Non...	7.508	8.194	250677	360386	1.078	1.088	
28)	2,4'-DDD	7.701	8.498	148717	222099	1.123	1.103	
29)	2,4'-DDT	7.883	8.723	129911	174701	1.107	1.070	
30)	cis-Nonac...	7.978	8.761	268101	371890	1.097	1.077	
31)	Mirex	8.645	9.686	203027	260806	1.150	1.097	
32)	Chlordane...	7.418	8.124	5340	238501	0.229	6.053	#
33)	Chlordane...	7.508	8.239	250677	22565	9.441	0.689	#
34)	Chlordane...	0.000	8.907	0	38160	N.D.	3.729	#
35)	Chlordane...	3.664f	3.673	13440	464249	NoCal	NoCal	
36)	Toxaphene...	7.508	8.498f	250677	222099	241.223	78.972	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.309f	8.907	22758	38160	5.794	0.341	#
40)	Toxaphene...	0.000	9.103	0	10352	N.D.	2.095	#
41)	Toxaphene...	8.645	0.000	203027	0	50.685	N.D.	#
42)	Toxaphene...	3.664f	3.673	13440	464249	NoCal	NoCal	

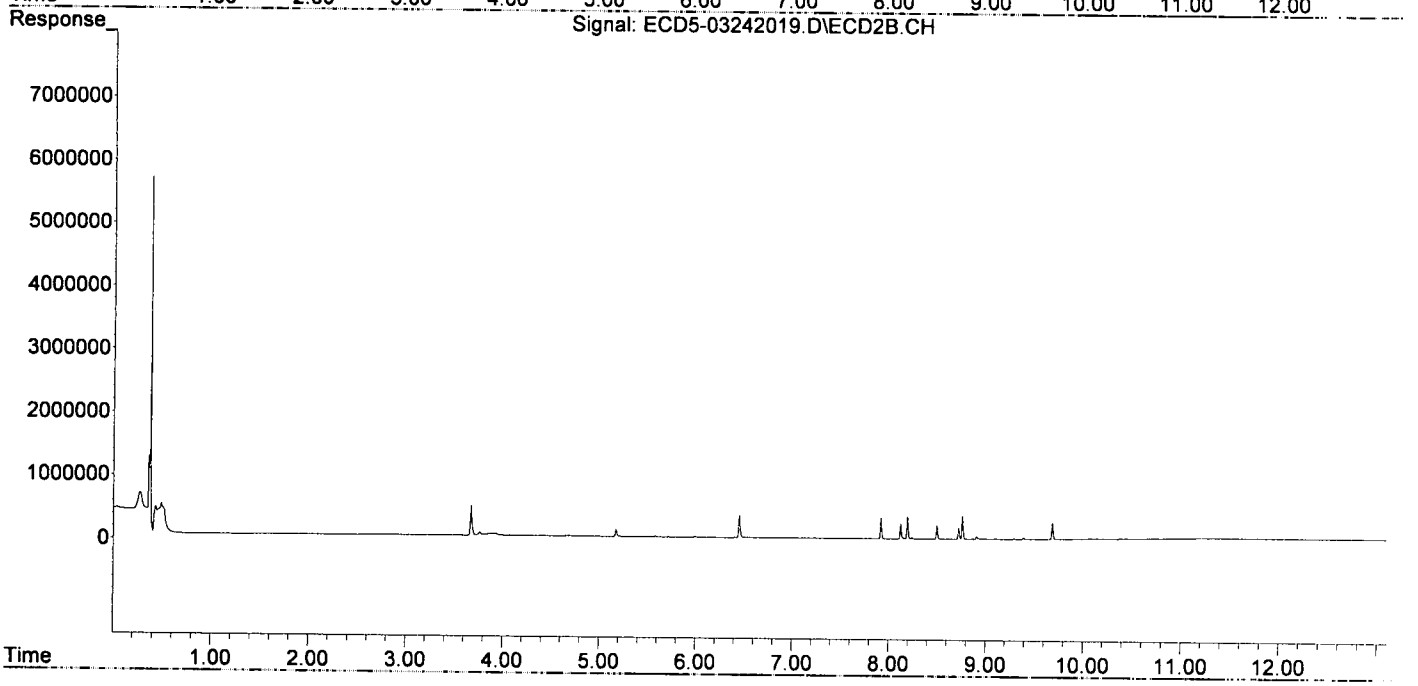
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:42
Operator : MJB
Sample : 0C24036-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:31
Operator : MJB
Sample : 0C24036-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

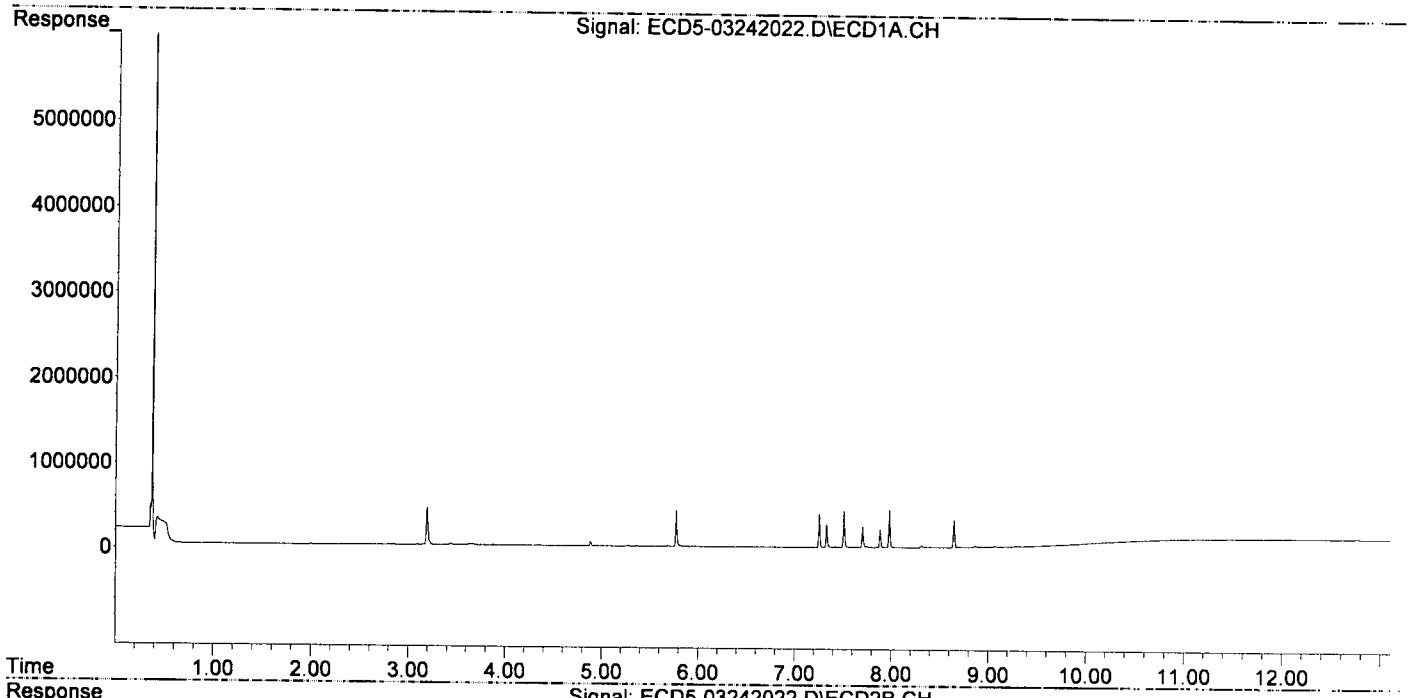
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.362f	5.993	8022	14770	0.042	0.052	
22)	S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.329	0.000	267207	0	1.304	N.D.	#
9)	trans-Chl...	7.420	8.125	7871	397498	0.038	1.312	#
10)	cis-Chlor...	7.508	8.239	423056	35651	2.066	0.123	#
11)	Endosulfa...	7.618	0.000	2441	0	0.013	N.D.	#
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	7.747f	8.498	14187	366090	0.067	1.231	#
14)	Endrin	7.979f	8.723	442808	293188	2.591	1.280	#
15)	4,4'-DDD	7.979f	8.761	442808	633230	2.709	2.632	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.401	0.000	4265	0	0.029	N.D.	#
19)	Endosulfa...	8.702	0.000	3683	0	0.022	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.864f	9.686	19367	416537	0.101	1.671	#
23)	Hexachlor...	3.191	3.673	439567	807666	2.079	2.031	
24)	Hexachlor...	5.771	6.452	419155	612934	2.046	1.974	
25)	Oxychlordane	7.253	7.920	386790	549047	2.035	1.991	
26)	2,4'-DDE	7.329	8.125	267207	397498	2.006	1.980	
27)	trans-Non...	7.508	8.194	423056	615457	1.997	2.026	
28)	2,4'-DDD	7.702	8.498	239865	366090	1.983	1.996	
29)	2,4'-DDT	7.882	8.723	208673	293188	1.899	1.918	
30)	cis-Nonac...	7.979	8.761	442808	633230	1.962	1.982	
31)	Mirex	8.646	9.686	323334	416537	2.069	2.019	
32)	Chlordane...	7.420	8.125	7871	397498	0.337	10.088	#
33)	Chlordane...	7.508	8.239	423056	35651	15.933	1.089	#
34)	Chlordane...	0.000	8.908	0	37709	N.D.	3.685	#
35)	Chlordane...	3.667f	3.673	10408	807666	NoCal	NoCal	
36)	Toxaphene...	7.508	8.498f	423056	366090	407.101	130.171	#
37)	Toxaphene...	7.747f	0.000	14187	0	5.110	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.310f	8.908	21851	37709	5.563	0.285	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.646	0.000	323334	0	80.719	N.D.	#
42)	Toxaphene...	3.667f	3.673	10408	807666	NoCal	NoCal	

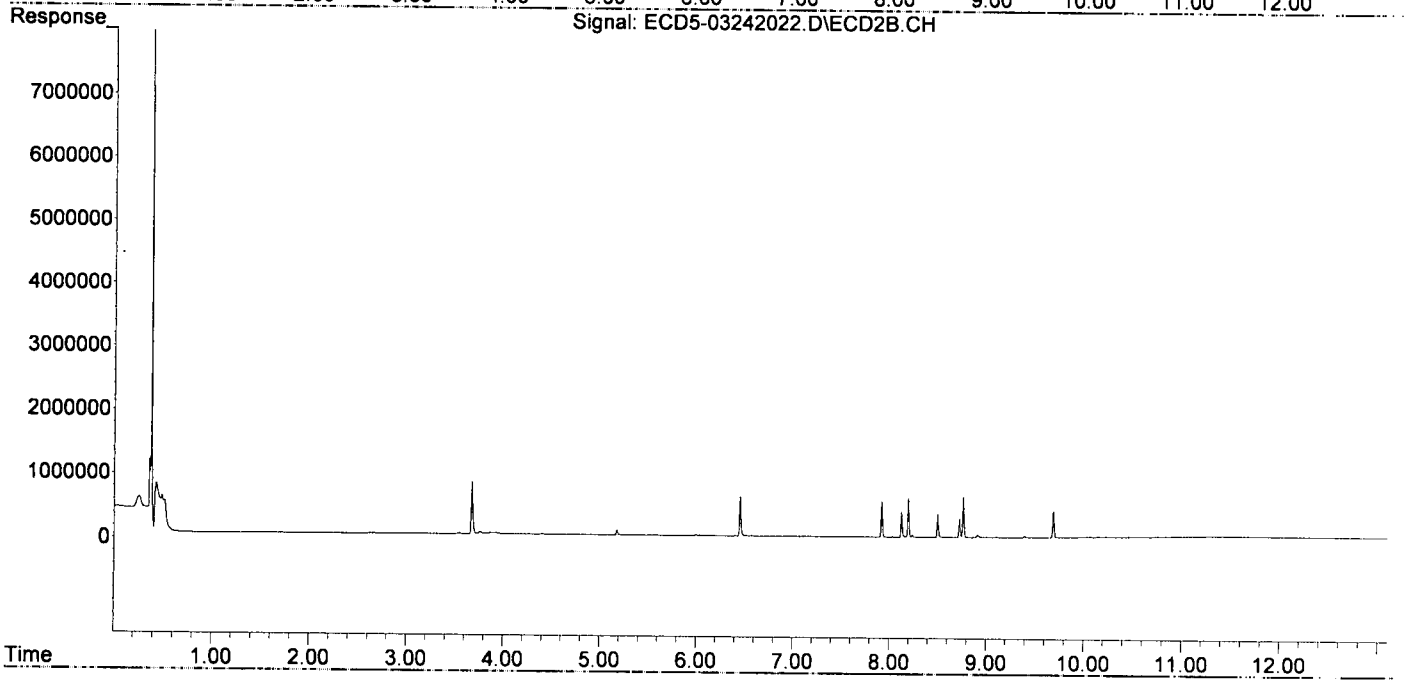
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:31
Operator : MJB
Sample : 0C24036-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:48
Operator : MJB
Sample : 0C24036-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:05 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

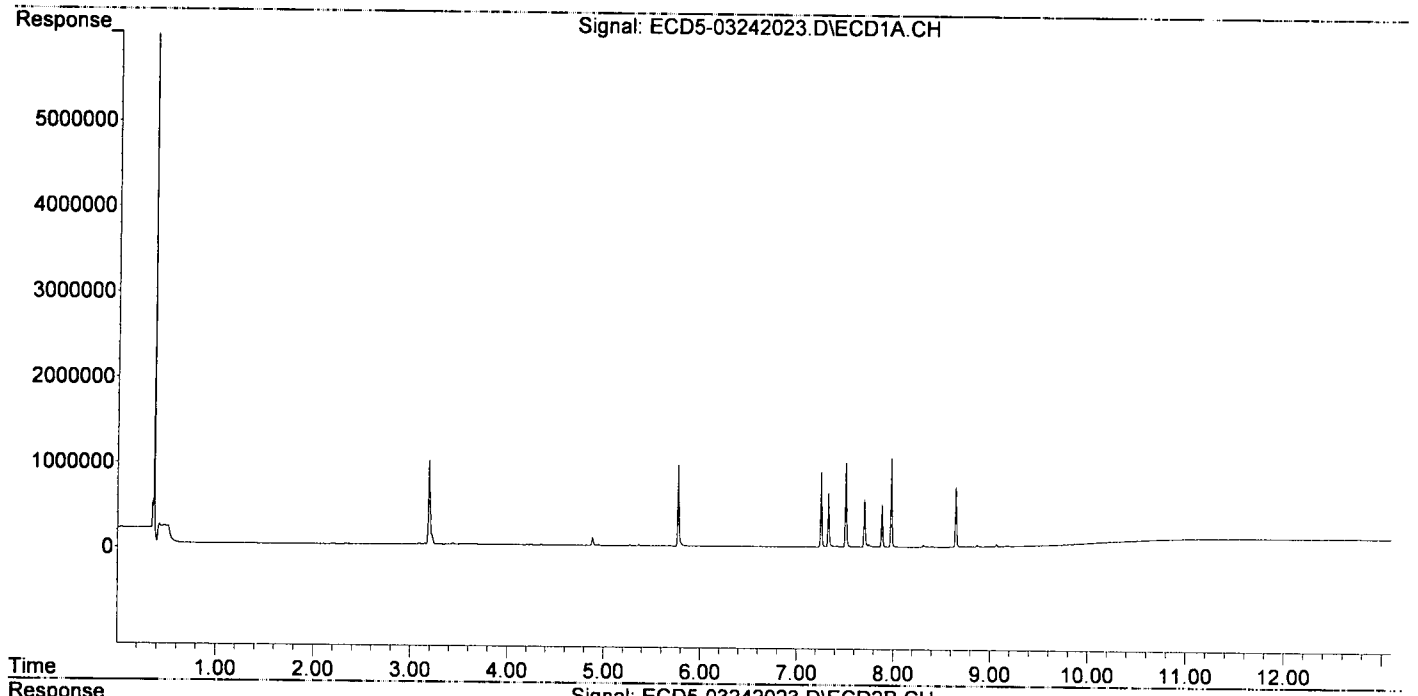
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.363f	5.993	17479	15876	0.090	0.056	#
22)	S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.622	7.286	3831	5604	0.017	0.017	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.567	0	8671	N.D.	0.027	#
8)	Heptachlo...	7.328	0.000	627099	0	3.060	N.D.	#
9)	trans-Chl...	7.420	8.124	17606	936012	0.084	3.090	#
10)	cis-Chlor...	7.508	8.239	981829	74865	4.794	0.258	#
11)	Endosulfa...	7.617	0.000	5471	0	0.028	N.D.	#
12)	4,4'-DDE	7.617f	0.000	5471	0	0.028	N.D.	#
13)	Dieldrin	7.747f	8.498	32212	847949	0.152	2.850	#
14)	Endrin	7.978f	8.722	1044308	709957	6.110	3.100	#
15)	4,4'-DDD	7.978f	8.761	1044308	1501113	6.390	6.239	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.403	0.000	3625	0	0.025	N.D.	#
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.864f	9.686	18921	917688	0.099	3.681	#
23)	Hexachlor...	3.191	3.674	985296	1888911	4.991	5.040	
24)	Hexachlor...	5.771	6.453	941551	1416782	4.940	4.871	
25)	Oxychlordane	7.253	7.920	875331	1273733	4.931	4.959	
26)	2,4'-DDE	7.328	8.124	627099	936012	4.991	4.938	
27)	trans-Non...	7.508	8.195	981829	1410113	4.975	4.938	
28)	2,4'-DDD	7.701	8.498	556778	847949	4.971	4.975	
29)	2,4'-DDT	7.883	8.722	500416	709957	4.821	4.879	
30)	cis-Nonac...	7.978	8.761	1044308	1501113	4.936	4.977	
31)	Mirex	8.645	9.686	702511	917688	4.970	4.975	
32)	Chlordane...	7.420	8.124	17606	936012	0.754	23.754	#
33)	Chlordane...	7.508	8.239	981829	74865	36.977	2.286	#
34)	Chlordane...	0.000	8.908	0	37450	N.D.	3.660	#
35)	Chlordane...	3.670f	3.674	9549	1888911	NoCal	NoCal	
36)	Toxaphene...	7.508	8.498f	981829	847949	944.801	301.505	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.311f	8.908	20934	37450	5.329	0.253	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.645	0.000	702511	0	175.378	N.D.	#
42)	Toxaphene...	3.670f	3.674	9549	1888911	NoCal	NoCal	

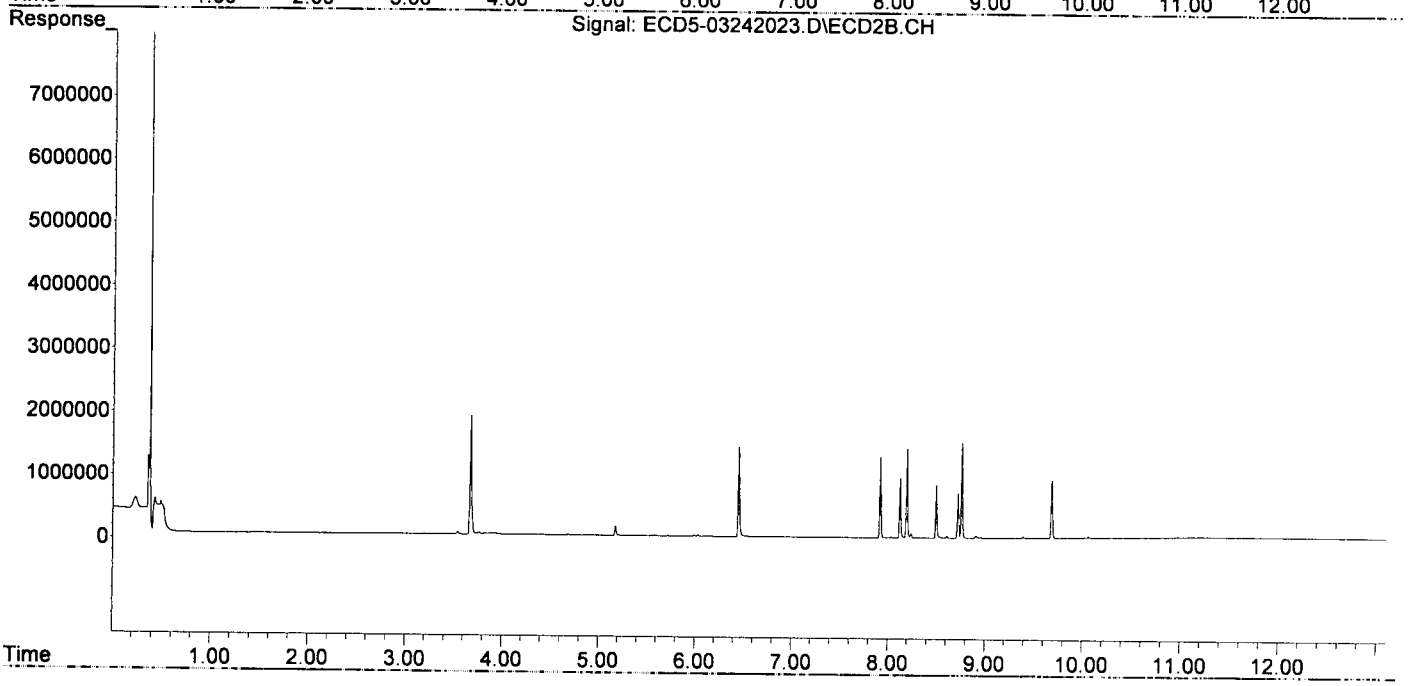
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:48
Operator : MJB
Sample : 0C24036-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:05 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:05
Operator : MJB
Sample : 0C24036-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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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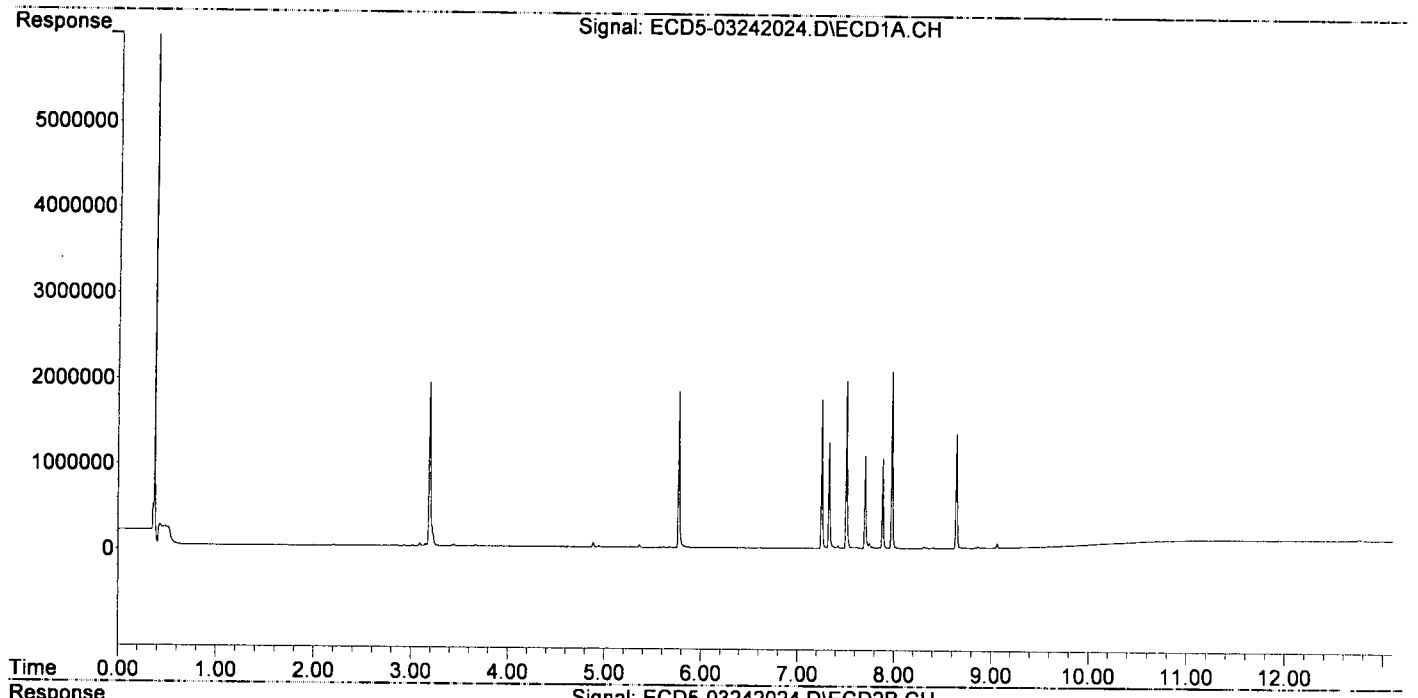
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.363f	5.993	32184	12890	0.167	0.045	#
22)	S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
		Target Compounds							
2)		a-BHC	5.926	0.000	3851	0	0.015	N.D.	#
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	6.622	7.287	6878	10274	0.031	0.031	
6)		d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)		Aldrin	0.000	7.568	0	9851	N.D.	0.030	#
8)		Heptachlo...	7.328	0.000	1237758	0	6.039	N.D.	#
9)		trans-Chl...	7.420	8.125	32671	1859258	0.157	6.137	#
10)		cis-Chlor...	7.508	8.239	1958355	138955	9.563	0.479	#
11)		Endosulfa...	7.617	8.304	12079	9101	0.062	0.033	#
12)		4,4'-DDE	7.617f	8.384f	12079	7384	0.061	0.026	#
13)		Dieldrin	7.747f	8.498	61272	1664096	0.288	5.593	#
14)		Endrin	7.979f	8.723	2056686	1455490	12.032	6.356	#
15)		4,4'-DDD	7.979f	8.762	2056686	2912480	12.584	12.104	
16)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)		4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)		Endrin Al...	8.407	0.000	4347	0	0.030	N.D.	#
19)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	8.864f	9.687	18780	1755471	0.098	7.041	#
23)		Hexachlor...	3.191	3.673	1913685	3659331	9.950	9.951	
24)		Hexachlor...	5.771	6.453	1821184	2829027	9.807	9.928	
25)		Oxychlordane	7.252	7.921	1728237	2482080	9.984	9.870	
26)		2,4'-DDE	7.328	8.125	1237758	1859258	10.043	9.966	
27)		trans-Non...	7.508	8.195	1958355	2785866	10.173	9.939	
28)		2,4'-DDD	7.701	8.498	1077430	1664096	9.871	9.984	
29)		2,4'-DDT	7.883	8.723	1038872	1455490	10.169	10.084	
30)		cis-Nonac...	7.979	8.762	2056686	2912480	9.934	9.808	
31)		Mirex	8.645	9.687	1334200	1755471	9.808	9.889	
32)		Chlordane...	7.420	8.125	32671	1859258	1.400	47.184	#
33)		Chlordane...	7.508	8.239	1958355	138955	73.754	4.243	#
34)		Chlordane...	0.000	8.909	0	34953	N.D.	3.416	#
35)		Chlordane...	3.670f	3.673	9389	3659331	NoCal	NoCal	
36)		Toxaphene...	7.508	8.498f	1958355	1664096	1884.499	591.703	#
37)		Toxaphene...	7.747f	0.000	61272	0	30.201	N.D.	#
38)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)		Toxaphene...	8.311f	8.909	20512	34953	5.222	BelowCal	#
40)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)		Toxaphene...	8.645	0.000	1334200	0	333.076	N.D.	#
42)		Toxaphene...	3.670f	3.673	9389	3659331	NoCal	NoCal	

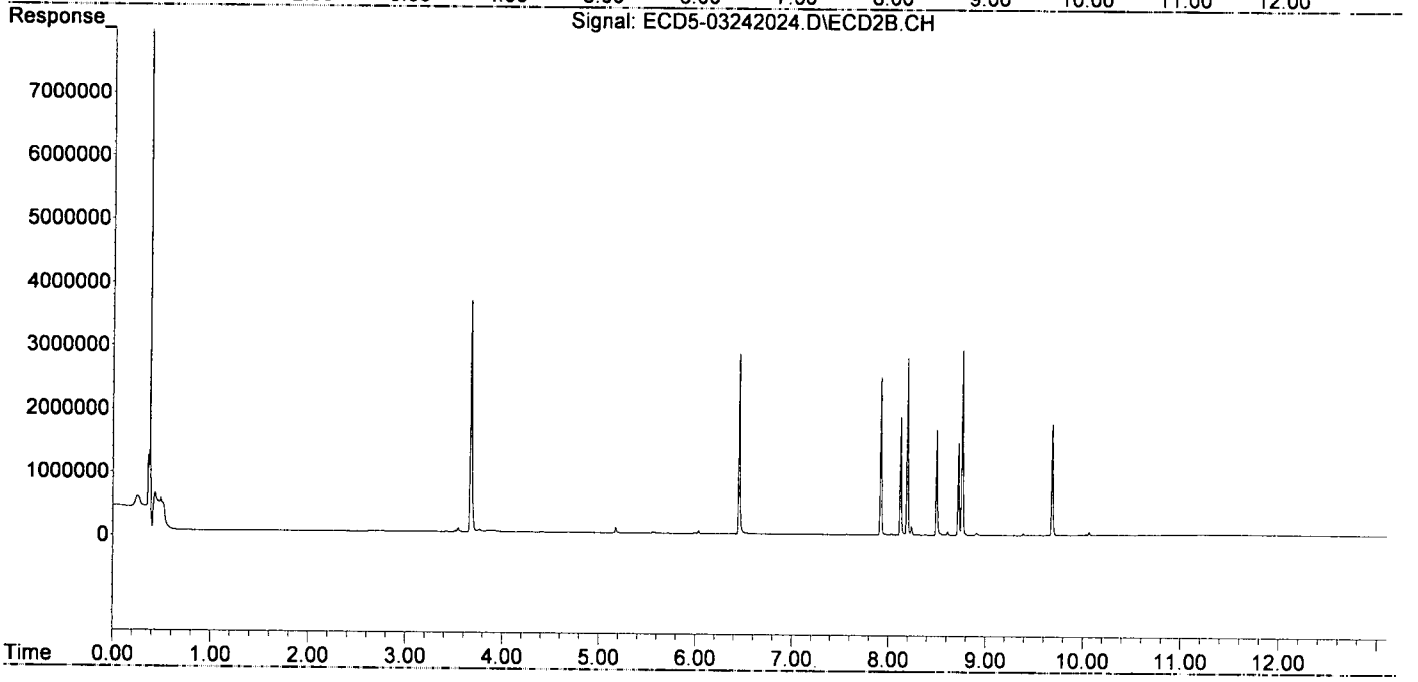
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:05
Operator : MJB
Sample : 0C24036-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:22
Operator : MJB
Sample : 0C24036-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 3/25/20

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

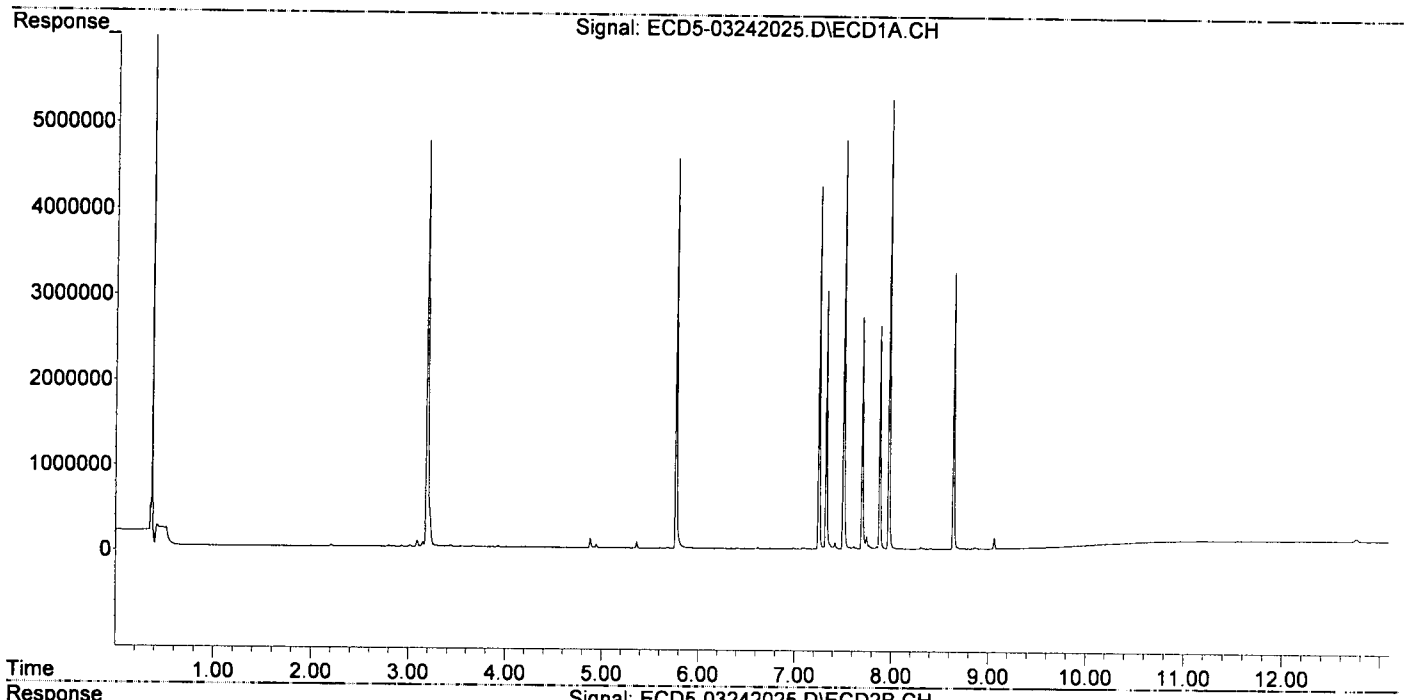
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.362f	5.992	72419	14491	0.375	0.051	#
22) S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	5.921	0.000	7550	0	0.029	N.D.	#
3)	g-BHC	6.187f	0.000	5230	0	0.023	N.D.	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.621	7.286	15568	20608	0.070	0.061	
6)	d-BHC	6.403f	0.000	5534	0	0.028	N.D.	#
7)	Aldrin	0.000	7.568	0	9066	N.D.	0.028	#
8)	Heptachlo...	7.327	0.000	3019471	0	14.733	N.D.	#
9)	trans-Chl...	7.419	8.124	70960	4614869	0.340	15.233	#
10)	cis-Chlor...	7.508	8.238	4770432	310760	23.295	1.071	#
11)	Endosulfa...	7.616	8.303	34081	22883	0.176	0.084	#
12)	4,4'-DDE	7.616f	8.382f	34081	18316	0.173	0.064	#
13)	Dieldrin	7.747f	8.498	136247	4129897	0.641	13.881	#
14)	Endrin	7.978f	8.722	5255936	3726920	30.749	16.276	#
15)	4,4'-DDD	7.978f	8.761	5255936	7435646	32.160	30.903	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.409	9.106	8369	4565	0.057	0.022	#
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.864f	9.686	18352	4337194	0.096	17.396	#
23)	Hexachlor...	3.192	3.674	4744416	9164447	25.096	25.093	
24)	Hexachlor...	5.771	6.453	4553836	7208518	24.881	25.357	
25)	Oxychlordane	7.252	7.920	4237766	6370353	24.840	25.367	
26)	2,4'-DDE	7.327	8.124	3019471	4614869	24.685	24.676	
27)	trans-Non...	7.508	8.195	4770432	6929319	25.099	24.709	
28)	2,4'-DDD	7.700	8.498	2695196	4129897	25.018	24.853	
29)	2,4'-DDT	7.882	8.722	2624036	3726920	25.583	25.294	
30)	cis-Nonac...	7.978	8.761	5255936	7435646	25.646	24.976	
31)	Mirex	8.645	9.686	3230934	4337194	24.384	24.823	
32)	Chlordane...	7.419	8.124	70960	4614869	3.040	117.116	#
33)	Chlordane...	7.508	8.238	4770432	310760	179.661	9.489	#
34)	Chlordane...	0.000	8.908	0	33938	N.D.	3.316	#
35)	Chlordane...	3.678f	3.674	10371	9164447	NoCal	NoCal	
36)	Toxaphene...	7.508	8.498f	4770432	4129897	4590.524	1468.467	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.368f	8.908	3285	33938	0.836	BelowCal	#
40)	Toxaphene...	0.000	9.106	0	4565	N.D.	0.924	#
41)	Toxaphene...	8.645	0.000	3230934	0	806.585	N.D.	#
42)	Toxaphene...	3.678	3.674	10371	9164447	NoCal	NoCal	

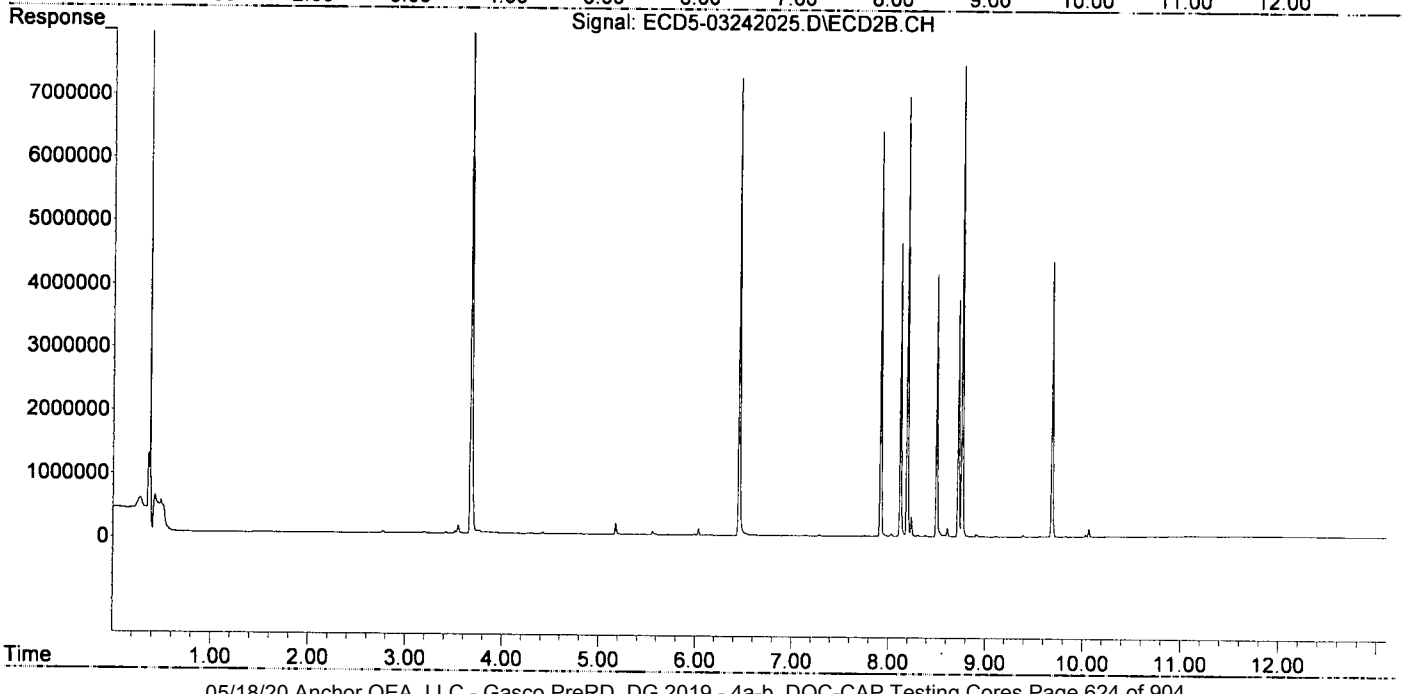
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:22
Operator : MJB
Sample : 0C24036-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:40
Operator : MJB
Sample : 0C24036-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:34 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 3/26/20

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

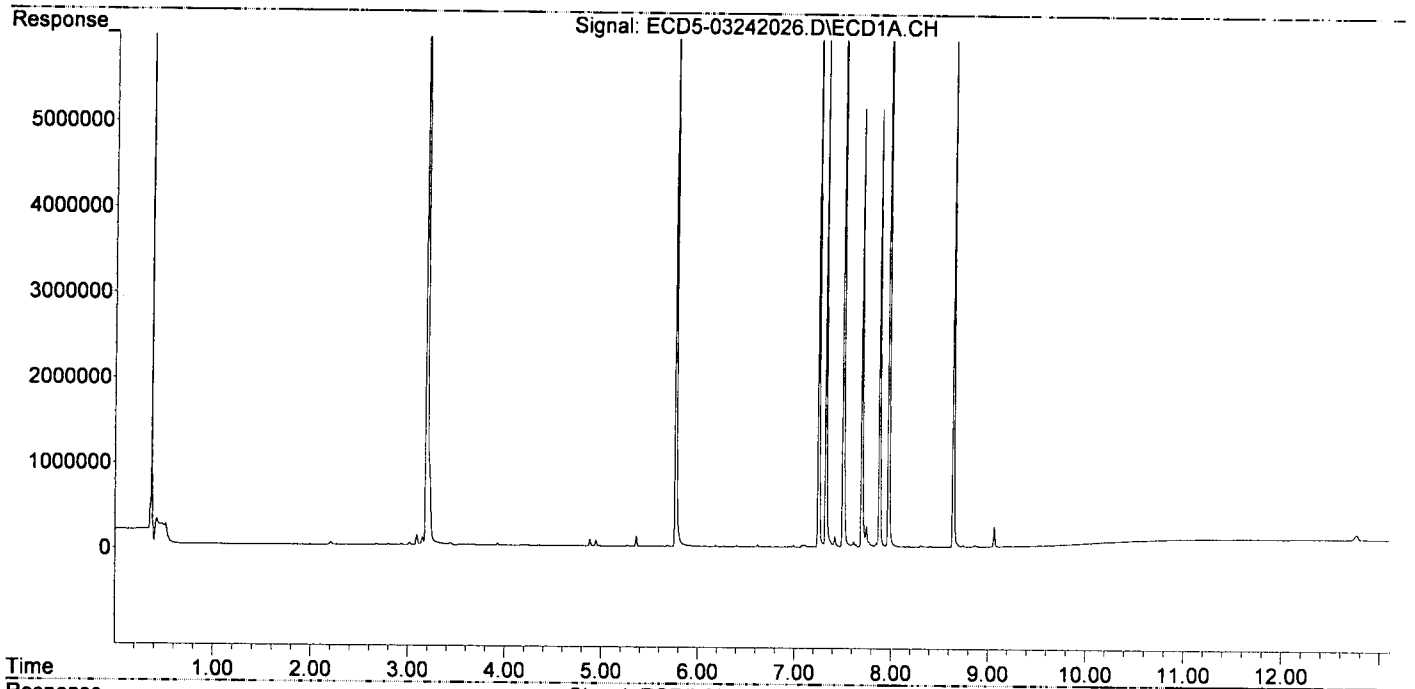
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.362f	5.992	126744	15305	0.656	0.054	#
22) S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.186f	6.951f	15015	7341	0.066	0.021	#
4)	b-BHC	6.271	6.951f	4564	7341	0.048	0.049	
5)	Heptachlor	6.621	7.286	27538	42010	0.124	0.125	
6)	d-BHC	6.404f	7.235	16347	6564	0.084	0.020	#
7)	Aldrin	6.825f	0.000	3414	0	0.015	N.D.	#
8)	Heptachlo...	7.327	0.000	5911849	0	28.845	N.D.	#
9)	trans-Chl...	7.419	8.124	127586	9372906	0.612	30.939	#
10)	cis-Chlor...	7.507	8.239	8939479	562539	43.653	1.939	#
11)	Endosulfa...	7.615	8.303	67500	42084	0.349	0.155	#
12)	4,4'-DDE	7.615f	8.381f	67500	45870	0.342	0.160	#
13)	Dieldrin	7.746f	8.497	247363	8137483	1.164	27.352	#
14)	Endrin	7.978f	8.722	9928726	7779036	58.086	33.972	#
15)	4,4'-DDD	7.978f	8.761	9928726	14832084	60.752	61.642	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.197	8.973	7213	3196	0.041	0.074	#
18)	Endrin Al...	8.410	9.108	11723	7923	0.080	0.038	#
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.866f	9.687	17624	8504353	0.092	34.110	#
23)	Hexachlor...	3.192	3.674	8717391	17439815	46.425	47.503	
24)	Hexachlor...	5.771	6.452	8762097	14203483	47.959	49.260	
25)	Oxychlordane	7.251	7.920	8147960	12143579	47.956	47.581	
26)	2,4'-DDE	7.327	8.124	5911849	9372906	48.156	49.109	
27)	trans-Non...	7.507	8.194	8939479	13836076	47.116	48.432	
28)	2,4'-DDD	7.700	8.497	5120535	8137483	47.517	48.229	/
29)	2,4'-DDT	7.882	8.722	5109282	7779036	48.838	50.404	
30)	cis-Nonac...	7.978	8.761	9928726	14832084	48.383	48.834	
31)	Mirex	8.645	9.687	6214207	8504353	47.463	48.294	
32)	Chlordane...	7.419	8.124	127586	9372906	5.466	237.866	#
33)	Chlordane...	7.507	8.239	8939479	562539	336.674	17.177	#
34)	Chlordane...	0.000	8.909	0	32194	N.D.	3.146	#
35)	Chlordane...	3.680f	3.674	12859	17439815	NoCal	NoCal	
36)	Toxaphene...	7.507	8.497f	8939479	8137483	8602.344	2893.444	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.366f	8.909	4376	32194	1.114	BelowCal	#
40)	Toxaphene...	0.000	9.108	0	7923	N.D.	1.603	#
41)	Toxaphene...	8.645	0.000	6214207	0	1551.342	N.D.	#
42)	Toxaphene...	3.680	3.674	12859	17439815	NoCal	NoCal	

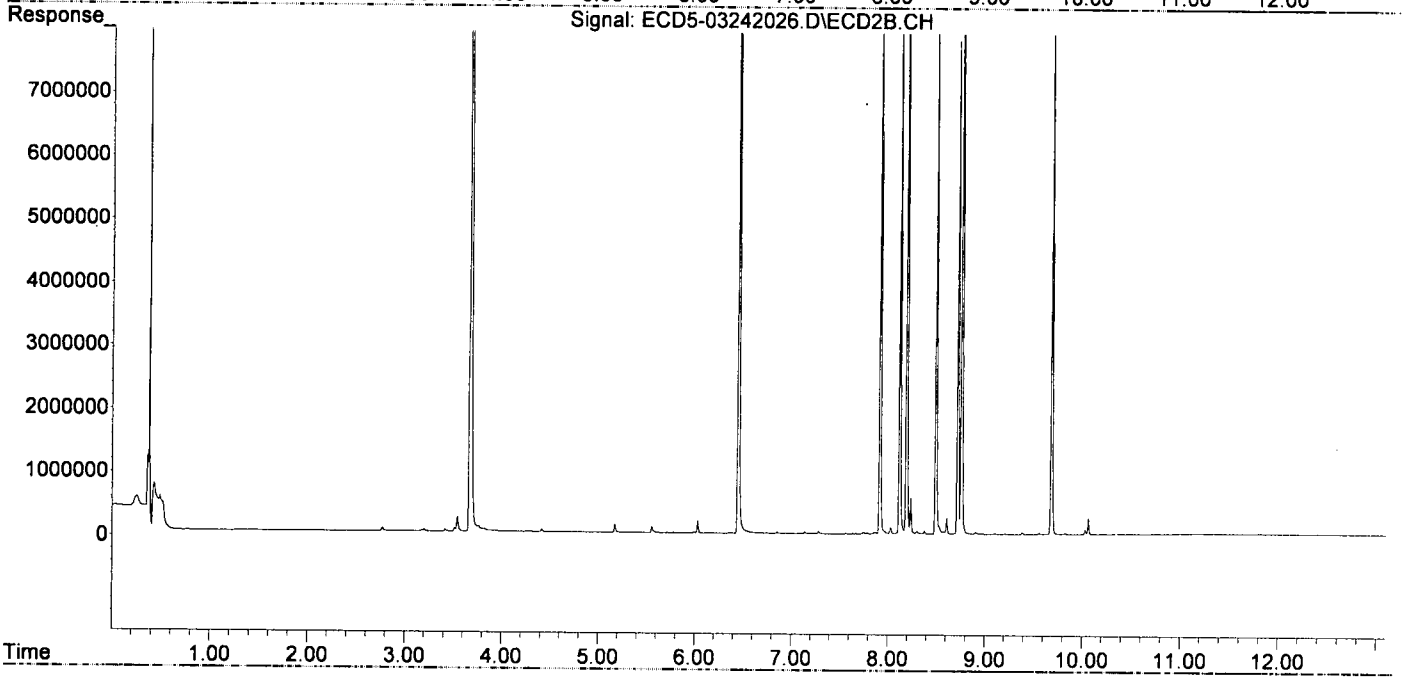
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:40
Operator : MJB
Sample : 0C24036-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:34 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:57
Operator : MJB
Sample : 0C24036-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

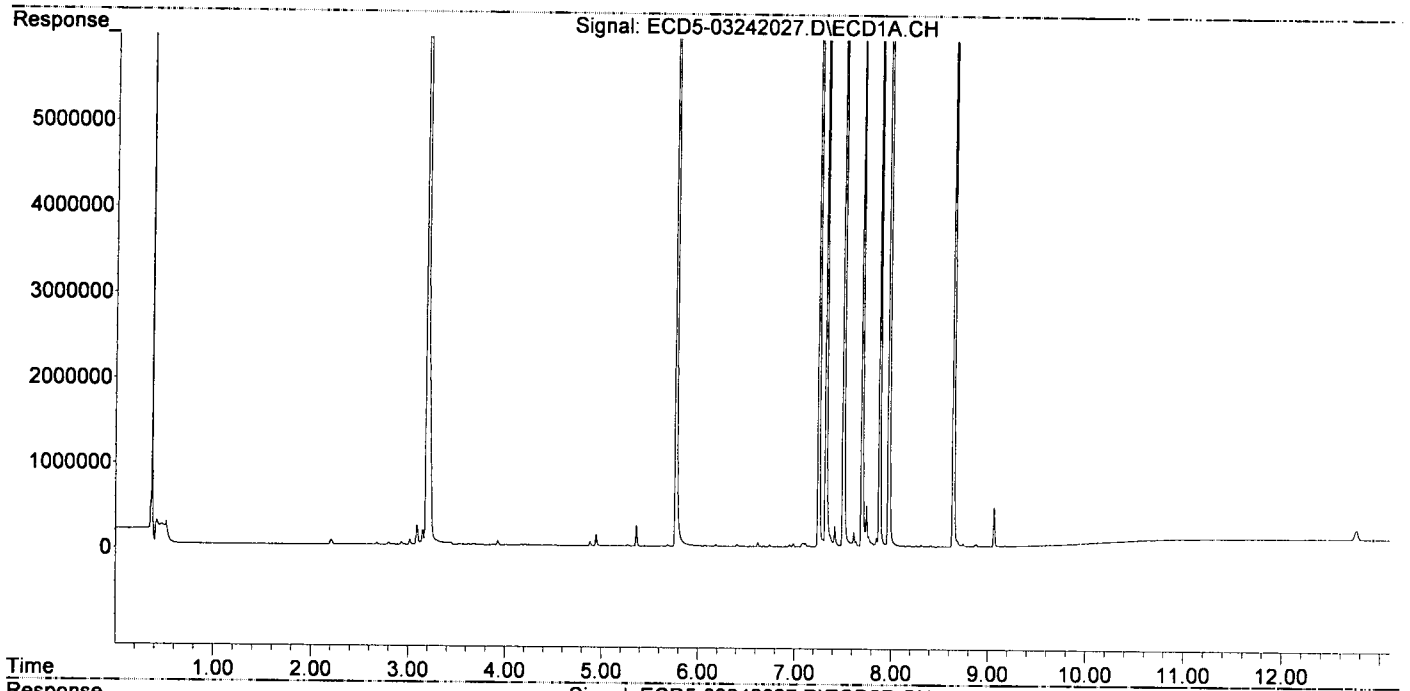
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.361f	5.992	244597	11148	1.266	0.039	#
22)	S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.185f	6.950f	25655	11043	0.112	0.031	#
4)	b-BHC	6.269	6.950f	7120	11043	0.074	0.074	
5)	Heptachlor	6.620	7.285	52914	80516	0.238	0.240	
6)	d-BHC	6.469f	7.245	4718	16583	0.024	0.051	#
7)	Aldrin	6.824f	7.566	5656	10794	0.025	0.033	#
8)	Heptachlo...	7.325	8.032f	12225211	174006	59.650	0.585	#
9)	trans-Chl...	7.418	8.124	245170	19878326	1.176	65.616	#
10)	cis-Chlor...	7.506	8.238	18723508	1075831	91.430	3.708	#
11)	Endosulfa...	7.615	8.302	168828	71292	0.873	0.262	#
12)	4,4'-DDE	7.615f	8.381f	168828	92472	0.857	0.323	#
13)	Dieldrin	0.000	8.497	0	17265269	N.D.	58.032	#
14)	Endrin	7.977f	8.722	20132492	16635506	117.782	72.650	#
15)	4,4'-DDD	7.977f	8.761	20132492	32441279	123.187	134.827	
16)	Endosulfa...	8.130f	0.000	15468	0	0.092	N.D.	#
17)	4,4'-DDT	8.196	8.986	15102	16727	0.106	0.158	#
18)	Endrin Al...	8.410	9.107	19478	19918	0.133	0.096	#
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	9.431f	0	5604	N.D.	BelowCal	
21)	Endrin Ke...	8.881	9.685	24927	17899644	0.131	71.794	#
23)	Hexachlor...	3.192	3.675	18064617	36344688	96.936	97.226	
24)	Hexachlor...	5.771	6.453	18187492	30307668	99.067	101.273	
25)	Oxychlordane	7.251	7.920	16565674	26490641	97.581	99.283	
26)	2,4'-DDE	7.325	8.124	12225211	19878326	98.177	99.404	
27)	trans-Non...	7.506	8.194	18723508	29872500	98.268	99.854	
28)	2,4'-DDD	7.698	8.497	10853795	17265269	99.747	98.328	
29)	2,4'-DDT	7.881	8.722	10947370	16635506	99.784	98.718	
30)	cis-Nonac...	7.977	8.761	20132492	32441279	97.196	101.680	
31)	Mirex	8.644	9.685	12396853	17899644	95.899	98.671	
32)	Chlordane...	7.418	8.124	245170	19878326	10.503	504.473	#
33)	Chlordane...	7.506	8.238	18723508	1075831	705.155	32.851	#
34)	Chlordane...	0.000	8.908	0	35256	N.D.	3.445	#
35)	Chlordane...	3.681f	3.675	13875	36344688	NoCal	NoCal	
36)	Toxaphene...	7.506	8.497f	18723508	17265269	18017.387	6139.009	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.130f	0.000	15468	0	3.794	N.D.	#
39)	Toxaphene...	8.365f	8.908	7329	35256	1.866	BelowCal	#
40)	Toxaphene...	0.000	9.107	0	19918	N.D.	4.031	#
41)	Toxaphene...	8.644	0.000	12396853	0	3094.805	N.D.	#
42)	Toxaphene...	3.681	3.675	13875	36344688	NoCal	NoCal	

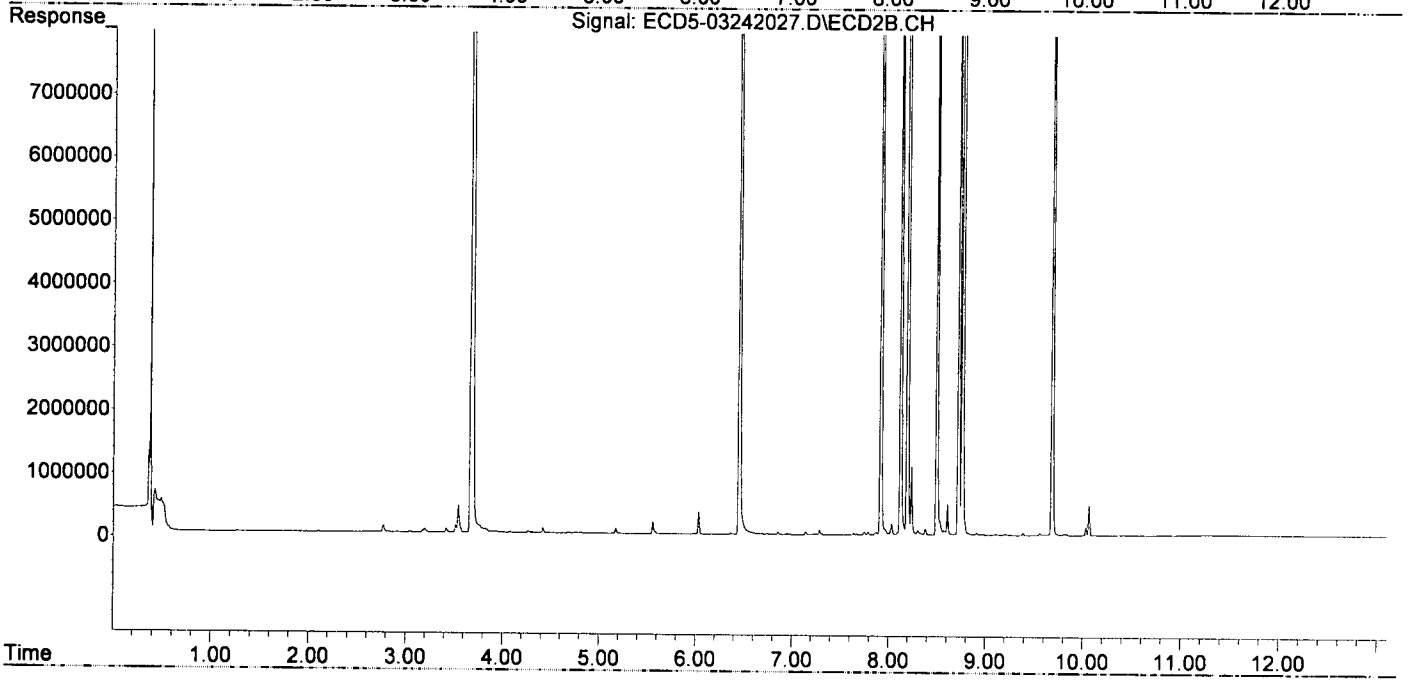
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:57
Operator : MJB
Sample : 0C24036-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:14
Operator : MJB
Sample : 0C24036-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:54 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

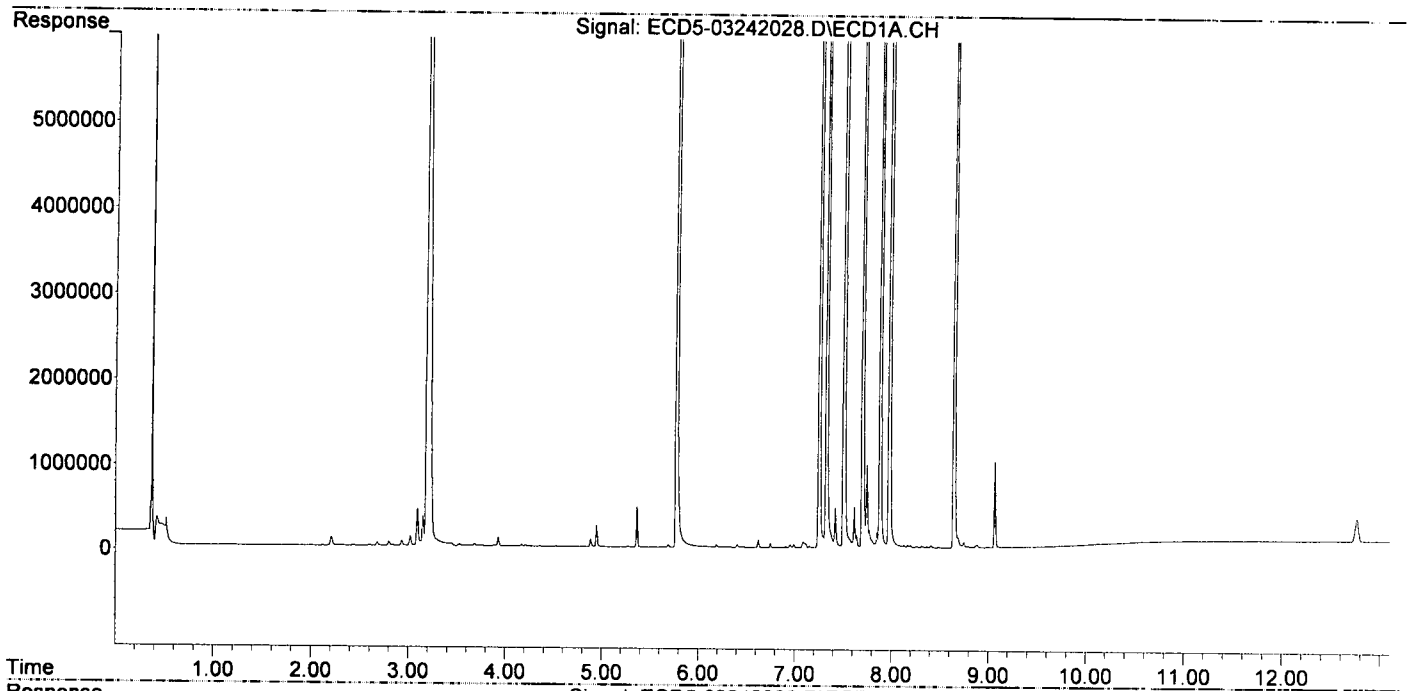
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.364f	5.993	478296	14010	2.476	0.049	#
22)	S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	6.188f	6.951f	30187	10630	0.132	0.030	#
4)		b-BHC	6.271	6.951f	9923	10630	0.104	0.071	#
5)		Heptachlor	6.622	7.287	94742	143116	0.425	0.427	
6)		d-BHC	6.470f	7.236	6325	13608	0.032	0.042	#
7)		Aldrin	6.825f	7.525f	6647	6135	0.030	0.019	#
8)		Heptachlo...	7.327	7.971f	26192823	133881	127.802	0.450	#
9)		trans-Chl...	7.419	8.126	474195	44139561	2.275	145.700	#
10)		cis-Chlor...	7.508	8.240	39413197	2110993	192.461	7.275	#
11)		Endosulfa...	7.616	8.306	483118	99616	2.499	0.367	#
12)		4,4'-DDE	7.616f	8.352	483118	57197	2.451	0.200	#
13)		Dieldrin	7.747f	8.499	966004	38695112	4.547	130.062	#
14)		Endrin	7.979f	8.724	43205725	39877306	252.768	174.150	#
15)		4,4'-DDD	7.979f	8.764	43205725	69542726	264.368	289.021	
16)		Endosulfa...	8.131f	0.000	30154	0	0.180	N.D.	#
17)		4,4'-DDT	8.198	8.989	31539	34595	0.241	0.269	
18)		Endrin Al...	8.412	9.110	28269	36570	0.193	0.176	
19)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)		Methoxychlor	0.000	9.434f	0	11579	N.D.	0.055	#
21)		Endrin Ke...	8.883	9.689	35335	39265298	0.185	157.490	#
23)		Hexachlor...	3.194	3.677	38064732	79746950	206.623	204.641	
24)		Hexachlor...	5.773	6.456	37823227	63963904	203.093	199.341	
25)		Oxychlordane	7.253	7.922	34818494	58878835	204.557	202.311	
26)		2,4'-DDE	7.327	8.126	26192823	44139561	203.575	201.466	
27)		trans-Non...	7.508	8.197	39413197	65896047	204.164	201.589	
28)		2,4'-DDD	7.700	8.499	22566425	38695112	202.610	202.945	
29)		2,4'-DDT	7.883	8.724	24102499	39877306	200.670	200.576	
30)		cis-Nonac...	7.979	8.764	43205725	69542726	203.673	199.615	
31)		Mirex	8.647	9.689	26254813	39265298	207.651	202.772	
32)		Chlordane...	7.419	8.126	474195	44139561	20.315	1120.175	#
33)		Chlordane...	7.508	8.240	39413197	2110993	1484.358	64.460	#
34)		Chlordane...	0.000	8.908	0	37569	N.D.	3.671	#
35)		Chlordane...	3.717	3.677	12199	79746950	NoCal	NoCal	
36)		Toxaphene...	7.508	8.499f	39413197	38695112	37926.805	13758.815	#
37)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)		Toxaphene...	8.131f	0.000	30154	0	7.397	N.D.	#
39)		Toxaphene...	8.367f	8.908	13020	37569	3.315	0.268	#
40)		Toxaphene...	0.000	9.110	0	36570	N.D.	7.400	#
41)		Toxaphene...	8.647	0.000	26254813	0	6554.367	N.D.	#
42)		Toxaphene...	3.684	3.677	31072	79746950	NoCal	NoCal	

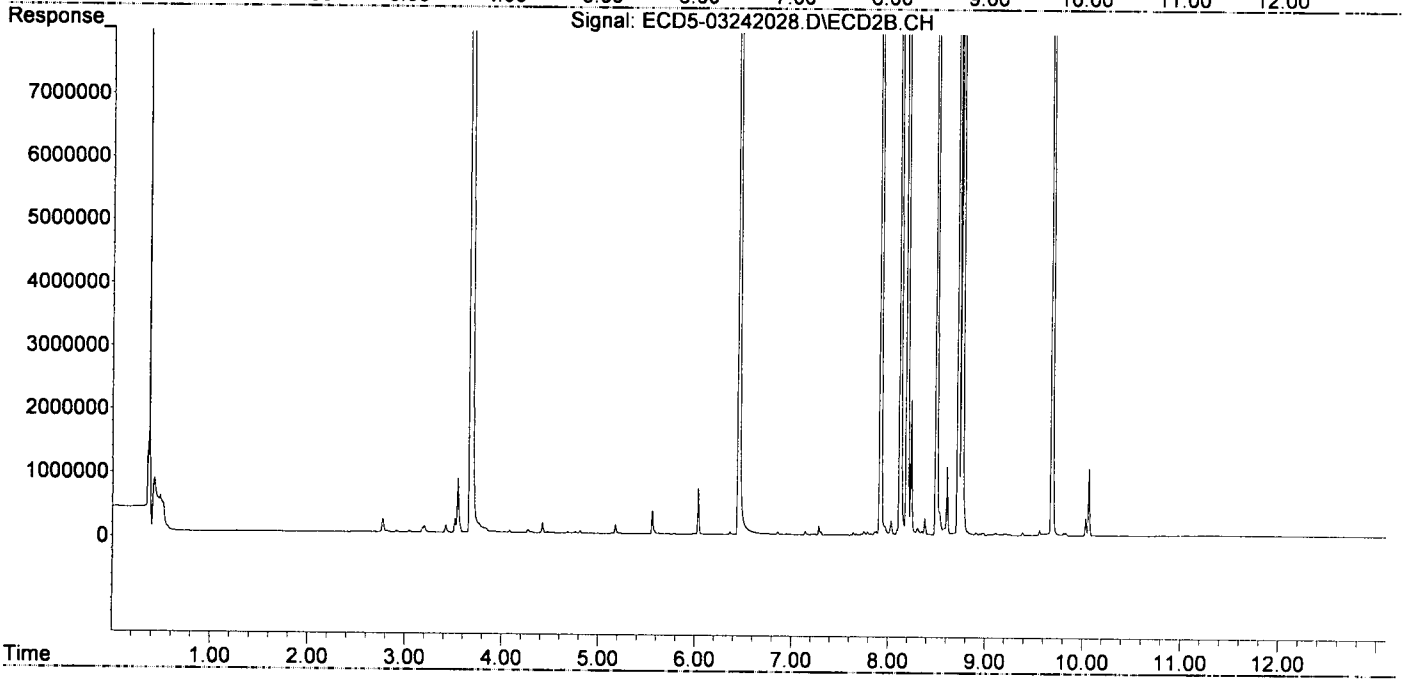
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:14
Operator : MJB
Sample : 0C24036-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:58:54 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:05
Operator : MJB
Sample : 0C24036-CALJ
Misc : A20C400, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:00:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

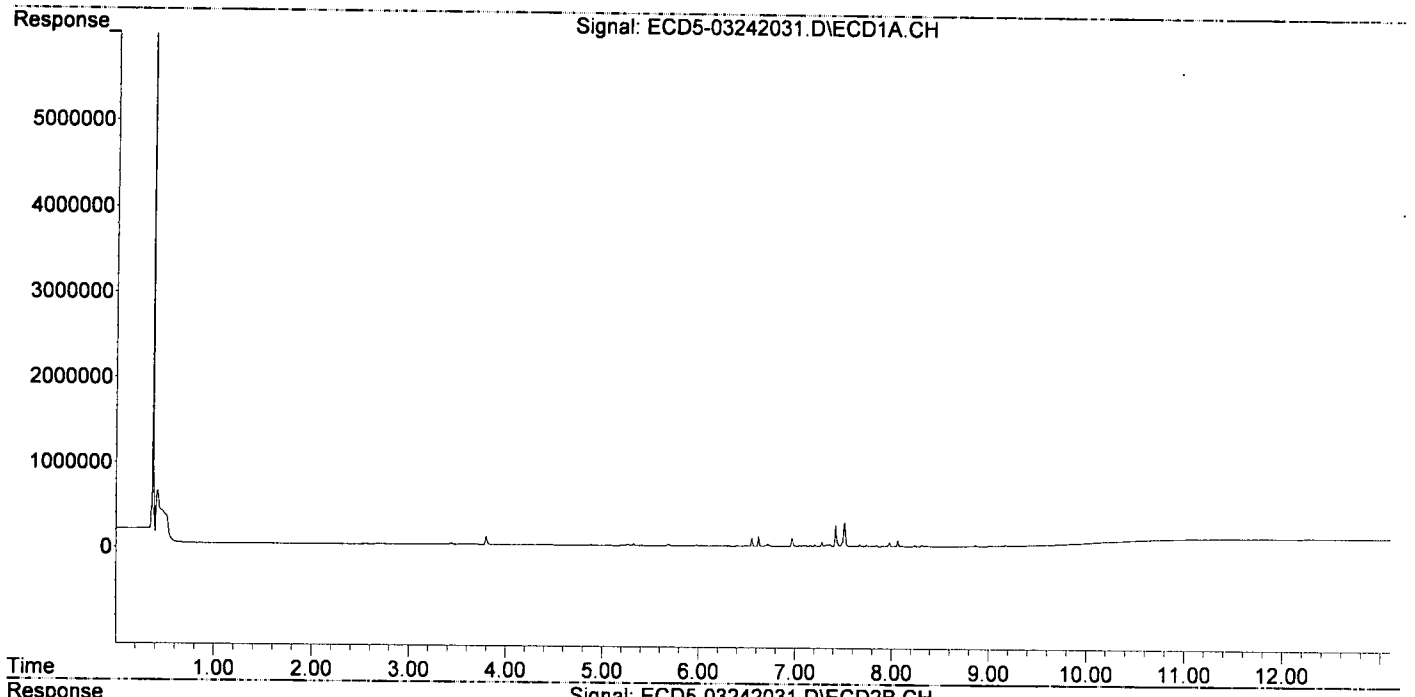
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.993	0	32756	N.D.	0.115	#
22)	S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
		Target Compounds							
2)		a-BHC	0.000	6.619f	0	11445	N.D.	0.028	#
3)		g-BHC	6.183f	0.000	7294	0	0.032	N.D.	#
4)		b-BHC	6.262f	7.013f	3959	16018	0.041	0.107	#
5)		Heptachlor	6.621	7.285	116748	181833	0.524	0.543	
6)		d-BHC	6.402f	0.000	9962	0	0.051	N.D.	#
7)		Aldrin	0.000	7.521f	0	7640	N.D.	0.023	#
8)		Heptachlo...	7.332	8.011	21913	8950	0.107	0.030	#
9)		trans-Chl...	7.420	8.130	246826	385659	1.184	1.273	
10)		cis-Chlor...	7.513	8.238	282652	341698	1.380	1.178	
11)		Endosulfa...	7.633	0.000	6797	0	0.035	N.D.	#
12)		4,4'-DDE	7.573	8.335	8297	7014	0.042	0.024	#
13)		Dieldrin	7.800	8.491	8756	16806	0.041	0.056	#
14)		Endrin	7.978f	8.715	52606	6875	0.308	0.030	#
15)		4,4'-DDD	7.978f	8.762	52606	76428	0.322	0.318	
16)		Endosulfa...	8.112	8.852	4946	5605	0.030	0.023	
17)		4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)		Endrin Al...	8.364f	9.133f	5645	19087	0.039	0.092	#
19)		Endosulfa...	8.704	0.000	3199	0	0.019	N.D.	#
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	8.865f	9.683	13212	10528	0.069	0.042	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)		Oxychlordane	7.247	7.958f	3950	84421	BelowCal	0.079	
26)		2,4'-DDE	7.332	8.130	21913	385659	BelowCal	1.915	
27)		trans-Non...	7.513	8.194	282652	299212	1.248	0.862	#
28)		2,4'-DDD	7.669f	8.491	22057	16806	BelowCal	BelowCal	
29)		2,4'-DDT	7.910f	8.715	5649	6875	BelowCal	BelowCal	
30)		cis-Nonac...	7.978	8.762	52606	76428	0.030	0.051	#
31)		Mirex	0.000	9.683	0	10528	N.D.	BelowCal	
32)		Chlordane...	7.420	8.130	246826	385659	10.574	9.787	
33)		Chlordane...	7.513	8.238	282652	341698	10.645	10.434	
34)		Chlordane...	8.063	8.902	75022	111290	10.320	10.875	
35)		Chlordane...	3.670f	0.000	7205	0	NoCal	N.D.	
36)		Toxaphene...	7.513	8.491f	282652	16806	271.992	5.976	#
37)		Toxaphene...	7.800	8.818	8756	10106	2.221	2.828	#
38)		Toxaphene...	8.112	8.852	4946	5605	1.213	1.004	
39)		Toxaphene...	8.364f	8.902	5645	111290	1.437	9.322	#
40)		Toxaphene...	0.000	9.133f	0	19087	N.D.	3.863	#
41)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)		Toxaphene...	3.670f	0.000	7205	0	NoCal	N.D.	

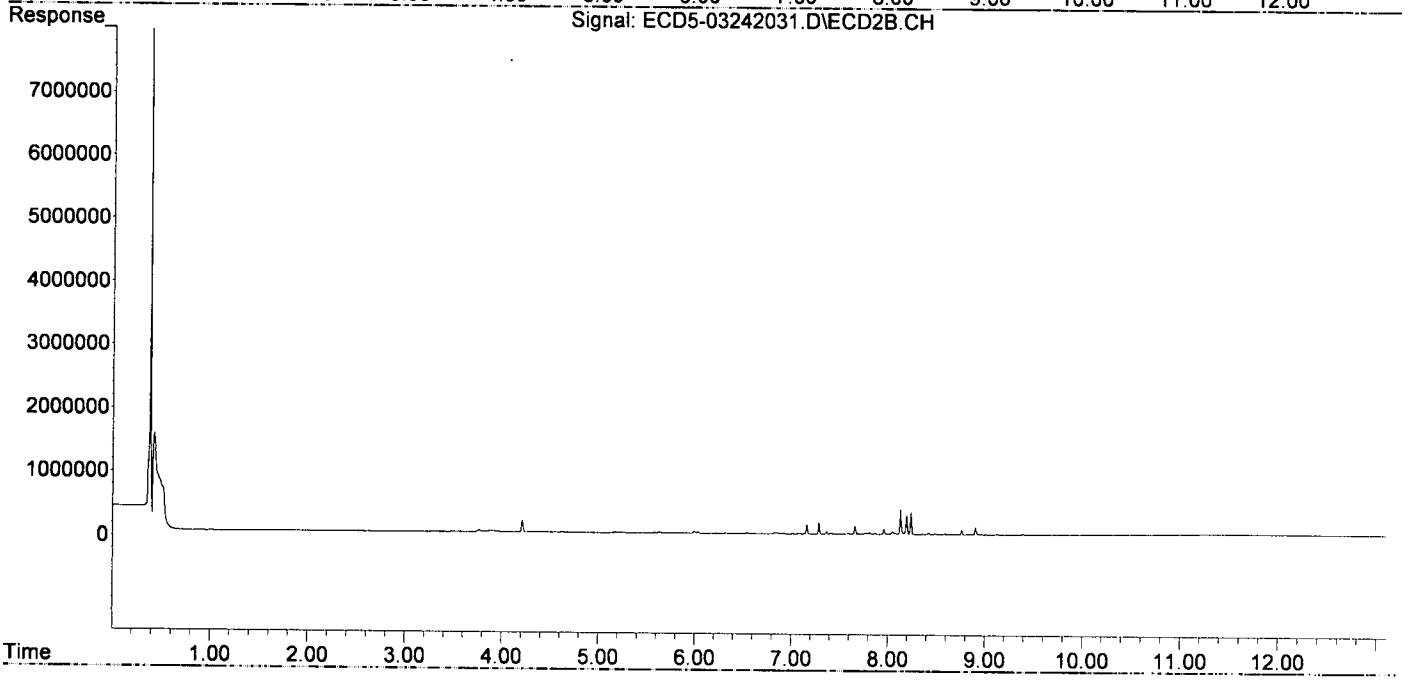
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:05
Operator : MJB
Sample : 0C24036-CALJ
Misc : A20C400, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:00:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:22
Operator : MJB
Sample : 0C24036-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:00:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

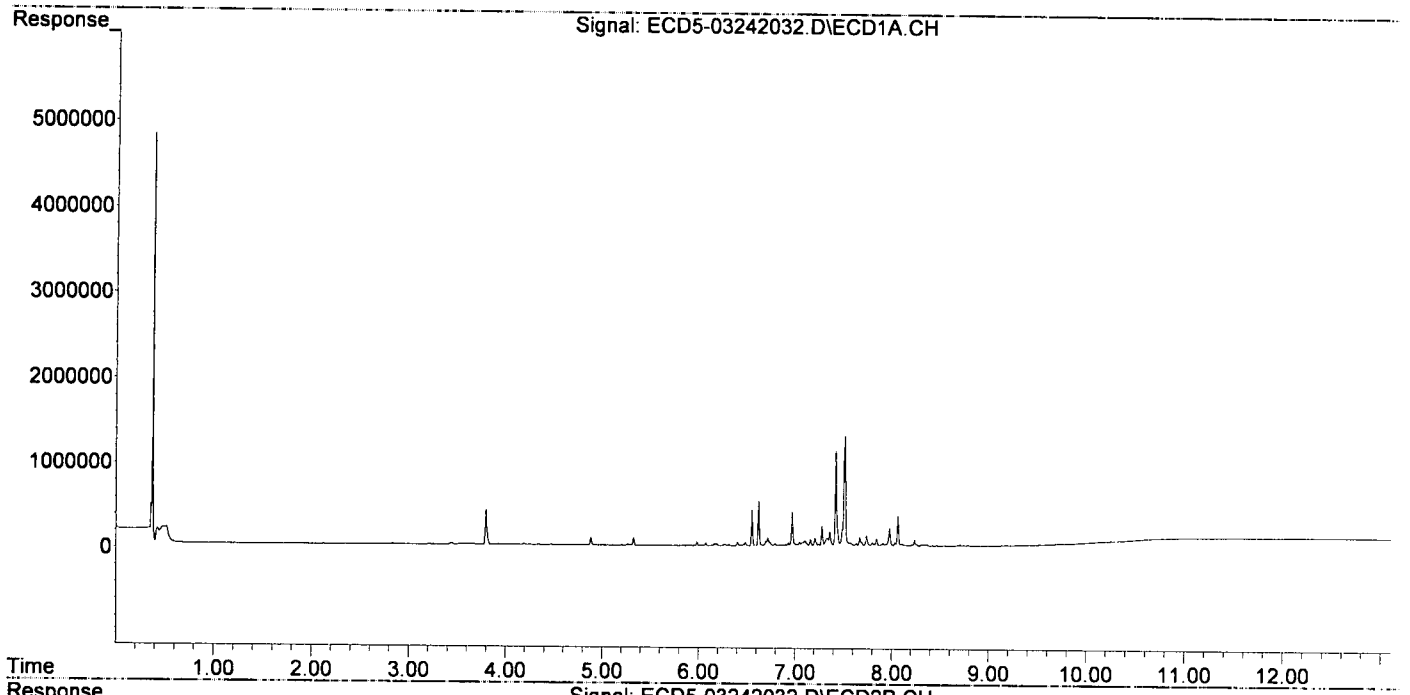
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.991	0	12009	N.D.	0.042	#
22)	S	DCBP (S)	9.597	0.000	3323	0	BelowCal	N.D.	
		Target Compounds							
2)		a-BHC	0.000	6.619f	0	48137	N.D.	0.119	#
3)		g-BHC	6.184f	6.919	23959	23722	0.105	0.067	#
4)		b-BHC	6.262f	7.013f	18071	71117	0.189	0.474	#
5)		Heptachlor	6.621	7.285	521681	784144	2.342	2.340	
6)		d-BHC	6.430	0.000	10612	0	0.054	N.D.	#
7)		Aldrin	6.868	7.520f	7912	27473	0.036	0.084	#
8)		Heptachlo...	7.333	8.009	94017	49091	0.459	0.165	#
9)		trans-Chl...	7.420	8.131	1102563	1787615	5.289	5.901	
10)		cis-Chlor...	7.513	8.238	1304898	1475380	6.372	5.084	
11)		Endosulfa...	7.633	8.308	32842	21558	0.170	0.079	#
12)		4,4'-DDE	7.573	8.334	39654	45943	0.201	0.160	
13)		Dieldrin	7.800	8.491	43139	115473	0.203	0.388	#
14)		Endrin	7.978f	8.714	209243	41287	1.224	0.180	#
15)		4,4'-DDD	7.978f	8.761	209243	305662	1.280	1.270	
16)		Endosulfa...	8.112	8.876	25119	32969	0.150	0.137	
17)		4,4'-DDT	0.000	8.970	0	35247	N.D.	0.273	#
18)		Endrin Al...	8.422f	9.133f	6826	110366	0.047	0.531	#
19)		Endosulfa...	8.704	9.322f	16850	9524	0.102	0.042	#
20)		Methoxychlor	8.521	0.000	5212	0	BelowCal	N.D.	
21)		Endrin Ke...	8.889	9.692	2079	19938	0.011	0.080	#
23)		Hexachlor...	3.211	0.000	8067	0	11064.665	N.D.	#
24)		Hexachlor...	0.000	6.472	0	7827	N.D.	BelowCal	
25)		Oxychlordane	7.247	7.933	22936	25695	BelowCal	BelowCal	
26)		2,4'-DDE	7.333	8.131	94017	1787615	0.568	9.578	#
27)		trans-Non...	7.513	8.194	1304898	1339860	6.695	4.681	#
28)		2,4'-DDD	7.669f	8.491	100594	115473	0.669	0.440	#
29)		2,4'-DDT	7.910f	8.714	31944	41287	0.120	0.111	
30)		cis-Nonac...	7.978	8.761	209243	305662	0.805	0.847	
31)		Mirex	0.000	9.692	0	19938	N.D.	BelowCal	
32)		Chlordane...	7.420	8.131	1102563	1787615	47.235	45.366	
33)		Chlordane...	7.513	8.238	1304898	1475380	49.144	45.052	
34)		Chlordane...	8.063	8.902	352851	474158	48.538	46.335	
35)		Chlordane...	3.669f	0.000	8128	0	NoCal	N.D.	
36)		Toxaphene...	7.513	8.491f	1304898	115473	1255.686	41.059	#
37)		Toxaphene...	7.800	8.817	43139	49914	20.529	13.965	#
38)		Toxaphene...	8.112	8.852	25119	43660	6.162	7.819	#
39)		Toxaphene...	8.339	8.902	19354	474158	4.927	53.722	#
40)		Toxaphene...	8.547f	9.133f	6082	110366	1.983	22.334	#
41)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)		Toxaphene...	3.669f	0.000	8128	0	NoCal	N.D.	

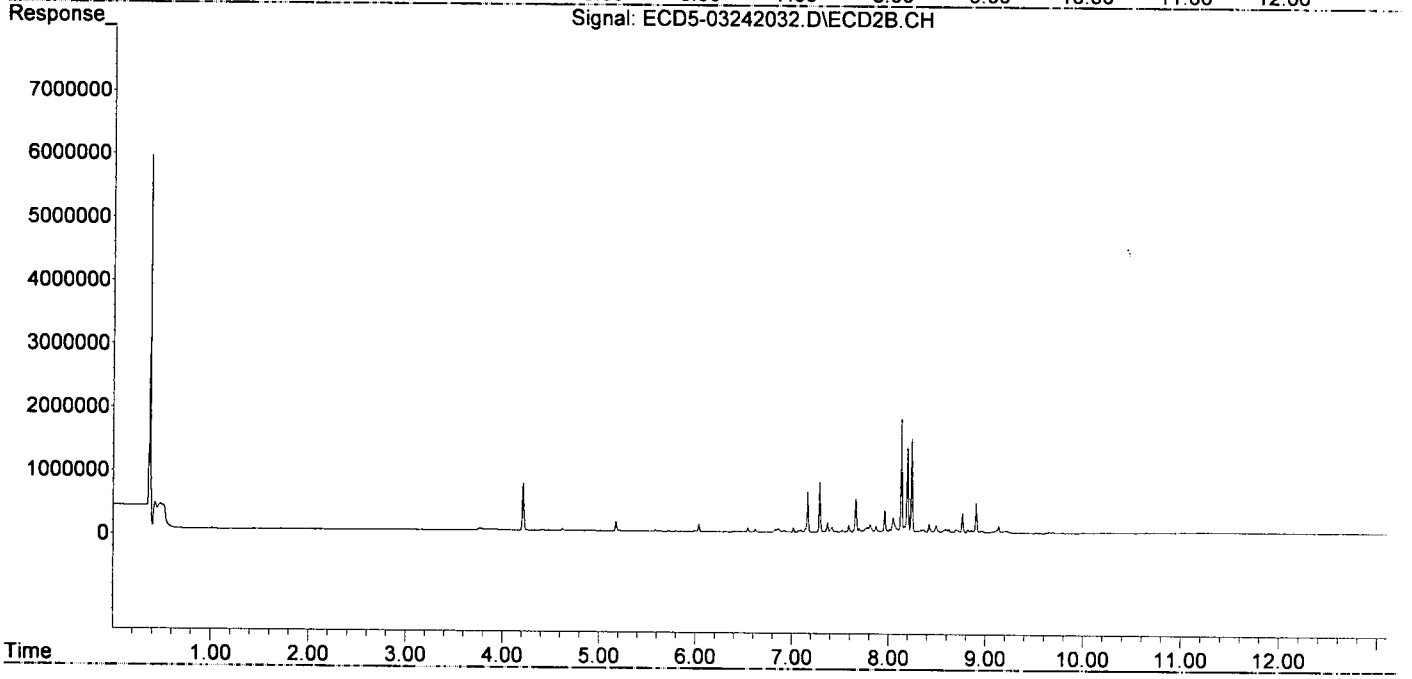
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:22
Operator : MJB
Sample : 0C24036-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:00:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:39
Operator : MJB
Sample : 0C24036-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:01:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 3/25/20

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

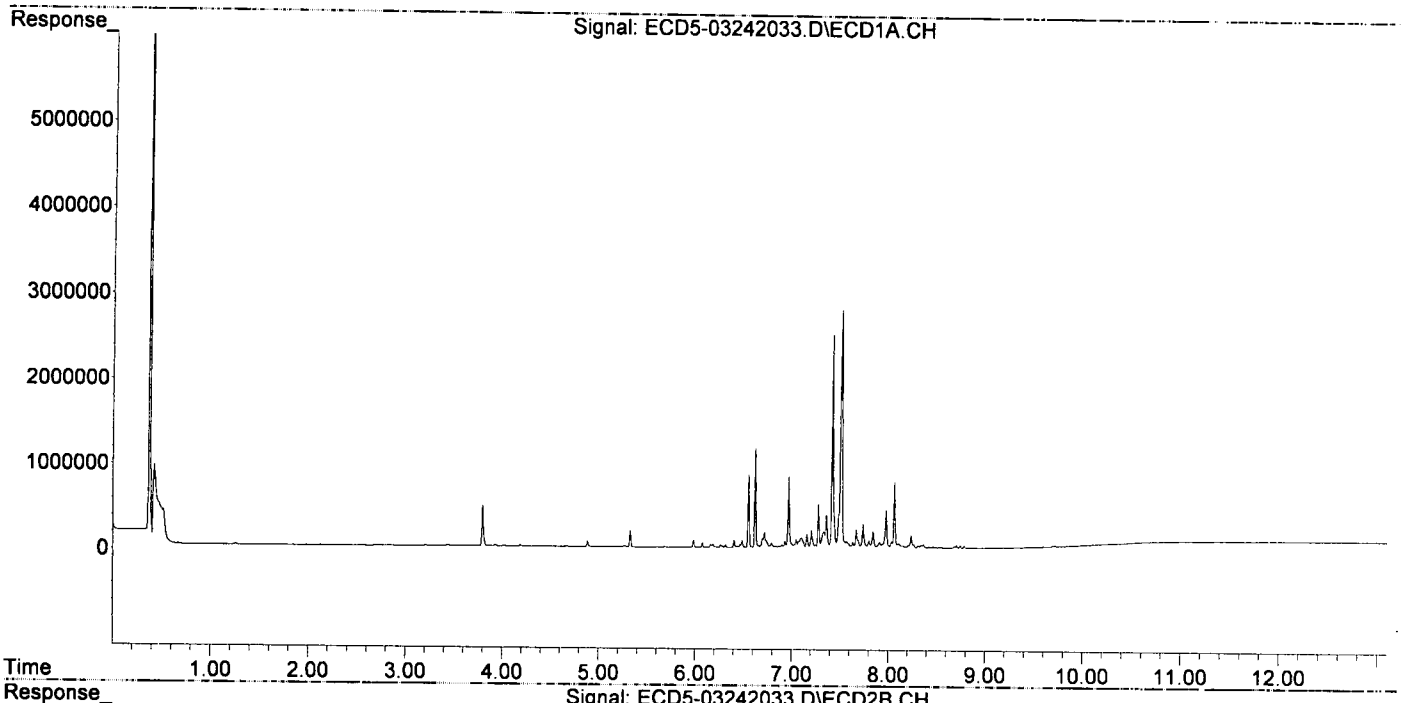
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.991	0	14380	N.D.	0.050	#
22)	S	DCBP (S)	9.598	0.000	4832	0	BelowCal	N.D.	
		Target Compounds							
2)		a-BHC	5.921	6.619f	4450	96369	0.017	0.238	#
3)		g-BHC	6.184f	6.919	39631	52321	0.173	0.148	
4)		b-BHC	6.262f	7.013f	36897	148392	0.386	0.989	#
5)		Heptachlor	6.621	7.286	1161537	1797847	5.214	5.364	
6)		d-BHC	6.403f	0.000	92291	0	0.473	N.D.	#
7)		Aldrin	6.868	7.521f	18149	78765	0.082	0.242	#
8)		Heptachlo...	7.332	8.010	194480	116761	0.949	0.392	#
9)		trans-Chl...	7.419	8.131	2486496	4070319	11.928	13.436	
10)		cis-Chlor...	7.513	8.239	2775023	3328222	13.551	11.470	
11)		Endosulfa...	7.633	8.310	71349	63733	0.369	0.235	#
12)		4,4'-DDE	7.572	8.335	82315	103794	0.418	0.362	
13)		Dieldrin	7.800	8.491	90386	285920	0.425	0.961	#
14)		Endrin	7.978f	8.734	449524	49825	2.630	0.218	#
15)		4,4'-DDD	7.978f	8.762	449524	664912	2.751	2.763	
16)		Endosulfa...	8.113	8.877	54959	79974	0.328	0.333	
17)		4,4'-DDT	0.000	8.998	0	27999	N.D.	0.228	#
18)		Endrin Al...	8.422f	9.073f	15567	19250	0.106	0.093	
19)		Endosulfa...	8.705	9.323f	35887	17431	0.218	0.077	#
20)		Methoxychlor	8.522	9.432f	13456	6053	0.035	BelowCal	#
21)		Endrin Ke...	8.888	9.693	4497	38333	0.024	0.154	#
23)		Hexachlor...	3.212f	3.692	8481	9401	11064.663	BelowCal	#
24)		Hexachlor...	5.762	6.471	3735	10489	BelowCal	BelowCal	
25)		Oxychlordane	7.246	7.933	39344	69611	BelowCal	0.018	
26)		2,4'-DDE	7.332	8.131	194480	4070319	1.402	21.804	#
27)		trans-Non...	7.513	8.194	2775023	3014245	14.514	10.765	#
28)		2,4'-DDD	7.669f	8.491	215305	285920	1.752	1.499	
29)		2,4'-DDT	7.910f	8.734	71202	49825	0.515	0.173	#
30)		cis-Nonac...	7.978	8.762	449524	664912	1.995	2.092	
31)		Mirex	8.683f	9.693	21925	38333	5765.190	BelowCal	#
32)		Chlordane...	7.419	8.131	2486496	4070319	106.524	103.297	
33)		Chlordane...	7.513	8.239	2775023	3328222	104.511	101.629	
34)		Chlordane...	8.063	8.902	770343	1039600	105.967	101.591	
35)		Chlordane...	3.671f	3.692	7947	9401	NoCal	NoCal	
36)		Toxaphene...	7.513	8.491f	2775023	285920	2670.368	101.665	#
37)		Toxaphene...	7.800	8.817	90386	113932	45.753	31.877	#
38)		Toxaphene...	8.113	8.853	54959	97072	13.482	17.385	#
39)		Toxaphene...	8.341	8.902	38999	1039600	9.928	122.370	#
40)		Toxaphene...	8.547f	9.073f	14604	19250	4.761	3.896	
41)		Toxaphene...	8.606f	0.000	4539	0	1.133	N.D.	#
42)		Toxaphene...	3.671f	3.692	7947	9401	NoCal	NoCal	

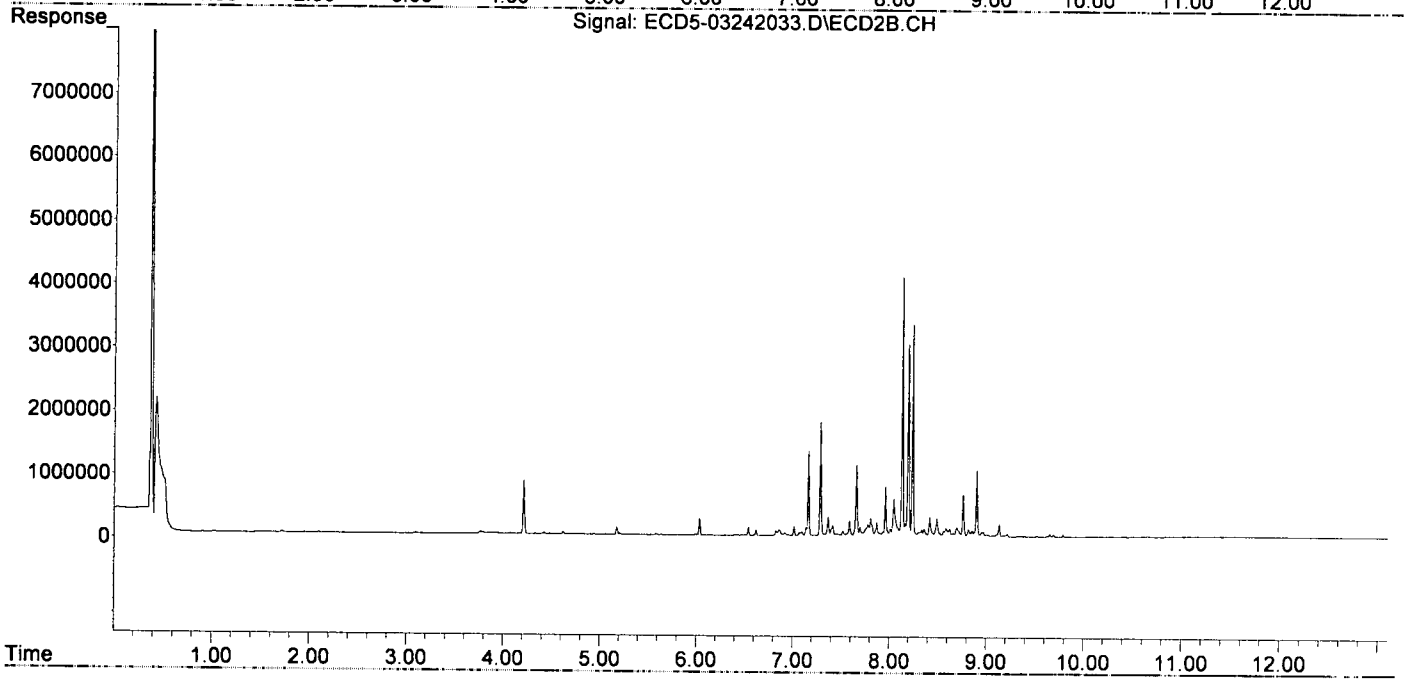
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:39
Operator : MJB
Sample : 0C24036-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:01:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:56
Operator : MJB
Sample : 0C24036-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:01:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

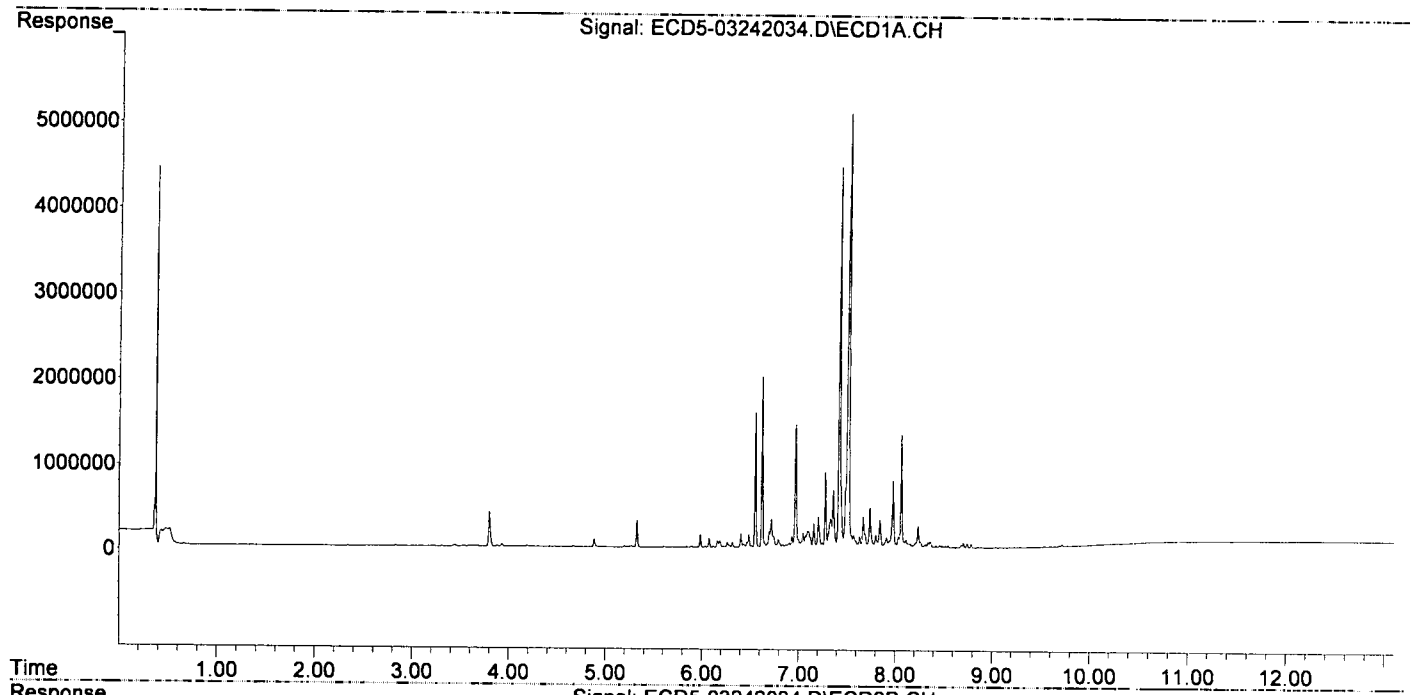
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.993	0	10984	N.D.	0.038	#
22)	S	DCBP (S)	9.601	0.000	8353	0	BelowCal	N.D.	
		Target Compounds							
2)		a-BHC	5.896f	6.621f	9612	157744	0.037	0.389	#
3)		g-BHC	6.186f	6.921	80119	85909	0.350	0.243	#
4)		b-BHC	6.263f	7.015f	64146	250595	0.670	1.670	#
5)		Heptachlor	6.623	7.287	1982494	3134837	8.899	9.354	
6)		d-BHC	6.431	7.220	43753	26304	0.224	0.081	#
7)		Aldrin	6.870	7.522f	33299	128799	0.150	0.395	#
8)		Heptachlo...	7.334	8.012	344392	193279	1.680	0.649	#
9)		trans-Chl...	7.421	8.132	4452138	7358273	21.357	24.289	
10)		cis-Chlor...	7.514	8.241	5100975	6135095	24.909	21.143	
11)		Endosulfa...	7.635f	8.312f	128505	103836	0.665	0.382	#
12)		4,4'-DDE	7.574	8.336	146598	178671	0.744	0.624	
13)		Dieldrin	7.802	8.493	156776	489911	0.738	1.647	#
14)		Endrin	7.979f	8.716	778810	157685	4.556	0.689	#
15)		4,4'-DDD	7.979	8.763	778810	1156468	4.765	4.806	
16)		Endosulfa...	8.115	8.855	96437	151655	0.576	0.632	
17)		4,4'-DDT	0.000	9.000	0	45790	N.D.	0.339	#
18)		Endrin Al...	8.424f	9.075f	27114	31257	0.185	0.150	
19)		Endosulfa...	8.707	9.324f	57638	31042	0.351	0.136	#
20)		Methoxychlor	8.524	9.434f	23832	10395	0.197	0.041	#
21)		Endrin Ke...	8.890	9.696	7159	63804	0.037	0.256	#
23)		Hexachlor...	3.213f	0.000	7480	0	11064.669	N.D.	#
24)		Hexachlor...	5.761	6.430f	6991	18312	BelowCal	BelowCal	
25)		Oxychlordane	7.248	7.935	60228	115573	0.100	0.207	#
26)		2,4'-DDE	7.334	8.132	344392	7358273	2.647	38.905	#
27)		trans-Non...	7.514	8.196	5100975	5432733	26.850	19.424	#
28)		2,4'-DDD	7.671f	8.493	363157	489911	3.146	2.763	
29)		2,4'-DDT	7.912f	8.716	121684	157685	1.024	0.948	
30)		cis-Nonac...	7.979	8.763	778810	1156468	3.624	3.790	
31)		Mirex	8.639	9.696	5423	63804	5765.316	BelowCal	#
32)		Chlordane...	7.421	8.132	4452138	7358273	190.734	186.738	
33)		Chlordane...	7.514	8.241	5100975	6135095	192.110	187.338	
34)		Chlordane...	8.065	8.904	1329346	1823031	182.862	178.148	
35)		Chlordane...	3.671f	0.000	6903	0	NoCal	N.D.	
36)		Toxaphene...	7.514f	8.493f	5100975	489911	4908.602	174.197	#
37)		Toxaphene...	7.802	8.819	156776	193729	81.328	54.203	#
38)		Toxaphene...	8.115	8.855	96437	151655	23.657	27.161	
39)		Toxaphene...	8.343	8.904	62277	1823031	15.854	216.428	#
40)		Toxaphene...	8.549	9.075	26104	31257	8.510	6.325	#
41)		Toxaphene...	8.639	0.000	5423	0	1.354	N.D.	#
42)		Toxaphene...	3.671f	0.000	6903	0	NoCal	N.D.	

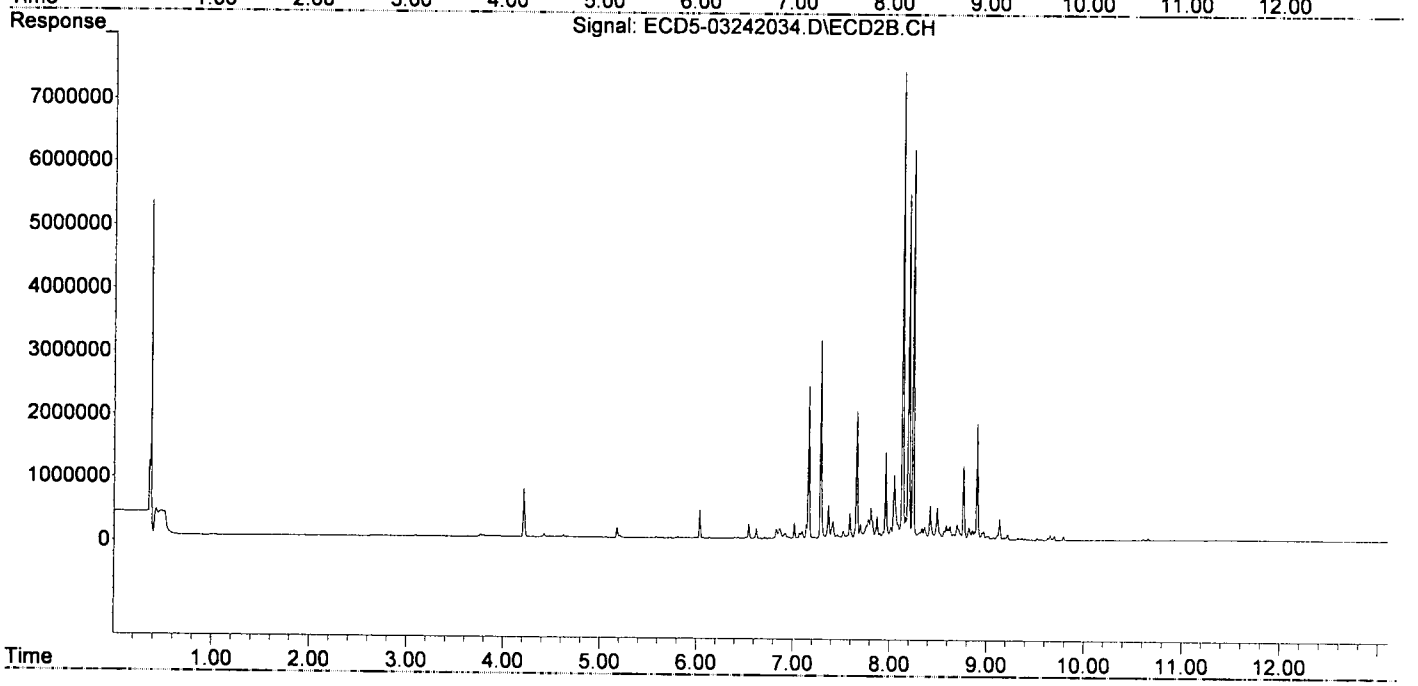
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:56
Operator : MJB
Sample : 0C24036-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:01:16 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:14
Operator : MJB
Sample : 0C24036-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:01:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20.

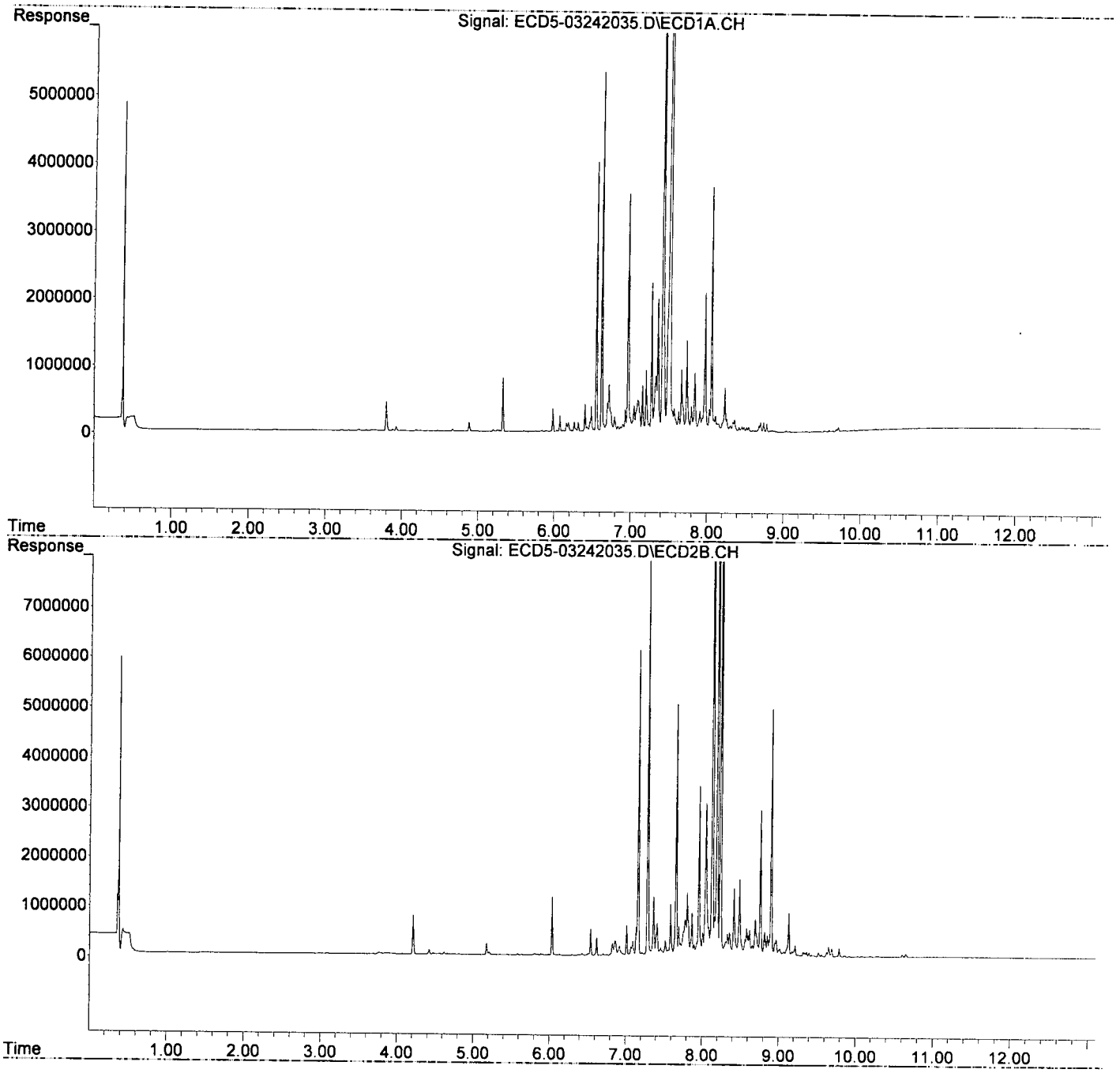
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.390	5.990	5638	14212	0.029	0.050	#
22)	S	DCBP (S)	9.598	10.518f	23312	8248	BelowCal	0.049	
		Target Compounds							
2)		a-BHC	5.894f	6.619f	15594	354560	0.059	0.875	#
3)		g-BHC	6.229	6.919	18975	199767	0.083	0.565	#
4)		b-BHC	6.262f	7.013f	144548	596093	1.511	3.973	#
5)		Heptachlor	6.621	7.286	5329062	8103259	23.920	24.178	
6)		d-BHC	6.403f	7.218	401476	65440	2.058	0.200	#
7)		Aldrin	6.868	7.559	76629	116433	0.345	0.357	
8)		Heptachlo...	7.332	8.010	831897	468134	4.059	1.573	#
9)		trans-Chl...	7.419	8.131	11350035	19167147	54.447	63.269	
10)		cis-Chlor...	7.513	8.239	12743783	16083461	62.230	55.427	
11)		Endosulfa...	7.632	8.312f	304424	296670	1.575	1.092	#
12)		4,4'-DDE	7.572	8.334	346977	441985	1.760	1.544	
13)		Dieldrin	7.800	8.490	378919	1530281	1.783	5.144	#
14)		Endrin	7.977f	8.734	2066669	222788	12.091	0.973	#
15)		4,4'-DDD	7.977f	8.762	2066669	2919714	12.646	12.134	
16)		Endosulfa...	8.113	8.876	239019	347036	1.427	1.447	
17)		4,4'-DDT	0.000	8.999	0	131971	N.D.	0.873	#
18)		Endrin Al...	8.422f	9.073f	72166	101651	0.493	0.489	
19)		Endosulfa...	8.705	9.322f	142508	91899	0.867	0.404	#
20)		Methoxychlor	8.521	9.469	70549	23105	0.925	0.194	#
21)		Endrin Ke...	8.887	9.694	21935	162588	0.115	0.652	#
23)		Hexachlor...	3.212f	0.000	7608	0	11064.668	N.D.	#
24)		Hexachlor...	5.759	6.472	11444	10909	BelowCal	BelowCal	
25)		Oxychlordane	7.246	7.934	129042	280002	0.508	0.884	#
26)		2,4'-DDE	7.332	8.131	831897	19167147	6.688	96.138	#
27)		trans-Non...	7.513	8.195	12743783	14197437	67.091	49.645	#
28)		2,4'-DDD	7.668f	8.490	926441	1530281	8.451	9.166	
29)		2,4'-DDT	7.909f	8.734	311217	222788	2.928	1.415	#
30)		cis-Nonac...	7.977	8.762	2066669	2919714	9.983	9.833	
31)		Mirex	8.636	9.694	23968	162588	5765.174	0.516	#
32)		Chlordane...	7.419	8.131	11350035	19167147	486.247	486.424	
33)		Chlordane...	7.513	8.239	12743783	16083461	479.949	491.117	
34)		Chlordane...	8.063	8.902	3611630	4941415	496.809	482.879	
35)		Chlordane...	3.668f	0.000	7284	0	NoCal	N.D.	
36)		Toxaphene...	7.513	8.490f	12743783	1530281	12263.176	544.122	#
37)		Toxaphene...	7.800	8.818	378919	477475	201.487	133.592	#
38)		Toxaphene...	8.113	8.853	239019	415809	58.633	74.471	#
39)		Toxaphene...	8.341	8.902	151892	4941415	38.668	579.507	#
40)		Toxaphene...	8.547f	9.073f	73504	101651	23.962	20.570	
41)		Toxaphene...	8.636	9.469	23968	23105	5.984	4.275	#
42)		Toxaphene...	3.668f	0.000	7284	0	NoCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:14
Operator : MJB
Sample : 0C24036-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:01:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:31
Operator : MJB
Sample : 0C24036-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:02:17 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

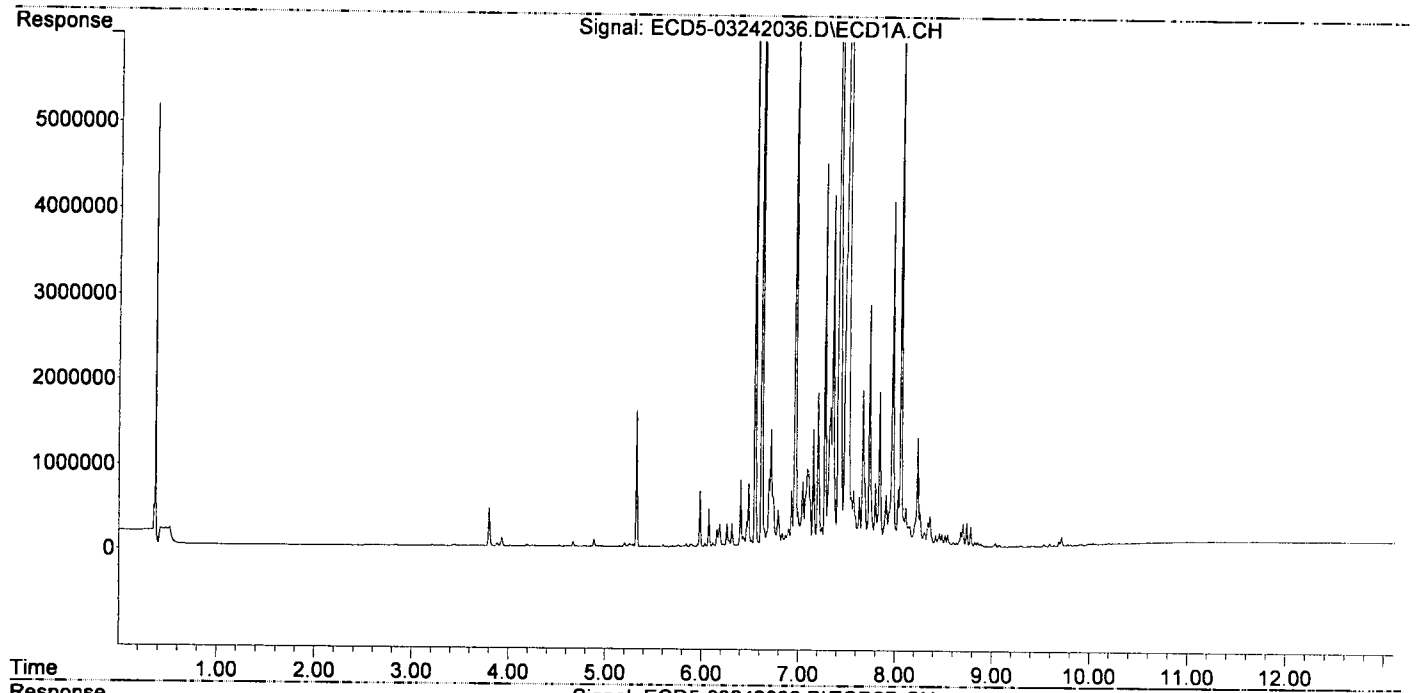
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.390	5.990	10402	14837	0.054	0.052	
22)	S	DCBP (S)	9.598	10.563	39513	8796	0.088	0.052	#
		Target Compounds							
2)		a-BHC	5.894f	6.619f	32120	668750	0.122	1.650	#
3)		g-BHC	6.228	6.920	33790	369677	0.148	1.045	#
4)		b-BHC	6.261f	7.013f	274893	1221894	2.873	8.144	#
5)		Heptachlor	6.621	7.286	10559537	17018919	47.398	50.781	
6)		d-BHC	6.403f	7.218	793537	115969	4.067	0.355	#
7)		Aldrin	6.868	7.558	145869	211135	0.657	0.648	
8)		Heptachlo...	7.332	8.009	1645734	929398	8.030	3.122	#
9)		trans-Chl...	7.419	8.132	23335625	41978790	111.942	138.567	
10)		cis-Chlor...	7.512	8.239	26067771	33852266	127.293	116.662	
11)		Endosulfa...	7.632	8.311	596107	612938	3.083	2.256	#
12)		4,4'-DDE	7.571	8.334	667832	881785	3.388	3.079	
13)		Dieldrin	7.799	8.491	758158	3372114	3.568	11.334	#
14)		Endrin	7.977f	8.734	4041549	440965	23.644	1.926	#
15)		4,4'-DDD	7.977f	8.761	4041549	6030821	24.729	25.064	
16)		Endosulfa...	8.112	8.876	463069	684009	2.764	2.851	
17)		4,4'-DDT	8.236f	8.998	1284977	257283	10.344	1.646	#
18)		Endrin Al...	8.422f	9.073f	145358	207591	0.993	0.998	
19)		Endosulfa...	8.704	9.274f	277138	68825	1.685	0.302	#
20)		Methoxychlor	8.521	9.468	145355	52373	2.088	0.546	#
21)		Endrin Ke...	8.887	9.694	46777	320626	0.245	1.286	#
23)		Hexachlor...	3.213f	0.000	8910	0	11064.661	N.D.	#
24)		Hexachlor...	5.758	6.471	22163	13376	BelowCal	BelowCal	
25)		Oxychlordane	7.245	7.933	233685	519723	1.128	1.870	#
26)		2,4'-DDE	7.332	8.132	1645734	41978790	13.408	193.007	#
27)		trans-Non...	7.512	8.195	26067771	30389069	136.204	101.436	#
28)		2,4'-DDD	7.668f	8.491	1834007	3372114	16.969	20.324	
29)		2,4'-DDT	7.908f	8.734	623704	440965	6.051	2.972	#
30)		cis-Nonac...	7.977	8.761	4041549	6030821	19.696	20.315	
31)		Mirex	8.636	9.694	53354	320626	0.006	1.451	#
32)		Chlordane...	7.419	8.132	23335625	41978790	999.721	1065.339	
33)		Chlordane...	7.512	8.239	26067771	33852266	981.750	1033.697	
34)		Chlordane...	8.063	8.902	7301807	10417487	1004.422	1018.005	
35)		Chlordane...	3.671f	0.000	7388	0	NoCal	N.D.	
36)		Toxaphene...	7.512	8.491f	26067771	3372114	25084.675	1199.022	#
37)		Toxaphene...	7.799	8.818	758158	952820	410.815	266.588	#
38)		Toxaphene...	8.112	8.853	463069	845939	113.593	151.506	#
39)		Toxaphene...	8.341	8.902	290700	10417487	74.005	1178.960	#
40)		Toxaphene...	8.547f	9.073f	146954	207591	47.907	42.008	
41)		Toxaphene...	8.636	9.468	53354	52373	13.320	9.690	#
42)		Toxaphene...	3.671f	0.000	7388	0	NoCal	N.D.	

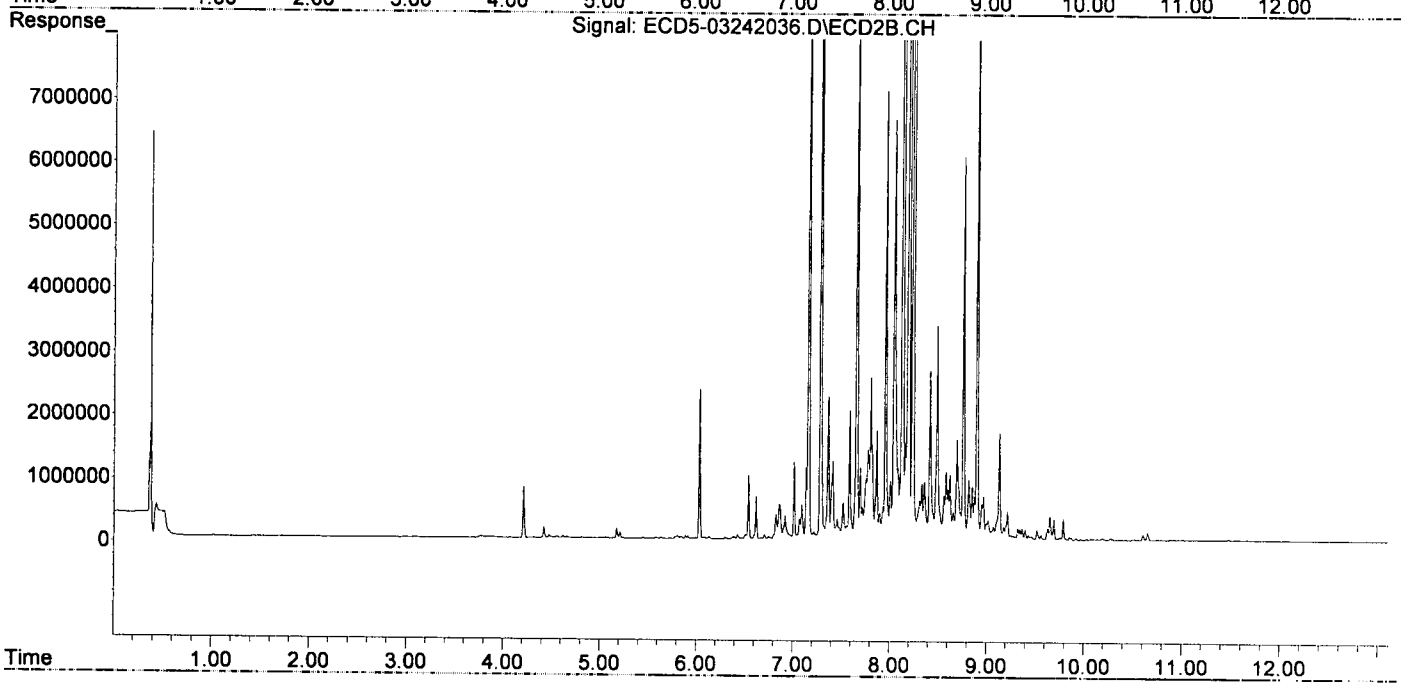
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:31
Operator : MJB
Sample : 0C24036-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:02:17 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:48
Operator : MJB
Sample : 0C24036-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:02:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MJP 3/25/20

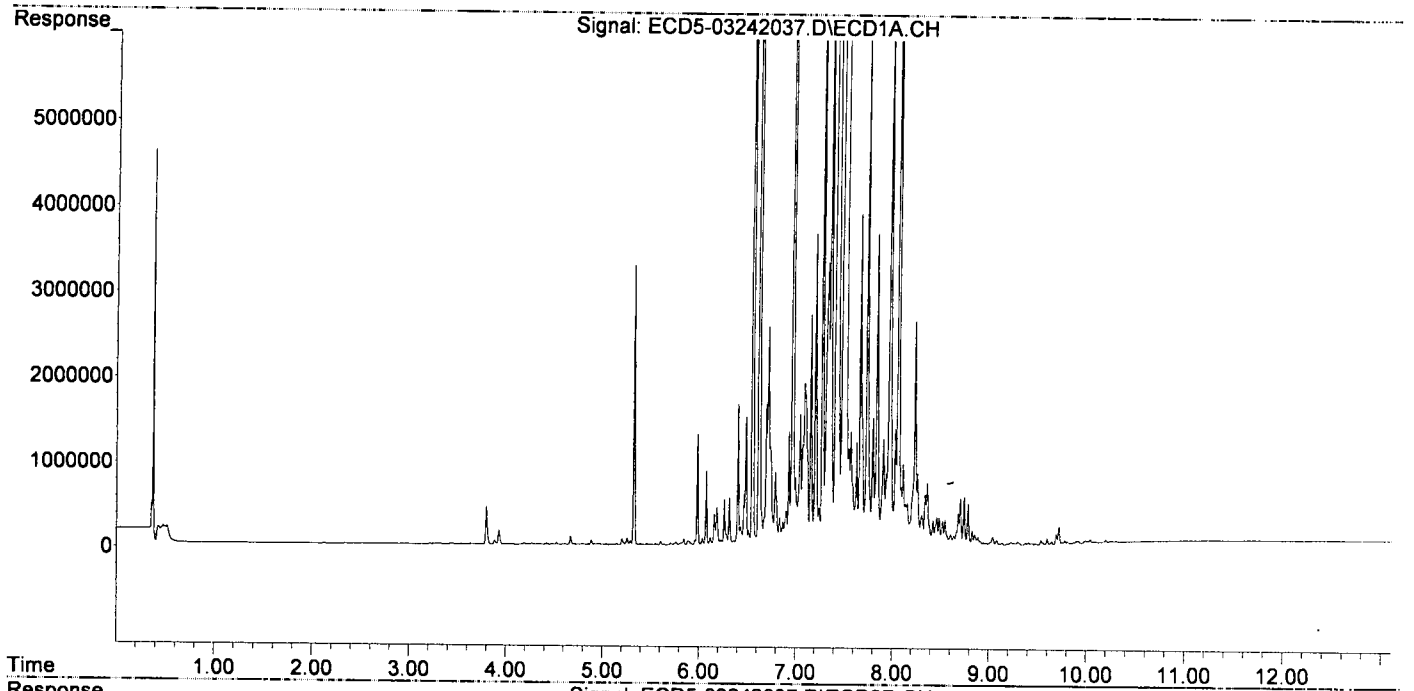
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.389	5.989	18457	18826	0.096	0.066	#
22)	S DCBP (S)	9.598	10.562	72257	17797	0.308	0.105	#
	Target Compounds							
2)	a-BHC	0.000	6.619f	0	1290422	N.D.	3.185	#
3)	g-BHC	6.229	6.919	56218	700746	0.246	1.981	#
4)	b-BHC	6.313f	7.012f	556720	2432258	5.819	16.211	#
5)	Heptachlor	6.621	7.286	21517816	36145585	96.586	107.850	
6)	d-BHC	6.402f	7.218	1649022	209468	8.451	0.641	#
7)	Aldrin	6.867	7.556	271799	385301	1.224	1.182	
8)	Heptachlo...	7.331	8.008	3334824	1806899	16.271	6.071	#
9)	trans-Chl...	7.418	8.132	46999488	87406745	225.459	288.520	#
10)	cis-Chlor...	7.513	8.239	53385654	71173749	260.691	245.280	
11)	Endosulfa...	7.631	8.311f	1208920	1285035	6.253	4.729	
12)	4,4'-DDE	7.570	8.333	1328086	1745459	6.738	6.096	
13)	Dieldrin	7.798	8.490	1491299	7270647	7.019	24.438	#
14)	Endrin	7.976f	8.734	8106592	919179	47.426	4.014	#
15)	4,4'-DDD	7.976f	8.761	8106592	12564149	49.603	52.217	
16)	Endosulfa...	8.112	8.875	950624	1384678	5.674	5.772	
17)	4,4'-DDT	8.235f	8.998	2633573	515630	20.840	3.229	#
18)	Endrin Al...	8.422f	9.133f	286678	3583262	1.959	17.227	#
19)	Endosulfa...	8.704	9.274f	549271	146940	3.340	0.645	#
20)	Methoxychlor	8.520	9.468	284619	111616	4.244	1.256	#
21)	Endrin Ke...	8.887	9.693	94901	631971	0.497	2.535	#
23)	Hexachlor...	3.212f	0.000	7100	0	11064.671	N.D.	#
24)	Hexachlor...	5.759	6.427f	34164	133032	BelowCal	0.238	
25)	Oxychlordane	7.243	7.932	440432	1056373	2.353	4.070	#
26)	2,4'-DDE	7.331	8.132	3334824	87406745	27.262	352.919	#
27)	trans-Non...	7.513	8.195	53385654	63786215	274.036	196.046	#
28)	2,4'-DDD	7.667f	8.490	3833738	7270647	35.611	43.251	
29)	2,4'-DDT	7.907f	8.734	1250334	919179	12.254	6.351	#
30)	cis-Nonac...	7.976	8.761	8106592	12564149	39.546	41.636	
31)	Mirex	8.636	9.693	110717	631971	0.444	3.291	#
32)	Chlordane...	7.418	8.132	46999488	87406745	2013.505	2218.211	
33)	Chlordane...	7.513	8.239	53385654	71173749	2010.581	2173.328	
34)	Chlordane...	8.062	8.901	14906306	22418158	2050.483	2190.720	
35)	Chlordane...	3.672f	0.000	6347	0	NoCal	N.D.	
36)	Toxaphene...	7.513	8.490f	53385654	7270647	51372.318	2585.223	#
37)	Toxaphene...	7.798	8.816	1491299	1943186	831.960	543.681	#
38)	Toxaphene...	8.112	8.853	950624	1761310	233.193	315.448	#
39)	Toxaphene...	8.340	8.901	589483	22418158	150.067	2361.671	#
40)	Toxaphene...	8.547f	9.072f	294988	417200	96.166	84.425	
41)	Toxaphene...	8.636	9.468	110717	111616	27.640	20.652	#
42)	Toxaphene...	3.672f	0.000	6347	0	NoCal	N.D.	

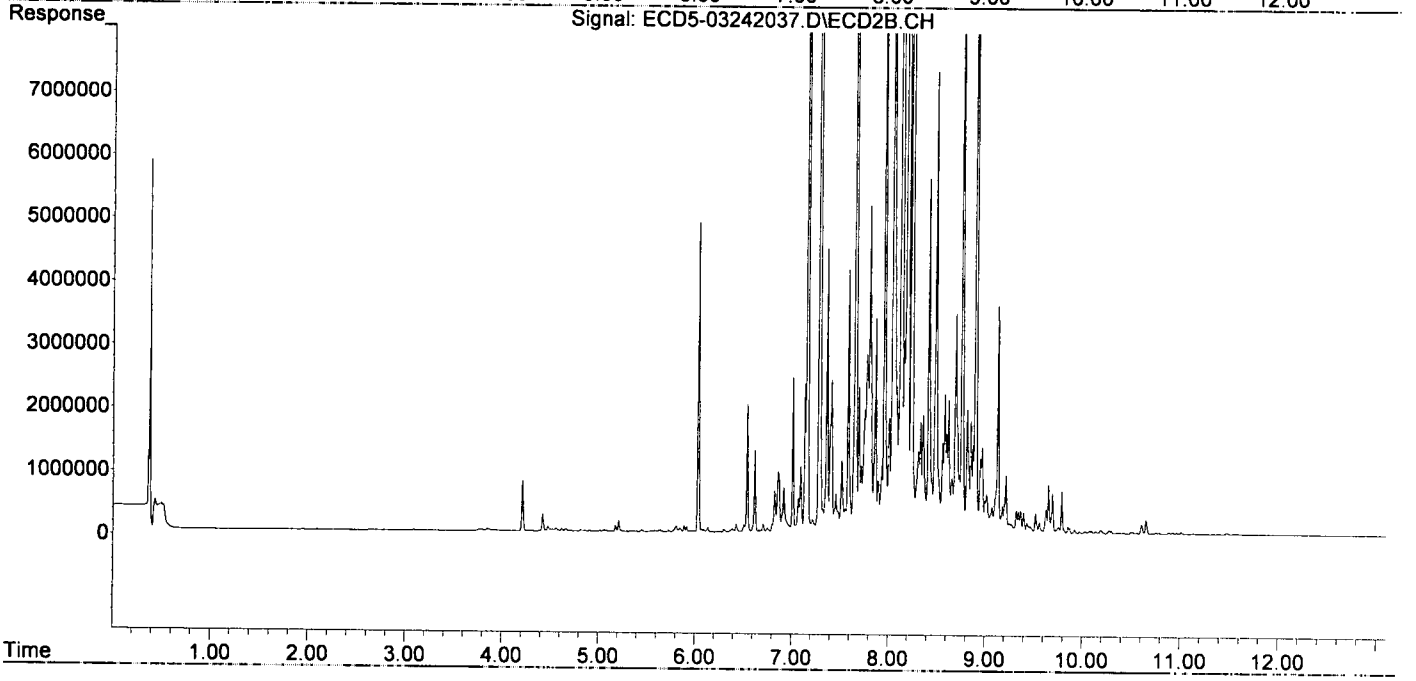
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:48
Operator : MJB
Sample : 0C24036-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:02:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

MP 3/25/20

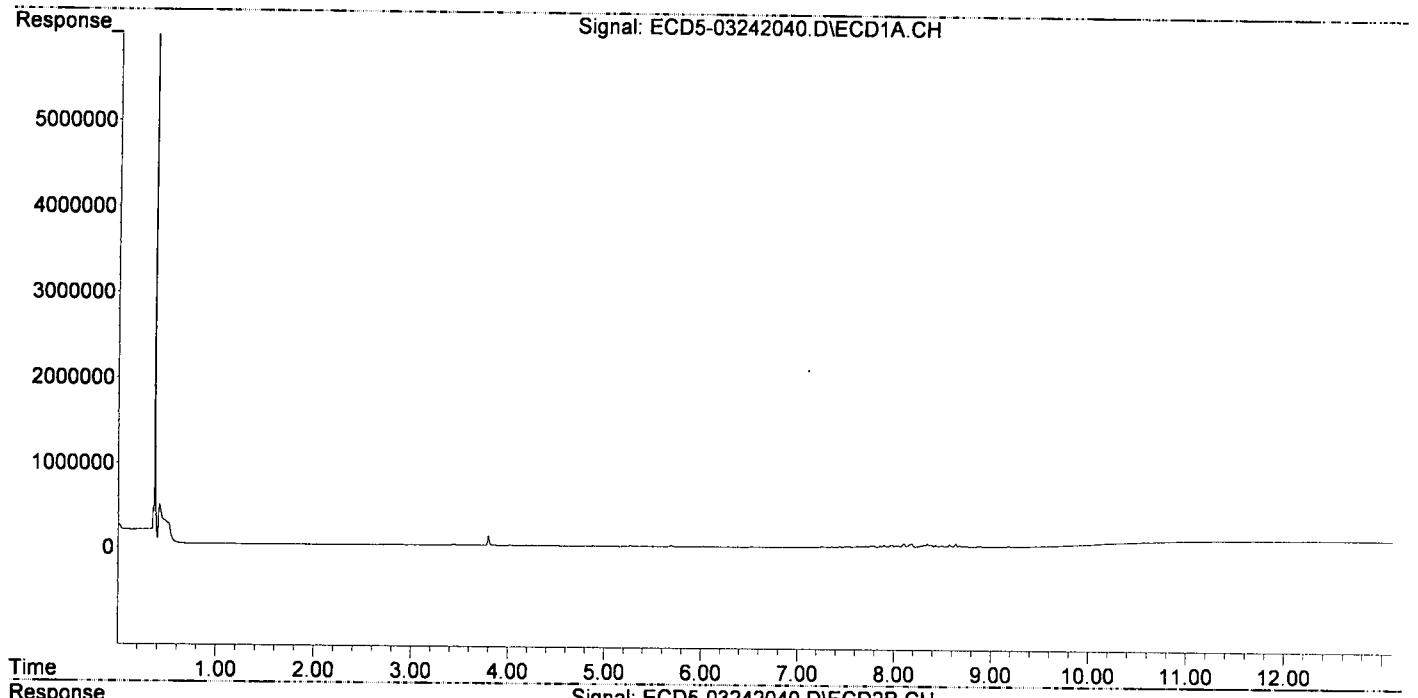
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.997	0	30983	N.D.	0.108	#
22)	S	DCBP (S)	9.552f	0.000	2121	0	BelowCal	N.D.	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)		d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)		Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)		Heptachlo...	7.355f	7.987	5997	8323	0.029	0.028	
9)		trans-Chl...	7.406	8.114	5150	5725	0.025	0.019	
10)		cis-Chlor...	7.499	8.266f	11225	7336	0.055	0.025	#
11)		Endosulfa...	7.625	8.297	14022	11737	0.073	0.043	#
12)		4,4'-DDE	7.546f	8.363	10597	15330	0.054	0.054	
13)		Dieldrin	7.791	8.510	23053	15516	0.109	0.052	#
14)		Endrin	7.933	8.714	12460	27738	0.073	0.121	#
15)		4,4'-DDD	8.018	8.765	17175	18368	0.105	0.076	#
16)		Endosulfa...	8.103	8.853	47213	64506	0.282	0.269	
17)		4,4'-DDT	8.184	8.983	39370	21822	0.305	0.190	#
18)		Endrin Al...	8.389	9.097	28639	54945	0.196	0.264	#
19)		Endosulfa...	8.708	9.298	13840	19059	0.084	0.084	
20)		Methoxychlor	8.541	9.478	10664	60756	BelowCal	0.646	
21)		Endrin Ke...	8.891	9.683	10196	16919	0.053	0.068	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)		Oxychlordane	7.257	7.937	10991	9497	BelowCal	BelowCal	
26)		2,4'-DDE	7.355f	8.114	5997	5725	BelowCal	BelowCal	
27)		trans-Non...	7.499	8.181	11225	14003	BelowCal	BelowCal	
28)		2,4'-DDD	7.709	8.510	15009	15516	BelowCal	BelowCal	
29)		2,4'-DDT	7.896	8.714	24597	27738	0.045	0.013	#
30)		cis-Nonac...	7.979	8.765	29825	18368	BelowCal	BelowCal	
31)		Mirex	8.639	9.683	45333	16919	5765.011	BelowCal	#
32)		Chlordane...	7.406	8.114	5150	5725	0.221	0.145	#
33)		Chlordane...	7.499	8.266f	11225	7336	0.423	0.224	#
34)		Chlordane...	8.044	8.920	16782	116261	2.308	11.361	#
35)		Chlordane...	3.678f	0.000	4794	0	NoCal	N.D.	
36)		Toxaphene...	7.499	8.471	11225	31297	10.801	11.128	
37)		Toxaphene...	7.791	8.817	23053	38990	9.829	10.909	
38)		Toxaphene...	8.103	8.853	47213	64506	11.582	11.553	
39)		Toxaphene...	8.343	8.920	47569	116261	12.110	9.932	
40)		Toxaphene...	8.571	9.097	32950	54945	10.742	11.119	
41)		Toxaphene...	8.639	9.478	45333	60756	11.317	11.242	
42)		Toxaphene...	3.678f	0.000	4794	0	NoCal	N.D.	

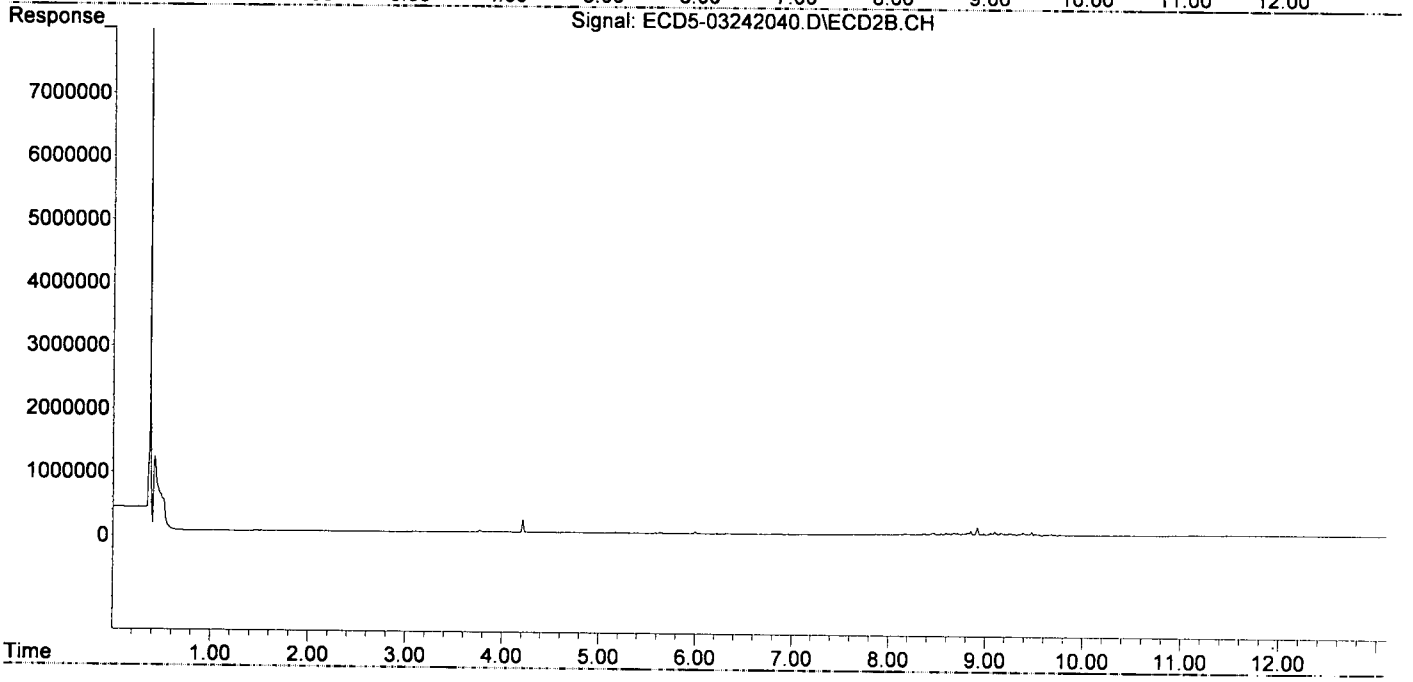
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:56
Operator : MJB
Sample : 0C24036-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

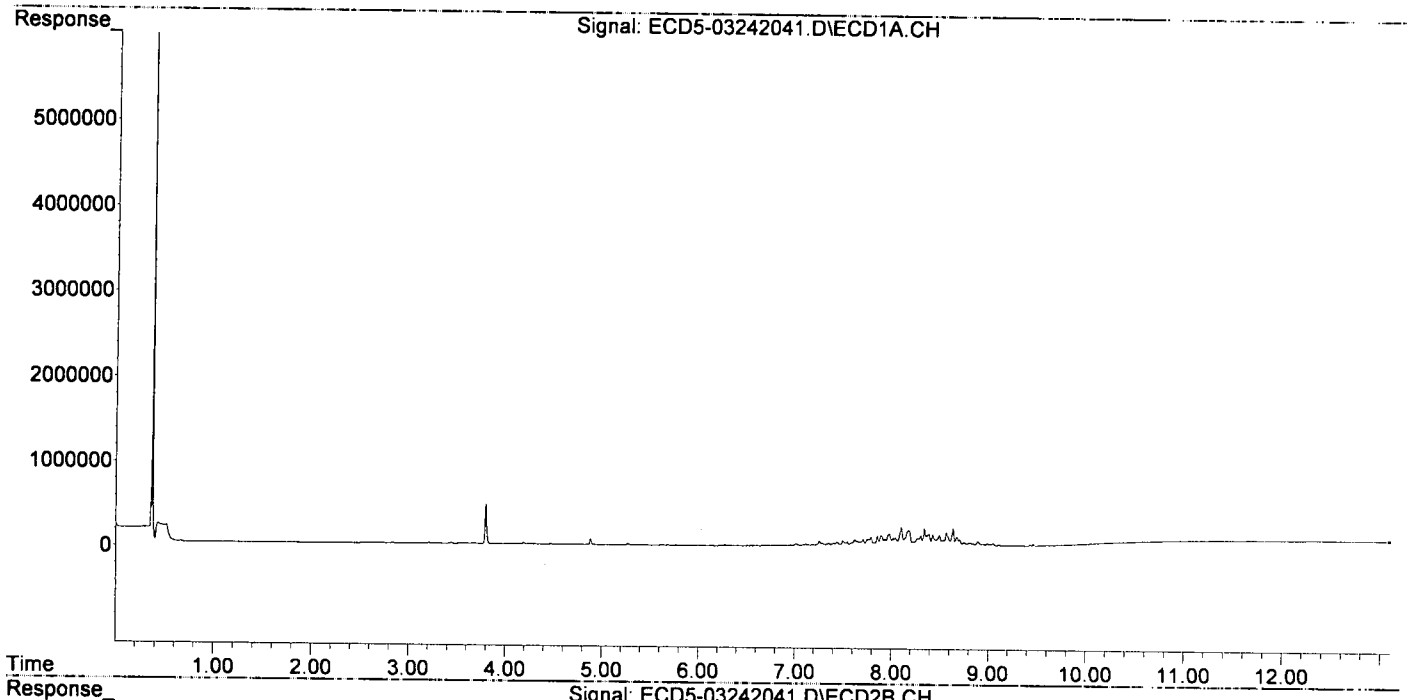
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.992	0	13960	N.D.	0.049	#
22)	S	DCBP (S)	9.587	0.000	4773	0	BelowCal	N.D.	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	6.277	0.000	10889	0	0.114	N.D.	#
5)		Heptachlor	6.619	0.000	2171	0	0.010	N.D.	#
6)		d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)		Aldrin	6.865	7.577f	5711	12688	0.026	0.039	#
8)		Heptachlo...	7.352f	7.984	34682	53421	0.169	0.179	
9)		trans-Chl...	7.404	8.131	32599	46168	0.156	0.152	
10)		cis-Chlor...	7.496f	8.220f	59017	59976	0.288	0.207	#
11)		Endosulfa...	7.622	8.295	70509	78449	0.365	0.289	
12)		4,4'-DDE	7.544f	8.360	50771	90258	0.258	0.315	
13)		Dieldrin	7.789	8.507	106574	94396	0.502	0.317	#
14)		Endrin	7.930f	8.713	80860	156486	0.473	0.683	#
15)		4,4'-DDD	8.017	8.764	93295	110397	0.571	0.459	
16)		Endosulfa...	8.101	8.851	220625	293570	1.317	1.224	
17)		4,4'-DDT	8.180	8.981	180770	118701	1.463	0.790	#
18)		Endrin Al...	8.388	9.095	143421	253621	0.980	1.219	
19)		Endosulfa...	8.705	9.295	78074	108142	0.475	0.475	
20)		Methoxychlor	8.540	9.476	69723	273442	0.912	3.185	#
21)		Endrin Ke...	8.890	9.718f	53080	49559	0.278	0.199	#
23)		Hexachlor...	3.211f	0.000	8933	0	11064.661	N.D.	#
24)		Hexachlor...	5.771	6.452	4978	10227	BelowCal	BelowCal	
25)		Oxychlordane	7.254	7.903	54704	36477	0.067	BelowCal	#
26)		2,4'-DDE	7.352f	8.131	34682	46168	0.074	0.041	#
27)		trans-Non...	7.496	8.206	59017	62807	0.056	BelowCal	#
28)		2,4'-DDD	7.708	8.507	78466	94396	0.460	0.309	#
29)		2,4'-DDT	7.893	8.713	122492	156486	1.032	0.939	
30)		cis-Nonac...	7.978	8.764	140301	110397	0.464	0.169	#
31)		Mirex	8.636	9.718f	207412	49559	1.183	BelowCal	#
32)		Chlordane...	7.404	8.131	32599	46168	1.397	1.172	
33)		Chlordane...	7.496	8.220	59017	59976	2.223	1.831	
34)		Chlordane...	8.042f	8.918	94526	456067	13.003	44.567	#
35)		Chlordane...	3.671f	0.000	5999	0	NoCal	N.D.	
36)		Toxaphene...	7.496	8.468	59017	156382	56.791	55.605	
37)		Toxaphene...	7.789	8.816	106574	191843	54.414	53.675	
38)		Toxaphene...	8.101	8.851	220625	293570	54.121	52.578	
39)		Toxaphene...	8.341	8.918	205964	456067	52.433	51.515	
40)		Toxaphene...	8.569	9.095	160219	253621	52.231	51.323	
41)		Toxaphene...	8.636	9.476	207412	273442	51.779	50.595	
42)		Toxaphene...	3.671f	0.000	5999	0	NoCal	N.D.	

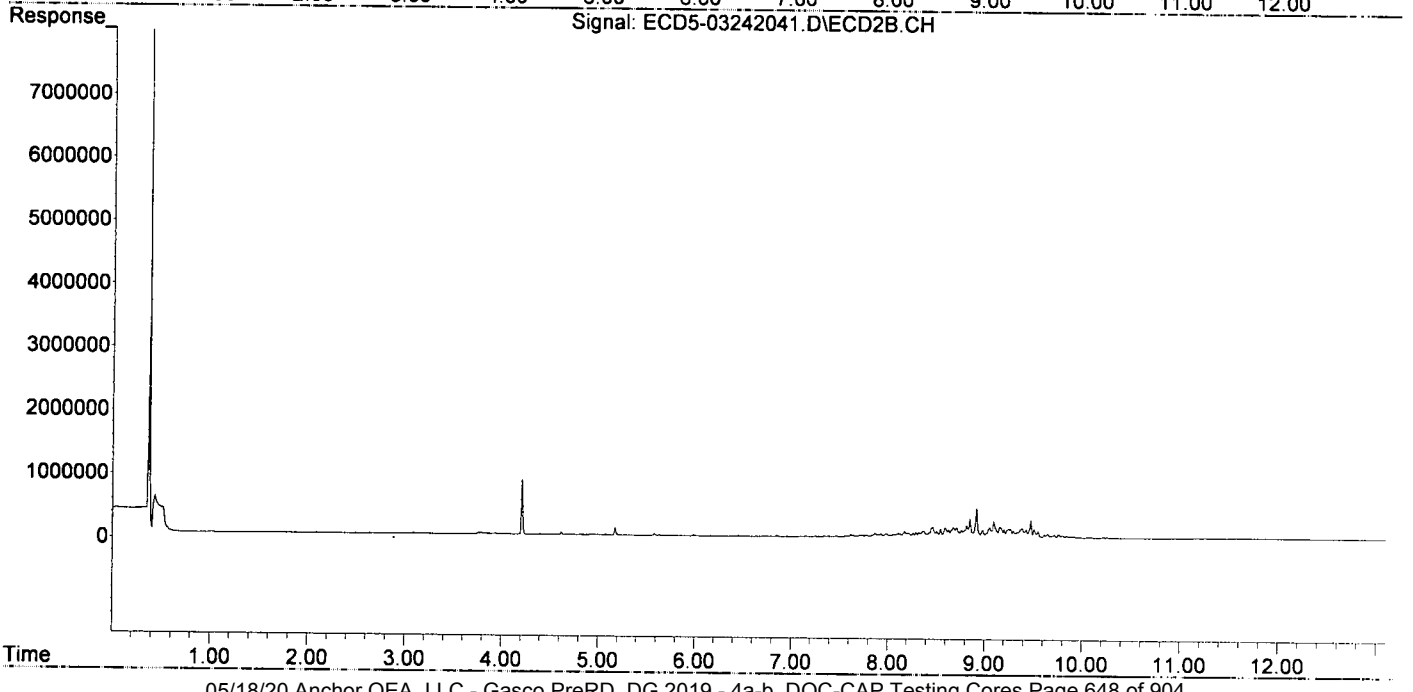
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:56
Operator : MJB
Sample : 0C24036-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:13
Operator : MJB
Sample : 0C24036-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

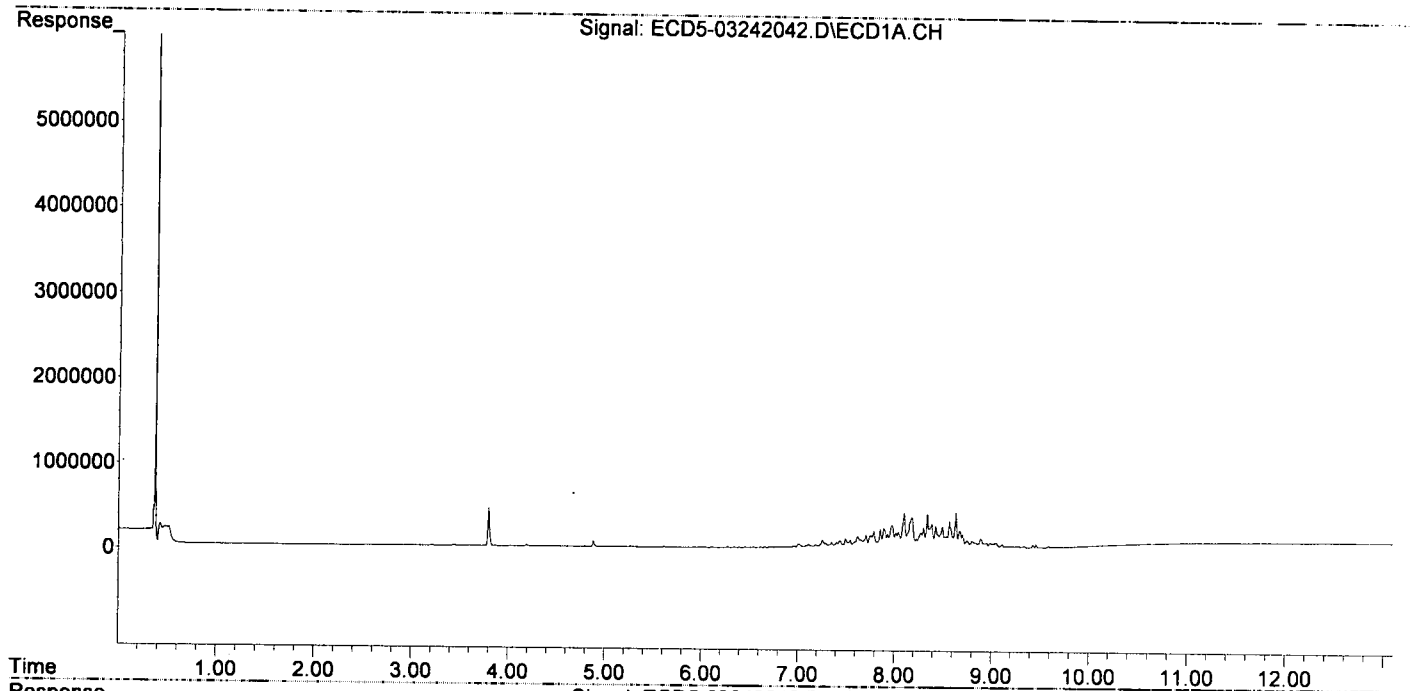
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.991	0	11772	N.D.	0.041	#
22)	S	DCBP (S)	9.588	10.549	19257	15520	BelowCal	0.091	
		Target Compounds							
2)		a-BHC	5.925	0.000	3355	0	0.013	N.D.	#
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	6.276	0.000	11741	0	0.123	N.D.	#
5)		Heptachlor	6.620	7.254f	4972	7728	0.022	0.023	
6)		d-BHC	6.459f	7.254f	3356	7728	0.017	0.024	#
7)		Aldrin	6.863	7.567	12607	25451	0.057	0.078	#
8)		Heptachlo...	7.351f	7.983	64596	94789	0.315	0.318	
9)		trans-Chl...	7.404	8.132	64961	77286	0.312	0.255	
10)		cis-Chlor...	7.495f	8.220f	111060	106561	0.542	0.367	#
11)		Endosulfa...	7.621	8.295	133943	139425	0.693	0.513	#
12)		4,4'-DDE	7.544f	8.359	94182	163947	0.478	0.573	
13)		Dieldrin	7.788	8.507	197990	168160	0.932	0.565	#
14)		Endrin	7.929f	8.713	161620	305949	0.946	1.336	#
15)		4,4'-DDD	8.016	8.764	178911	206437	1.095	0.858	
16)		Endosulfa...	8.100	8.851	412345	562449	2.461	2.345	
17)		4,4'-DDT	8.182	8.979	354108	221053	2.875	1.423	#
18)		Endrin Al...	8.387	9.095	284602	488364	1.944	2.348	
19)		Endosulfa...	8.705	9.295	157876	206158	0.960	0.905	
20)		Methoxychlor	8.538	9.475	136965	529637	1.957	6.203	#
21)		Endrin Ke...	8.889	9.717f	107831	99028	0.565	0.397	#
23)		Hexachlor...	3.212f	0.000	7800	0	11064.667	N.D.	#
24)		Hexachlor...	0.000	6.472f	0	8296	N.D.	BelowCal	
25)		Oxychlordane	7.256	7.935	91887	86622	0.287	0.088	#
26)		2,4'-DDE	7.351f	8.132	64596	77286	0.323	0.213	#
27)		trans-Non...	7.495	8.205	111060	110359	0.333	0.166	#
28)		2,4'-DDD	7.707	8.507	149781	168160	1.133	0.768	#
29)		2,4'-DDT	7.892	8.713	233015	305949	2.143	2.010	
30)		cis-Nonac...	7.976	8.764	266499	206437	1.089	0.503	#
31)		Mirex	8.636	9.717f	412942	99028	2.755	0.139	#
32)		Chlordane...	7.404	8.132	64961	77286	2.783	1.961	#
33)		Chlordane...	7.495	8.220	111060	106561	4.183	3.254	
34)		Chlordane...	8.041f	8.918	183267	879719	25.210	85.967	#
35)		Chlordane...	3.673f	0.000	5251	0	NoCal	N.D.	
36)		Toxaphene...	7.495	8.467	111060	287265	106.871	102.143	
37)		Toxaphene...	7.788	8.815	197990	355195	103.489	99.379	
38)		Toxaphene...	8.100	8.851	412345	562449	101.150	100.734	
39)		Toxaphene...	8.341	8.918	391751	879719	99.730	103.025	
40)		Toxaphene...	8.569	9.095	313162	488364	102.091	98.826	
41)		Toxaphene...	8.636	9.475	412942	529637	103.089	97.999	
42)		Toxaphene...	3.673f	0.000	5251	0	NoCal	N.D.	

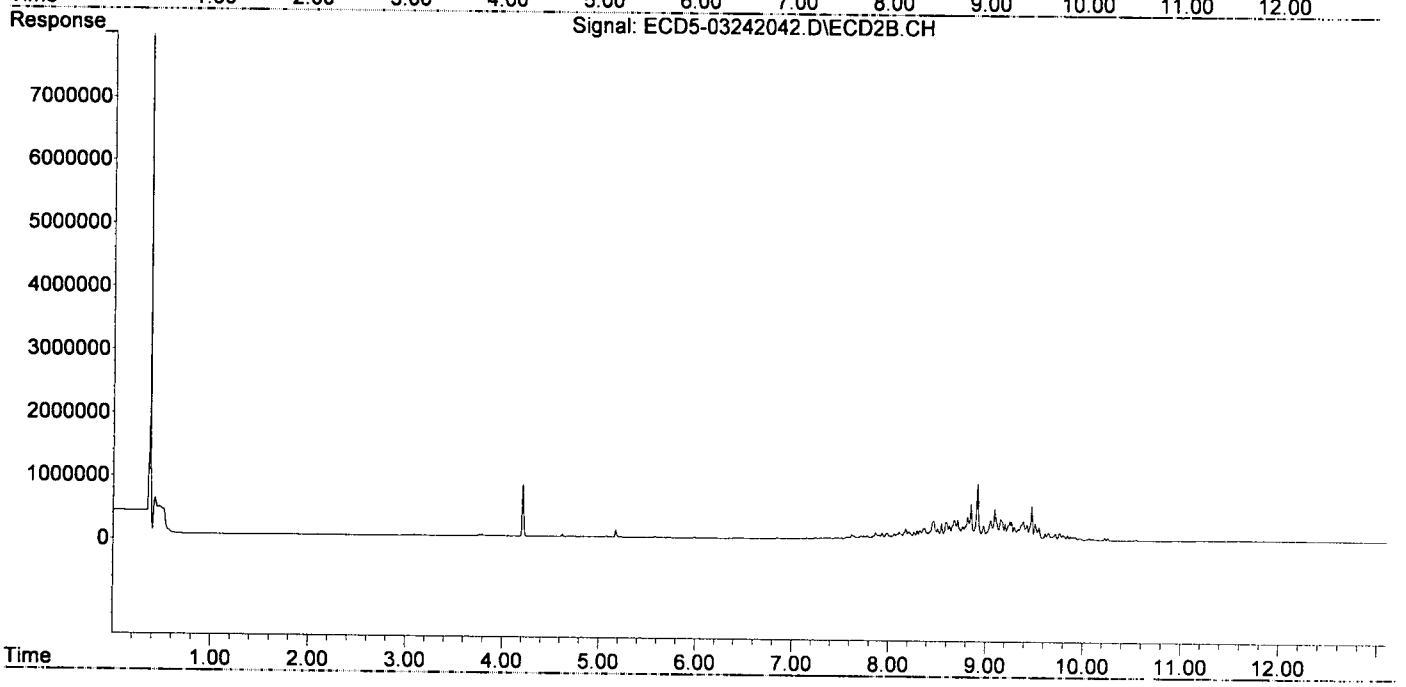
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:13
Operator : MJB
Sample : 0C24036-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:31
Operator : MJB
Sample : 0C24036-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:33 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

NB 3/25/20

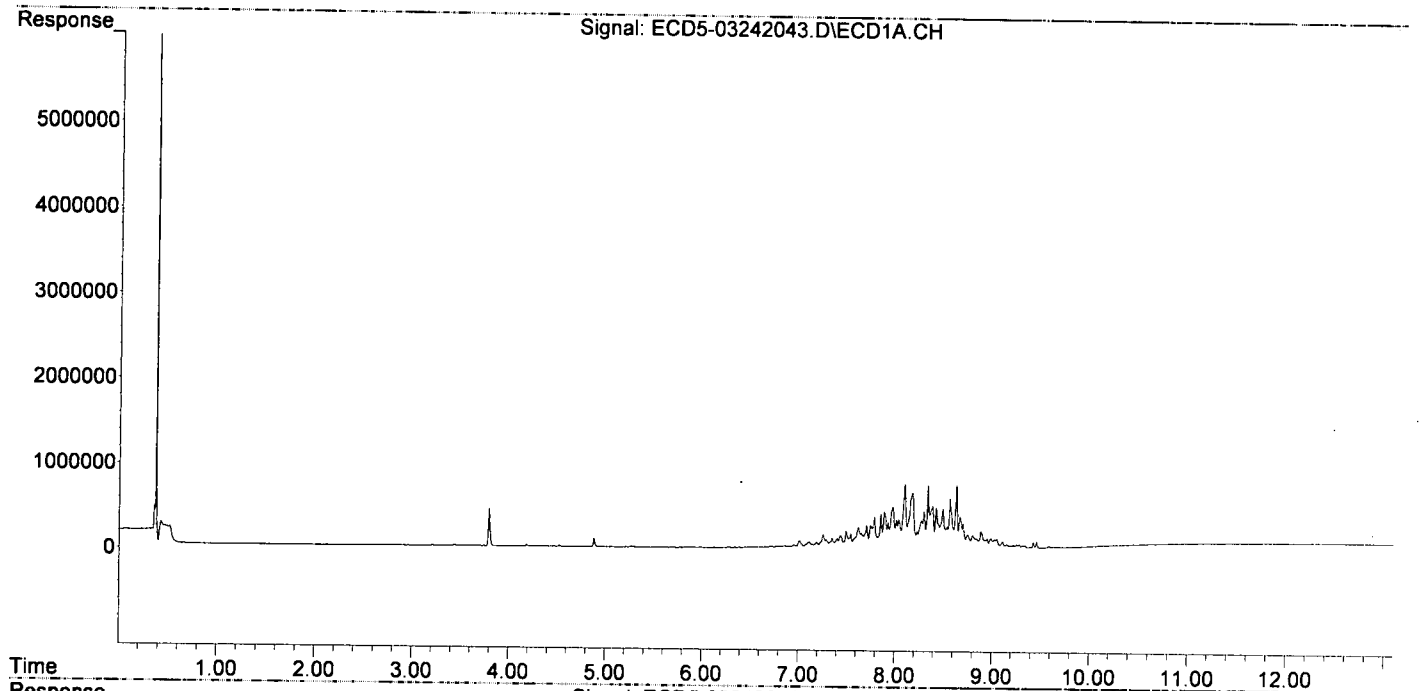
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.992	0	13119	N.D.	0.046	#
22)	S	DCBP (S)	9.587	10.549	20261	12827	BelowCal	0.076	
		Target Compounds							
2)		a-BHC	5.926	0.000	3861	0	0.015	N.D.	#
3)		g-BHC	6.228	6.903	2591	7376	0.011	0.021	#
4)		b-BHC	6.277	6.962	11531	11300	0.121	0.075	#
5)		Heptachlor	6.621	7.287	9538	19719	0.043	0.059	#
6)		d-BHC	6.458f	7.230	6448	18325	0.033	0.056	#
7)		Aldrin	6.863	7.578f	23914	56093	0.108	0.172	#
8)		Heptachlo...	7.351f	7.984	115102	185009	0.562	0.622	
9)		trans-Chl...	7.403	8.131	113942	153337	0.547	0.506	
10)		cis-Chlor...	7.495f	8.219f	198022	200782	0.967	0.692	#
11)		Endosulfa...	7.622	8.295	241258	263382	1.248	0.969	
12)		4,4'-DDE	7.544f	8.360	165579	311021	0.840	1.086	#
13)		Dieldrin	7.788	8.506	356203	317193	1.677	1.066	#
14)		Endrin	7.929f	8.713	296754	558978	1.736	2.441	#
15)		4,4'-DDD	8.016	8.762	326657	392011	1.999	1.629	
16)		Endosulfa...	8.100	8.850	754269	1026403	4.502	4.278	
17)		4,4'-DDT	8.180	8.980	650158	421124	5.272	2.652	#
18)		Endrin Al...	8.387	9.095	500675	904494	3.421	4.348	#
19)		Endosulfa...	8.704	9.295	288869	398486	1.757	1.750	
20)		Methoxychlor	8.539	9.475	251333	998411	3.730	11.622	#
21)		Endrin Ke...	8.889	9.717f	196250	199602	1.028	0.801	
23)		Hexachlor...	3.211f	0.000	6592	0	11064.673	N.D.	#
24)		Hexachlor...	0.000	6.472f	0	6759	N.D.	BelowCal	
25)		Oxychlordane	7.256	7.935	156712	171809	0.672	0.439	#
26)		2,4'-DDE	7.351f	8.131	115102	153337	0.743	0.633	
27)		trans-Non...	7.495	8.204	198022	213141	0.797	0.545	#
28)		2,4'-DDD	7.707	8.506	263510	317193	2.207	1.693	
29)		2,4'-DDT	7.891	8.713	422003	558978	4.038	3.811	
30)		cis-Nonac...	7.976	8.762	481423	392011	2.153	1.146	#
31)		Mirex	8.636	9.717f	741229	199602	5.266	0.735	#
32)		Chlordane...	7.403	8.131	113942	153337	4.881	3.891	
33)		Chlordane...	7.495	8.219	198022	200782	7.458	6.131	
34)		Chlordane...	8.040f	8.918	334296	1629969	45.985	159.282	#
35)		Chlordane...	3.671f	0.000	5163	0	NoCal	N.D.	
36)		Toxaphene...	7.495	8.467	198022	532496	190.554	189.340	
37)		Toxaphene...	7.788	8.815	356203	676906	189.119	189.391	
38)		Toxaphene...	8.100	8.850	754269	1026403	185.026	183.827	
39)		Toxaphene...	8.341	8.918	729429	1629969	185.693	193.361	
40)		Toxaphene...	8.569	9.095	576091	904494	187.806	183.034	
41)		Toxaphene...	8.636	9.475	741229	998411	185.044	184.736	
42)		Toxaphene...	3.671f	0.000	5163	0	NoCal	N.D.	

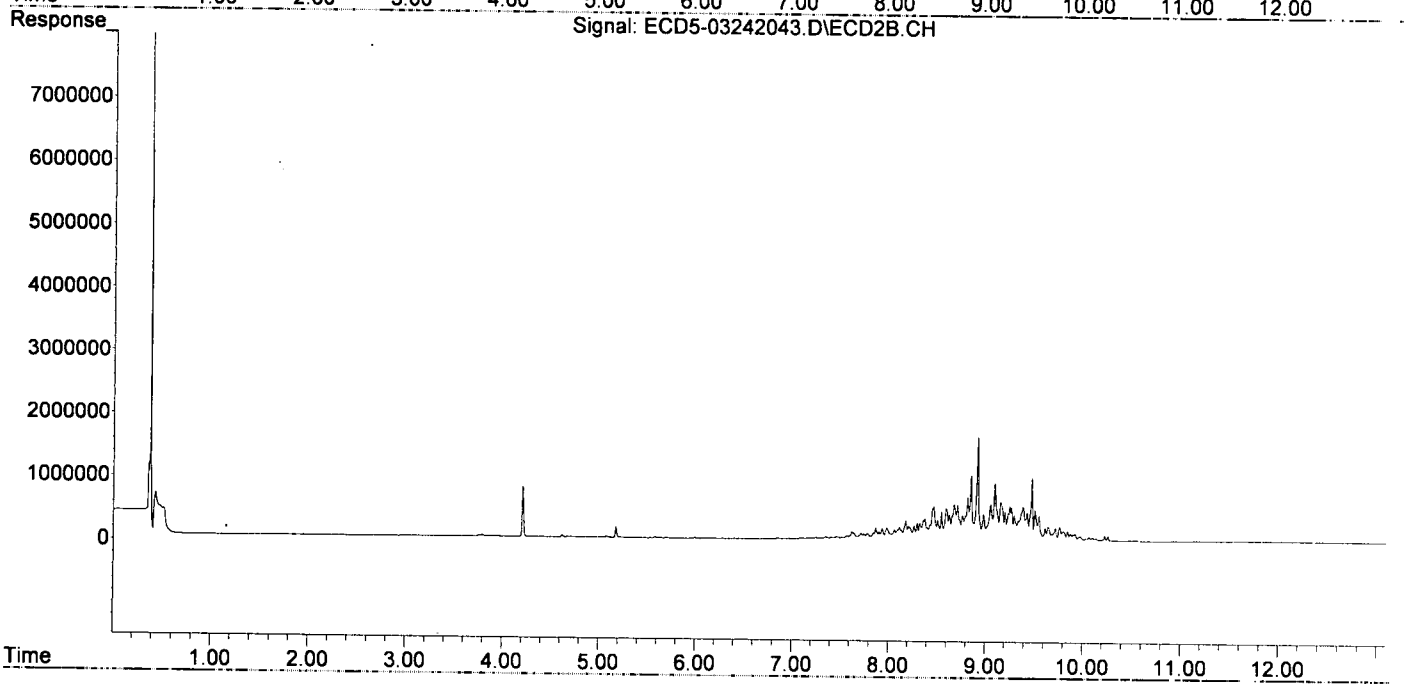
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:31
Operator : MJB
Sample : 0C24036-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:33 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:48
Operator : MJB
Sample : 0C24036-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

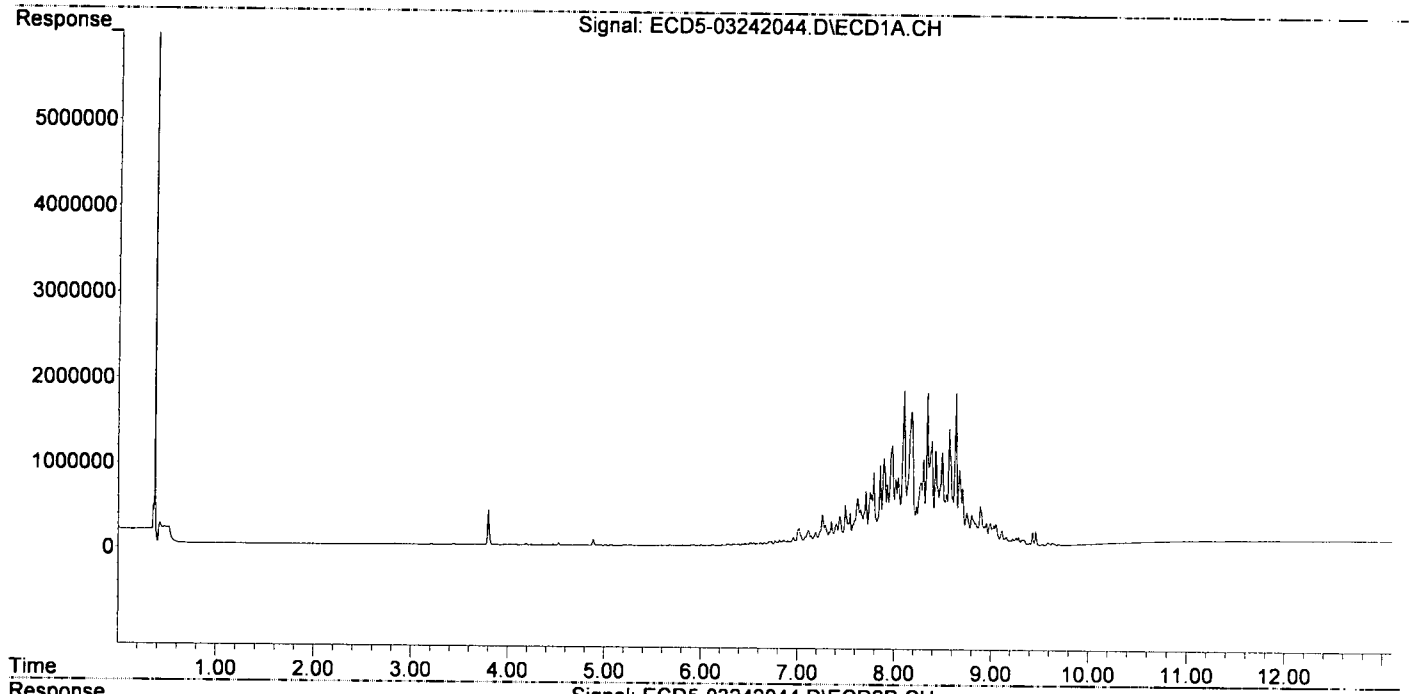
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.992	0	9382	N.D.	0.033	#
22)	S	DCBP (S)	9.584	10.529f	33820	44940	0.049	0.265	#
		Target Compounds							
2)		a-BHC	5.928	6.595	8676	11573	0.033	0.029	
3)		g-BHC	6.227	6.902	7404	37539	0.032	0.106	#
4)		b-BHC	6.280	6.961	18643	39706	0.195	0.265	#
5)		Heptachlor	6.619	7.285	32708	63849	0.147	0.191	#
6)		d-BHC	6.424	7.228	15027	60388	0.077	0.185	#
7)		Aldrin	6.863	7.579f	64104	132847	0.289	0.408	#
8)		Heptachlo...	7.351f	7.983	286610	423384	1.398	1.422	
9)		trans-Chl...	7.401	8.111f	262383	483290	1.259	1.595	#
10)		cis-Chlor...	7.494f	8.219f	474801	499372	2.319	1.721	#
11)		Endosulfa...	7.621	8.295	561950	612838	2.907	2.255	
12)		4,4'-DDE	7.543f	8.359	385602	765896	1.956	2.675	#
13)		Dieldrin	7.787	8.507	859180	743914	4.044	2.500	#
14)		Endrin	7.928f	8.712	722340	1349361	4.226	5.893	#
15)		4,4'-DDD	8.015	8.764	782724	942022	4.789	3.915	
16)		Endosulfa...	8.099	8.872	1819799	677173	10.861	2.823	#
17)		4,4'-DDT	8.178	8.979	1562486	1000457	12.535	6.159	#
18)		Endrin Al...	8.387	9.094	1207635	2276816	8.250	10.946	#
19)		Endosulfa...	8.704	9.295	669548	970427	4.072	4.262	
20)		Methoxychlor	8.538	9.475	606498	2424995	9.189	27.365	#
21)		Endrin Ke...	8.889	9.717f	458943	476452	2.403	1.911	
23)		Hexachlor...	3.212f	0.000	6245	0	11064.675	N.D.	#
24)		Hexachlor...	5.810f	6.450	4290	11394	BelowCal	BelowCal	
25)		Oxychlordane	7.256	7.934	368745	416745	1.928	1.447	
26)		2,4'-DDE	7.351f	8.111	286610	483290	2.167	2.452	
27)		trans-Non...	7.494	8.205	474801	482031	2.273	1.536	#
28)		2,4'-DDD	7.706	8.507	639511	743914	5.751	4.333	
29)		2,4'-DDT	7.892	8.712	1013964	1349361	9.923	9.350	
30)		cis-Nonac...	7.976	8.764	1168739	942022	5.551	3.050	#
31)		Mirex	8.635	9.717f	1789727	476452	13.302	2.373	#
32)		Chlordane...	7.437	8.111f	344882	483290	14.775	12.265	
33)		Chlordane...	7.494	8.219	474801	499372	17.882	15.249	
34)		Chlordane...	8.040f	8.917	800317	4046166	110.090	395.394	#
35)		Chlordane...	3.675f	0.000	4645	0	NoCal	N.D.	
36)		Toxaphene...	7.494	8.467	474801	1284194	456.894	456.621	
37)		Toxaphene...	7.787	8.815	859180	1632080	467.512	456.638	
38)		Toxaphene...	8.099	8.850	1819799	2521196	446.406	451.542	
39)		Toxaphene...	8.340	8.917	1782592	4046166	453.801	477.036	
40)		Toxaphene...	8.568	9.094	1366223	2276816	445.389	460.738	
41)		Toxaphene...	8.635	9.475	1789727	2424995	446.795	448.696	
42)		Toxaphene...	3.675f	0.000	4645	0	NoCal	N.D.	

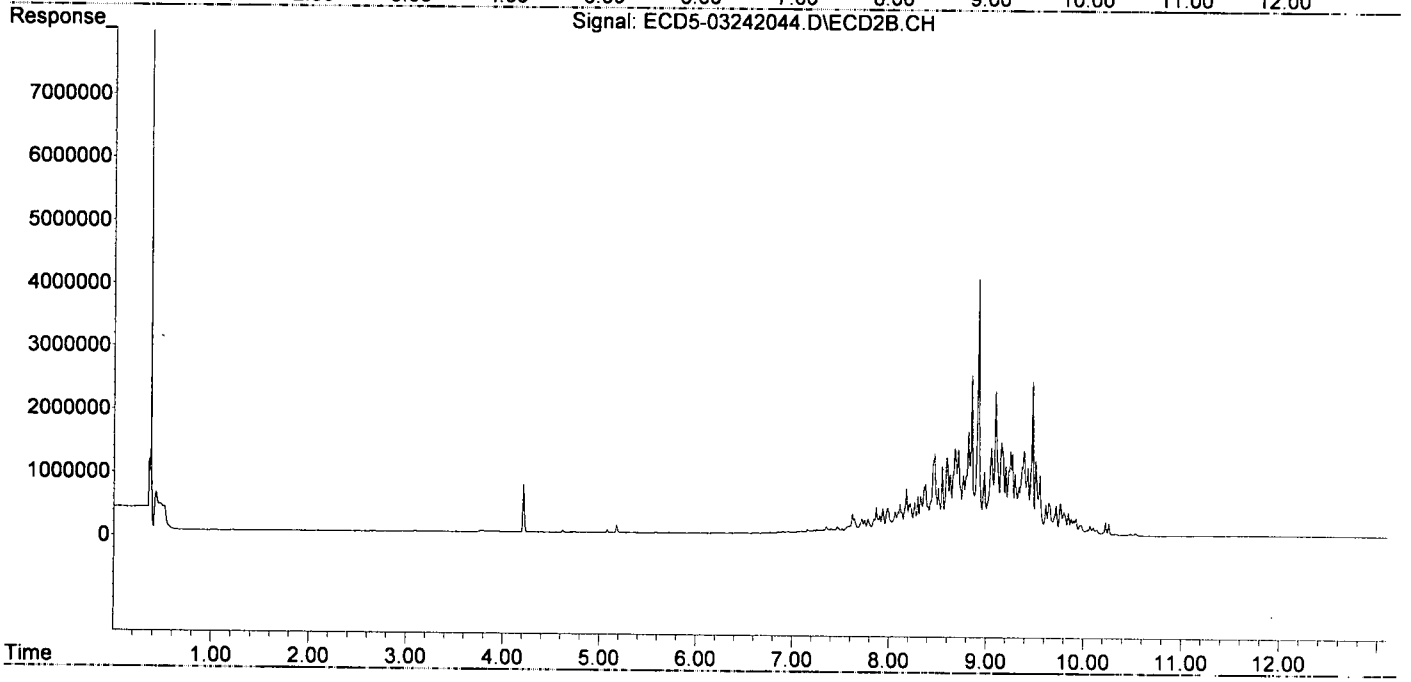
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:48
Operator : MJB
Sample : 0C24036-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:05
Operator : MJB
Sample : 0C24036-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/2020

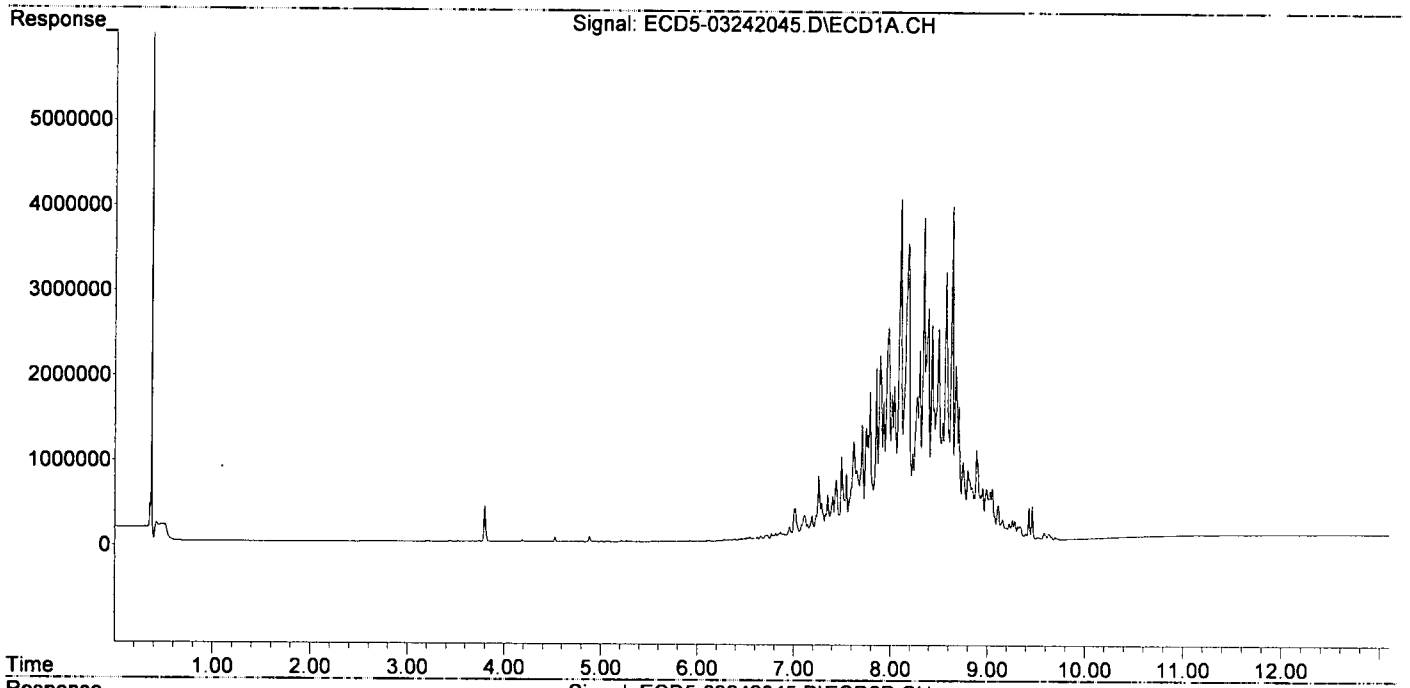
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.991	0	10997	N.D.	0.038	#
22)	S DCBP (S)	9.584	10.529f	84662	113998	0.392	0.671	#
	Target Compounds							
2)	a-BHC	5.927	6.593	11669	18033	0.044	0.045	
3)	g-BHC	6.223	6.902	10574	47663	0.046	0.135	#
4)	b-BHC	6.280	6.962	22168	64000	0.232	0.427	#
5)	Heptachlor	6.622	7.287	46422	94365	0.208	0.282	#
6)	d-BHC	6.458f	7.229	32084	82037	0.164	0.251	#
7)	Aldrin	6.862	7.579f	108373	231965	0.488	0.712	#
8)	Heptachlo...	7.350f	7.983	544981	850170	2.659	2.856	
9)	trans-Chl...	7.437	8.111f	719542	962191	3.452	3.176	
10)	cis-Chlor...	7.494f	8.219f	980575	930410	4.788	3.206	#
11)	Endosulfa...	7.621	8.294	1164849	1247476	6.025	4.591	
12)	4,4'-DDE	7.543f	8.359	789691	1535615	4.006	5.363	#
13)	Dieldrin	7.787	8.506	1744371	1548353	8.210	5.204	#
14)	Endrin	7.927f	8.712	1625428	3056033	9.509	13.346	#
15)	4,4'-DDD	8.015	8.763	1711649	2074394	10.473	8.621	
16)	Endosulfa...	8.100	8.850	4006607	5442521	23.913	22.687	
17)	4,4'-DDT	8.179	8.980	3482781	2240369	27.267	13.427	#
18)	Endrin Al...	8.386	9.094	2691844	4954854	18.390	23.821	#
19)	Endosulfa...	8.704	9.294	1569623	2190839	9.546	9.622	
20)	Methoxychlor	8.538	9.475	1381020	5554464	20.866	58.732	#
21)	Endrin Ke...	8.888	9.716f	1048461	1147861	5.490	4.604	
23)	Hexachlor...	3.211f	0.000	6495	0	11064.674	N.D.	#
24)	Hexachlor...	5.809f	6.451	5093	13743	BelowCal	BelowCal	
25)	Oxychlordane	7.256	7.934	761268	749374	4.255	2.813	#
26)	2,4'-DDE	7.350f	8.111	544981	962191	4.311	5.081	
27)	trans-Non...	7.494	8.204	980575	969245	4.968	3.325	#
28)	2,4'-DDD	7.706	8.506	1361069	1548353	12.535	9.276	#
29)	2,4'-DDT	7.891	8.712	2146628	3056033	20.991	20.897	
30)	cis-Nonac...	7.976	8.763	2501732	2074394	12.126	6.945	#
31)	Mirex	8.634	9.716f	3945722	1147861	29.897	6.329	#
32)	Chlordane...	7.437	8.111	719542	962191	30.826	24.419	
33)	Chlordane...	7.494	8.219	980575	930410	36.930	28.411	
34)	Chlordane...	8.039f	8.918	1808825	8989591	248.818	878.470	#
35)	Chlordane...	3.672f	0.000	5179	0	NoCal	N.D.	
36)	Toxaphene...	7.494	8.467	980575	2709679	943.595	963.480	
37)	Toxaphene...	7.787	8.815	1744371	3583528	982.912	1002.630	
38)	Toxaphene...	8.100	8.850	4006607	5442521	982.842	974.747	
39)	Toxaphene...	8.339	8.918	3786246	8989591	963.879	1026.880	
40)	Toxaphene...	8.568	9.094	3148951	4954854	1026.558	1002.667	
41)	Toxaphene...	8.634	9.475	3945722	5554464	985.027	1027.740	
42)	Toxaphene...	3.672f	0.000	5179	0	NoCal	N.D.	

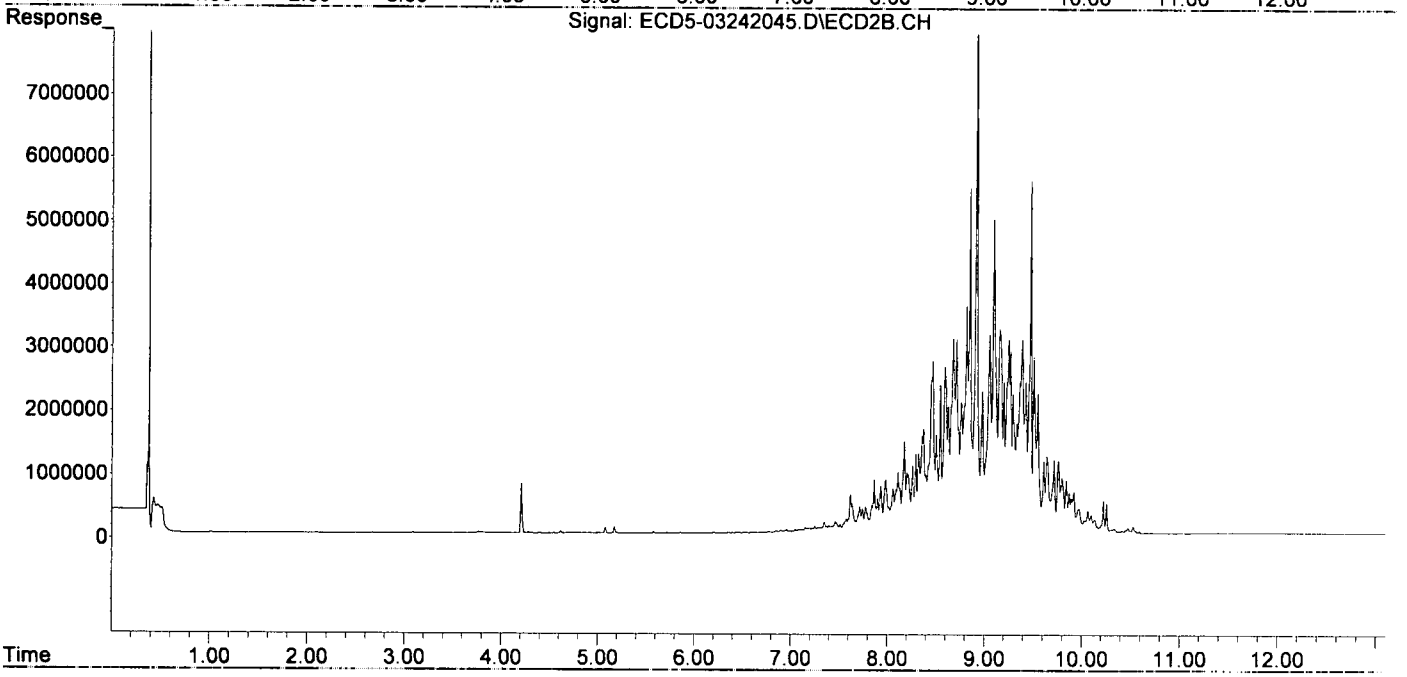
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:05
Operator : MJB
Sample : 0C24036-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:03:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\REQUANT\
Data File : ECD5-03242046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:22
Operator : MJB
Sample : 0C24036-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:04:01 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

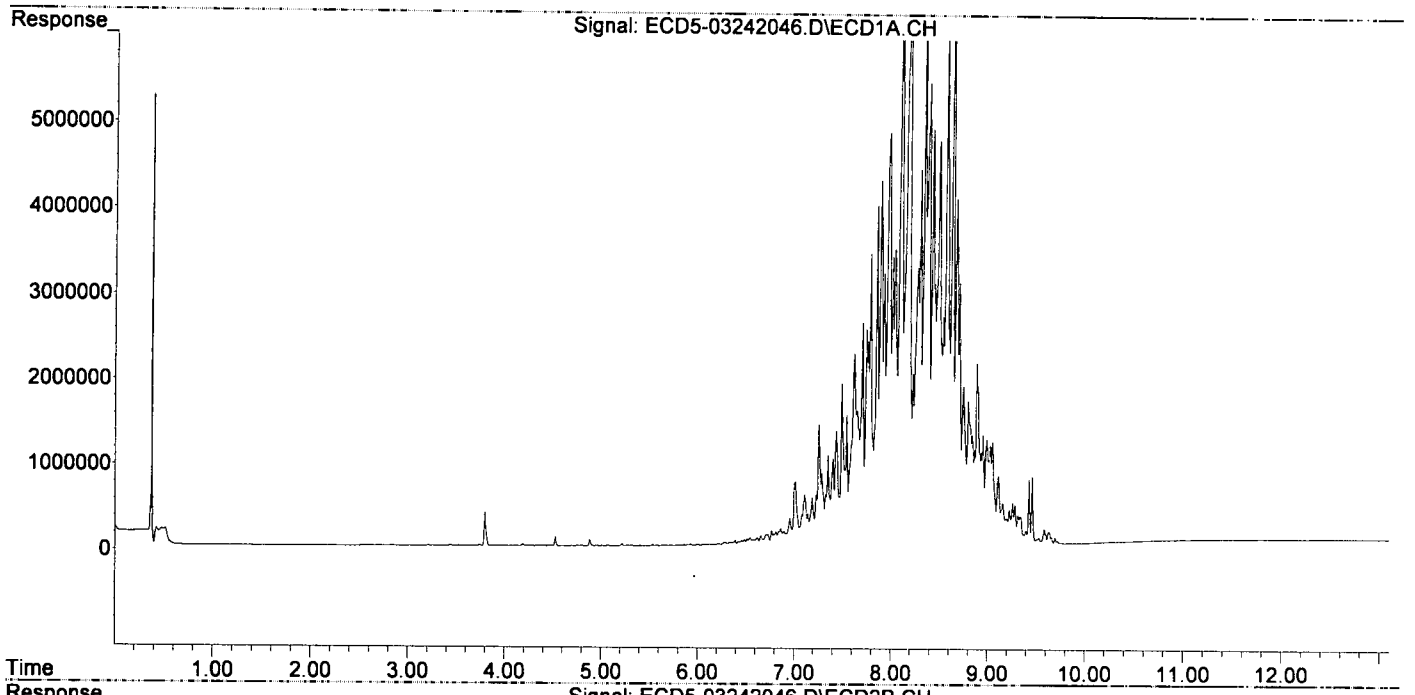
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.402	5.990	4139	11232	0.021	0.039	#
22)	S DCBP (S)	9.584	10.529f	176039	231599	1.007	1.364	#
	Target Compounds							
2)	a-BHC	5.927	6.593	21218	32288	0.081	0.080	
3)	g-BHC	6.222	6.903	21859	80974	0.096	0.229	#
4)	b-BHC	6.283	6.962	38957	108819	0.407	0.725	#
5)	Heptachlor	6.622	7.287	84300	160028	0.378	0.477	#
6)	d-BHC	6.423	7.229	43925	136785	0.225	0.419	#
7)	Aldrin	6.862	7.578f	198486	404479	0.894	1.241	#
8)	Heptachlo...	7.350f	7.983	1043975	1592051	5.094	5.349	
9)	trans-Chl...	7.436	8.111f	1330139	1822950	6.381	6.017	
10)	cis-Chlor...	7.493f	8.262f	1881314	2020786	9.187	6.964	
11)	Endosulfa...	7.621	8.294	2241742	2382249	11.595	8.767	
12)	4,4'-DDE	7.543f	8.358	1507159	2938270	7.646	10.261	#
13)	Dieldrin	7.787	8.506	3407462	2944242	16.038	9.896	#
14)	Endrin	7.927f	8.712	3168017	6054059	18.534	26.439	#
15)	4,4'-DDD	8.015	8.764	3367178	4077595	20.603	16.947	
16)	Endosulfa...	8.099	8.850	7722060	11042450	46.089	46.029	
17)	4,4'-DDT	8.180	8.980	6656550	4465929	50.193	25.760	#
18)	Endrin Al...	8.386	9.094	5336726	10220382	36.460	49.136	#
19)	Endosulfa...	8.704	9.294	3061960	4382062	18.621	19.245	
20)	Methoxychlor	8.538	9.475	2662629	11188892	39.556	107.579	#
21)	Endrin Ke...	8.888	9.716f	2090435	2279453	10.946	9.143	
23)	Hexachlor...	3.212f	0.000	5930	0	11064.677	N.D.	#
24)	Hexachlor...	5.777	6.450	4503	19873	BelowCal	BelowCal	
25)	Oxychlordane	7.255	7.934	1403045	1403992	8.057	5.490	#
26)	2,4'-DDE	7.350f	8.111	1043975	1822950	8.442	9.769	
27)	trans-Non...	7.493	8.204	1881314	1887538	9.763	6.679	#
28)	2,4'-DDD	7.706	8.506	2600542	2944242	24.135	17.752	#
29)	2,4'-DDT	7.891	8.712	4223723	6054059	40.671	39.998	
30)	cis-Nonac...	7.976	8.764	4822510	4077595	23.524	13.760	#
31)	Mirex	8.634	9.716f	7995315	2279453	61.331	12.946	#
32)	Chlordane...	7.436	8.111	1330139	1822950	56.984	46.263	
33)	Chlordane...	7.493	8.218f	1881314	1737384	70.853	53.052	#
34)	Chlordane...	8.039f	8.917	3458254	18548434	475.711	1812.567	#
35)	Chlordane...	3.673f	0.000	5120	0	NoCal	N.D.	
36)	Toxaphene...	7.493	8.467	1881314	5232351	1810.364	1860.466	
37)	Toxaphene...	7.787	8.815	3407462	6997810	2064.248	1957.908	
38)	Toxaphene...	8.099	8.850	7722060	11042450	1894.263	1977.685	
39)	Toxaphene...	8.339	8.917	7409380	18548434	1886.235	1996.985	
40)	Toxaphene...	8.568	9.094	6159134	10220382	2007.879	2068.202	
41)	Toxaphene...	8.634	9.475	7995315	11188892	1995.986	2070.277	
42)	Toxaphene...	3.673f	0.000	5120	0	NoCal	N.D.	

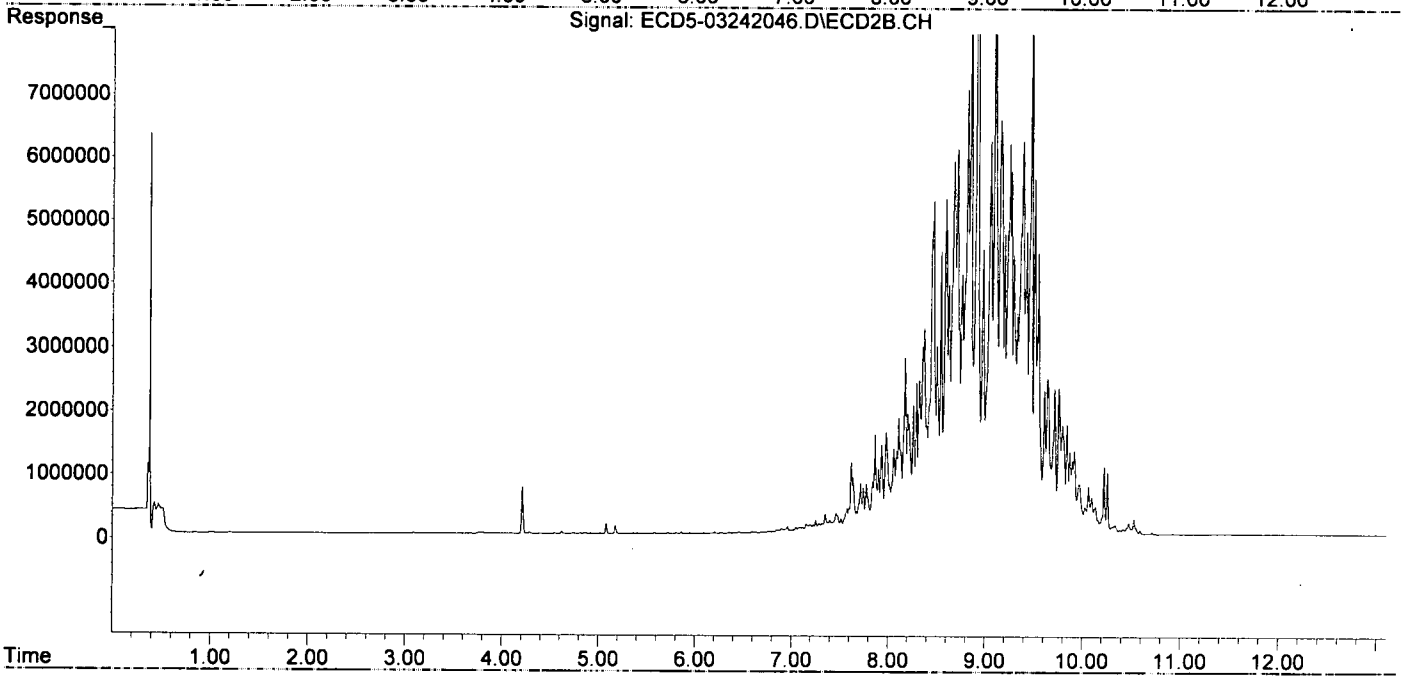
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\REQUANT\
Data File : ECD5-03242046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:22
Operator : MJB
Sample : 0C24036-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 13:04:01 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:47:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\0C24036.s
Comment: Pesticides
Operator: MJB
Data Path: C:\MSDCHEM\1\DATA\2020-03\0C24036\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line			Sample Name/Misc Info
1)	Sample	1	Hexane
	Datafile		ECD5-03242001
	Method		ECD5_AQUPEST_160111
2)	Sample	1	Hexane
	Datafile		ECD5-03242002
	Method		ECD5_AQUPEST_160111
3)	Sample	2	0C24036-BKD1 — Maintenance performed
	Datafile		ECD5-03242003
	Method		ECD5_AQUPEST_160111
4)	Sample	1	Hexane
	Datafile		ECD5-03242004
	Method		ECD5_AQUPEST_160111
5)	Sample	2	0C24036-BKD2
	Datafile		ECD5-03242005
	Method		ECD5_AQUPEST_160111
6)	Sample	3	0C24036-ICB1
	Datafile		ECD5-03242006
	Method		ECD5_AQUPEST_160111
7)	Sample	4	0C24036-CAL1
	Datafile		ECD5-03242007
	Method		ECD5_AQUPEST_160111
8)	Sample	5	0C24036-CAL2
	Datafile		ECD5-03242008
	Method		ECD5_AQUPEST_160111
9)	Sample	6	0C24036-CAL3
	Datafile		ECD5-03242009
	Method		ECD5_AQUPEST_160111
10)	Sample	7	0C24036-CAL4
	Datafile		ECD5-03242010
	Method		ECD5_AQUPEST_160111
11)	Sample	8	0C24036-CAL5
	Datafile		ECD5-03242011
	Method		ECD5_AQUPEST_160111
12)	Sample	9	0C24036-CAL6
	Datafile		ECD5-03242012
	Method		ECD5_AQUPEST_160111
13)	Sample	10	0C24036-CAL7
	Datafile		ECD5-03242013
	Method		ECD5_AQUPEST_160111
14)	Sample	11	0C24036-CAL8
	Datafile		ECD5-03242014
	Method		ECD5_AQUPEST_160111
15)	Sample	12	0C24036-CAL9
	Datafile		ECD5-03242015
	Method		ECD5_AQUPEST_160111
16)	Sample	1	0C24036-IBL1
	Datafile		ECD5-03242016
	Method		ECD5_AQUPEST_160111
17)	Sample	13	0C24036-ICV1
	Datafile		ECD5-03242017
	Method		ECD5_AQUPEST_160111
18)	Sample	14	0C24036-CALA
	Datafile		ECD5-03242018
	Method		ECD5_AQUPEST_160111
19)	Sample	15	0C24036-CALB
	Datafile		ECD5-03242019
	Method		ECD5_AQUPEST_160111
20)	Sample	16	0C24036-CALC → Run did not complete, re-ran point.

MJB 3/25/20

Datafile		ECD5-03242020
Method		ECD5_AQUPEST_160111
21) Sample	1	Hexane
Datafile		ECD5-03242021
Method		ECD5_AQUPEST_160111
22) Sample	16	0C24036-CALC
Datafile		ECD5-03242022
Method		ECD5_AQUPEST_160111
23) Sample	17	0C24036-CALD
Datafile		ECD5-03242023
Method		ECD5_AQUPEST_160111
24) Sample	18	0C24036-CALE
Datafile		ECD5-03242024
Method		ECD5_AQUPEST_160111
25) Sample	19	0C24036-CALF
Datafile		ECD5-03242025
Method		ECD5_AQUPEST_160111
26) Sample	20	0C24036-CALG
Datafile		ECD5-03242026
Method		ECD5_AQUPEST_160111
27) Sample	21	0C24036-CALH
Datafile		ECD5-03242027
Method		ECD5_AQUPEST_160111
28) Sample	22	0C24036-CALI
Datafile		ECD5-03242028
Method		ECD5_AQUPEST_160111
29) Sample	1	0C24036-IBL2
Datafile		ECD5-03242029
Method		ECD5_AQUPEST_160111
30) Sample	23	0C24036-ICV2
Datafile		ECD5-03242030
Method		ECD5_AQUPEST_160111
31) Sample	24	0C24036-CALJ
Datafile		ECD5-03242031
Method		ECD5_AQUPEST_160111
32) Sample	25	0C24036-CALK
Datafile		ECD5-03242032
Method		ECD5_AQUPEST_160111
33) Sample	26	0C24036-CALL
Datafile		ECD5-03242033
Method		ECD5_AQUPEST_160111
34) Sample	27	0C24036-CALM
Datafile		ECD5-03242034
Method		ECD5_AQUPEST_160111
35) Sample	28	0C24036-CALN
Datafile		ECD5-03242035
Method		ECD5_AQUPEST_160111
36) Sample	29	0C24036-CALO
Datafile		ECD5-03242036
Method		ECD5_AQUPEST_160111
37) Sample	30	0C24036-CALP
Datafile		ECD5-03242037
Method		ECD5_AQUPEST_160111
38) Sample	1	0C24036-IBL3
Datafile		ECD5-03242038
Method		ECD5_AQUPEST_160111
39) Sample	31	0C24036-ICV3
Datafile		ECD5-03242039
Method		ECD5_AQUPEST_160111
40) Sample	32	0C24036-CALQ
Datafile		ECD5-03242040
Method		ECD5_AQUPEST_160111
41) Sample	33	0C24036-CALR
Datafile		ECD5-03242041
Method		ECD5_AQUPEST_160111
42) Sample	34	0C24036-CALS
Datafile		ECD5-03242042
Method		ECD5_AQUPEST_160111
43) Sample	35	0C24036-CALT
Datafile		ECD5-03242043
Method		ECD5_AQUPEST_160111

Sequence Name: C:\msdchem\1\sequence\0C24036.s

	Line Type	Vial	DataFile	Method	Sample Name
44)	Sample	36	0C24036-CALU		
	Datafile		ECD5-03242044		
	Method			ECD5_AQUPEST_160111	
45)	Sample	37	0C24036-CALV		
	Datafile		ECD5-03242045		
	Method			ECD5_AQUPEST_160111	
46)	Sample	38	0C24036-CALW		
	Datafile		ECD5-03242046		
	Method			ECD5_AQUPEST_160111	
47)	Sample	1	0C24036-IBL4		
	Datafile		ECD5-03242047		
	Method			ECD5_AQUPEST_160111	
48)	Sample	39	0C24036-ICV4		
	Datafile		ECD5-03242048		
	Method			ECD5_AQUPEST_160111	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:33:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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 3/25/20

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.392	5.987	110536	164456	0.514	0.478
22)	S	DCBP (S)	9.590	10.554	98116	90290	0.373	0.466
		Target Compounds						
2)		a-BHC	5.931	6.595	137171	190412	0.480	0.456
3)		g-BHC	6.214	6.914	120065	177278	0.476	0.434
4)		b-BHC	6.291	6.978	56206	85651	0.333	0.336
5)		Heptachlor	6.624	7.289	125615	176454	0.539	0.474
6)		d-BHC	6.442	7.234	93927	154610	0.374	0.353
7)		Aldrin	6.865	7.555	116958	161744	0.487	0.426
8)		Heptachlo...	7.327	7.994	116602	157622	0.518	0.457
9)		trans-Chl...	7.422	8.134	117895	159223	0.518	0.450
10)		cis-Chlor...	7.519	8.242	120376	155733	0.545	0.467
11)		Endosulfa...	7.618	8.292	109155	139375	0.530	0.449
12)		4,4'-DDE	7.581	8.348	104194	137534	0.462	0.445
13)		Dieldrin	7.789	8.493	115621	146999	0.502	0.424
14)		Endrin	7.954	8.721	94731	117807	0.572	0.507
15)		4,4'-DDD	8.003	8.765	89339	121353	0.479	0.458
16)		Endosulfa...	8.112	8.868	94859	127427	0.334	0.338
17)		4,4'-DDT	8.199	8.990	64160	75283	0.449	0.497
18)		Endrin Al...	8.402	9.105	~~134379~~	~~174071~~	0.446	0.411
19)		Endosulfa...	8.704	9.296	96545	122422	0.199	0.178
20)		Methoxychlor	8.534	9.470	42088	48420	0.423	0.492
21)		Endrin Ke...	8.898	9.696	113093	132508	0.349	0.339
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

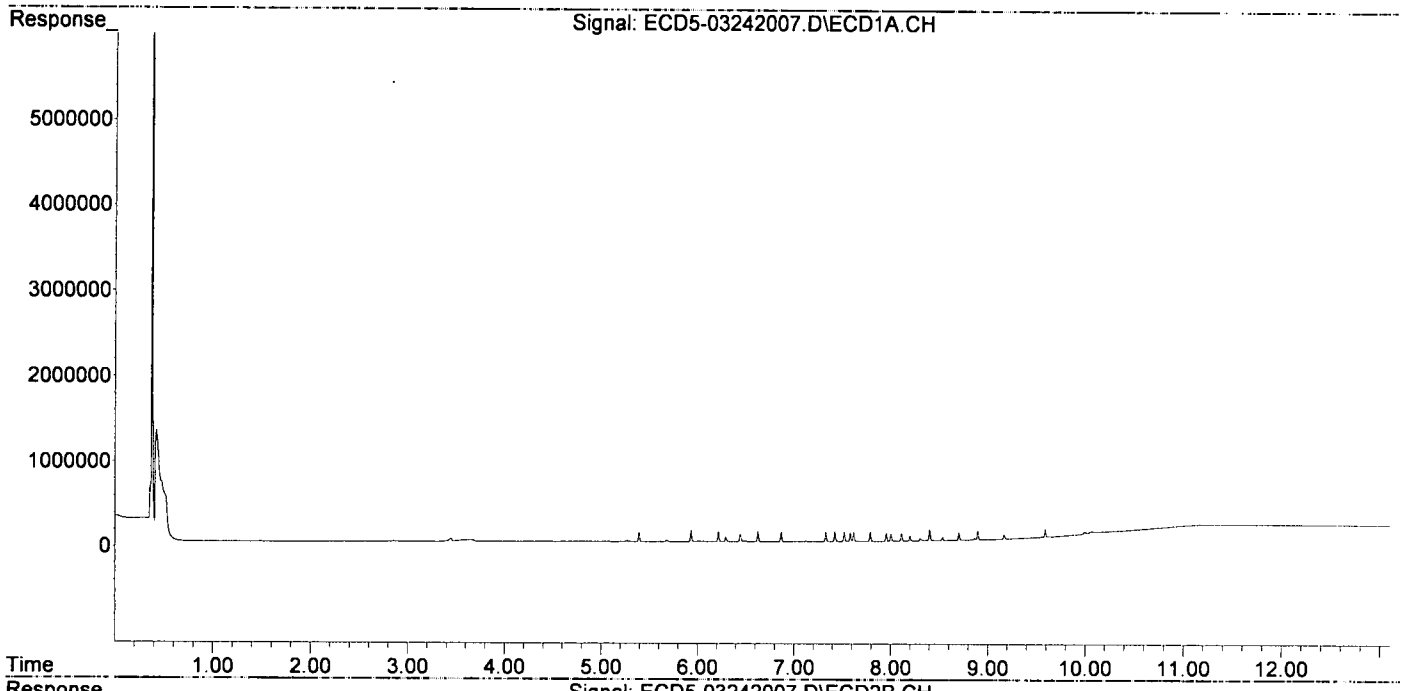
Not used in cal.

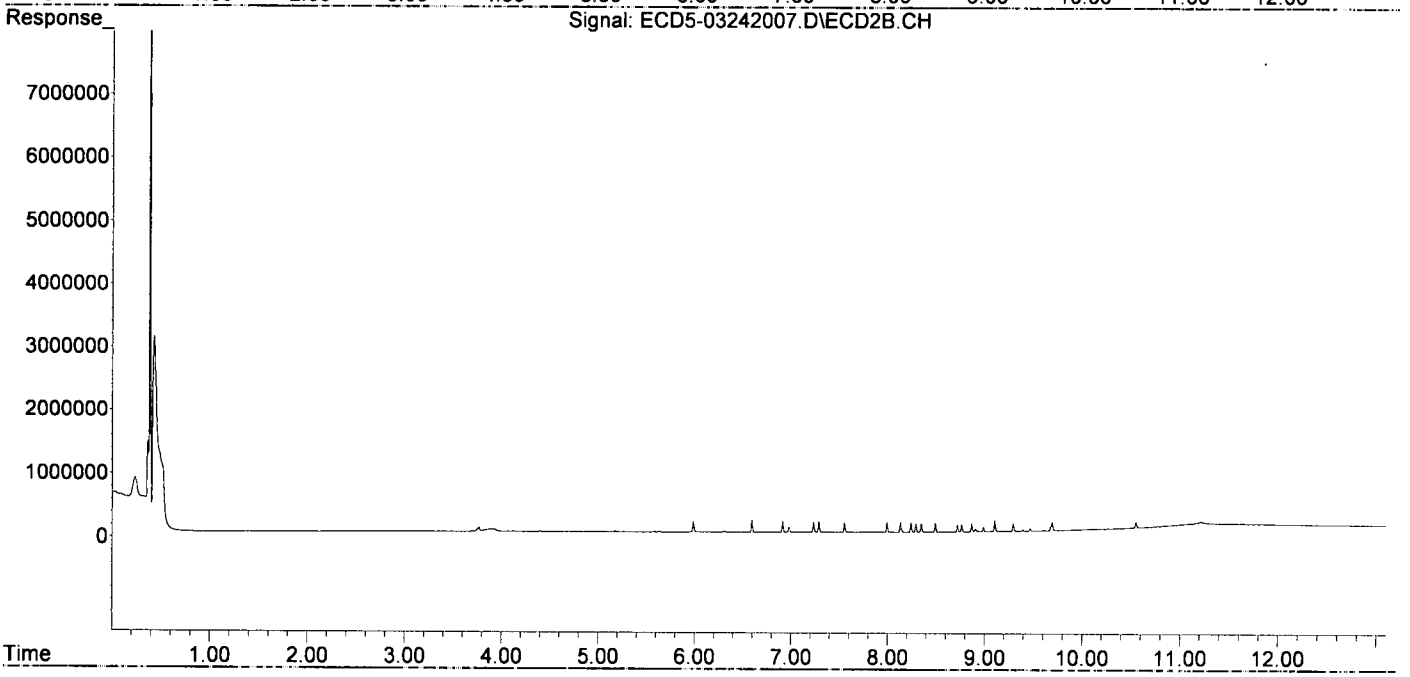
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:15
Operator : MJB
Sample : 0C24036-CAL1
Misc : A20C398, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:33:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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\2020-03\0C24036\
Data File : ECD5-03242008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:33
Operator : MJB
Sample : 0C24036-CAL2
Misc : A20C178, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:33:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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 3/25/20

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.392	5.988	207645	286301	0.966	0.831
22)	S	DCBP (S)	9.591	10.555	181183	178563	0.902	0.921
		Target Compounds						
2)		a-BHC	5.932	6.596	265596	377299	0.929	0.881
3)		g-BHC	6.215	6.914	235537	342671	0.933	0.839
4)		b-BHC	6.291	6.979	105215	160782	0.792	0.788
5)		Heptachlor	6.624	7.290	230067	329837	0.987	0.886
6)		d-BHC	6.442	7.235	184376	305632	0.733	0.771
7)		Aldrin	6.866	7.556	228121	307770	0.949	0.811
8)		Heptachlo...	7.328	7.995	224847	298486	0.999	0.865
9)		trans-Chl...	7.423	8.135	218460	299115	0.960	0.846
10)		cis-Chlor...	7.520	8.243	222249	292209	1.006	0.876
11)		Endosulfa...	7.618	8.293	202673	271030	0.984	0.873
12)		4,4'-DDE	7.582	8.349	200955	269052	0.891	0.840
13)		Dieldrin	7.790	8.494	219208	291990	0.951	0.843
14)		Endrin	7.955	8.722	176915	222568	1.067	0.985
15)		4,4'-DDD	8.003	8.765	171895	235370	0.923	0.891
16)		Endosulfa...	8.112	8.869	179623	236237	0.842	0.793
17)		4,4'-DDT	8.200	8.992	121352	143366	0.857	0.871
18)		Endrin Al...	8.402	9.106	~~255838~~	~~337369~~	1.261	1.178
19)		Endosulfa...	8.703	9.297	181494	232214	0.744	0.687
20)		Methoxychlor	8.535	9.471	79126	89258	0.954	0.940
21)		Endrin Ke...	8.898	9.698	212548	246568	0.877	0.798
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

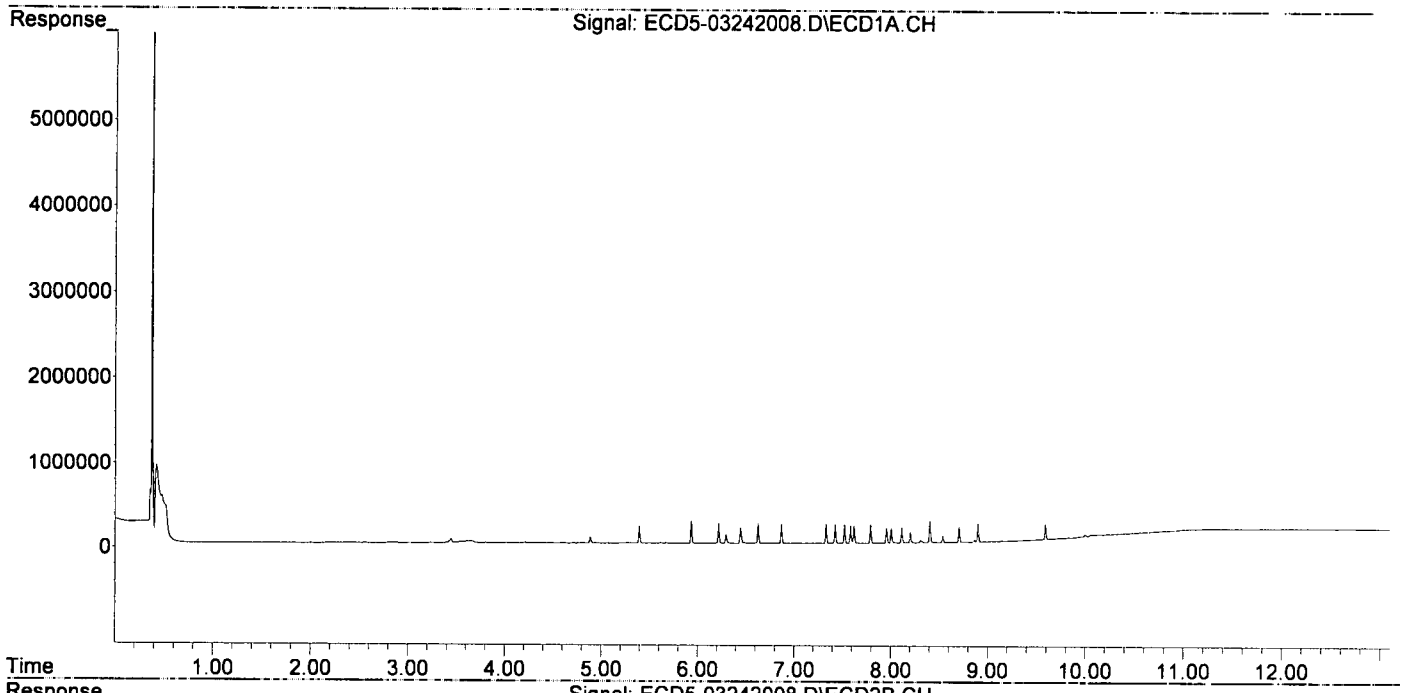
Not used in cal

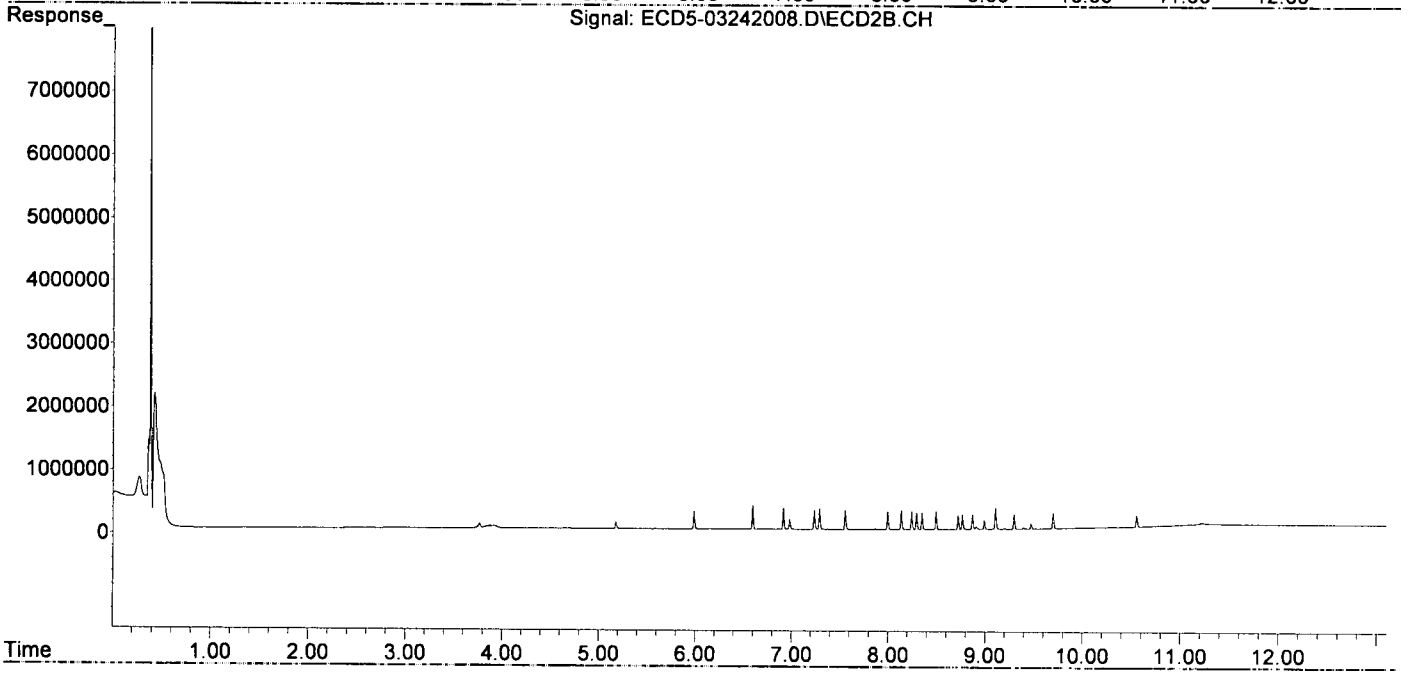
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:33
Operator : MJB
Sample : 0C24036-CAL2
Misc : A20C178, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:33:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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\2020-03\0C24036\
Data File : ECD5-03242009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:50
Operator : MJB
Sample : 0C24036-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:34:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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 3/25/20

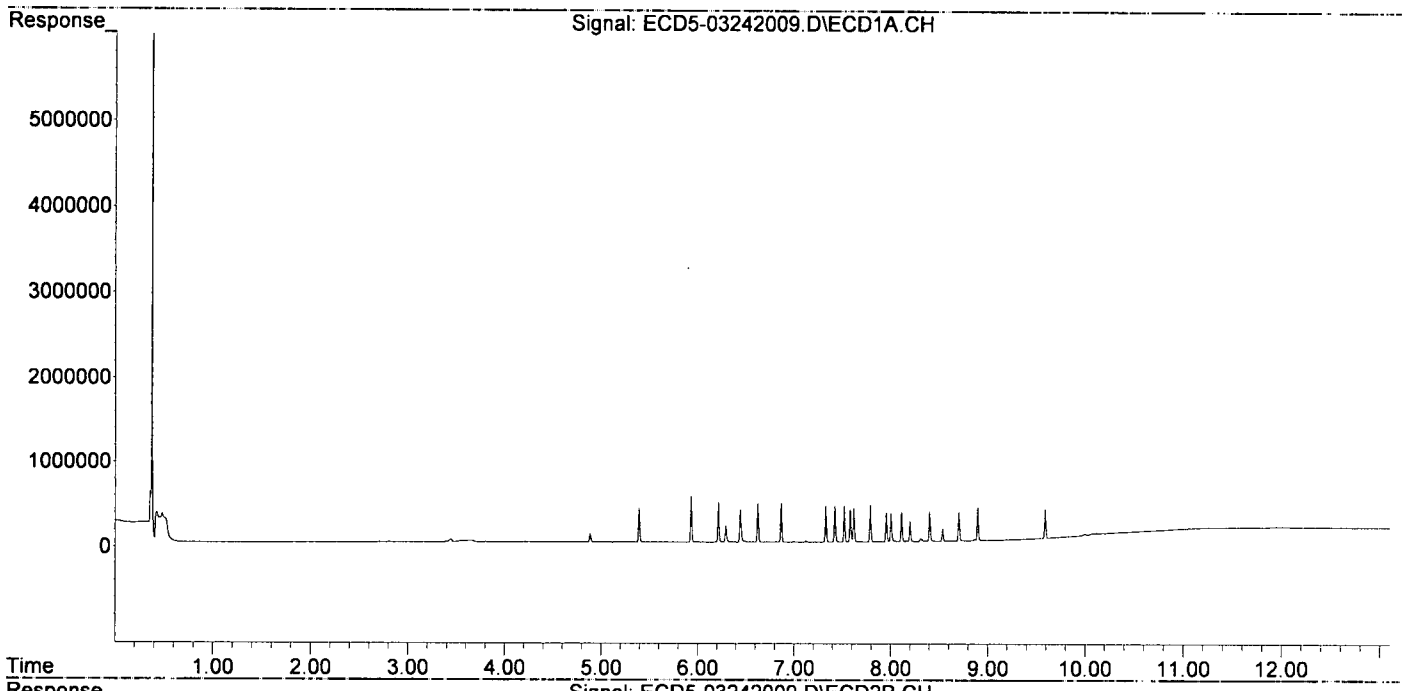
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.390	5.986	389246	549729	1.811	1.596
22) S	DCBP (S)	9.589	10.552	338359	341403	1.905	1.760
	Target Compounds						
2)	a-BHC	5.930	6.594	533325	769730	1.866	1.771
3)	g-BHC	6.213	6.913	461944	680129	1.830	1.664
4)	b-BHC	6.289	6.977	193610	302962	1.619	1.642
5)	Heptachlor	6.622	7.287	451051	669996	1.935	1.799
6)	d-BHC	6.440	7.233	371970	619769	1.479	1.640
7)	Aldrin	6.863	7.554	446847	627199	1.860	1.653
8)	Heptachlo...	7.326	7.994	421620	587296	1.873	1.702
9)	trans-Chl...	7.421	8.133	420963	584049	1.850	1.652
10)	cis-Chlor...	7.518	8.241	418487	563394	1.894	1.690
11)	Endosulfa...	7.616	8.292	394005	531137	1.913	1.711
12)	4,4'-DDE	7.579	8.347	377407	535383	1.674	1.637
13)	Dieldrin	7.788	8.493	423831	559484	1.839	1.615
14)	Endrin	7.953	8.720	337729	427288	2.038	1.918
15)	4,4'-DDD	8.001	8.764	324983	459481	1.744	1.741
16)	Endosulfa...	8.110	8.868	336277	458827	1.782	1.720
17)	4,4'-DDT	8.198	8.990	239428	293276	1.697	1.691
18)	Endrin Al...	8.400	9.105	339697	448662	1.823	1.701
19)	Endosulfa...	8.702	9.295	331487	442393	1.708	1.659
20)	Methoxychlor	8.534	9.469	141470	178580	1.846	1.918
21)	Endrin Ke...	8.896	9.696	384343	474690	1.787	1.714
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

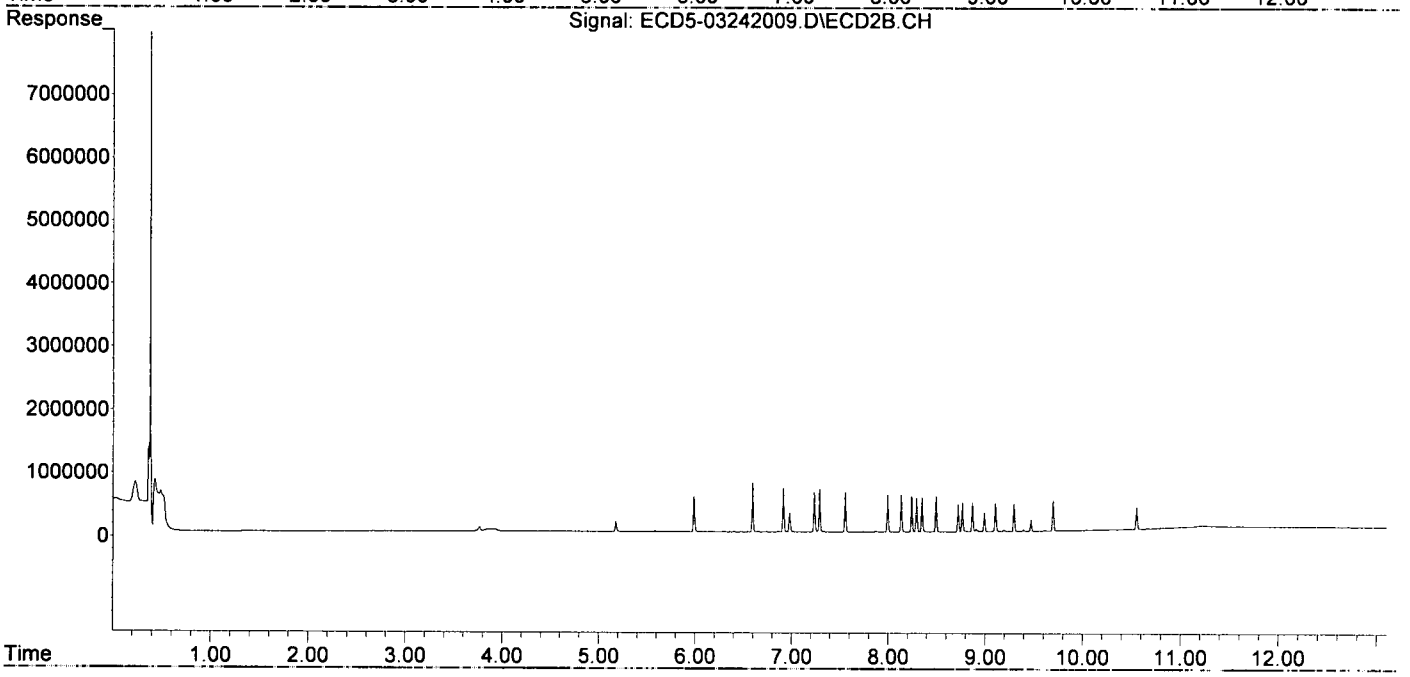
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 14:50
Operator : MJB
Sample : 0C24036-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:34:27 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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\2020-03\0C24036\
Data File : ECD5-03242010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:07
Operator : MJB
Sample : 0C24036-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:35:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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 3/25/20

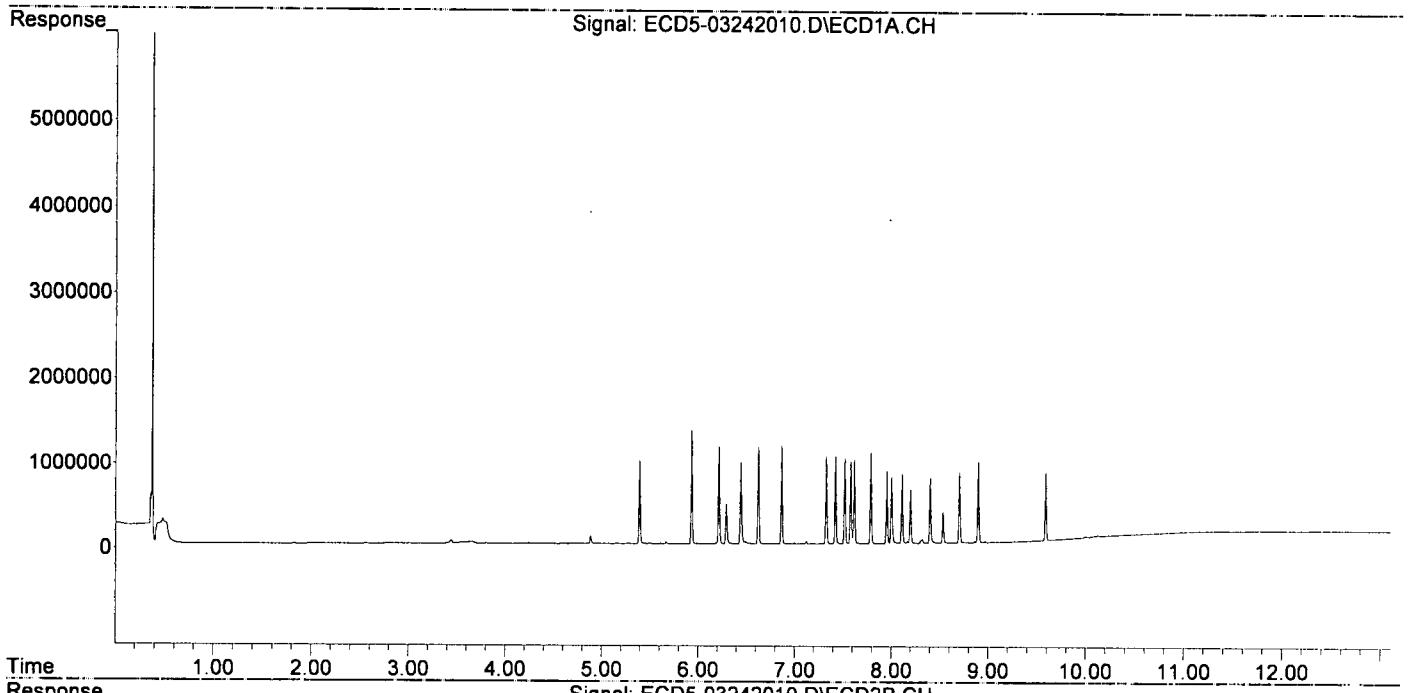
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.390	5.986	964743	1335959	4.489	3.879
22) S	DCBP (S)	9.588	10.553	799034	836468	4.842	4.313
	Target Compounds						
2)	a-BHC	5.930	6.594	1329593	1962158	4.652	4.464
3)	g-BHC	6.213	6.913	1144128	1681533	4.533	4.115
4)	b-BHC	6.289	6.977	468025	728404	4.187	4.192
5)	Heptachlor	6.622	7.288	1139576	1622489	4.888	4.358
6)	d-BHC	6.439	7.233	956714	1544609	3.805	4.185
7)	Aldrin	6.863	7.554	1150626	1571627	4.789	4.143
8)	Heptachlo...	7.325	7.993	1022828	1429908	4.544	4.145
9)	trans-Chl...	7.420	8.133	1026948	1462256	4.513	4.137
10)	cis-Chlor...	7.518	8.241	1009258	1388464	4.567	4.164
11)	Endosulfa...	7.616	8.291	985546	1319107	4.785	4.250
12)	4,4'-DDE	7.579	8.347	966330	1383430	4.287	4.168
13)	Dieldrin	7.787	8.493	1062097	1421532	4.608	4.104
14)	Endrin	7.952	8.720	846370	1113227	5.106	5.022
15)	4,4'-DDD	8.001	8.764	779676	1150449	4.184	4.350
16)	Endosulfa...	8.109	8.868	815737	1121325	4.657	4.468
17)	4,4'-DDT	8.197	8.990	628966	826552	4.458	4.579
18)	Endrin Al...	8.400	9.104	757621	1046598	4.623	4.497
19)	Endosulfa...	8.702	9.295	818686	1094098	4.836	4.659
20)	Methoxychlor	8.533	9.469	355516	445546	4.896	4.817
21)	Endrin Ke...	8.896	9.695	944342	1186676	4.752	4.558
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

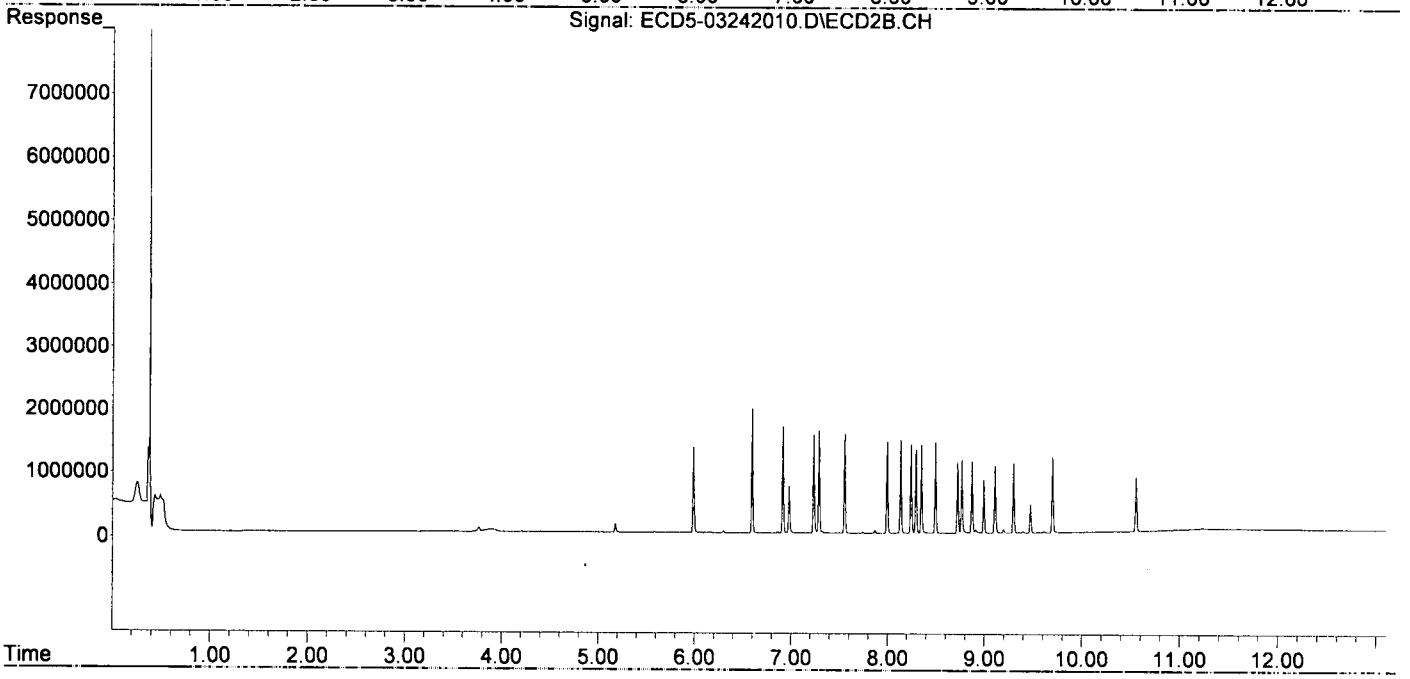
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:07
Operator : MJB
Sample : 0C24036-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:35:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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\2020-03\0C24036\
Data File : ECD5-03242011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:24
Operator : MJB
Sample : 0C24036-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:35:36 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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 3/25/20

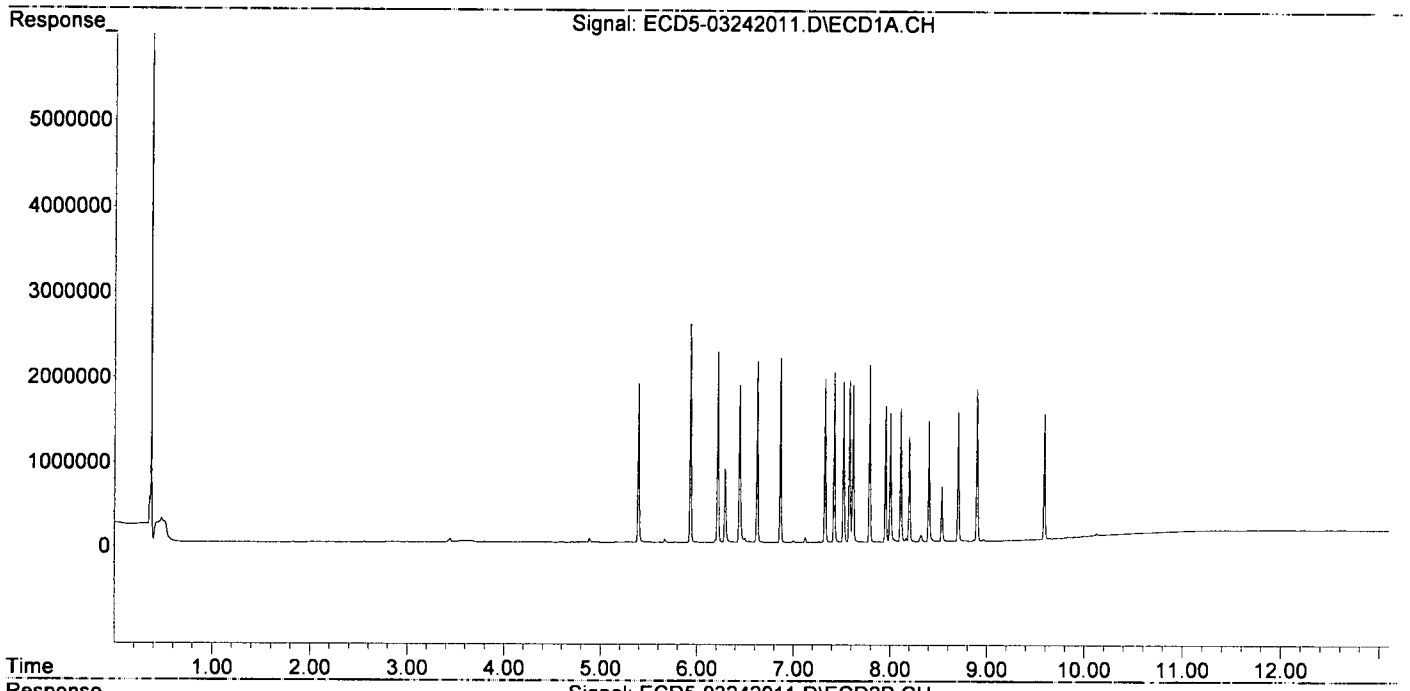
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.391	5.987	1871440	2672852	8.707	7.761
22) S	DCBP (S)	9.589	10.554	1476751	1539567	9.161	7.938
	Target Compounds						
2)	a-BHC	5.930	6.595	2560403	3940249	8.959	8.891
3)	g-BHC	6.213	6.913	2232104	3375199	8.843	8.259
4)	b-BHC	6.289	6.977	872767	1376406	7.977	8.063
5)	Heptachlor	6.623	7.288	2121785	3095659	9.101	8.314
6)	d-BHC	6.439	7.233	1855154	3066052	7.377	8.331
7)	Aldrin	6.864	7.555	2164338	3095998	9.008	8.161
8)	Heptachlo...	7.326	7.994	1918192	2823127	8.521	8.183
9)	trans-Chl...	7.421	8.134	1997780	2808234	8.780	7.945
10)	cis-Chlor...	7.518	8.242	1892390	2750743	8.563	8.249
11)	Endosulfa...	7.616	8.292	1839301	2496249	8.930	8.043
12)	4,4'-DDE	7.579	8.348	1899226	2682066	8.425	8.018
13)	Dieldrin	7.787	8.493	2075053	2800716	9.003	8.085
14)	Endrin	7.952	8.720	1604775	2149089	9.682	9.652
15)	4,4'-DDD	8.001	8.764	1528268	2247089	8.202	8.455
16)	Endosulfa...	8.109	8.868	1565837	2179899	9.146	8.817
17)	4,4'-DDT	8.198	8.990	1240165	1621620	8.755	8.800
18)	Endrin Al...	8.400	9.105	1418667	1961779	9.051	8.742
19)	Endosulfa...	8.702	9.295	1519791	2092636	9.330	9.215
20)	Methoxychlor	8.534	9.470	649462	846036	9.056	9.099
21)	Endrin Ke...	8.896	9.696	1786134	2307847	9.195	8.992
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

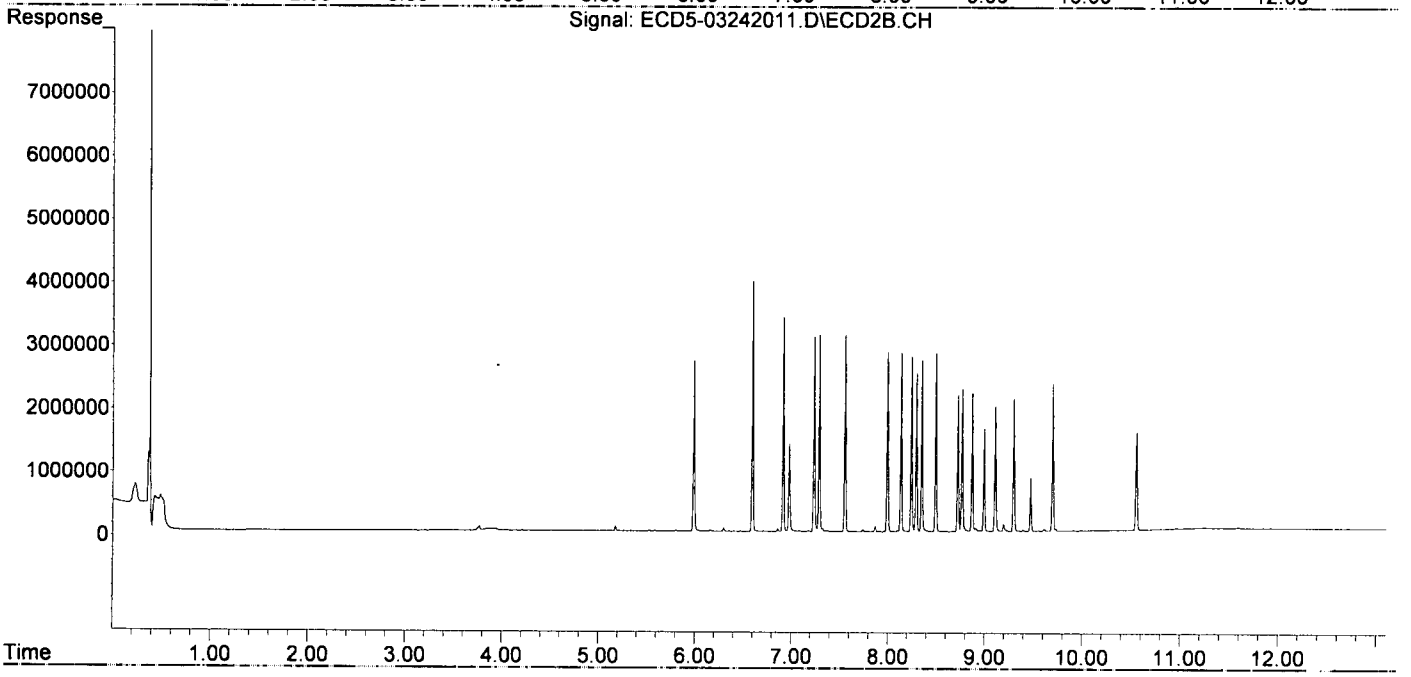
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:24
Operator : MJB
Sample : 0C24036-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:35:36 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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\2020-03\0C24036\
Data File : ECD5-03242012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:41
Operator : MJB
Sample : 0C24036-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:36:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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 3/25/20

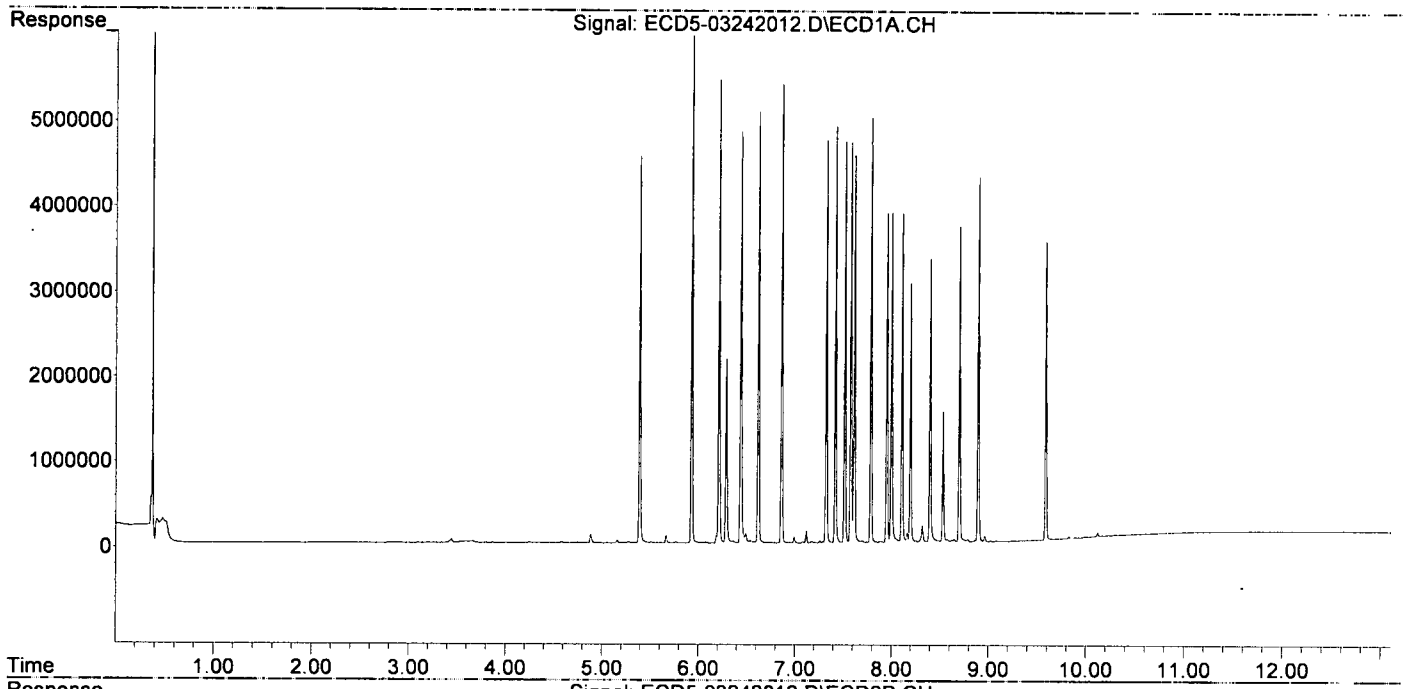
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.390	5.986	4512622	6520954	20.996	18.934
22) S	DCBP (S)	9.588	10.552	3497021	3867029	22.014	19.938
	Target Compounds						
2)	a-BHC	5.929	6.594	6300836	9620617	22.046	21.339
3)	g-BHC	6.212	6.912	5406502	8241389	21.419	20.167
4)	b-BHC	6.288	6.976	2161452	3404701	20.058	20.081
5)	Heptachlor	6.621	7.287	5053266	7620334	21.676	20.466
6)	d-BHC	6.438	7.232	4815486	7763079	19.149	20.843
7)	Aldrin	6.863	7.554	5344381	7846063	22.242	20.681
8)	Heptachlo...	7.325	7.992	4717307	6834808	20.955	19.811
9)	trans-Chl...	7.419	8.132	4840892	7038270	21.274	19.913
10)	cis-Chlor...	7.517	8.240	4673568	6834773	21.149	20.497
11)	Endosulfa...	7.615	8.291	4539125	6355160	22.039	20.477
12)	4,4'-DDE	7.578	8.346	4679040	6917688	20.756	20.371
13)	Dieldrin	7.787	8.492	4973639	7072067	21.580	20.417
14)	Endrin	7.951	8.720	3854623	5127876	23.256	22.602
15)	4,4'-DDD	8.000	8.762	3831772	5545997	20.564	20.541
16)	Endosulfa...	8.108	8.867	3858748	5692155	22.812	22.901
17)	4,4'-DDT	8.197	8.990	3040414	4248274	21.173	22.104
18)	Endrin Al...	8.399	9.104	3315527	4831046	21.749	21.798
19)	Endosulfa...	8.701	9.295	3693603	5149242	23.215	22.873
20)	Methoxychlor	8.532	9.468	1519078	2040469	21.178	21.440
21)	Endrin Ke...	8.895	9.695	4268654	5671298	22.207	21.985
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

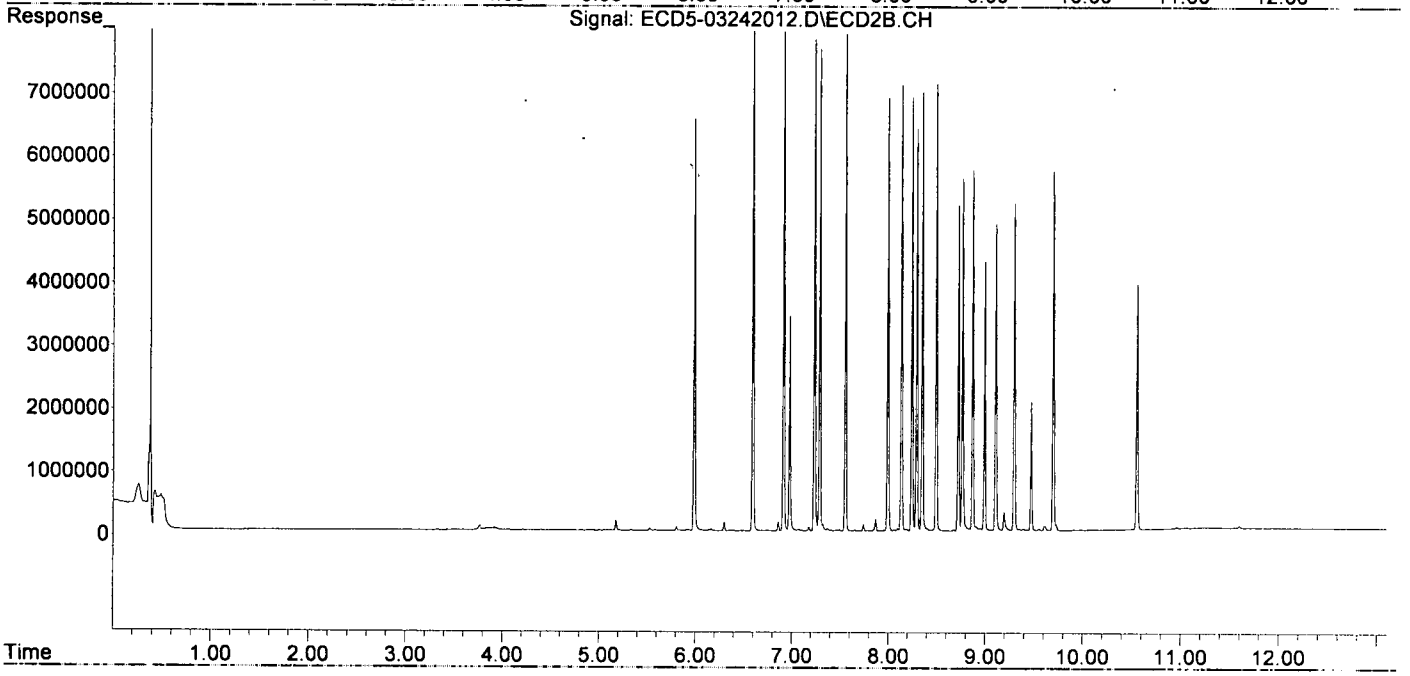
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:41
Operator : MJB
Sample : 0C24036-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:36:06 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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\2020-03\0C24036\
Data File : ECD5-03242013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:59
Operator : MJB
Sample : 0C24036-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:31:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.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 3/25/20

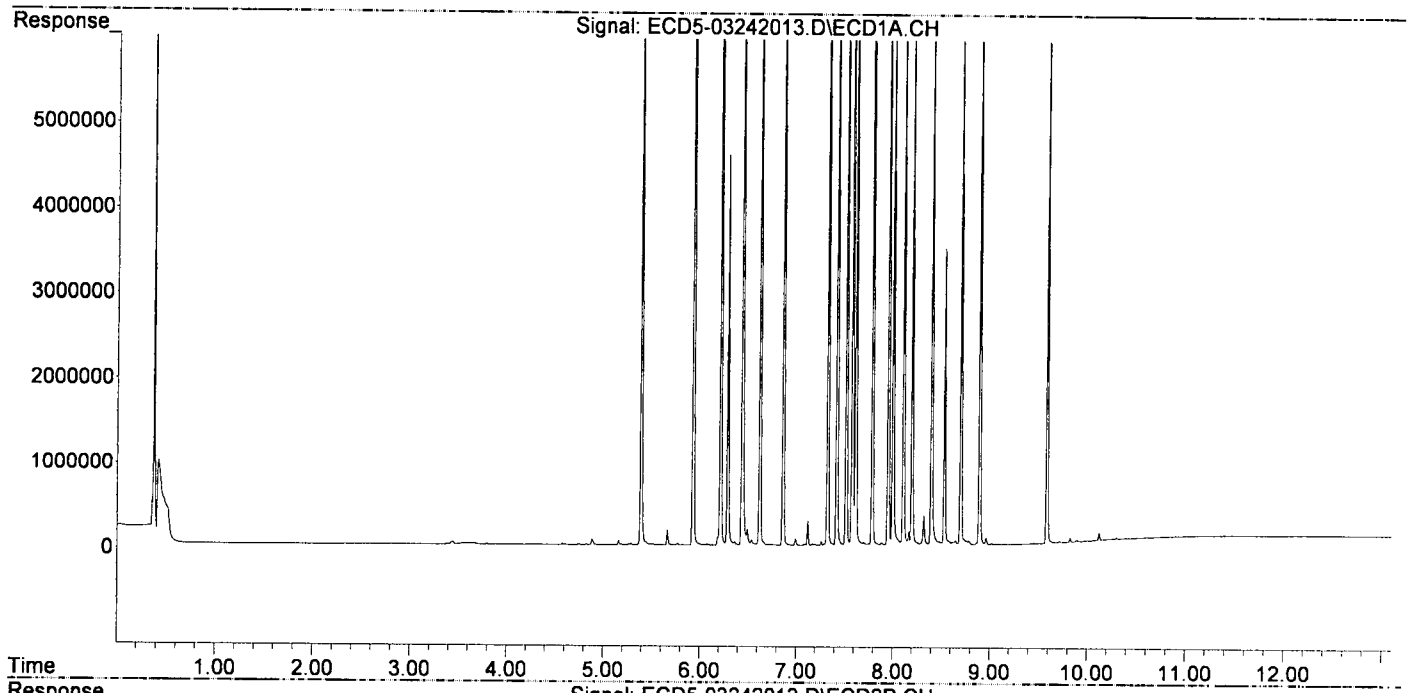
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.390	5.986	9241615	14017788	42.999	40.701
22) S	DCBP (S)	9.588	10.552	7476041	8231591	47.242	42.442
	Target Compounds						
2)	a-BHC	5.930	6.594	13114161	20918784	45.886	45.040
3)	g-BHC	6.213	6.913	11377125	18216369	45.074	44.577
4)	b-BHC	6.288	6.976	4558073	7084389	42.583	41.510
5)	Heptachlor	6.622	7.288	10846684	16951882	46.526	45.528
6)	d-BHC	6.438	7.232	9993782	16615642	39.742	43.347
7)	Aldrin	6.863	7.554	10890711	16771407	45.325	44.208
8)	Heptachlo...	7.325	7.992	9785678	14878805	43.470	43.128
9)	trans-Chl...	7.419	8.132	10175152	15299535	44.717	43.286
10)	cis-Chlor...	7.516	8.241	9884511	14093207	44.729	42.265
11)	Endosulfa...	7.614	8.291	9377081	13891933	45.529	44.760
12)	4,4'-DDE	7.577	8.346	9875598	14809734	43.808	42.607
13)	Dieldrin	7.786	8.492	10681004	15366274	46.344	44.361
14)	Endrin	7.951	8.719	8540081	11711561	51.525	49.544
15)	4,4'-DDD	7.999	8.762	7886558	12274757	42.325	44.099
16)	Endosulfa...	8.108	8.866	8018318	11889800	47.391	46.588
17)	4,4'-DDT	8.197	8.990	7151642	10176781	48.322	49.247
18)	Endrin Al...	8.399	9.104	7114178	10138175	47.136	45.017
19)	Endosulfa...	8.701	9.294	7962851	11454958	50.271	49.803
20)	Methoxychlor	8.532	9.468	3473614	4887200	47.481	48.658
21)	Endrin Ke...	8.895	9.695	9095515	12547342	47.133	47.255
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

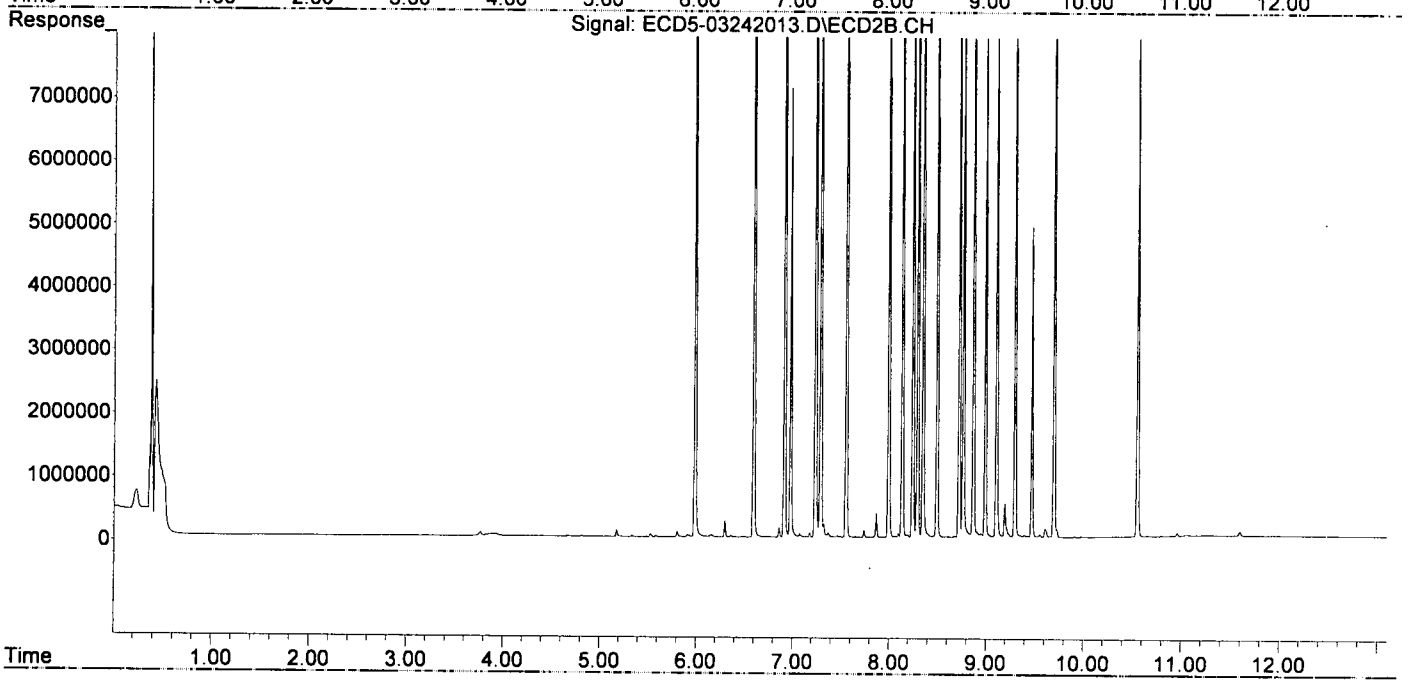
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 15:59
Operator : MJB
Sample : 0C24036-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:31:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.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\2020-03\0C24036\
Data File : ECD5-03242014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:16
Operator : MJB
Sample : 0C24036-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:36:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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 3/25/20

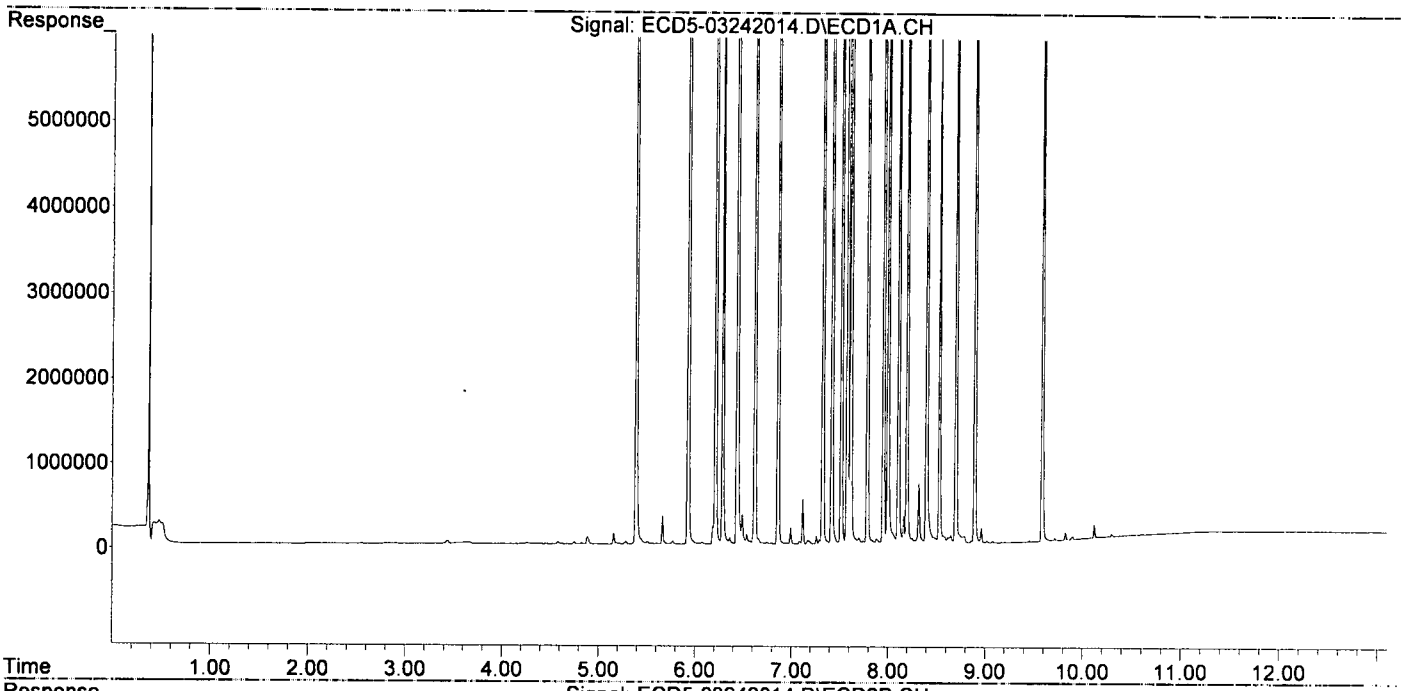
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.390	5.986	18354469	29363025	85.399	85.256
22) S	DCBP (S)	9.589	10.552	14317616	16982193	90.358	87.559
	Target Compounds						
2)	a-BHC	5.930	6.594	25791911	43878049	90.245	89.607
3)	g-BHC	6.213	6.913	22728601	37817395	90.045	92.542
4)	b-BHC	6.287	6.976	9186029	14734350	86.298	84.634
5)	Heptachlor	6.621	7.287	21522215	34641316	92.318	93.038
6)	d-BHC	6.436	7.232	20816304	36321392	82.779	89.336
7)	Aldrin	6.862	7.554	21764216	34947753	90.578	92.119
8)	Heptachlo...	7.324	7.993	19379985	30454129	86.090	88.274
9)	trans-Chl...	7.419	8.132	20337337	31903979	89.377	90.263
10)	cis-Chlor...	7.516	8.241	19434367	30047171	87.944	90.111
11)	Endosulfa...	7.614	8.291	18202863	28261213	88.380	91.059
12)	4,4'-DDE	7.577	8.347	19819998	31108086	87.921	85.766
13)	Dieldrin	7.786	8.492	20834509	31817724	90.399	91.856
14)	Endrin	7.951	8.720	16932423	24210638	102.159	95.732
15)	4,4'-DDD	7.998	8.763	16376482	25268850	87.887	86.159
16)	Endosulfa...	8.108	8.867	16370864	25393438	95.951	94.012
17)	4,4'-DDT	8.196	8.989	14142106	21320006	91.241	92.923
18)	Endrin Al...	8.398	9.104	13795821	20401144	91.659	87.010
19)	Endosulfa...	8.700	9.295	15427222	22833485	96.920	94.860
20)	Methoxychlor	8.531	9.468	6822606	9955852	89.927	91.470
21)	Endrin Ke...	8.895	9.695	17693391	25794308	90.383	91.961
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

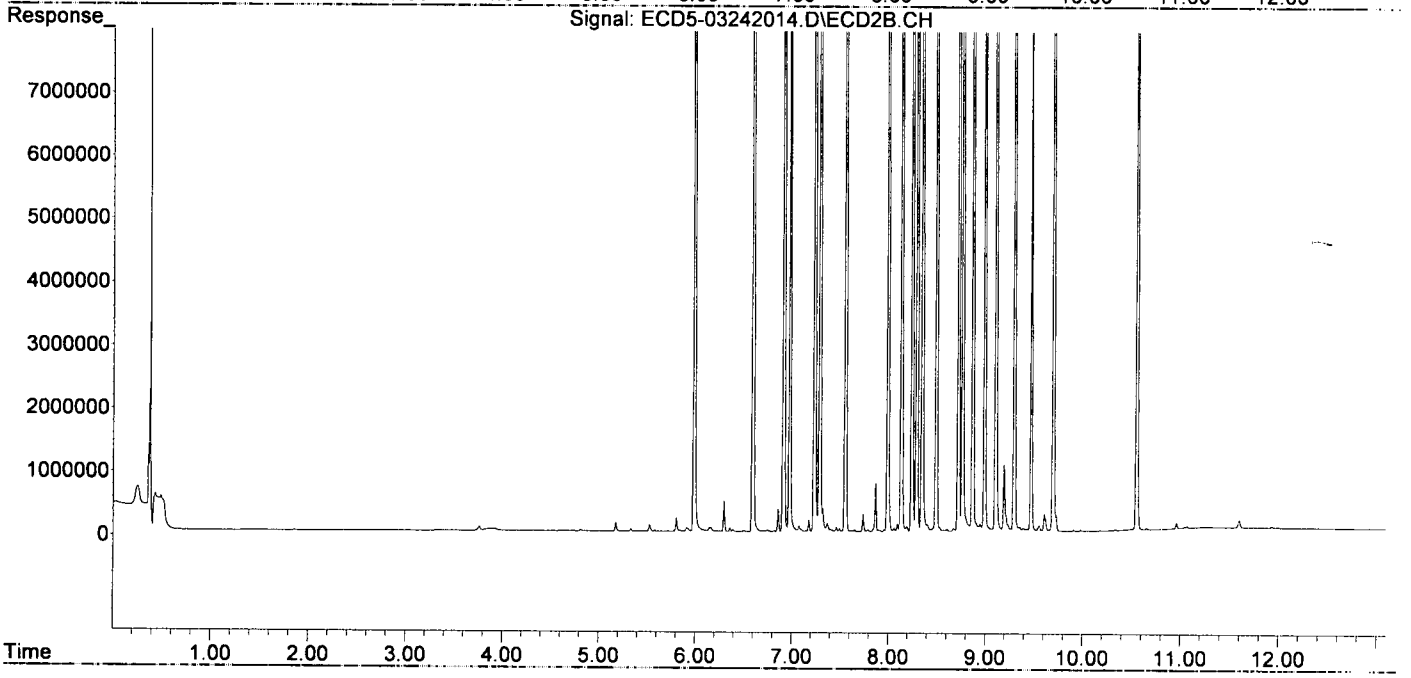
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:16
Operator : MJB
Sample : 0C24036-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:36:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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\2020-03\0C24036\
Data File : ECD5-03242015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:33
Operator : MJB
Sample : 0C24036-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:37:30 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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 3/25/20

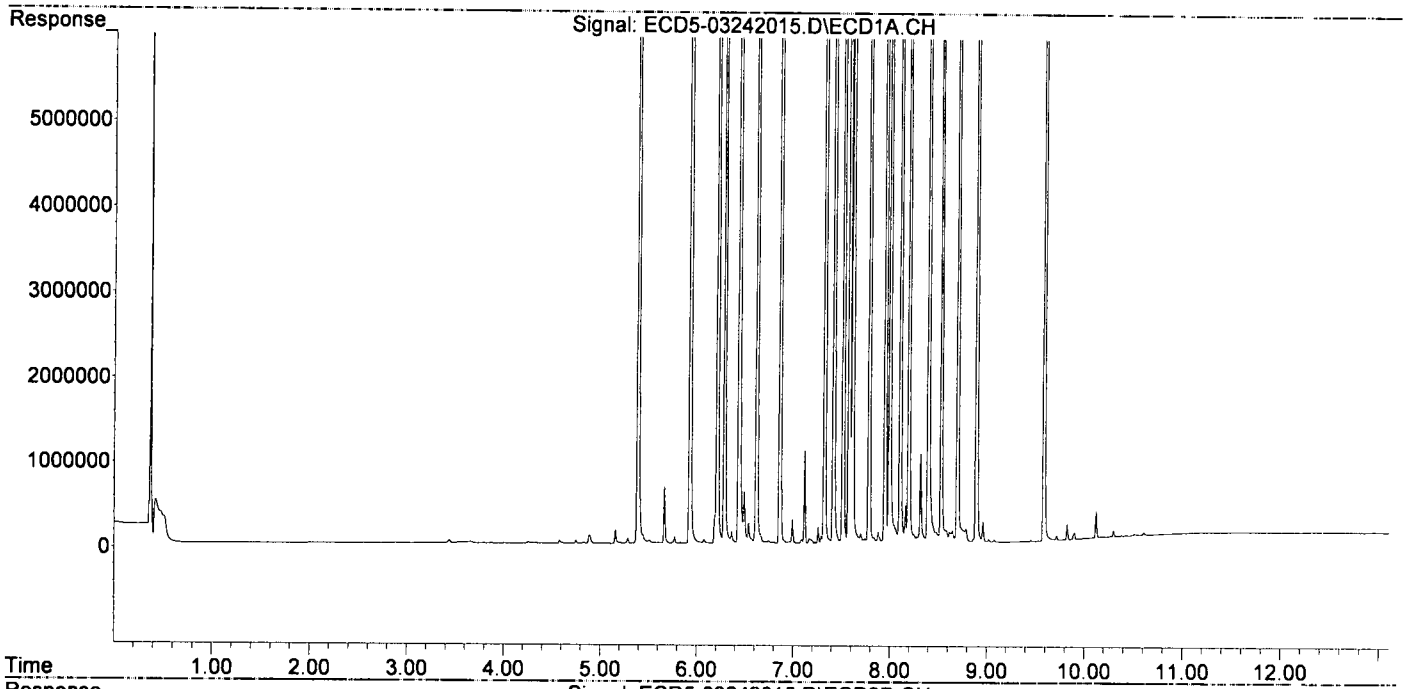
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.390	5.986	37287793	62652252	173.492	181.912
22)	S	DCBP (S)	9.588	10.552	30603888	37646124	191.695	194.102
		Target Compounds						
2)		a-BHC	5.930	6.595	53574714	95080996	187.456	176.500
3)		g-BHC	6.213	6.913	45788993	80123150	181.405	196.068
4)		b-BHC	6.287	6.976	19246743	31639561	182.339	174.059
5)		Heptachlor	6.622	7.288	44770359	74849628	192.039	201.027
6)		d-BHC	6.437	7.232	44077896	78530101	175.282	174.484
7)		Aldrin	6.863	7.554	43391772	73074265	180.587	192.616
8)		Heptachlo...	7.324	7.993	40218545	65529406	178.660	189.943
9)		trans-Chl...	7.418	8.132	41148096	67423876	180.834	190.757
10)		cis-Chlor...	7.516	8.241	40151651	63539129	181.692	190.553
11)		Endosulfa...	7.614	8.291	37977688	60399349	184.393	194.609
12)		4,4'-DDE	7.577	8.347	41977826	67276188	186.212	171.401
13)		Dieldrin	7.786	8.492	41790341	67824542	181.325	195.805
14)		Endrin	7.951	8.720	35813409	54001572	216.074	188.665
15)		4,4'-DDD	7.998	8.763	34856254	56579001	187.062	174.301
16)		Endosulfa...	8.107	8.867	34456245	55386082	197.722	184.985
17)		4,4'-DDT	8.196	8.989	32760341	51243602	191.220	184.865
18)		Endrin Al...	8.398	9.103	29700843	45235475	196.977	176.860
19)		Endosulfa...	8.700	9.294	32519969	51902037	200.794	195.219
20)		Methoxychlor	8.531	9.468	16176865	24593885	195.297	191.374
21)		Endrin Ke...	8.895	9.695	38148403	58217622	188.052	186.117
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

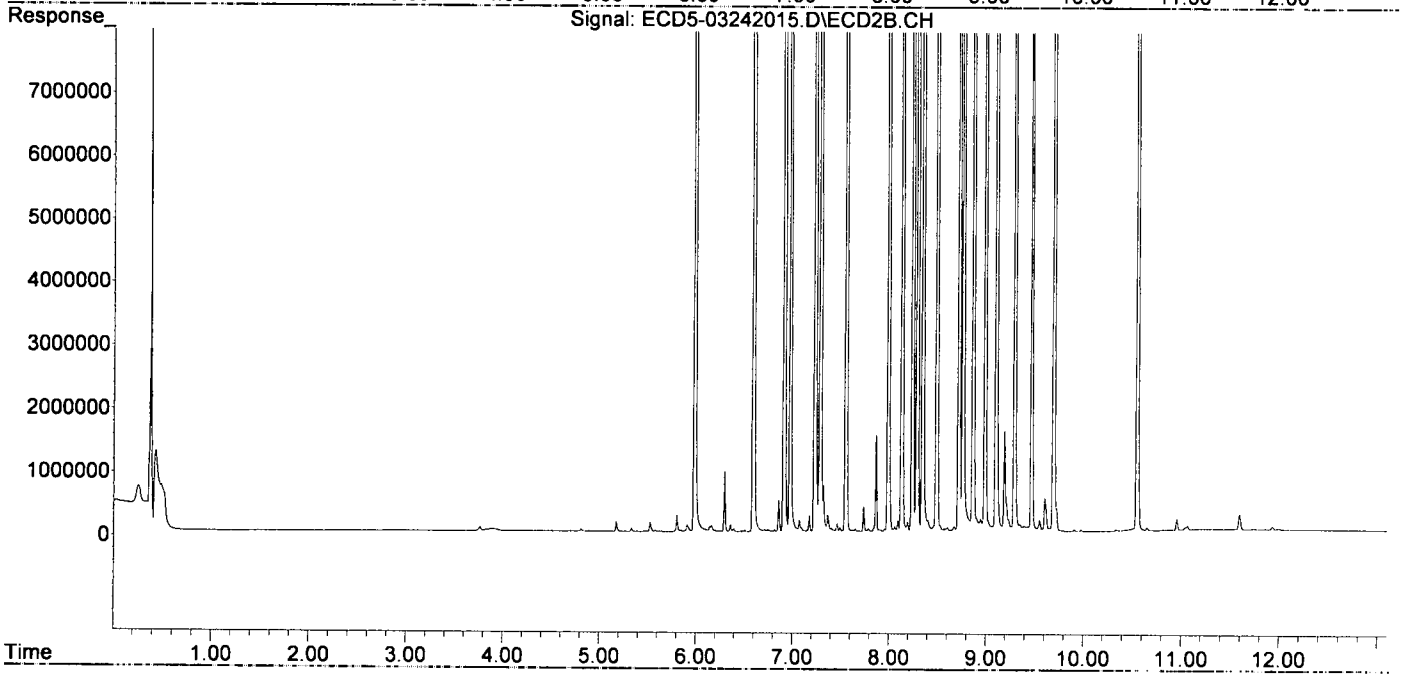
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 16:33
Operator : MJB
Sample : 0C24036-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 24 17:37:30 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:31:35 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\2020-03\0C24036\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:28:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:30 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

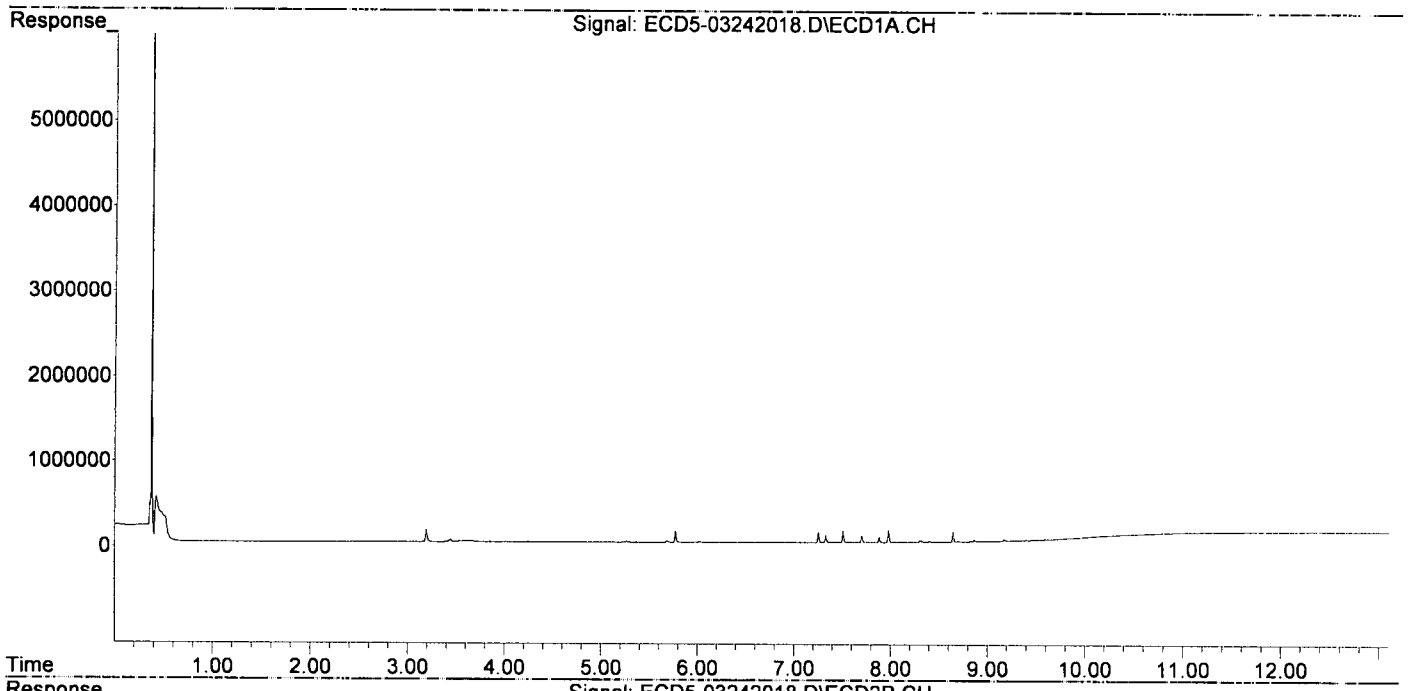
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.192	3.675	138995	251522	0.626	0.578
24)	Hexachlor...	5.773	6.455	135442	201955	0.602	0.553
25)	Oxychlordane	7.254	7.923	123441	180540	0.616	0.588
26)	2,4'-DDE	7.330	8.127	83210	124973	0.545	0.531
27)	trans-Non...	7.510	8.197	138714	194733	0.619	0.572
28)	2,4'-DDD	7.704	8.500	79625	121076	0.581	0.580
29)	2,4'-DDT	7.885	8.725	67791	93729	0.524	0.596
30)	cis-Nonac...	7.981	8.764	143310	200734	0.573	0.535
31)	Mirex	8.647	9.688	112691	155731	0.573	0.660
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

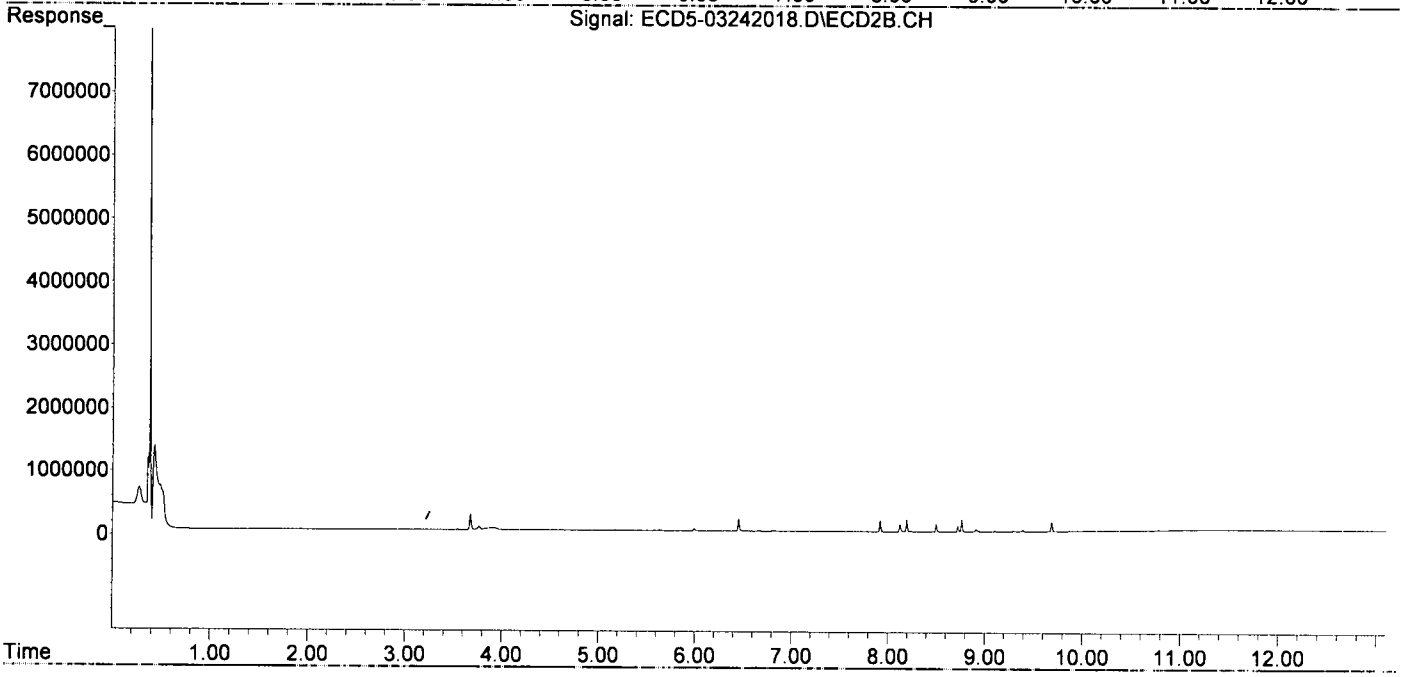
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:24
Operator : MJB
Sample : 0C24036-CALA
Misc : A20C399, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:28:15 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:30 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:42
Operator : MJB
Sample : 0C24036-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:28:49 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

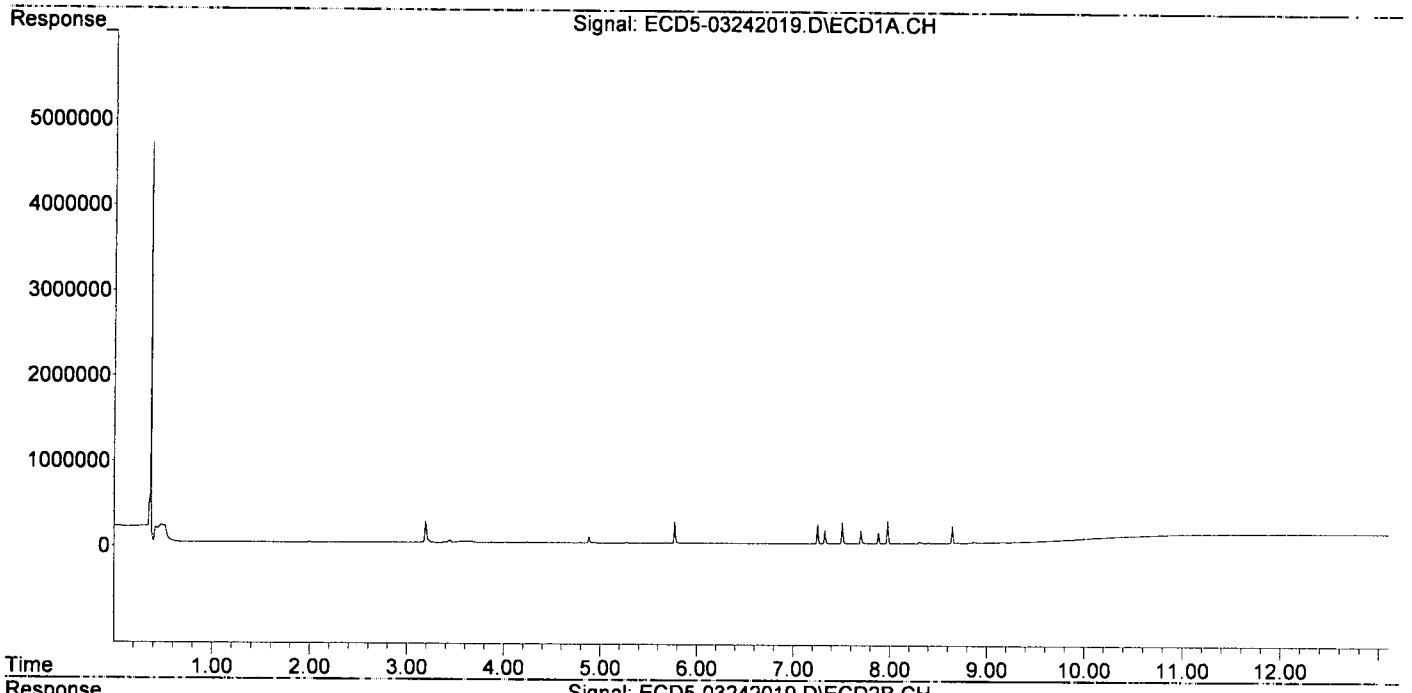
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.191	3.673	252963	464249	1.139	1.067
24)	Hexachlor...	5.771	6.453	248838	360738	1.106	0.987
25)	Oxychlordane	7.252	7.920	228603	334034	1.141	1.087
26)	2,4'-DDE	7.328	8.124	156744	238501	1.028	1.013
27)	trans-Non...	7.508	8.194	250677	360386	1.119	1.059
28)	2,4'-DDD	7.701	8.498	148717	222099	1.085	1.063
29)	2,4'-DDT	7.883	8.723	129911	174701	1.005	1.083
30)	cis-Nonac...	7.978	8.761	268101	371890	1.071	0.990
31)	Mirex	8.645	9.686	203027	260806	1.213	1.209
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

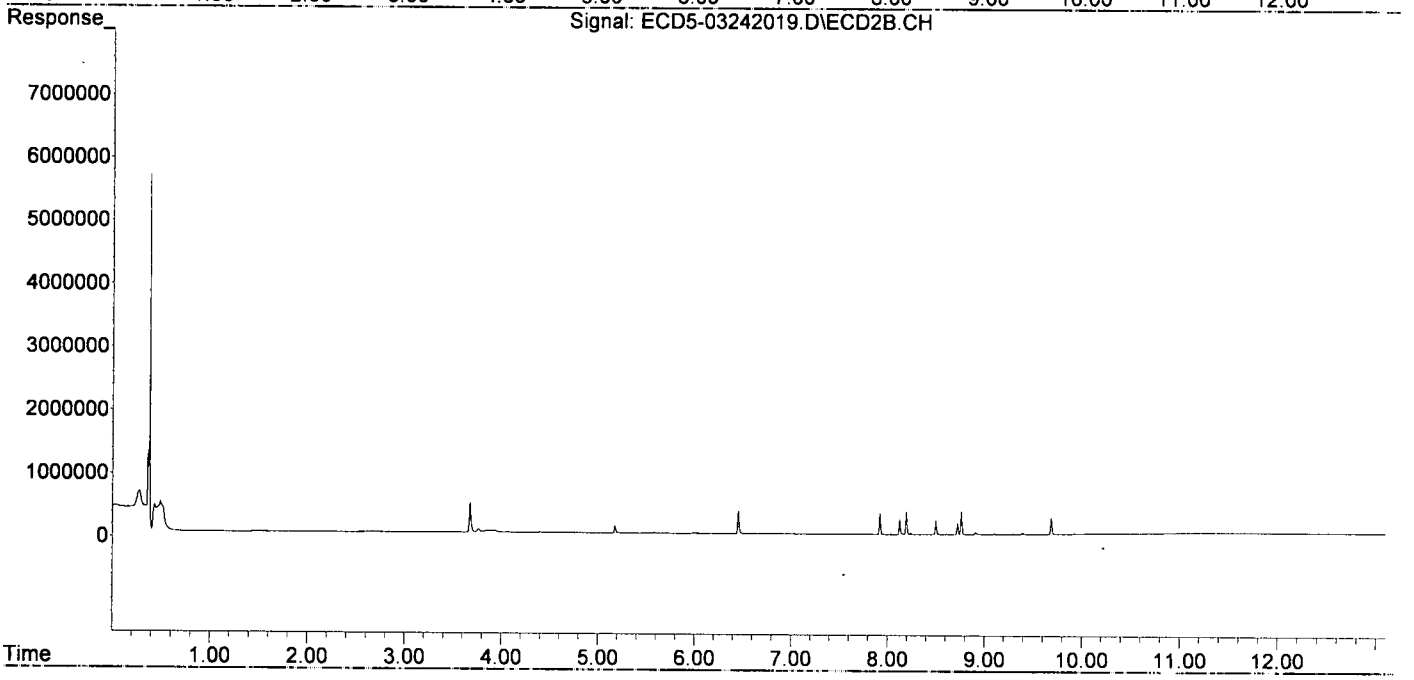
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 17:42
Operator : MJB
Sample : 0C24036-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:28:49 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:31
Operator : MJB
Sample : 0C24036-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:29:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

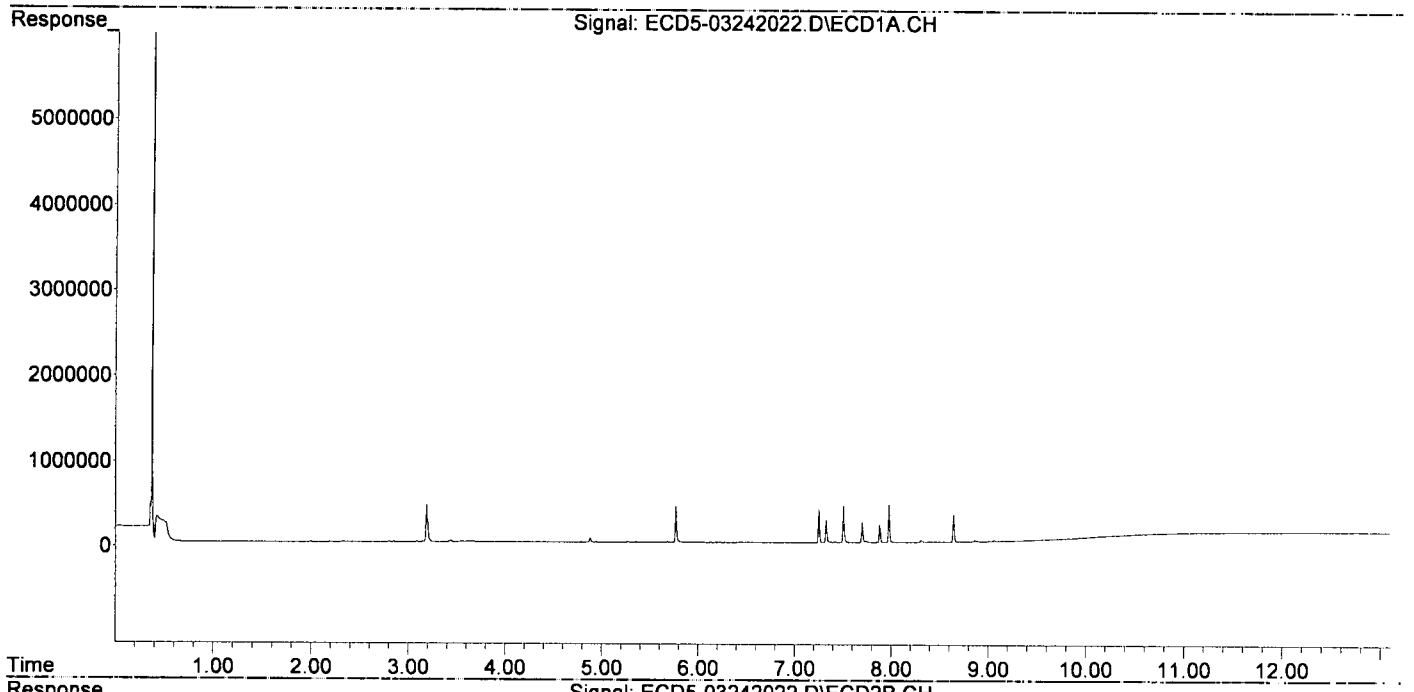
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.191	3.673	439567	807666	1.978	1.856
24)	Hexachlor...	5.771	6.452	419155	612934	1.863	1.677
25)	Oxychlordane	7.253	7.920	386790	549047	1.931	1.787
26)	2,4'-DDE	7.329	8.125	267207	397498	1.752	1.689
27)	trans-Non...	7.508	8.194	423056	615457	1.889	1.809
28)	2,4'-DDD	7.702	8.498	239865	366090	1.751	1.752
29)	2,4'-DDT	7.882	8.723	208673	293188	1.614	1.792
30)	cis-Nonac...	7.979	8.761	442808	633230	1.769	1.686
31)	Mirex	8.646	9.686	323334	416537	2.066	2.023
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

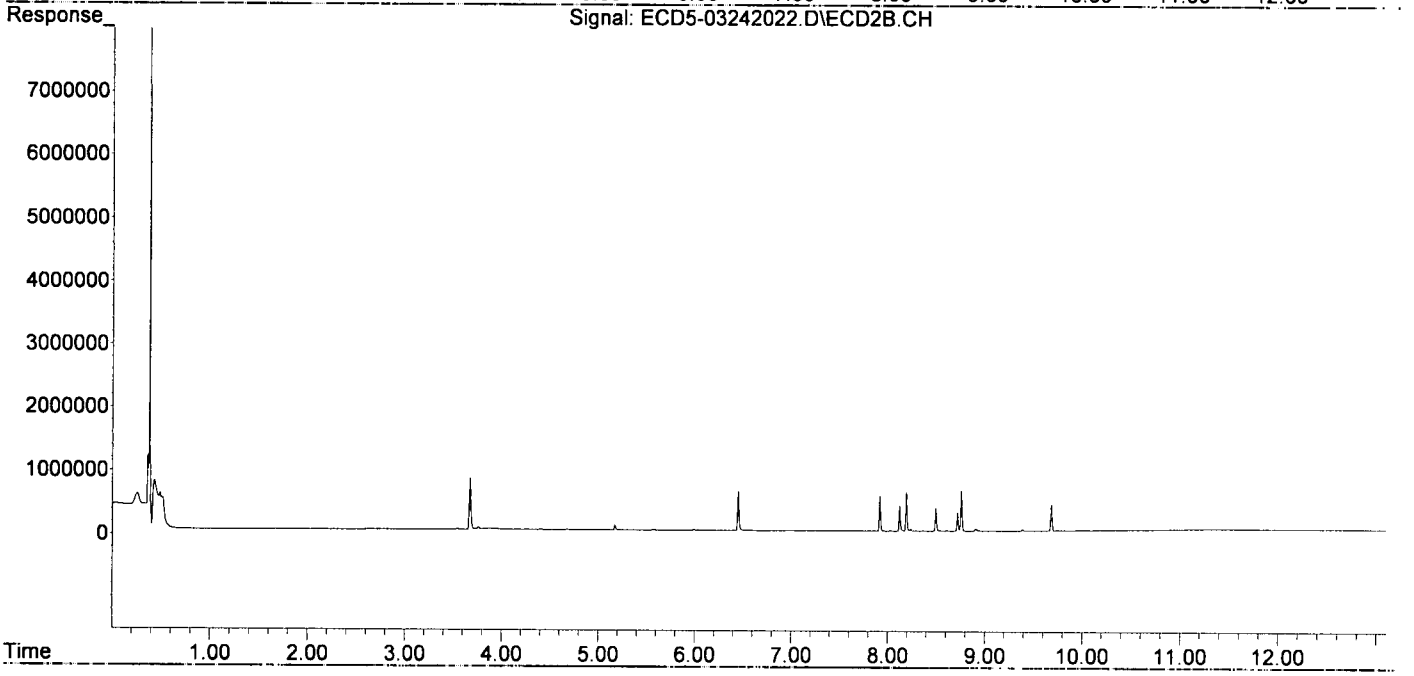
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:31
Operator : MJB
Sample : 0C24036-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:29:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:48
Operator : MJB
Sample : 0C24036-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:30:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

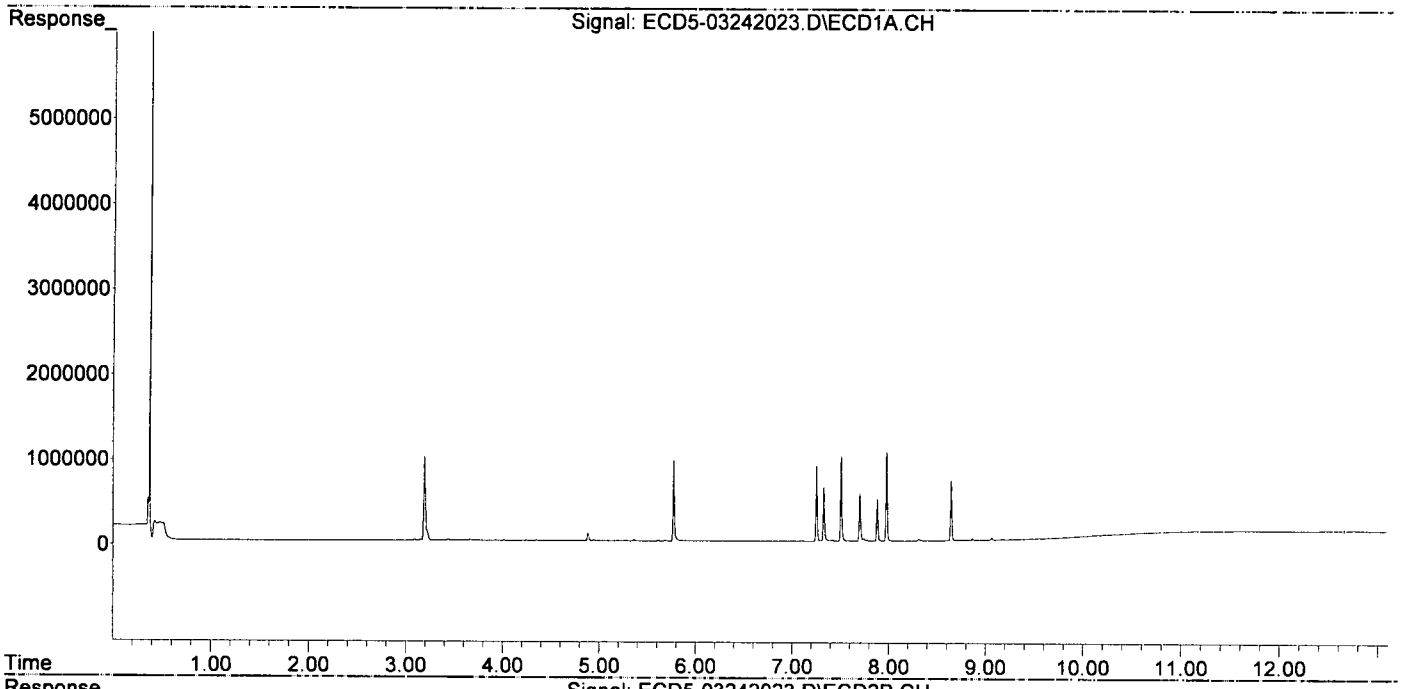
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	3.191	3.674	985296	1888911	4.435	4.340
24)		Hexachlor...	5.771	6.453	941551	1416782	4.185	3.876
25)		Oxychlordane	7.253	7.920	875331	1273733	4.370	4.145
26)		2,4'-DDE	7.328	8.124	627099	936012	4.111	3.976
27)		trans-Non...	7.508	8.195	981829	1410113	4.383	4.144
28)		2,4'-DDD	7.701	8.498	556778	847949	4.064	4.059
29)		2,4'-DDT	7.883	8.722	500416	709957	3.870	4.266
30)		cis-Nonac...	7.978	8.761	1044308	1501113	4.172	3.997
31)		Mirex	8.645	9.686	702511	917688	4.753	4.633
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

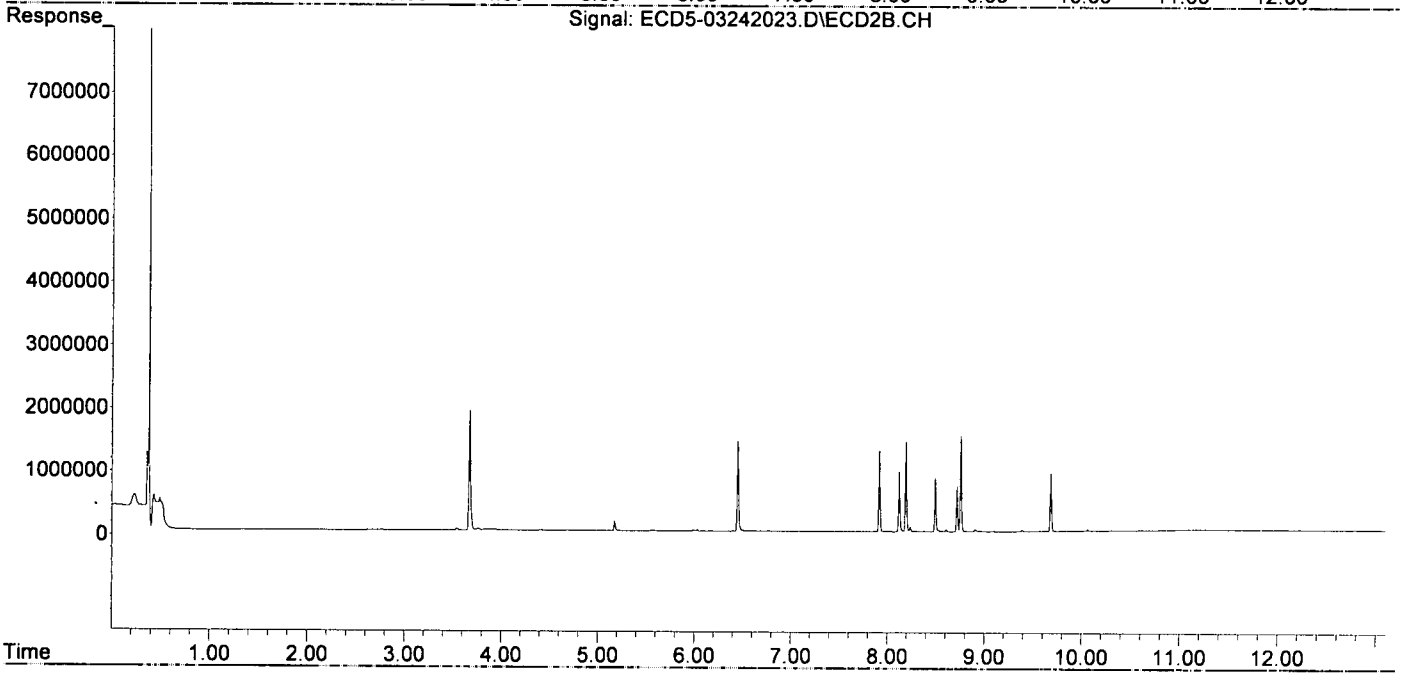
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 18:48
Operator : MJB
Sample : 0C24036-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:30:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:05
Operator : MJB
Sample : 0C24036-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:30:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

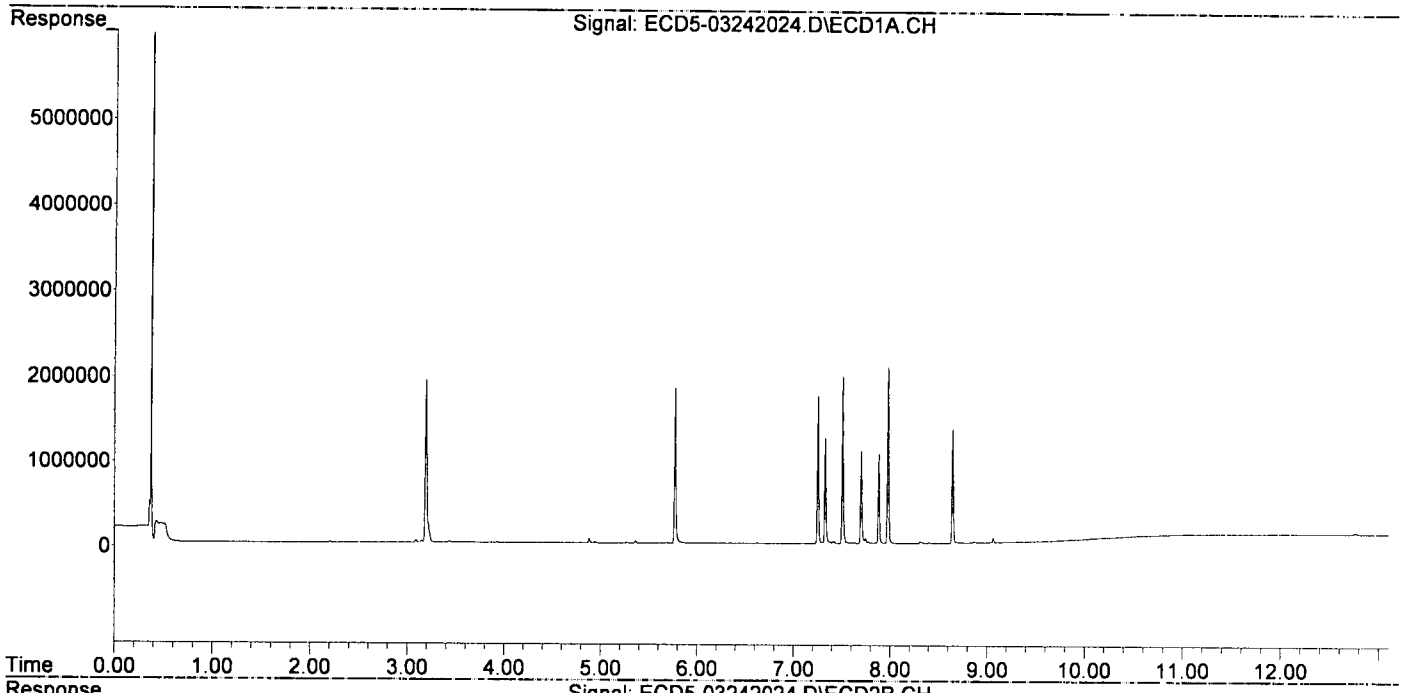
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	3.191	3.673	1913685	3659331	8.613	8.409
24)		Hexachlor...	5.771	6.453	1821184	2829027	8.094	7.740
25)		Oxychlordane	7.252	7.921	1728237	2482080	8.629	8.078
26)		2,4'-DDE	7.328	8.125	1237758	1859258	8.114	7.899
27)		trans-Non...	7.508	8.195	1958355	2785866	8.743	8.187
28)		2,4'-DDD	7.701	8.498	1077430	1664096	7.863	7.966
29)		2,4'-DDT	7.883	8.723	1038872	1455490	8.034	8.616
30)		cis-Nonac...	7.979	8.762	2056686	2912480	8.216	7.755
31)		Mirex	8.645	9.687	1334200	1755471	9.221	8.968
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

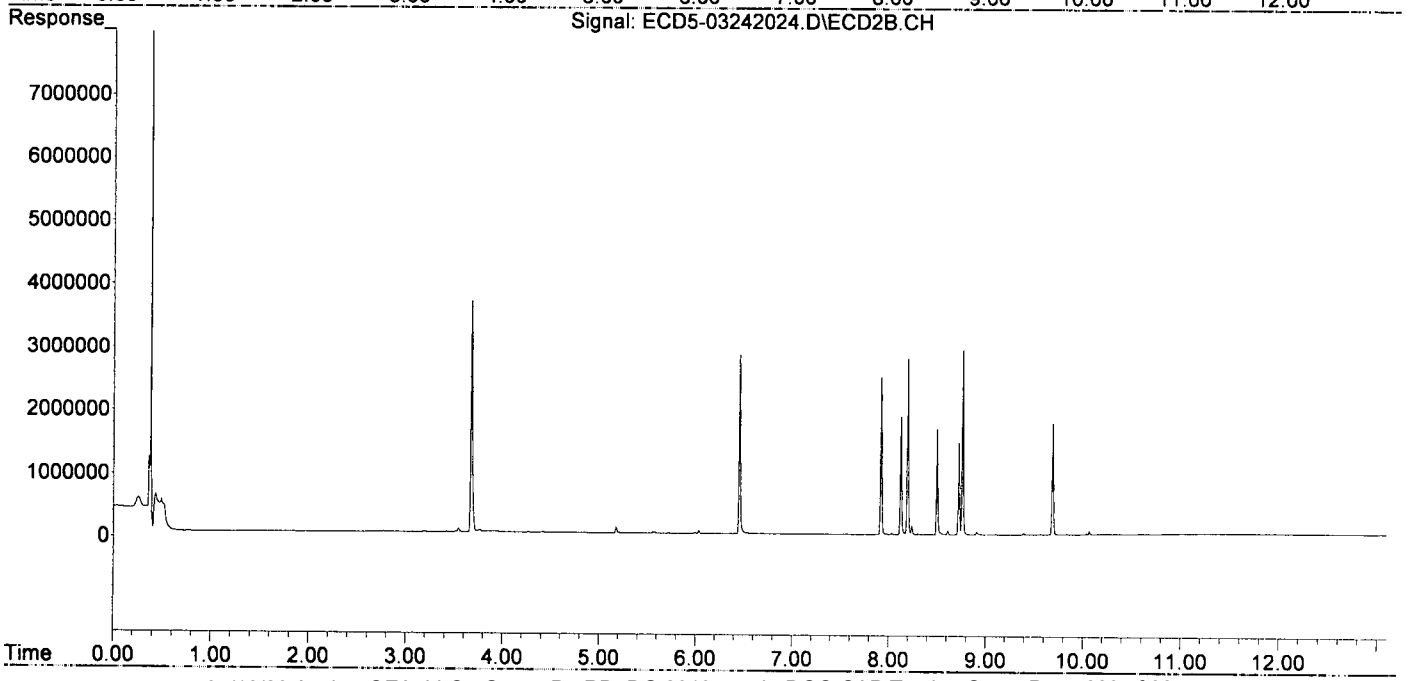
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:05
Operator : MJB
Sample : 0C24036-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:30:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:22
Operator : MJB
Sample : 0C24036-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:31:05 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

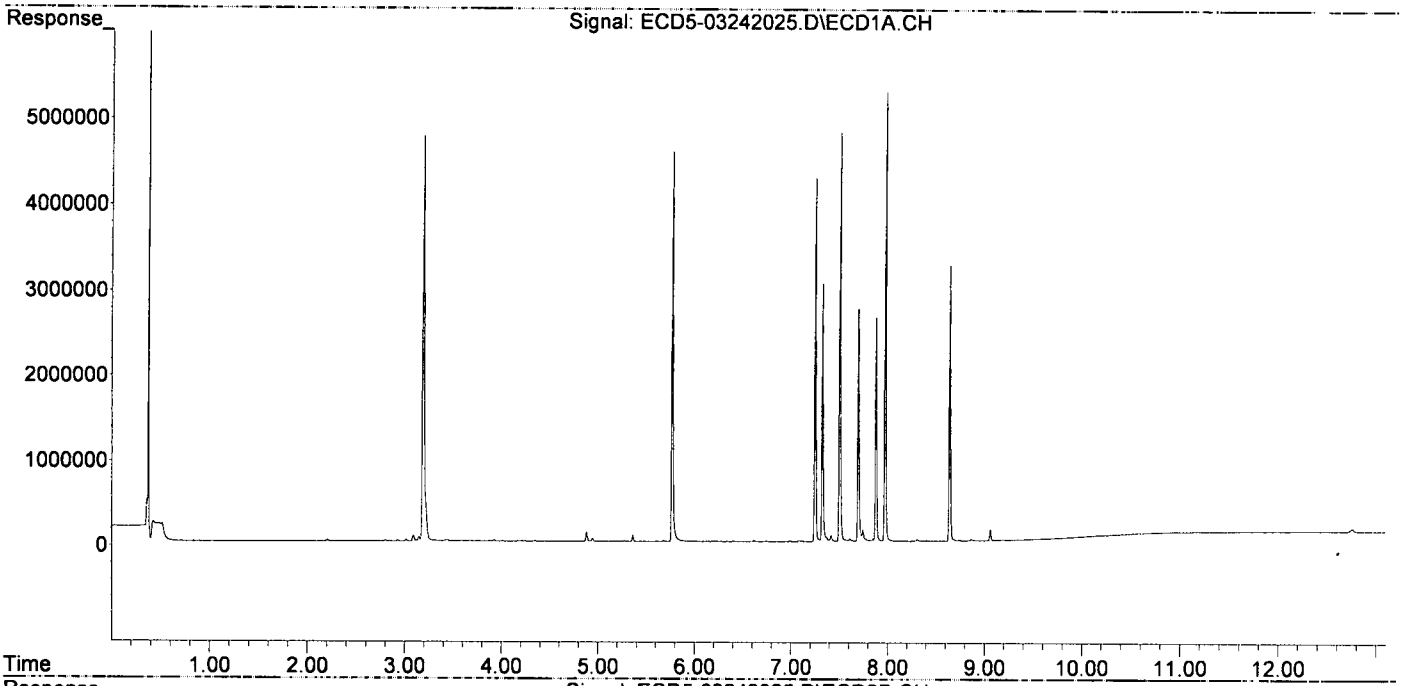
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.192	3.674	4744416	9164447	21.353	21.059
24)	Hexachlor...	5.771	6.453	4553836	7208518	20.239	19.722
25)	Oxychlordane	7.252	7.920	4237766	6370353	21.159	20.733
26)	2,4'-DDE	7.327	8.124	3019471	4614869	19.795	19.605
27)	trans-Non...	7.508	8.195	4770432	6929319	21.297	20.363
28)	2,4'-DDD	7.700	8.498	2695196	4129897	19.670	19.769
29)	2,4'-DDT	7.882	8.722	2624036	3726920	20.292	21.322
30)	cis-Nonac...	7.978	8.761	5255936	7435646	20.997	19.799
31)	Mirex	8.645	9.686	3230934	4337194	22.587	22.109
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

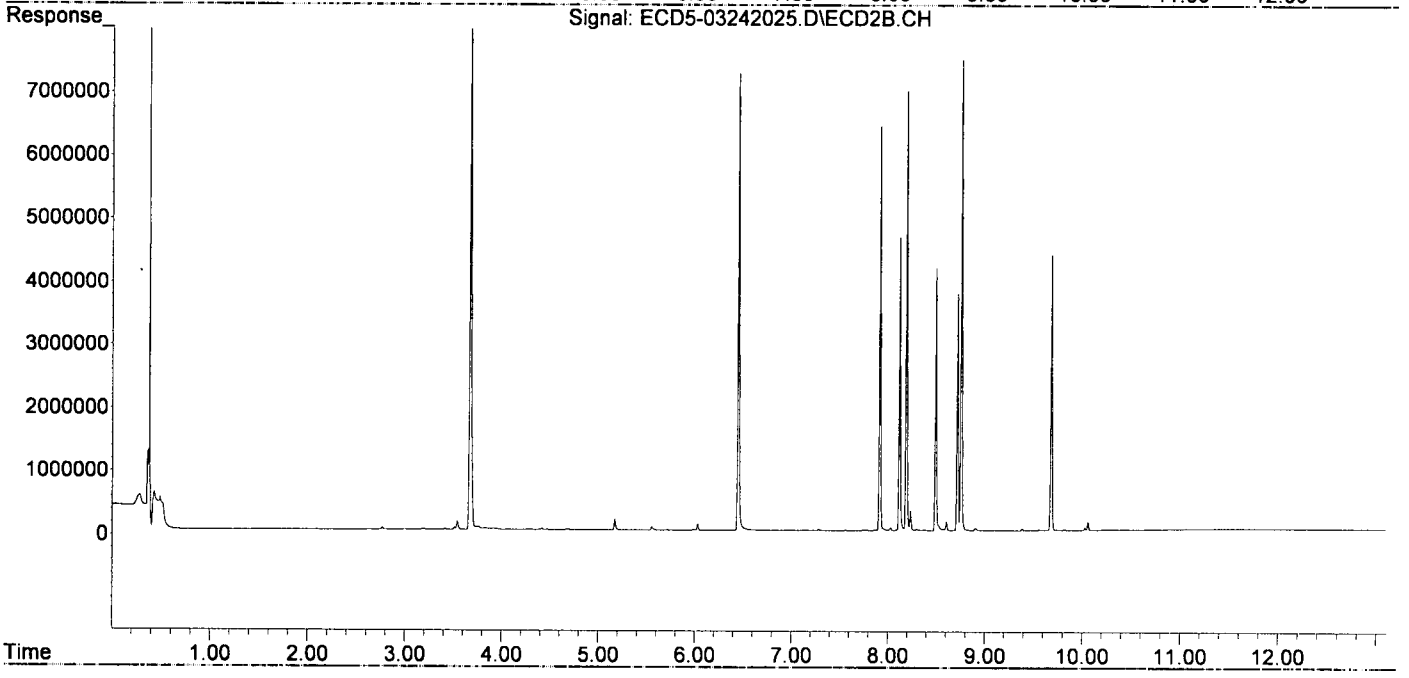
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:22
Operator : MJB
Sample : 0C24036-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:31:05 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:40
Operator : MJB
Sample : 0C24036-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:27:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

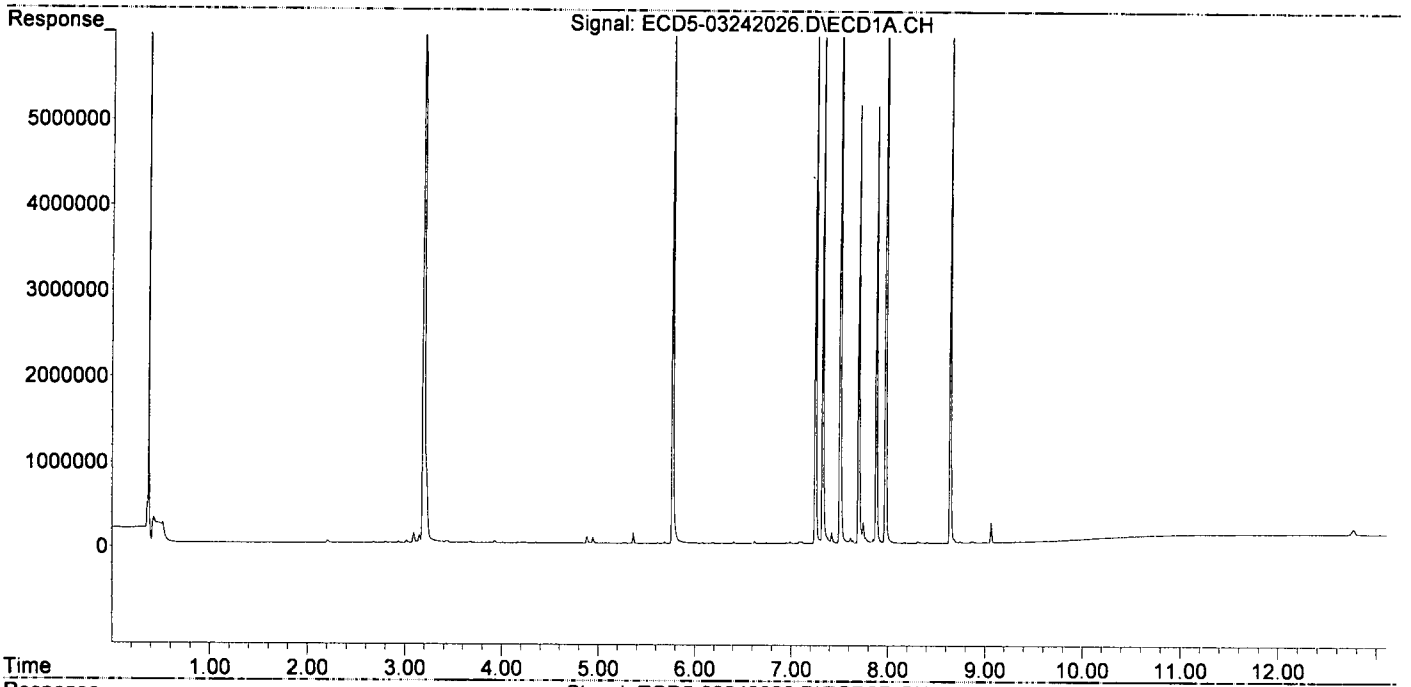
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	3.192	3.674	8717391	17439815	39.235	40.075
24)		Hexachlor...	5.771	6.452	8762097	14203483	38.942	38.859
25)		Oxychlordane	7.251	7.920	8147960	12143579	40.682	39.522
26)		2,4'-DDE	7.327	8.124	5911849	9372906	38.756	39.819
27)		trans-Non...	7.507	8.194	8939479	13836076	39.910	40.660
28)		2,4'-DDD	7.700	8.497	5120535	8137483	37.371	38.952
29)		2,4'-DDT	7.882	8.722	5109282	7779036	39.812	42.282
30)		cis-Nonac...	7.978	8.761	9928726	14832084	39.665	39.494
31)		Mirex	8.645	9.687	6214207	8504353	43.454	42.678
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

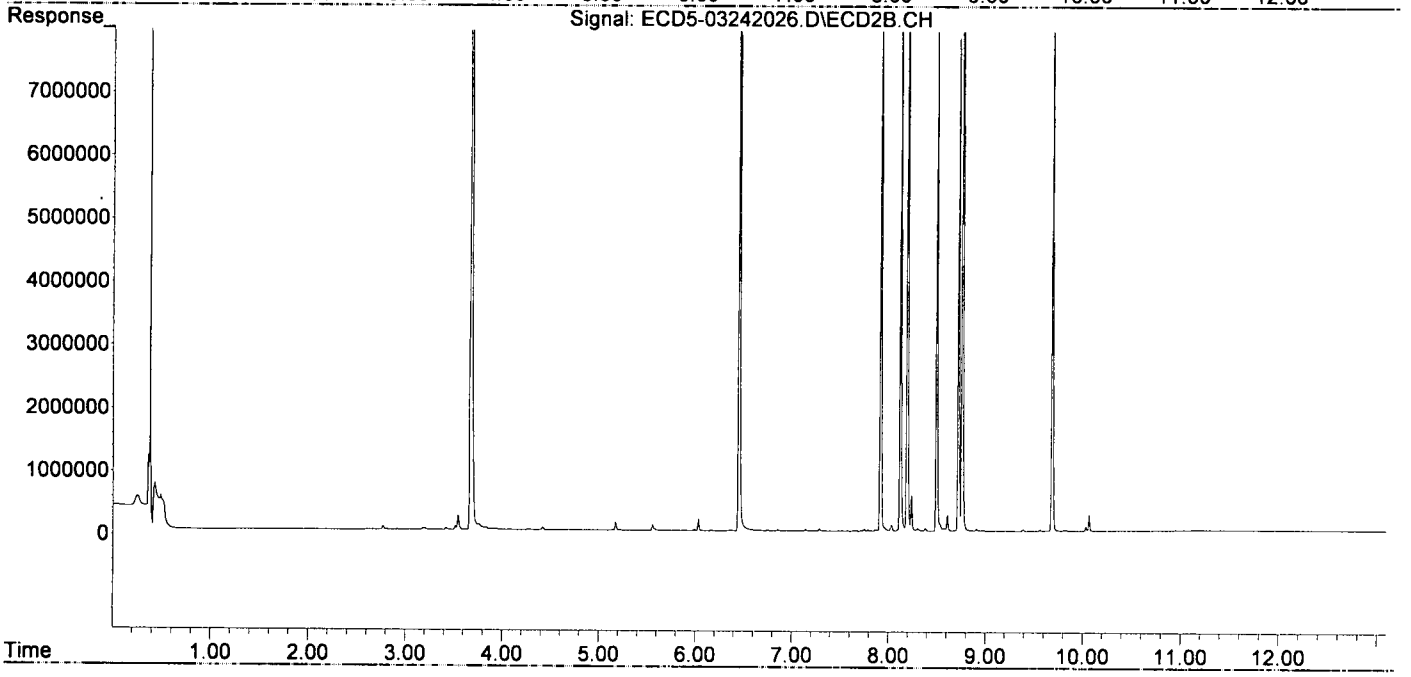
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:40
Operator : MJB
Sample : 0C24036-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:27:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Tue Mar 24 17:40:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:57
Operator : MJB
Sample : 0C24036-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:31:50 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

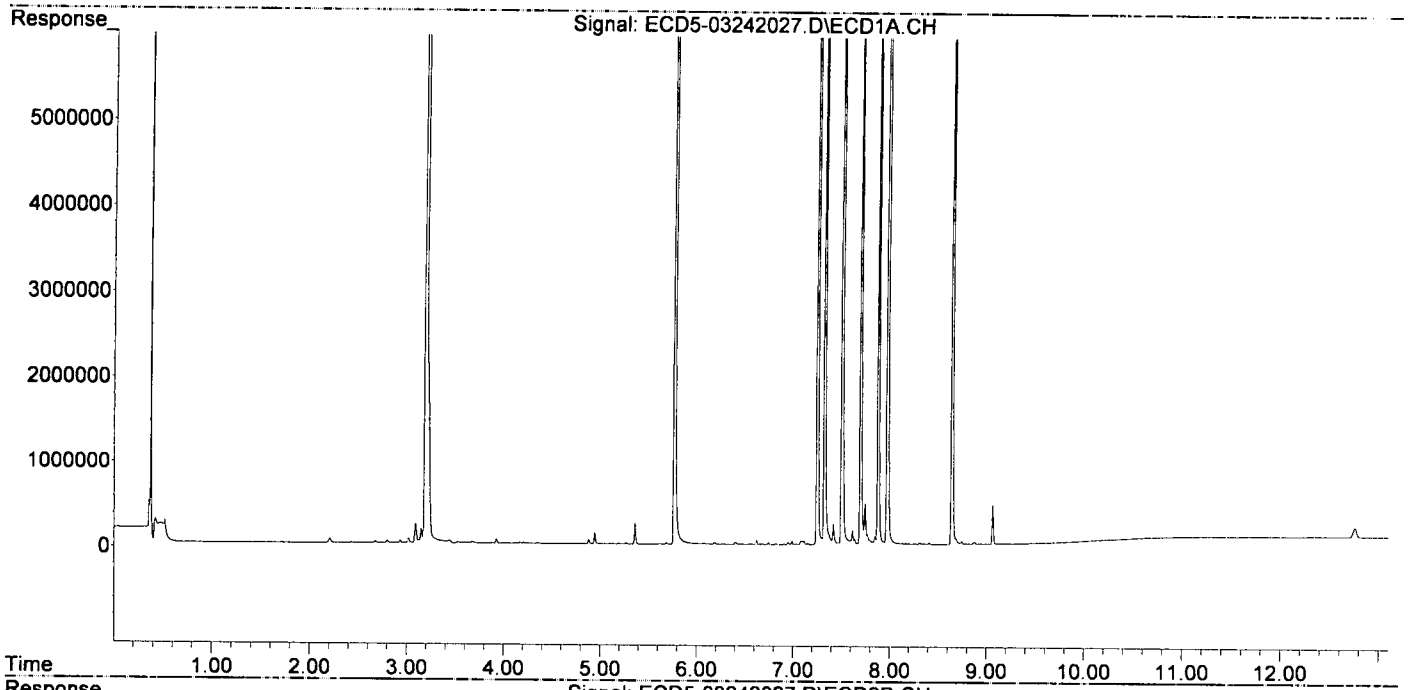
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	3.192	3.675	18064617	36344688	81.304	83.516
24)		Hexachlor...	5.771	6.453	18187492	30307668	80.833	82.918
25)		Oxychlordane	7.251	7.920	16565674	26490641	82.712	86.216
26)		2,4'-DDE	7.325	8.124	12225211	19878326	80.145	84.449
27)		trans-Non...	7.506	8.194	18723508	29872500	83.590	87.787
28)		2,4'-DDD	7.698	8.497	10853795	17265269	79.214	82.645
29)		2,4'-DDT	7.881	8.722	10947370	16635506	84.659	82.573
30)		cis-Nonac...	7.977	8.761	20132492	32441279	80.429	86.383
31)		Mirex	8.644	9.685	12396853	17899644	86.117	86.518
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

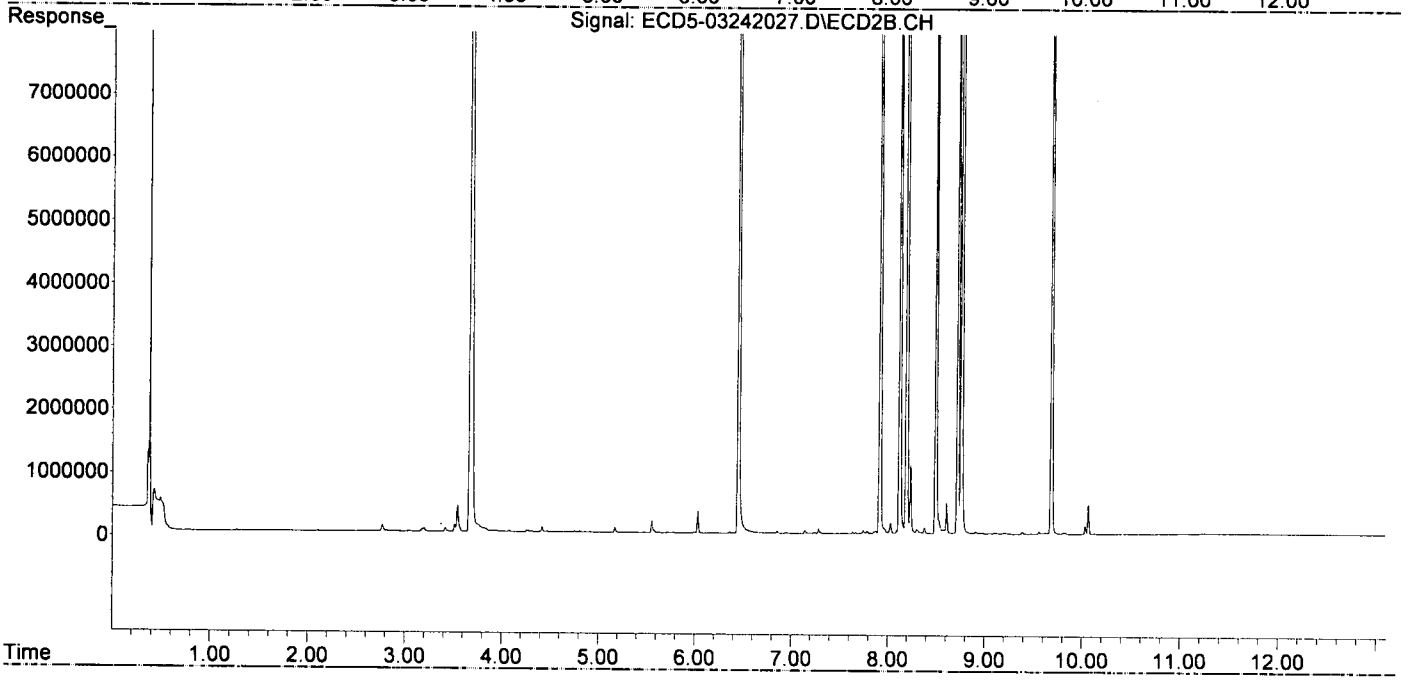
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 19:57
Operator : MJB
Sample : 0C24036-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:31:50 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:14
Operator : MJB
Sample : 0C24036-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:32:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

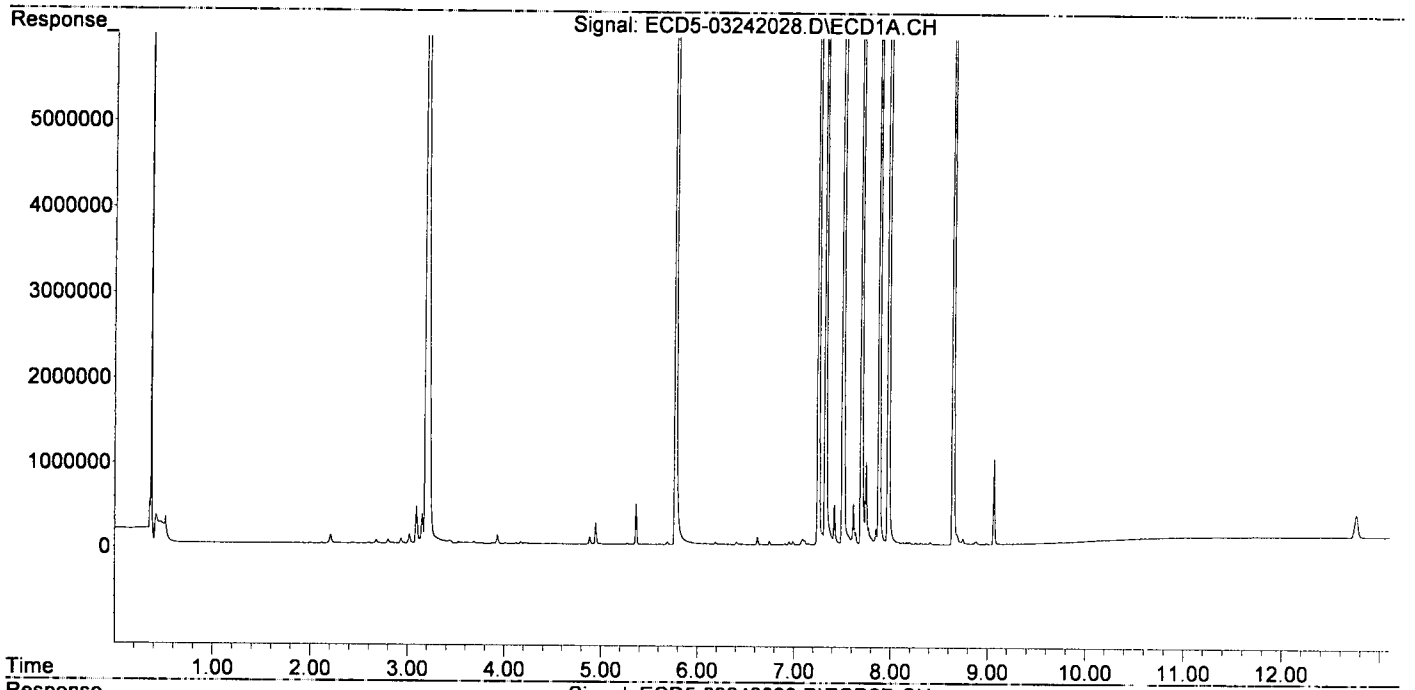
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.194	3.677	38064732	79746950	171.320	183.249
24)	Hexachlor...	5.773	6.456	37823227	63963904	168.102	174.998
25)	Oxychlordane	7.253	7.922	34818494	58878835	173.848	191.627
26)	2,4'-DDE	7.327	8.126	26192823	44139561	171.712	187.518
27)	trans-Non...	7.508	8.197	39413197	65896047	175.957	193.650
28)	2,4'-DDD	7.700	8.499	22566425	38695112	164.696	185.224
29)	2,4'-DDT	7.883	8.724	24102499	39877306	186.392	167.420
30)	cis-Nonac...	7.979	8.764	43205725	69542726	172.606	185.176
31)	Mirex	8.647	9.689	26254813	39265298	179.067	176.071
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

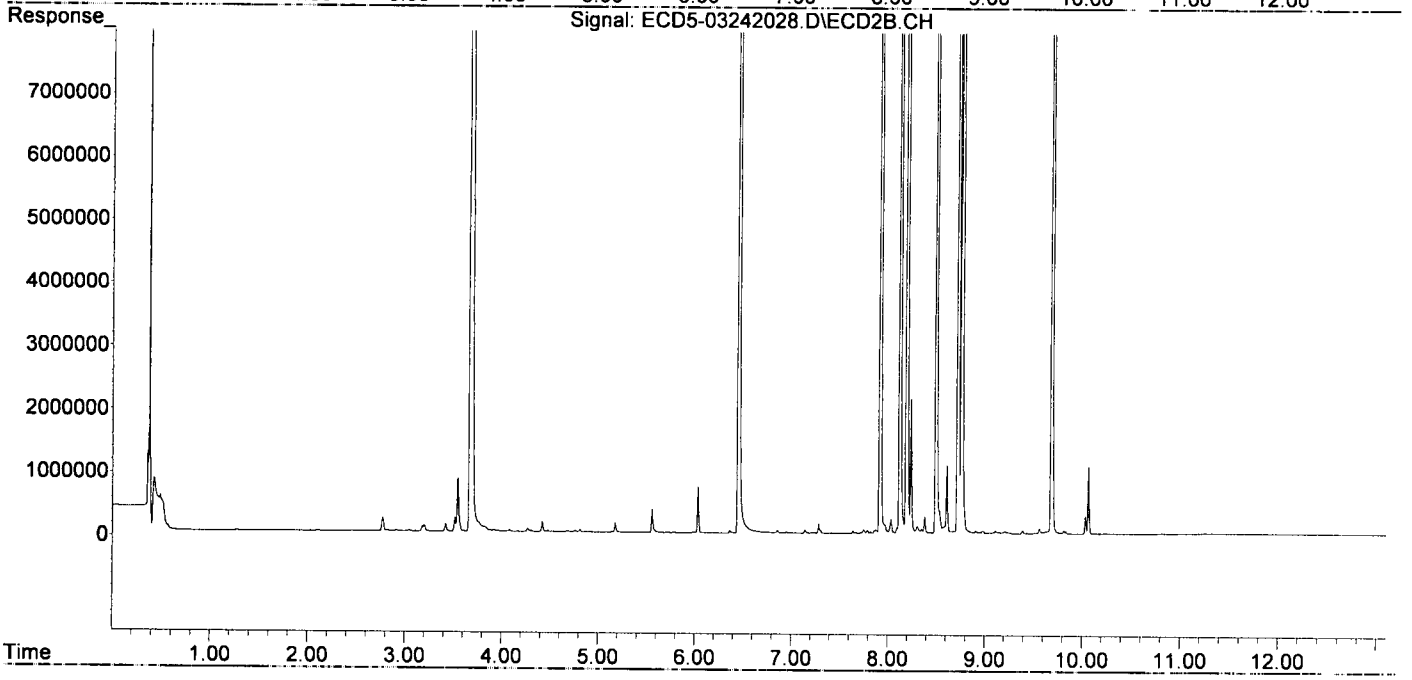
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 20:14
Operator : MJB
Sample : 0C24036-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:32:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:05
Operator : MJB
Sample : 0C24036-CALJ
Misc : A20C400, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:36:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

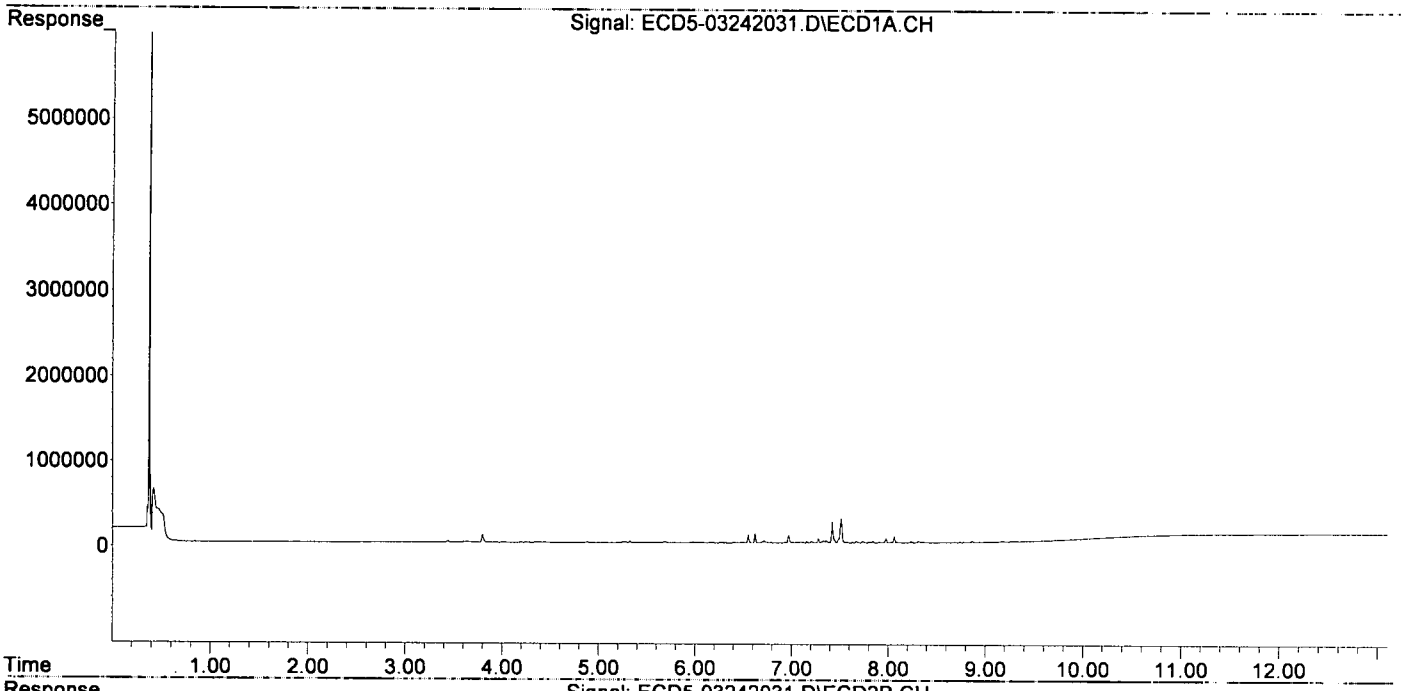
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.420	8.130	246826	385659	9.948	9.087
33)	Chlordane...	7.513	8.238	282652	341698	10.264	9.730
34)	Chlordane...	8.063	8.902	75022	111290	10.011	10.336
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

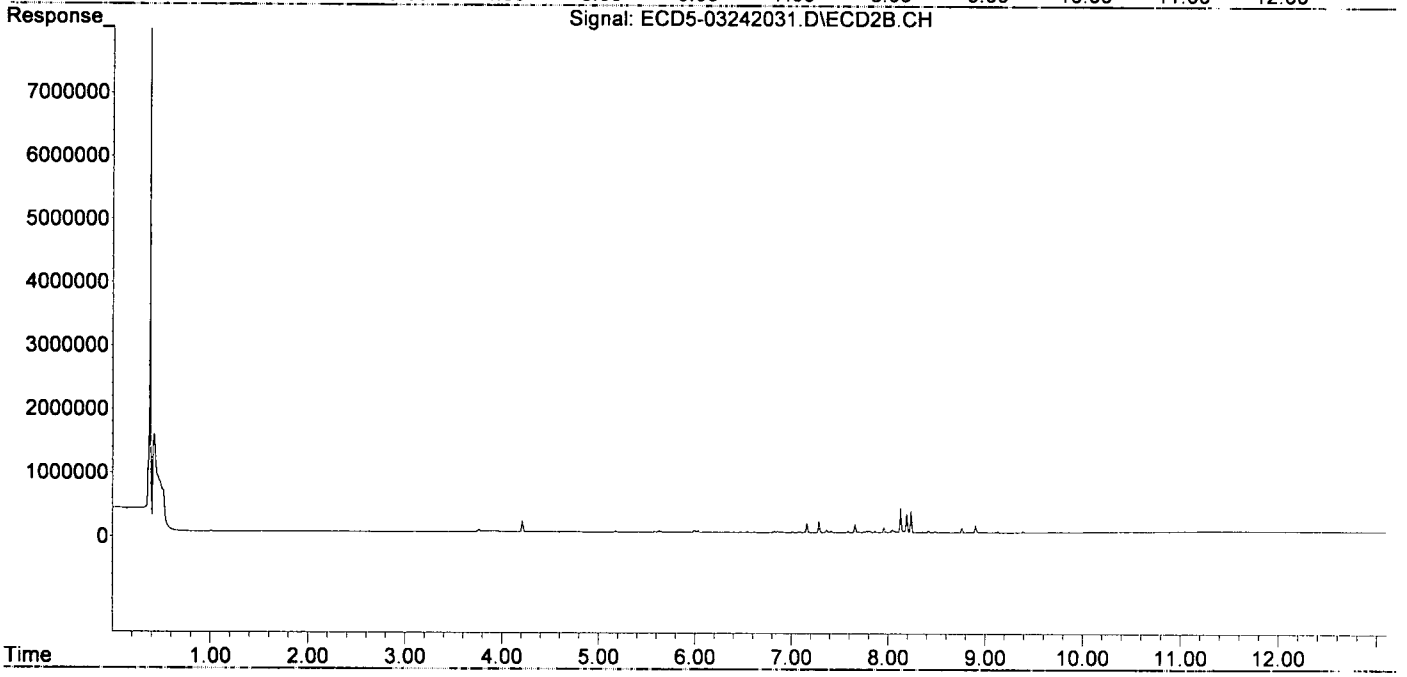
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:05
Operator : MJB
Sample : 0C24036-CALJ
Misc : A20C400, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:36:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:22
Operator : MJB
Sample : 0C24036-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:36:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

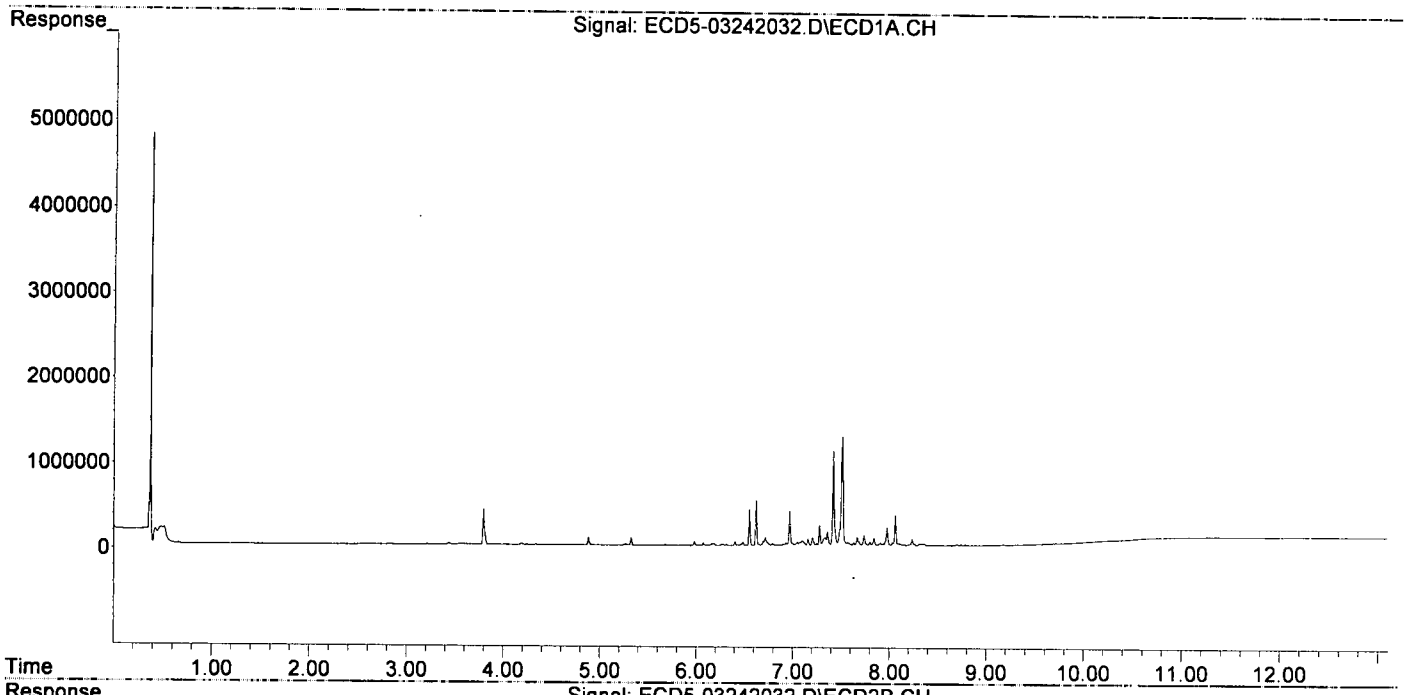
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.420	8.131	1102563	1787615	44.436	42.122
33)	Chlordane...	7.513	8.238	1304898	1475380	47.385	42.013
34)	Chlordane...	8.063	8.902	352851	474158	47.085	44.039
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

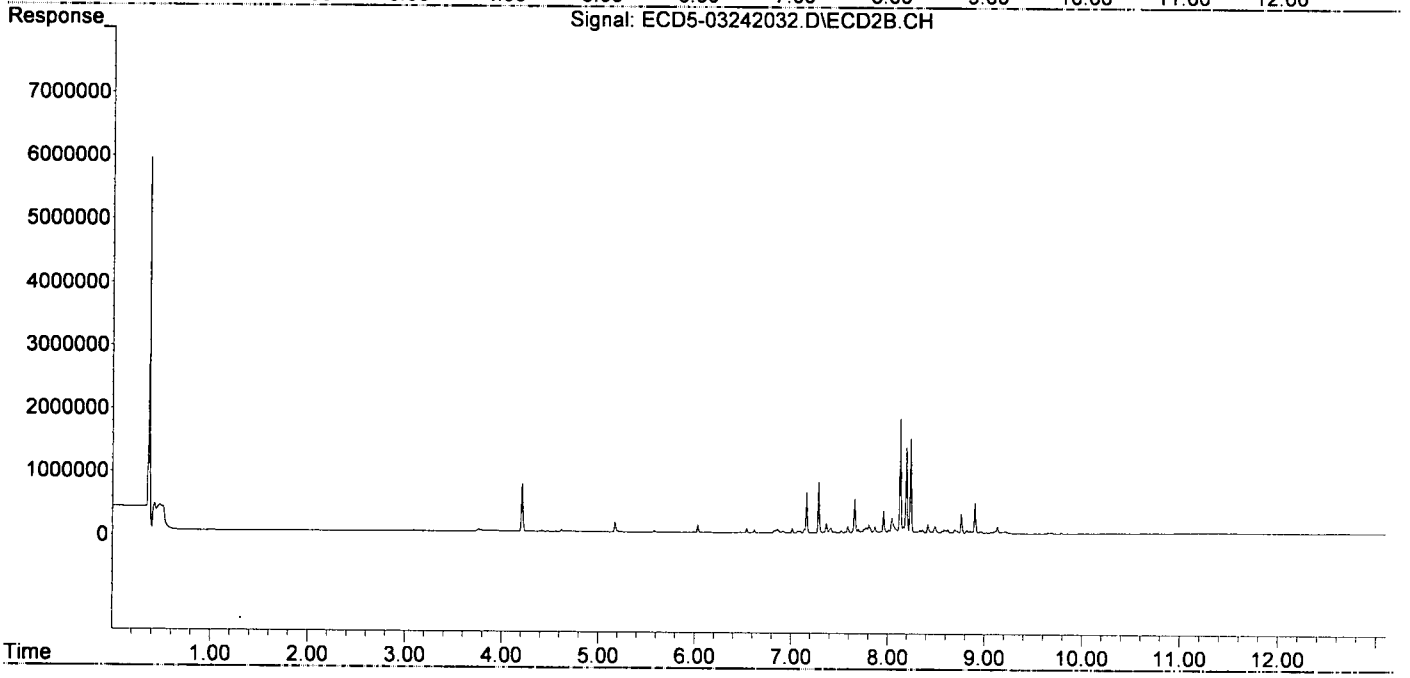
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:22
Operator : MJB
Sample : 0C24036-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:36:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:39
Operator : MJB
Sample : 0C24036-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:37:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

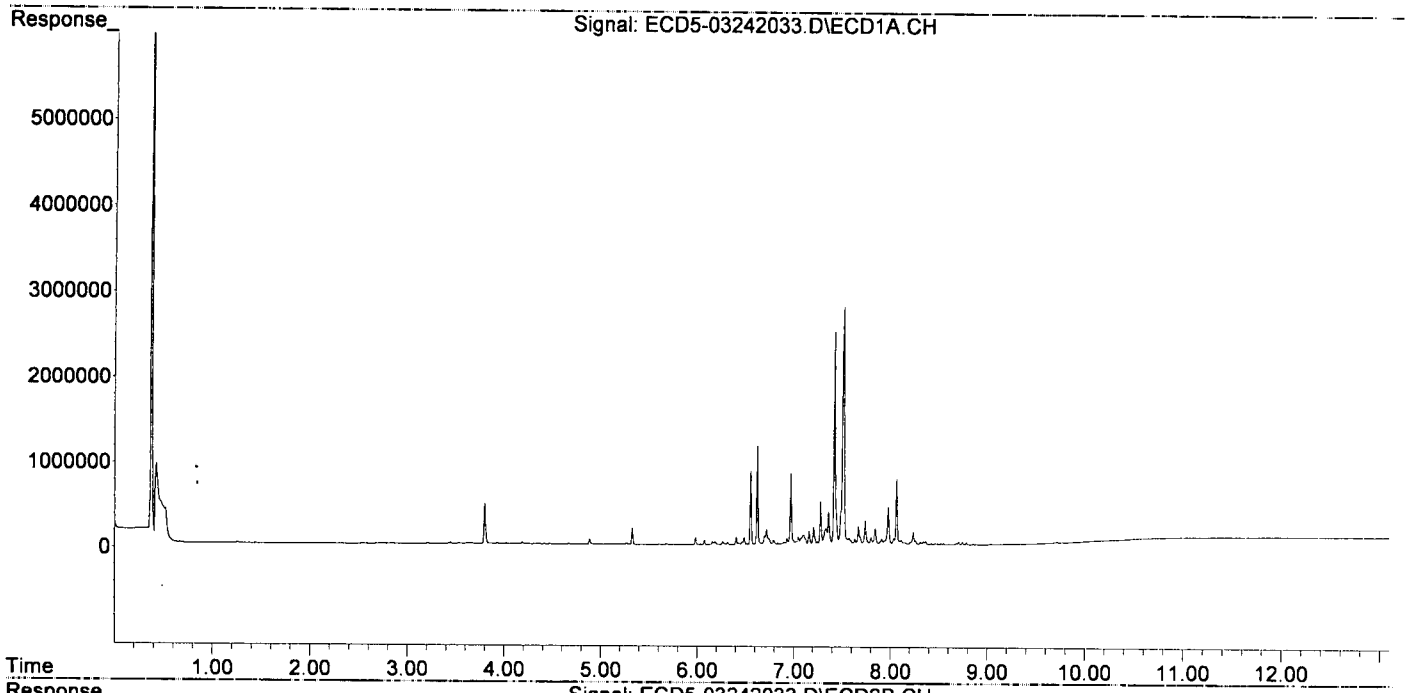
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	7.419	8.131	2486496	4070319	100.211	95.909
33)		Chlordane...	7.513	8.239	2775023	3328222	100.770	94.774
34)		Chlordane...	8.063	8.902	770343	1039600	102.796	96.557
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

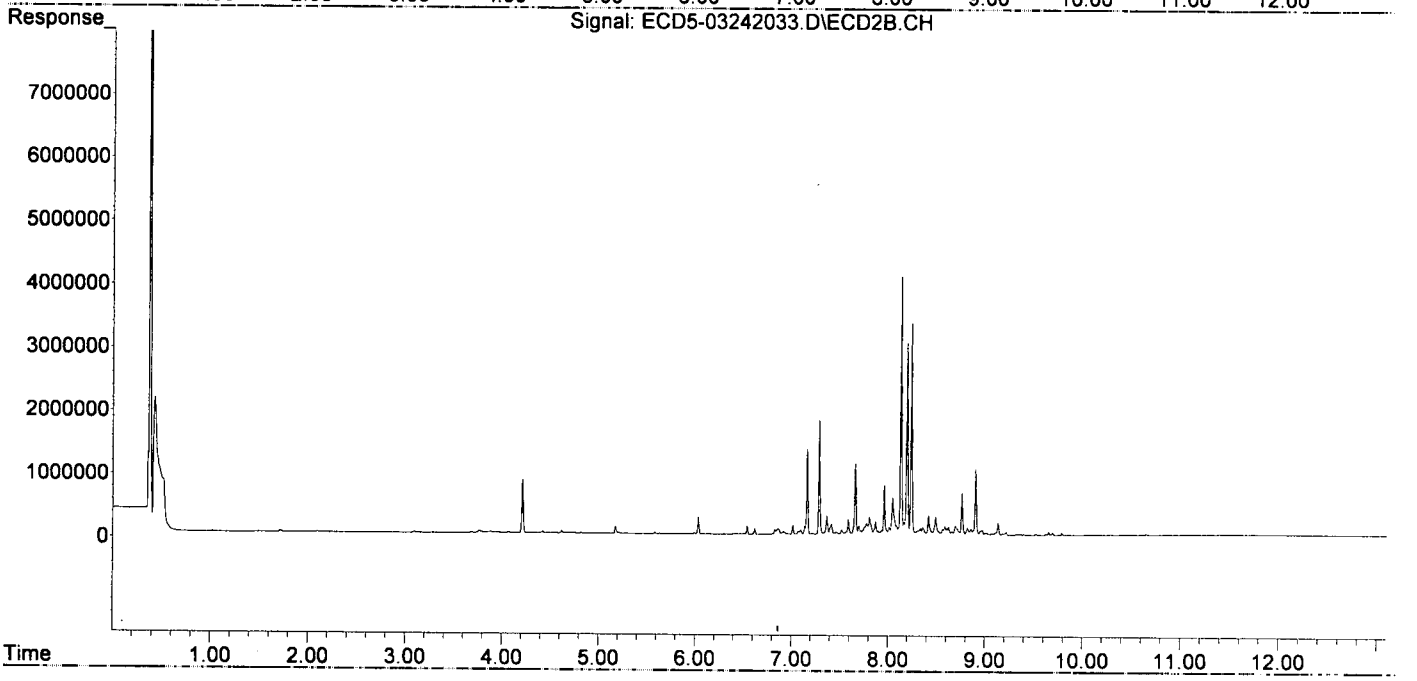
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:39
Operator : MJB
Sample : 0C24036-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:37:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:56
Operator : MJB
Sample : 0C24036-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:37:49 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

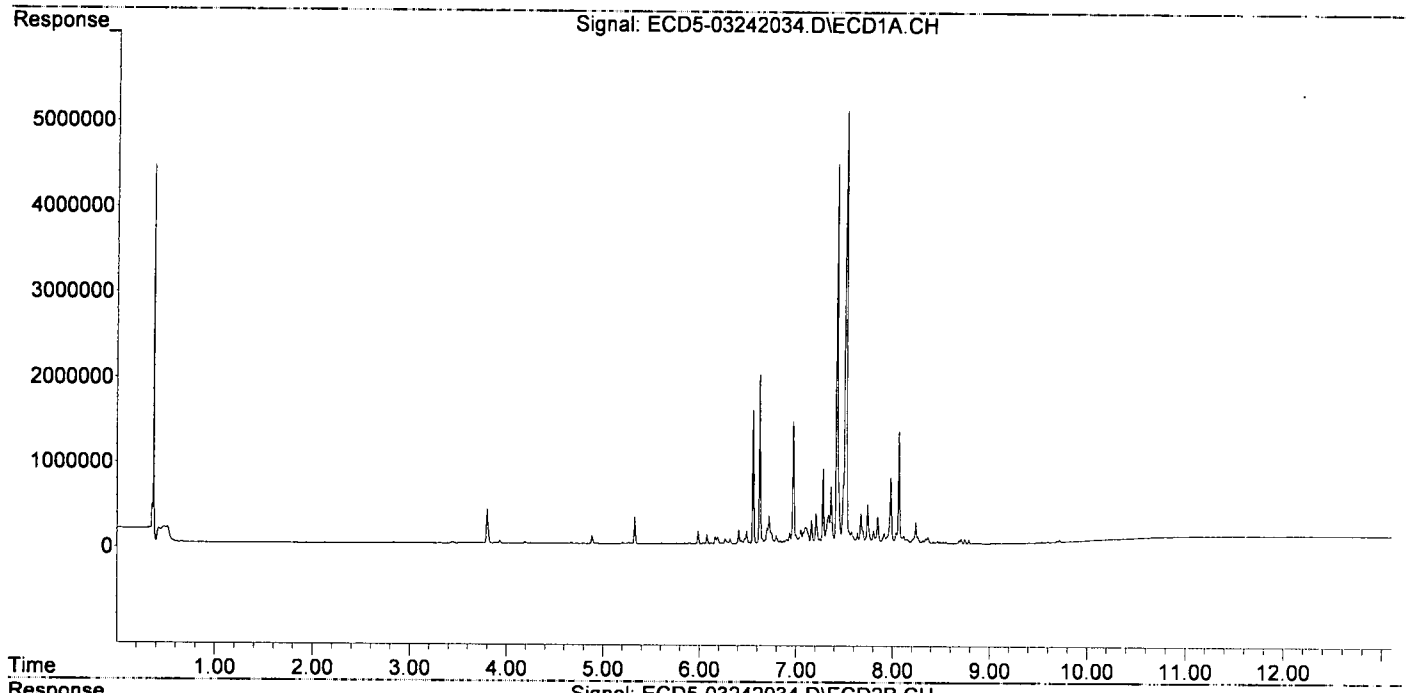
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.421	8.132	4452138	7358273	179.431	173.384
33)	Chlordane...	7.514	8.241	5100975	6135095	185.233	174.702
34)	Chlordane...	8.065	8.904	1329346	1823031	177.391	169.321
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

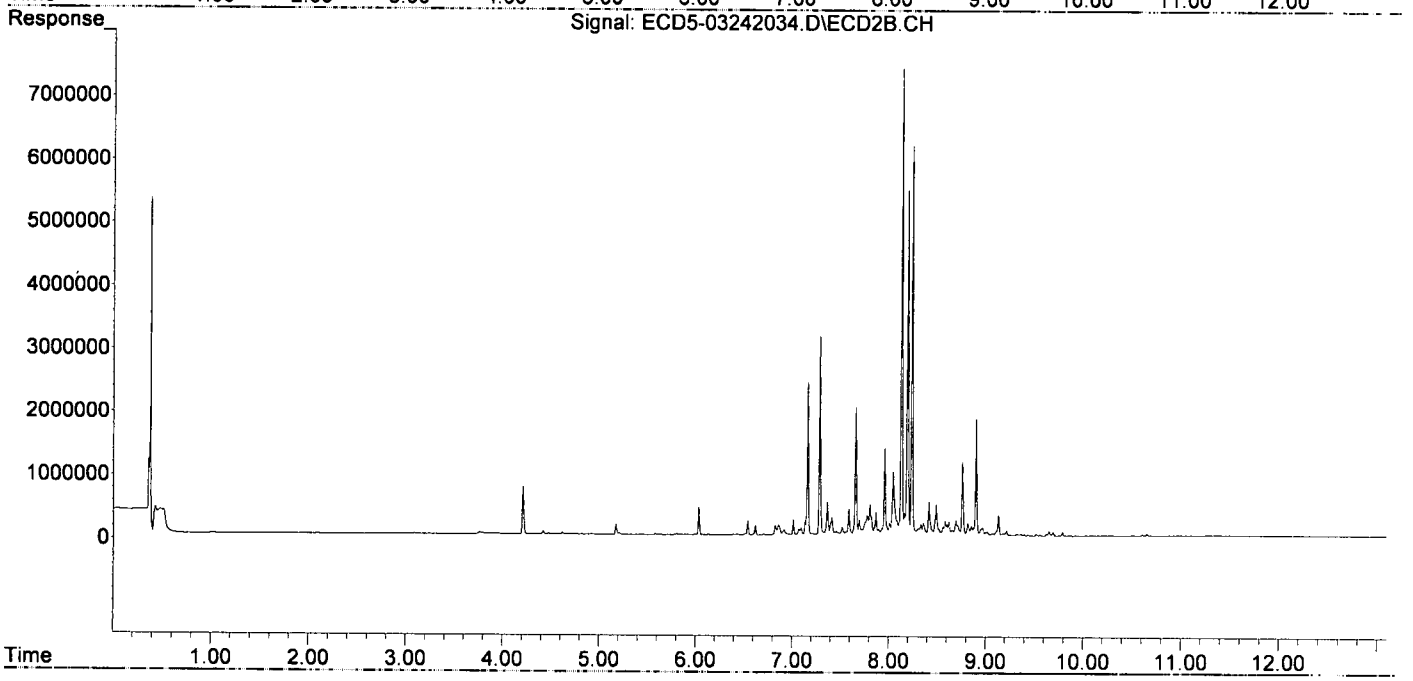
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 21:56
Operator : MJB
Sample : 0C24036-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:37:49 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:14
Operator : MJB
Sample : 0C24036-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:35:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

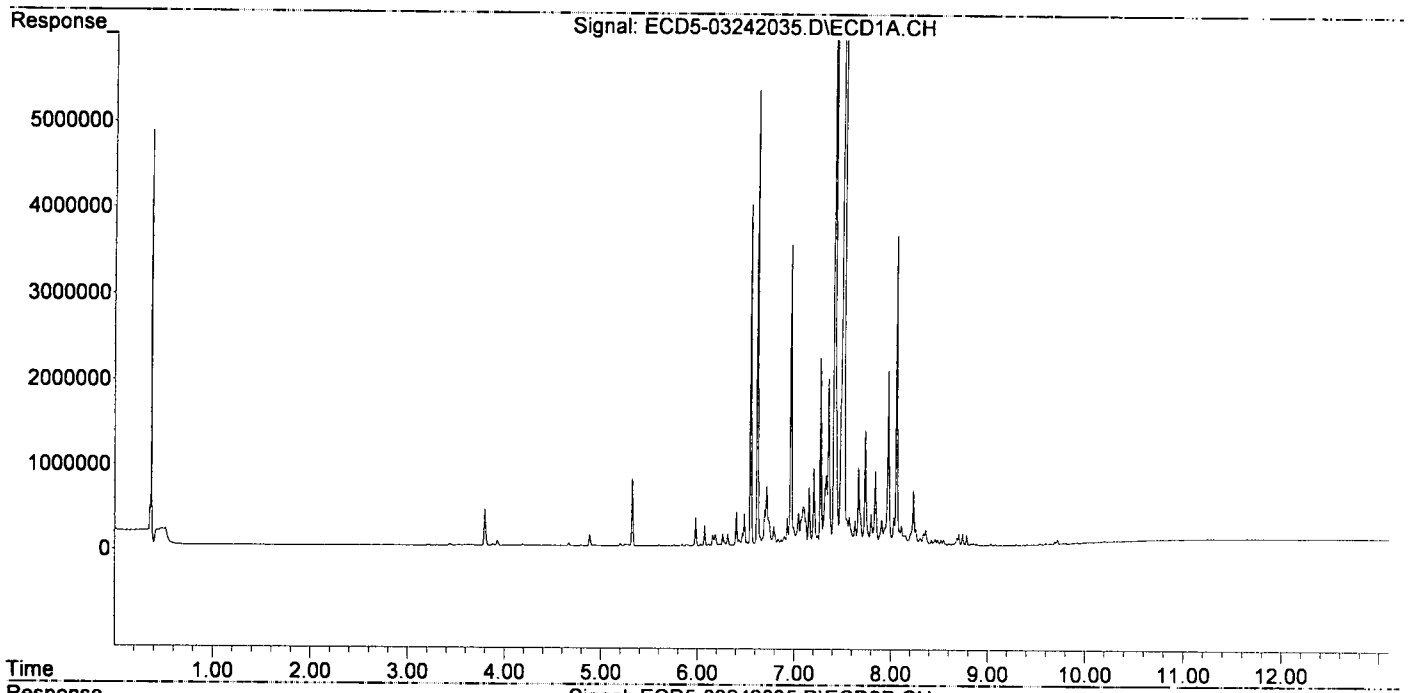
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.419	8.131	11350035	19167147	457.431	451.638
33)	Chlordane...	7.513	8.239	12743783	16083461	462.768	457.990
34)	Chlordane...	8.063	8.902	3611630	4941415	481.943	458.953
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

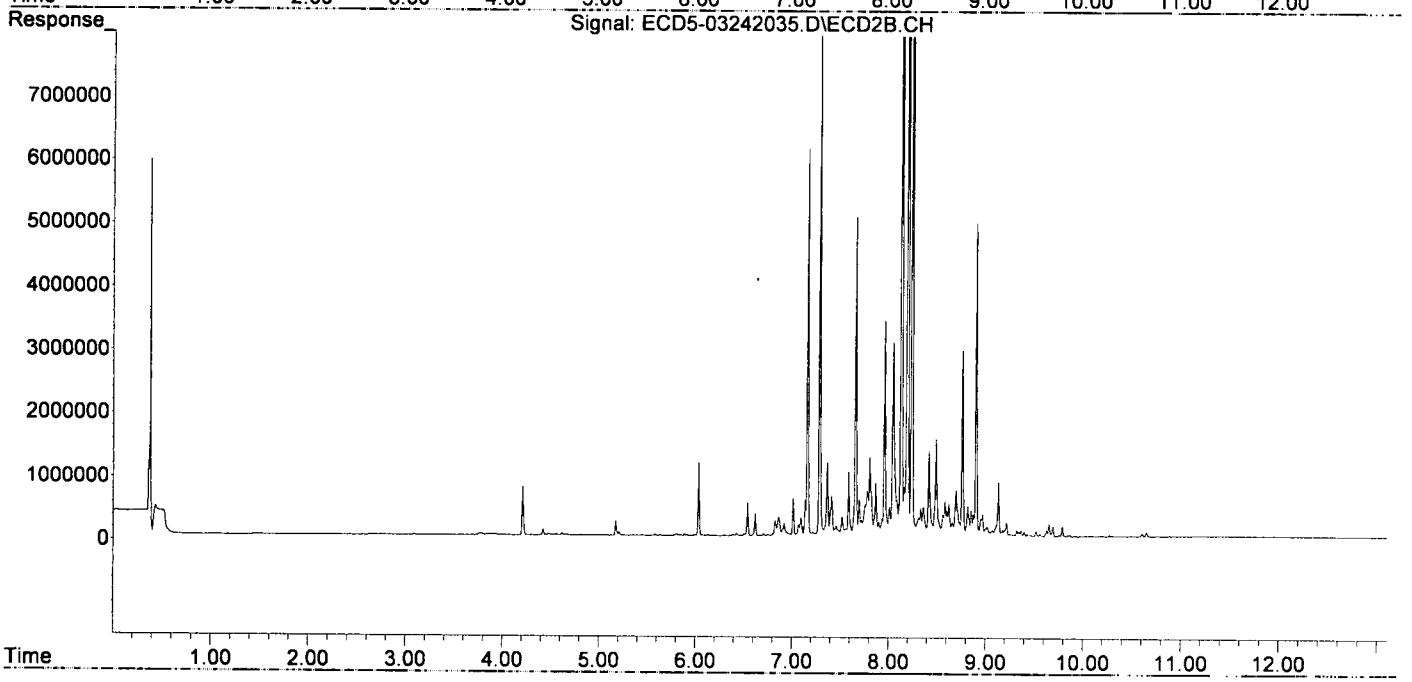
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:14
Operator : MJB
Sample : 0C24036-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:35:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:27:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:31
Operator : MJB
Sample : 0C24036-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:38:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

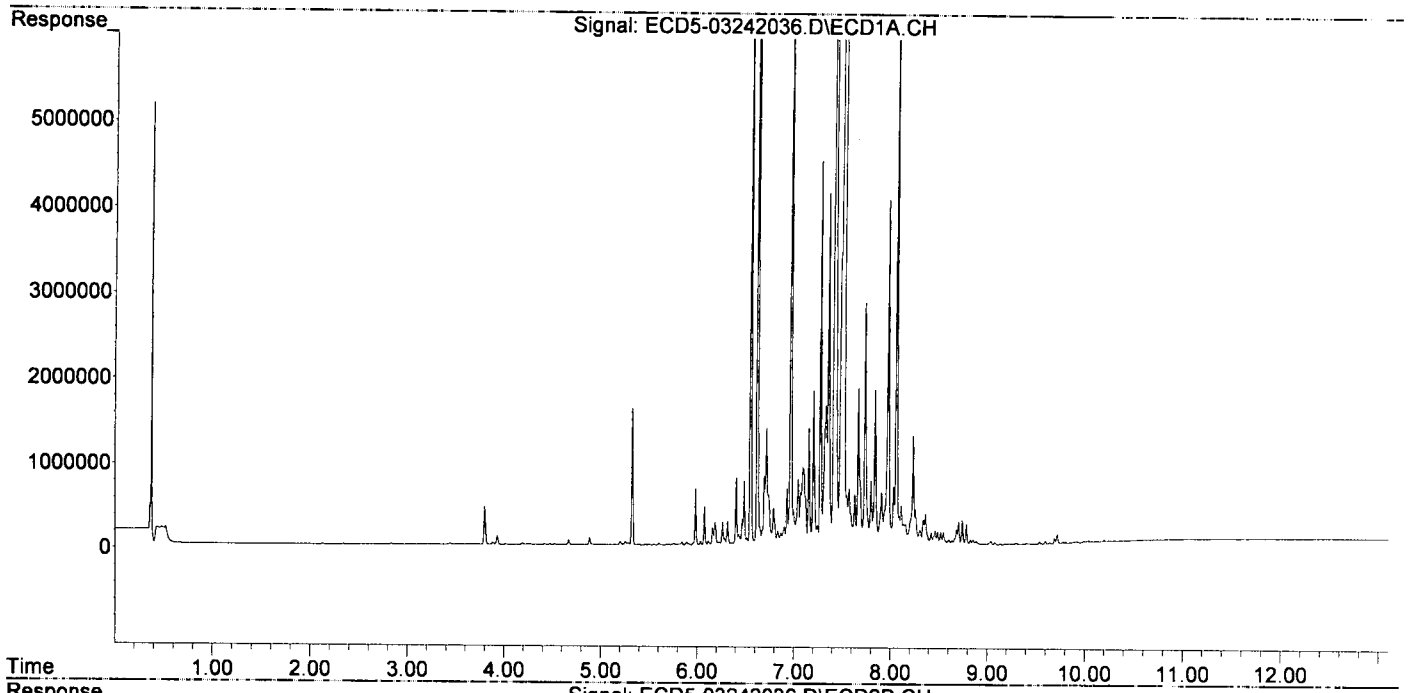
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.419	8.132	23335625	41978790	940.476	989.152
33)	Chlordane...	7.512	8.239	26067771	33852266	946.604	963.972
34)	Chlordane...	8.063	8.902	7301807	10417487	974.368	967.565
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

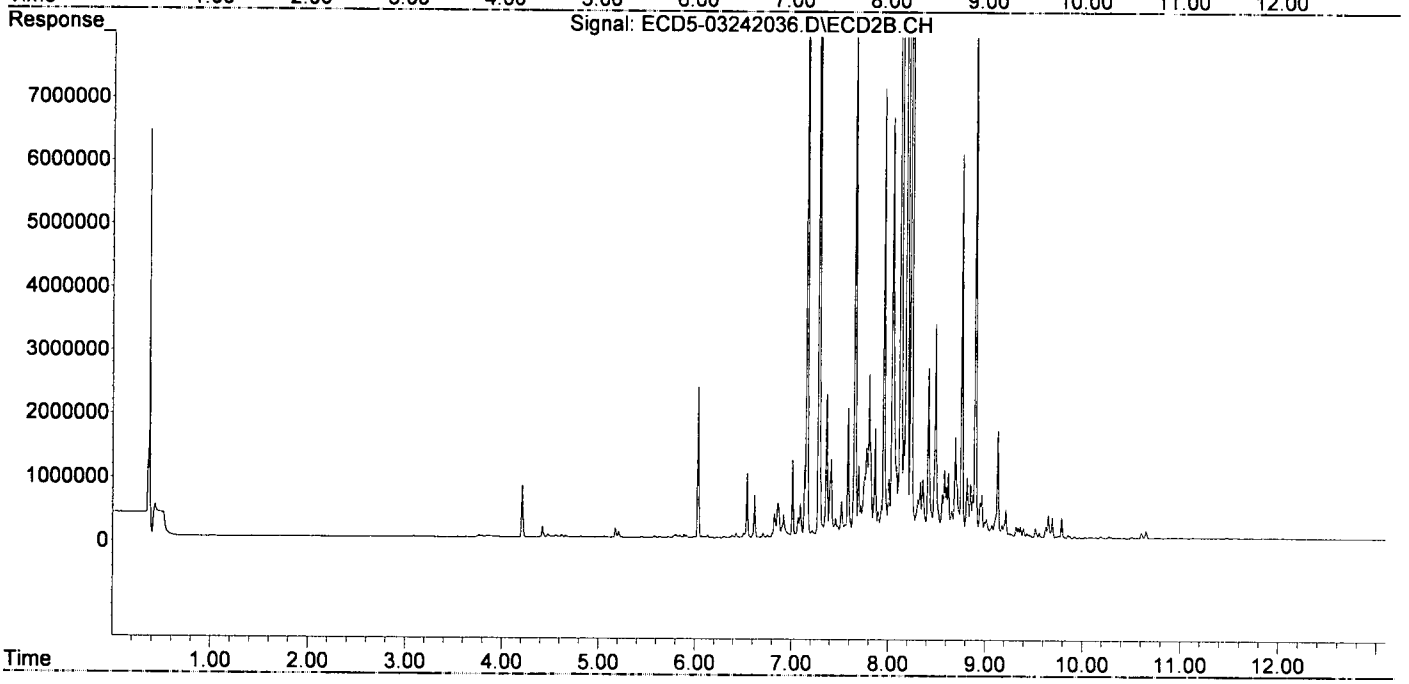
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:31
Operator : MJB
Sample : 0C24036-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:38:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:48
Operator : MJB
Sample : 0C24036-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:38:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

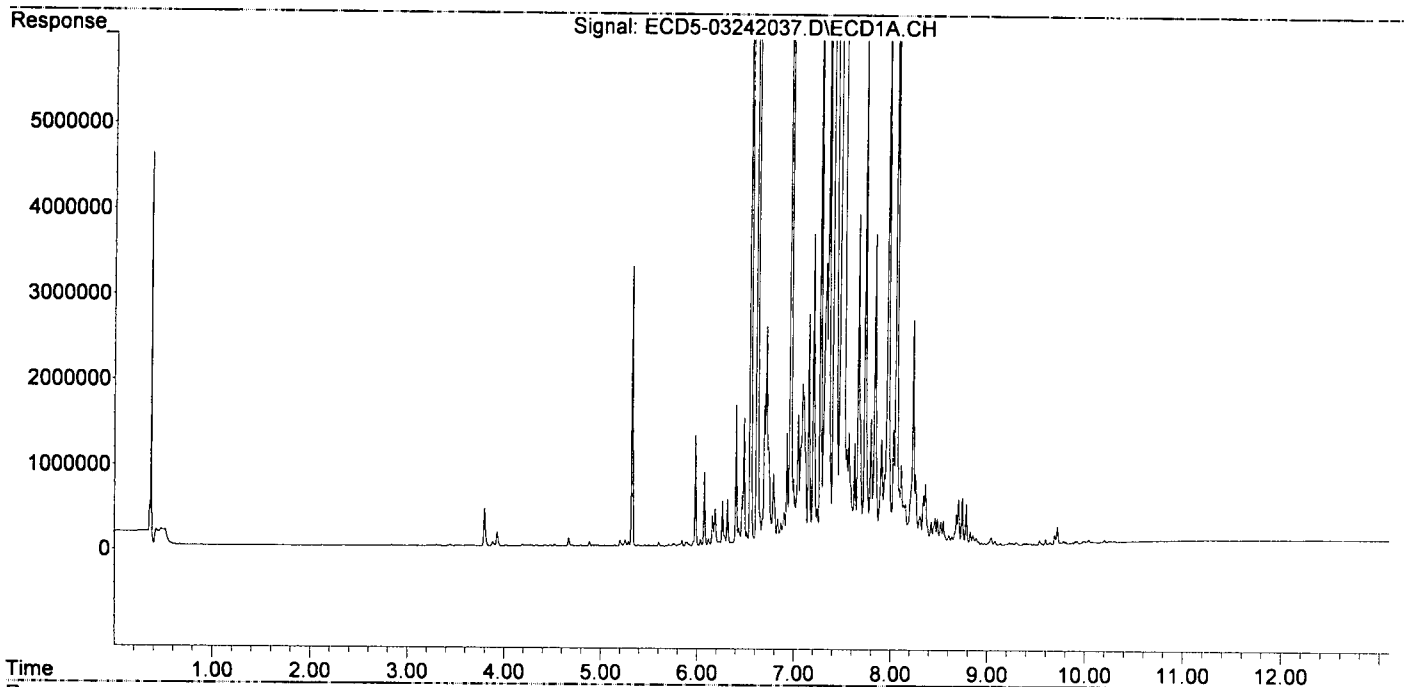
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	7.418	8.132	46999488	87406745	1894.180	2059.577
33)		Chlordane...	7.513	8.239	53385654	71173749	1938.605	2026.732
34)		Chlordane...	8.062	8.901	14906306	22418158	1989.128	2082.175
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

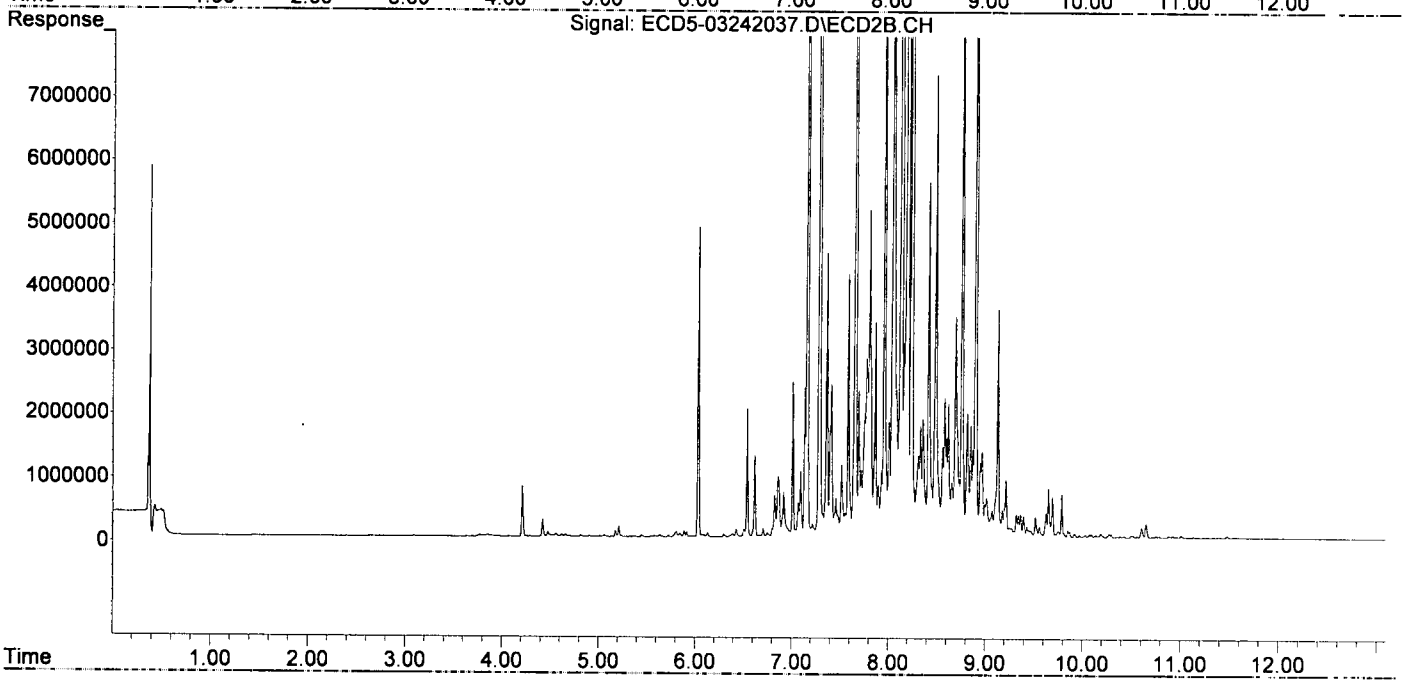
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 22:48
Operator : MJB
Sample : 0C24036-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:38:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:41:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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 3/25/20

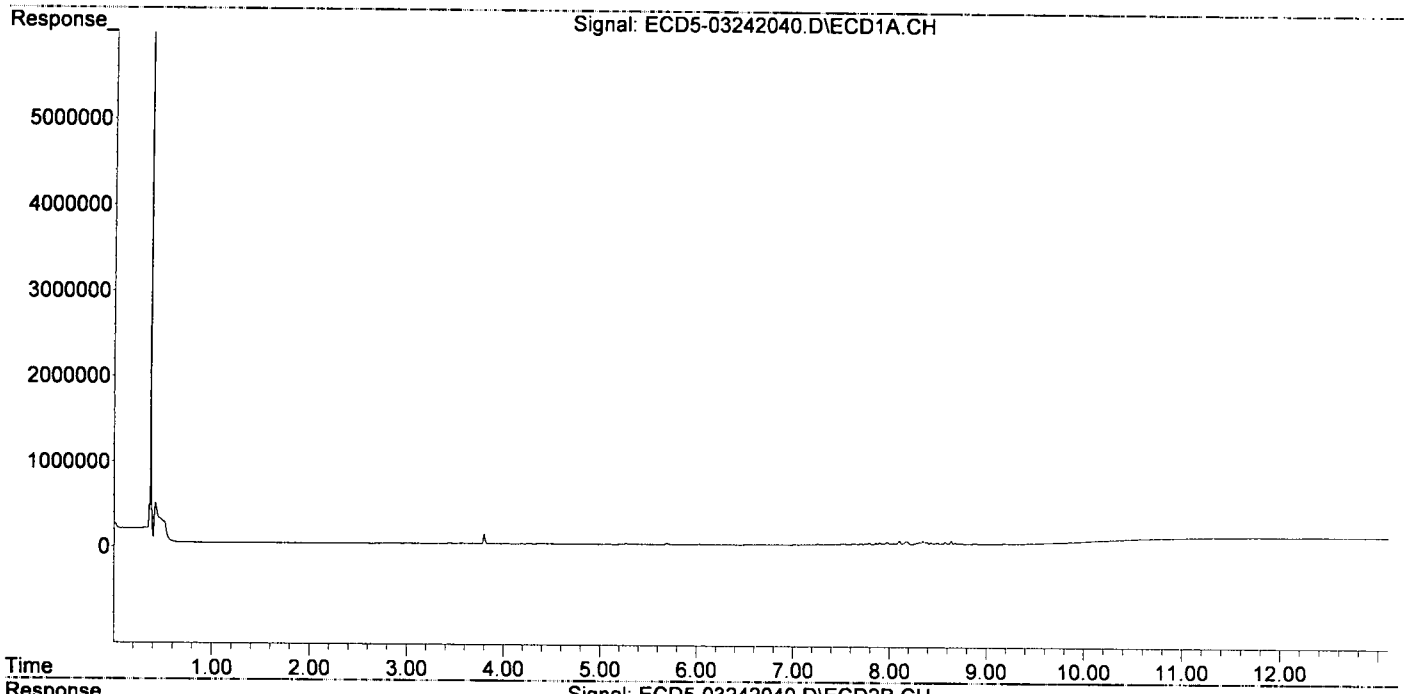
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.499	8.471	11225	31297	10.585	11.068
37)	Toxaphene...	7.791	8.817	23053	38990	11.705	11.239
38)	Toxaphene...	8.103	8.853	47213	64506	11.747	11.235
39)	Toxaphene...	8.343	8.920	47569	116261	12.175	12.572
40)	Toxaphene...	8.571	9.097	32950	54945	10.922	10.833
41)	Toxaphene...	8.639	9.478	45333	60756	11.495	11.375
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

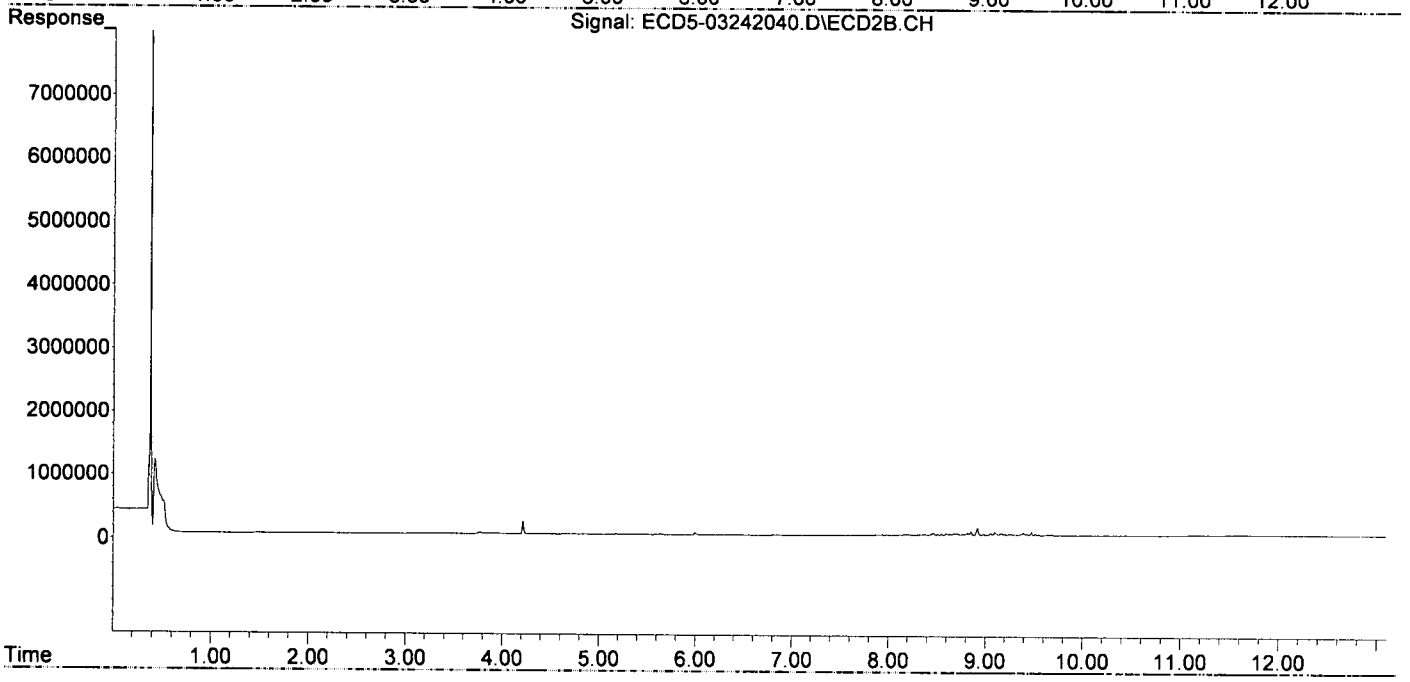
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:39
Operator : MJB
Sample : 0C24036-CALQ
Misc : A20B334, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:41:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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\2020-03\0C24036\
Data File : ECD5-03242041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:56
Operator : MJB
Sample : 0C24036-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:42:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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

MP 3/25/20

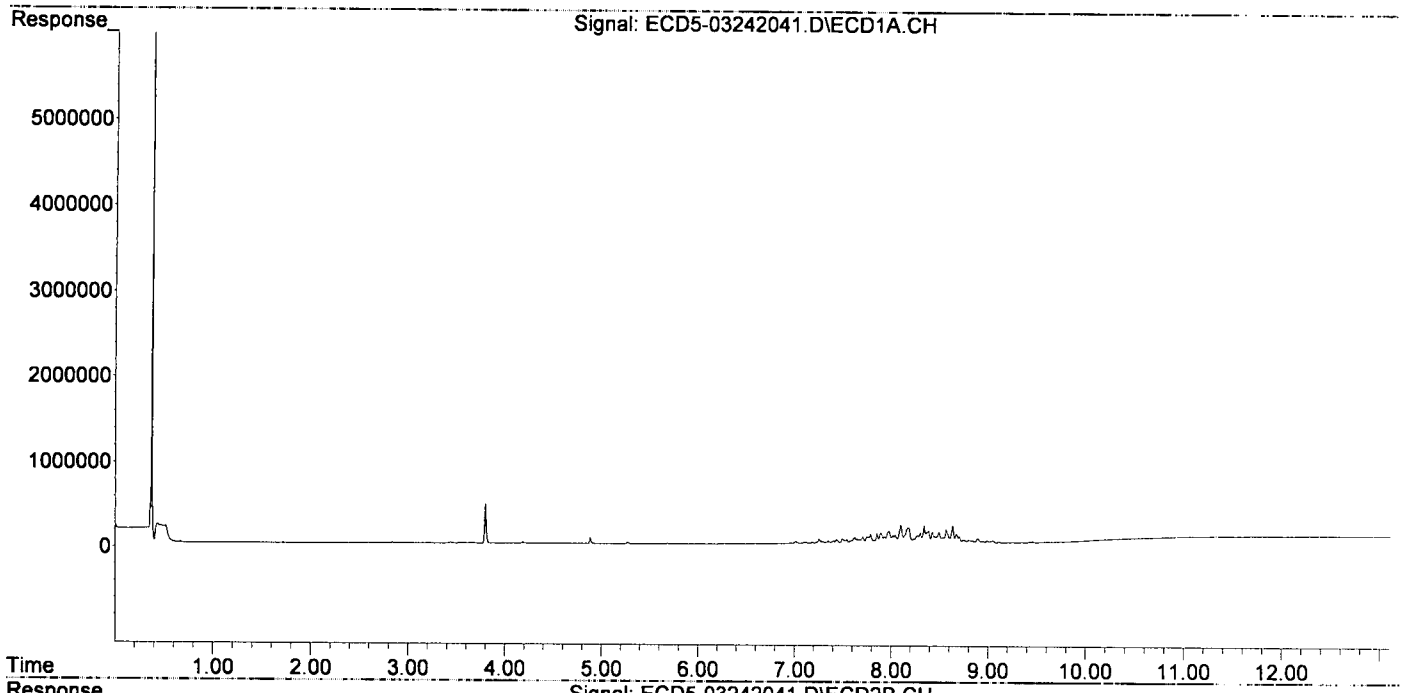
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.496	8.468	59017	156382	55.654	55.306
37)		Toxaphene...	7.789	8.816	106574	191843	54.110	55.299
38)		Toxaphene...	8.101	8.851	220625	293570	54.895	51.130
39)		Toxaphene...	8.341	8.918	205964	456067	52.714	49.316
40)		Toxaphene...	8.569	9.095	160219	253621	53.110	50.002
41)		Toxaphene...	8.636	9.476	207412	273442	52.593	51.193
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

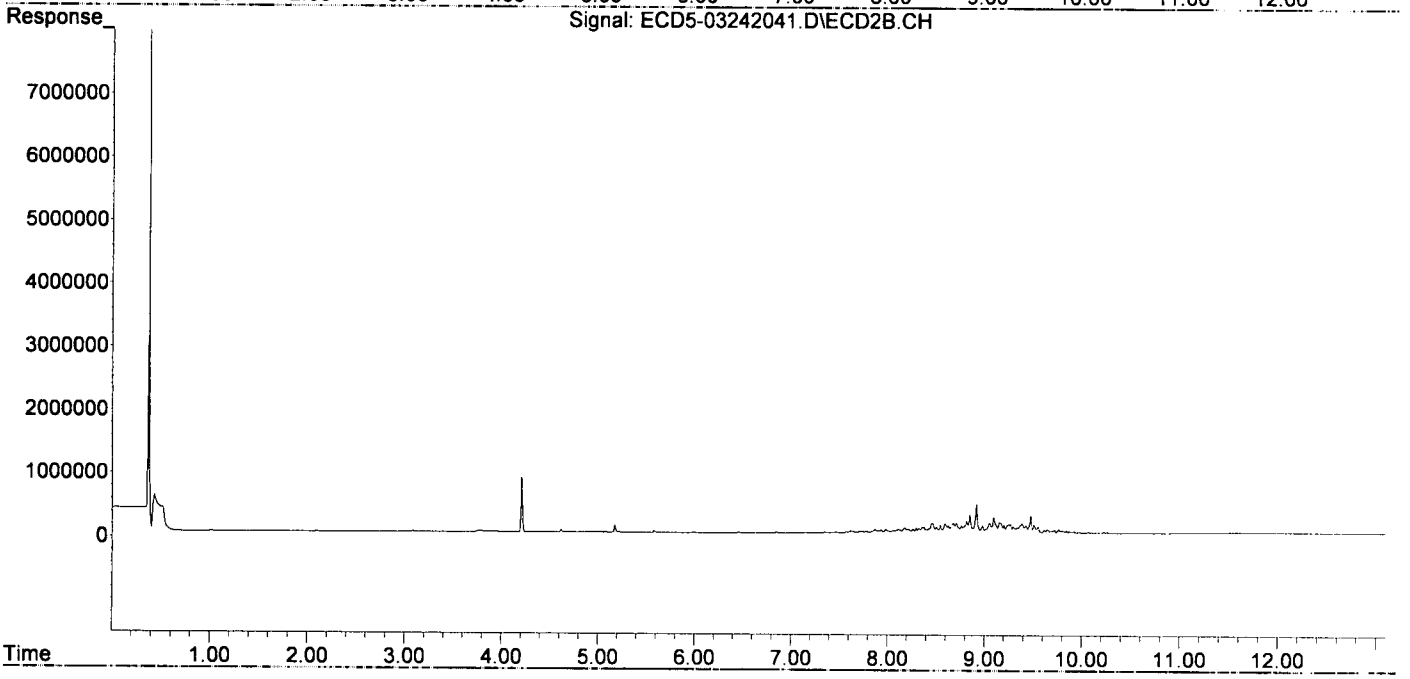
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Mar 2020 23:56
Operator : MJB
Sample : 0C24036-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:42:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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\2020-03\0C24036\
Data File : ECD5-03242042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:13
Operator : MJB
Sample : 0C24036-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:42:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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 3/25/20

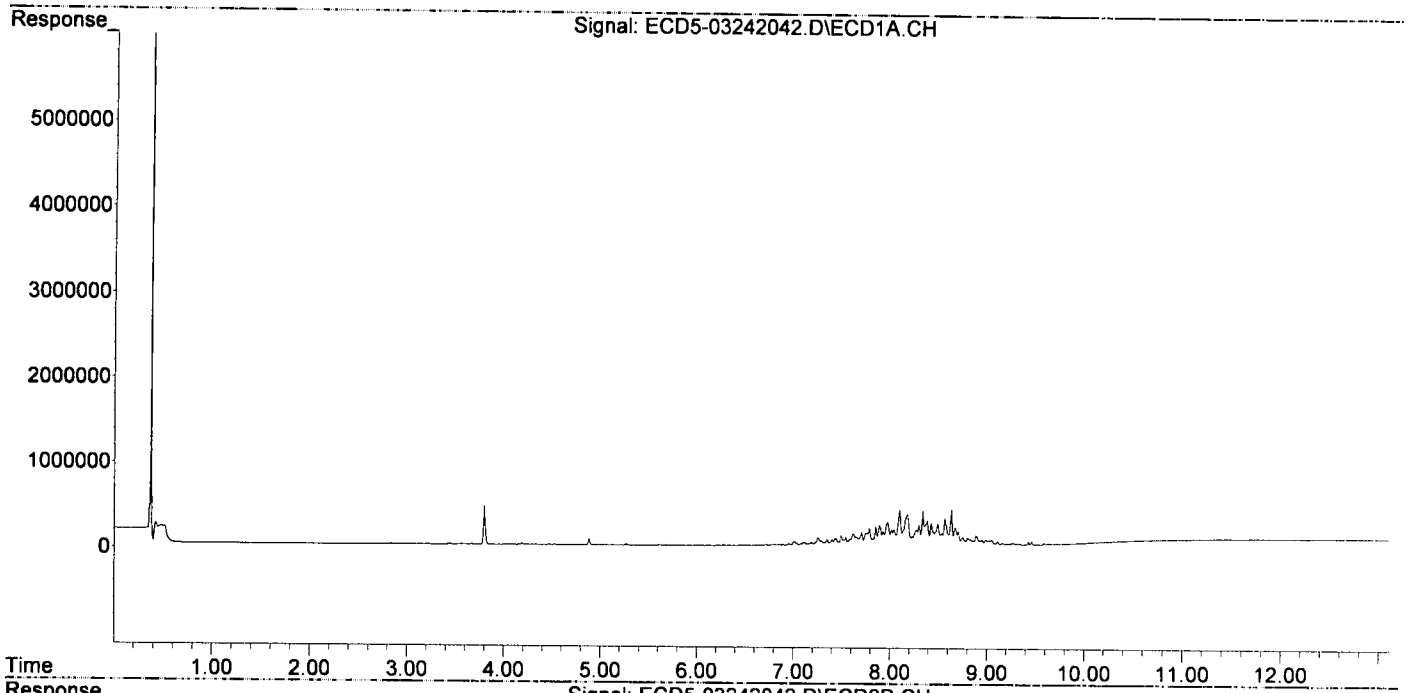
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.495	8.467	111060	287265	104.732	101.594
37)	Toxaphene...	7.788	8.815	197990	355195	100.523	102.386
38)	Toxaphene...	8.100	8.851	412345	562449	102.598	97.960
39)	Toxaphene...	8.341	8.918	391751	879719	100.264	95.127
40)	Toxaphene...	8.569	9.095	313162	488364	103.808	96.283
41)	Toxaphene...	8.636	9.475	412942	529637	104.709	99.157
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

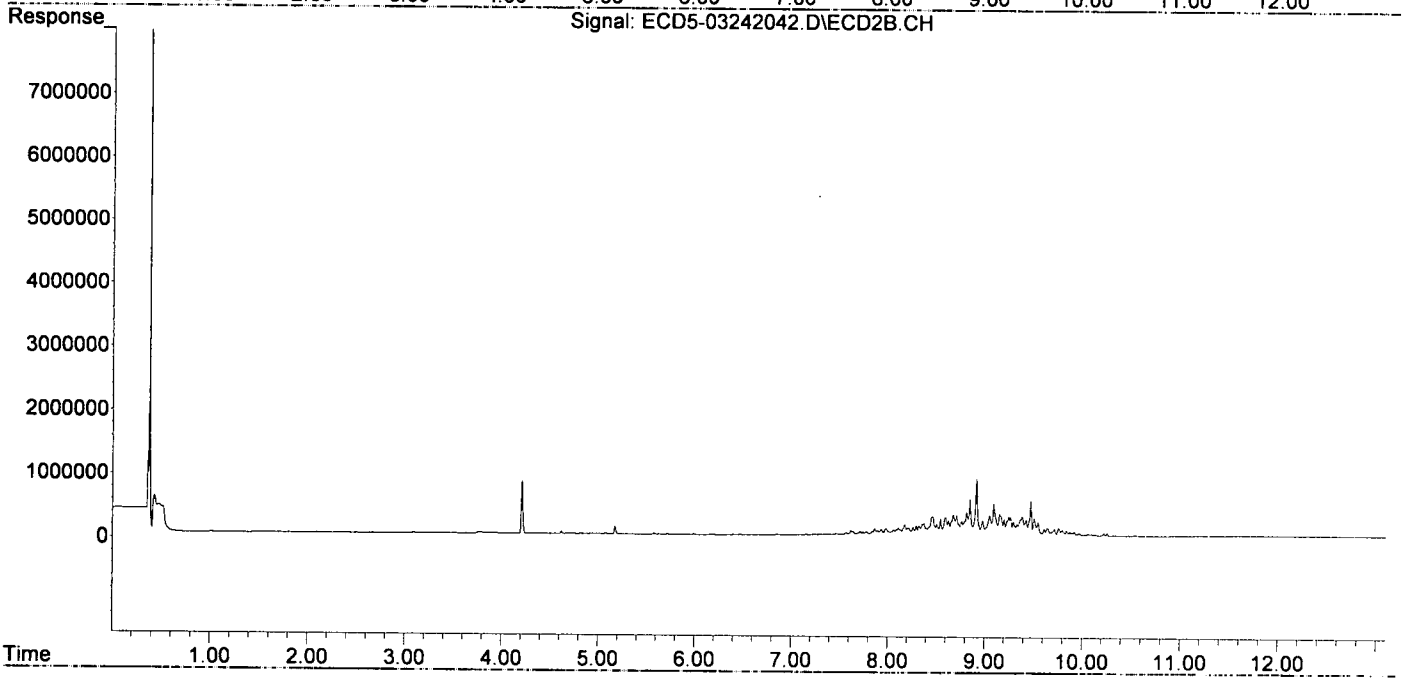
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:13
Operator : MJB
Sample : 0C24036-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:42:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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\2020-03\0C24036\
Data File : ECD5-03242043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:31
Operator : MJB
Sample : 0C24036-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:43:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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 3/25/20

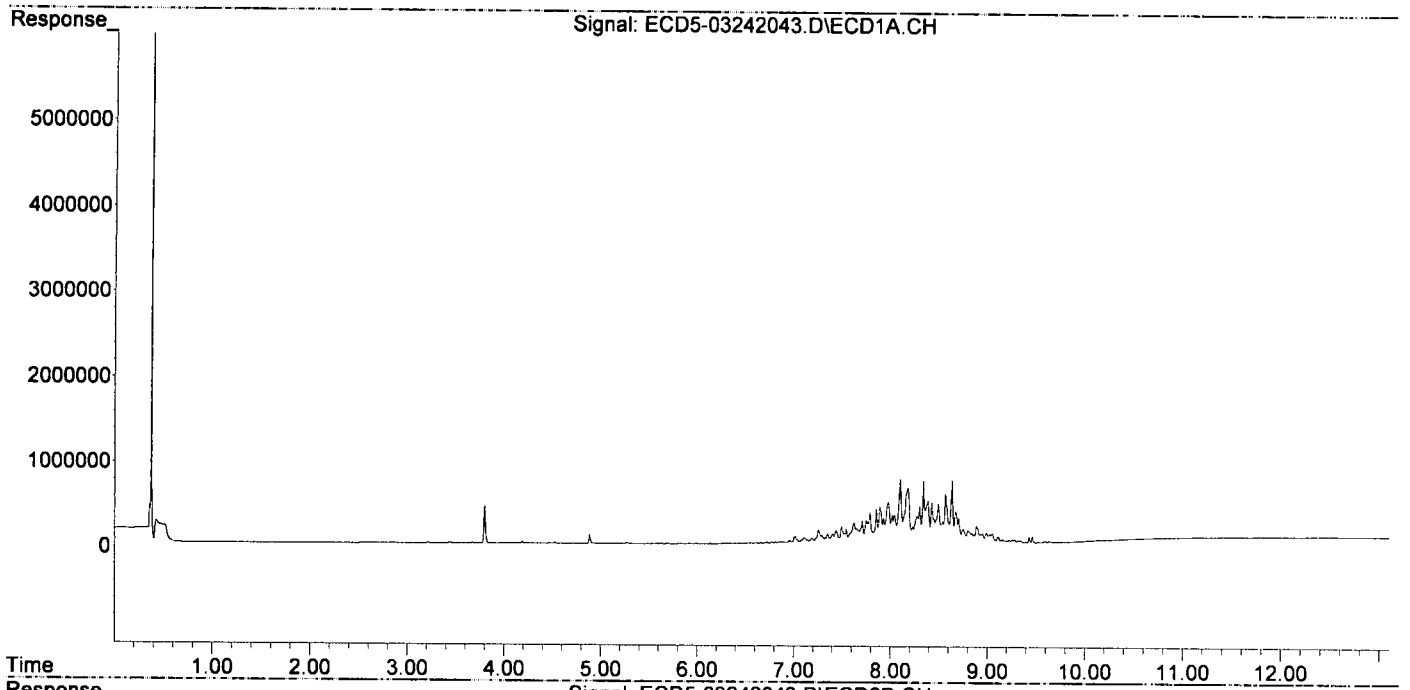
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.495	8.467	198022	532496	186.739	188.322
37)		Toxaphene...	7.788	8.815	356203	676906	180.851	195.120
38)		Toxaphene...	8.100	8.850	754269	1026403	187.674	178.765
39)		Toxaphene...	8.341	8.918	729429	1629969	186.688	176.253
40)		Toxaphene...	8.569	9.095	576091	904494	190.965	178.325
41)		Toxaphene...	8.636	9.475	741229	998411	187.951	186.919
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

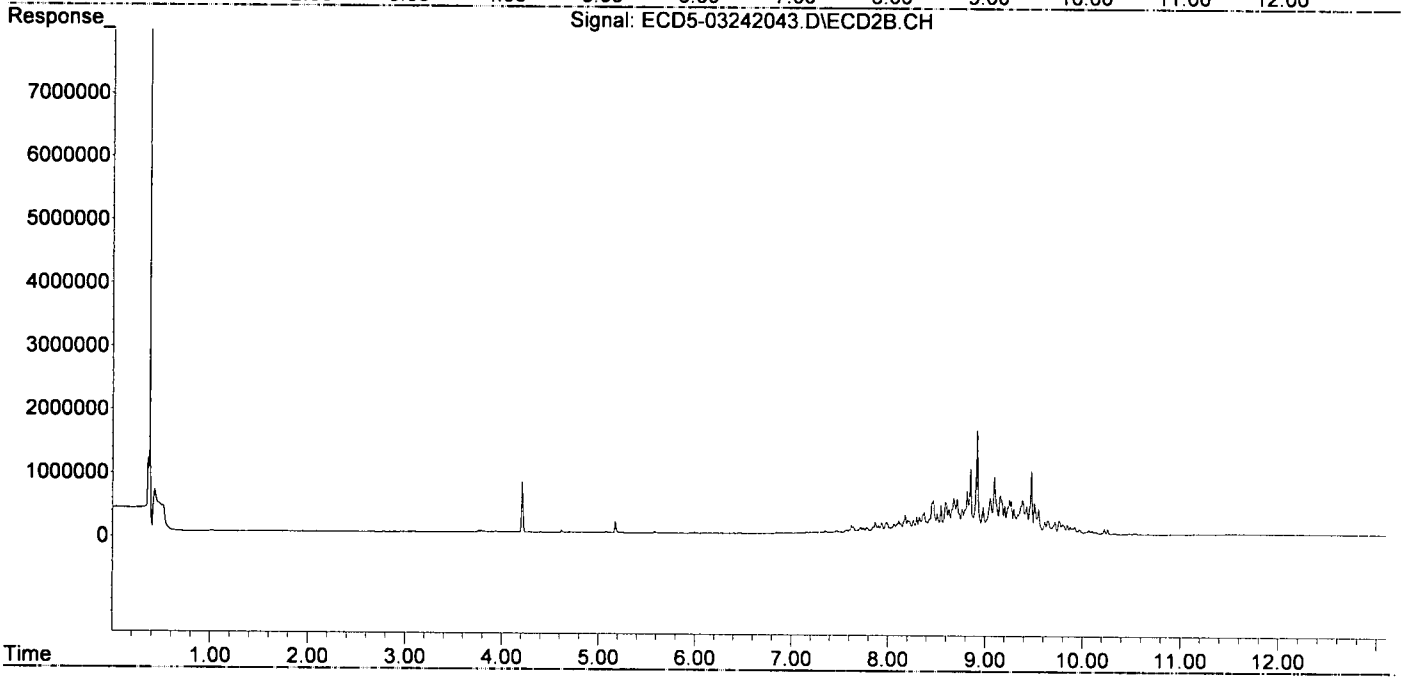
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:31
Operator : MJB
Sample : 0C24036-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:43:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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\2020-03\0C24036\
Data File : ECD5-03242044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:48
Operator : MJB
Sample : 0C24036-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:40:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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 3/25/20

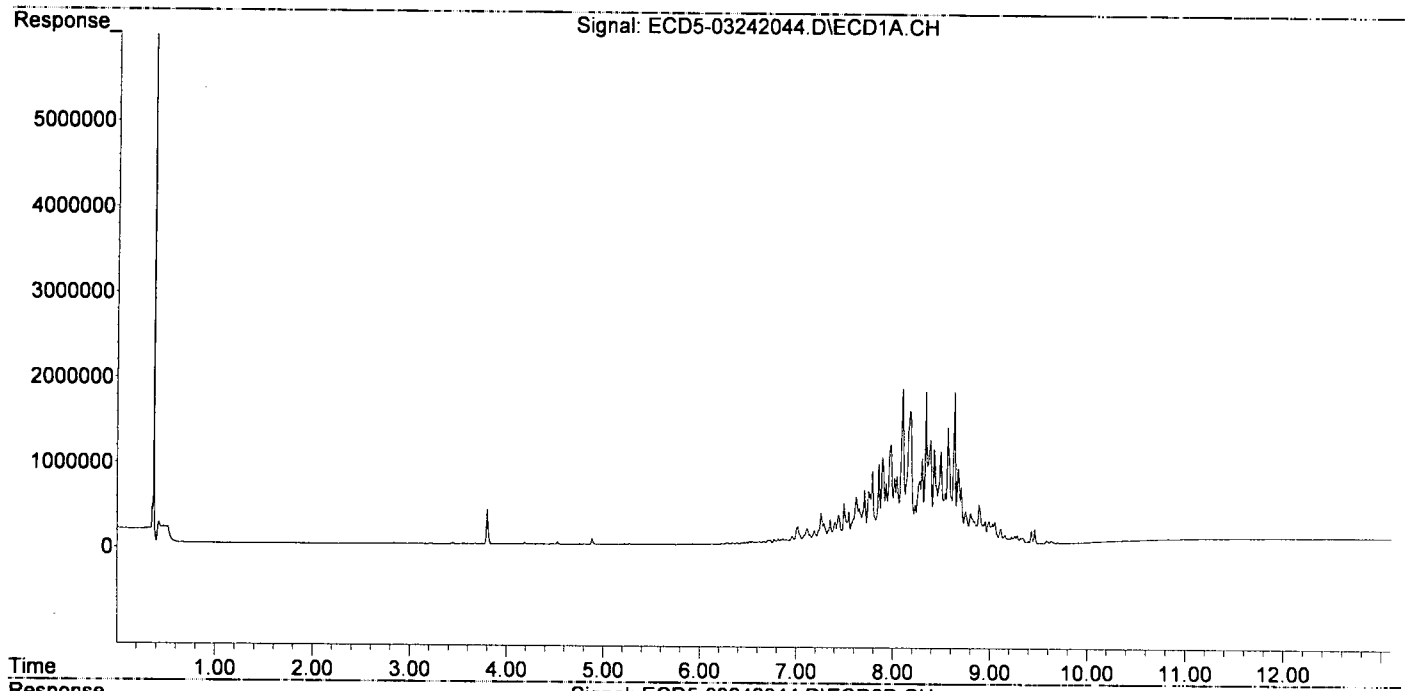
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.494	8.467	474801	1284194	447.747	454.168
37)		Toxaphene...	7.787	8.815	859180	1632080	436.221	470.451
38)		Toxaphene...	8.099	8.850	1819799	2521196	452.795	439.108
39)		Toxaphene...	8.340	8.917	1782592	4046166	456.231	437.524
40)		Toxaphene...	8.568	9.094	1366223	2276816	452.881	448.884
41)		Toxaphene...	8.635	9.475	1789727	2424995	453.817	453.998
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

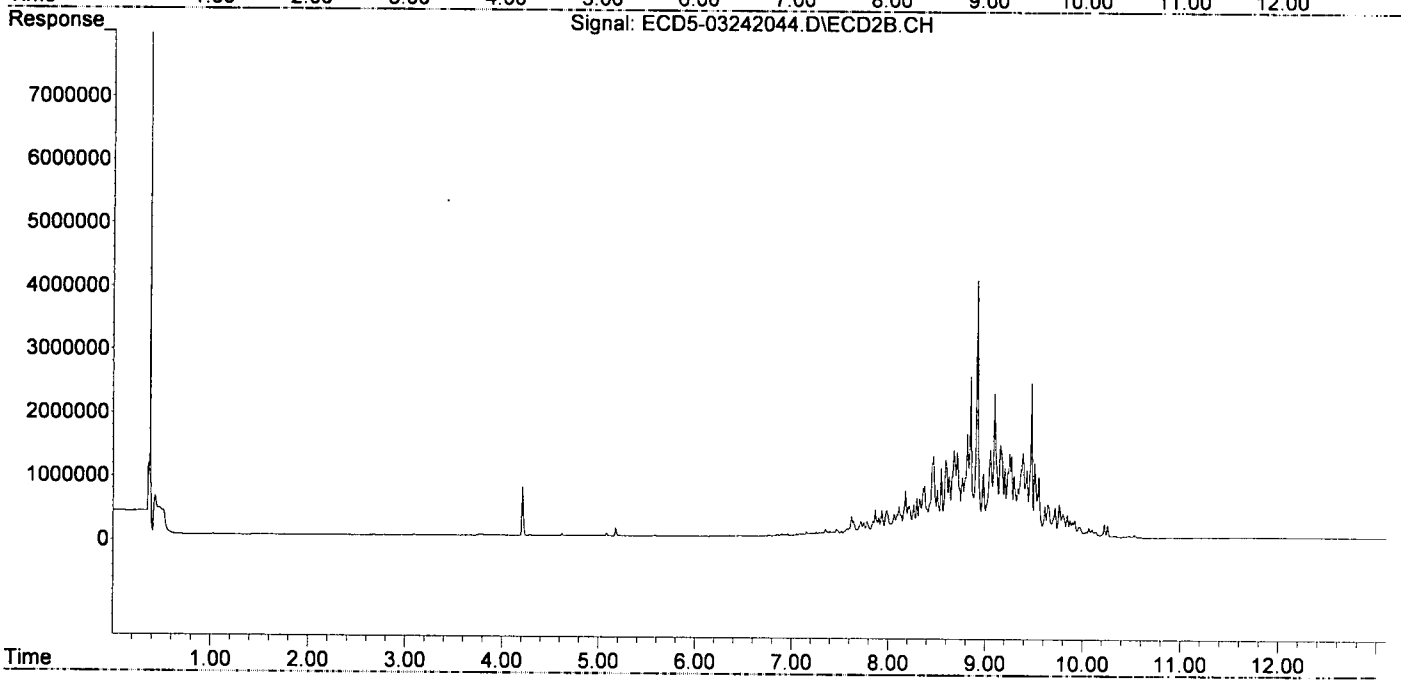
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 0:48
Operator : MJB
Sample : 0C24036-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:40:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:35:39 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides 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\2020-03\0C24036\
Data File : ECD5-03242045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:05
Operator : MJB
Sample : 0C24036-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:43:39 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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 3/25/20

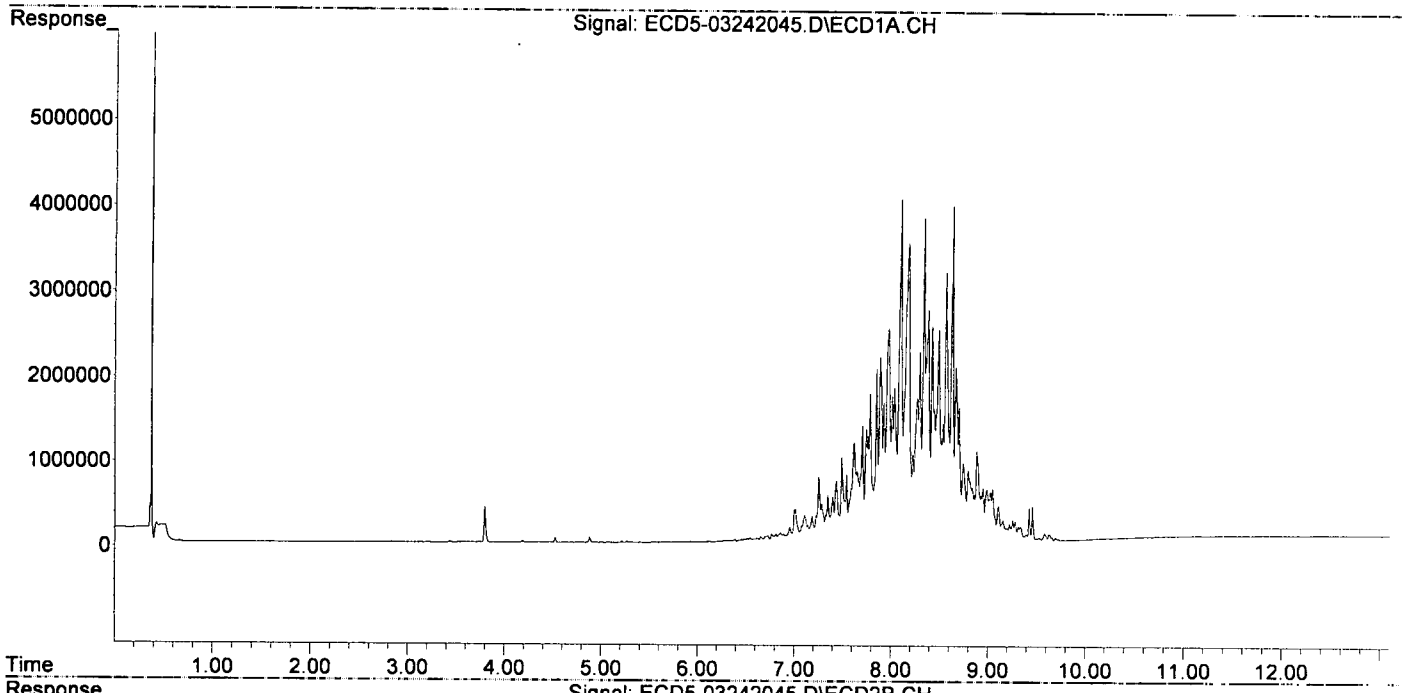
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.494	8.467	980575	2709679	924.704	958.304
37)	Toxaphene...	7.787	8.815	1744371	3583528	885.649	1032.960
38)	Toxaphene...	8.100	8.850	4006607	5442521	996.907	947.904
39)	Toxaphene...	8.339	8.918	3786246	8989591	969.040	972.071
40)	Toxaphene...	8.568	9.094	3148951	4954854	1043.825	976.870
41)	Toxaphene...	8.634	9.475	3945722	5554464	1000.507	1039.885
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

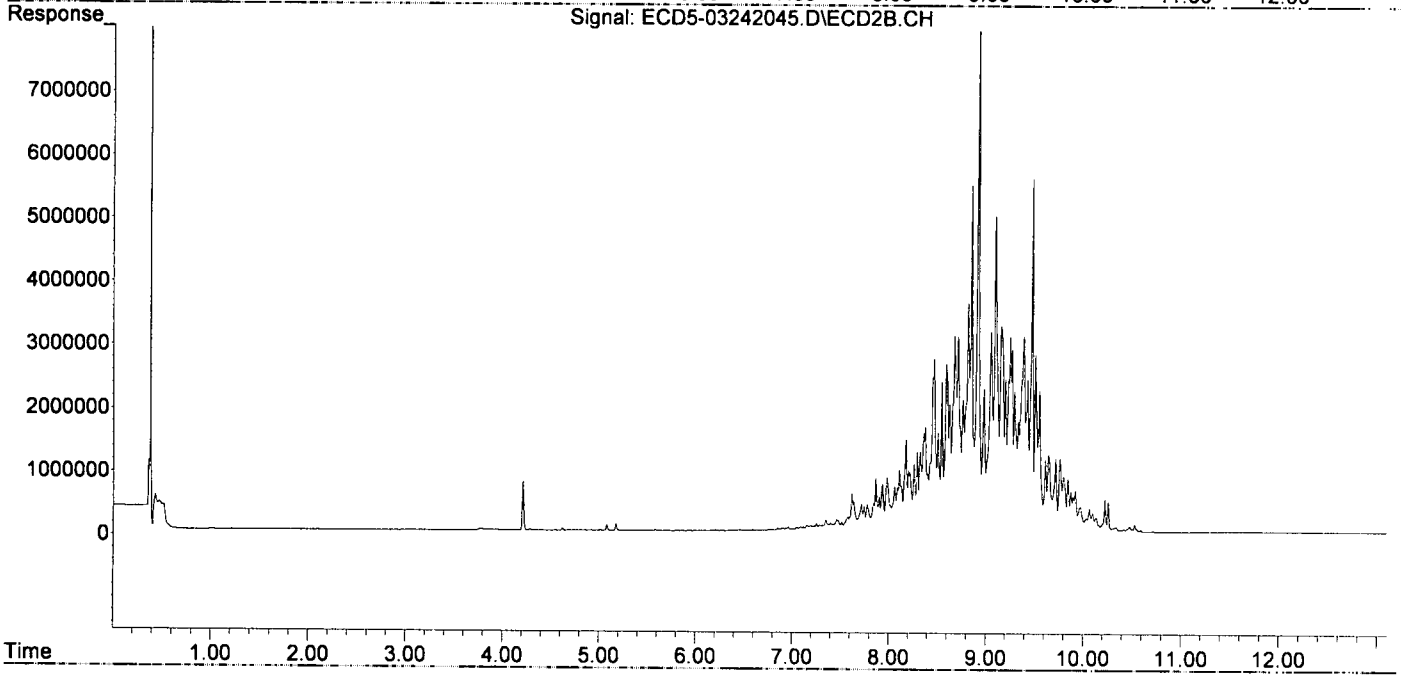
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:05
Operator : MJB
Sample : 0C24036-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:43:39 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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\2020-03\0C24036\
Data File : ECD5-03242046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:22
Operator : MJB
Sample : 0C24036-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:44:11 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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 3/25/20

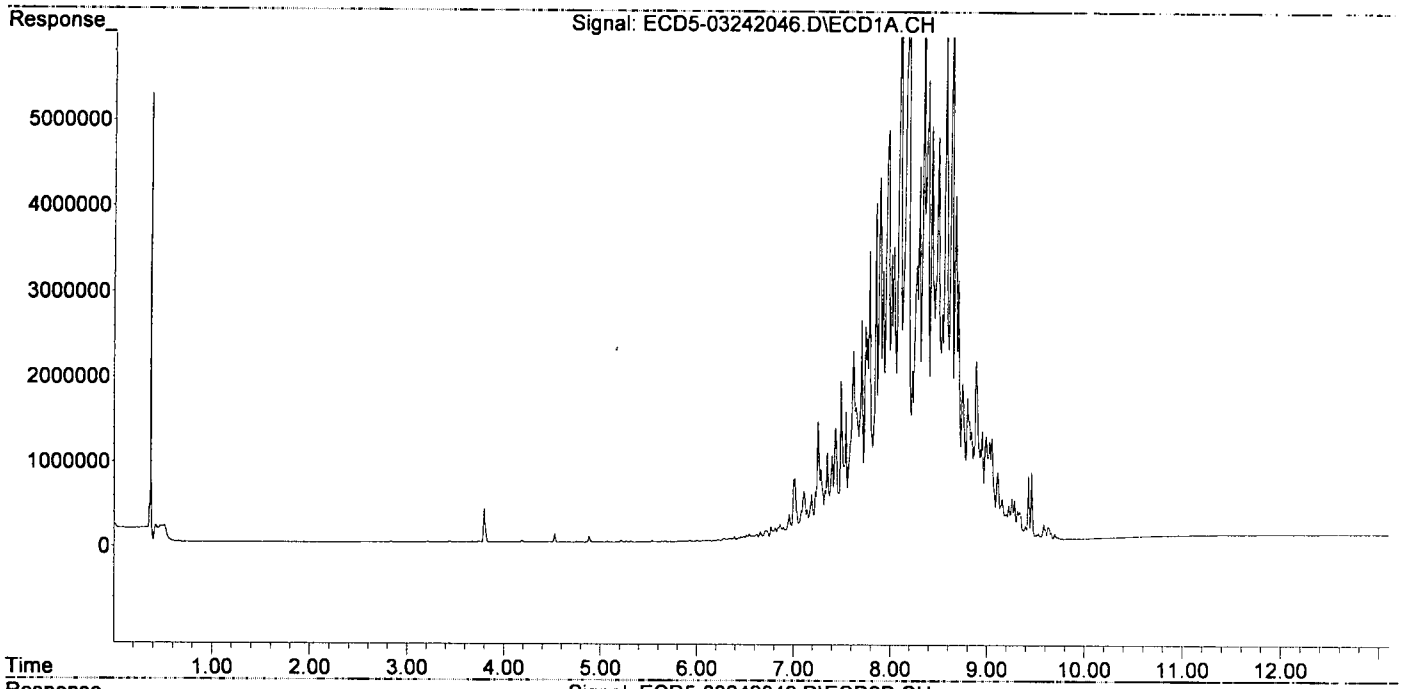
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.493	8.467	1881314	5232351	1774.120	1850.472
37)		Toxaphene...	7.787	8.815	3407462	6997810	1730.031	2017.135
38)		Toxaphene...	8.099	8.850	7722060	11042450	1921.371	1923.223
39)		Toxaphene...	8.339	8.917	7409380	18548434	1896.333	2005.697
40)		Toxaphene...	8.568	9.094	6159134	10220382	2041.652	2014.991
41)		Toxaphene...	8.634	9.475	7995315	11188892	2027.352	2094.741
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

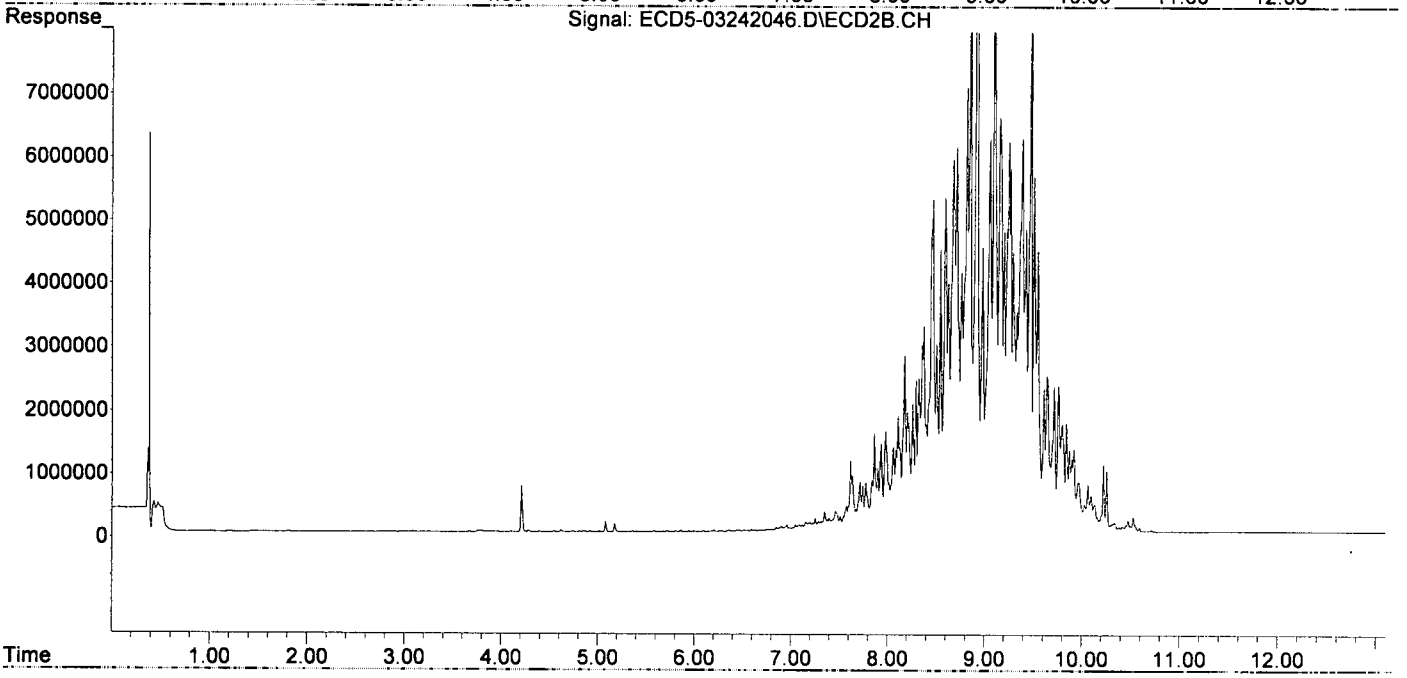
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C24036\
Data File : ECD5-03242046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 25 Mar 2020 1:22
Operator : MJB
Sample : 0C24036-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 25 12:44:11 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_200324.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Mar 25 12:40:35 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





APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

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

Batch 0040356
Sequence 0D10041 (A0D0205-01)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

APR 17 2020

BATCH #: 0040356 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	0040356-BLK1		QC	04/10/20 07:04	11	5				100					
	0040356-BS1		QC	04/10/20 07:04	10	5	A20B016		100	100					
	A0D0196-01	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.39	5				100	PDI-047SC-A-04-05-191001	MS/MSD/DUP			
	0040356-DUP1		QC	04/10/20 07:04	10.4	5		A0D0196-01		100					
	0040356-MS1		QC	04/10/20 07:04	10.35	5	A20B016	A0D0196-01	100	100					
	0040356-MSD1		QC	04/10/20 07:04	10.45	5	A20B016	A0D0196-01	100	100					
	A0D0196-02	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.75	5				100	PDI-047SC-A-05-06-191001				
	A0D0196-03	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.35	5				100	PDI-047SC-A-06-07-191001				
	A0D0196-04	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.05	5				100	PDI-047SC-A-07-08-191001				
	A0D0205-01	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.49	5				100	PDI-049SC-A-08-09-191015				
	A0D0205-02	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.29	5				100	PDI-049SC-A-09-10-191015				
	A0D0205-02RE1	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.29	5				100	PDI-049SC-A-09-10-191015	Added 4/13/2020 By ams			
	A0D0205-03	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.08	5				100	PDI-049SC-A-10-11-191015				
	A0D0205-04	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.26	5				100	PDI-049SC-A-11-12-191015				
	A0D0205-04RE1	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.26	5				100	PDI-049SC-A-11-12-191015	Added 4/13/2020 By ams			
	A0D0205-04RE2	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.26	5				100	PDI-049SC-A-11-12-191015	Added 4/14/2020 By ams			
	A0D0205-04RE3	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.26	5				100	PDI-049SC-A-11-12-191015	Added 4/14/2020 by ams			
	A0D0207-01	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.37	5				100	PDI-057SC-A-09-10-191023				
	A0D0207-02	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.34	5				100	PDI-057SC-A-10-11-191023				
	A0D0207-03	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.09	5				100	PDI-057SC-A-11-12-191023				

Prepared By: _____ Date _____

AMS 4/14/20

Reviewed By: Date

Printed: 4/14/2020 12:55:39PM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040356 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A0D0207-04	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.9	5				100	PDI-057SC-A-12 -13-191023				
	A0D0207-04RE1	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.9	5				100	PDI-057SC-A-12 -13-191023	Added 4/13/2020 By ams			
	A0D0207-05	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.49	5				100	PDI-062SC-A-11 -12-191023				
	A0D0207-06	A	8270D LL PAH Only (Scan)	04/10/20 07:04	10.07	5				100	PDI-062SC-A-12 -13-191023				
	A0D0210-01	A	8270D LL PAH Only (Scan)	04/10/20 07:18	10.64	5				100	PDI-076SC-A-06 -07-191013				
	A0D0210-02	A	8270D LL PAH Only (Scan)	04/10/20 07:18	10.3	5				100	PDI-076SC-A-07 -08-191013				
	A0D0212-02	A	8270D LL PAH Only (Scan)	04/10/20 07:18	10.01	5				100	PDI-077SC-A-04 -05-191014				
	A0D0212-02RE1	A	8270D LL PAH Only (Scan)	04/10/20 07:18	10.01	5				100	PDI-077SC-A-04 -05-191014	Added 4/14/2020 by ams			
	A0D0212-03	A	8270D LL PAH Only (Scan)	04/10/20 07:18	10.47	5				100	PDI-077SC-A-05 -06-191014				
	A0D0212-04	A	8270D LL PAH Only (Scan)	04/10/20 07:18	10.56	5				100	PDI-077SC-A-06 -07-191014				
	A0D0212-05	A	8270D LL PAH Only (Scan)	04/10/20 07:22	10.48	5				100	PDI-077SC-A-07 -08-191014				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A20A282	07/19/21	Sodium Sulfate Lot # 194865
A20D012	09/28/21	DCM CHEM PROD. DY141-US

Analyte Spike(s)

Std ID	Exp. Date	Description
A20B016	08/01/20	LVI PAH Spike @2000ng/ml

Surrogate(s)

Std ID	Exp. Date	Description
A20C034	08/22/20	8270D LL PAH Only Surr. (5ppm)

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040356 ~~(Soil)~~ Sediment

Prep Method: EPA 3546

4/10/20

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
1	0040356-BLK1		QC	04/10/20 07:04	~~10~~ 11	5 ✓				100					
2	0040356-BS1		QC	04/10/20 07:04	10	5 ✓	A20B016		100	100					
3	A0D0196-01	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.39	5 ✓				100	PDI-047SC-A-04 -05-191001	MS/MSD/DUP sand			
4	0040356-DUP1		QC	04/10/20 07:04	~~10~~ 10.40	5 ✓		A0D0196-01		100		Sand			
5	0040356-MS1		QC	04/10/20 07:04	~~10~~ 10.35	5 ✓	A20B016	A0D0196-01	100	100		sand			
6	0040356-MSD1		QC	04/10/20 07:04	~~10~~ 10.45	5 ✓	A20B016	A0D0196-01	100	100		Sand			
7	A0D0196-02	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.75	5 ✓				100	PDI-047SC-A-05 -06-191001	Sand			
8	A0D0196-03	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.35	5 ✓				100	PDI-047SC-A-06 -07-191001	sand			
9	A0D0196-04	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.05	5 ✓				100	PDI-047SC-A-07 -08-191001	sand			
10	A0D0205-01	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.49	5 ✓				100	PDI-049SC-A-08 -09-191015	mud, color			
11	A0D0205-02	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.29	5 ✓				100	PDI-049SC-A-09 -10-191015	soil			
12	A0D0205-03	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.08	5 ✓				100	PDI-049SC-A-10 -11-191015	sand			
13	A0D0205-04	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.26	5 ✓				100	PDI-049SC-A-11 -12-191015	mud			
14	A0D0207-01	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.37	5 ✓				100	PDI-057SC-A-09 -10-191023	soil			
15	A0D0207-02	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.34	5 ✓				100	PDI-057SC-A-10 -11-191023	mud			
16	A0D0207-03	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.04	5 ✓				100	PDI-057SC-A-11 -12-191023	soil			
17	A0D0207-04	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.90	5 ✓				100	PDI-057SC-A-12 -13-191023	sediment, mud			
18	A0D0207-05	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.49	5 ✓				100	PDI-062SC-A-11 -12-191023	soil			
19	A0D0207-06	A	8270D LL PAH Only (Scan)	04/10/20 07:04	~~10~~ 10.07	5 ✓				100	PDI-062SC-A-12 -13-191023	soil			
20	A0D0210-01	A	8270D LL PAH Only (Scan)	04/10/20 07:18	~~10~~ 10.64	5 ✓				100	PDI-076SC-A-06 -07-191013	mud H			

CAH — 4/10/20
Prepared By: — Date
ADD — 4-10-20

CGS — 04/10/20 20
Reviewed By: — Date

Printed: 4/10/2020 7:22:35AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0040356 (Soil)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
21	A0D0210-02	A	8270D LL PAH Only (Scan)	04/10/20 07:18	~~10~~ 10.30	5 ✓				100	PDI-076SC-A-07-08-191013	mud #			
22	A0D0212-02	A	8270D LL PAH Only (Scan)	04/10/20 07:18	~~10~~ 10.01	5 ✓				100	PDI-077SC-A-04-05-191014	mud #			
23	A0D0212-03	A	8270D LL PAH Only (Scan)	04/10/20 07:18	~~10~~ 10.47	5 ✓				100	PDI-077SC-A-05-06-191014	mud #			
24	A0D0212-04	A	8270D LL PAH Only (Scan)	04/10/20 07:18	~~10~~ 10.56	5 ✓				100	PDI-077SC-A-06-07-191014	mud #			
25	A0D0212-05	A	8270D LL PAH Only (Scan)	04/10/20 07:22	~~10~~ 10.48	5 ✓				100	PDI-077SC-A-07-08-191014	mud, org #			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A20A282	07/19/21	Sodium Sulfate Lot # 194865
A20D012	09/28/21	DCM CHEM PROD. DY141-US

Analyte Spike(s)

Std ID	Exp. Date	Description
A20B016	08/01/20	LVI PAH Spike @2000ng/ml

CAH

Surrogate(s)

Std ID	Exp. Date	Description
A20C034	08/22/20	8270D LL PAH Only Surr. (5ppm)

CAH

Method 3546 digestion time and temperture achieved.
Initial: JAG

Witness: JAG 4/10/2020

= staining on turbap.

Prepared By: Date

Reviewed By: Date

Printed: 4/10/2020 7:22:35AM

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D10041**

Date: **04/10/20 14:15**

Instrument: **SV-GCMS14**

Calibration: **A0D0804**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D10041-IBL1	Sediment	QC	QC			A20C067	
2	0D10041-TUN1	Sediment	QC	QC			A20C067	A20C407
3	0D10041-CCV1	Sediment	QC	QC			A20C067	A20C077
4	0D10041-CCB1	Sediment	QC	QC			A20C067	
5	0040356-BLK1	Sediment	QC	QC		0040356	A20C067	
6	0040356-BS1	Sediment	QC	QC		0040356	A20C067	
7	A0D0196-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
8	0040356-DUP1	Sediment	QC	QC		0040356	A20C067	
9	0040356-MS1	Sediment	QC	QC		0040356	A20C067	
10	0040356-MSD1	Sediment	QC	QC		0040356	A20C067	
11	0040357-BLK1	Sediment	QC	QC		0040357	A20C067	
12	0040357-BS1	Sediment	QC	QC		0040357	A20C067	
13	A0D0212-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040357	A20C067	
14	0040357-DUP1	Sediment	QC	QC		0040357	A20C067	
15	0040357-MS1	Sediment	QC	QC		0040357	A20C067	
16	0040357-MSD1	Sediment	QC	QC		0040357	A20C067	
17	A0D0205-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
18	A0D0205-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
19	A0D0205-04	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
20	A0D0207-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
21	A0D0207-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
22	A0D0207-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
23	A0D0207-04	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
24	A0D0210-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
25	A0D0210-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
26	0D10041-IBL2	Sediment	QC	QC			A20C067	

Data Entered By: AMS 4/13/20

Comments:

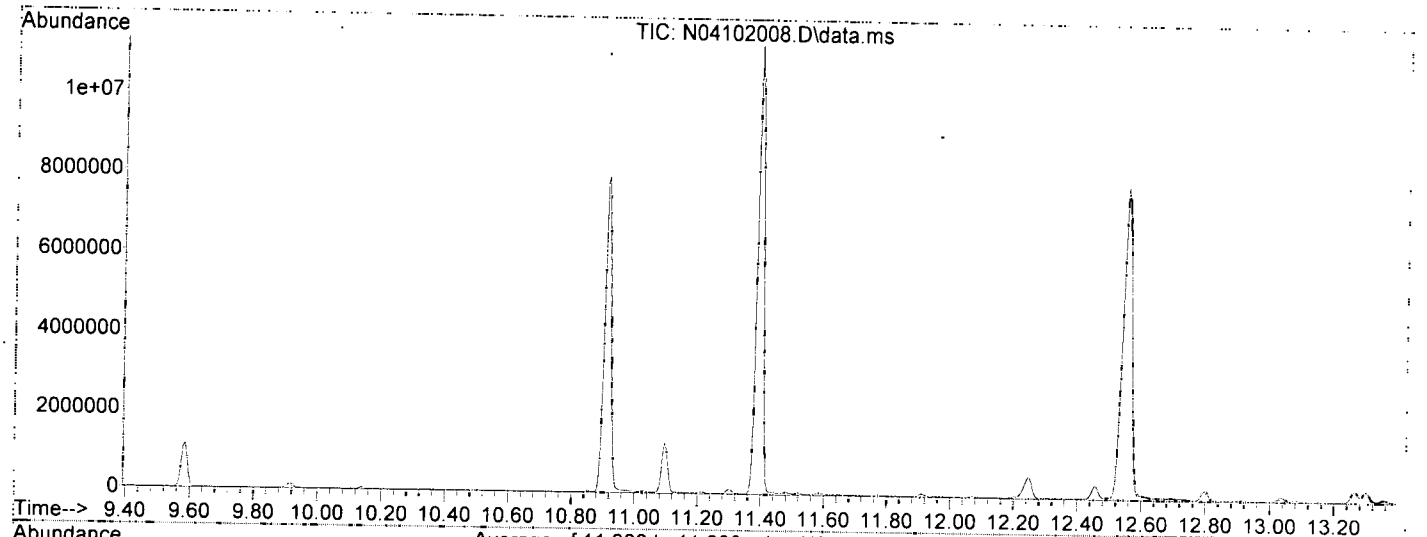
Data Reviewed By: [illegible] 4/13/20

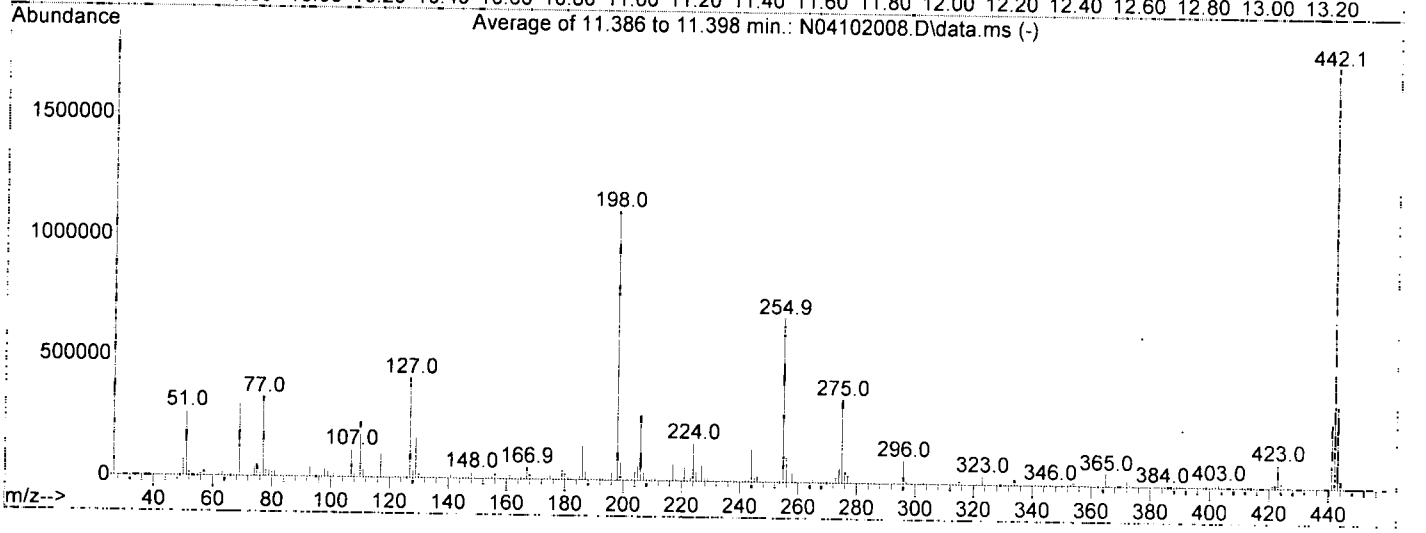
Data Path : U:\data\2020-04\0D10041\
Data File : N04102008.D
Acq On : 10 Apr 2020 02:53 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Mon Apr 13 09:22:09 2020

AMS 4/13/20





AutoFind: Scans 1217, 1218, 1219; Background Corrected with Scan 1211

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	5572	PASS
69	69	100	100	100.0	299105	PASS
70	69	0.00	2	0.5	1529	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1111903	PASS
199	198	5	9	6.8	75189	PASS
365	198	1	100	4.5	49939	PASS
441	443	0.01	150	78.0	265984	PASS
442	198	0.10	200	157.3	1749333	PASS
443	442	15	24	19.5	341205	PASS

✓

No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102008.D
Acq On : 10 Apr 2020 02:53 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 13 09:28:29 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration
InstName : SV-GCMS14

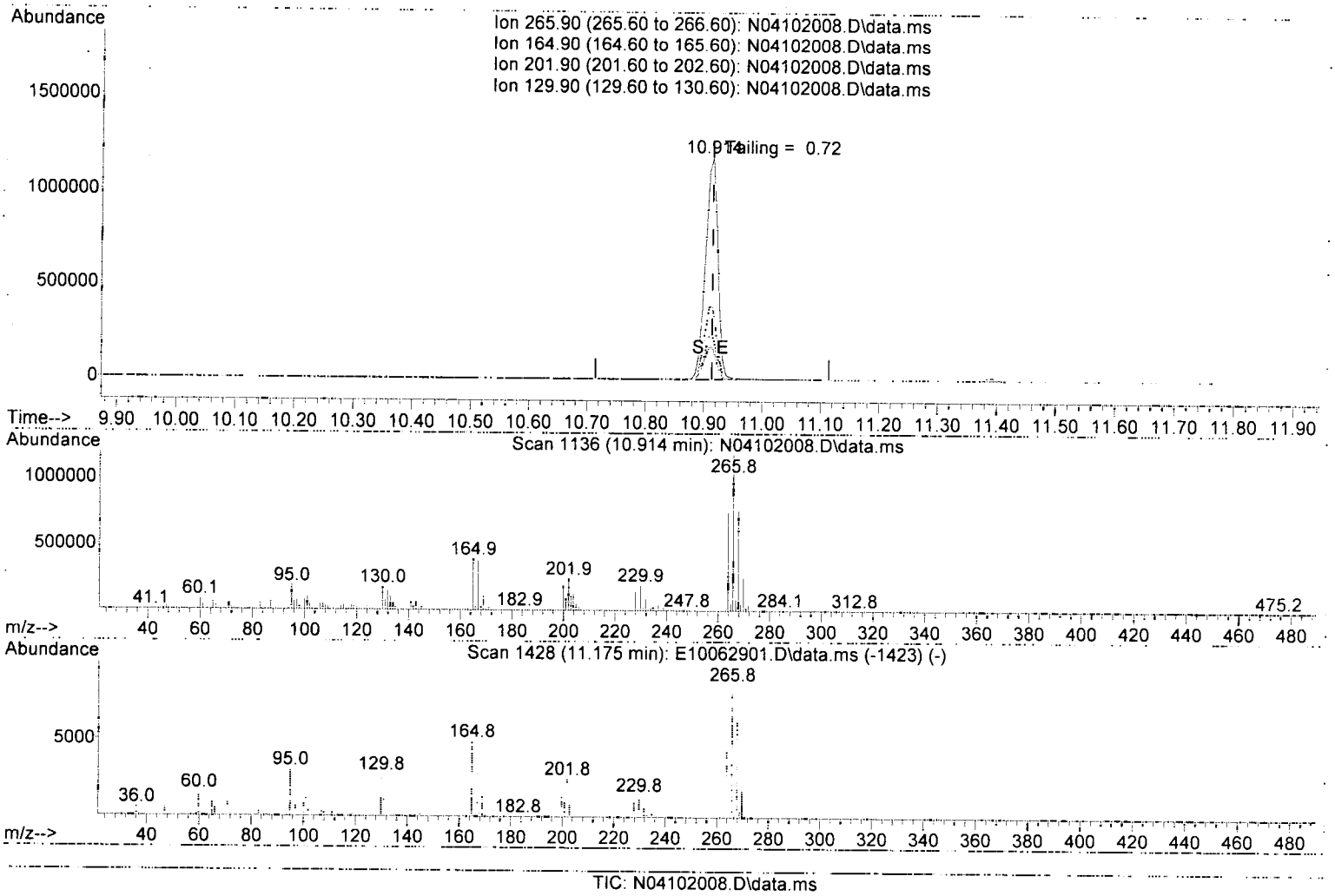
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.613	150	196892	2.00	ug/mL	0.00
2) Naphthalene-d8	7.819	136	592024	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.585	162	340825	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.095	188	668022	2.00	ug/mL	0.00
11) Chrysene-d12	14.767	240	632537	2.00	ug/mL	0.00
12) Perylene-d12	16.801	264	625507	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	18.019	292	538773	2.00	ug/mL	# 0.00
Target Compounds						Qvalue
4) Pentachlorophenol	10.914	266	1737920	54.00	ug/mL	78
6) DFTPP	11.398	442	2795726	51.84	ug/mL#	59
7) Benzidine	12.552	184	6672975	28.08	ug/mL	97
8) 4,4-DDE	12.797	TIC	346723	No Calib		
9) 4,4-DDD	13.298	TIC	374472	No Calib		
10) 4,4-DDT	13.858	TIC	20710321	30.23	ug/mL	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102008.D
Acq On : 10 Apr 2020 02:53 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 13 09:28:29 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration
InstName : SV-GCMS14



(4) Pentachlorophenol

10.914min (0.000) 54.00 ug/mL

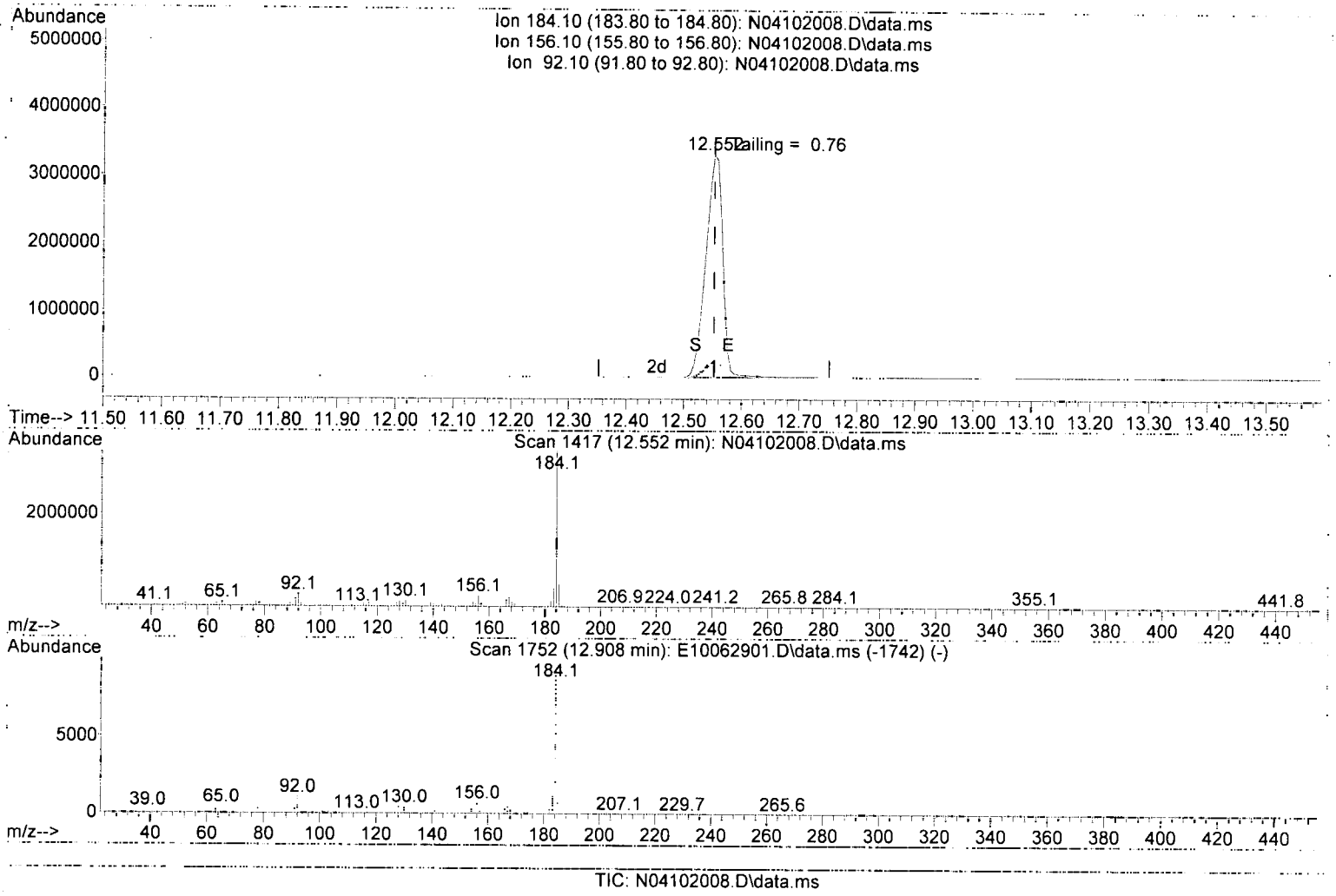
response 1737920

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	32.82
201.90	25.80	20.18
129.90	27.30	14.56

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102008.D
Acq On : 10 Apr 2020 02:53 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 13 09:28:29 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration
InstName : SV-GCMS14



(7) Benzidine

12.552min (0.000) 28.08 ug/mL

response 6672975

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.01
92.10	8.20	7.73
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

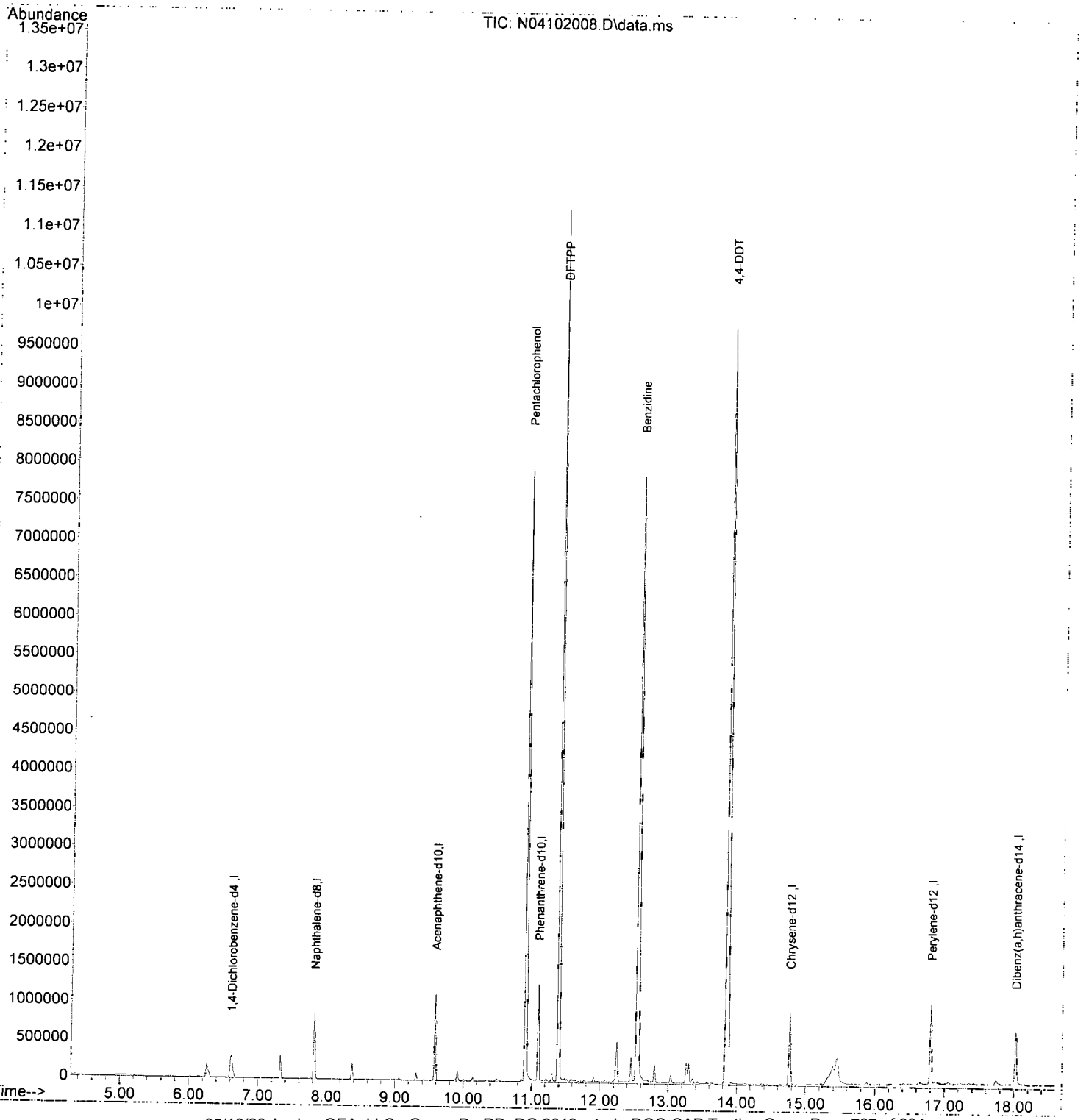
From:
0D10041-TUN1
SV-GCMS 14

First Column Area Counts		Percent Breakdown	
DDE	346723		
DDD	374472		
DDT	2071032	3.37	PASS

Breakdown must be less than 20% to accept sample data.

Data Path : U:\data\2020-04\0D10041\
Data File : N04102008.D
Acq On : 10 Apr 2020 02:53 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 13 09:28:29 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-04\0D10041\
Data File : N04102009.D
Acq On : 10 Apr 2020 03:20 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:33 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

AMS 4/13/20

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	85	0.00
2	S	Nitrobenzene-d5 (Surr)	50.000	47.618	4.8	84	0.00
3	T	Decalin	50.000	33.195	33.6#	60	0.00
4	T	Naphthalene	50.000	48.742	2.5	86	0.00
5	T	2-Methylnaphthalene	50.000	52.397	-4.8	89	0.00
6	T	1-Methylnaphthalene	50.000	51.333	-2.7	87	0.00
7	T	1,1'-Biphenyl	50.000	53.523	-7.0	92	0.00
8	T	2,6-Dimethylnaphthalene	50.000	56.487	-13.0	97	0.00
9	I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	94	0.00
10	S	2-Fluorobiphenyl (Surr)	50.000	49.680	0.6	94	0.00
11	T	Acenaphthylene	50.000	53.689	-7.4	98	0.00
12	T	Acenaphthene	50.000	51.167	-2.3	96	0.00
13	T	Dibenzofuran	50.000	53.841	-7.7	102	0.00
14	T	1,6,7-Trimethylnaphthalene	50.000	55.089	-10.2	105	0.00
15	T	Fluorene	50.000	54.943	-9.9	105	0.00
16	I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	110	0.00
17	T	Dibenzothiopene	50.000	50.284	-0.6	109	0.00
18	T	Phenanthrene	50.000	49.540	0.9	110	0.00
19	T	Anthracene	50.000	55.802	-11.6	121	0.00
20	T	Carbazole	50.000	53.333	-6.7	111	0.00
21	T	1-Methylphenanthrene	50.000	53.575	-7.2	115	0.00
22	T	Fluoranthene	50.000	54.481	-9.0	118	0.00
23	I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	106	0.00
24	T	Pyrene	50.000	51.735	-3.5	115	0.00
25	S	Terphenyl-d14 (Surr)	50.000	52.828	-5.7	112	0.00
26	T	Benz(a)anthracene	50.000	52.025	-4.0	116	0.00
27	T	Chrysene	50.000	49.432	1.1	106	0.00
28	I	Perylene-d12 (ISTD)	100.000	100.000	0.0	106	0.00
29	T	Benzo(b)fluoranthene	50.000	53.908	-7.8	118	0.00
30	T	Benzo(k)fluoranthene	50.000	52.776	-5.6	111	0.00
31	T	Benzo(b+k)fluoranthene	100.000	104.834	-4.8	112	0.00
32	T	Benzo(e)pyrene	50.000	50.881	-1.8	111	0.00
33	T	Benzo(a)pyrene	50.000	56.936	-13.9	114	0.00
34	T	Perylene	50.000	53.009	-6.0	104	0.00
35	I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	109	0.00
36	T	Indeno(1,2,3-cd)Pyrene	50.000	50.659	-1.3	112	0.00
37	T	Dibenz(a,h)anthracene	50.000	50.322	-0.6	110	0.00
38	T	Benzo(g,h,i)perylene	50.000	50.957	-1.9	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102009.D
Acq On : 10 Apr 2020 03:20 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:33 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

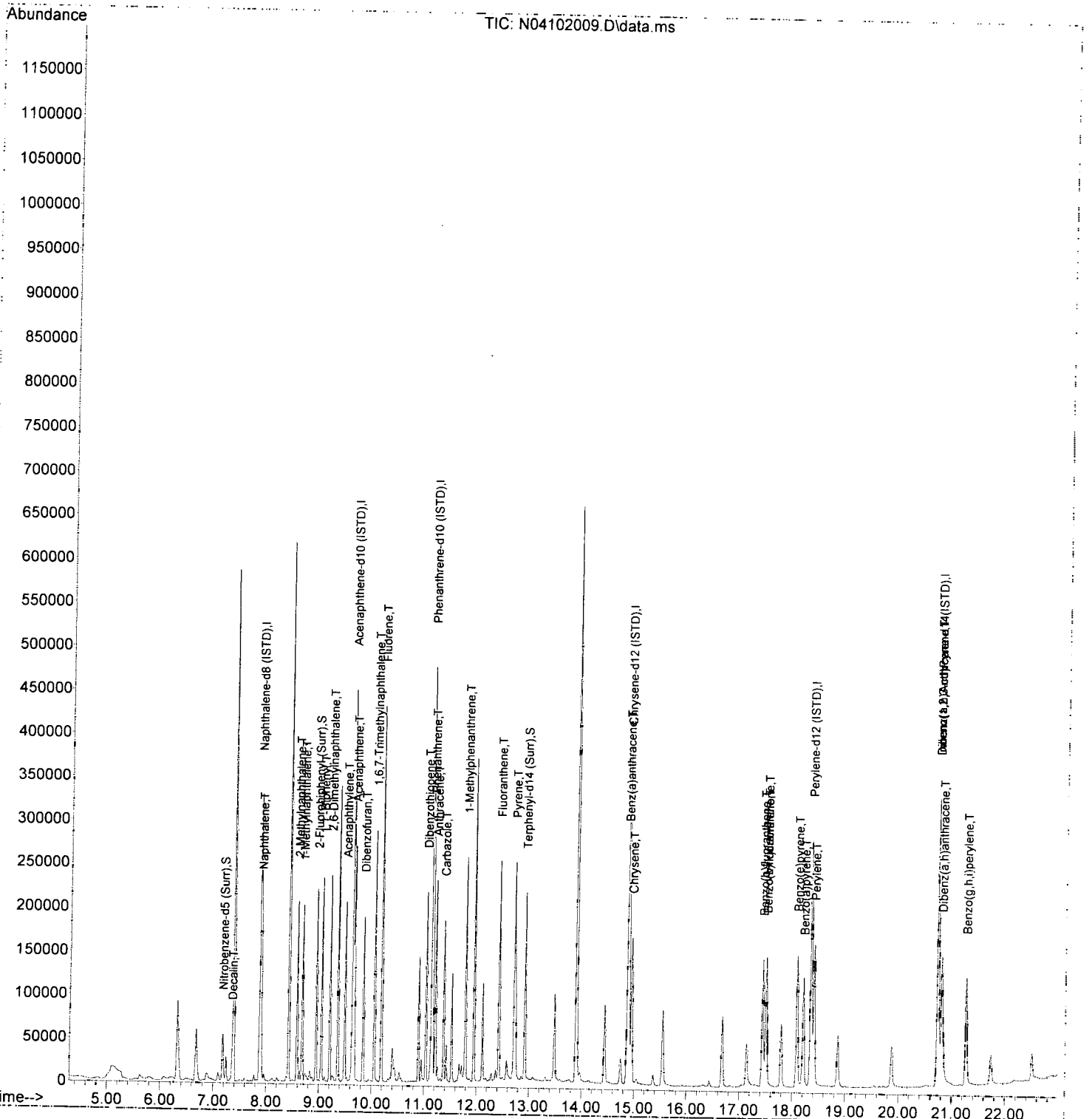
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.877	136	226507	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	137641	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.136	188	265671	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	253703	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	246508	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.729	292	207305	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.178	82	33694	47.62	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	105866	49.68	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	129500	52.83	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.359	138	6012	33.20	ng/ml	84
4) Naphthalene	7.901	128	120249	48.74	ng/ml	100
5) 2-Methylnaphthalene	8.583	142	86796	52.40	ng/ml	96
6) 1-Methylnaphthalene	8.682	142	84431	51.33	ng/ml	97
7) 1,1'-Biphenyl	9.049	154	111751	53.52	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.206	156	80908	56.49	ng/ml	97
11) Acenaphthylene	9.492	152	137796	53.69	ng/ml	99
12) Acenaphthene	9.667	153	96334	51.17	ng/ml	99
13) Dibenzofuran	9.842	168	122694	53.84	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	10.051	170	81274	55.09	ng/ml	98
15) Fluorene	10.185	166	99462	54.94	ng/ml	100
17) Dibenzothiopene	11.036	184	135002	50.28	ng/ml	94
18) Phenanthrene	11.159	178	151493	49.54	ng/ml	99
19) Anthracene	11.211	178	139751	55.80	ng/ml	99
20) Carbazole	11.369	167	115312	53.33	ng/ml	98
21) 1-Methylphenanthrene	11.788	192	110480	53.58	ng/ml	98
22) Fluoranthene	12.424	202	164198	54.48	ng/ml	96
24) Pyrene	12.715	202	170242	51.74	ng/ml	99
26) Benz(a)anthracene	14.872	228	136876	52.02	ng/ml	99
27) Chrysene	14.953	228	133758	49.43	ng/ml	100
29) Benzo(b)fluoranthene	17.442	252	137375	53.91	ng/ml	92
30) Benzo(k)fluoranthene	17.506	252	134075	52.78	ng/ml	92
31) Benzo(b+k)fluoranthene	17.506	252	280923	104.83	ng/ml	92
32) Benzo(e)pyrene	18.089	252	135578	50.88	ng/ml	97
33) Benzo(a)pyrene	18.211	252	116525	56.94	ng/ml	95
34) Perylene	18.410	252	145441	53.01	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.729	276	114079	50.66	ng/ml	77
37) Dibenz(a,h)anthracene	20.799	278	114268	50.32	ng/ml	81
38) Benzo(g,h,i)perylene	21.260	276	123093	50.96	ng/ml	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102009.D
Acq On : 10 Apr 2020 03:20 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:33 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102010.D
Acq On : 10 Apr 2020 03:52 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:56 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

AMS 4/13/20

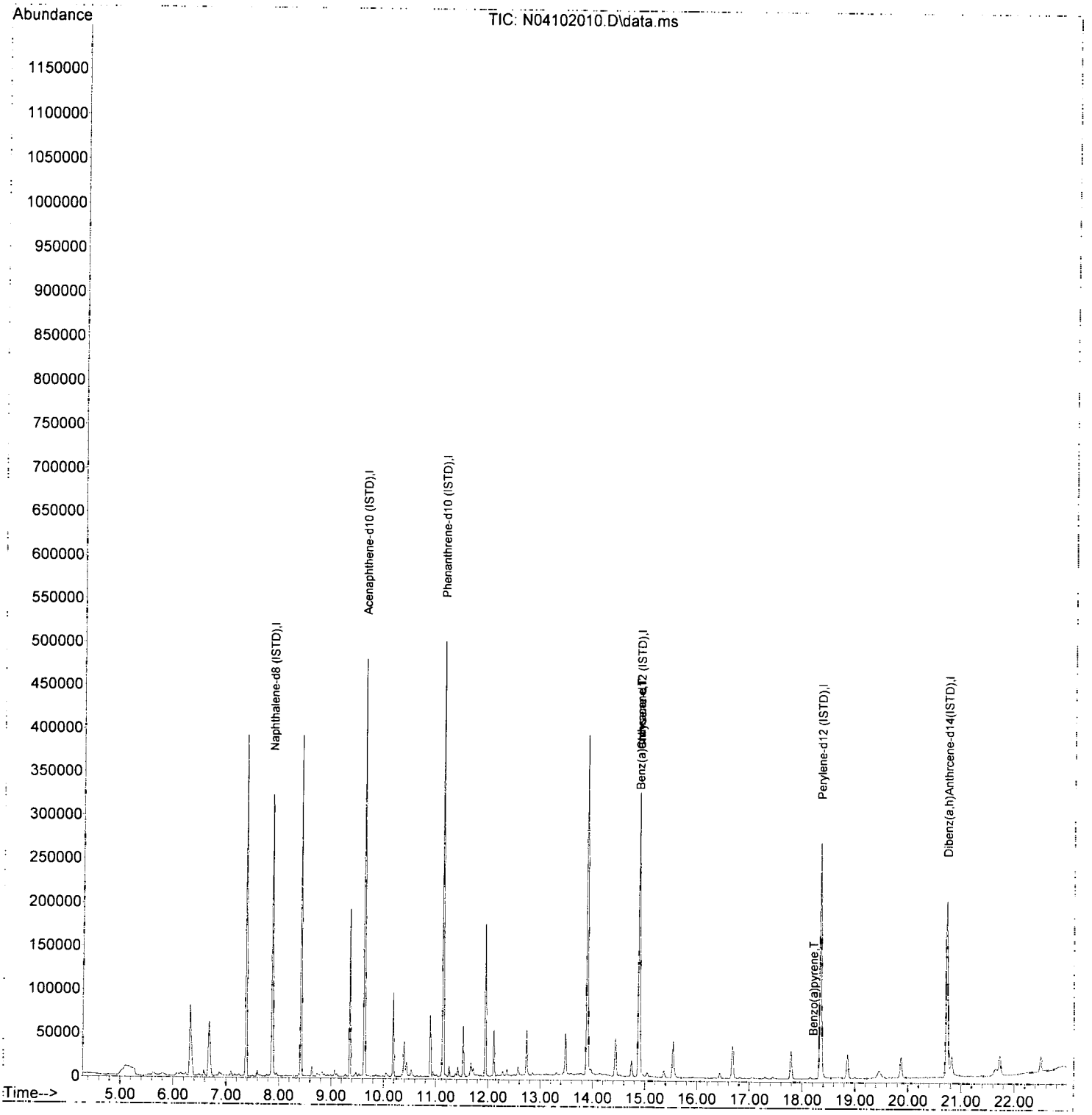
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Naphthalene-d8 (ISTD)	7.877	136	240662	100.00 ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	146760	100.00 ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.135	188	277357	100.00 ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.889	240	249653	100.00 ng/ml	0.00
28) Perylene-d12 (ISTD)	18.345	264	233892	100.00 ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.729	292	201826	100.00 ng/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5 (Surr)	7.178	82	191	0.25 ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.944	172	307	0.14 ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	550	0.23 ng/ml	0.00
Target Compounds					Qvalue
3) Decalin	0.000		0	N.D.	
4) Naphthalene	7.906	128	437	N.D.	
5) 2-Methylnaphthalene	8.582	142	84	N.D.	
6) 1-Methylnaphthalene	0.000		0	N.D.	
7) 1,1'-Biphenyl	9.049	154	249	N.D.	
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.	
11) Acenaphthylene	9.492	152	68	N.D.	
12) Acenaphthene	9.667	153	66	N.D.	
13) Dibenzofuran	9.841	168	75	N.D.	
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.	
15) Fluorene	10.185	166	53	N.D.	
17) Dibenzothiopene	11.036	184	130	N.D.	
18) Phenanthrene	11.159	178	336	N.D.	
19) Anthracene	11.211	178	64	N.D.	
20) Carbazole	11.369	167	216	N.D.	
21) 1-Methylphenanthrene	11.788	192	98	N.D.	
22) Fluoranthene	12.424	202	234	N.D.	
24) Pyrene	12.715	202	310	N.D.	
26) Benz(a)anthracene	14.883	228	1039	0.40 ng/ml	84
27) Chrysene	14.947	228	499	N.D.	
29) Benzo(b)fluoranthene	17.436	252	357	N.D.	
30) Benzo(k)fluoranthene	17.506	252	228	N.D.	
31) Benzo(b+k)fluoranthene	17.506	252	228	N.D.	
32) Benzo(e)pyrene	18.089	252	286	N.D.	
33) Benzo(a)pyrene	18.206	252	174	0.40 ng/ml	59
34) Perylene	18.404	252	221	N.D.	
36) Indeno(1,2,3-cd)Pyrene	20.724	276	192	N.D.	
37) Dibenz(a,h)anthracene	20.793	278	139	N.D.	
38) Benzo(g,h,i)perylene	21.260	276	93	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

J

Data Path : U:\data\2020-04\0D10041\
Data File : N04102010.D
Acq On : 10 Apr 2020 03:52 pm
Operator : JK/ AMS/ DTH
Sample : 0D10041-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:56 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102011.D
Acq On : 10 Apr 2020 04:25 pm
Operator : JK/ AMS/ DTH
Sample : 0040356-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

AMS 4/13/20

Quant Time: Apr 13 09:29:59 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Naphthalene-d8 (ISTD)	7.877	136	257039	100.00 ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	154026	100.00 ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.135	188	284354	100.00 ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.889	240	247765	100.00 ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	232214	100.00 ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.729	292	192845	100.00 ng/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5 (Surr)	7.184	82	55940	69.67 ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	179265	75.18 ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	213936	89.36 ng/ml	0.00
Target Compounds					Qvalue
3) Decalin	0.000		0	N.D.	
4) Naphthalene	7.901	128	1721	0.61 ng/ml	90
5) 2-Methylnaphthalene	8.582	142	545	N.D.	
6) 1-Methylnaphthalene	8.682	142	284	N.D.	
7) 1,1'-Biphenyl	9.049	154	883	N.D.	
8) 2,6-Dimethylnaphthalene	9.212	156	166	N.D.	
11) Acenaphthylene	9.486	152	98	N.D.	
12) Acenaphthene	9.667	153	320	N.D.	
13) Dibenzofuran	9.841	168	183	N.D.	
14) 1,6,7-Trimethylnaphtha...	10.051	170	52	N.D.	
15) Fluorene	10.185	166	231	N.D.	
17) Dibenzothiopene	11.031	184	208	N.D.	
18) Phenanthrene	11.165	178	1425	0.44 ng/ml	93
19) Anthracene	11.211	178	88	N.D.	
20) Carbazole	11.369	167	175	N.D.	
21) 1-Methylphenanthrene	11.788	192	137	N.D.	
22) Fluoranthene	12.424	202	683	N.D.	
24) Pyrene	12.715	202	886	N.D.	
26) Benz(a)anthracene	14.889	228	752	N.D.	
27) Chrysene	14.947	228	298	N.D.	
29) Benzo(b)fluoranthene	17.442	252	213	N.D.	
30) Benzo(k)fluoranthene	17.506	252	151	N.D.	
31) Benzo(b+k)fluoranthene	17.506	252	151	N.D.	
32) Benzo(e)pyrene	18.077	252	155	N.D.	
33) Benzo(a)pyrene	0.000		0	N.D.	
34) Perylene	18.404	252	86	N.D.	
36) Indeno(1,2,3-cd)Pyrene	20.729	276	185	N.D.	
37) Dibenz(a,h)anthracene	0.000		0	N.D.	
38) Benzo(g,h,i)perylene	21.260	276	177	N.D.	

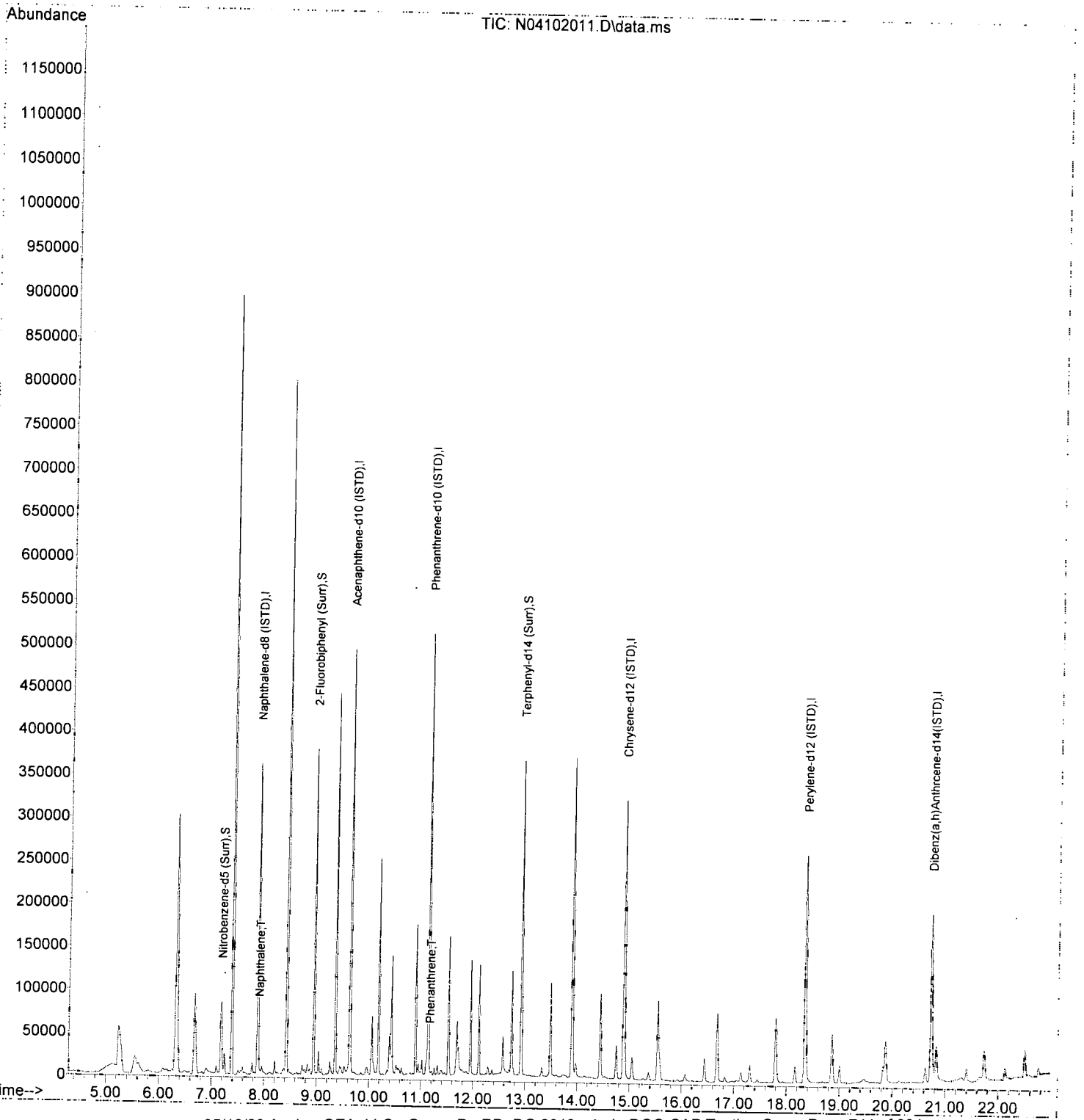
J

(#) = qualifier out of range (m) = manual integration (+) = signals summed

No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102011.D
Acq On : 10 Apr 2020 04:25 pm
Operator : JK/ AMS/ DTH
Sample : 0040356-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:29:59 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102012.D
Acq On : 10 Apr 2020 04:57 pm
Operator : JK/ AMS/ DTH
Sample : 0040356-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

AMS 4/13/20

Quant Time: Apr 13 09:30:02 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

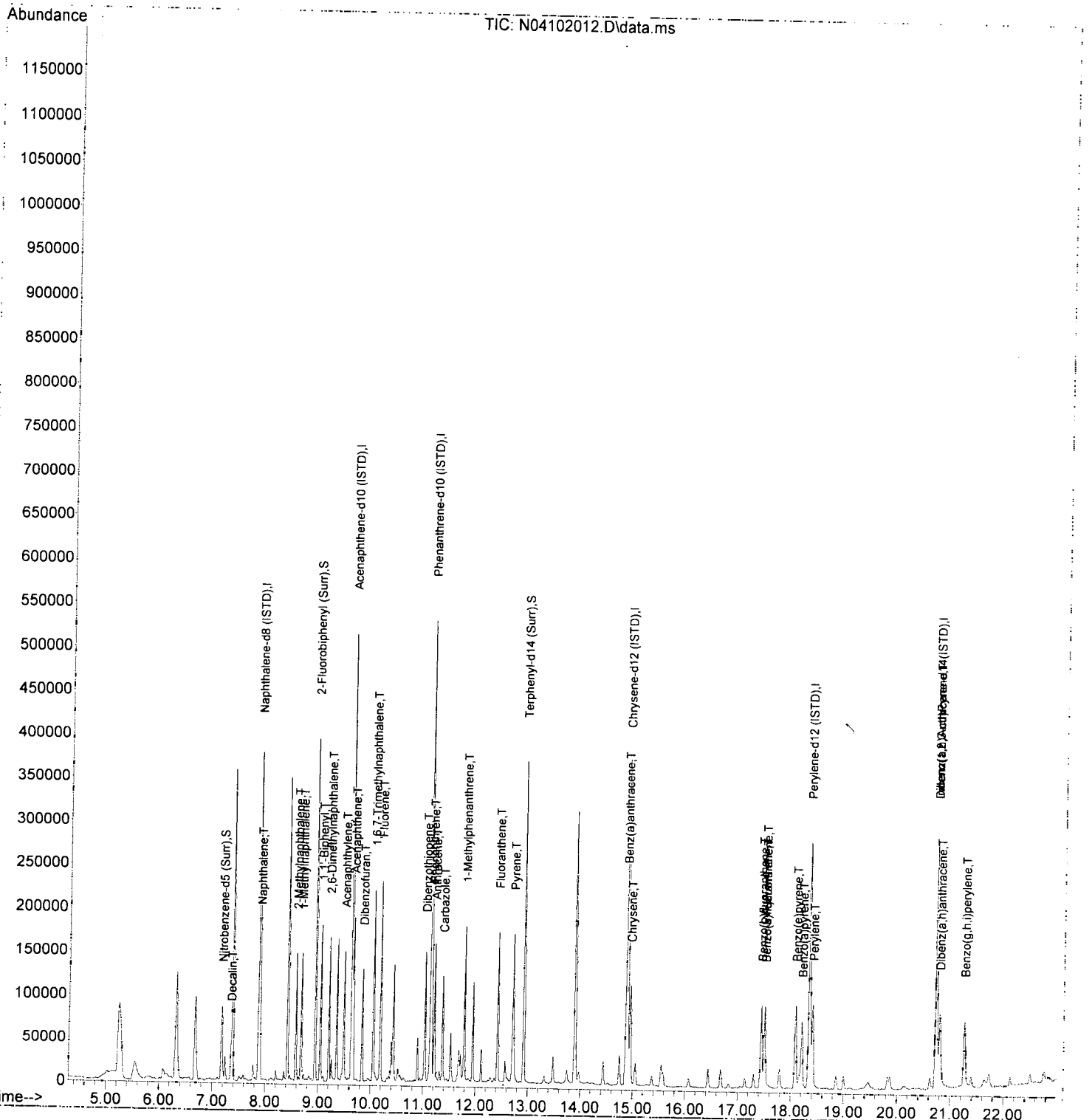
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.877	136	262147	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	158610	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.136	188	295877	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	264468	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.346	264	254901	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.730	292	204978	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.184	82	57718	70.48	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	188264	76.67	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	219720	85.98	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.359	138	6438	30.71	ng/ml	80
4) Naphthalene	7.901	128	85243	29.85	ng/ml	99
5) 2-Methylnaphthalene	8.583	142	62093	32.39	ng/ml	97
6) 1-Methylnaphthalene	8.682	142	61342	32.22	ng/ml	96
7) 1,1'-Biphenyl	9.049	154	78998	32.69	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.206	156	56577	34.13	ng/ml	98
11) Acenaphthylene	9.492	152	97906	33.10	ng/ml	99
12) Acenaphthene	9.667	153	67399	31.07	ng/ml	100
13) Dibenzofuran	9.842	168	84191	32.06	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	10.052	170	57044	33.55	ng/ml	98
15) Fluorene	10.186	166	67608	32.41	ng/ml	97
17) Dibenzothiopene	11.037	184	90547	30.28	ng/ml	94
18) Phenanthrene	11.165	178	103255	30.32	ng/ml	99
19) Anthracene	11.211	178	94064	33.72	ng/ml	99
20) Carbazole	11.369	167	73279	30.43	ng/ml	98
21) 1-Methylphenanthrene	11.788	192	75702	32.96	ng/ml	97
22) Fluoranthene	12.424	202	112735	33.59	ng/ml	96
24) Pyrene	12.715	202	115745	33.74	ng/ml	99
26) Benz(a)anthracene	14.872	228	88359	32.22	ng/ml	99
27) Chrysene	14.953	228	89368	31.68	ng/ml	99
29) Benzo(b)fluoranthene	17.442	252	84659	32.13	ng/ml	92
30) Benzo(k)fluoranthene	17.506	252	83923	31.95	ng/ml	92
31) Benzo(b+k)fluoranthene	17.506	252	176632	63.74	ng/ml	92
32) Benzo(e)pyrene	18.089	252	86494	31.39	ng/ml	97
33) Benzo(a)pyrene	18.206	252	70565	33.82	ng/ml	96
34) Perylene	18.410	252	89550	31.56	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.730	276	70908	31.85	ng/ml	76
37) Dibenz(a,h)anthracene	20.794	278	67354	30.00	ng/ml	82
38) Benzo(g,h,i)perylene	21.260	276	74765	31.30	ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102012.D
Acq On : 10 Apr 2020 04:57 pm
Operator : JK/ AMS/ DTH
Sample : 0040356-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:02 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102016.D
Acq On : 10 Apr 2020 07:04 pm
Operator : JK/ AMS/ DTH
Sample : 0040356-MSD1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:14 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

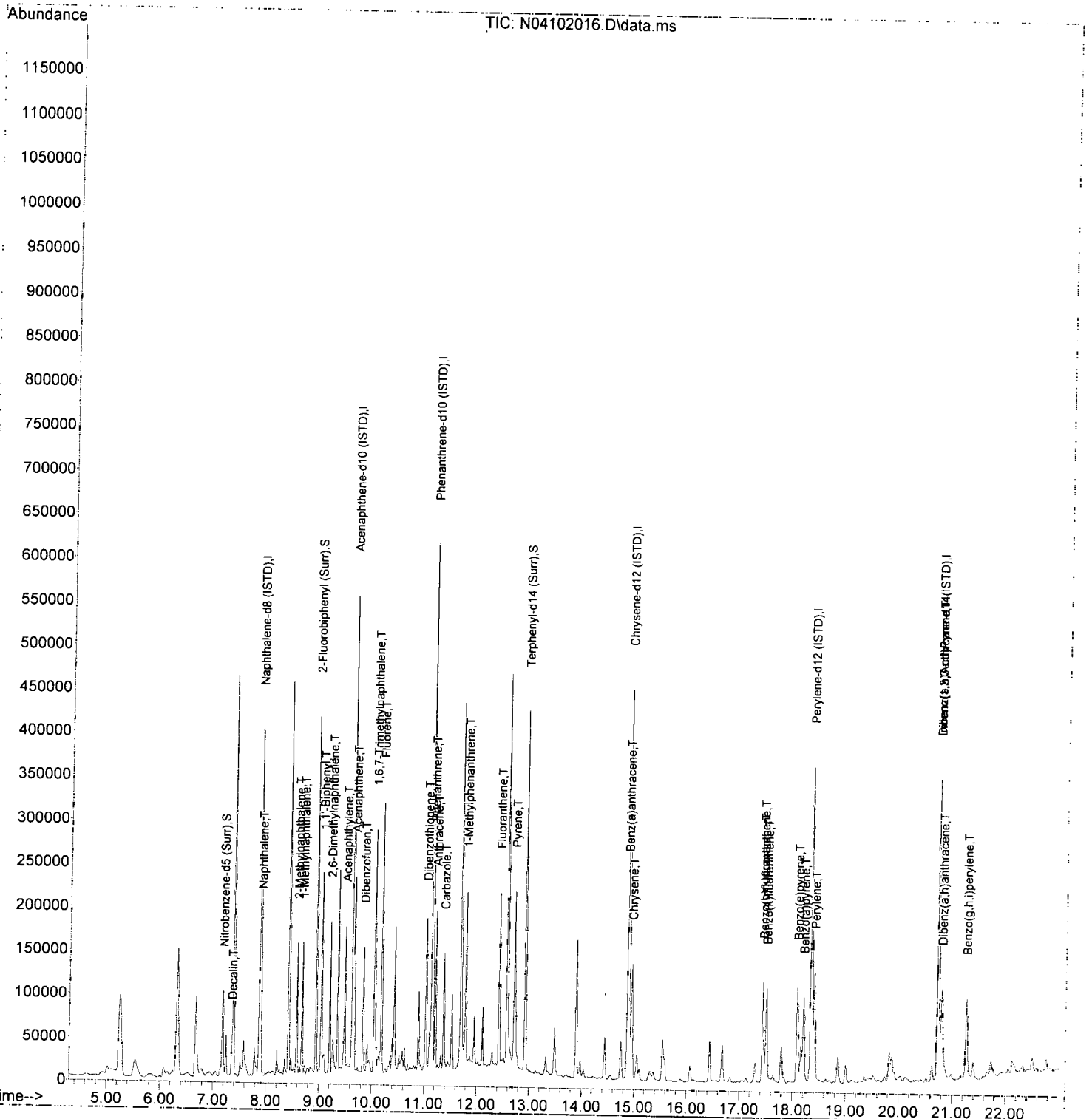
AMS 4/13/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.877	136	275177	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	171062	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	331948	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	314220	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.352	264	311603	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.730	292	252516	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.184	82	60552	70.44	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	193346	73.01	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	244495	80.53	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.359	138	5274	23.97	ng/ml	83
4) Naphthalene	7.901	128	88959	29.68	ng/ml	99
5) 2-Methylnaphthalene	8.583	142	63805	31.71	ng/ml	97
6) 1-Methylnaphthalene	8.682	142	62386	31.22	ng/ml	97
7) 1,1'-Biphenyl	9.049	154	82815	32.65	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.206	156	60103	34.54	ng/ml	97
11) Acenaphthylene	9.492	152	103691	32.51	ng/ml	99
12) Acenaphthene	9.667	153	82253	35.15	ng/ml	98
13) Dibenzofuran	9.842	168	89724	31.68	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	10.052	170	61174	33.36	ng/ml	99
15) Fluorene	10.186	166	78396	34.84	ng/ml	100
17) Dibenzothiopene	11.037	184	101489	30.25	ng/ml	94
18) Phenanthrene	11.165	178	136205	35.65	ng/ml	100
19) Anthracene	11.211	178	106051	33.89	ng/ml	99
20) Carbazole	11.369	167	81923	30.32	ng/ml	99
21) 1-Methylphenanthrene	11.788	192	83629	32.46	ng/ml	98
22) Fluoranthene	12.424	202	130413	34.63	ng/ml	96
24) Pyrene	12.715	202	134039	32.89	ng/ml	99
26) Benz(a)anthracene	14.872	228	103150	31.65	ng/ml	100
27) Chrysene	14.953	228	102664	30.63	ng/ml	99
29) Benzo(b)fluoranthene	17.442	252	103043	31.99	ng/ml	92
30) Benzo(k)fluoranthene	17.506	252	98248	30.59	ng/ml	92
31) Benzo(b+k)fluoranthene	17.442	252	208699	61.61	ng/ml	90
32) Benzo(e)pyrene	18.089	252	102504	30.43	ng/ml	97
33) Benzo(a)pyrene	18.206	252	86689	33.99	ng/ml	96
34) Perylene	18.410	252	115023	33.16	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.730	276	84652	30.86	ng/ml	78
37) Dibenz(a,h)anthracene	20.800	278	79419	28.71	ng/ml	81
38) Benzo(g,h,i)perylene	21.260	276	90800	30.86	ng/ml	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
Data File : N04102016.D
Acq On : 10 Apr 2020 07:04 pm
Operator : JK/ AMS/ DTH
Sample : 0040356-MSD1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:14 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102017.D
Acq On : 10 Apr 2020 07:36 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

AMS 4/13/20

Quant Time: Apr 13 09:30:17 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

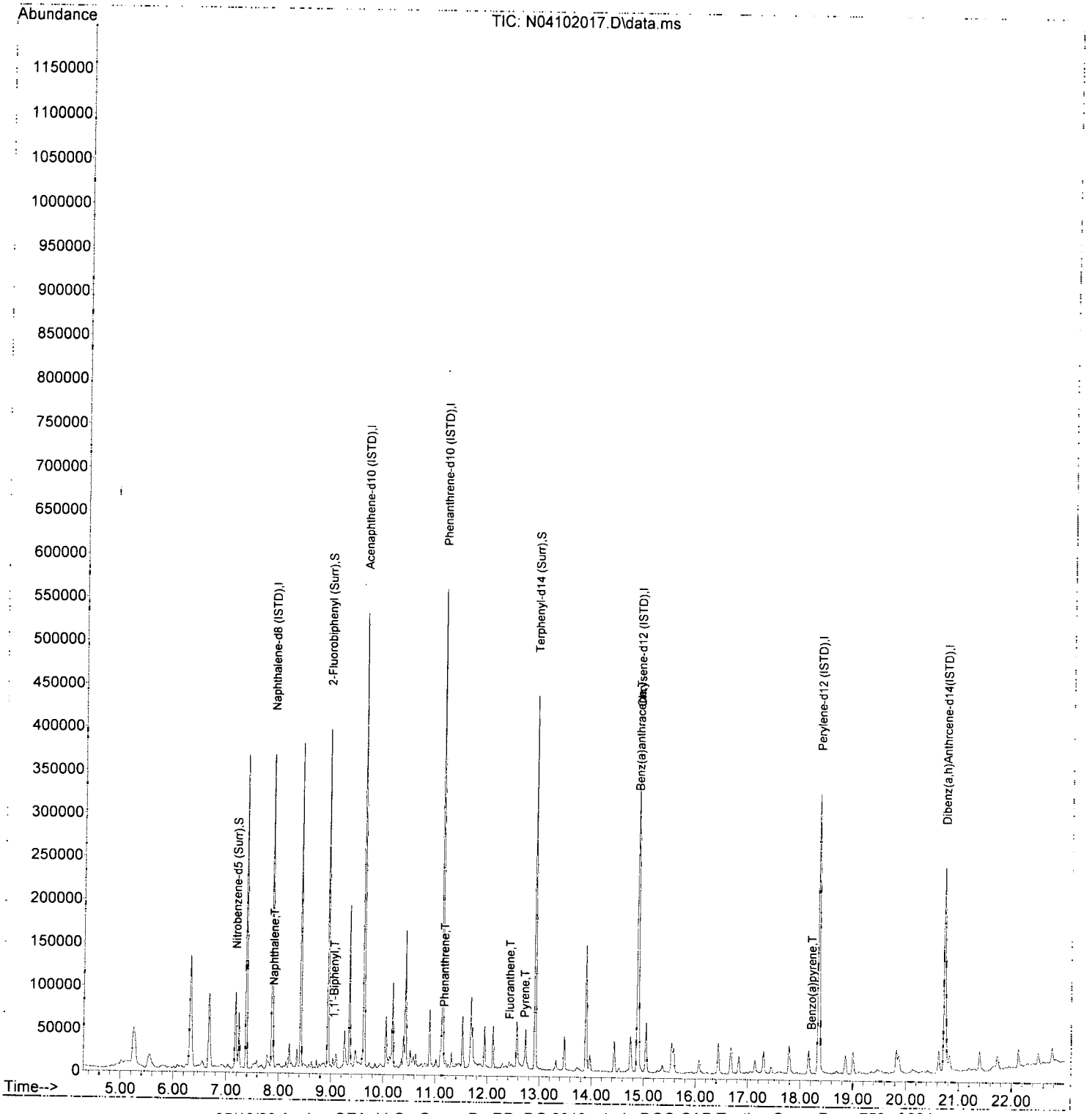
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Naphthalene-d8 (ISTD)	7.883	136	265116	100.00 ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	162267	100.00 ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	312859	100.00 ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	288178	100.00 ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	280277	100.00 ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.729	292	232224	100.00 ng/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5 (Surr)	7.184	82	56167	67.82 ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	185975	74.03 ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	260897	93.70 ng/ml	0.00
Target Compounds					Qvalue
3) Decalin	0.000		0	N.D.	
4) Naphthalene	7.901	128	2038	0.71 ng/ml	97
5) 2-Methylnaphthalene	8.583	142	665	N.D.	
6) 1-Methylnaphthalene	8.682	142	465	N.D.	
7) 1,1'-Biphenyl	9.049	154	1013	0.41 ng/ml	99
8) 2,6-Dimethylnaphthalene	9.212	156	371	N.D.	
11) Acenaphthylene	9.492	152	283	N.D.	
12) Acenaphthene	9.667	153	817	N.D.	
13) Dibenzofuran	9.842	168	311	N.D.	
14) 1,6,7-Trimethylnaphtha...	10.046	170	160	N.D.	
15) Fluorene	10.185	166	754	N.D.	
17) Dibenzothiopene	11.036	184	935	N.D.	
18) Phenanthrene	11.165	178	7183	1.99 ng/ml	98
19) Anthracene	11.211	178	961	N.D.	
20) Carbazole	11.369	167	361	N.D.	
21) 1-Methylphenanthrene	11.788	192	568	N.D.	
22) Fluoranthene	12.424	202	4003	1.13 ng/ml	97
24) Pyrene	12.715	202	5030	1.35 ng/ml	98
26) Benz(a)anthracene	14.883	228	1402	0.47 ng/ml	91
27) Chrysene	14.953	228	893	N.D.	
29) Benzo(b)fluoranthene	17.442	252	628	N.D.	
30) Benzo(k)fluoranthene	17.506	252	323	N.D.	
31) Benzo(b+k)fluoranthene	17.442	252	951	N.D.	
32) Benzo(e)pyrene	18.089	252	481	N.D.	
33) Benzo(a)pyrene	18.206	252	386	0.48 ng/ml	41
34) Perylene	18.404	252	211	N.D.	
36) Indeno(1,2,3-cd)Pyrene	20.729	276	459	N.D.	
37) Dibenz(a,h)anthracene	20.794	278	170	N.D.	
38) Benzo(g,h,i)perylene	21.266	276	466	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102017.D
Acq On : 10 Apr 2020 07:36 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:17 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102018.D
Acq On : 10 Apr 2020 08:07 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:20 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

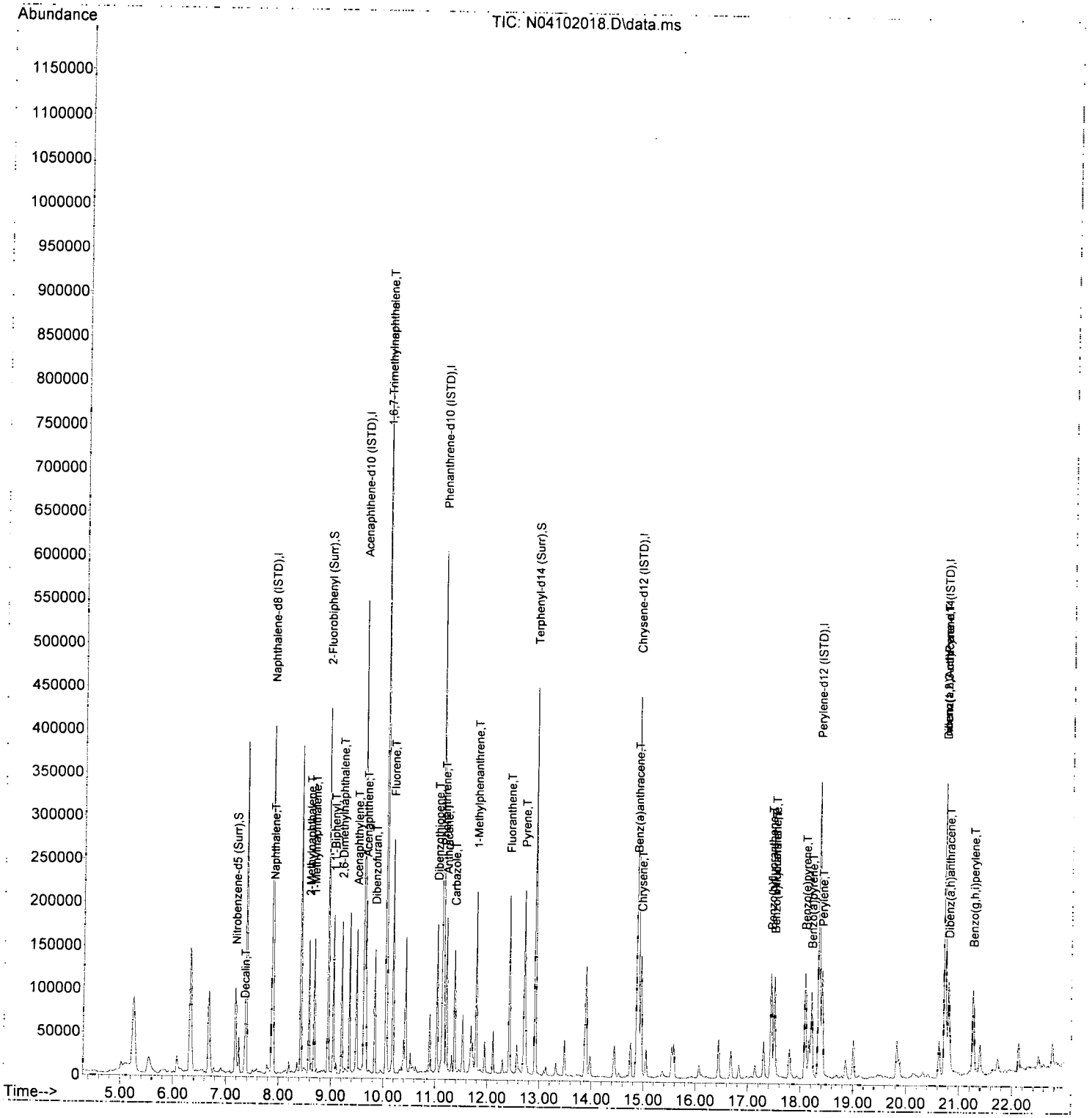
AMS 4/13/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.883	136	277328	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	169852	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	328714	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	309215	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	300825	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.730	292	241477	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.184	82	61280	70.73	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	199553	75.89	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	266575	89.22	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.359	138	5377	24.25	ng/ml	88
4) Naphthalene	7.901	128	90485	29.96	ng/ml	99
5) 2-Methylnaphthalene	8.583	142	65310	32.20	ng/ml	97
6) 1-Methylnaphthalene	8.682	142	64191	31.88	ng/ml	97
7) 1,1'-Biphenyl	9.049	154	83934	32.83	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.206	156	59822	34.11	ng/ml	97
11) Acenaphthylene	9.492	152	106607	33.66	ng/ml	99
12) Acenaphthene	9.667	153	71490	30.77	ng/ml	99
13) Dibenzofuran	9.842	168	91476	32.53	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	10.051	170	62381	34.26	ng/ml	99
15) Fluorene	10.186	166	74797	33.48	ng/ml	100
17) Dibenzothiopene	11.037	184	104824	31.56	ng/ml	94
18) Phenanthrene	11.165	178	120805	31.93	ng/ml	100
19) Anthracene	11.211	178	108511	35.02	ng/ml	99
20) Carbazole	11.369	167	88282	33.00	ng/ml	99
21) 1-Methylphenanthrene	11.788	192	87672	34.36	ng/ml	98
22) Fluoranthene	12.424	202	135117	36.23	ng/ml	96
24) Pyrene	12.715	202	138192	34.46	ng/ml	99
26) Benz(a)anthracene	14.872	228	108115	33.72	ng/ml	99
27) Chrysene	14.953	228	109274	33.13	ng/ml	99
29) Benzo(b)fluoranthene	17.442	252	109910	35.34	ng/ml	91
30) Benzo(k)fluoranthene	17.506	252	104364	33.66	ng/ml	91
31) Benzo(b+k)fluoranthene	17.506	252	222459	68.03	ng/ml	91
32) Benzo(e)pyrene	18.089	252	109771	33.76	ng/ml	97
33) Benzo(a)pyrene	18.212	252	90634	36.74	ng/ml	95
34) Perylene	18.410	252	111601	33.33	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.730	276	88552	33.76	ng/ml	79
37) Dibenz(a,h)anthracene	20.799	278	83039	31.39	ng/ml	80
38) Benzo(g,h,i)perylene	21.266	276	96595	34.33	ng/ml	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
Data File : N04102018.D
Acq On : 10 Apr 2020 08:07 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:20 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102022.D
Acq On : 10 Apr 2020 10:13 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-MSD1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

AMS
4/13/20

Quant Time: Apr 13 09:30:32 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

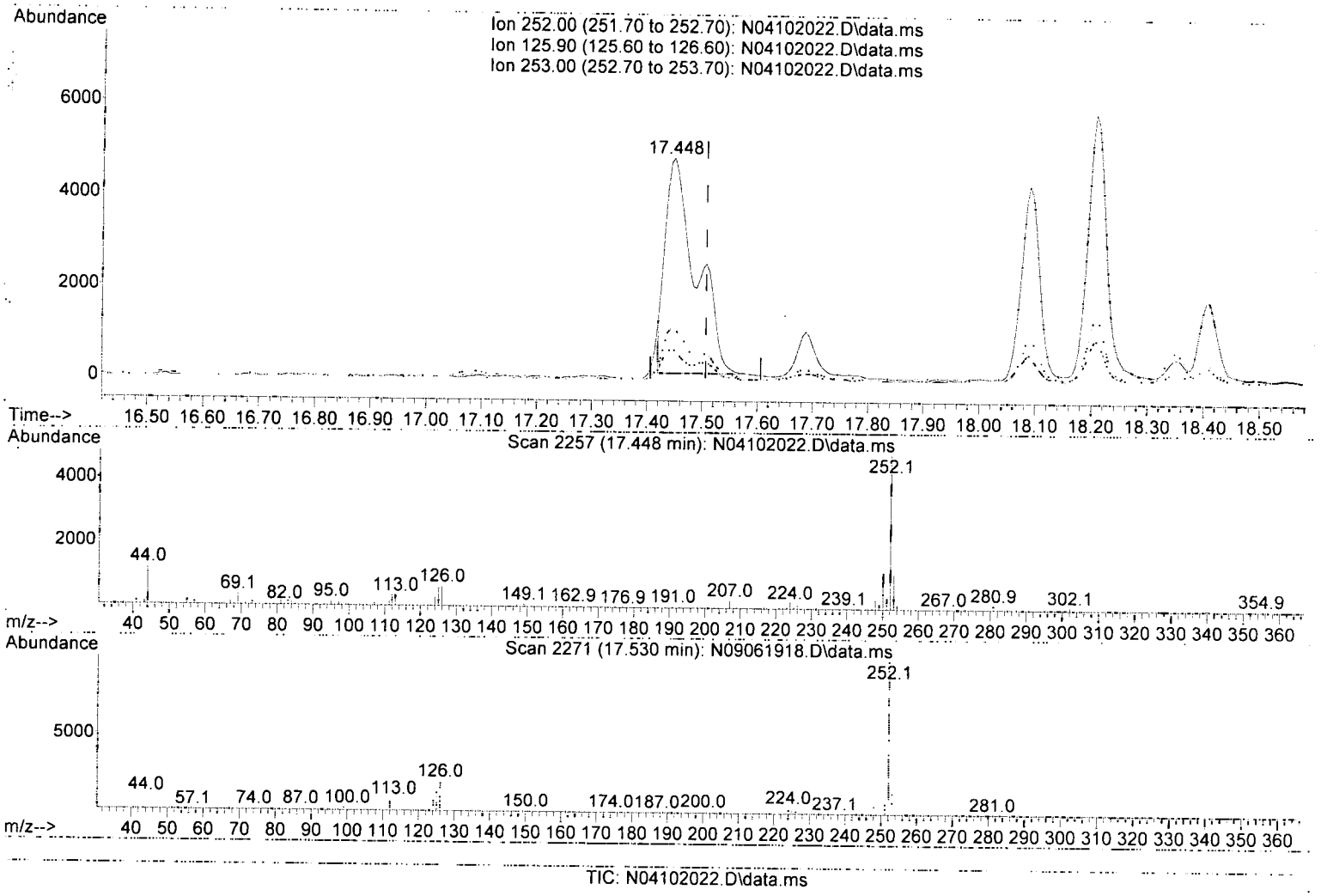
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Naphthalene-d8 (ISTD)	7.883	136	266890	100.00 ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	160664	100.00 ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	303056	100.00 ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	282196	100.00 ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	282023	100.00 ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.729	292	228545	100.00 ng/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5 (Surr)	7.178	82	238	0.29 ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	427	0.17 ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	991	0.36 ng/ml	0.00
Target Compounds					Qvalue
3) Decalin	0.000		0	N.D.	
4) Naphthalene	7.901	128	6407	2.20 ng/ml	99
5) 2-Methylnaphthalene	8.583	142	2310	1.18 ng/ml	96
6) 1-Methylnaphthalene	8.682	142	1211	0.62 ng/ml	94
7) 1,1'-Biphenyl	9.049	154	838	N.D.	
8) 2,6-Dimethylnaphthalene	9.212	156	3999	2.37 ng/ml	98
11) Acenaphthylene	9.492	152	5421	1.81 ng/ml	94
12) Acenaphthene	9.667	153	26756	12.17 ng/ml	99
13) Dibenzofuran	9.842	168	12257	4.61 ng/ml	97
14) 1,6,7-Trimethylnaphtha...	10.051	170	2812	1.63 ng/ml	95
15) Fluorene	10.185	166	19792	9.37 ng/ml	99
17) Dibenzothiopene	11.036	184	12643	4.13 ng/ml	95
18) Phenanthrene	11.165	178	141653	40.61 ng/ml	99
19) Anthracene	11.211	178	24729	8.66 ng/ml	98
20) Carbazole	11.369	167	958	N.D.	
21) 1-Methylphenanthrene	11.783	192	8590	3.65 ng/ml	95
22) Fluoranthene	12.424	202	79995	23.27 ng/ml	96
24) Pyrene	12.715	202	87231	23.83 ng/ml	99
26) Benz(a)anthracene	14.872	228	18021	6.16 ng/ml	82
27) Chrysene	14.953	228	21207	7.05 ng/ml	97
29) Benzo(b)fluoranthene	17.448	252	14997	5.14 ng/ml	91
30) Benzo(k)fluoranthene	~~17.448~~	~~252~~	~~18410~~	~~6.33 ng/ml~~	~~89~~ MI-ND
31) Benzo(b+k)fluoranthene	17.448	252	21439	6.99 ng/ml	89
32) Benzo(e)pyrene	18.089	252	9796	3.21 ng/ml	96
33) Benzo(a)pyrene	18.206	252	13124	6.02 ng/ml	94
34) Perylene	18.404	252	4366	1.39 ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.729	276	9194	3.70 ng/ml	80
37) Dibenz(a,h)anthracene	20.794	278	1256	0.50 ng/ml	93
38) Benzo(g,h,i)perylene	21.260	276	11190	4.20 ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102022.D
Acq On : 10 Apr 2020 10:13 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-MSD1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:32 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N04102022.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.448min (-0.058) 6.33 ng/ml

response 18410

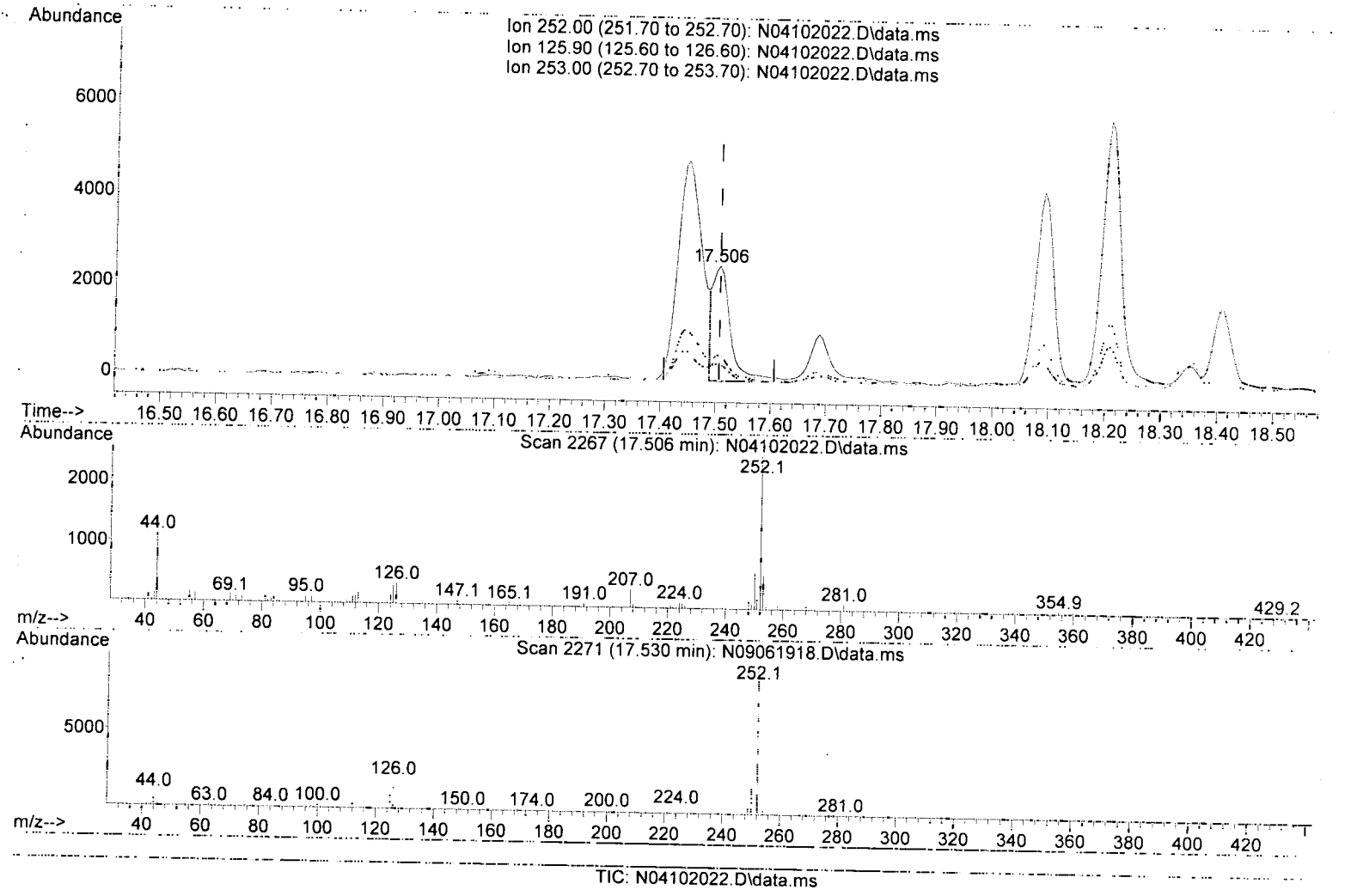
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.10
253.00	21.50	22.72
0.00	0.00	0.00

AMS 4/13/20

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102022.D
Acq On : 10 Apr 2020 10:13 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-MSD1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:32 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N04102022.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.506min (+ 0.000) 1.83 ng/ml m

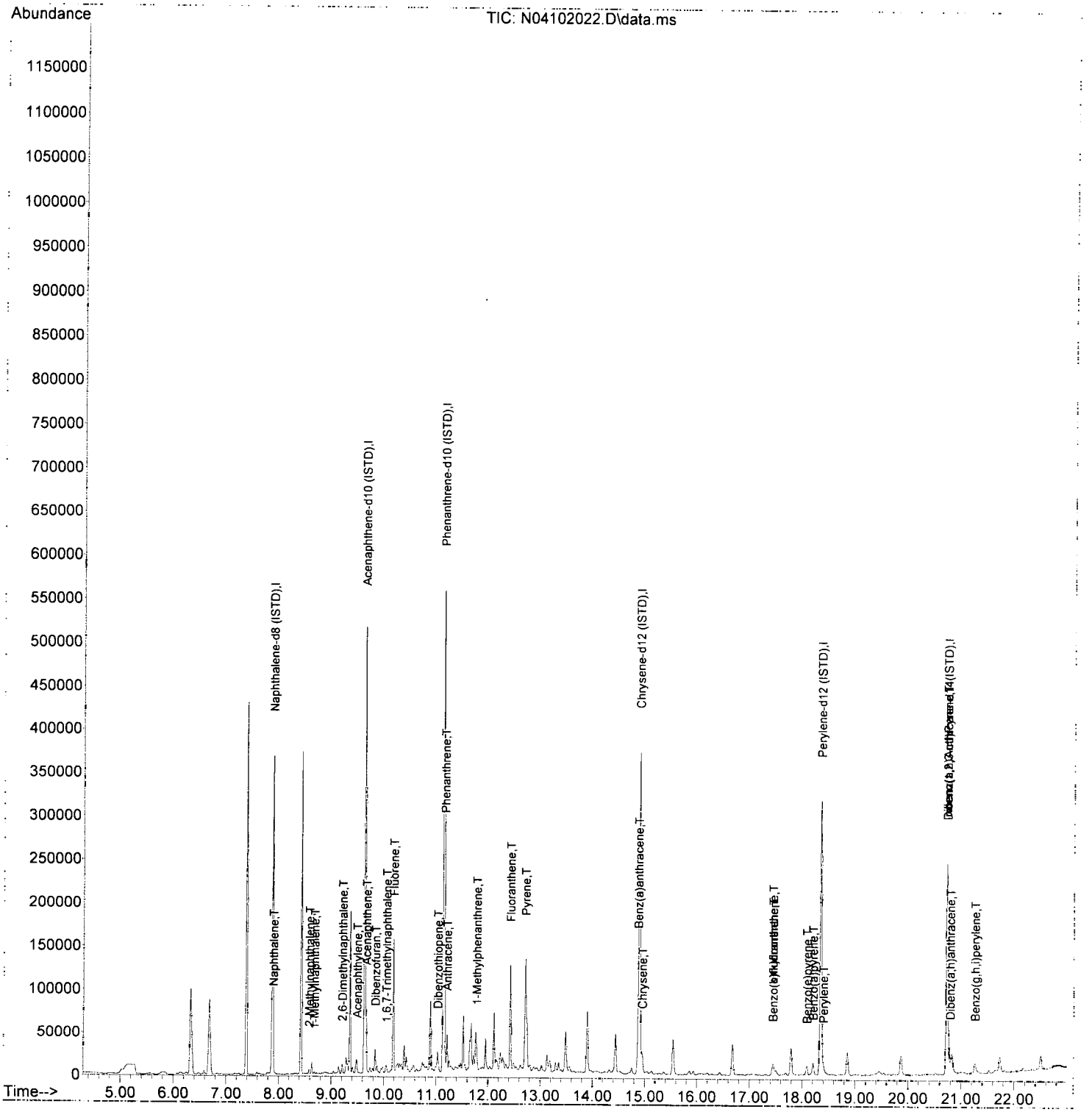
response 5332

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.86
253.00	21.50	22.55
0.00	0.00	0.00

AMS 4/13/20

Data Path : U:\data\2020-04\0D10041\
Data File : N04102022.D
Acq On : 10 Apr 2020 10:13 pm
Operator : JK/ AMS/ DTH
Sample : 0040357-MSD1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:32 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

AMS 4/13/20

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

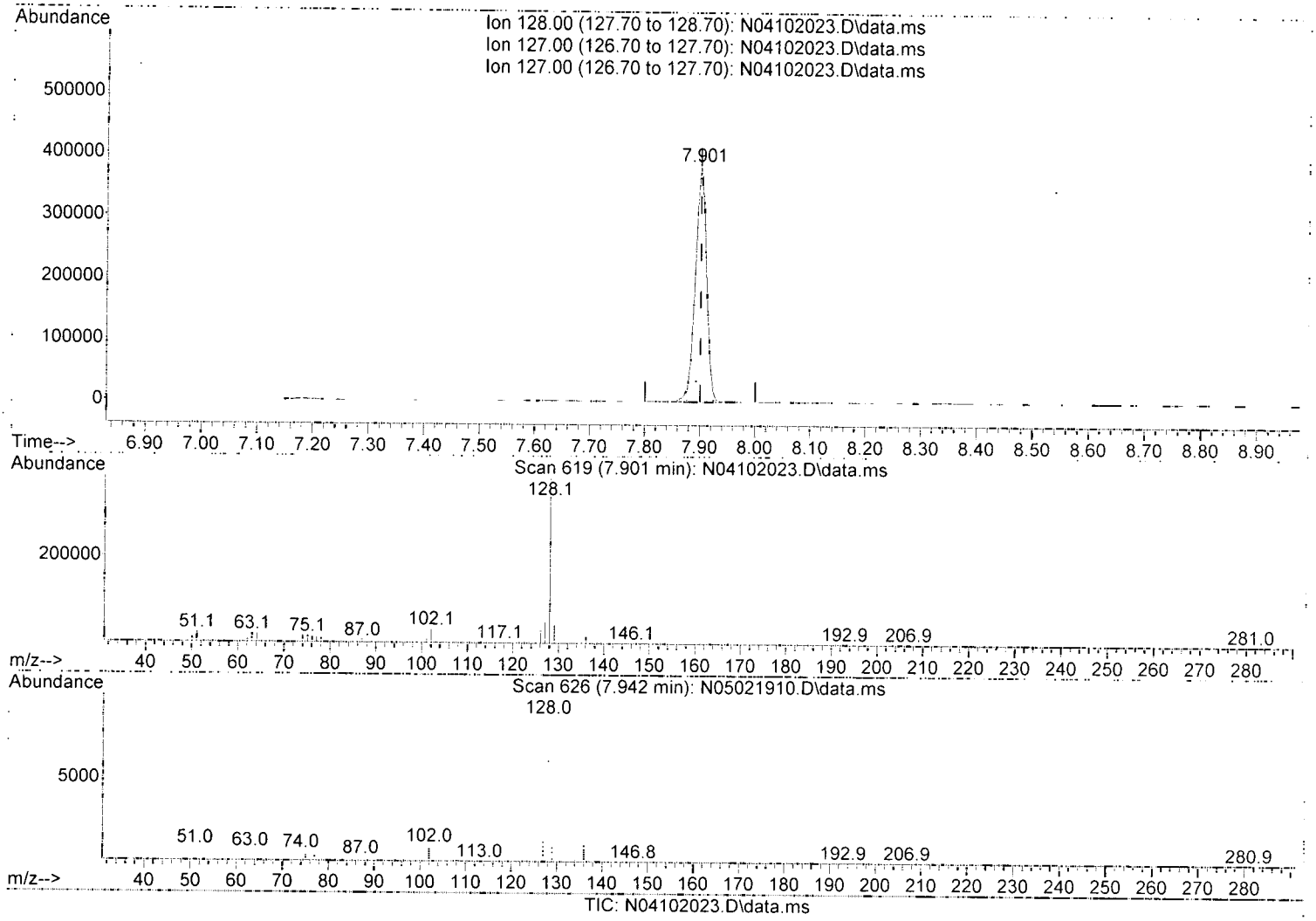
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.877	136	250577	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	160610	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	301104	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	281033	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	289233	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.729	292	236019	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.184	82	5349	6.83	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.944	172	18369	7.39	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	21349	7.86	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.901	128	546248	200.15	ng/ml	100
5) 2-Methylnaphthalene	8.583	142	78127	42.63	ng/ml	97
6) 1-Methylnaphthalene	8.682	142	131315	72.17	ng/ml	97
7) 1,1'-Biphenyl	9.049	154	3591	1.55	ng/ml	99
8) 2,6-Dimethylnaphthalene	9.212	156	36740	23.19	ng/ml	96
11) Acenaphthylene	9.492	152	21525	7.19	ng/ml	91
12) Acenaphthene	9.667	153	362948	165.21	ng/ml	100
13) Dibenzofuran	9.842	168	19575	7.36	ng/ml	97
14) 1,6,7-Trimethylnaphtha...	10.051	170	8762	5.09	ng/ml	95
15) Fluorene	10.185	166	88841	42.06	ng/ml	99
17) Dibenzothiopene	11.036	184	69474	22.83	ng/ml	94
18) Phenanthrene	11.165	178	457432	131.98	ng/ml	99
19) Anthracene	11.211	178	48020	16.92	ng/ml	98
20) Carbazole	11.369	167	40377	16.48	ng/ml	99
21) 1-Methylphenanthrene	11.783	192	4566	1.95	ng/ml	91
22) Fluoranthene	12.424	202	25956	7.60	ng/ml	95
24) Pyrene	12.709	202	17774	4.88	ng/ml	98
26) Benz(a)anthracene	14.889	228	1276	0.44	ng/ml	75
27) Chrysene	14.953	228	648	N.D.		
29) Benzo(b)fluoranthene	17.442	252	763	N.D.		
30) Benzo(k)fluoranthene	17.442	252	927	N.D.		
31) Benzo(b+k)fluoranthene	17.442	252	973	N.D.		
32) Benzo(e)pyrene	18.089	252	451	N.D.		
33) Benzo(a)pyrene	18.206	252	509	0.53	ng/ml#	53
34) Perylene	18.410	252	88590	27.52	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.724	276	571	N.D.		
37) Dibenz(a,h)anthracene	20.788	278	105	N.D.		
38) Benzo(g,h,i)perylene	21.260	276	584	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(4) Naphthalene (T)

7.901min (0.000) 200.15 ng/ml

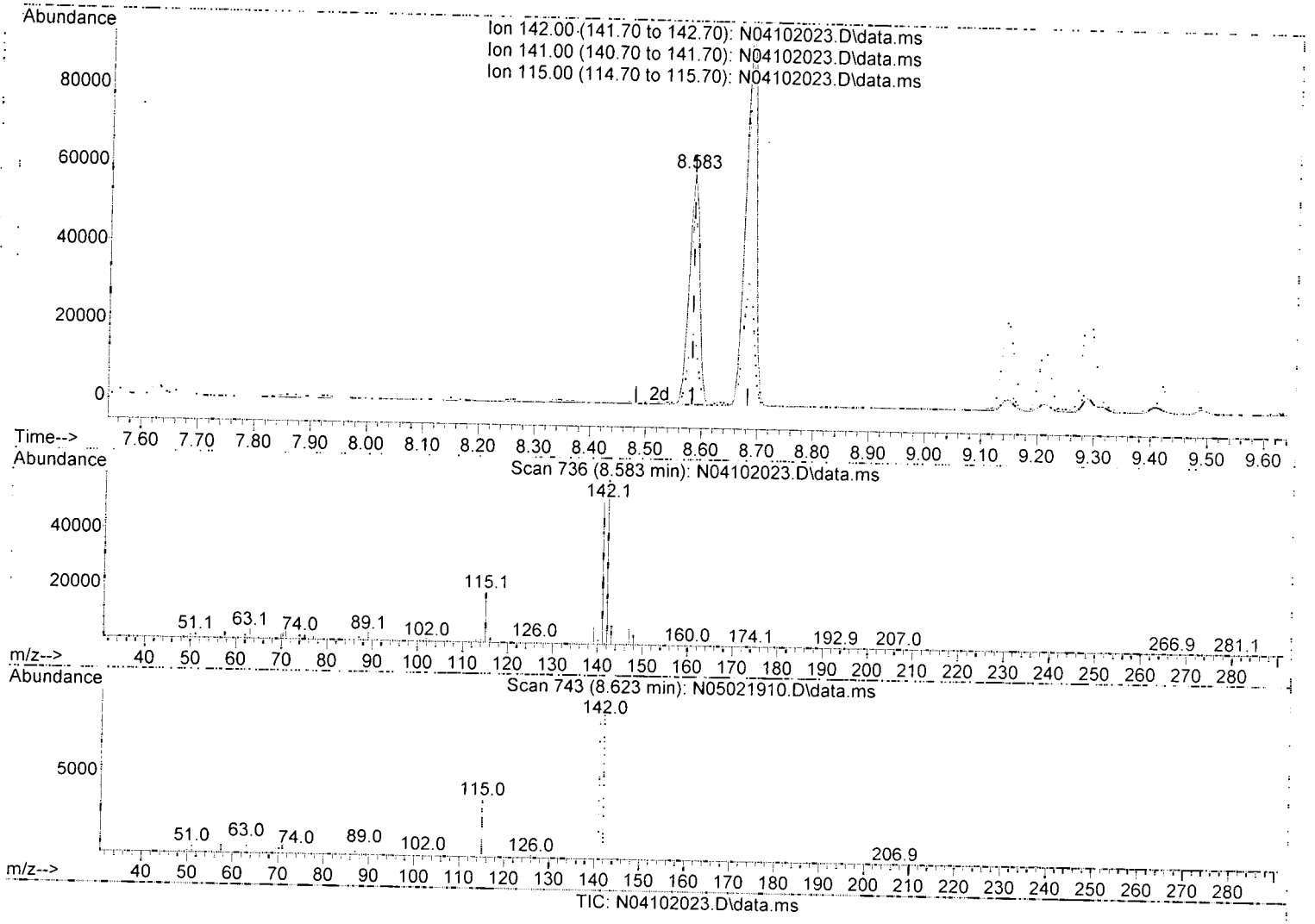
response 546248

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.75
127.00	12.60	12.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

8.583min (0.000) 42.63 ng/ml

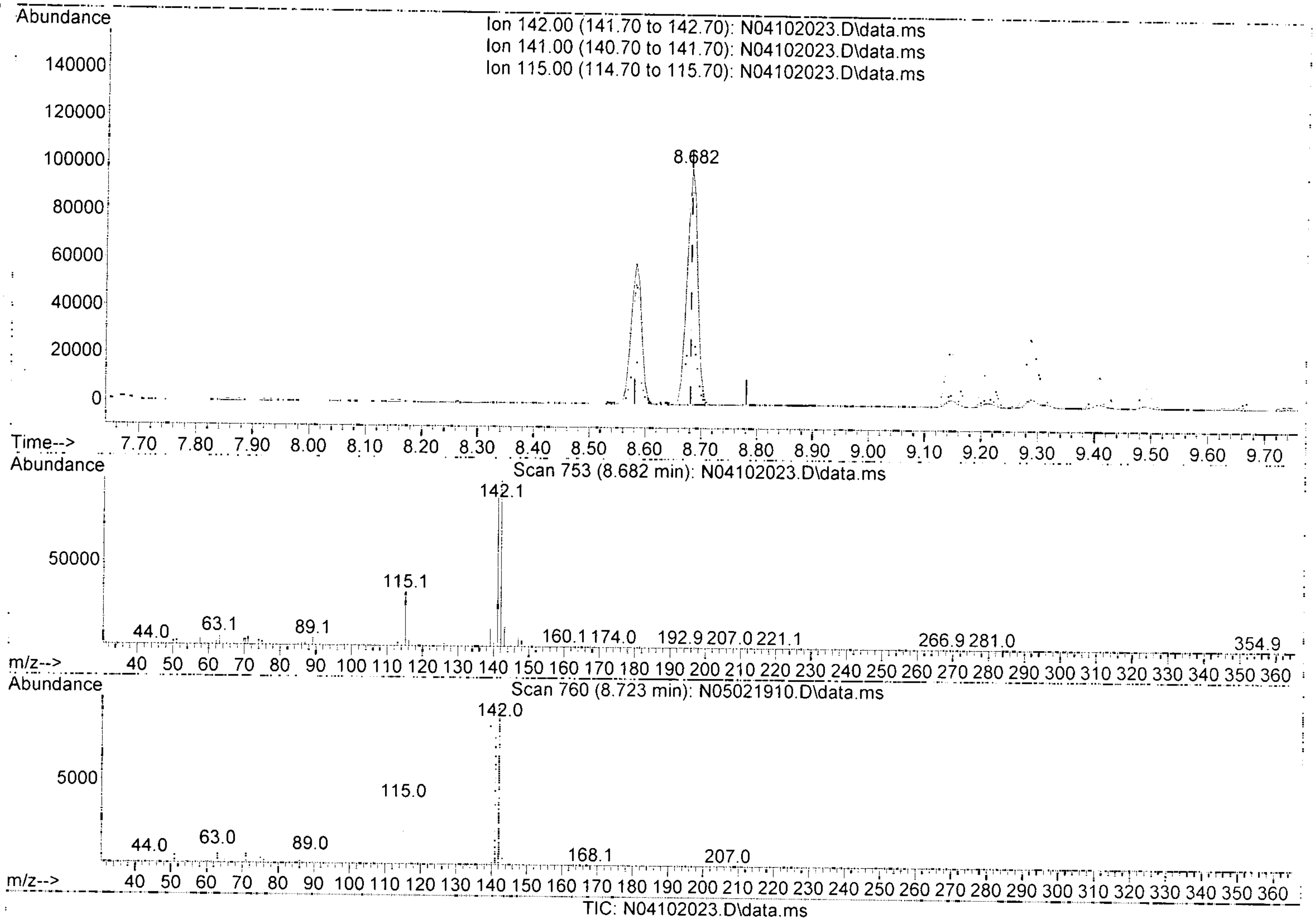
response 78127

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	86.47
115.00	35.70	30.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(6) 1-Methylnaphthalene (T)

8.682min (0.000) 72.17 ng/ml

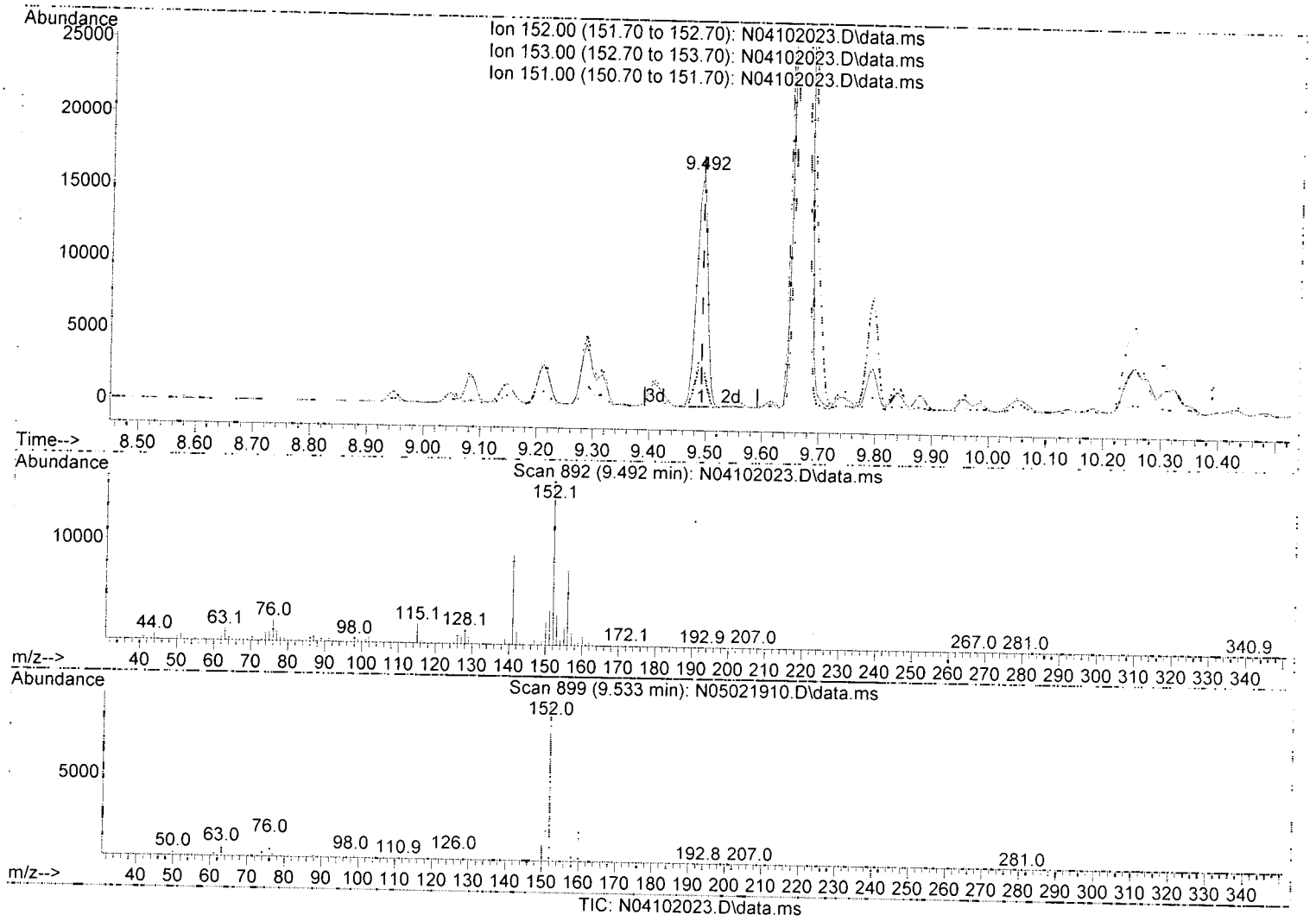
response 131315

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	90.70	90.44
115.00	37.80	32.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



TIC: N04102023.D\data.ms

(11) Acenaphthylene (T)

9.492min (0.000) 7.19 ng/ml

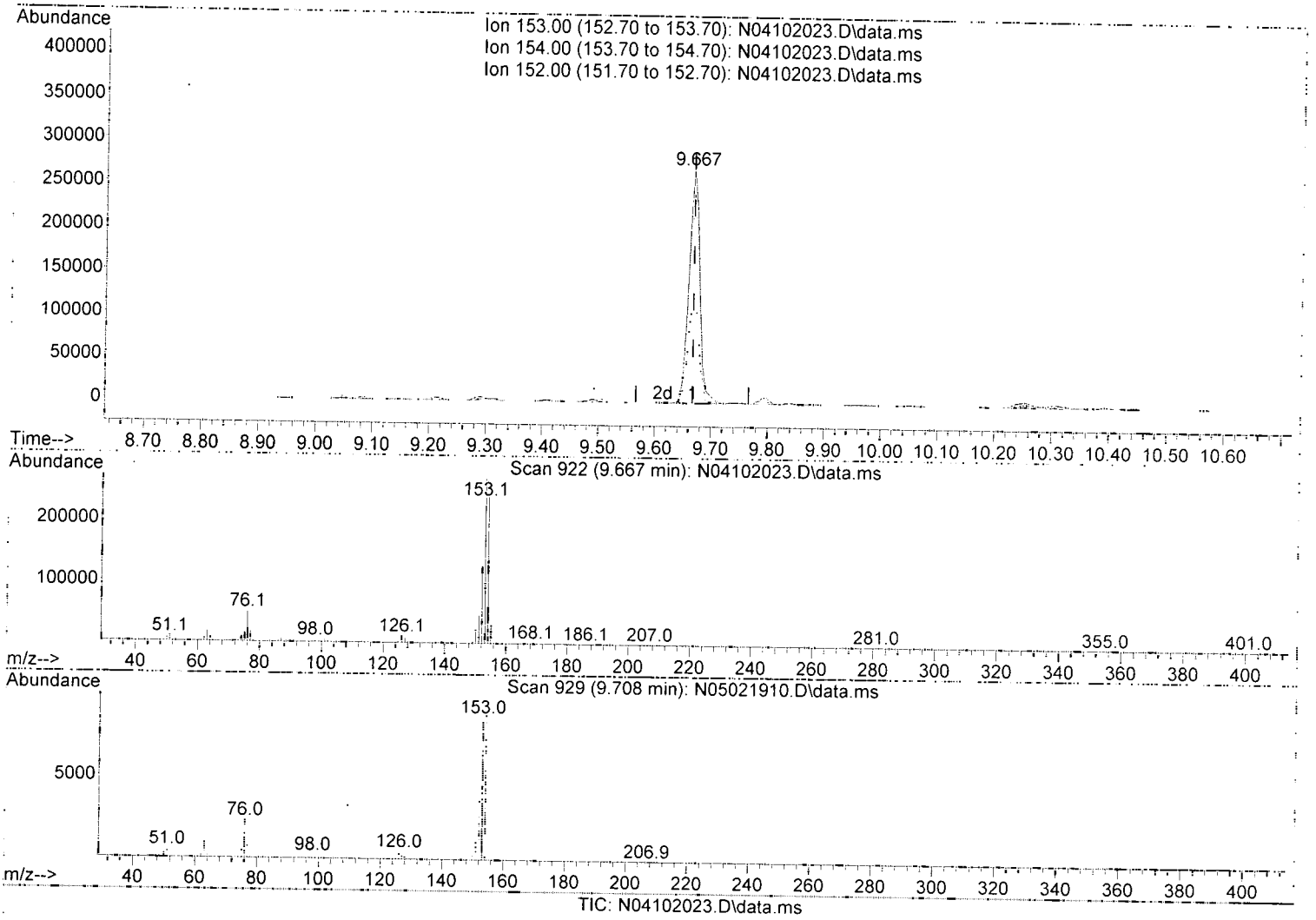
response 21525

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	18.54
151.00	19.30	21.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



TIC: N04102023.D\data.ms

(12) Acenaphthene (T)

9.667min (0.000) 165.21 ng/ml

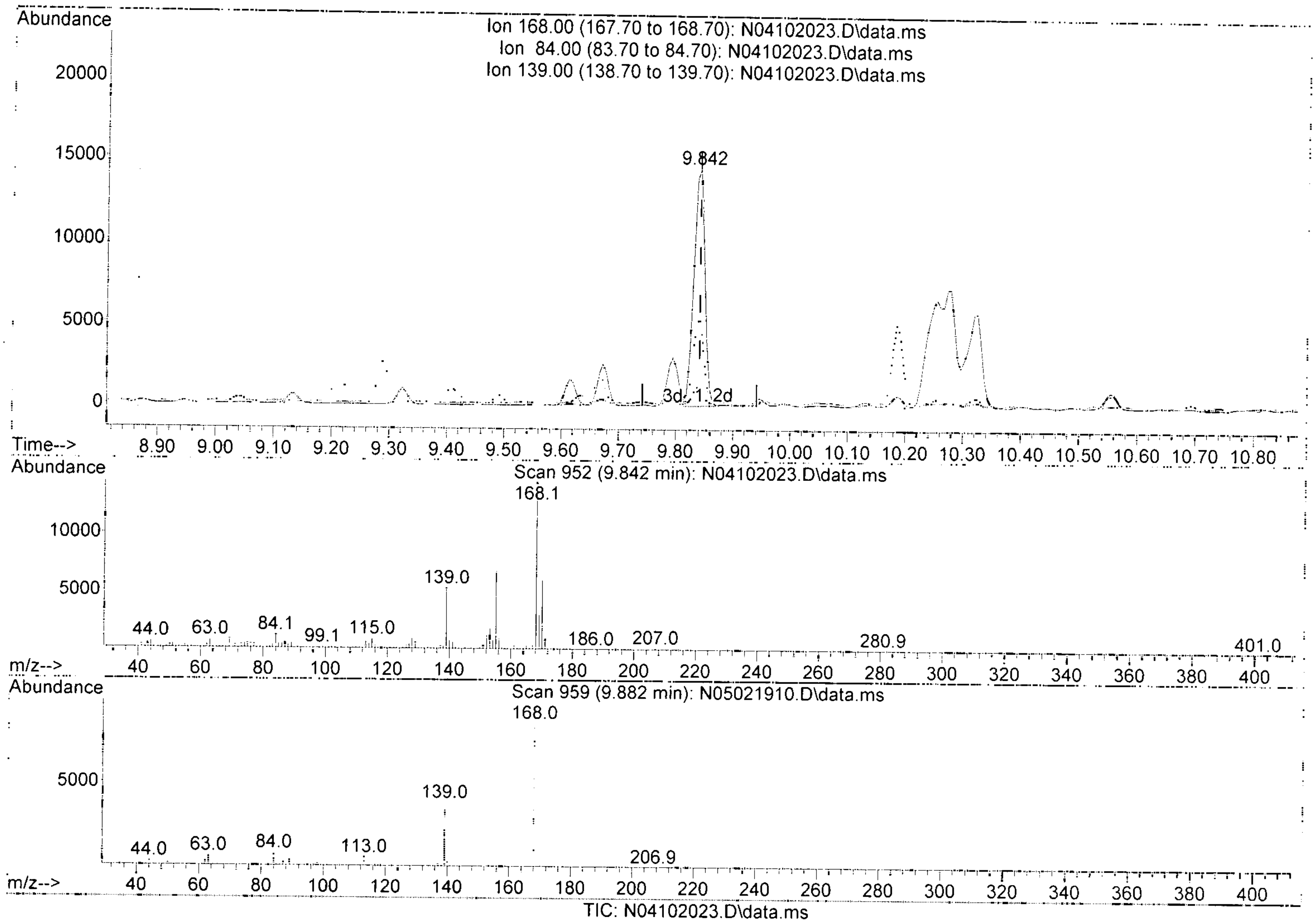
response 362948

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.50
152.00	46.80	46.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(13) Dibenzofuran (T)

9.842min (+ 0.000) 7.36 ng/ml

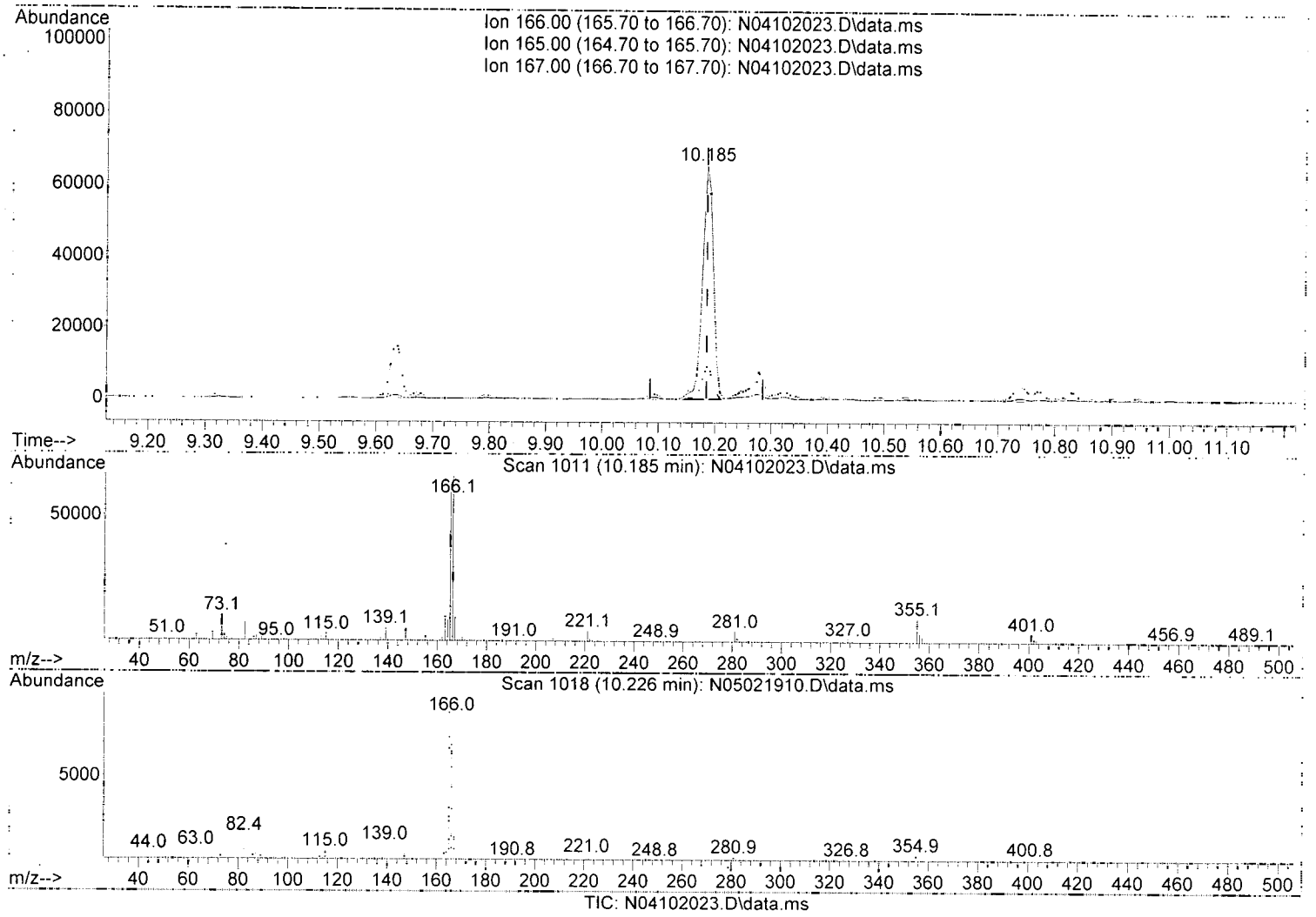
response 19575

Ion	Exp%	Act%
168.00	100.00	100.00
84.00	7.70	8.02
139.00	38.40	36.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



TIC: N04102023.D\data.ms

(15) Fluorene (T)

10.185min (0.000) 42.06 ng/ml

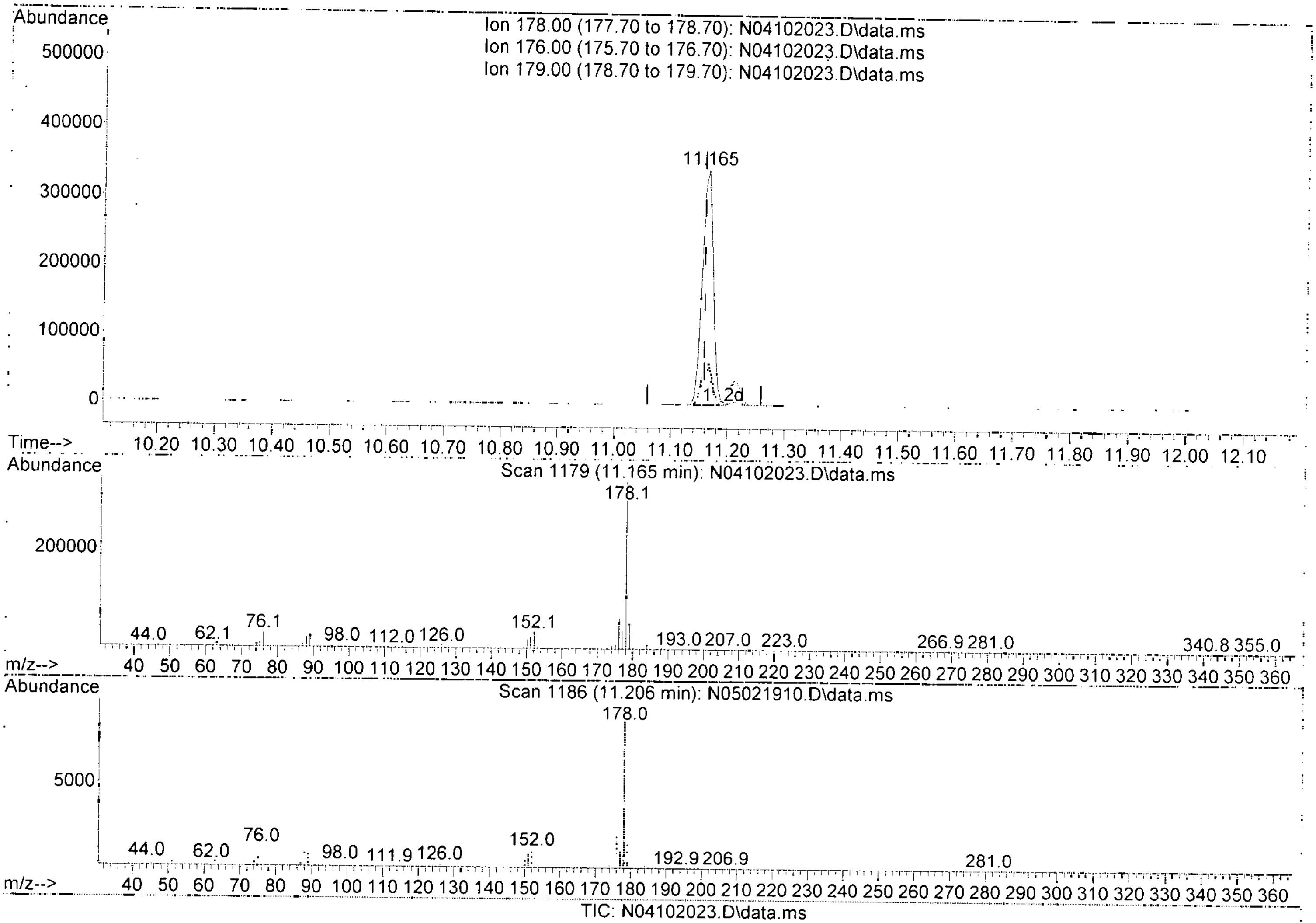
response 88841

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	94.32
167.00	13.60	14.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(18) Phenanthrene (T)

11.165min (+ 0.006) 131.98 ng/ml

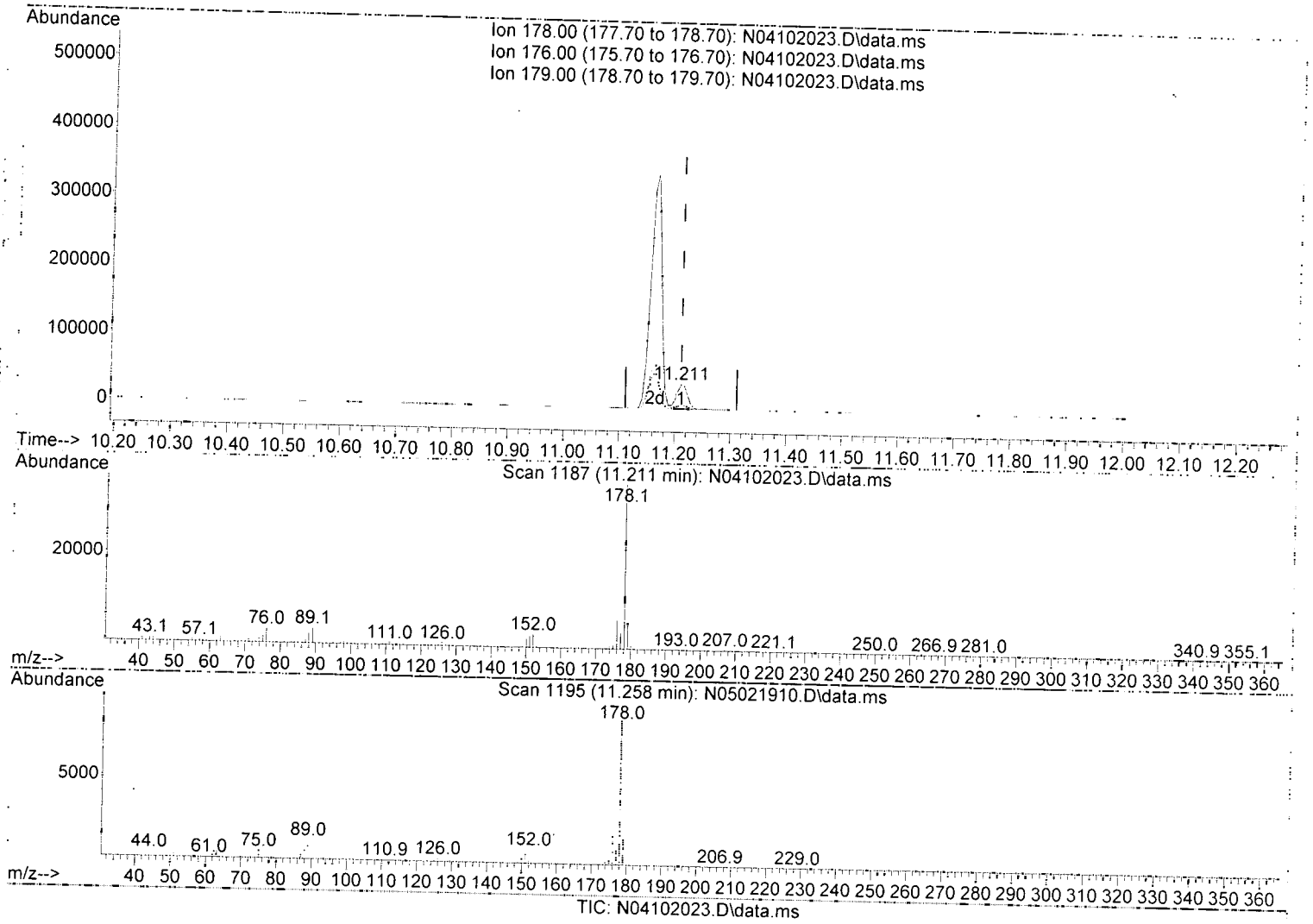
response 457432

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.63
179.00	15.10	15.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(19) Anthracene (T)

11.211min (0.000) 16.92 ng/ml

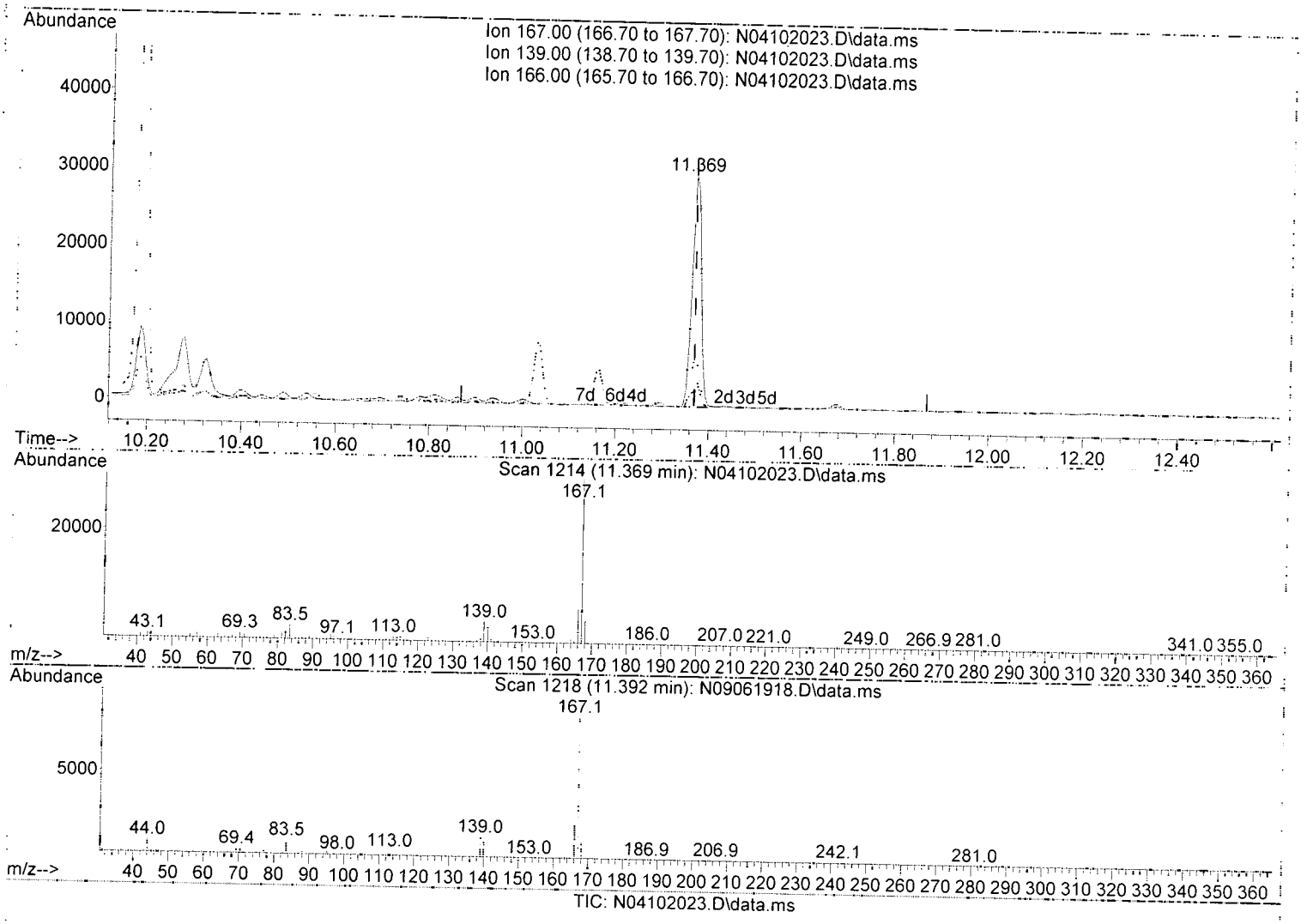
response 48020

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	17.67
179.00	15.30	16.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(20) Carbazole (T)

11.369min (0.000) 16.48 ng/ml

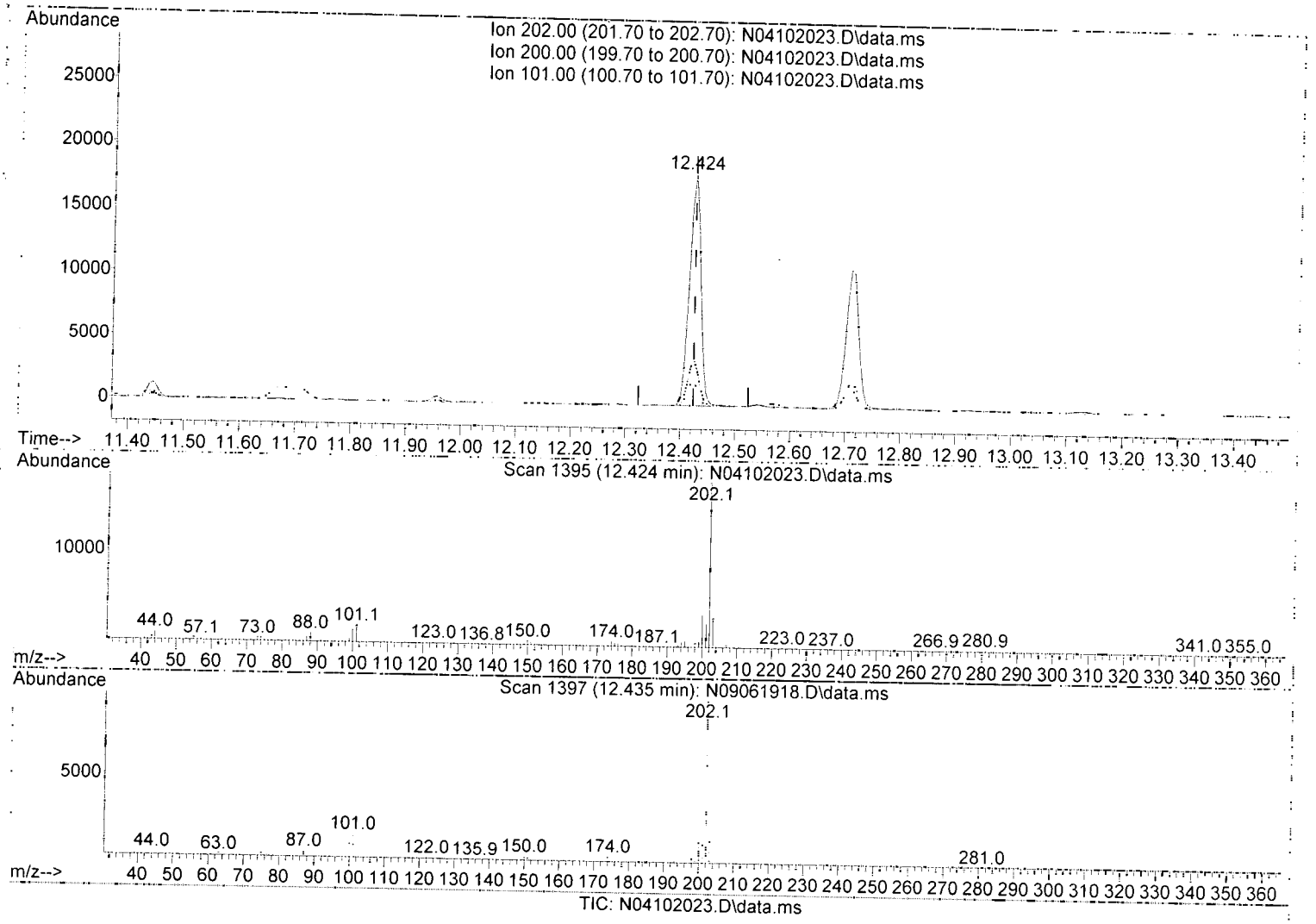
response 40377

Ion	Exp%	Act%
167.00	100.00	100.00
139.00	13.50	12.81
166.00	21.10	21.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(22) Fluoranthene (T)

12.424min (0.000) 7.60 ng/ml

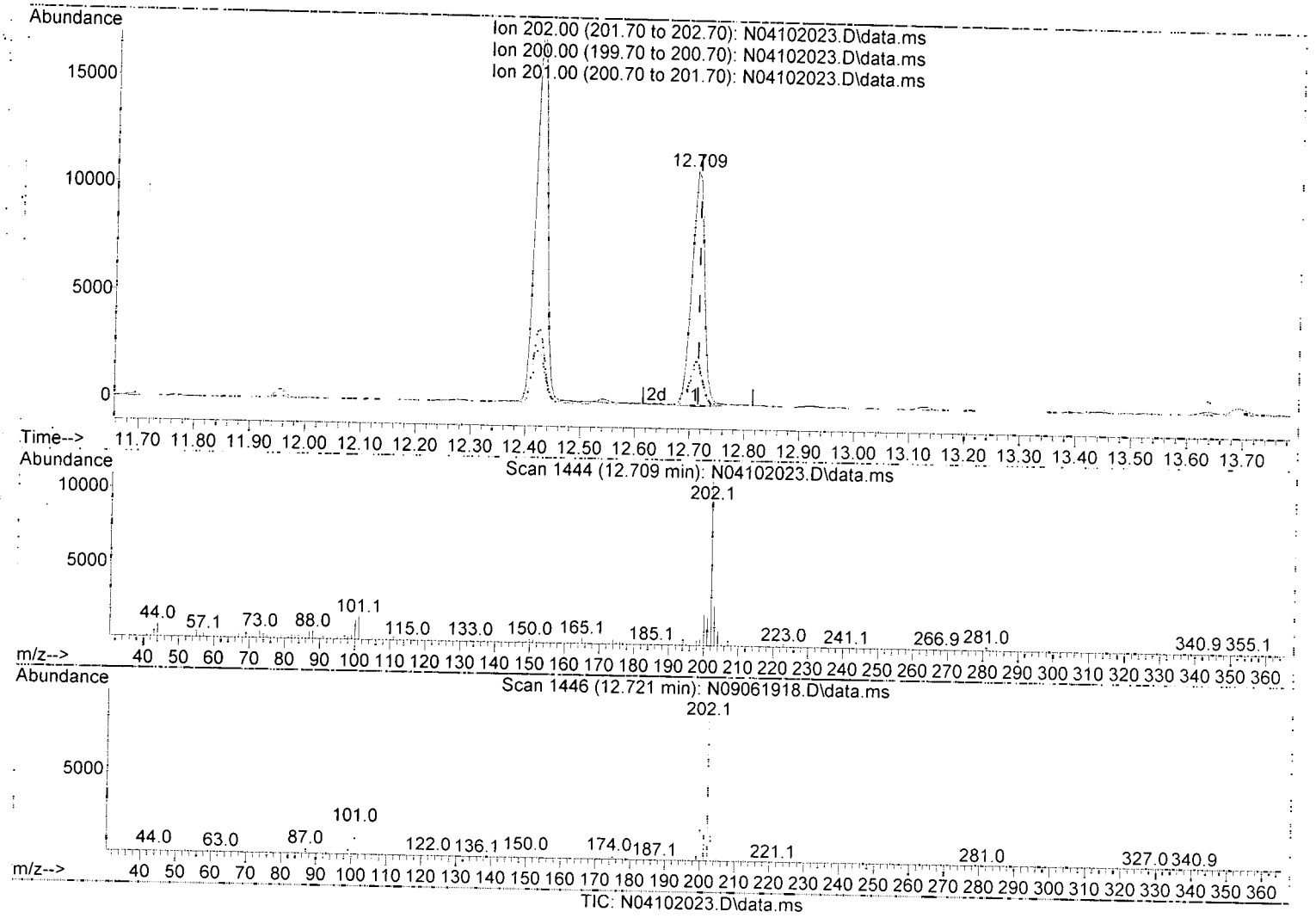
response 25956

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.84
101.00	15.30	10.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(24) Pyrene (T)

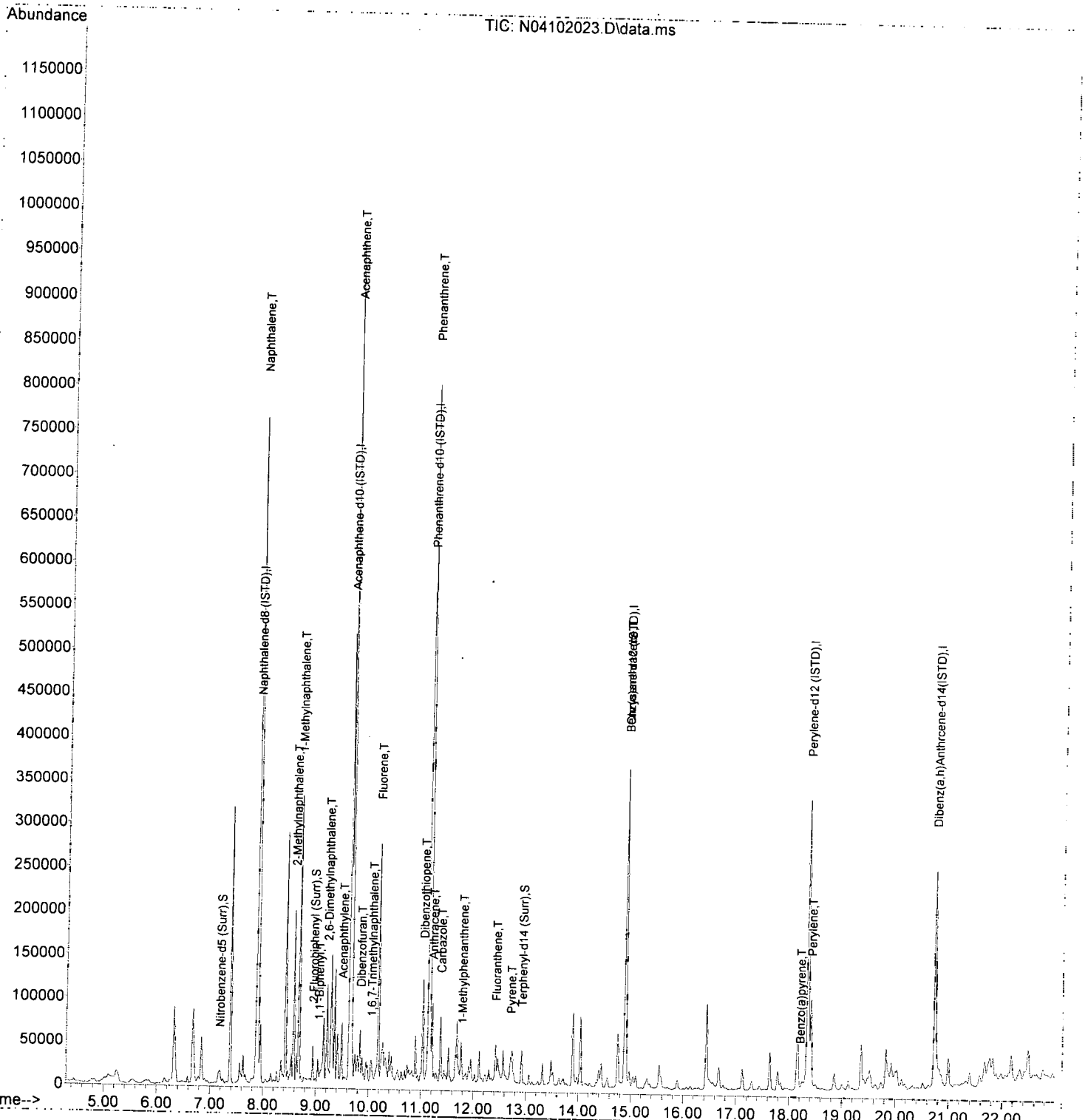
12.709min (-0.006) 4.88 ng/ml

response 17774

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	19.11
201.00	16.80	17.02
0.00	0.00	0.00

Data Path : U:\data\2020-04\0D10041\
Data File : N04102023.D
Acq On : 10 Apr 2020 10:44 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:35 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102024.D
Acq On : 10 Apr 2020 11:15 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02@4
Misc : 4x, 8270D LL PAH ONLY
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

RQ1

Quant Time: Apr 13 09:30:38 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

AMS 4/13/20

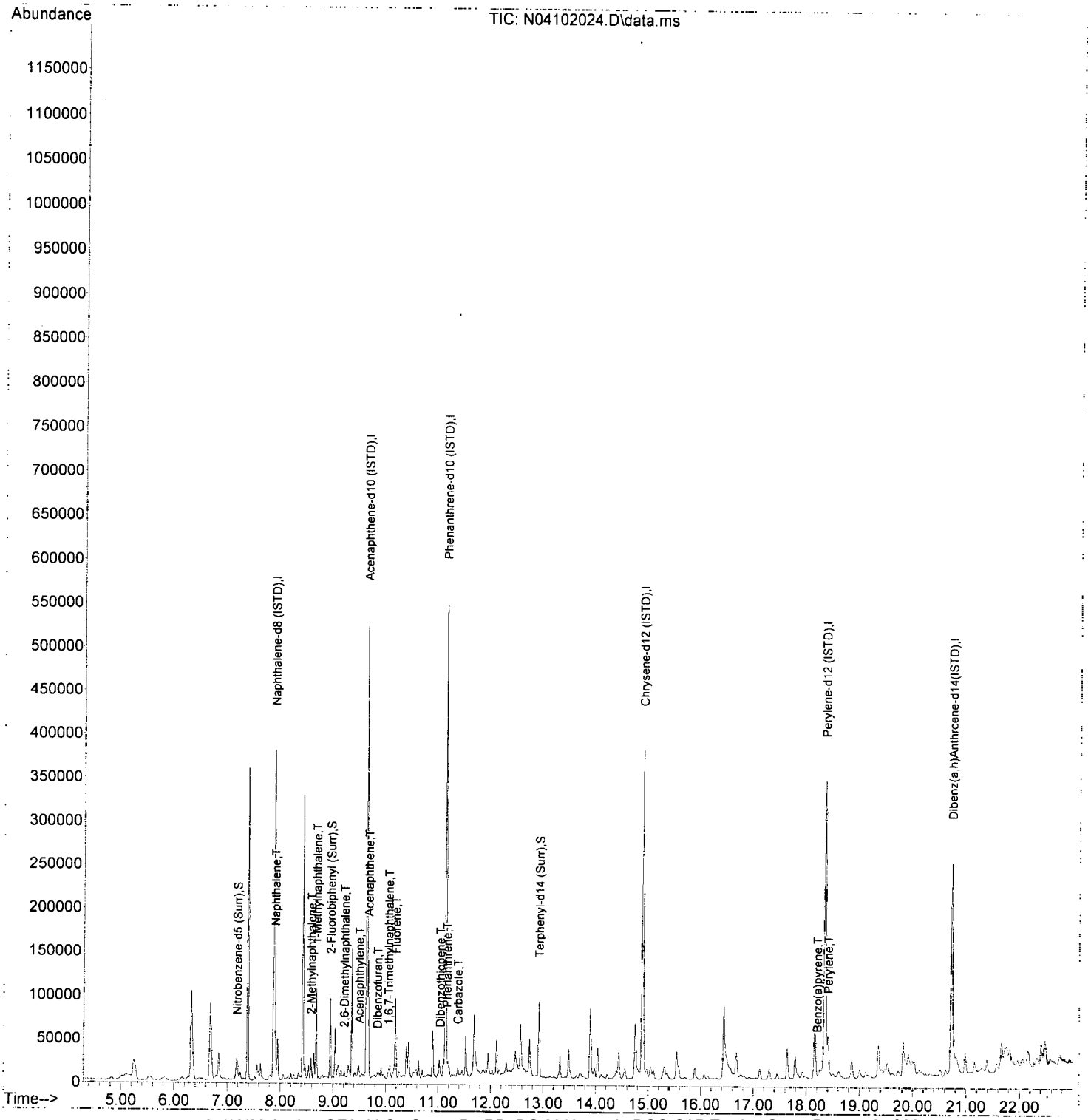
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Naphthalene-d8 (ISTD)	7.883	136	261149	100.00 ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.638	162	162203	100.00 ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	301645	100.00 ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	285490	100.00 ng/ml	0.00
28) Perylene-d12 (ISTD)	18.352	264	294002	100.00 ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.730	292	236166	100.00 ng/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5 (Surr)	7.184	82	13430	16.46 ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	43715	17.41 ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	49642	18.00 ng/ml	0.00
Target Compounds					Qvalue
3) Decalin	0.000		0	N.D.	
4) Naphthalene	7.901	128	60993	21.44 ng/ml	100
5) 2-Methylnaphthalene	8.583	142	9101	4.77 ng/ml	97
6) 1-Methylnaphthalene	8.682	142	40778	21.50 ng/ml	96
7) 1,1'-Biphenyl	9.049	154	773	N.D.	
8) 2,6-Dimethylnaphthalene	9.212	156	2287	1.38 ng/ml	96
11) Acenaphthylene	9.492	152	3414	1.13 ng/ml	91
12) Acenaphthene	9.667	153	49363	22.25 ng/ml	99
13) Dibenzofuran	9.842	168	1122	0.42 ng/ml	86
14) 1,6,7-Trimethylnaphtha...	10.052	170	977	0.56 ng/ml	86
15) Fluorene	10.186	166	6816	3.19 ng/ml	98
17) Dibenzothiopene	11.037	184	2431	0.80 ng/ml	95
18) Phenanthrene	11.165	178	12205	3.52 ng/ml	98
19) Anthracene	11.211	178	897	N.D.	
20) Carbazole	11.375	167	1512	0.62 ng/ml	91
21) 1-Methylphenanthrene	11.788	192	134	N.D.	
22) Fluoranthene	12.424	202	969	N.D.	
24) Pyrene	12.715	202	1255	N.D.	
26) Benz(a)anthracene	14.889	228	1172	N.D.	
27) Chrysene	14.953	228	285	N.D.	
29) Benzo(b)fluoranthene	17.448	252	417	N.D.	
30) Benzo(k)fluoranthene	17.506	252	170	N.D.	
31) Benzo(b+k)fluoranthene	17.448	252	587	N.D.	
32) Benzo(e)pyrene	18.089	252	287	N.D.	
33) Benzo(a)pyrene	18.206	252	223	0.40 ng/ml#	23
34) Perylene	18.410	252	36832	11.26 ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.730	276	352	N.D.	
37) Dibenz(a,h)anthracene	20.800	278	83	N.D.	
38) Benzo(g,h,i)perylene	21.260	276	297	N.D.	

J

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D10041\
Data File : N04102024.D
Acq On : 10 Apr 2020 11:15 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02@4
Misc : 4x, 8270D LL PAH ONLY
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:38 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102025.D
Acq On : 10 Apr 2020 11:46 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-04@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:41 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

PAHR1
AMS
4/13/20

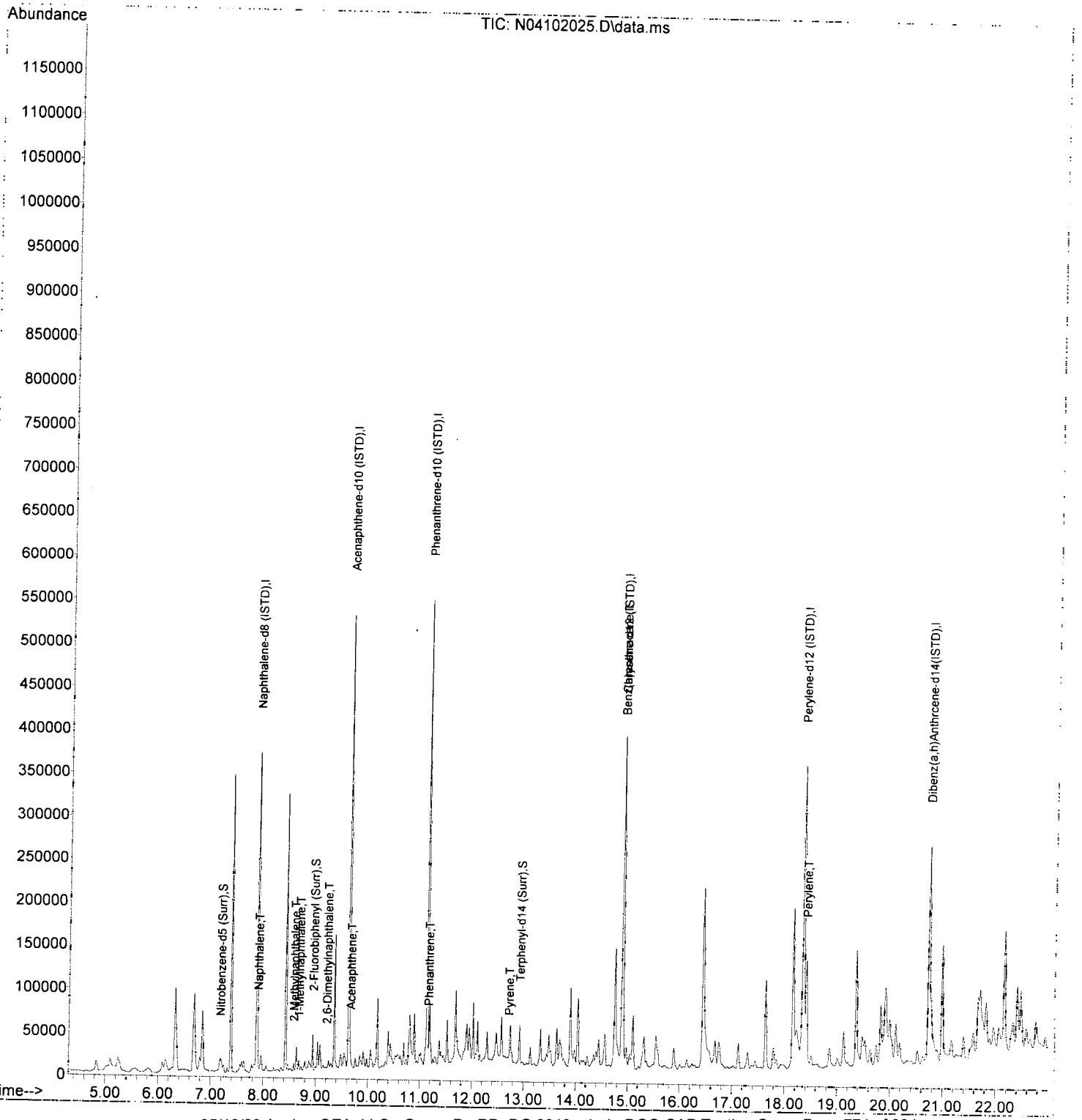
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.883	136	264061	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.638	162	163386	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	301375	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	289281	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	300879	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.735	292	240916	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.184	82	5605	6.79	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	19554	7.73	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	24257	8.68	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.901	128	4179	1.45	ng/ml	99
5) 2-Methylnaphthalene	8.583	142	932	0.48	ng/ml	86
6) 1-Methylnaphthalene	8.682	142	4723	2.46	ng/ml	98
7) 1,1'-Biphenyl	9.049	154	761	N.D.		
8) 2,6-Dimethylnaphthalene	9.212	156	675	0.40	ng/ml	93
11) Acenaphthylene	9.492	152	601	N.D.		
12) Acenaphthene	9.667	153	3646	1.63	ng/ml	94
13) Dibenzofuran	9.842	168	330	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.063	170	410	N.D.		
15) Fluorene	10.185	166	829	N.D.		
17) Dibenzothiopene	11.031	184	371	N.D.		
18) Phenanthrene	11.165	178	1950	0.56	ng/ml	91
19) Anthracene	11.211	178	341	N.D.		
20) Carbazole	11.369	167	315	N.D.		
21) 1-Methylphenanthrene	11.788	192	886	N.D.		
22) Fluoranthene	12.424	202	1056	N.D.		
24) Pyrene	12.715	202	1508	0.40	ng/ml	83
26) Benz(a)anthracene	14.889	228	1350	0.45	ng/ml	80
27) Chrysene	14.953	228	540	N.D.		
29) Benzo(b)fluoranthene	17.448	252	494	N.D.		
30) Benzo(k)fluoranthene	17.500	252	225	N.D.		
31) Benzo(b+k)fluoranthene	17.448	252	719	N.D.		
32) Benzo(e)pyrene	18.089	252	398	N.D.		
33) Benzo(a)pyrene	18.206	252	209	N.D.		
34) Perylene	18.410	252	108031	32.26	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.729	276	373	N.D.		
37) Dibenz(a,h)anthracene	20.776	278	173	N.D.		
38) Benzo(g,h,i)perylene	21.260	276	375	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D10041\
Data File : N04102025.D
Acq On : 10 Apr 2020 11:46 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-04@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 09:30:41 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

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

Sequence 0D13031 (A0D0205-02RE1,03)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D13031** Instrument: **SV-GCMS14**

Date: **04/13/20 08:06** Calibration: **A0D0804**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D13031-TUN1	Sediment	QC	QC			A20C067	A20D163
2	0D13031-CCV1	Sediment	QC	QC			A20C067	A20C077
3	0D13031-CCB1	Sediment	QC	QC			A20C067	
4	0D13031-CCB2	Sediment	QC	QC			A20C067	
5	A0D0212-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
6	A0D0212-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
7	A0D0212-04	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
8	A0D0212-05	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
9	A0D0212-06	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040357	A20C067	
10	A0D0212-07	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040357	A20C067	
11	A0D0207-04RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
12	A0D0196-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
13	A0D0196-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
14	A0D0196-04	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
15	A0D0205-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
16	A0D0207-05	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
17	A0D0207-06	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
18	A0D0212-08	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040357	A20C067	
19	A0D0212-09	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040357	A20C067	
20	A0D0212-02RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
21	A0D0205-02RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
22	A0D0205-04RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
23	0D13031-IBL1	Sediment	QC	QC			A20C067	

Data Entered By: AMS 4/14/20

Data Reviewed By: 4/14/20

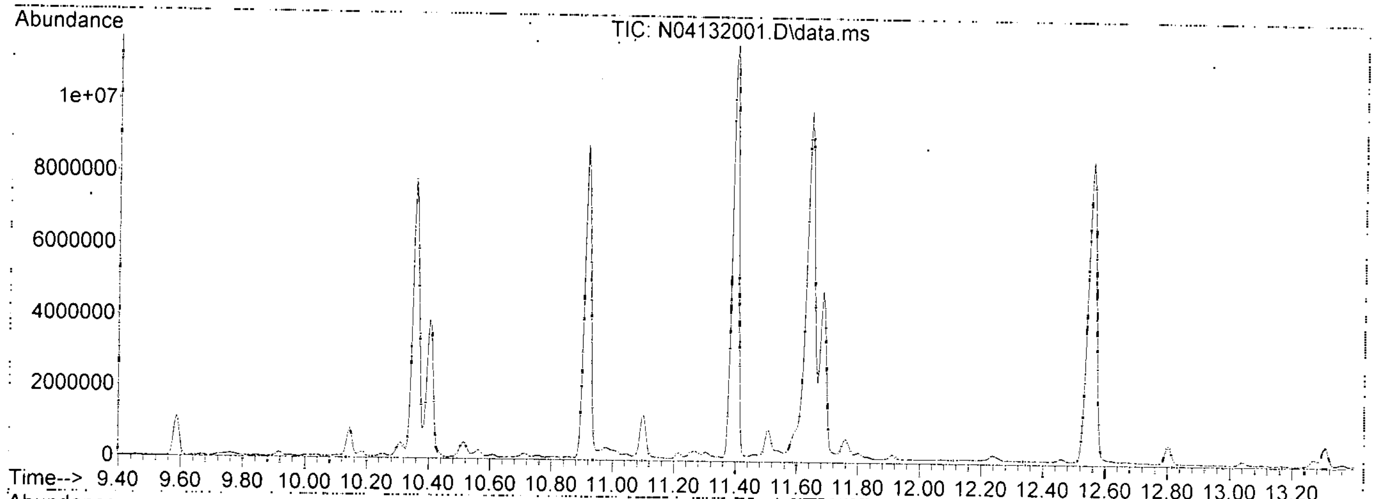
Comments:

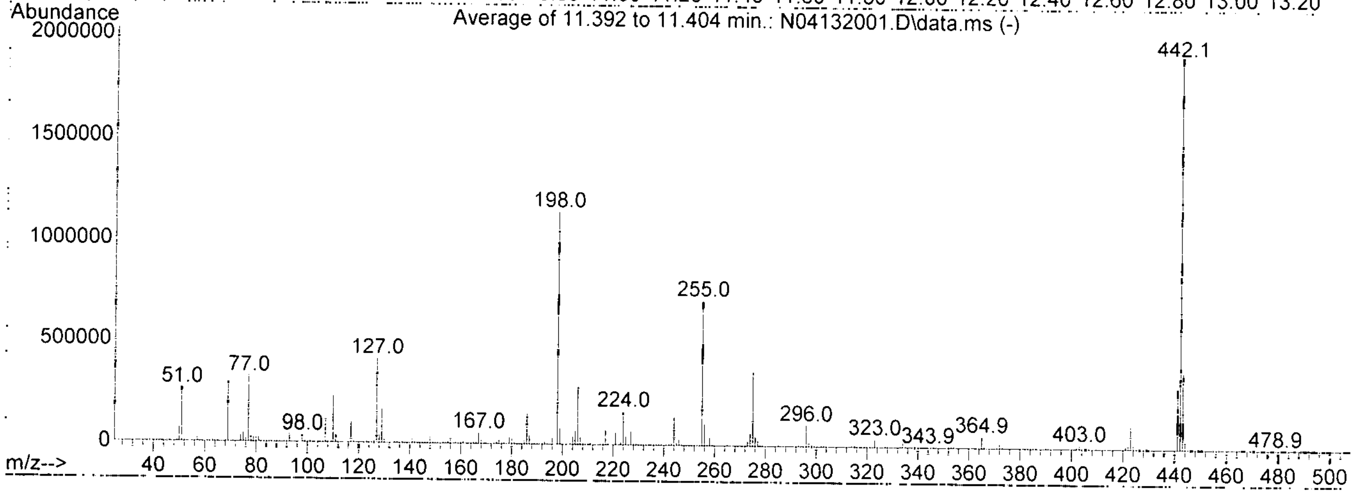
Data Path : U:\data\2020-04\0D13031\
Data File : N04132001.D
Acq On : 13 Apr 2020 08:13 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

AMS
4/13/20

Integration File: rteint.p

Method : U:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Mon Apr 13 09:22:09 2020





AutoFind: Scans 1218, 1219, 1220; Background Corrected with Scan 1211

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	5210	PASS
69	69	100	100	100.0	286023	PASS
70	69	0.00	2	0.5	1479	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1140149	PASS
199	198	5	9	6.7	76890	PASS
365	198	1	100	4.8	54316	PASS
441	443	0.01	150	77.8	290581	PASS
442	198	0.10	200	169.3	1930069	PASS
443	442	15	24	19.3	373440	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132001.D
Acq On : 13 Apr 2020 08:13 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 13:21:16 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration

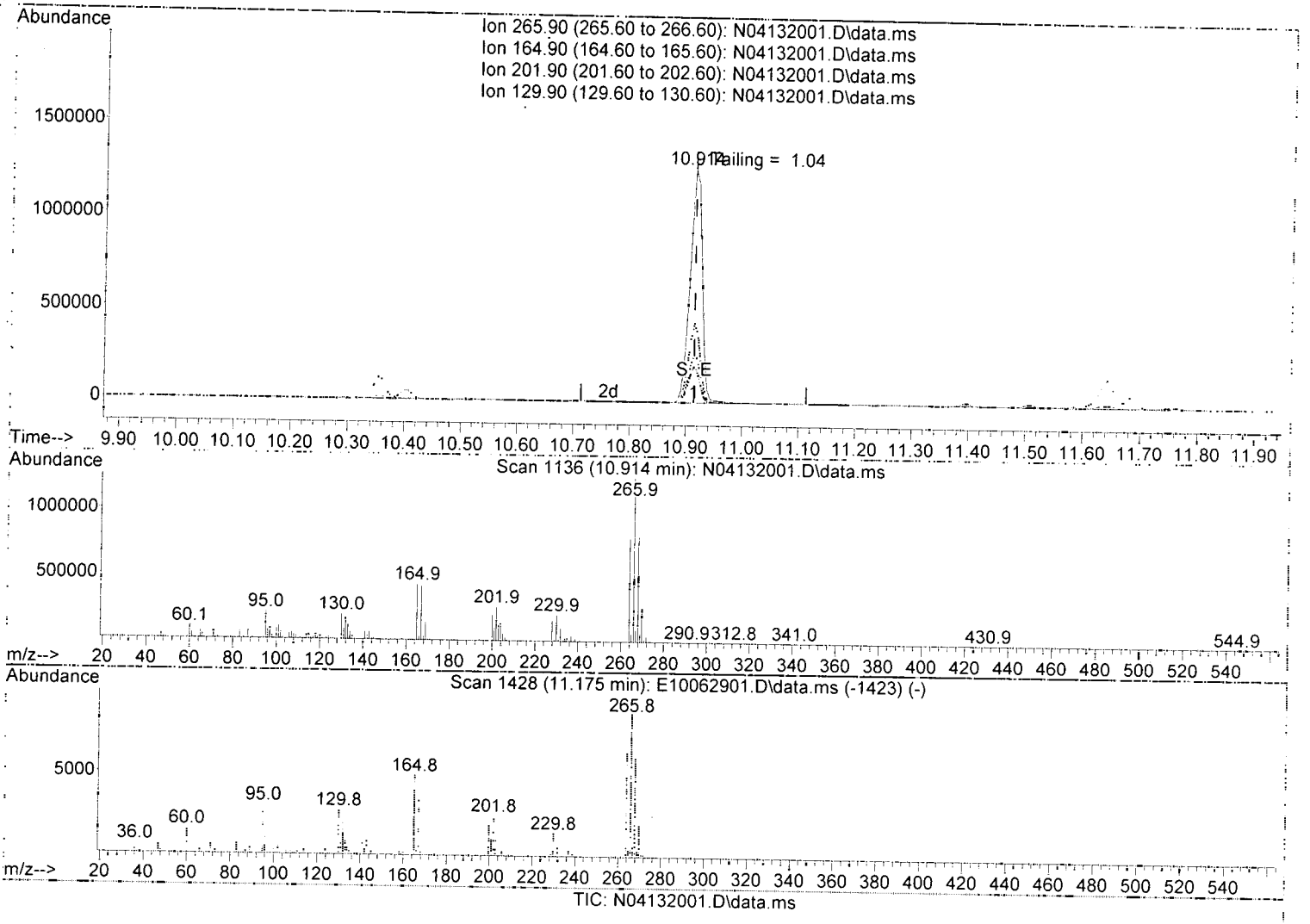
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.612	150	212338	2.00	ug/mL		0.00
2) Naphthalene-d8	7.825	136	585664	2.00	ug/mL		0.00
3) Acenaphthene-d10	9.585	162	337015	2.00	ug/mL		0.00
5) Phenanthrene-d10	11.100	188	646638	2.00	ug/mL		0.00
11) Chrysene-d12	14.773	240	642270	2.00	ug/mL		0.00
12) Perylene-d12	16.801	264	645966	2.00	ug/mL		0.00
13) Dibenz(a,h)anthracene-...	18.025	292	552332	2.00	ug/mL	#	0.00
Target Compounds							Qvalue
4) Pentachlorophenol	10.914	266	1878447	59.02	ug/mL		80
6) DFTPP	11.398	442	3010269	57.66	ug/mL	#	63
7) Benzidine	12.558	184	7118772	30.95	ug/mL		97
8) 4,4-DDE	12.802	TIC	741779	No Calib			
9) 4,4-DDD	13.304	TIC	836142	No Calib			
10) 4,4-DDT	13.863	TIC	21166081	31.92	ug/mL		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132001.D
Acq On : 13 Apr 2020 08:13 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 13:21:16 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration



(4) Pentachlorophenol

10.914min (-0.000) 59.02 ug/mL

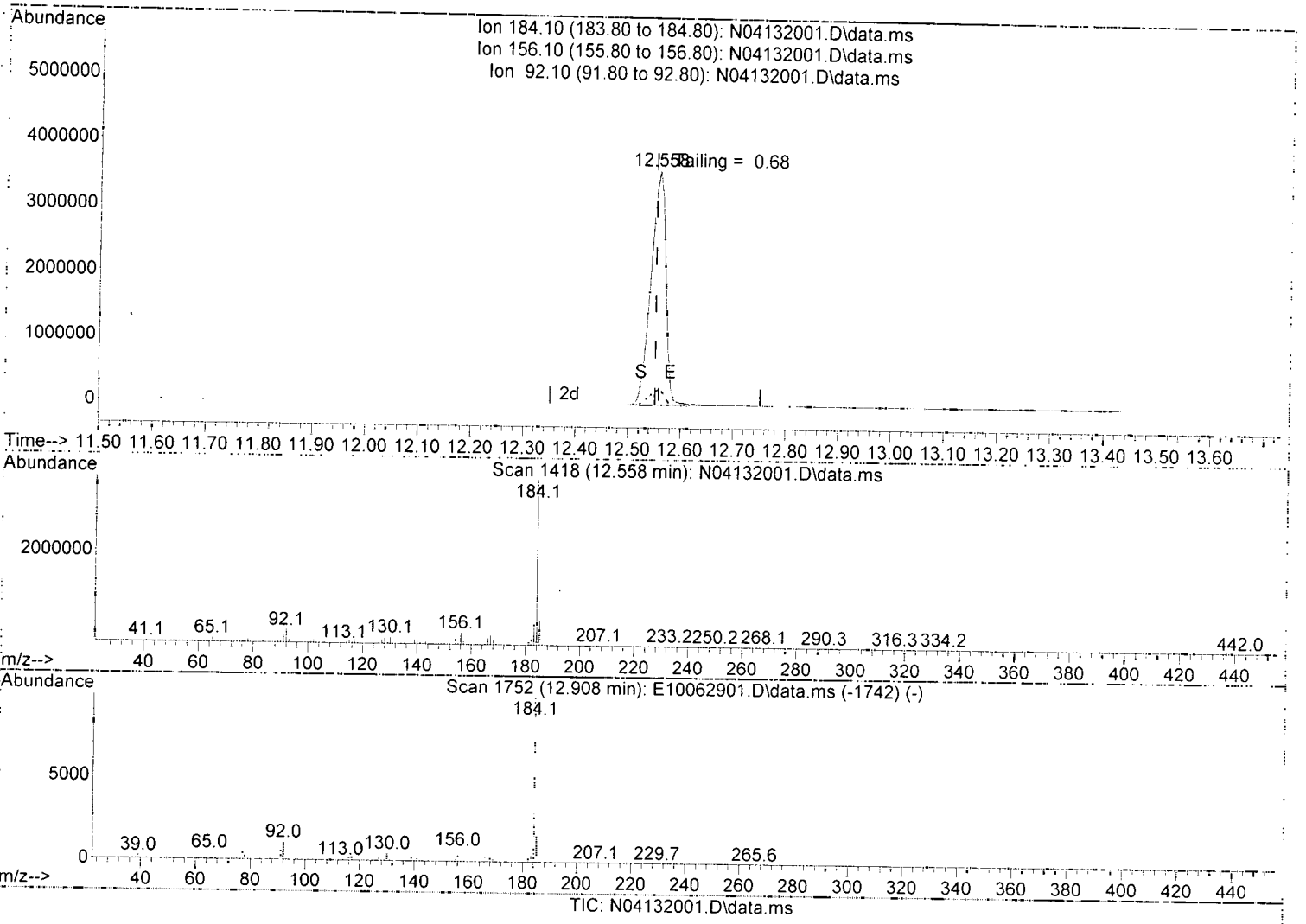
response 1878447

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	34.27
201.90	25.80	20.86
129.90	27.30	15.53

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132001.D
Acq On : 13 Apr 2020 08:13 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 13:21:16 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration



TIC: N04132001.D\data.ms

(7) Benzidine

12.558min (+ 0.006) 30.95 ug/mL

response 7118772

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.05
92.10	8.20	7.62
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:
0D13031-TUN1
SV-GCMS 14

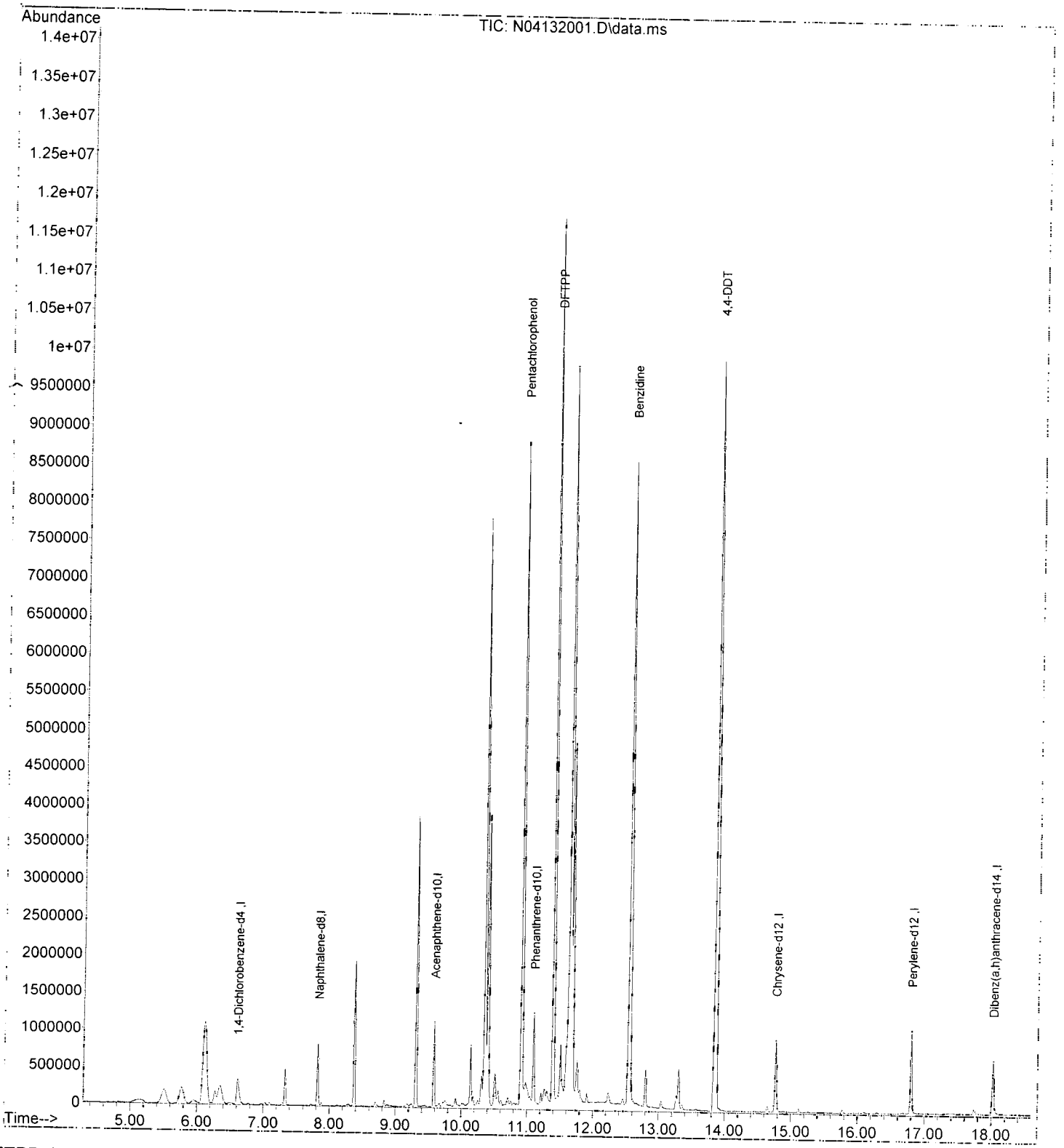
First Column	Area Counts	Percent Breakdown	
DDE	741779		
DDD	836142		
DDT	21166081	6.94	PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132001.D
Acq On : 13 Apr 2020 08:13 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 13 13:21:16 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-04\0D13031\
Data File : N04132002.D
Acq On : 13 Apr 2020 08:40 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1

AMS 4/13/20

Quant Time: Apr 13 13:23:21 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	85	0.00
2	S	Nitrobenzene-d5 (Surr)	50.000	48.288	3.4	85	0.00
3	T	Decalin	50.000	41.897	16.2	76	0.00
4	T	Naphthalene	50.000	49.351	1.3	86	0.00
5	T	2-Methylnaphthalene	50.000	48.817	2.4	82	0.00
6	T	1-Methylnaphthalene	50.000	49.363	1.3	83	0.00
7	T	1,1'-Biphenyl	50.000	52.959	-5.9	91	0.00
8	T	2,6-Dimethylnaphthalene	50.000	53.110	-6.2	91	0.00
9	I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	92	0.00
10	S	2-Fluorobiphenyl (Surr)	50.000	50.957	-1.9	94	0.00
11	T	Acenaphthylene	50.000	54.377	-8.8	97	0.00
12	T	Acenaphthene	50.000	50.410	-0.8	93	0.00
13	T	Dibenzofuran	50.000	53.371	-6.7	99	0.00
14	T	1,6,7-Trimethylnaphthalene	50.000	54.436	-8.9	101	0.00
15	T	Fluorene	50.000	53.416	-6.8	100	0.00
16	I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	104	0.00
17	T	Dibenzothiopene	50.000	51.133	-2.3	105	0.00
18	T	Phenanthrene	50.000	49.047	1.9	104	0.00
19	T	Anthracene	50.000	55.071	-10.1	114	0.00
20	T	Carbazole	50.000	50.148	-0.3	99	0.00
21	T	1-Methylphenanthrene	50.000	53.621	-7.2	109	0.00
22	T	Fluoranthene	50.000	54.857	-9.7	113	0.00
23	I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	102	0.00
24	T	Pyrene	50.000	51.498	-3.0	110	0.00
25	S	Terphenyl-d14 (Surr)	50.000	50.796	-1.6	103	0.00
26	T	Benz(a)anthracene	50.000	51.774	-3.5	110	0.00
27	T	Chrysene	50.000	48.731	2.5	100	0.00
28	I	Perylene-d12 (ISTD)	100.000	100.000	0.0	104	0.00
29	T	Benzo(b)fluoranthene	50.000	52.838	-5.7	113	0.00
30	T	Benzo(k)fluoranthene	50.000	52.133	-4.3	108	0.00
31	T	Benzo(b+k)fluoranthene	100.000	103.280	-3.3	109	0.00
32	T	Benzo(e)pyrene	50.000	51.310	-2.6	110	0.00
33	T	Benzo(a)pyrene	50.000	56.380	-12.8	110	0.00
34	T	Perylene	50.000	53.513	-7.0	103	0.00
35	I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	99	0.00
36	T	Indeno(1,2,3-cd)Pyrene	50.000	51.890	-3.8	104	0.00
37	T	Dibenz(a,h)anthracene	50.000	49.854	0.3	99	0.00
38	T	Benzo(g,h,i)perylene	50.000	53.662	-7.3	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132002.D
Acq On : 13 Apr 2020 08:40 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 13:23:21 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

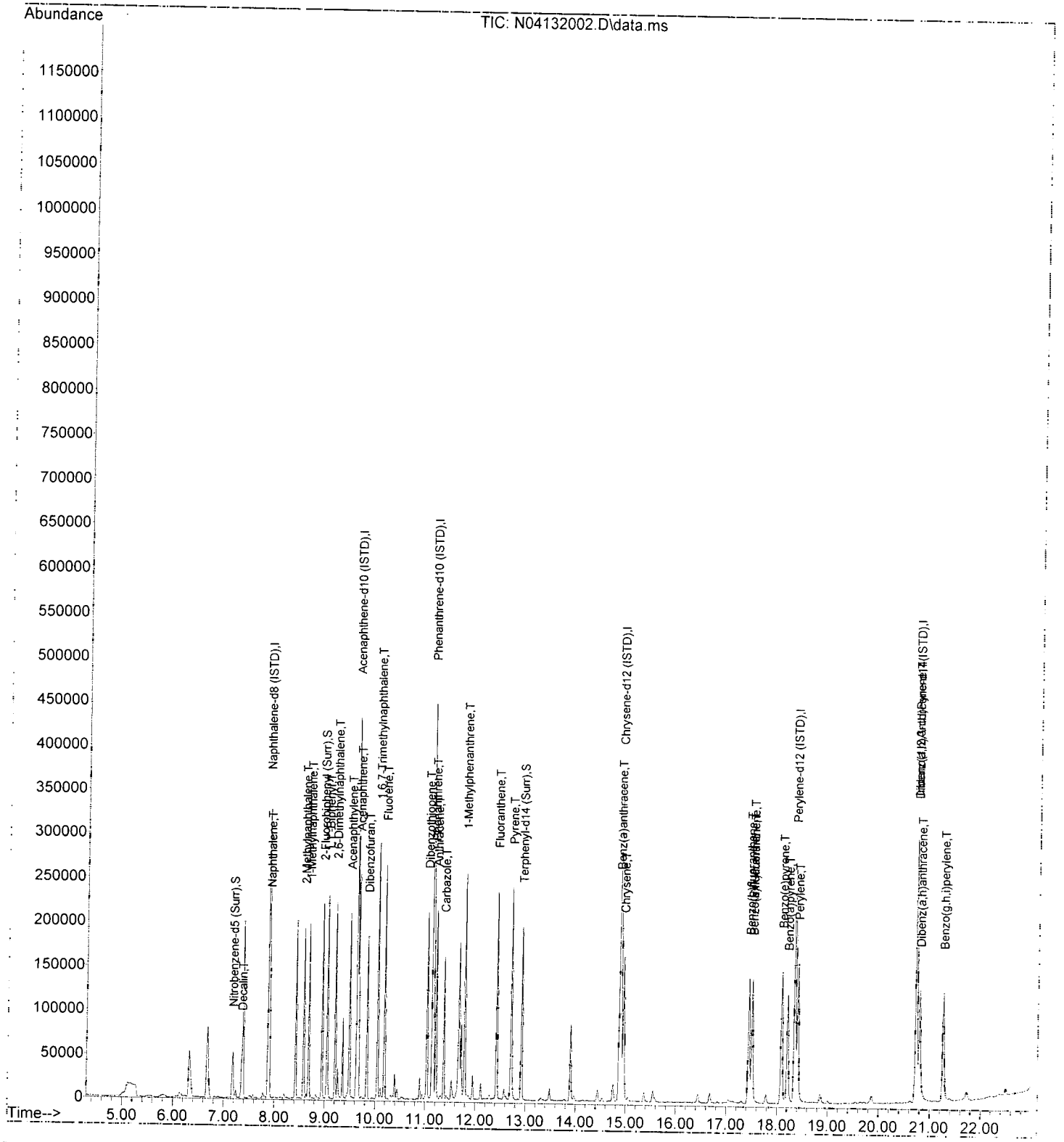
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.877	136	225671	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	134953	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.136	188	252632	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	243182	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	241609	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.735	292	188577	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.178	82	34042	48.29	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	106465	50.96	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	119354	50.80	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.359	138	7560	41.90	ng/ml	82
4) Naphthalene	7.901	128	121303	49.35	ng/ml	99
5) 2-Methylnaphthalene	8.583	142	80568	48.82	ng/ml	97
6) 1-Methylnaphthalene	8.682	142	80891	49.36	ng/ml	97
7) 1,1'-Biphenyl	9.049	154	110165	52.96	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.206	156	75790	53.11	ng/ml	99
11) Acenaphthylene	9.492	152	136836	54.38	ng/ml	99
12) Acenaphthene	9.667	153	93055	50.41	ng/ml	99
13) Dibenzofuran	9.842	168	119248	53.37	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	10.051	170	78743	54.44	ng/ml	99
15) Fluorene	10.186	166	94810	53.42	ng/ml	99
17) Dibenzothiopene	11.037	184	130544	51.13	ng/ml	94
18) Phenanthrene	11.165	178	142624	49.05	ng/ml	99
19) Anthracene	11.211	178	131152	55.07	ng/ml	99
20) Carbazole	11.369	167	103105	50.15	ng/ml	98
21) 1-Methylphenanthrene	11.788	192	105148	53.62	ng/ml	98
22) Fluoranthene	12.424	202	157215	54.86	ng/ml	95
24) Pyrene	12.715	202	162435	51.50	ng/ml	99
26) Benz(a)anthracene	14.872	228	130567	51.77	ng/ml	100
27) Chrysene	14.953	228	126394	48.73	ng/ml	100
29) Benzo(b)fluoranthene	17.448	252	131972	52.84	ng/ml	92
30) Benzo(k)fluoranthene	17.512	252	129809	52.13	ng/ml	92
31) Benzo(b+k)fluoranthene	17.512	252	271258	103.28	ng/ml	92
32) Benzo(e)pyrene	18.095	252	134005	51.31	ng/ml	97
33) Benzo(a)pyrene	18.212	252	113059	56.38	ng/ml	96
34) Perylene	18.410	252	143908	53.51	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.730	276	106295	51.89	ng/ml	78
37) Dibenz(a,h)anthracene	20.799	278	102978	49.85	ng/ml	79
38) Benzo(g,h,i)perylene	21.266	276	117916	53.66	ng/ml	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132002.D
Acq On : 13 Apr 2020 08:40 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 13:23:21 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132003.D
Acq On : 13 Apr 2020 09:12 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 13 13:24:03 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

Q-06 INCORRECT AMT. OF ISTD

AMS 4/13/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.883	136	3649181	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.643	162	2189608	100.00	ng/ml	0.01
16) Phenanthrene-d10 (ISTD)	11.147	188	4130605	100.00	ng/ml	0.01
23) Chrysene-d12 (ISTD)	14.924	240	4411609	100.00	ng/ml	0.03
28) Perylene-d12 (ISTD)	18.398	264	4814554	100.00	ng/ml	0.05
35) Dibenz(a,h)Anthrcene-d...	20.776	292	3915341	100.00	ng/ml	0.05
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml	
10) 2-Fluorobiphenyl (Surr)	9.008	172	180	0.01	ng/ml	0.06
25) Terphenyl-d14 (Surr)	12.919	244	247	0.01	ng/ml	0.00

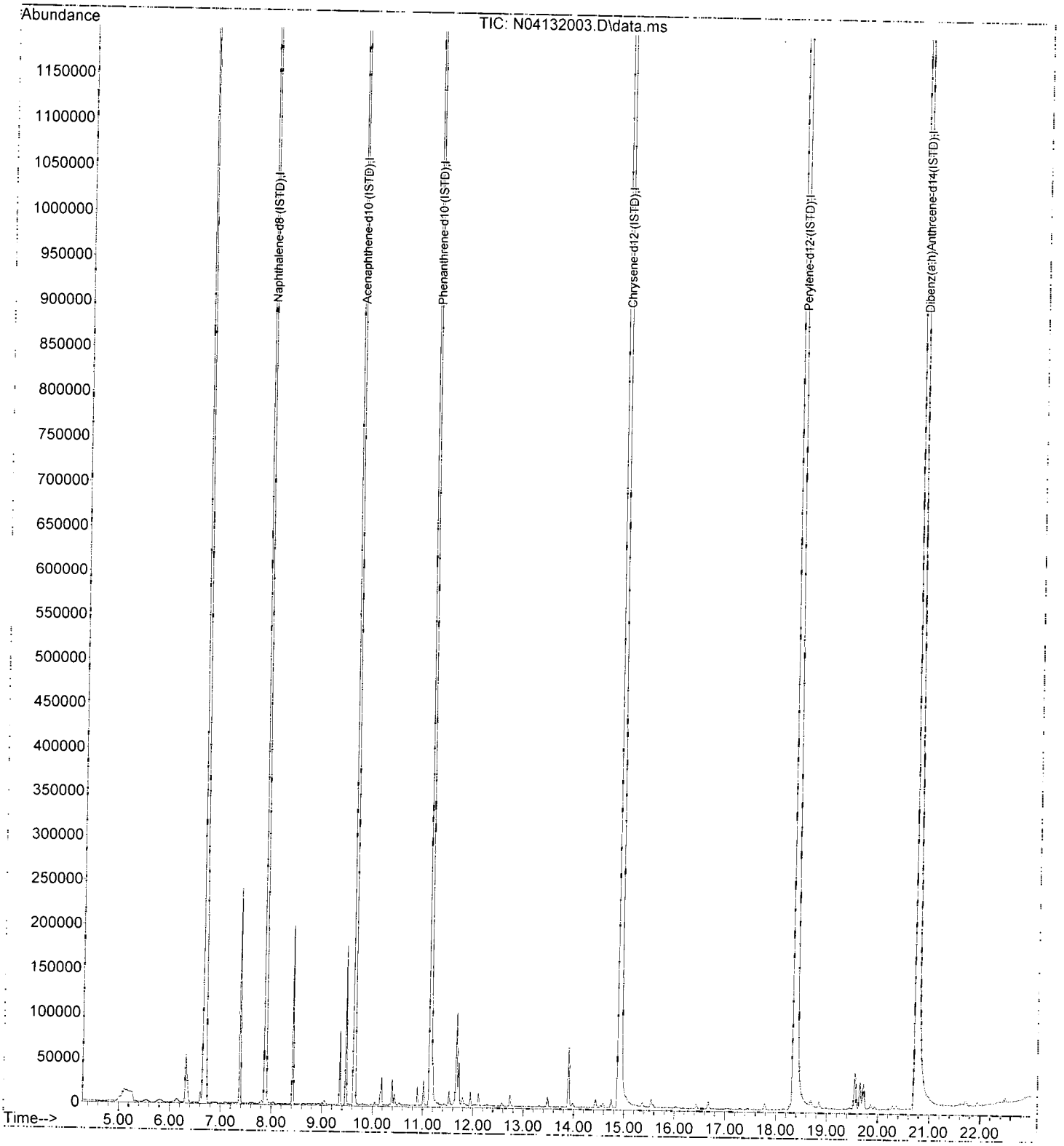
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.901	128	435	N.D.		
5) 2-Methylnaphthalene	0.000		0	N.D.		
6) 1-Methylnaphthalene	0.000		0	N.D.		
7) 1,1'-Biphenyl	9.049	154	166	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	9.486	152	103	N.D.		
12) Acenaphthene	9.643	153	490	N.D.		
13) Dibenzofuran	9.836	168	125	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	0.000		0	N.D.		
17) Dibenzothiopene	11.036	184	210	N.D.		
18) Phenanthrene	11.147	178	2119	N.D.		
19) Anthracene	11.217	178	93	N.D.		
20) Carbazole	11.375	167	60	N.D.		
21) 1-Methylphenanthrene	11.736	192	57	N.D.		
22) Fluoranthene	12.424	202	285	N.D.		
24) Pyrene	12.709	202	224	N.D.		
26) Benz(a)anthracene	14.924	228	11098	N.D.		
27) Chrysene	14.924	228	9547	N.D.		
29) Benzo(b)fluoranthene	17.500	252	128	N.D.		
30) Benzo(k)fluoranthene	17.500	252	128	N.D.		
31) Benzo(b+k)fluoranthene	17.442	252	328	N.D.		
32) Benzo(e)pyrene	18.089	252	185	N.D.		
33) Benzo(a)pyrene	18.206	252	94	N.D.		
34) Perylene	18.398	252	16577	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.776	276	1971	N.D.		
37) Dibenz(a,h)anthracene	20.811	278	156	N.D.		
38) Benzo(g,h,i)perylene	21.266	276	79	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132003.D
Acq On : 13 Apr 2020 09:12 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 13 13:24:03 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132004.D
Acq On : 13 Apr 2020 09:44 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCB2
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

AMS 4/13/20

Quant Time: Apr 13 13:24:08 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

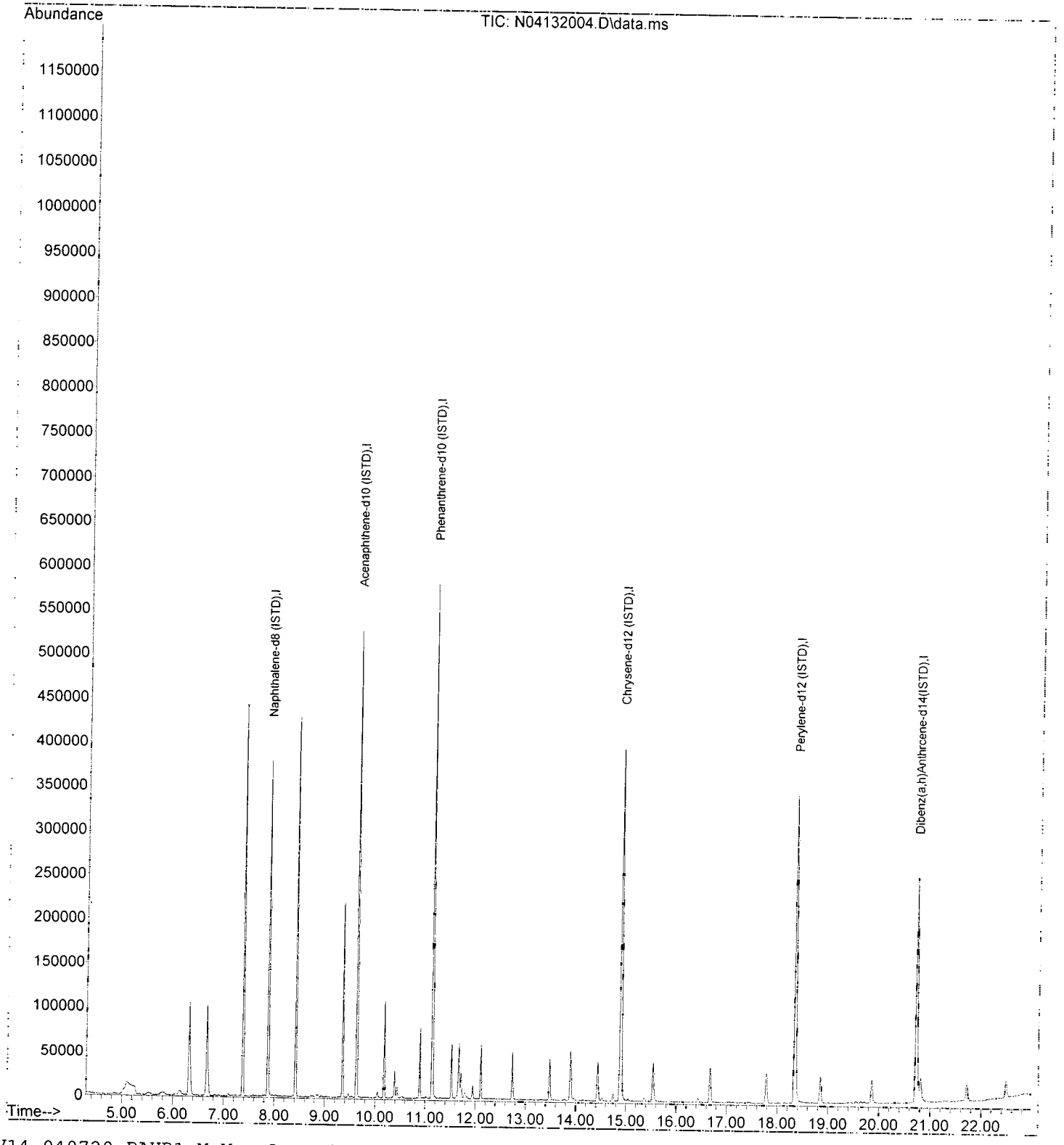
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.877	136	261439	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	159304	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.136	188	315835	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	319199	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	306800	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.730	292	260276	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.178	82	102	0.12	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.944	172	222	0.09	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	394	0.13	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.901	128	246	N.D.		
5) 2-Methylnaphthalene	8.583	142	55	N.D.		
6) 1-Methylnaphthalene	0.000		0	N.D.		
7) 1,1'-Biphenyl	9.049	154	105	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	9.486	152	51	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	0.000		0	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	0.000		0	N.D.		
17) Dibenzothiopene	0.000		0	N.D.		
18) Phenanthrene	11.159	178	247	N.D.		
19) Anthracene	11.252	178	59	N.D.		
20) Carbazole	11.363	167	60	N.D.		
21) 1-Methylphenanthrene	0.000		0	N.D.		
22) Fluoranthene	12.424	202	91	N.D.		
24) Pyrene	12.709	202	51	N.D.		
26) Benz(a)anthracene	14.895	228	859	N.D.		
27) Chrysene	14.953	228	95	N.D.		
29) Benzo(b)fluoranthene	17.448	252	52	N.D.		
30) Benzo(k)fluoranthene	17.448	252	52	N.D.		
31) Benzo(b+k)fluoranthene	17.448	252	52	N.D.		
32) Benzo(e)pyrene	18.346	252	892	N.D.		
33) Benzo(a)pyrene	0.000		0	N.D.		
34) Perylene	18.410	252	77	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.730	276	86	N.D.		
37) Dibenz(a,h)anthracene	0.000		0	N.D.		
38) Benzo(g,h,i)perylene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132004.D
Acq On : 13 Apr 2020 09:44 am
Operator : JK/ AMS/ DTH
Sample : 0D13031-CCB2
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 13 13:24:08 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132015.D
Acq On : 13 Apr 2020 03:37 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-03
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

AMS 4/14/20

Quant Time: Apr 13 16:31:18 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

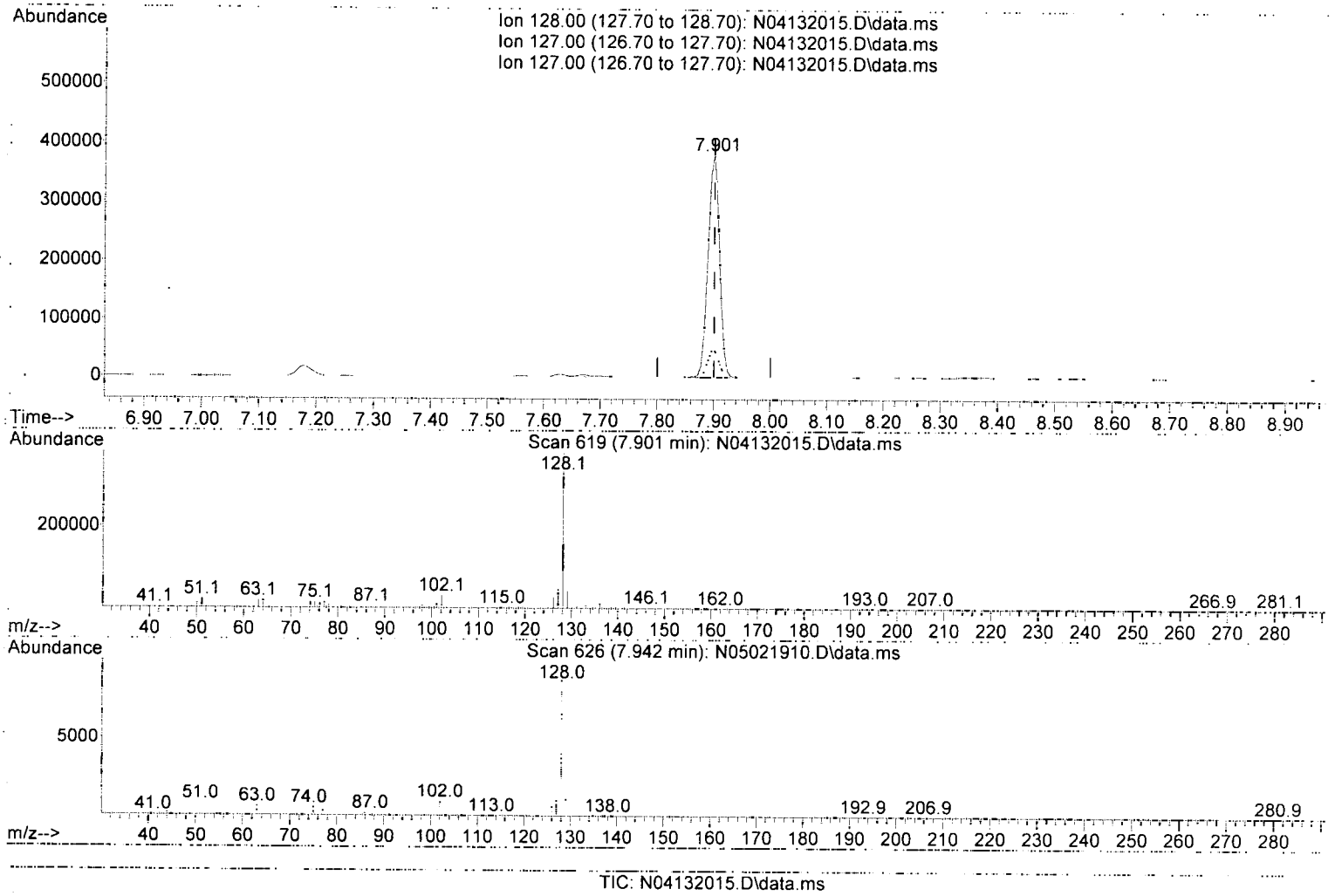
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.877	136	278887	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.632	162	176194	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.136	188	321761	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.895	240	309077	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.351	264	316820	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.735	292	255018	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.178	82	56939	65.36	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.944	172	197503	72.40	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.919	244	229124	76.72	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.417	138	83	N.D.		
4) Naphthalene	7.901	128	536634	176.66	ng/ml	99
5) 2-Methylnaphthalene	8.583	142	28698	14.07	ng/ml	98
6) 1-Methylnaphthalene	8.682	142	304478	150.35	ng/ml	97
7) 1,1'-Biphenyl	9.049	154	1245	0.48	ng/ml#	51
8) 2,6-Dimethylnaphthalene	9.212	156	1332	0.76	ng/ml	80
11) Acenaphthylene	9.492	152	5226	1.59	ng/ml	82
12) Acenaphthene	9.667	153	111492	46.26	ng/ml	99
13) Dibenzofuran	9.836	168	963	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.040	170	1562	0.83	ng/ml#	67
15) Fluorene	10.185	166	1562	0.67	ng/ml	91
17) Dibenzothiopene	11.031	184	964	N.D.		
18) Phenanthrene	11.159	178	6483	1.75	ng/ml	93
19) Anthracene	11.211	178	889	N.D.		
20) Carbazole	11.375	167	649	N.D.		
21) 1-Methylphenanthrene	11.783	192	1360	0.54	ng/ml	74
22) Fluoranthene	12.424	202	5043	1.38	ng/ml	96
24) Pyrene	12.715	202	6020	1.50	ng/ml	97
26) Benz(a)anthracene	14.878	228	1981	0.62	ng/ml	80
27) Chrysene	14.953	228	1700	0.52	ng/ml	88
29) Benzo(b)fluoranthene	17.442	252	1833	0.56	ng/ml	75
30) Benzo(k)fluoranthene	17.442	252	2369	0.73	ng/ml	78
31) Benzo(b+k)fluoranthene	17.442	252	2849	0.83	ng/ml	78
32) Benzo(e)pyrene	18.095	252	1080	N.D.		
33) Benzo(a)pyrene	18.212	252	801	0.62	ng/ml#	1
34) Perylene	18.410	252	79640	22.58	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.729	276	838	N.D.		
37) Dibenz(a,h)anthracene	20.794	278	334	N.D.		
38) Benzo(g,h,i)perylene	21.260	276	991	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132015.D
Acq On : 13 Apr 2020 03:37 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-03
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 16:31:18 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N04132015.D\data.ms

(4) Naphthalene (T)

7.901min (+ 0.000) 176.66 ng/ml

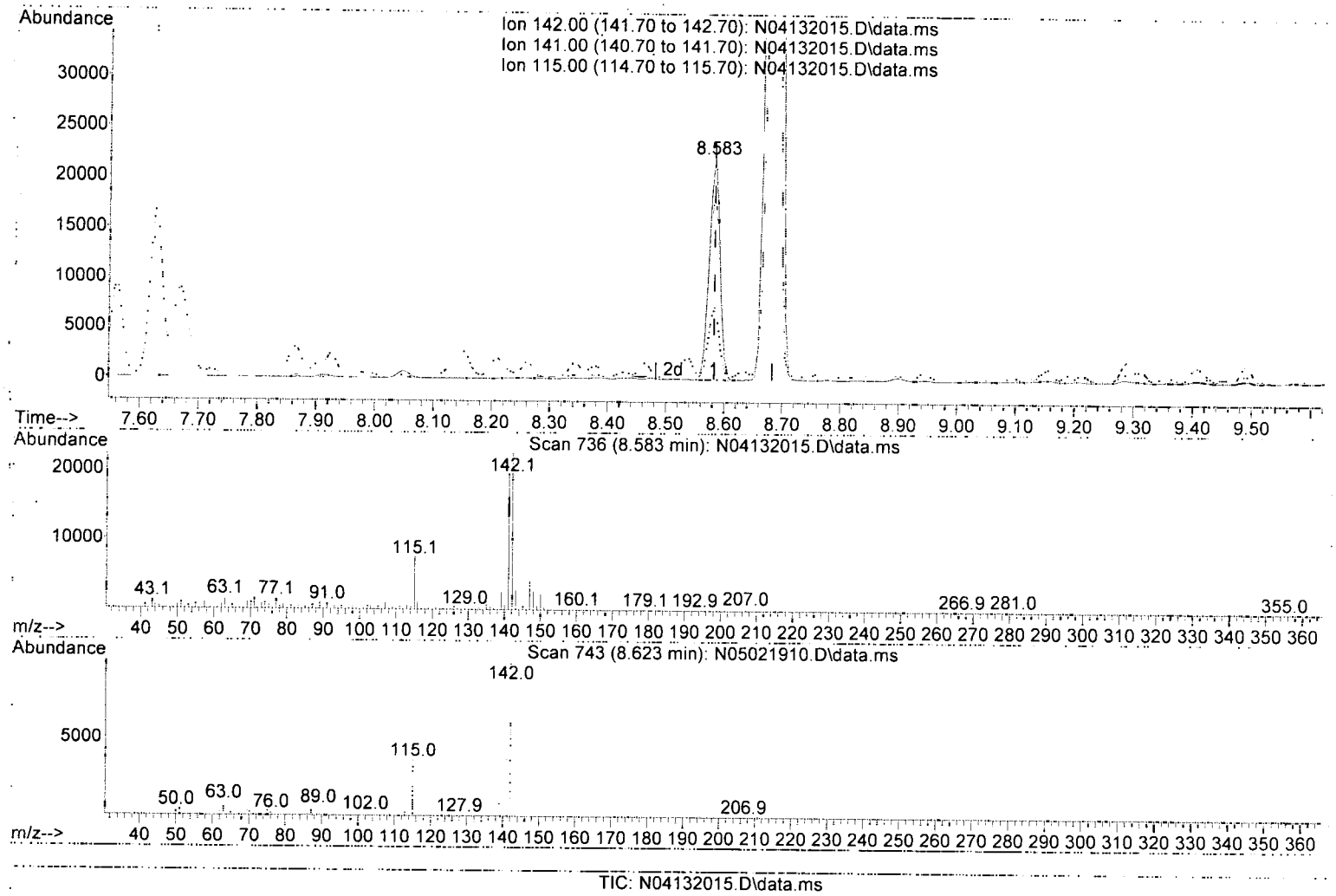
response 536634

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.84
127.00	12.60	12.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132015.D
Acq On : 13 Apr 2020 03:37 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-03
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 16:31:18 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N04132015.D\data.ms

(5) 2-Methylnaphthalene (T)

8.583min (+ 0.000) 14.07 ng/ml

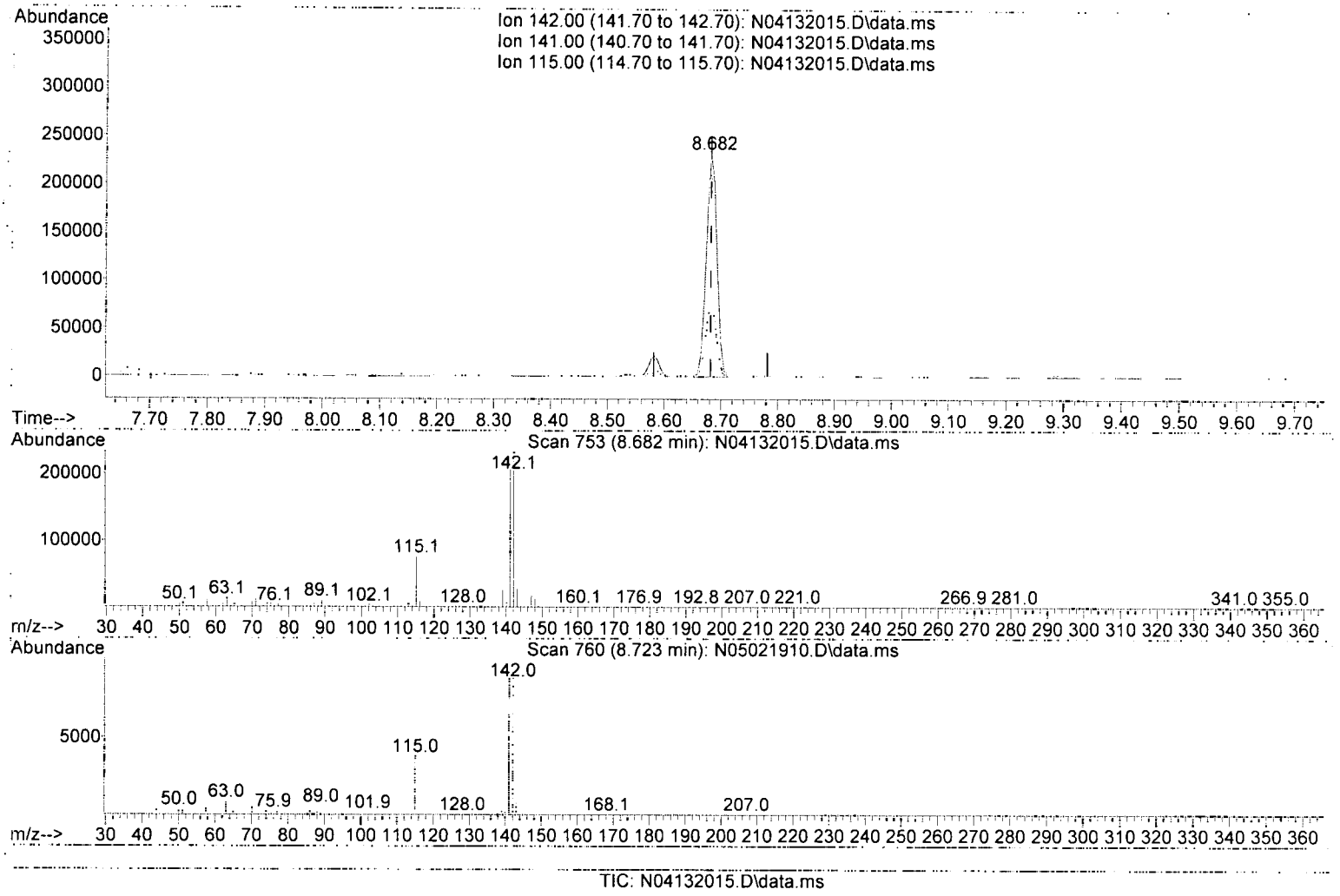
response 28698

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.24
115.00	35.70	32.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132015.D
Acq On : 13 Apr 2020 03:37 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-03
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 16:31:18 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N04132015.D\data.ms

(6) 1-Methylnaphthalene (T)

8.682min (+ 0.000) 150.35 ng/ml

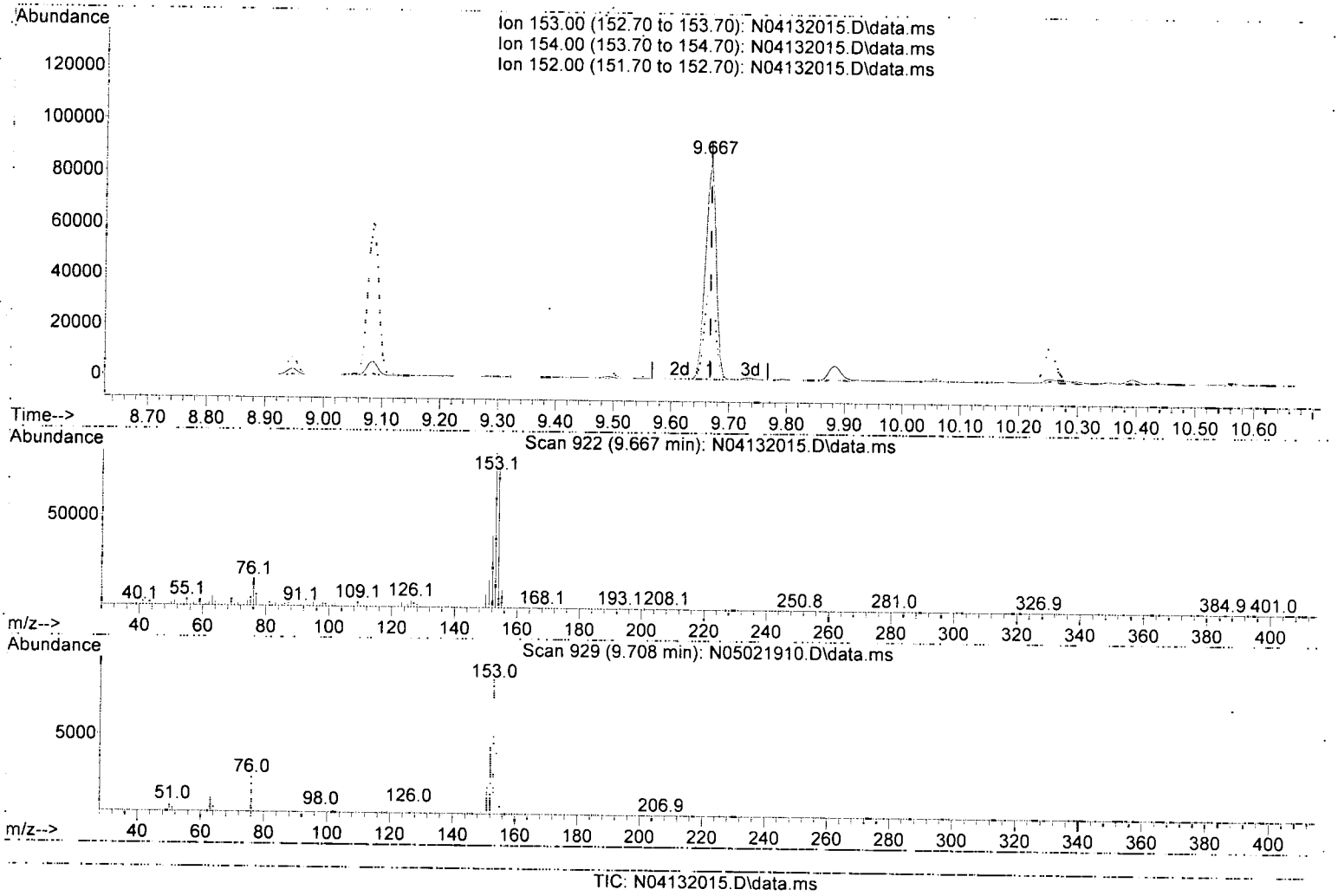
response 304478

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	90.70	90.88
115.00	37.80	32.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132015.D
Acq On : 13 Apr 2020 03:37 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-03
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 13 16:31:18 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



(12) Acenaphthene (T)

9.667min (+ 0.000) 46.26 ng/ml

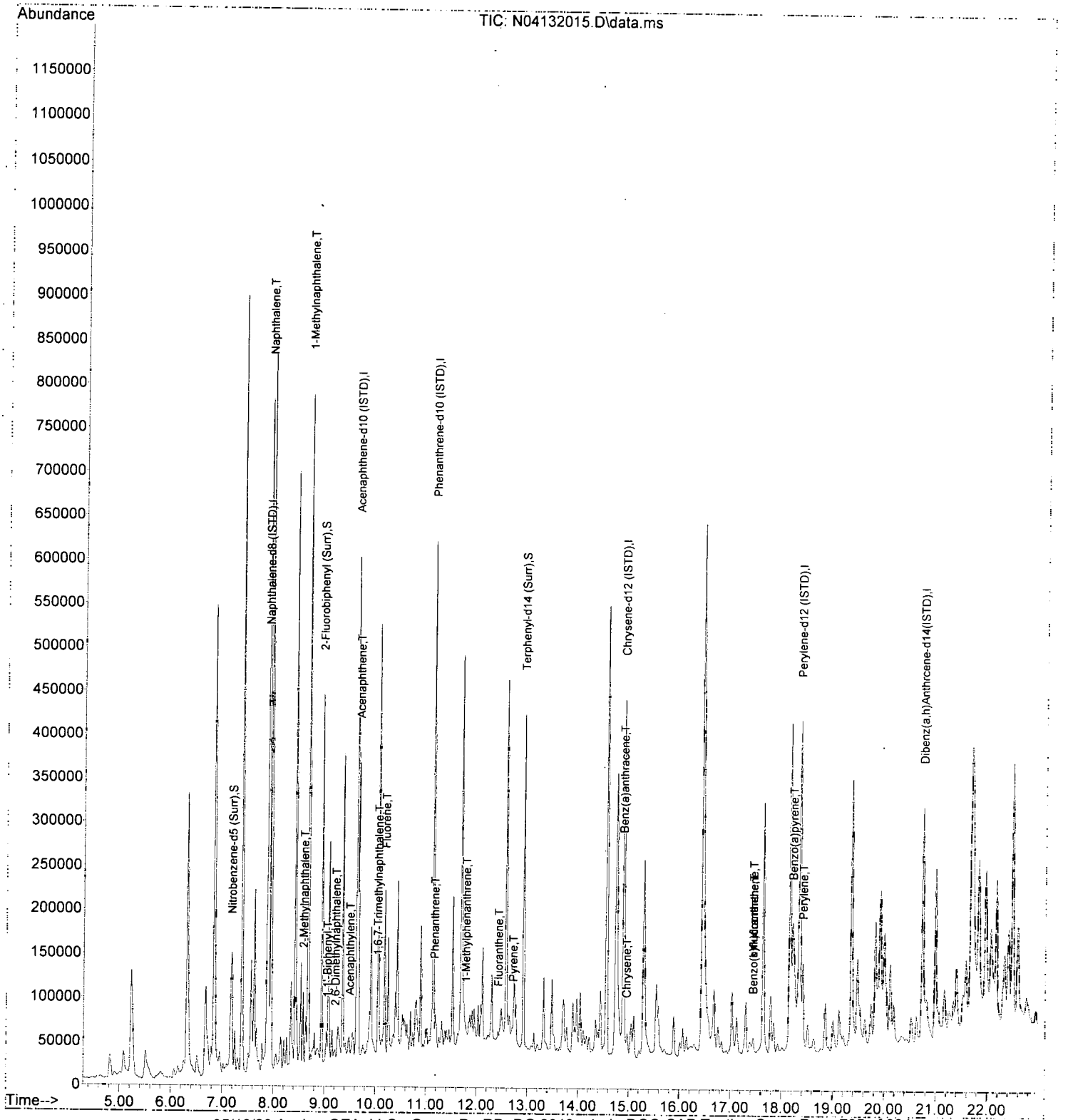
response 111492

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	91.38
152.00	46.80	46.42
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132015.D
Acq On : 13 Apr 2020 03:37 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-03
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 13 16:31:18 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132021.D
Acq On : 13 Apr 2020 07:28 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

AMS 4/14/20

Quant Time: Apr 14 07:28:23 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

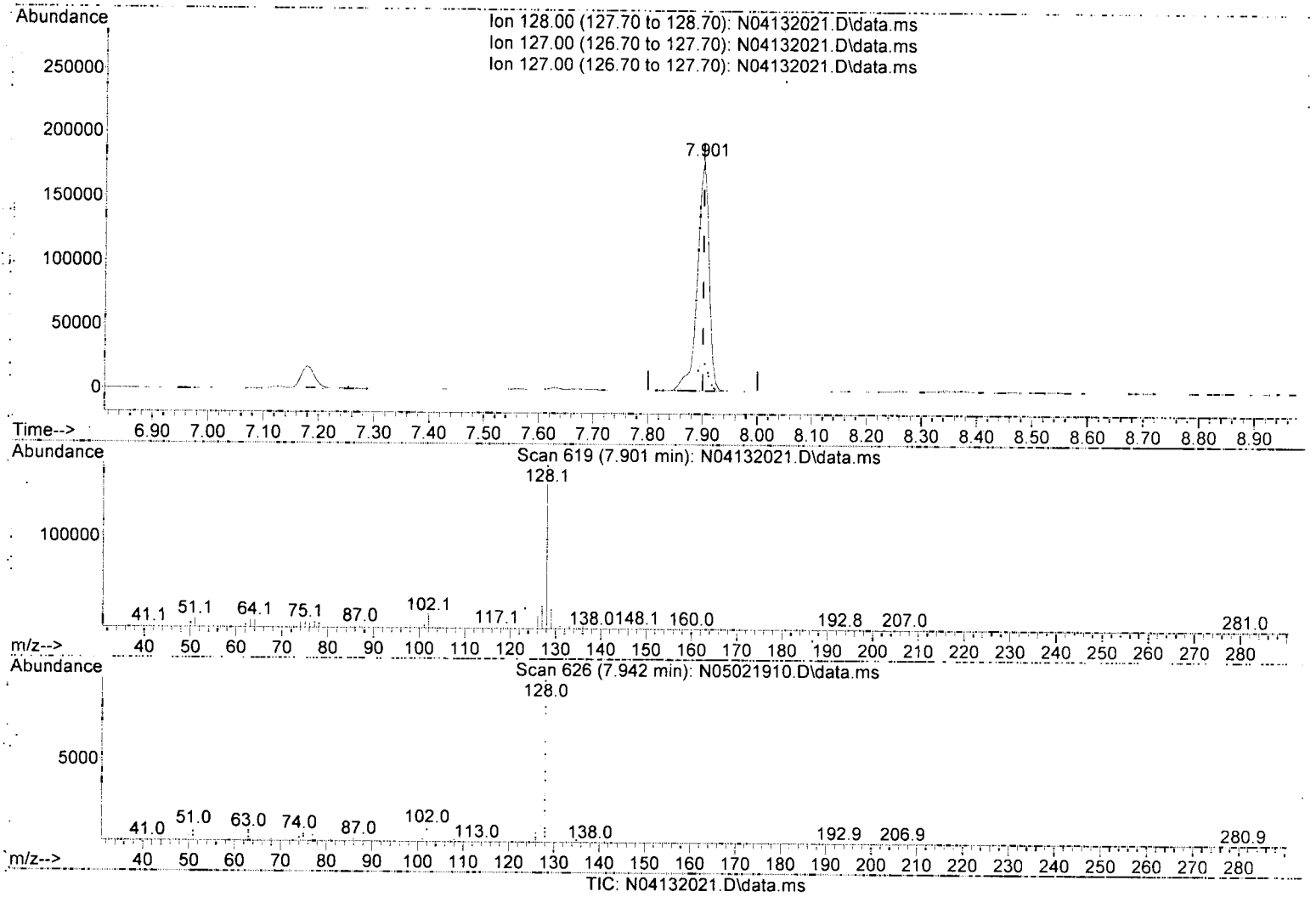
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.877	136	301964	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.638	162	183796	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.142	188	349165	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.901	240	350164	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.363	264	359667	100.00	ng/ml	0.01
35) Dibenz(a,h)Anthrcene-d...	20.741	292	295572	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.178	82	54852	58.15	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	192658	67.71	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.925	244	237776	70.28	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.353	138	145	0.60	ng/ml#	39
4) Naphthalene	7.901	128	266557	81.05	ng/ml	98
5) 2-Methylnaphthalene	8.583	142	40610	18.39	ng/ml	98
6) 1-Methylnaphthalene	8.682	142	177224	80.83	ng/ml	97
7) 1,1'-Biphenyl	9.049	154	2405	0.86	ng/ml	90
8) 2,6-Dimethylnaphthalene	9.212	156	10351	5.42	ng/ml	96
11) Acenaphthylene	9.492	152	8520	2.49	ng/ml	83
12) Acenaphthene	9.667	153	215760	85.82	ng/ml	100
13) Dibenzofuran	9.842	168	4812	1.58	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	10.046	170	3856	1.96	ng/ml	75
15) Fluorene	10.186	166	31634	13.09	ng/ml	98
17) Dibenzothiopene	11.037	184	10005	2.84	ng/ml	99
18) Phenanthrene	11.165	178	52671	13.11	ng/ml	98
19) Anthracene	11.217	178	3829	1.16	ng/ml	88
20) Carbazole	11.375	167	6398	2.25	ng/ml	96
21) 1-Methylphenanthrene	11.823	192	102	N.D.		
22) Fluoranthene	12.430	202	3652	0.92	ng/ml	95
24) Pyrene	12.715	202	4722	1.04	ng/ml	94
26) Benz(a)anthracene	14.883	228	2222	0.61	ng/ml	70
27) Chrysene	14.959	228	1244	N.D.		
29) Benzo(b)fluoranthene	17.460	252	1597	0.43	ng/ml	75
30) Benzo(k)fluoranthene	17.460	252	2273	0.61	ng/ml	78
31) Benzo(b+k)fluoranthene	17.460	252	2573	0.66	ng/ml	78
32) Benzo(e)pyrene	18.101	252	1130	N.D.		
33) Benzo(a)pyrene	18.217	252	1138	0.70	ng/ml#	1
34) Perylene	18.421	252	176980	44.21	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.741	276	998	N.D.		
37) Dibenz(a,h)anthracene	20.800	278	425	N.D.		
38) Benzo(g,h,i)perylene	21.272	276	1149	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132021.D
Acq On : 13 Apr 2020 07:28 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 14 07:28:23 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(4) Naphthalene (T)

7.901min (+ 0.000) 81.05 ng/ml

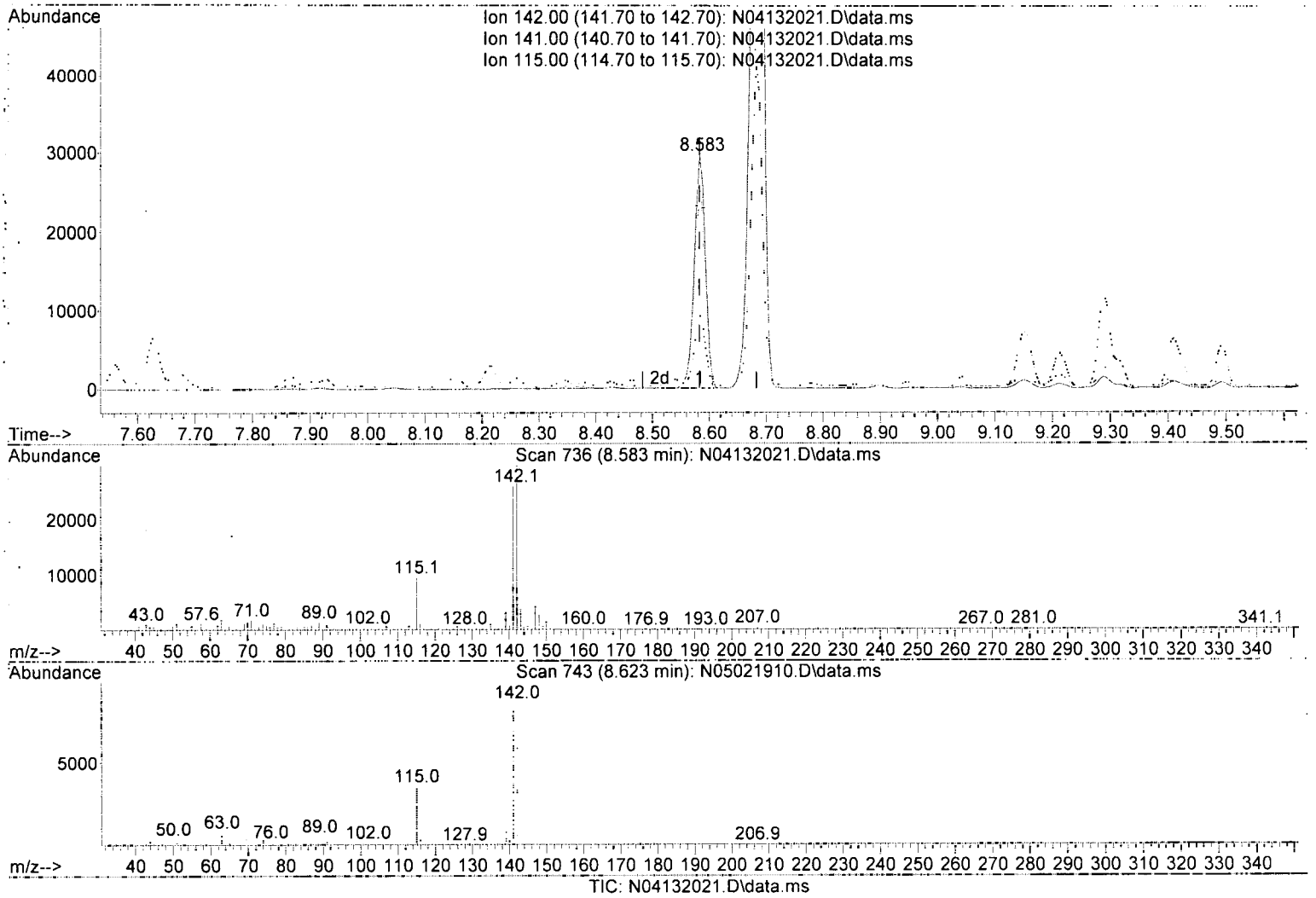
response 266557

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.24
127.00	12.60	13.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132021.D
Acq On : 13 Apr 2020 07:28 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 14 07:28:23 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

8.583min (+ 0.000) 18.39 ng/ml

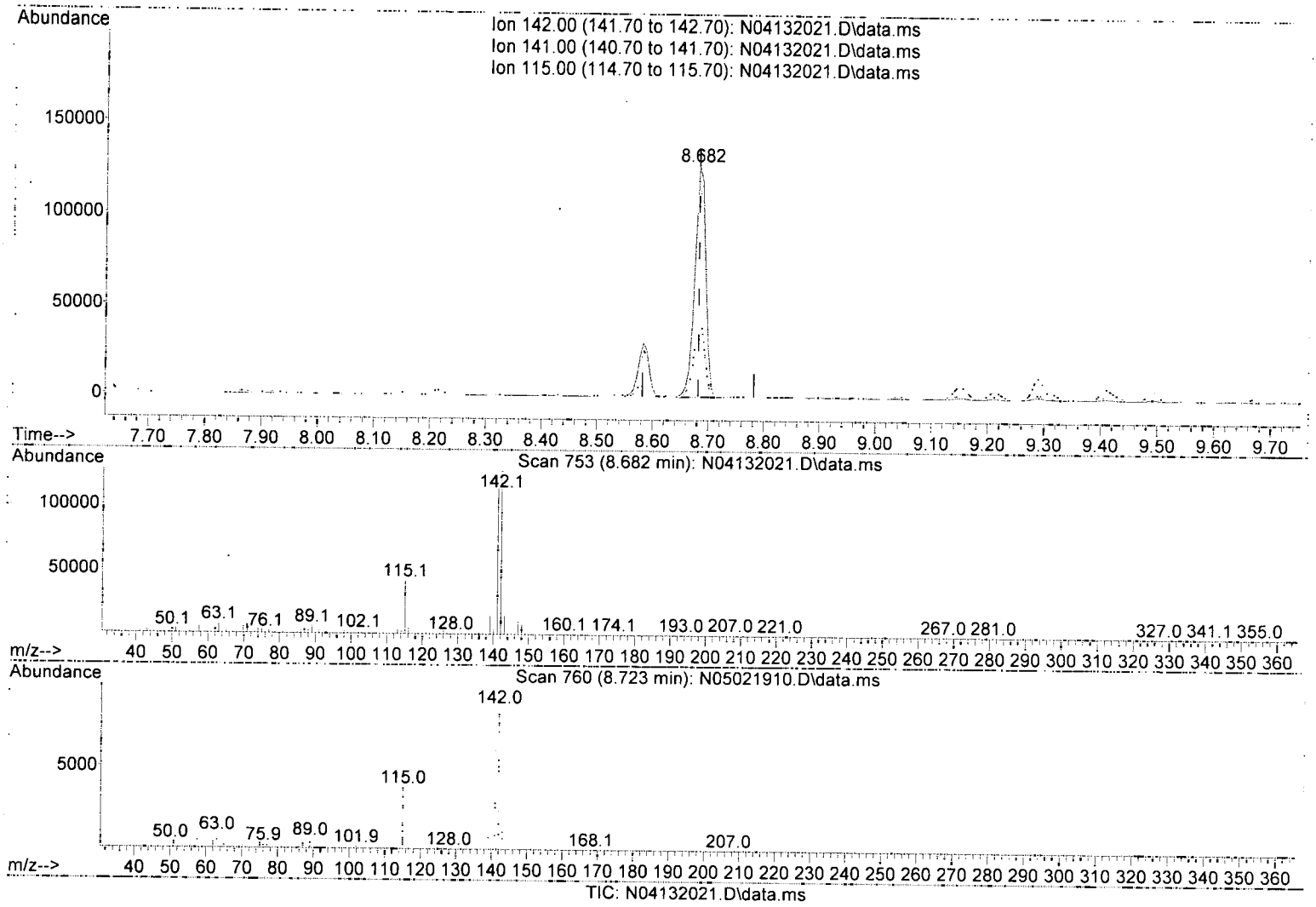
response 40610

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.24
115.00	35.70	32.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132021.D
Acq On : 13 Apr 2020 07:28 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 14 07:28:23 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(6) 1-Methylnaphthalene (T)

8.682min (+ 0.000) 80.83 ng/ml

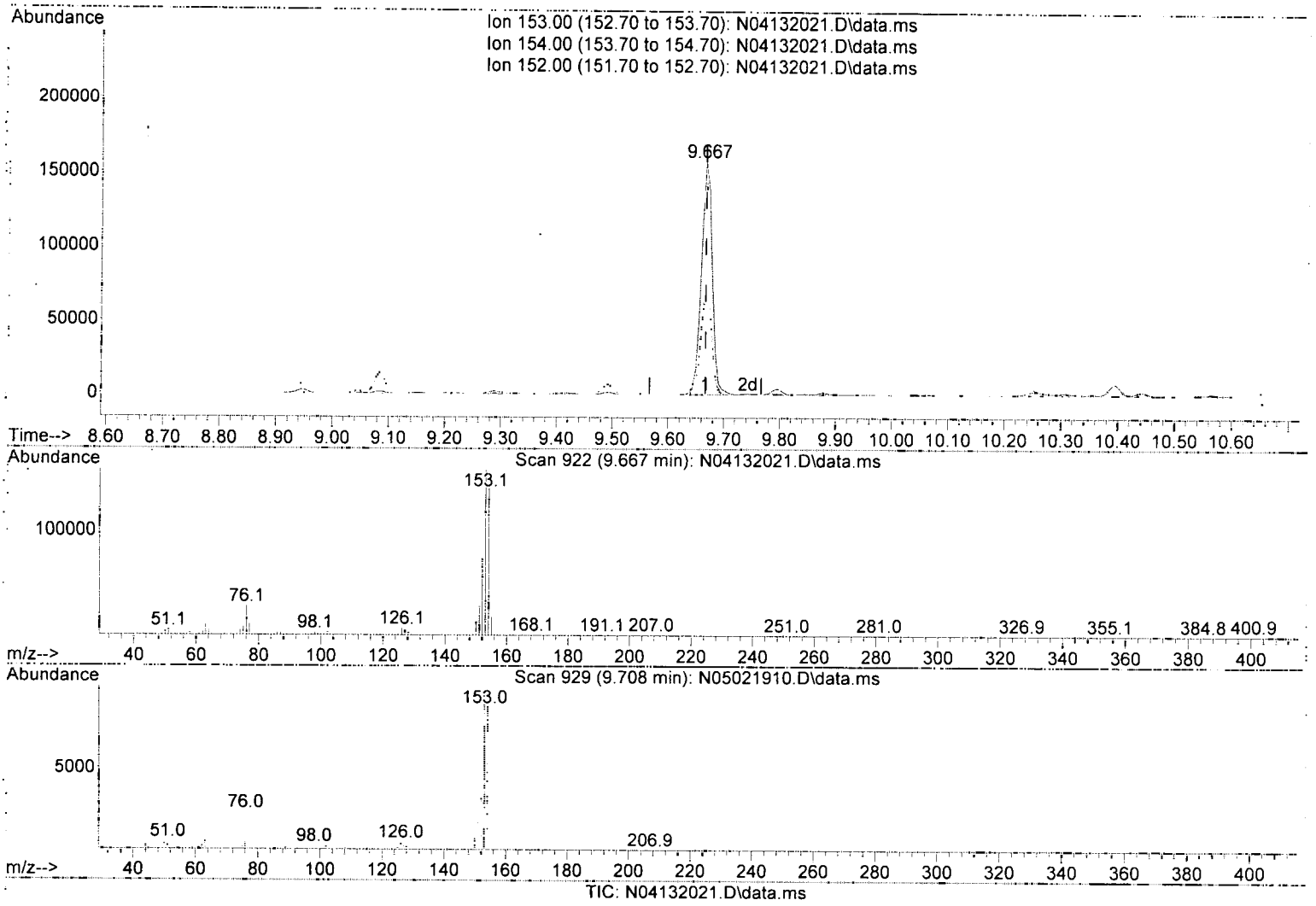
response 177224

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	90.70	90.46
115.00	37.80	32.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132021.D
Acq On : 13 Apr 2020 07:28 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 14 07:28:23 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(12) Acenaphthene (T)

9.667min (+ 0.000) 85.82 ng/ml

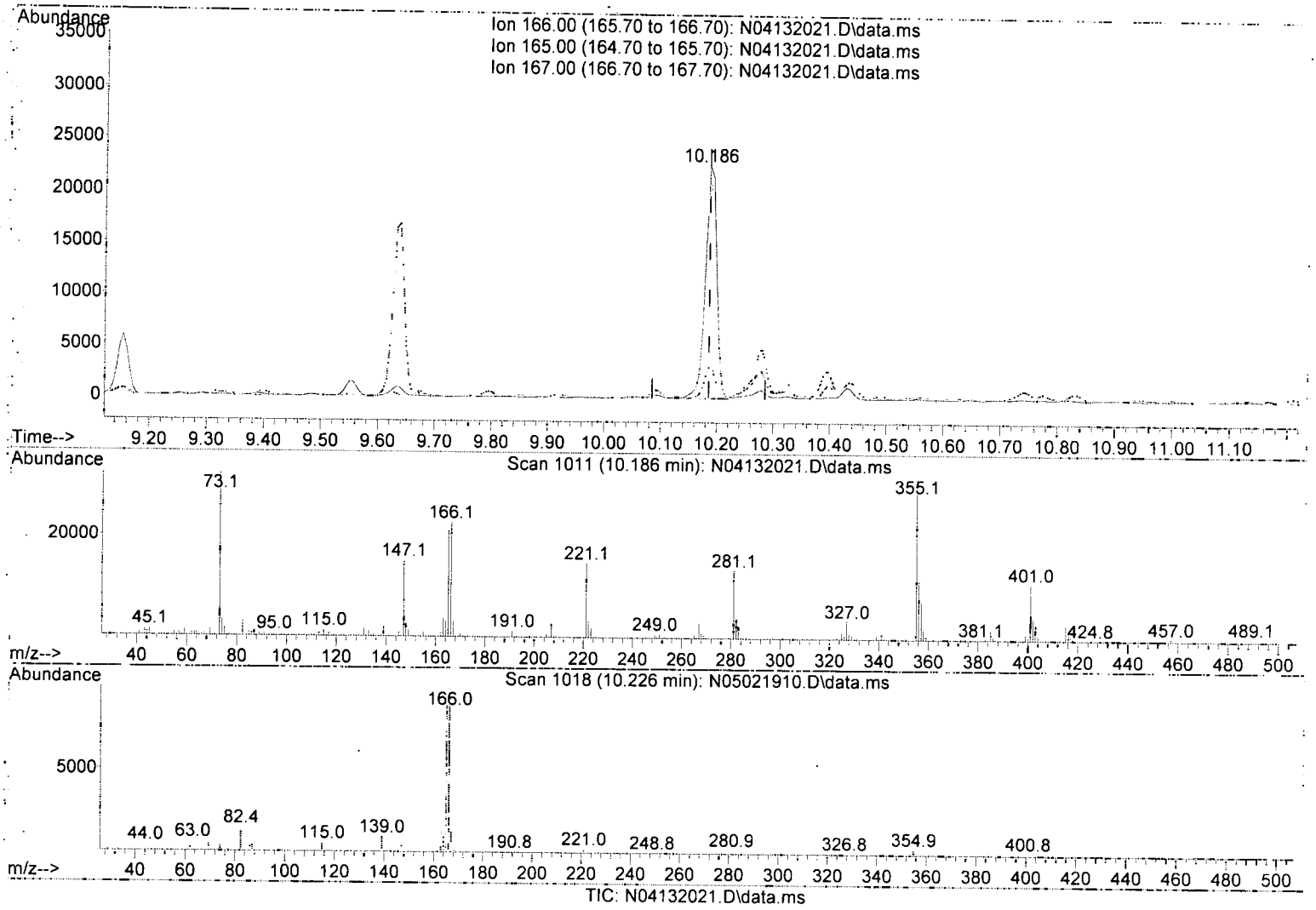
response 215760

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	91.05
152.00	46.80	46.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132021.D
Acq On : 13 Apr 2020 07:28 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 14 07:28:23 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(15) Fluorene (T)

10.186min (+ 0.000) 13.09 ng/ml

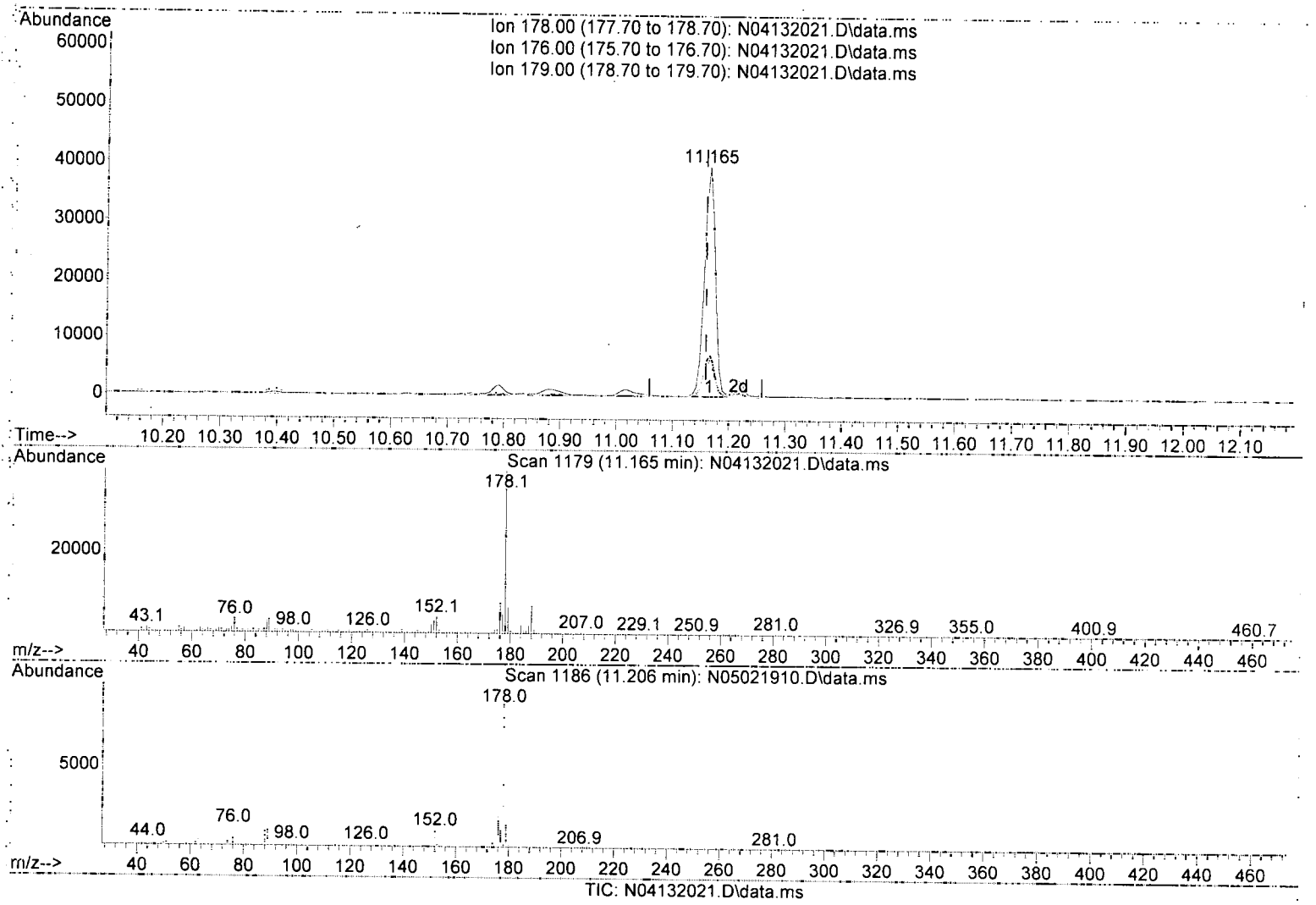
response 31634

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	93.51
167.00	13.60	13.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132021.D
Acq On : 13 Apr 2020 07:28 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 14 07:28:23 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(18) Phenanthrene (T)

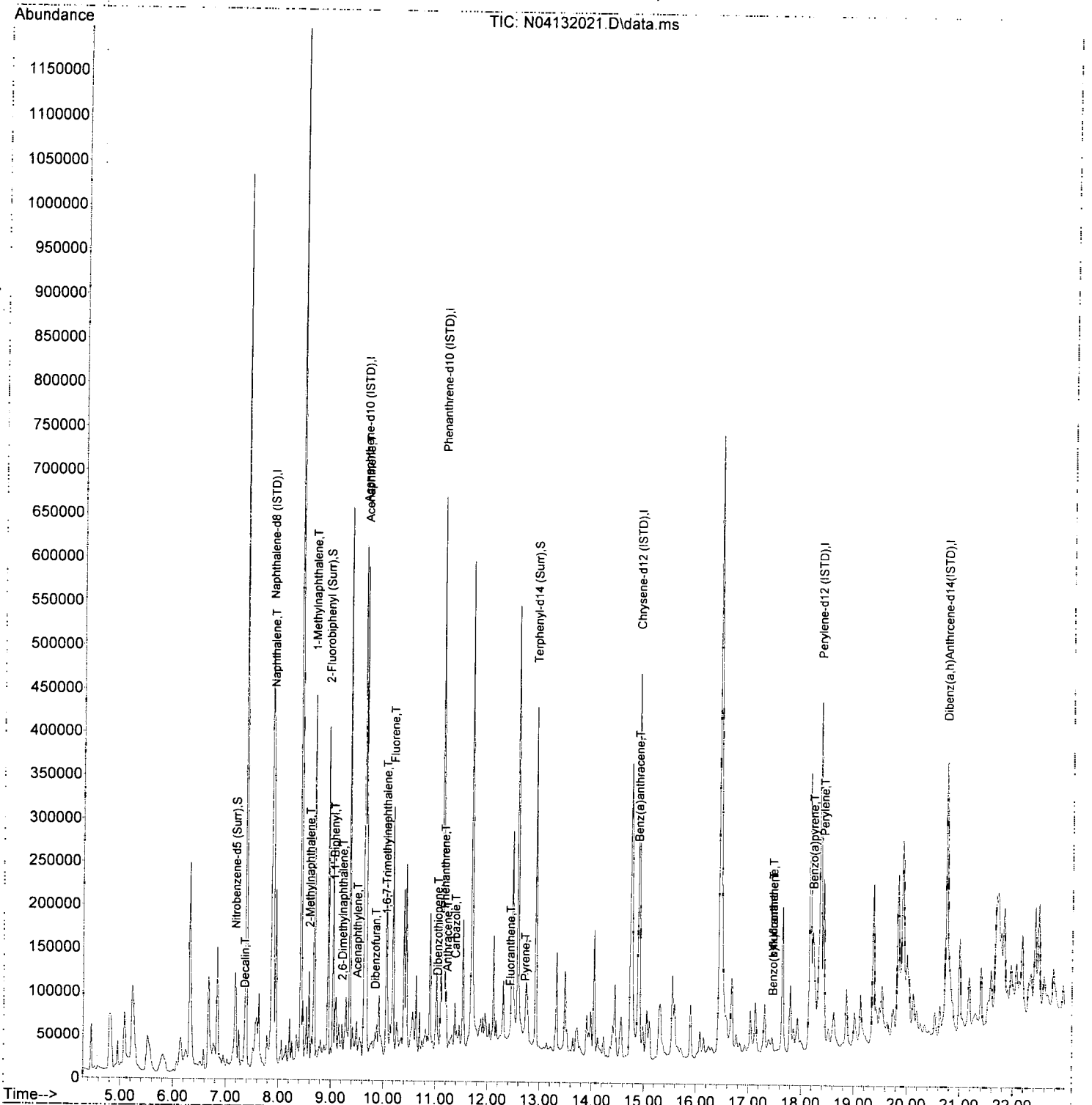
11.165min (+ 0.006) 13.11 ng/ml

response 52671

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.56
179.00	15.10	16.24
0.00	0.00	0.00

Data Path : U:\data\2020-04\0D13031\
Data File : N04132021.D
Acq On : 13 Apr 2020 07:28 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 14 07:28:23 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



No Name Entered Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D13031\
Data File : N04132022.D
Acq On : 13 Apr 2020 07:59 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 21 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

DOES NOT MATCH ORIGINAL Dilution NOT REPORTED

AMS 4/14/20

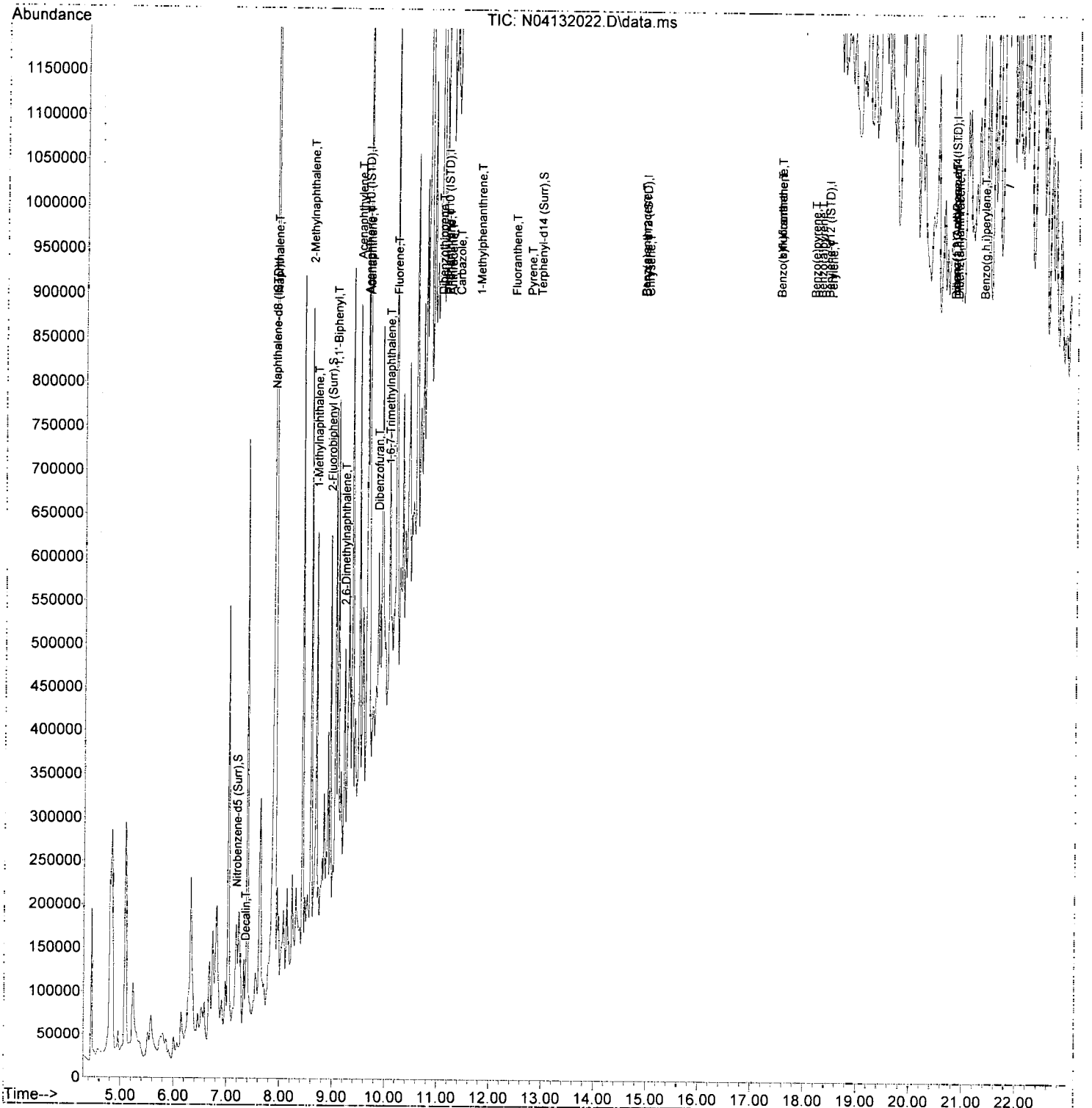
Quant Time: Apr 14 07:28:26 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.883	136	268657	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.638	162	179391	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.147	188	342174	100.00	ng/ml	0.01
23) Chrysene-d12 (ISTD)	14.947	240	339097	100.00	ng/ml	0.05
28) Perylene-d12 (ISTD)	18.421	264	339155	100.00	ng/ml	0.07
35) Dibenz(a,h)Anthrcene-d...	20.799	292	292854	100.00	ng/ml	0.07
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.184	82	48334	57.59	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	201545	72.57	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.942	244	253883	77.49	ng/ml	0.02
Target Compounds						Qvalue
3) Decalin	7.353	138	384	1.79	ng/ml#	1
4) Naphthalene	7.906	128	2125598	726.41	ng/ml	99
5) 2-Methylnaphthalene	8.588	142	287393	146.27	ng/ml	96
6) 1-Methylnaphthalene	8.688	142	190140	97.47	ng/ml	97
7) 1,1'-Biphenyl	9.049	154	153037	61.80	ng/ml	94
8) 2,6-Dimethylnaphthalene	9.218	156	93293	54.91	ng/ml	98
11) Acenaphthylene	9.498	152	360792	107.86	ng/ml	97
12) Acenaphthene	9.673	153	507041	206.63	ng/ml	100
13) Dibenzofuran	9.842	168	87814	29.57	ng/ml	97
14) 1,6,7-Trimethylnaphtha...	10.051	170	33467	17.40	ng/ml	92
15) Fluorene	10.191	166	281131	119.15	ng/ml	99
17) Dibenzothiopene	11.042	184	343579	99.36	ng/ml	96
18) Phenanthrene	11.176	178	2687239	682.29	ng/ml	99
19) Anthracene	11.223	178	544169	168.70	ng/ml	98
20) Carbazole	11.386	167	35510	12.75	ng/ml	61
21) 1-Methylphenanthrene	11.777	192	349096	131.44	ng/ml	66
22) Fluoranthene	12.453	202	2676706	689.57	ng/ml	94
24) Pyrene	12.750	202	3716737	845.05	ng/ml	99
26) Benz(a)anthracene	14.924	228	663987	188.82	ng/ml#	35
27) Chrysene	15.006	228	755709	208.95	ng/ml	94
29) Benzo(b)fluoranthene	17.518	252	931294	265.62	ng/ml	90
30) Benzo(k)fluoranthene	17.518	252	1088950	311.55	ng/ml	88
31) Benzo(b+k)fluoranthene	17.518	252	1241027	336.61	ng/ml	88
32) Benzo(e)pyrene	18.159	252	633019	172.67	ng/ml	99
33) Benzo(a)pyrene	18.287	252	934789	297.90	ng/ml	96
34) Perylene	18.485	252	967217	256.22	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.805	276	694220	218.23	ng/ml	77
37) Dibenz(a,h)anthracene	20.858	278	75968	23.68	ng/ml	94
38) Benzo(g,h,i)perylene	21.353	276	1006677	295.00	ng/ml	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2020-04\0D13031\
Data File : N04132022.D
Acq On : 13 Apr 2020 07:59 pm
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 21 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 14 07:28:26 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration
InstName : SV-GCMS14



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

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

Sequence 0D14032 (A0D0205-04RE3)

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0D14032	Instrument:	SV-GCMS14
Date:	04/14/20 07:59	Calibration:	A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D14032-TUN1	Sediment	QC	QC			A20C067	A20D163
2	0D14032-IBL1	Sediment	QC	QC			A20C067	
3	0D14032-TUN2	Sediment	QC	QC			A20C067	A20D163
4	0D14032-CCV1	Sediment	QC	QC			A20C067	A20C077
5	0D14032-CCB1	Sediment	QC	QC			A20C067	
6	A0D0205-04RE2	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
7	A0D0205-04RE3	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	04/22/20	0040356	A20C067	
8	0D14032-IBL2	Sediment	QC	QC			A20C067	

Data Entered By: AMS 4/14/20

Data Reviewed By: [illegible] 4/14/20

Comments:

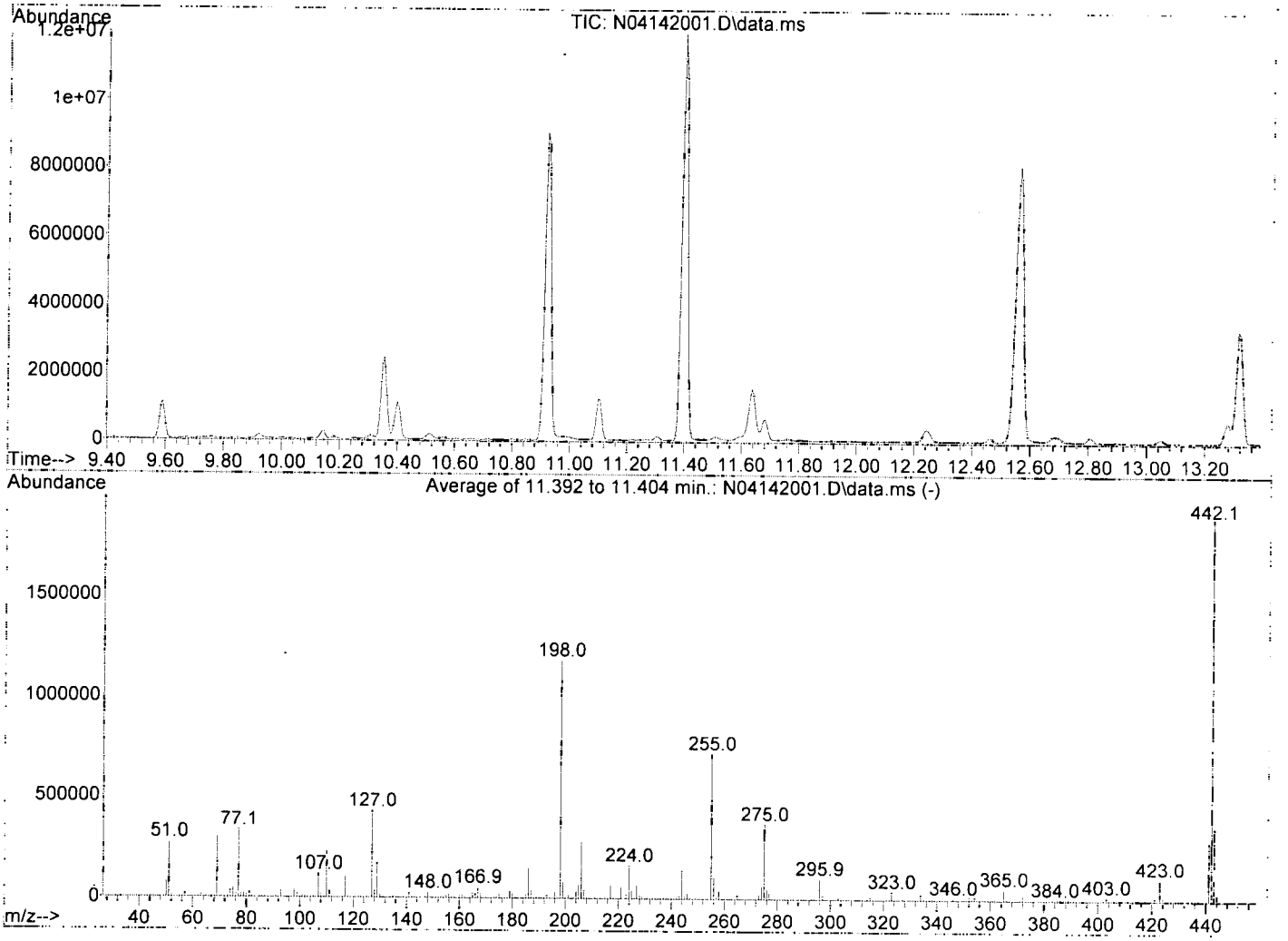
Data Path : U:\data\2020-04\0D14032\
Data File : N04142001.D
Acq On : 14 Apr 2020 08:30 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

T-01
BKD
HIGH

AMS
4/14/20

Integration File: rteint.p

Method : U:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Mon Apr 13 09:22:09 2020



AutoFind: Scans 1218, 1219, 1220; Background Corrected with Scan 1212

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	5668	PASS
69	69	100	100	100.0	302353	PASS
70	69	0.00	2	0.6	1829	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1180933	PASS
199	198	5	9	6.9	81394	PASS
365	198	1	100	4.4	52536	PASS
441	443	0.01	150	77.4	288384	PASS
442	198	0.10	200	160.9	1900203	PASS
443	442	15	24	19.6	372459	PASS

✓

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142001.D
Acq On : 14 Apr 2020 08:30 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 14 12:38:06 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration

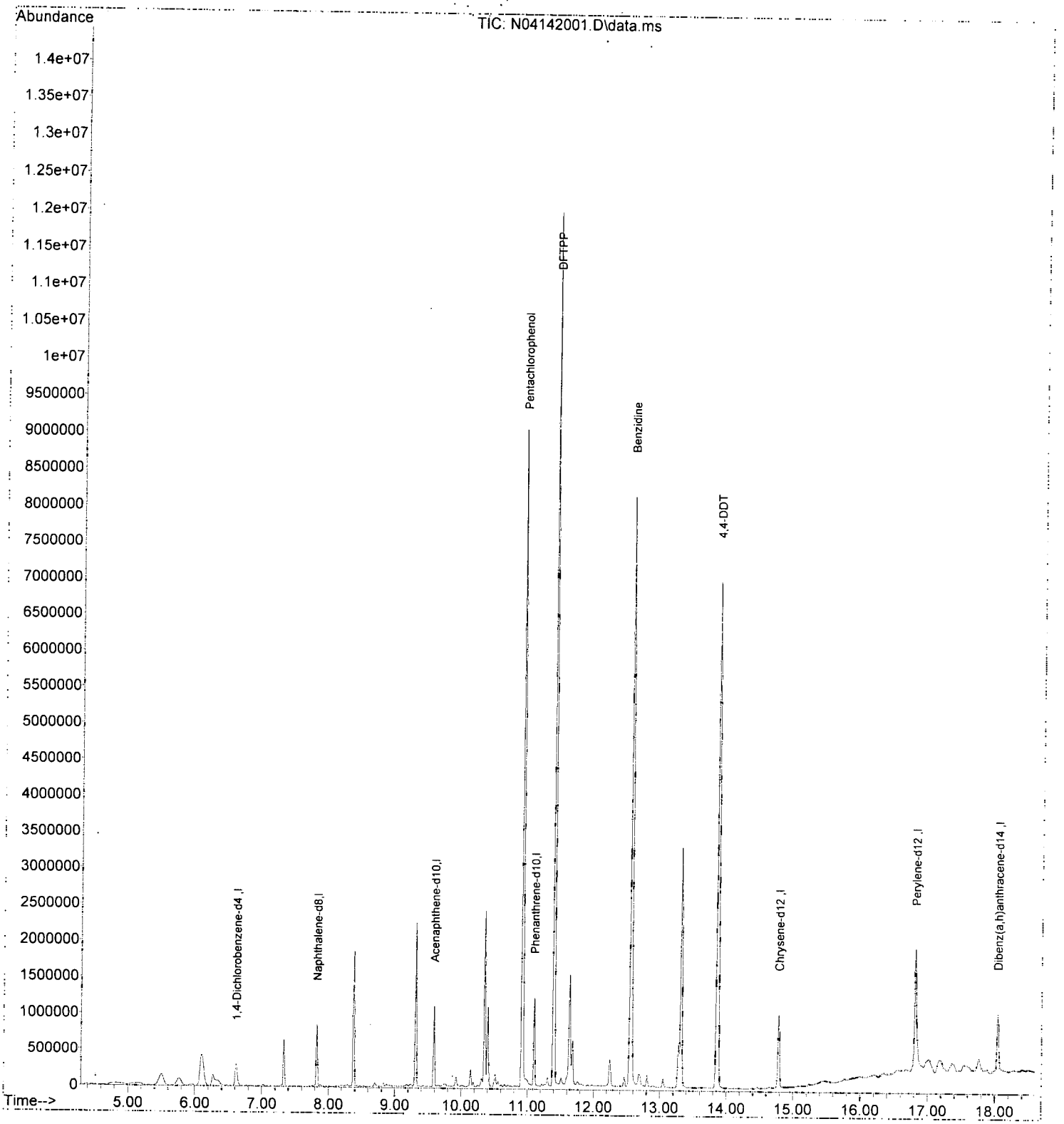
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.613	150	192003	2.00	ug/mL		0.00
2) Naphthalene-d8	7.825	136	584749	2.00	ug/mL		0.00
3) Acenaphthene-d10	9.591	162	339794	2.00	ug/mL		0.00
5) Phenanthrene-d10	11.101	188	672801	2.00	ug/mL		0.00
11) Chrysene-d12	14.784	240	690670	2.00	ug/mL		0.02
12) Perylene-d12	16.813	264	681105	2.00	ug/mL	#	0.01
13) Dibenz(a,h)anthracene-...	18.037	292	582362	2.00	ug/mL	#	0.02
Target Compounds							Qvalue
4) Pentachlorophenol	10.926	266	2014845	62.79	ug/mL		77
6) DFTPP	11.404	442	3059505	56.33	ug/mL	#	58
7) Benzidine	12.564	184	6728847	28.11	ug/mL		97
8) 4,4-DDE	12.808	TIC	243327	No Calib			
9) 4,4-DDD	13.315	TIC	5290512	No Calib			
10) 4,4-DDT	13.863	TIC	13888300	20.13	ug/mL		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142001.D
Acq On : 14 Apr 2020 08:30 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-TUN1
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 14 12:38:06 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration



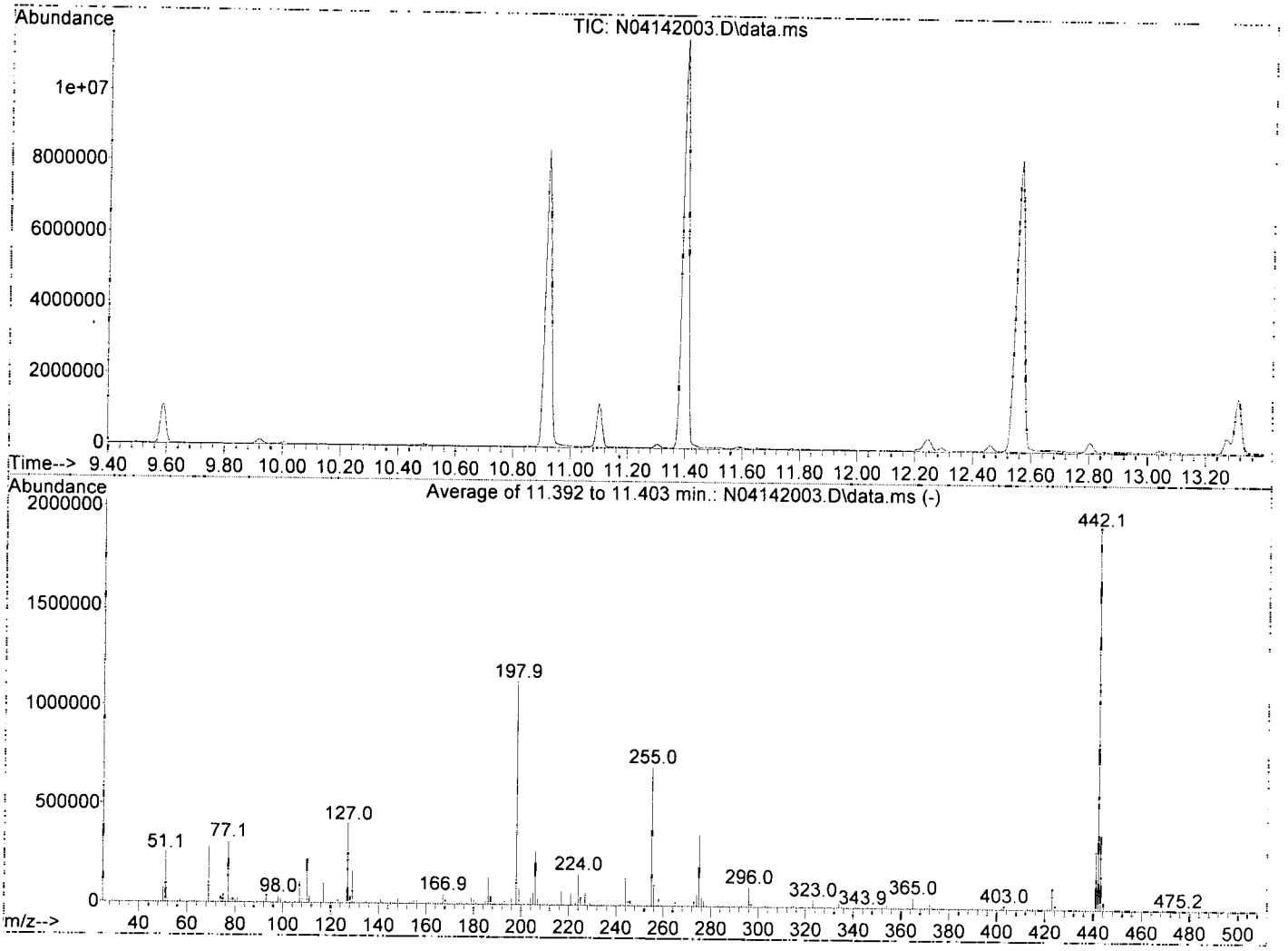
Data Path : U:\data\2020-04\0D14032\
Data File : N04142003.D
Acq On : 14 Apr 2020 09:41 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-TUN2
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Replaced liner

AMS 4/14/20

Integration File: rteint.p

Method : U:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Mon Apr 13 09:22:09 2020



AutoFind: Scans 1218, 1219, 1220; Background Corrected with Scan 1211

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	5293	PASS
69	69	100	100	100.0	277818	PASS
70	69	0.00	2	0.5	1370	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1126678	PASS
199	198	5	9	6.8	76707	PASS
365	198	1	100	4.7	52864	PASS
441	443	0.01	150	77.7	292224	PASS
442	198	0.10	200	171.3	1930069	PASS
443	442	15	24	19.5	376149	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142003.D
Acq On : 14 Apr 2020 09:41 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-TUN2
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 14 12:38:23 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration

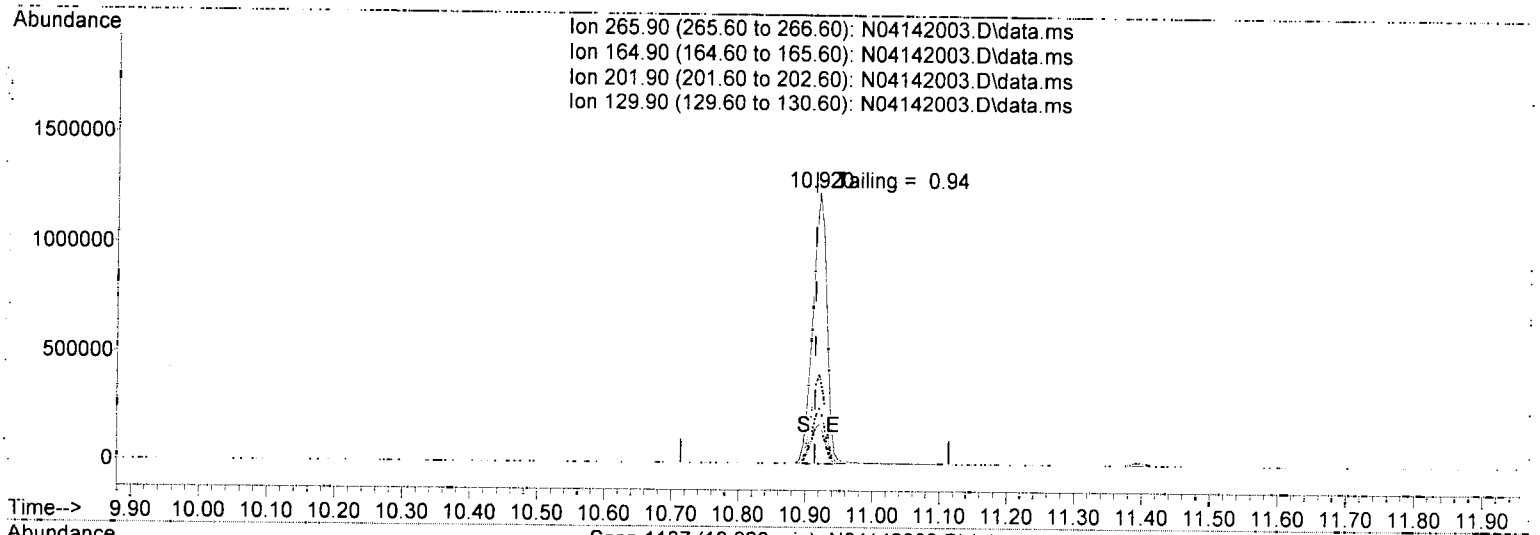
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.618	150	194757	2.00	ug/mL		0.00
2) Naphthalene-d8	7.825	136	594347	2.00	ug/mL		0.00
3) Acenaphthene-d10	9.591	162	343700	2.00	ug/mL		0.00
5) Phenanthrene-d10	11.100	188	670742	2.00	ug/mL		0.00
11) Chrysene-d12	14.778	240	658833	2.00	ug/mL		0.01
12) Perylene-d12	16.807	264	660181	2.00	ug/mL	#	0.00
13) Dibenz(a,h)anthracene-...	18.031	292	558518	2.00	ug/mL	#	0.01
Target Compounds							Qvalue
4) Pentachlorophenol	10.920	266	1825333	56.24	ug/mL		79
6) DFTPP	11.398	442	3004510	55.49	ug/mL	#	63
7) Benzidine	12.563	184	6944250	29.10	ug/mL		97
8) 4,4-DDE	12.802	TIC	408941	No Calib			
9) 4,4-DDD	13.309	TIC	2489007	No Calib			
10) 4,4-DDT	13.863	TIC	17956123	26.11	ug/mL		94

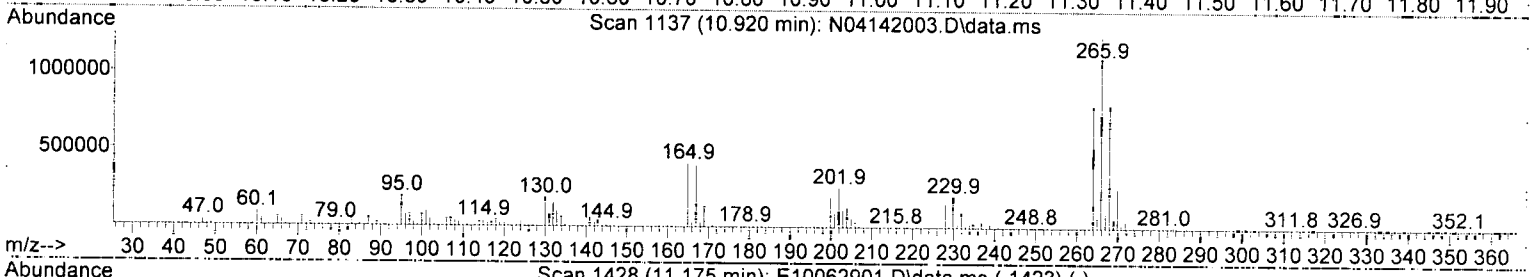
(#) = qualifier out of range (m) = manual integration (+) = signals summed

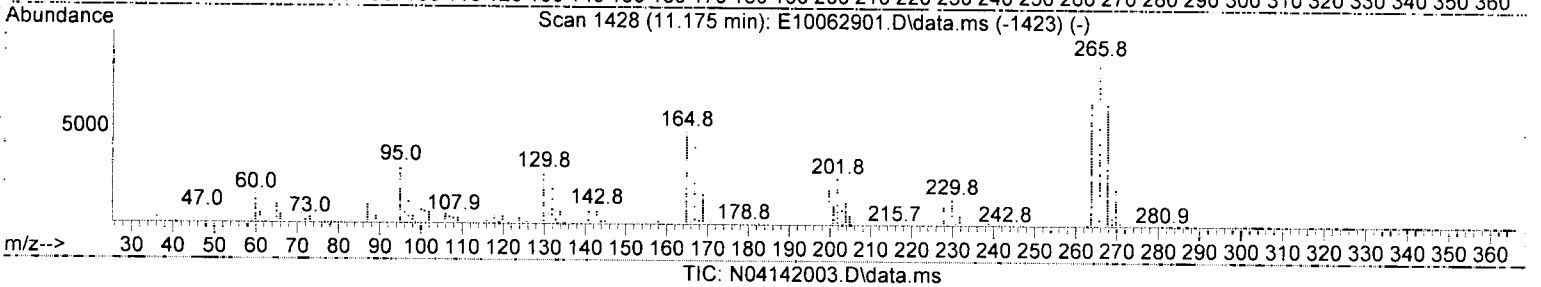
Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142003.D
Acq On : 14 Apr 2020 09:41 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-TUN2
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 14 12:38:23 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration







(4) Pentachlorophenol

10.920min (+ 0.006) 56.24 ug/mL

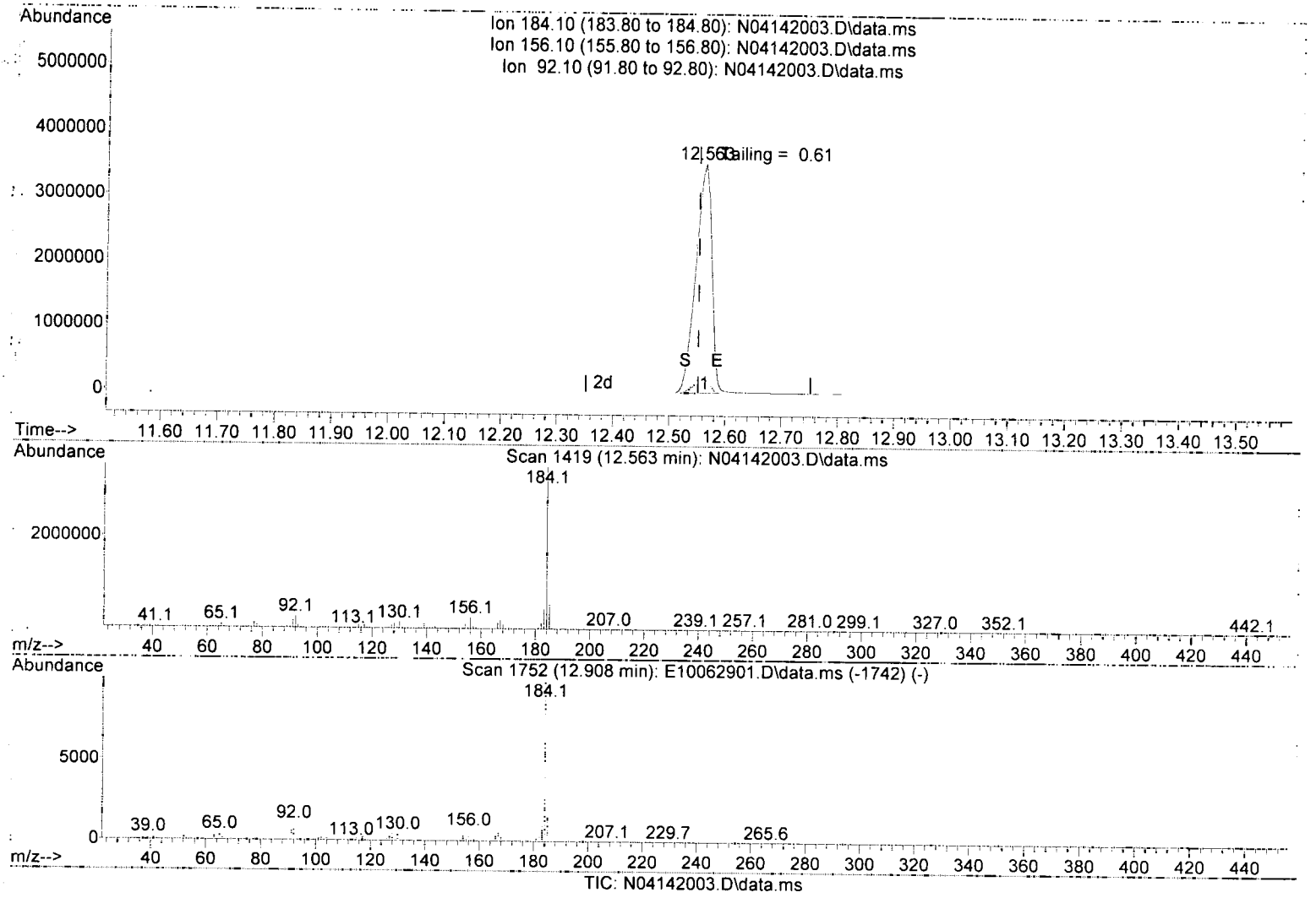
response 1825333

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	32.93
201.90	25.80	20.40
129.90	27.30	14.71

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142003.D
Acq On : 14 Apr 2020 09:41 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-TUN2
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 14 12:38:23 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration



(7) Benzidine

12.563min (+ 0.011) 29.10 ug/mL

response 6944250

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.98
92.10	8.20	7.32
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:
0D14032-TUN2
SV-GCMS 14

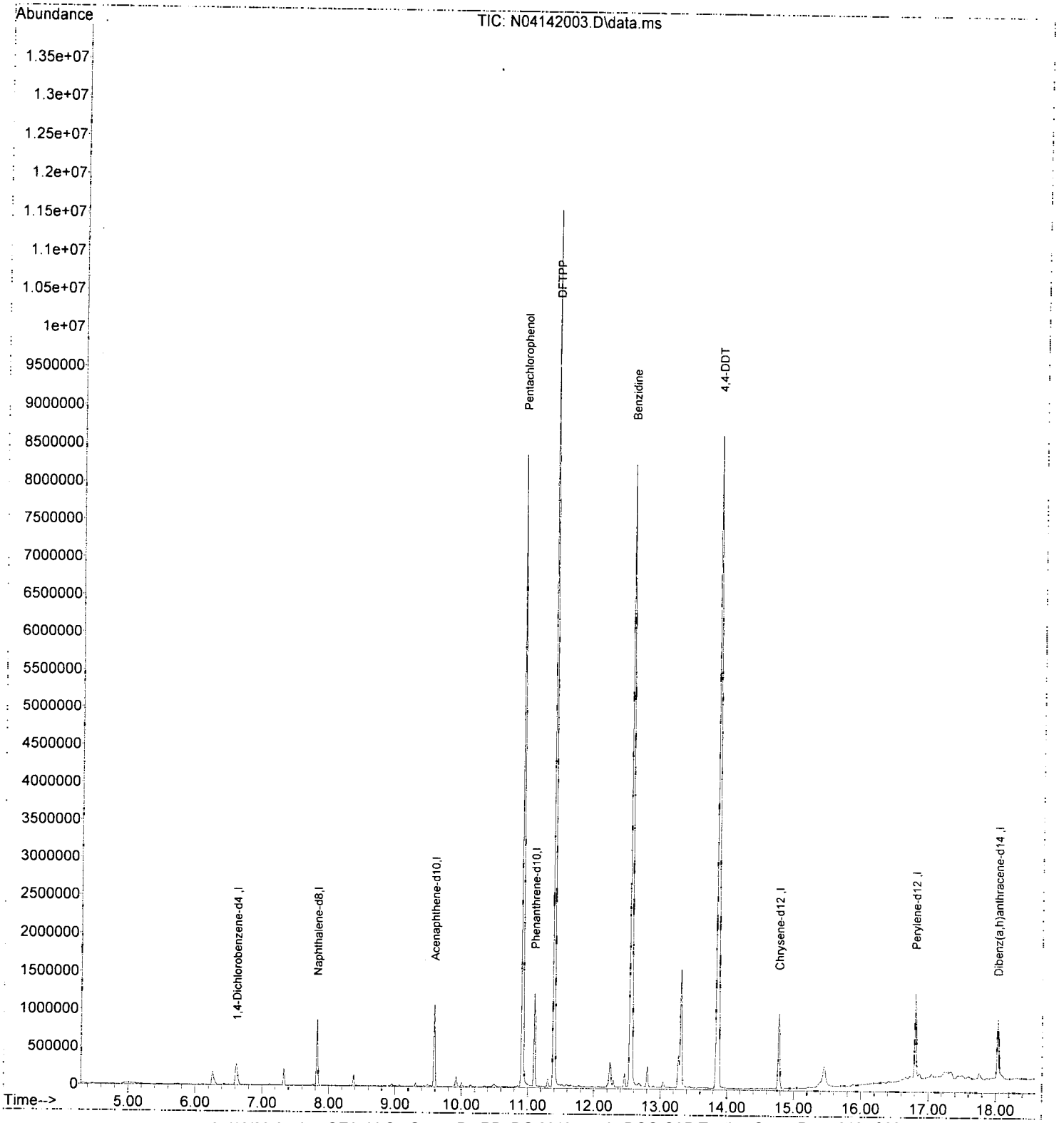
First Column	Area Counts	Percent Breakdown	
DDE	408941		
DDD	2489007		
DDT	17956123	13.9	PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142003.D
Acq On : 14 Apr 2020 09:41 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-TUN2
Misc : 1x, A20D163 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 14 12:38:23 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Apr 13 09:22:09 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : U:\data\2020-04\0D14032\
Data File : N04142004.D
Acq On : 14 Apr 2020 10:09 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 12:40:12 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

AMS 4/14/20

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	80	0.00
2	S	Nitrobenzene-d5 (Surr)	50.000	47.297	5.4	78	0.00
3	T	Decalin	50.000	43.670	12.7	75	0.00
4	T	Naphthalene	50.000	49.371	1.3	81	0.00
5	T	2-Methylnaphthalene	50.000	56.665	-13.3	90	0.00
6	T	1-Methylnaphthalene	50.000	54.885	-9.8	87	0.00
7	T	1,1'-Biphenyl	50.000	57.036	-14.1	92	0.00
8	T	2,6-Dimethylnaphthalene	50.000	61.516	-23.0#	99	0.00
9	I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	94	0.00
10	S	2-Fluorobiphenyl (Surr)	50.000	49.364	1.3	93	0.00
11	T	Acenaphthylene	50.000	54.439	-8.9	99	0.00
12	T	Acenaphthene	50.000	51.113	-2.2	96	0.00
13	T	Dibenzofuran	50.000	53.567	-7.1	101	0.00
14	T	1,6,7-Trimethylnaphthalene	50.000	54.330	-8.7	103	0.00
15	T	Fluorene	50.000	55.846	-11.7	107	0.00
16	I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	106	0.00
17	T	Dibenzothiopene	50.000	51.406	-2.8	108	0.00
18	T	Phenanthrene	50.000	49.384	1.2	107	0.01
19	T	Anthracene	50.000	56.663	-13.3	119	0.00
20	T	Carbazole	50.000	50.161	-0.3	101	0.01
21	T	1-Methylphenanthrene	50.000	55.511	-11.0	115	0.00
22	T	Fluoranthene	50.000	55.727	-11.5	117	0.01
23	I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	105	0.01
24	T	Pyrene	50.000	52.684	-5.4	115	0.00
25	S	Terphenyl-d14 (Surr)	50.000	53.680	-7.4	112	0.01
26	T	Benz(a)anthracene	50.000	52.925	-5.8	116	0.01
27	T	Chrysene	50.000	49.566	0.9	105	0.01
28	I	Perylene-d12 (ISTD)	100.000	100.000	0.0	106	0.02
29	T	Benzo(b)fluoranthene	50.000	55.335	-10.7	121	0.02
30	T	Benzo(k)fluoranthene	50.000	52.454	-4.9	111	0.02
31	T	Benzo(b+k)fluoranthene	100.000	104.698	-4.7	112	0.02
32	T	Benzo(e)pyrene	50.000	51.525	-3.0	112	0.02
33	T	Benzo(a)pyrene	50.000	59.173	-18.3	118	0.02
34	T	Perylene	50.000	52.625	-5.3	103	0.02
35	I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	101	0.02
36	T	Indeno(1,2,3-cd)Pyrene	50.000	53.630	-7.3	109	0.02
37	T	Dibenz(a,h)anthracene	50.000	50.758	-1.5	102	0.02
38	T	Benzo(g,h,i)perylene	50.000	52.767	-5.5	104	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142004.D
Acq On : 14 Apr 2020 10:09 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 12:40:12 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

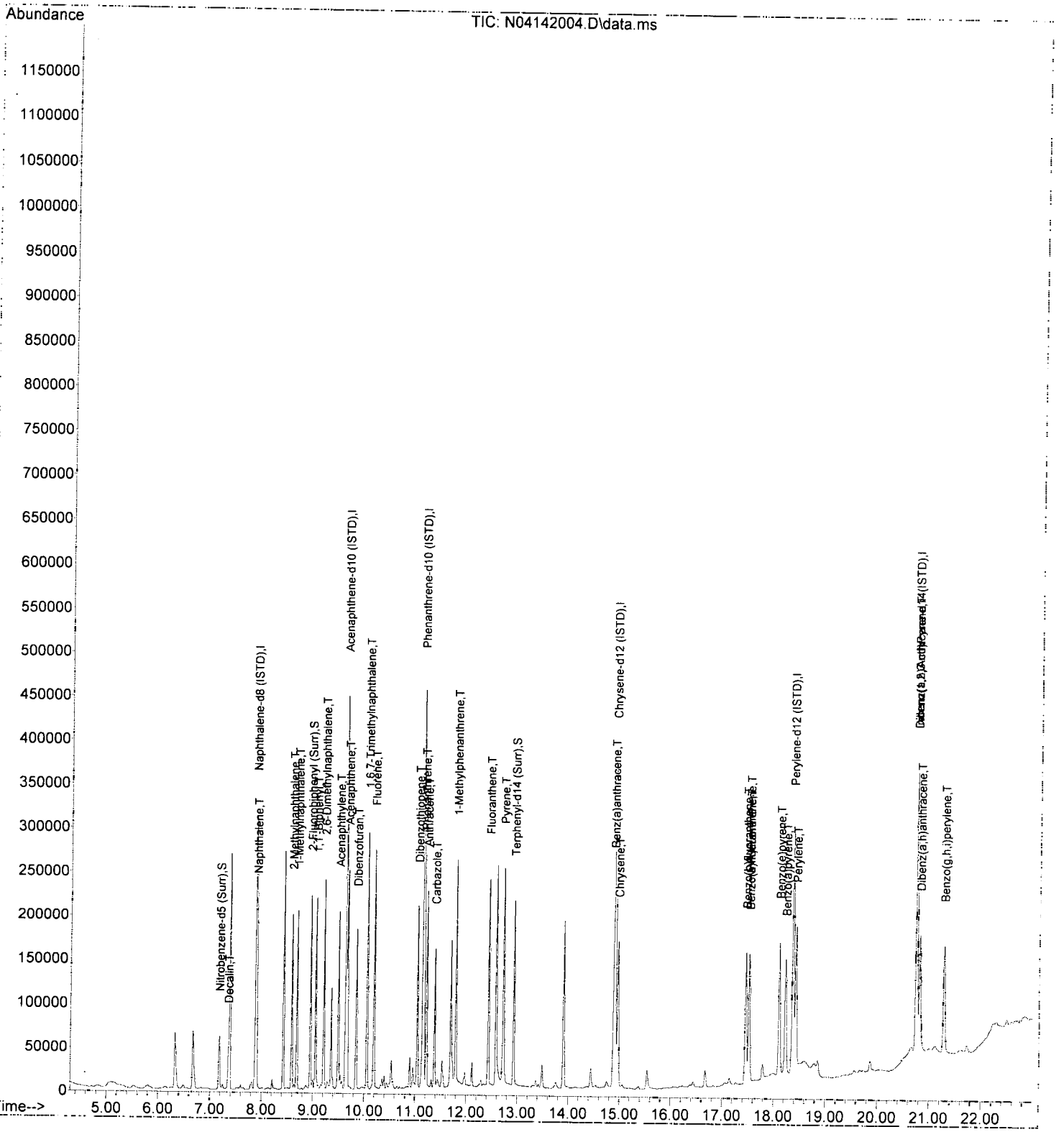
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Naphthalene-d8 (ISTD)	7.883	136	212359	100.00 ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.637	162	137648	100.00 ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	257515	100.00 ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.907	240	249832	100.00 ng/ml	0.01
28) Perylene-d12 (ISTD)	18.369	264	246122	100.00 ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.747	292	191816	100.00 ng/ml	0.02
System Monitoring Compounds					
2) Nitrobenzene-d5 (Surr)	7.184	82	31376	47.30 ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	105198	49.36 ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.931	244	129581	53.68 ng/ml	0.01
Target Compounds					Qvalue
3) Decalin	7.358	138	7415	43.67 ng/ml	86
4) Naphthalene	7.901	128	114193	49.37 ng/ml	100
5) 2-Methylnaphthalene	8.588	142	88003	56.66 ng/ml	97
6) 1-Methylnaphthalene	8.687	142	84634	54.89 ng/ml	96
7) 1,1'-Biphenyl	9.055	154	111647	57.04 ng/ml	95
8) 2,6-Dimethylnaphthalene	9.212	156	82608	61.52 ng/ml	97
11) Acenaphthylene	9.498	152	139729	54.44 ng/ml	100
12) Acenaphthene	9.672	153	96238	51.11 ng/ml	100
13) Dibenzofuran	9.847	168	122076	53.57 ng/ml	93
14) 1,6,7-Trimethylnaphtha...	10.057	170	80159	54.33 ng/ml	99
15) Fluorene	10.191	166	101102	55.85 ng/ml	98
17) Dibenzothiopene	11.042	184	133779	51.41 ng/ml	94
18) Phenanthrene	11.170	178	146379	49.38 ng/ml	100
19) Anthracene	11.217	178	137551	56.66 ng/ml	99
20) Carbazole	11.380	167	105125	50.16 ng/ml	98
21) 1-Methylphenanthrene	11.794	192	110958	55.51 ng/ml	98
22) Fluoranthene	12.435	202	162796	55.73 ng/ml	95
24) Pyrene	12.721	202	170718	52.68 ng/ml	98
26) Benz(a)anthracene	14.883	228	137120	52.92 ng/ml	99
27) Chrysene	14.965	228	132075	49.57 ng/ml	100
29) Benzo(b)fluoranthene	17.459	252	140792	55.34 ng/ml	91
30) Benzo(k)fluoranthene	17.524	252	133048	52.45 ng/ml	91
31) Benzo(b+k)fluoranthene	17.524	252	280119	104.70 ng/ml	91
32) Benzo(e)pyrene	18.106	252	137078	51.52 ng/ml	97
33) Benzo(a)pyrene	18.229	252	121063	59.17 ng/ml	94
34) Perylene	18.427	252	144164	52.63 ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.747	276	111747	53.63 ng/ml	76
37) Dibenz(a,h)anthracene	20.817	278	106646	50.76 ng/ml	78
38) Benzo(g,h,i)perylene	21.283	276	117941	52.77 ng/ml	77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142004.D
Acq On : 14 Apr 2020 10:09 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-CCV1
Misc : 1x, A20C077@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 12:40:12 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142005.D
Acq On : 14 Apr 2020 10:41 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

AMS 4/14/20

Quant Time: Apr 14 12:40:28 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

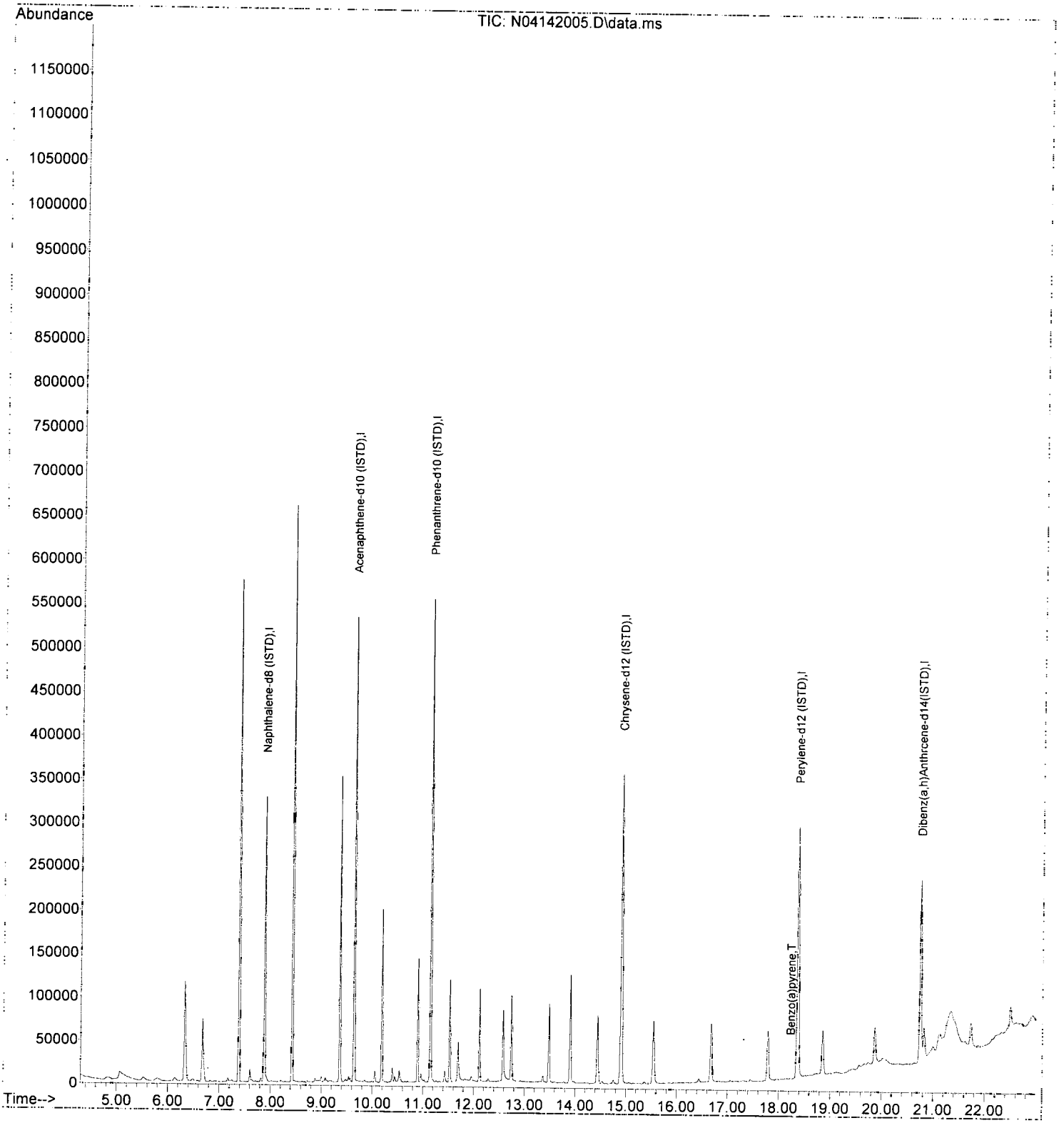
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Naphthalene-d8 (ISTD)	7.883	136	245534	100.00 ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.637	162	168507	100.00 ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.147	188	316787	100.00 ng/ml	0.01
23) Chrysene-d12 (ISTD)	14.907	240	277362	100.00 ng/ml	0.01
28) Perylene-d12 (ISTD)	18.369	264	260661	100.00 ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.747	292	198482	100.00 ng/ml	0.02
System Monitoring Compounds					
2) Nitrobenzene-d5 (Surr)	7.172	82	281	0.37 ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.956	172	301	0.12 ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.931	244	423	0.16 ng/ml	0.01
Target Compounds					Qvalue
3) Decalin	0.000		0	N.D.	
4) Naphthalene	7.912	128	478	N.D.	
5) 2-Methylnaphthalene	8.588	142	78	N.D.	
6) 1-Methylnaphthalene	8.687	142	54	N.D.	
7) 1,1'-Biphenyl	9.055	154	345	N.D.	
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.	
11) Acenaphthylene	9.498	152	91	N.D.	
12) Acenaphthene	9.678	153	70	N.D.	
13) Dibenzofuran	9.841	168	62	N.D.	
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.	
15) Fluorene	10.191	166	63	N.D.	
17) Dibenzothiopene	11.036	184	68	N.D.	
18) Phenanthrene	11.170	178	478	N.D.	
19) Anthracene	11.217	178	108	N.D.	
20) Carbazole	11.380	167	154	N.D.	
21) 1-Methylphenanthrene	11.788	192	118	N.D.	
22) Fluoranthene	12.435	202	156	N.D.	
24) Pyrene	12.721	202	205	N.D.	
26) Benz(a)anthracene	14.907	228	721	N.D.	
27) Chrysene	14.965	228	277	N.D.	
29) Benzo(b)fluoranthene	17.459	252	308	N.D.	
30) Benzo(k)fluoranthene	17.524	252	449	N.D.	
31) Benzo(b+k)fluoranthene	17.524	252	757	N.D.	
32) Benzo(e)pyrene	18.106	252	415	N.D.	
33) Benzo(a)pyrene	18.229	252	445	0.52 ng/ml	76
34) Perylene	18.421	252	725	N.D.	
36) Indeno(1,2,3-cd)Pyrene	20.753	276	635	N.D.	
37) Dibenz(a,h)anthracene	20.811	278	652	N.D.	
38) Benzo(g,h,i)perylene	21.283	276	878	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142005.D
Acq On : 14 Apr 2020 10:41 am
Operator : JK/ AMS/ DTH
Sample : 0D14032-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 14 12:40:28 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142006.D
Acq On : 14 Apr 2020 11:17 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE2@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

RRI
AMS 4/14/20

Quant Time: Apr 14 12:40:43 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

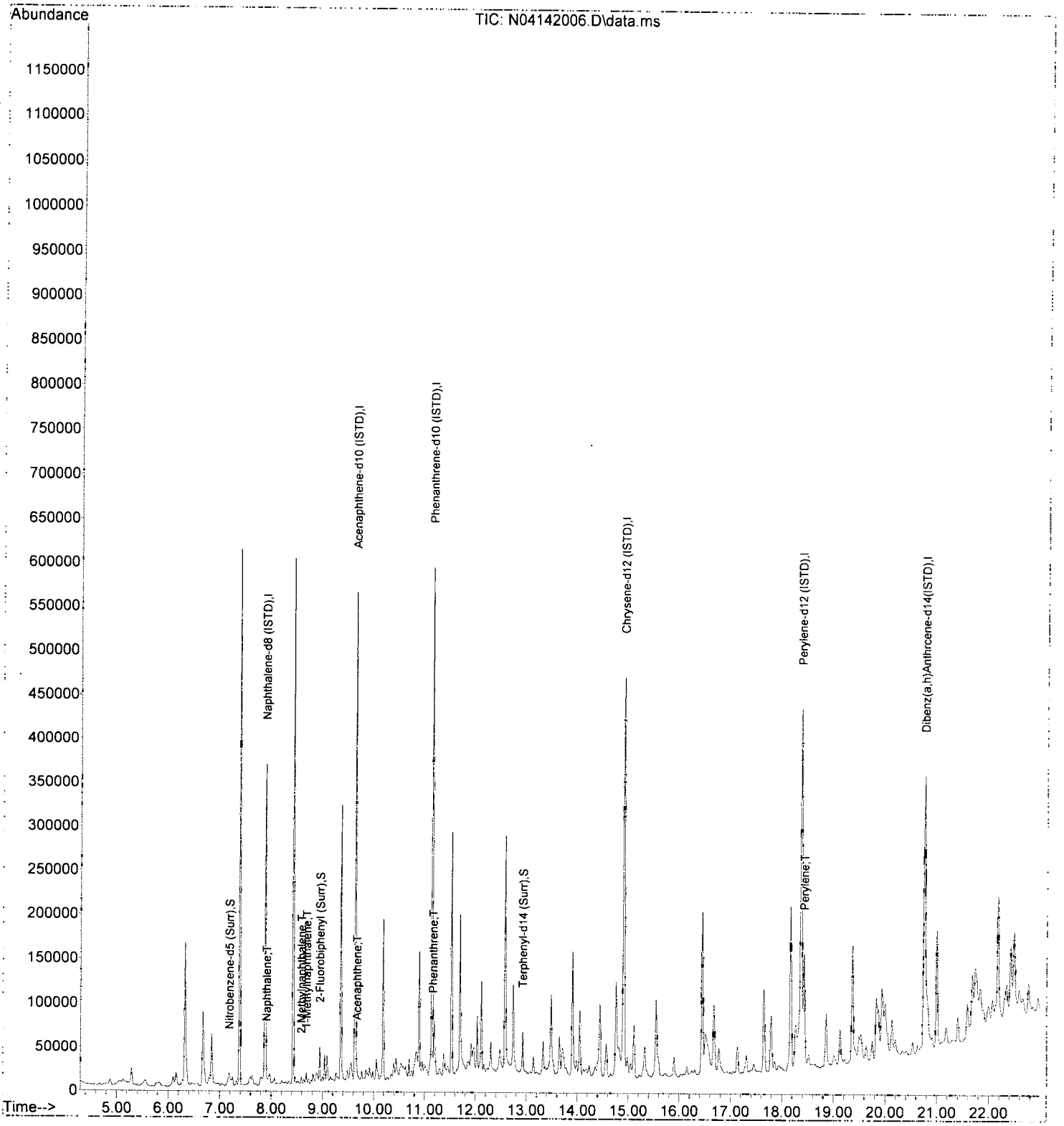
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Naphthalene-d8 (ISTD)	7.883	136	263588	100.00 ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.637	162	169531	100.00 ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.141	188	326530	100.00 ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.907	240	343853	100.00 ng/ml	0.01
28) Perylene-d12 (ISTD)	18.369	264	352587	100.00 ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.753	292	289464	100.00 ng/ml	0.02
System Monitoring Compounds					
2) Nitrobenzene-d5 (Surr)	7.184	82	4741	5.76 ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	18843	7.18 ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.925	244	26053	7.84 ng/ml	0.00
Target Compounds					Qvalue
3) Decalin	0.000		0	N.D.	
4) Naphthalene	7.906	128	3655	1.27 ng/ml	99
5) 2-Methylnaphthalene	8.588	142	941	0.49 ng/ml	96
6) 1-Methylnaphthalene	8.687	142	4596	2.40 ng/ml	97
7) 1,1'-Biphenyl	9.055	154	758	N.D.	
8) 2,6-Dimethylnaphthalene	9.218	156	588	N.D.	
11) Acenaphthylene	9.498	152	436	N.D.	
12) Acenaphthene	9.672	153	3497	1.51 ng/ml	98
13) Dibenzofuran	9.847	168	325	N.D.	
14) 1,6,7-Trimethylnaphtha...	10.069	170	395	N.D.	
15) Fluorene	10.191	166	687	N.D.	
17) Dibenzothiopene	11.036	184	290	N.D.	
18) Phenanthrene	11.165	178	1882	0.50 ng/ml	87
19) Anthracene	11.217	178	346	N.D.	
20) Carbazole	11.380	167	305	N.D.	
21) 1-Methylphenanthrene	11.794	192	948	N.D.	
22) Fluoranthene	12.429	202	1057	N.D.	
24) Pyrene	12.721	202	1574	N.D.	
26) Benz(a)anthracene	14.907	228	1424	N.D.	
27) Chrysene	14.959	228	411	N.D.	
29) Benzo(b)fluoranthene	17.465	252	508	N.D.	
30) Benzo(k)fluoranthene	17.524	252	281	N.D.	
31) Benzo(b+k)fluoranthene	17.465	252	1463	N.D.	
32) Benzo(e)pyrene	18.101	252	512	N.D.	
33) Benzo(a)pyrene	18.223	252	125	N.D.	
34) Perylene	18.427	252	112767	28.73 ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.747	276	695	N.D.	
37) Dibenz(a,h)anthracene	20.811	278	218	N.D.	
38) Benzo(g,h,i)perylene	21.283	276	543	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142006.D
Acq On : 14 Apr 2020 11:17 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE2@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 14 12:40:43 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142007.D
Acq On : 14 Apr 2020 11:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE3
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

AMS 4/14/20

Quant Time: Apr 14 12:40:51 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration

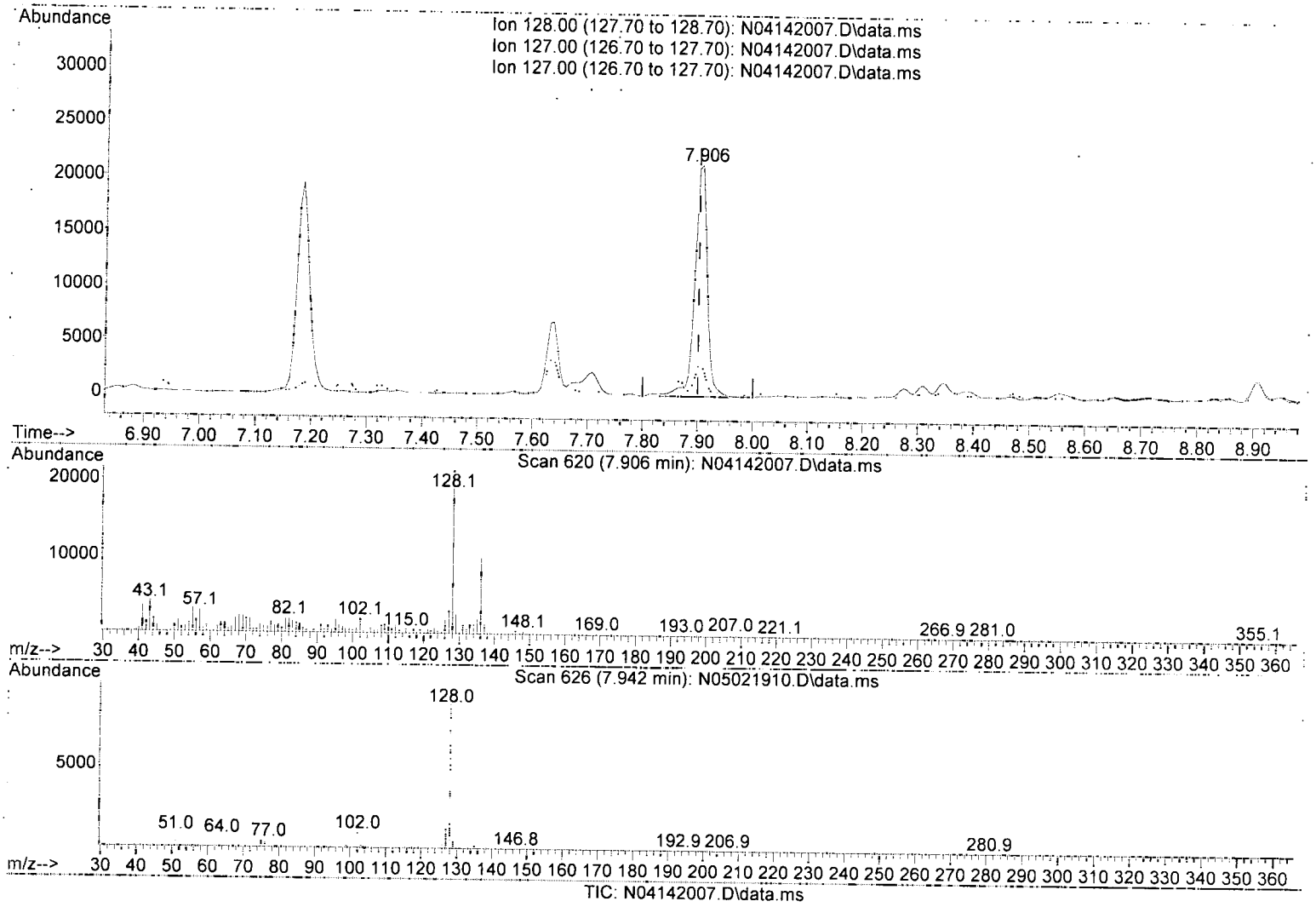
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.883	136	300935	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.638	162	188248	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.147	188	361690	100.00	ng/ml	0.01
23) Chrysene-d12 (ISTD)	14.918	240	379652	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.386	264	362720	100.00	ng/ml	0.03
35) Dibenz(a,h)Anthrcene-d...	20.770	292	302381	100.00	ng/ml	0.04
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.184	82	52851	56.22	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.950	172	192707	66.12	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.931	244	277349	75.61	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	7.359	138	174	0.72	ng/ml#	26
4) Naphthalene	7.906	128	33555	10.24	ng/ml	95
5) 2-Methylnaphthalene	8.588	142	9446	4.29	ng/ml	94
6) 1-Methylnaphthalene	8.687	142	45632	20.88	ng/ml	96
7) 1,1'-Biphenyl	9.055	154	4823	1.74	ng/ml	84
8) 2,6-Dimethylnaphthalene	9.218	156	6089	3.20	ng/ml	97
11) Acenaphthylene	9.498	152	2947	0.84	ng/ml	41
12) Acenaphthene	9.673	153	33014	12.82	ng/ml	99
13) Dibenzofuran	9.847	168	3277	1.05	ng/ml#	71
14) 1,6,7-Trimethylnaphtha...	10.069	170	3120	1.55	ng/ml#	57
15) Fluorene	10.191	166	6767	2.73	ng/ml	90
17) Dibenzothiopene	11.042	184	2859	0.78	ng/ml#	1
18) Phenanthrene	11.170	178	16918	4.06	ng/ml	94
19) Anthracene	11.217	178	3177	0.93	ng/ml#	45
20) Carbazole	11.380	167	2344	0.80	ng/ml#	20
21) 1-Methylphenanthrene	11.794	192	8396	2.99	ng/ml	90
22) Fluoranthene	12.435	202	9613	2.34	ng/ml	92
24) Pyrene	12.727	202	14513	2.95	ng/ml	88
26) Benz(a)anthracene	14.895	228	3581	0.91	ng/ml	66
27) Chrysene	14.971	228	4355	1.08	ng/ml	62
29) Benzo(b)fluoranthene	17.471	252	4323	1.15	ng/ml	49
30) Benzo(k)fluoranthene	17.471	252	4669	1.25	ng/ml	53
31) Benzo(b+k)fluoranthene	17.471	252	6041	1.53	ng/ml	53
32) Benzo(e)pyrene	18.124	252	2781	0.71	ng/ml#	51
33) Benzo(a)pyrene	18.229	252	3842	1.61	ng/ml#	1
34) Perylene	18.456	252	1107412	274.30	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.770	276	2166	0.66	ng/ml#	1
37) Dibenz(a,h)anthracene	20.805	278	949	N.D.		
38) Benzo(g,h,i)perylene	21.306	276	2660	0.75	ng/ml#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142007.D
Acq On : 14 Apr 2020 11:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE3
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 12:40:51 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(4) Naphthalene (T)

7.906min (+ 0.006) 10.24 ng/ml

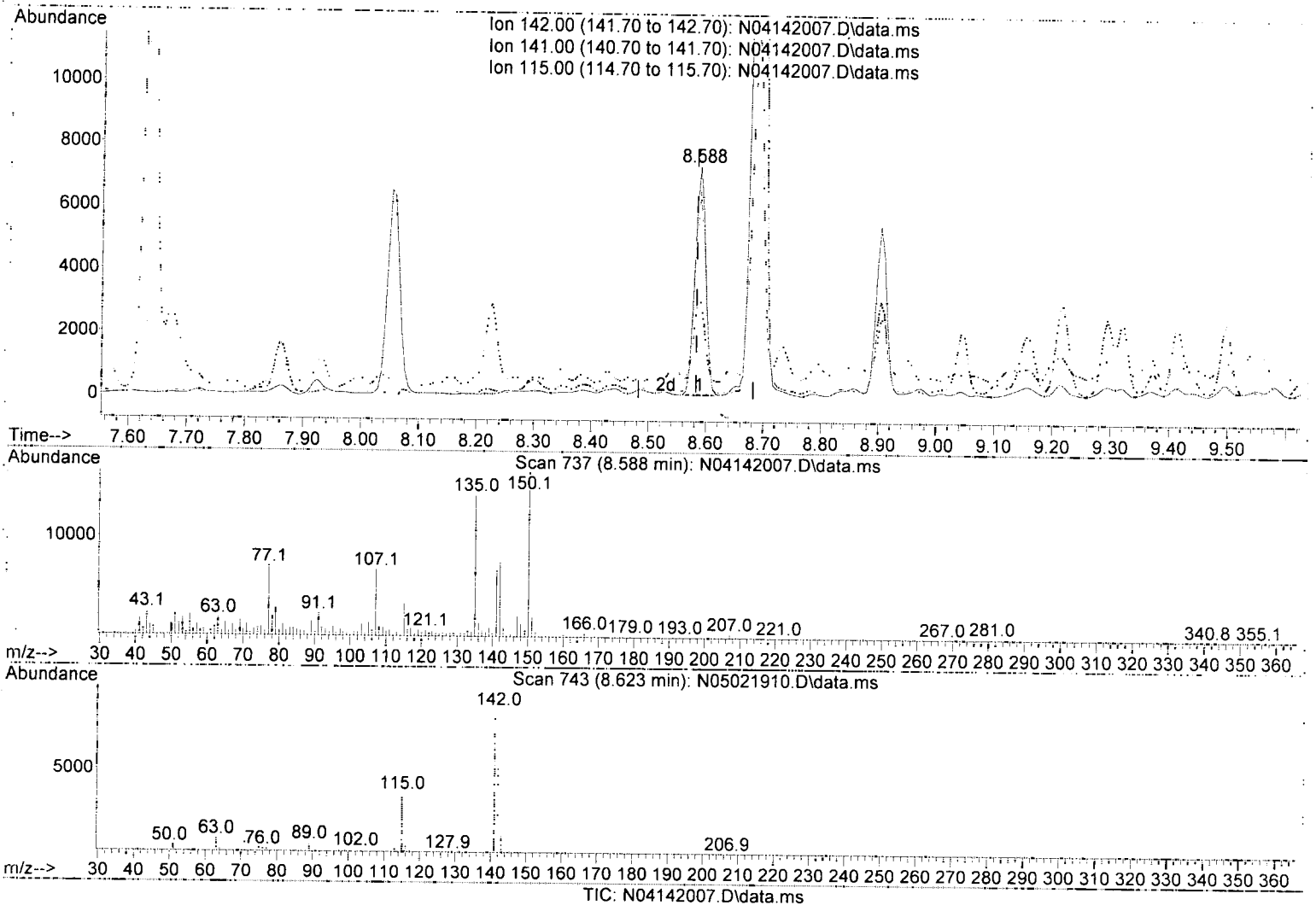
response 33555

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	14.53
127.00	12.60	14.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142007.D
Acq On : 14 Apr 2020 11:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE3
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 12:40:51 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

8.588min (+ 0.006) 4.29 ng/ml

response 9446

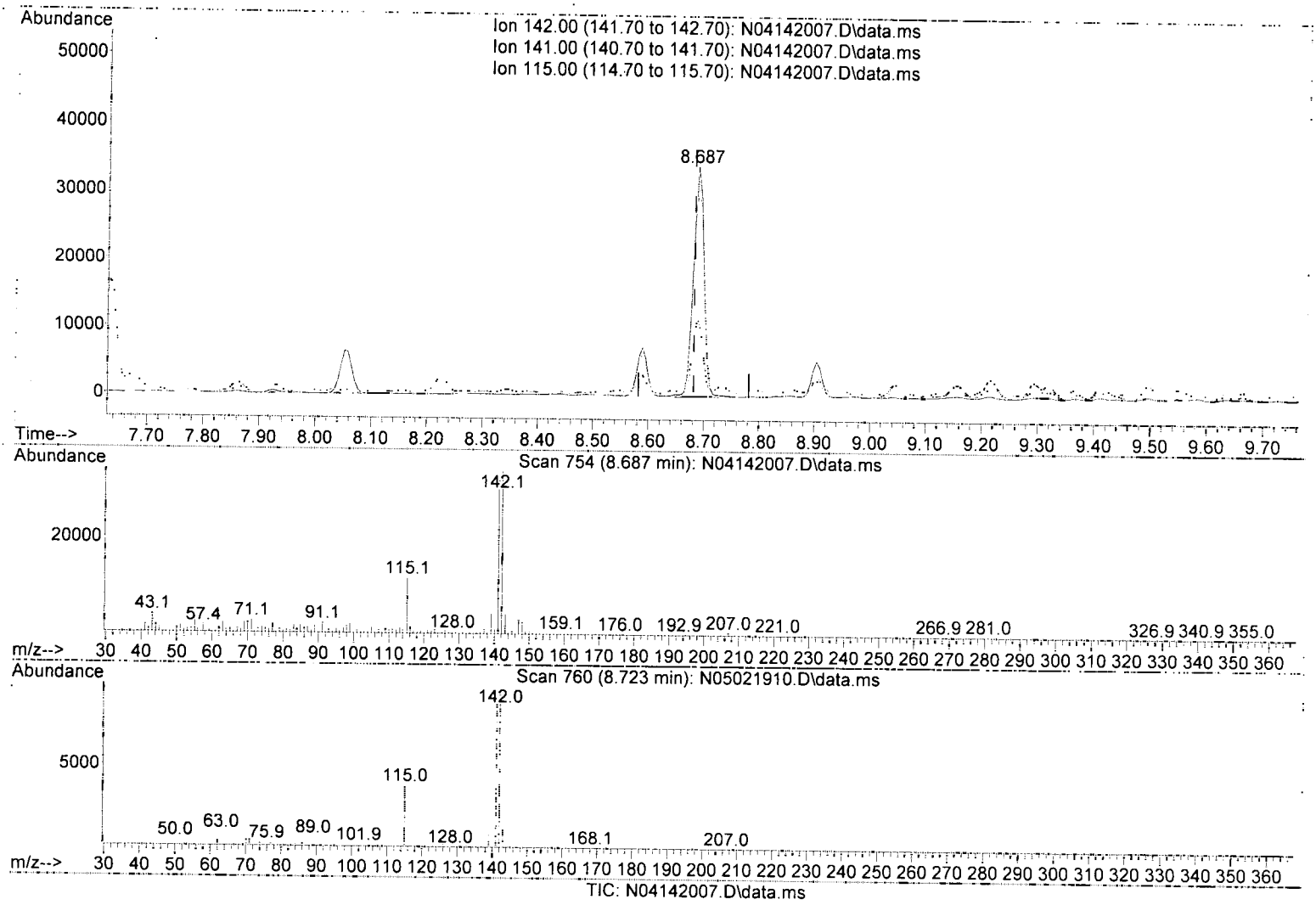
Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	89.58
115.00	35.70	43.96
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142007.D
Acq On : 14 Apr 2020 11:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE3
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 12:40:51 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



TIC: N04142007.D\data.ms

(6) 1-Methylnaphthalene (T)

8.687min (+ 0.006) 20.88 ng/ml

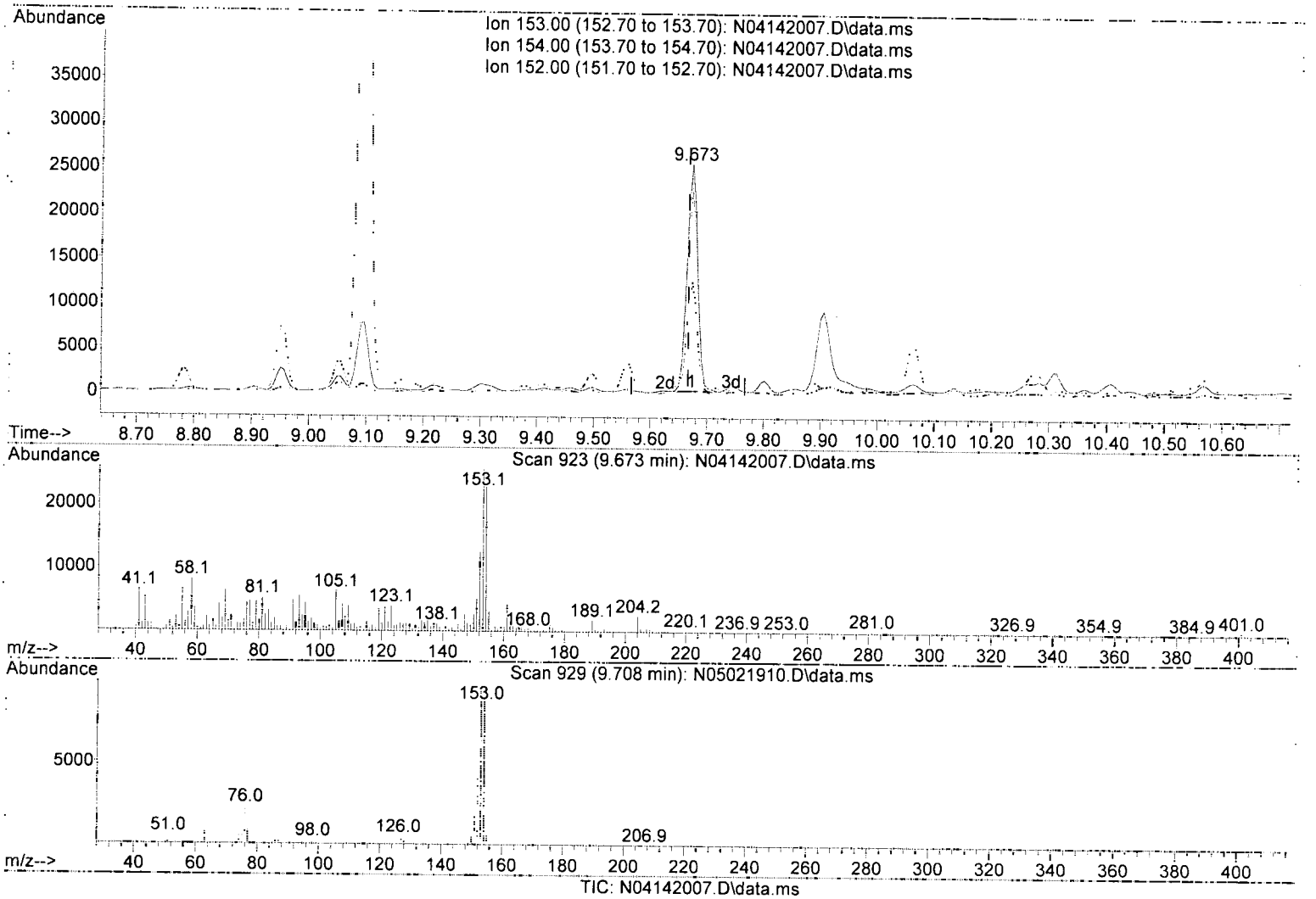
response 45632

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	90.70	94.24
115.00	37.80	34.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142007.D
Acq On : 14 Apr 2020 11:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE3
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 12:40:51 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(12) Acenaphthene (T)

9.673min (+ 0.006) 12.82 ng/ml

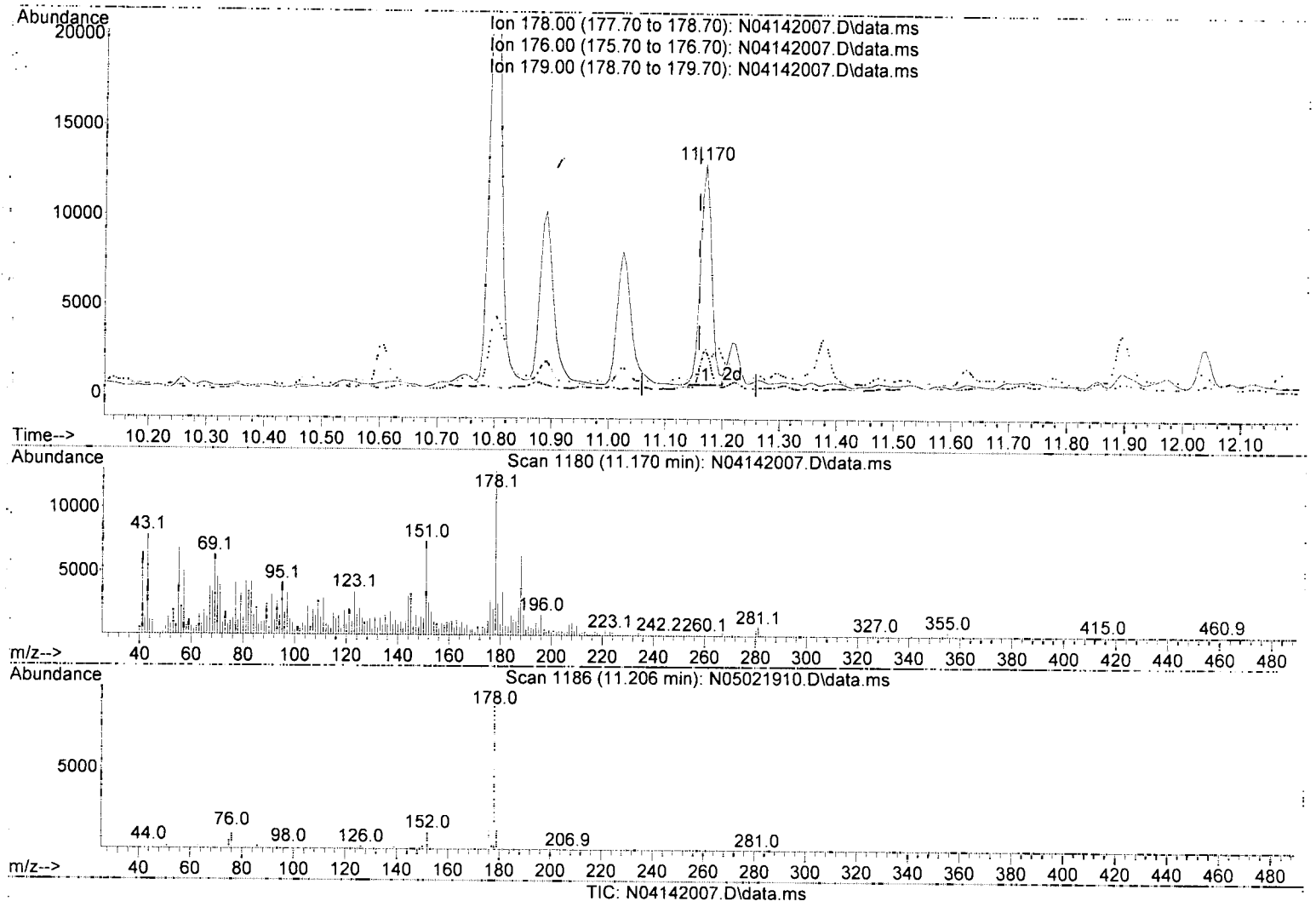
response 33014

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.67
152.00	46.80	49.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142007.D
Acq On : 14 Apr 2020 11:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE3
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 12:40:51 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



TIC: N04142007.D\data.ms

(18) Phenanthrene (T)

11.170min (+ 0.012) 4.06 ng/ml

response 16918

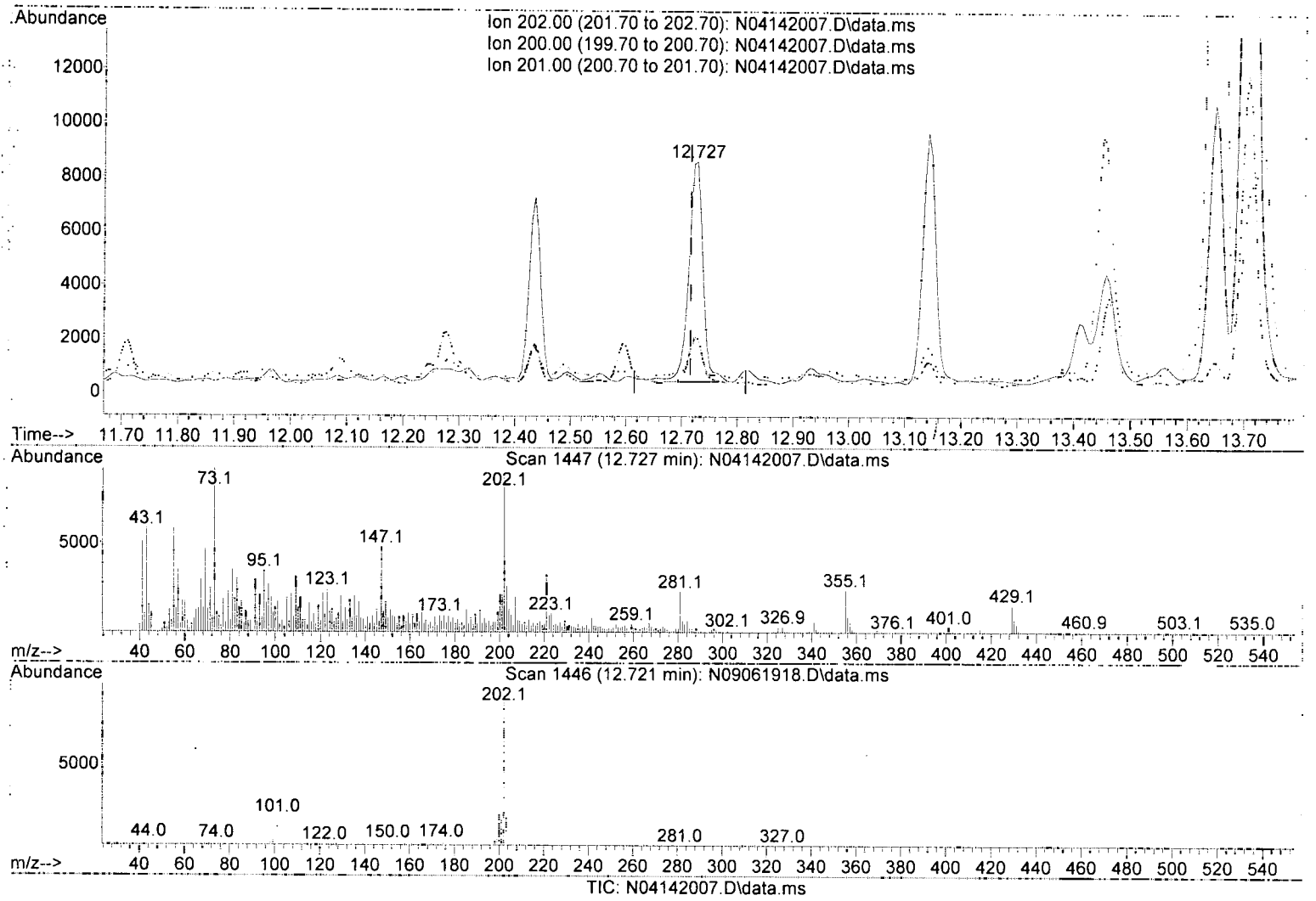
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	20.53
179.00	15.10	19.22
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142007.D
Acq On : 14 Apr 2020 11:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE3
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 12:40:51 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



(24) Pyrene (T)

12.727min (+ 0.012) 2.95 ng/ml

response 14513

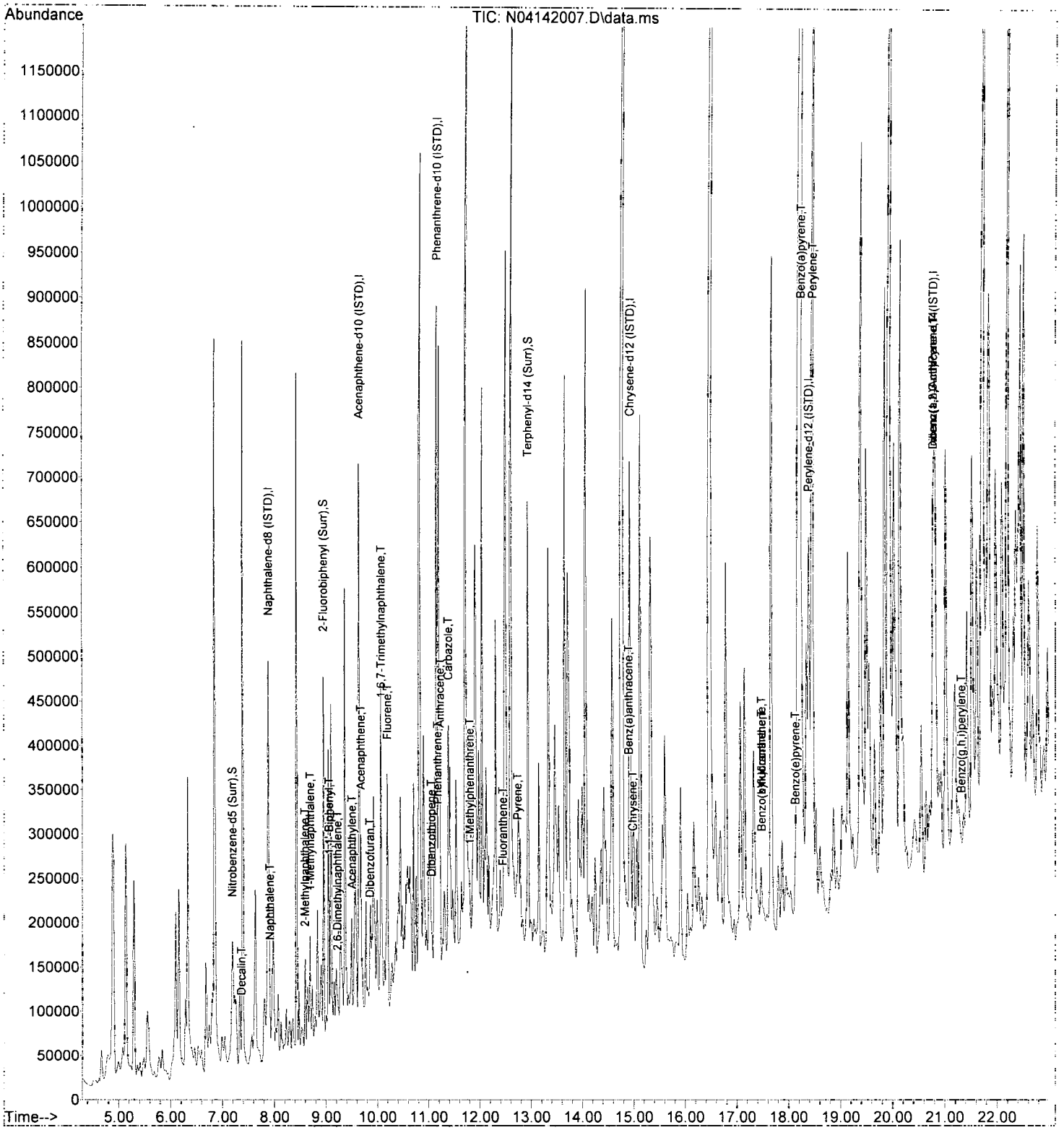
Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	24.56
201.00	16.80	24.36
0.00	0.00	0.00

J

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-04\0D14032\
Data File : N04142007.D
Acq On : 14 Apr 2020 11:48 am
Operator : JK/ AMS/ DTH
Sample : A0D0205-04RE3
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 14 12:40:51 2020
Quant Method : U:\methods\SV14_040720_PAHR1.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Apr 10 17:39:38 2020
Response via : Initial Calibration



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Semivolatile Organic Compounds (PAHs) by EPA 8270D
Calibration Data

Sequence 0D07056 (Cal ID A0D0804) SV-GCMS14

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0D07056	Instrument:	SV-GCMS14
Date:	04/07/20 16:31	Calibration:	A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D07056-TUN1	Soil	QC	QC			A20C067	A20C407
2	0D07056-ICB1	Soil	QC	QC			A20C067	
3	0D07056-CAL1	Soil	QC	QC			A20C067	A20C467
4	0D07056-CAL2	Soil	QC	QC			A20C067	A20C468
5	0D07056-CAL3	Soil	QC	QC			A20C067	A20C469
6	0D07056-CAL4	Soil	QC	QC			A20C067	A20C470
7	0D07056-CAL5	Soil	QC	QC			A20C067	A20C471
8	0D07056-CAL6	Soil	QC	QC			A20C067	A20C472
9	0D07056-CAL7	Soil	QC	QC			A20C067	A20C473
10	0D07056-CAL8	Soil	QC	QC			A20C067	A20C474
11	0D07056-CAL9	Soil	QC	QC			A20C067	A20C475
12	0D07056-CALA	Soil	QC	QC			A20C067	A20C476
13	0D07056-IBL1	Soil	QC	QC			A20C067	
14	0D07056-ICV1	Soil	QC	QC			A20C067	A20C479
15	0D07056-IBL2	Soil	QC	QC			A20C067	

GH 4/8/20

Data Entered By: AMS 4/8/20

Comments:

Data Reviewed By: MK 4/9/20

Calibration Status Report SV-GCMS14

Method Path : N:\methods\
Method File : SV14_040720_PAH.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Wed Apr 08 10:01:43 2020
Response Via : Initial Calibration

GJH 4/8/20

#	ID	Conc	ISTD Conc	Path\File
1	1.0	1	100	N:\data\2020-04\0D07056\N04072013.D
2	2.0	2	100	N:\data\2020-04\0D07056\N04072014.D
3	5.0	5	100	N:\data\2020-04\0D07056\N04072015.D
4	10.0	10	100	N:\data\2020-04\0D07056\N04072016.D
5	20	20	100	N:\data\2020-04\0D07056\N04072017.D
6	50.0	50	100	N:\data\2020-04\0D07056\N04072018.D
7	100	100	100	N:\data\2020-04\0D07056\N04072019.D
8	200	200	100	N:\data\2020-04\0D07056\N04072020.D
9	400	400	100	N:\data\2020-04\0D07056\N04072021.D
10	600	600	100	N:\data\2020-04\0D07056\N04072022.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 17:38
2	2.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 18:10
3	5.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 18:42
4	10.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 19:28
5	20	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 20:00
6	50.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 20:32
7	100	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 21:04
8	200	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 21:36
9	400	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 22:08
10	600	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 22:40

SV14_040720_PAH.M Wed Apr 08 10:26:23 2020

Response Factor Report SV-GCMS14

Method Path : N:\methods\
Method File : SV14_040720_PAH.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Wed Apr 08 10:01:43 2020
Response Via : Initial Calibration

9/2 9/8/20

Calibration Files
1.0 =N04072013.D 2.0 =N04072014.D 5.0 =N04072015.D 10.0=N04072016.D 20 =N04072017.D 50.0=N04072018.D 100 =N04072019.D
200 =N04072020.D 400 =N04072021.D 600 =N04072022.D

		Compound	1.0	2.0	5.0	10.0	20	50.0	100	200	400	600	Avg	%RSD
1)	I	Naphthalene-d8 (ISTD)	ISTD											4.55
2)	S	Nitrobenzene-d...	0.346	0.316	0.325	0.292	0.305	0.302	0.298	0.308	0.315	0.318	0.312	4.94
3)	T	Decalin		0.070	0.093	0.082	0.076	0.075	0.077	0.076	0.080	0.090	0.080	9.45
4)	T	Naphthalene	1.190	1.149	1.133	1.103	1.102	1.060	1.029	1.048	1.049	1.028	1.089	5.06
5)	T	2-Methylnaphth...	0.683	0.700	0.714	0.704	0.734	0.737	0.723	0.766	0.787	0.767	0.731	4.60
6)	T	1-Methylnaphth...	0.722	0.710	0.703	0.708	0.747	0.733	0.709	0.736	0.763	0.730	0.726	2.66
7)	T	1,1'-Biphenyl	0.998	0.870	0.856	0.892	0.948	0.914	0.881	0.938	0.983	0.938	0.922	5.18
8)	T	2,6-Dimethylna...	0.608	0.585	0.572	0.585	0.650	0.630	0.628	0.674	0.711	0.680	0.632	7.33
9)	I	Acenaphthene-d10 (...	ISTD											4.91
10)	S	2-Fluorobiphen...	1.452	1.546	1.670	1.605	1.567	1.545	1.533	1.524	1.547	1.493	1.548	3.81
11)	T	Acenaphthylene	1.648	1.722	1.754	1.785	1.855	1.929	1.948	1.990	2.037	1.978	1.865	7.06
12)	T	Acenaphthene	1.393	1.401	1.423	1.399	1.383	1.372	1.352	1.336	1.332	1.287	1.368	3.00
13)	T	Dibenzofuran	1.583	1.612	1.655	1.699	1.716	1.650	1.658	1.658	1.695	1.630	1.656	2.46
14)	T	1,6,7-Trimethy...	1.114	1.016	1.034	1.036	1.116	1.061	1.089	1.089	1.121	1.044	1.072	3.60
15)	T	Fluorene	1.408	1.267	1.261	1.296	1.346	1.288	1.300	1.325	1.367	1.293	1.315	3.54
16)	I	Phenanthrene-d10 (...	ISTD											8.64
17)	T	Dibenzothiopene	1.081	0.993	0.995	1.009	1.031	1.025	0.977	1.015	1.005	0.975	1.011	3.07
18)	T	Phenanthrene	1.275	1.193	1.219	1.159	1.152	1.133	1.084	1.117	1.089	1.090	1.151	5.45
19)	T	Anthracene	0.967	0.848	0.879	0.907	0.973	0.952	0.969	0.998	1.017	0.916	0.943	5.69
20)	T	Carbazole	0.768	0.741	0.806	0.829	0.829	0.857	0.860	0.872	0.855	0.720	0.814	6.59
21)	T	1-Methylphenan...	0.730	0.730	0.748	0.765	0.779	0.796	0.791	0.817	0.827	0.778	0.776	4.32
22)	T	Fluoranthene	1.028	1.052	1.086	1.117	1.098	1.145	1.158	1.224	1.258	1.178	1.134	6.43
23)	I	Chrysene-d12 (ISTD)	ISTD											12.22
24)	T	Pyrene	1.297	1.267	1.186	1.290	1.434	1.240	1.245	1.323	1.337	1.353	1.297	5.36
25)	S	Terphenyl-d14 ...	0.994	0.919	0.942	0.984	1.020	0.966	0.940	0.971	0.968	0.959	0.966	3.02
26)	T	Benz(a)anthracene	1.227	1.103	0.979	0.977	0.964	0.992	0.976	1.027	1.066	1.060	1.037	7.88
27)	T	Chrysene	1.105	1.160	1.081	1.041	1.072	1.057	1.034	1.048	1.038	1.029	1.067	3.81
28)	I	Perylene-d12 (ISTD)	ISTD											16.44
29)	T	Benzo(b)fluora...	1.035	0.959	0.949	0.991	1.000	0.998	1.018	1.086	1.138	1.163	1.034	7.03
30)	T	Benzo(k)fluora...	0.978	0.906	0.911	1.002	1.018	1.033	1.089	1.121	1.139	1.109	1.031	8.10
31)	T	Benzo(b+k)fluo...	1.007	1.005	1.020	1.074	1.091	1.072	1.103	1.146	1.179	1.172	1.087	5.96
32)	T	Benzo(e)pyrene	0.955	1.069	1.006	1.054	1.096	1.047	1.075	1.136	1.176	1.196	1.081	6.84
33)	T	Benzo(a)pyrene	0.612	0.636	0.660	0.751	0.778	0.880	0.916	0.974	1.000	0.975	0.818	18.31
34)	T	Perylene		0.838	0.972	1.086	1.118	1.204	1.181	1.201	1.219	1.198	1.113	11.68
35)	I	Dibenz(a,h)Anthrce...	ISTD											13.68
36)	T	Indeno(1,2,3-c...	1.028	1.006	1.030	1.054	1.084	1.071	1.071	1.124	1.168	1.228	1.086	6.33

Method Path : N:\methods\
Method File : SV14_040720_PAH.M
Title : EPA 8270D: Semivolatile Organics

37)	T	Dibenz(a,h)ant...	1.031	0.977	1.093	1.047	1.084	1.094	1.097	1.128	1.200	1.202	1.095	6.40
38)	T	Benzo(g,h,i)pe...	0.965	0.968	1.052	1.081	1.166	1.189	1.224	1.272	1.334	1.402	1.165	12.77

(#) = Out of Range

Compound List Report SV-GCMS14

Method Path : N:\methods\
Method File : SV14_040720_PAH.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Wed Apr 08 10:01:43 2020
Response Via : Initial Calibration

JR 4/8/20

Total Cpnds : 38

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Naphthalene-d8 (ISTD)	136	7.906	1.000	A	2	A	B
2	S	Nitrobenzene-d5 (Surr)	82	7.207	0.912	A	1	A	R
3	T	Decalin	138	7.381	0.934	A	2	A	B
4	T	Naphthalene	128	7.924	1.002	A	2	A	R
5	T	2-Methylnaphthalene	142	8.612	1.089	A	2	A	R
6	T	1-Methylnaphthalene	142	8.711	1.102	A	2	A	R
7	T	1,1'-Biphenyl	154	9.078	1.148	A	2	A	B
8	T	2,6-Dimethylnaphthalene	156	9.235	1.168	A	2	A	R
9	I	Acenaphthene-d10 (ISTD)	162	9.661	1.000	A	2	A	R
10	S	2-Fluorobiphenyl (Surr)	172	8.973	0.929	A	2	A	R
11	T	Acenaphthylene	152	9.515	0.985	A	2	A	R
12	T	Acenaphthene	153	9.696	1.004	A	2	A	R
13	T	Dibenzofuran	168	9.865	1.021	A	2	A	R
14	T	1,6,7-Trimethylnaphthalene	170	10.080	1.043	A	2	A	R
15	T	Fluorene	166	10.215	1.057	A	2	A	R
16	I	Phenanthrene-d10 (ISTD)	188	11.165	1.000	A	2	A	R
17	T	Dibenzothiopene	184	11.066	0.991	A	3	A	R
18	T	Phenanthrene	178	11.188	1.002	A	2	A	R
19	T	Anthracene	178	11.240	1.007	A	2	A	R
20	T	Carbazole	167	11.398	1.021	A	2	A	R
21	T	1-Methylphenanthrene	192	11.817	1.058	A	2	A	R
22	T	Fluoranthene	202	12.459	1.116	A	2	A	R
23	I	Chrysene-d12 (ISTD)	240	14.947	1.000	A	2	A	R
24	T	Pyrene	202	12.750	0.853	A	2	A	R
25	S	Terphenyl-d14 (Surr)	244	12.960	0.867	A	2	A	R
26	T	Benz(a)anthracene	228	14.924	0.998	A	2	A	R
27	T	Chrysene	228	15.006	1.004	A	2	A	R
28	I	Perylene-d12 (ISTD)	264	18.410	1.000	A	2	A	R
29	T	Benzo(b)fluoranthene	252	17.506	0.951	A	2	A	R
30	T	Benzo(k)fluoranthene	252	17.570	0.954	A	2	A	R
31	T	Benzo(b+k)fluoranthene	252	17.570	0.954	A	2	A	R
32	T	Benzo(e)pyrene	252	18.153	0.986	A	2	A	R
33	T	Benzo(a)pyrene	252	18.270	0.992	Q	2	A	R
34	T	Perylene	252	18.473	1.003	A	2	A	R
35	I	Dibenz(a,h)Anthrcene-d14(ISTD)	292	20.794	1.000	A	2	A	R
36	T	Indeno(1,2,3-cd)Pyrene	276	20.794	1.000	A	2	A	R
37	T	Dibenz(a,h)anthracene	278	20.857	1.003	A	2	A	R
38	T	Benzo(g,h,i)perylene	276	21.324	1.026	A	2	A	R

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

SV14_040720_PAH.M Wed Apr 08 10:23:34 2020

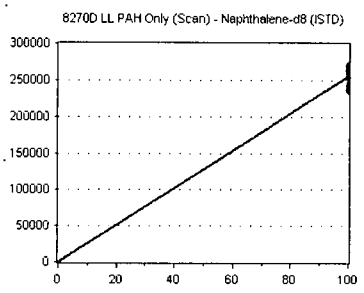
Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

Naphthalene-d8 (ISTD)

Curve Fit: **AVERAGE RF**

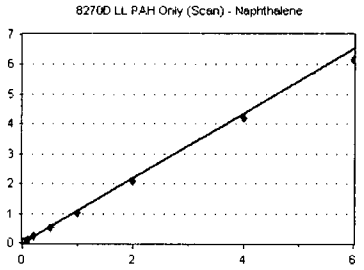


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	243074	2430.740	7.91
0D07056-CAL2	100	243705	2437.050	7.91
0D07056-CAL3	100	254846	2548.460	7.91
0D07056-CAL4	100	270985	2709.850	7.91
0D07056-CAL5	100	258751	2587.510	7.91
0D07056-CAL6	100	265079	2650.790	7.91
0D07056-CAL7	100	270936	2709.360	7.91
0D07056-CAL8	100	259002	2590.020	7.91
0D07056-CAL9	100	255231	2552.310	7.91
0D07056-CALA	100	237171	2371.710	7.91

AVE RF **2558.780** RF RSD **4.55** AVE RT **7.91**

Naphthalene

Curve Fit: **AVERAGE RF**

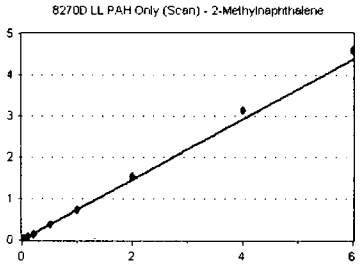


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2892	1.190	7.93
0D07056-CAL2	2	5600	1.149	7.92
0D07056-CAL3	5	14431	1.133	7.92
0D07056-CAL4	10	29903	1.103	7.92
0D07056-CAL5	20	57019	1.102	7.92
0D07056-CAL6	50	140541	1.060	7.92
0D07056-CAL7	100	278907	1.029	7.92
0D07056-CAL8	200	543013	1.048	7.92
0D07056-CAL9	400	1070767	1.049	7.92
0D07056-CALA	600	1463412	1.028	7.92

AVE RF **1.089** RF RSD **5.06** AVE RT **7.92**

2-Methylnaphthalene

Curve Fit: **AVERAGE RF**

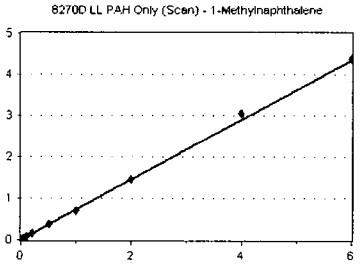


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1659	0.683	8.61
0D07056-CAL2	2	3410	0.700	8.61
0D07056-CAL3	5	9092	0.714	8.61
0D07056-CAL4	10	19067	0.704	8.61
0D07056-CAL5	20	37992	0.734	8.61
0D07056-CAL6	50	97673	0.737	8.61
0D07056-CAL7	100	195774	0.723	8.61
0D07056-CAL8	200	396823	0.766	8.61
0D07056-CAL9	400	803600	0.787	8.61
0D07056-CALA	600	1091692	0.767	8.61

AVE RF **0.731** RF RSD **4.60** AVE RT **8.61**

1-Methylnaphthalene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1756	0.722	8.71
0D07056-CAL2	2	3462	0.710	8.71
0D07056-CAL3	5	8964	0.703	8.71
0D07056-CAL4	10	19186	0.708	8.71
0D07056-CAL5	20	38641	0.747	8.71
0D07056-CAL6	50	97197	0.733	8.71
0D07056-CAL7	100	191985	0.709	8.71
0D07056-CAL8	200	381343	0.736	8.71
0D07056-CAL9	400	778825	0.763	8.71
0D07056-CALA	600	1038153	0.730	8.71

AVE RF **0.726** RF RSD **2.66** AVE RT **8.71**

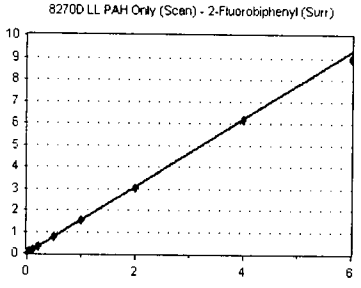
Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

2-Fluorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

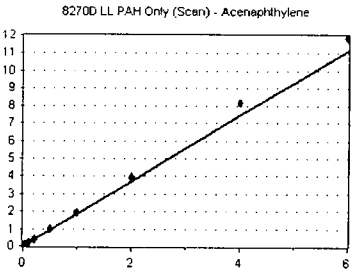


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2174	1.452	8.97
0D07056-CAL2	2	4191	1.546	8.97
0D07056-CAL3	5	10979	1.670	8.97
0D07056-CAL4	10	22576	1.605	8.97
0D07056-CAL5	20	46527	1.567	8.97
0D07056-CAL6	50	113161	1.545	8.97
0D07056-CAL7	100	225961	1.533	8.97
0D07056-CAL8	200	456518	1.524	8.97
0D07056-CAL9	400	957543	1.547	8.97
0D07056-CALA	600	1276915	1.493	8.97

AVE RF **1.548** RF RSD **3.81** AVE RT **8.97**

Acenaphthylene

Curve Fit: **AVERAGE RF**

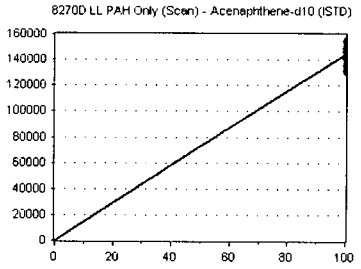


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2466	1.648	9.52
0D07056-CAL2	2	4668	1.722	9.52
0D07056-CAL3	5	11532	1.754	9.52
0D07056-CAL4	10	25120	1.785	9.52
0D07056-CAL5	20	55074	1.855	9.52
0D07056-CAL6	50	141318	1.929	9.52
0D07056-CAL7	100	287167	1.948	9.52
0D07056-CAL8	200	596158	1.990	9.52
0D07056-CAL9	400	1260795	2.037	9.52
0D07056-CALA	600	1692015	1.978	9.52

AVE RF **1.865** RF RSD **7.06** AVE RT **9.52**

Acenaphthene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

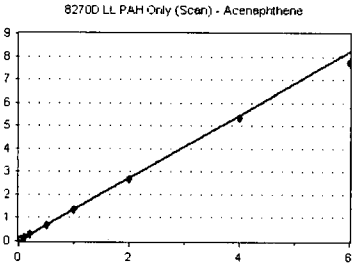


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	149679	1496.790	9.66
0D07056-CAL2	100	135566	1355.660	9.66
0D07056-CAL3	100	131499	1314.990	9.66
0D07056-CAL4	100	140702	1407.020	9.66
0D07056-CAL5	100	148424	1484.240	9.66
0D07056-CAL6	100	146492	1464.920	9.66
0D07056-CAL7	100	147420	1474.200	9.66
0D07056-CAL8	100	149753	1497.530	9.66
0D07056-CAL9	100	154741	1547.410	9.66
0D07056-CALA	100	142544	1425.440	9.66

AVE RF **1446.820** RF RSD **4.91** AVE RT **9.66**

Acenaphthene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2085	1.393	9.70
0D07056-CAL2	2	3799	1.401	9.70
0D07056-CAL3	5	9358	1.423	9.70
0D07056-CAL4	10	19684	1.399	9.70
0D07056-CAL5	20	41060	1.383	9.70
0D07056-CAL6	50	100491	1.372	9.70
0D07056-CAL7	100	199310	1.352	9.70
0D07056-CAL8	200	400273	1.336	9.70
0D07056-CAL9	400	824563	1.332	9.70
0D07056-CALA	600	1100304	1.287	9.70

AVE RF **1.368** RF RSD **3.00** AVE RT **9.70**

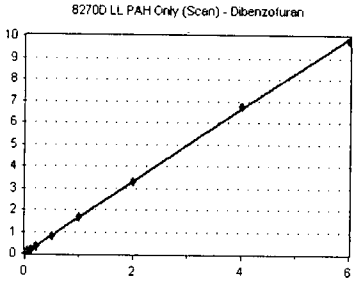
Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

Dibenzofuran

Curve Fit: **AVERAGE RF**

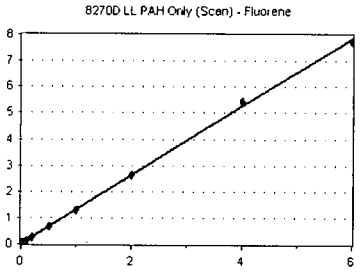


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2370	1.583	9.87
0D07056-CAL2	2	4370	1.612	9.87
0D07056-CAL3	5	10882	1.655	9.87
0D07056-CAL4	10	23912	1.699	9.87
0D07056-CAL5	20	50939	1.716	9.87
0D07056-CAL6	50	120846	1.650	9.87
0D07056-CAL7	100	244430	1.658	9.87
0D07056-CAL8	200	496566	1.658	9.87
0D07056-CAL9	400	1049059	1.695	9.87
0D07056-CALA	600	1394000	1.630	9.87

AVE RF **1.656** RF RSD **2.46** AVE RT **9.87**

Fluorene

Curve Fit: **AVERAGE RF**

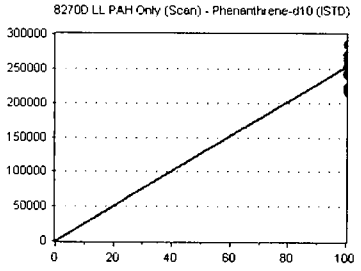


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2108	1.408	10.22
0D07056-CAL2	2	3434	1.267	10.22
0D07056-CAL3	5	8294	1.261	10.22
0D07056-CAL4	10	18241	1.296	10.22
0D07056-CAL5	20	39965	1.346	10.22
0D07056-CAL6	50	94350	1.288	10.22
0D07056-CAL7	100	191718	1.300	10.22
0D07056-CAL8	200	396773	1.325	10.21
0D07056-CAL9	400	846234	1.367	10.22
0D07056-CALA	600	1105549	1.293	10.22

AVE RF **1.315** RF RSD **3.54** AVE RT **10.22**

Phenanthrene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

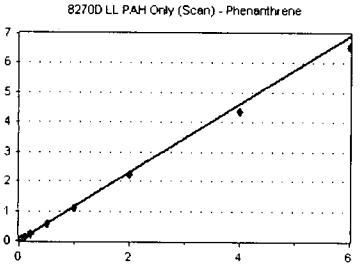


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	271576	2715.760	11.17
0D07056-CAL2	100	223200	2232.000	11.17
0D07056-CAL3	100	216520	2165.200	11.17
0D07056-CAL4	100	243789	2437.890	11.17
0D07056-CAL5	100	266029	2660.290	11.17
0D07056-CAL6	100	242013	2420.130	11.17
0D07056-CAL7	100	265984	2659.840	11.17
0D07056-CAL8	100	262815	2628.150	11.17
0D07056-CAL9	100	286145	2861.450	11.17
0D07056-CALA	100	254222	2542.220	11.17

AVE RF **2532.293** RF RSD **8.64** AVE RT **11.17**

Phenanthrene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	3463	1.275	11.19
0D07056-CAL2	2	5324	1.193	11.19
0D07056-CAL3	5	13195	1.219	11.19
0D07056-CAL4	10	28266	1.159	11.19
0D07056-CAL5	20	61279	1.152	11.19
0D07056-CAL6	50	137147	1.133	11.19
0D07056-CAL7	100	288254	1.084	11.19
0D07056-CAL8	200	586910	1.117	11.19
0D07056-CAL9	400	1246717	1.089	11.19
0D07056-CALA	600	1662195	1.090	11.19

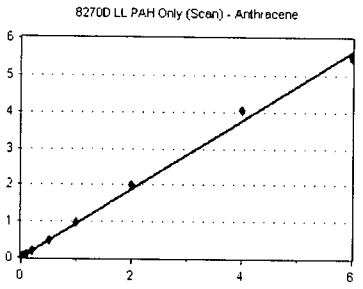
AVE RF **1.151** RF RSD **5.45** AVE RT **11.19**

Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

Anthracene

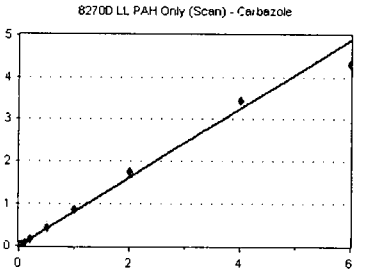


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2627	0.967	11.24
0D07056-CAL2	2	3785	0.848	11.24
0D07056-CAL3	5	9521	0.879	11.24
0D07056-CAL4	10	22111	0.907	11.25
0D07056-CAL5	20	51771	0.973	11.24
0D07056-CAL6	50	115187	0.952	11.24
0D07056-CAL7	100	257805	0.969	11.24
0D07056-CAL8	200	524623	0.998	11.24
0D07056-CAL9	400	1164250	1.017	11.25
0D07056-CALA	600	1396742	0.916	11.25

AVE RF **0.943** RF RSD **5.69** AVE RT **11.24**

Carbazole

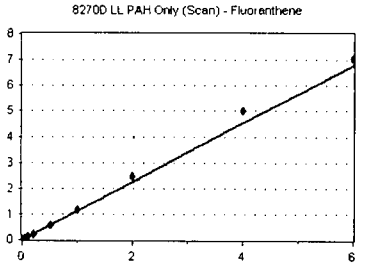


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2085	0.768	11.40
0D07056-CAL2	2	3308	0.741	11.40
0D07056-CAL3	5	8731	0.806	11.40
0D07056-CAL4	10	20204	0.829	11.40
0D07056-CAL5	20	44104	0.829	11.40
0D07056-CAL6	50	103743	0.857	11.40
0D07056-CAL7	100	228806	0.860	11.40
0D07056-CAL8	200	458445	0.872	11.40
0D07056-CAL9	400	979119	0.855	11.40
0D07056-CALA	600	1098601	0.720	11.40

AVE RF **0.814** RF RSD **6.59** AVE RT **11.40**

Fluoranthene

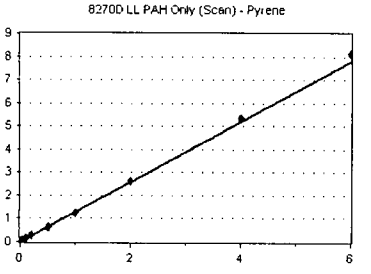


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2793	1.028	12.46
0D07056-CAL2	2	4694	1.052	12.46
0D07056-CAL3	5	11760	1.086	12.46
0D07056-CAL4	10	27227	1.117	12.46
0D07056-CAL5	20	58425	1.098	12.46
0D07056-CAL6	50	138576	1.145	12.46
0D07056-CAL7	100	308063	1.158	12.46
0D07056-CAL8	200	643616	1.224	12.46
0D07056-CAL9	400	1439355	1.258	12.46
0D07056-CALA	600	1796405	1.178	12.47

AVE RF **1.134** RF RSD **6.43** AVE RT **12.46**

Pyrene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2915	1.297	12.75
0D07056-CAL2	2	4749	1.267	12.75
0D07056-CAL3	5	12228	1.186	12.75
0D07056-CAL4	10	28915	1.290	12.75
0D07056-CAL5	20	61609	1.434	12.75
0D07056-CAL6	50	148125	1.240	12.75
0D07056-CAL7	100	328255	1.245	12.75
0D07056-CAL8	200	678143	1.323	12.75
0D07056-CAL9	400	1513534	1.337	12.76
0D07056-CALA	600	1875198	1.353	12.76

AVE RF **1.297** RF RSD **5.36** AVE RT **12.75**

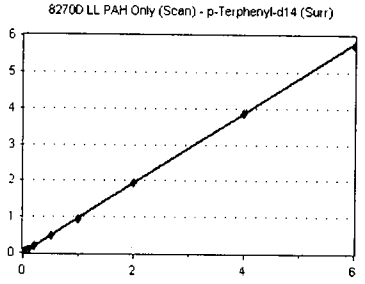
Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

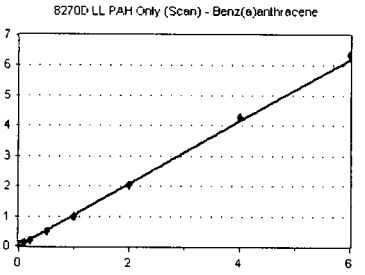


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2235	0.994	12.95
0D07056-CAL2	2	3444	0.919	12.95
0D07056-CAL3	5	9709	0.942	12.95
0D07056-CAL4	10	22061	0.984	12.96
0D07056-CAL5	20	43811	1.020	12.96
0D07056-CAL6	50	115369	0.966	12.96
0D07056-CAL7	100	247933	0.940	12.95
0D07056-CAL8	200	497857	0.971	12.96
0D07056-CAL9	400	1096177	0.968	12.96
0D07056-CALA	600	1328709	0.959	12.96

AVE RF **0.966** RF RSD **3.02** AVE RT **12.96**

Benz(a)anthracene

Curve Fit: **AVERAGE RF**

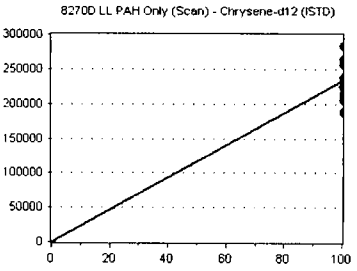


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2758	1.227	14.92
0D07056-CAL2	2	4134	1.103	14.92
0D07056-CAL3	5	10093	0.979	14.92
0D07056-CAL4	10	21888	0.977	14.93
0D07056-CAL5	20	41414	0.964	14.92
0D07056-CAL6	50	118477	0.992	14.92
0D07056-CAL7	100	257406	0.976	14.92
0D07056-CAL8	200	526616	1.027	14.93
0D07056-CAL9	400	1207333	1.066	14.94
0D07056-CALA	600	1469312	1.060	14.94

AVE RF **1.037** RF RSD **7.88** AVE RT **14.93**

Chrysene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

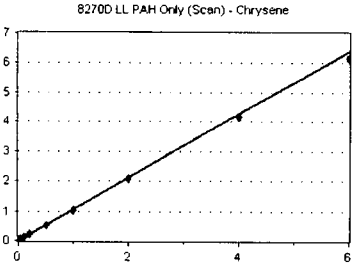


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	224745	2247.450	14.95
0D07056-CAL2	100	187464	1874.640	14.94
0D07056-CAL3	100	206205	2062.050	14.95
0D07056-CAL4	100	224123	2241.230	14.95
0D07056-CAL5	100	214808	2148.080	14.95
0D07056-CAL6	100	238949	2389.490	14.95
0D07056-CAL7	100	263757	2637.570	14.95
0D07056-CAL8	100	256376	2563.760	14.95
0D07056-CAL9	100	283021	2830.210	14.95
0D07056-CALA	100	231029	2310.290	14.95

AVE RF **2330.477** RF RSD **12.22** AVE RT **14.95**

Chrysene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2483	1.105	15.01
0D07056-CAL2	2	4350	1.160	15.00
0D07056-CAL3	5	11149	1.081	15.01
0D07056-CAL4	10	23333	1.041	15.01
0D07056-CAL5	20	46060	1.072	15.01
0D07056-CAL6	50	126277	1.057	15.01
0D07056-CAL7	100	272605	1.034	15.01
0D07056-CAL8	200	537553	1.048	15.01
0D07056-CAL9	400	1174861	1.038	15.02
0D07056-CALA	600	1426972	1.029	15.02

AVE RF **1.067** RF RSD **3.81** AVE RT **15.01**

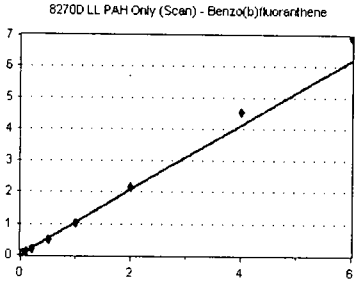
Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

Benzo(b)fluoranthene

Curve Fit: **AVERAGE RF**

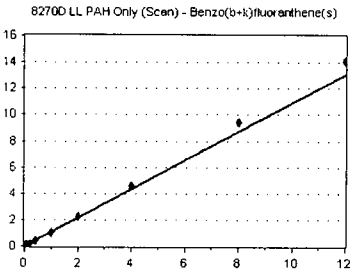


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1958	1.035	17.50
0D07056-CAL2	2	3031	0.959	17.50
0D07056-CAL3	5	8620	0.949	17.50
0D07056-CAL4	10	20389	0.991	17.51
0D07056-CAL5	20	37506	1.000	17.51
0D07056-CAL6	50	116347	0.998	17.51
0D07056-CAL7	100	253202	1.018	17.51
0D07056-CAL8	200	536283	1.086	17.51
0D07056-CAL9	400	1217211	1.138	17.52
0D07056-CALA	600	1548382	1.163	17.52

AVE RF **1.034** RF RSD **7.03** AVE RT **17.51**

Benzo(b+k)fluoranthene(s)

Curve Fit: **AVERAGE RF**

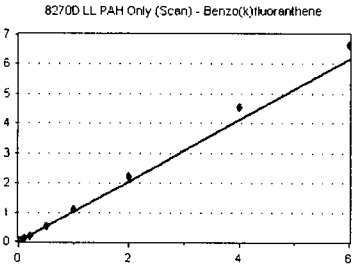


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	2	3809	1.007	17.50
0D07056-CAL2	4	6349	1.005	17.50
0D07056-CAL3	10	18526	1.020	17.50
0D07056-CAL4	20	44218	1.074	17.58
0D07056-CAL5	40	81846	1.091	17.57
0D07056-CAL6	100	249964	1.072	17.57
0D07056-CAL7	200	548680	1.103	17.57
0D07056-CAL8	400	1132360	1.146	17.58
0D07056-CAL9	800	2523866	1.179	17.59
0D07056-CALA	1200	3120142	1.172	17.59

AVE RF **1.087** RF RSD **5.96** AVE RT **17.55**

Benzo(k)fluoranthene

Curve Fit: **AVERAGE RF**

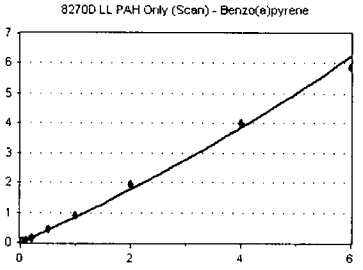


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1851	0.978	17.56
0D07056-CAL2	2	2864	0.906	17.56
0D07056-CAL3	5	8275	0.911	17.56
0D07056-CAL4	10	20616	1.002	17.58
0D07056-CAL5	20	38178	1.018	17.57
0D07056-CAL6	50	120385	1.033	17.57
0D07056-CAL7	100	270754	1.089	17.57
0D07056-CAL8	200	553475	1.121	17.58
0D07056-CAL9	400	1218167	1.139	17.59
0D07056-CALA	600	1475774	1.109	17.59

AVE RF **1.031** RF RSD **8.10** AVE RT **17.57**

Benzo(a)pyrene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1158	0.612	18.26
0D07056-CAL2	2	2009	0.636	18.26
0D07056-CAL3	5	5994	0.660	18.26
0D07056-CAL4	10	15453	0.751	18.28
0D07056-CAL5	20	29191	0.778	18.27
0D07056-CAL6	50	102540	0.880	18.27
0D07056-CAL7	100	227825	0.916	18.27
0D07056-CAL8	200	480916	0.974	18.28
0D07056-CAL9	400	1069564	1.000	18.29
0D07056-CALA	600	1297353	0.975	18.29

AVE RF **0.818** RF RSD **18.31** AVE RT **18.27**

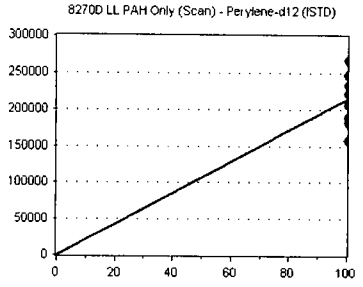
Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

Perylene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

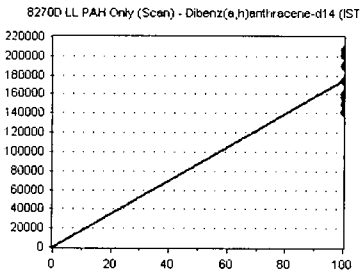


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	189170	1891.700	18.41
0D07056-CAL2	100	158010	1580.100	18.41
0D07056-CAL3	100	181653	1816.530	18.41
0D07056-CAL4	100	205793	2057.930	18.42
0D07056-CAL5	100	187485	1874.850	18.41
0D07056-CAL6	100	233103	2331.030	18.41
0D07056-CAL7	100	248613	2486.130	18.42
0D07056-CAL8	100	246957	2469.570	18.42
0D07056-CAL9	100	267480	2674.800	18.42
0D07056-CALA	100	221821	2218.210	18.42

AVE RF **2140.085** RF RSD **16.44** AVE RT **18.41**

Dibenz(a,h)anthracene-d14 (ISTD

Curve Fit: **AVERAGE RF**

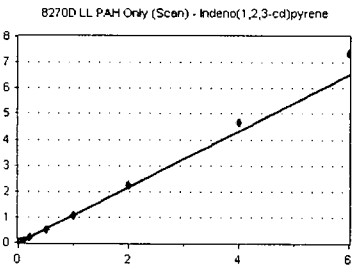


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	160677	1606.770	20.79
0D07056-CAL2	100	141496	1414.960	20.79
0D07056-CAL3	100	160102	1601.020	20.79
0D07056-CAL4	100	175208	1752.080	20.80
0D07056-CAL5	100	149877	1498.770	20.79
0D07056-CAL6	100	190743	1907.430	20.79
0D07056-CAL7	100	201252	2012.520	20.79
0D07056-CAL8	100	201443	2014.430	20.79
0D07056-CAL9	100	206453	2064.530	20.81
0D07056-CALA	100	157020	1570.200	20.81

AVE RF **1744.271** RF RSD **13.68** AVE RT **20.79**

Indeno(1,2,3-cd)pyrene

Curve Fit: **AVERAGE RF**

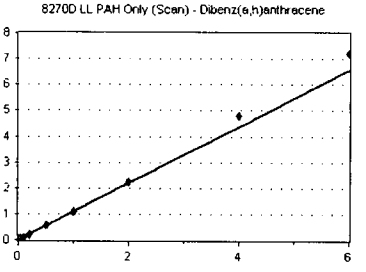


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1652	1.028	20.79
0D07056-CAL2	2	2847	1.006	20.79
0D07056-CAL3	5	8244	1.030	20.79
0D07056-CAL4	10	18462	1.054	20.80
0D07056-CAL5	20	32482	1.084	20.79
0D07056-CAL6	50	102100	1.071	20.79
0D07056-CAL7	100	215605	1.071	20.79
0D07056-CAL8	200	452810	1.124	20.80
0D07056-CAL9	400	964615	1.168	20.81
0D07056-CALA	600	1156472	1.228	20.81

AVE RF **1.086** RF RSD **6.33** AVE RT **20.80**

Dibenz(a,h)anthracene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1657	1.031	20.86
0D07056-CAL2	2	2764	0.977	20.85
0D07056-CAL3	5	8753	1.093	20.85
0D07056-CAL4	10	18337	1.047	20.86
0D07056-CAL5	20	32488	1.084	20.86
0D07056-CAL6	50	104317	1.094	20.86
0D07056-CAL7	100	220763	1.097	20.86
0D07056-CAL8	200	454575	1.128	20.86
0D07056-CAL9	400	991281	1.200	20.88
0D07056-CALA	600	1132840	1.202	20.88

AVE RF **1.095** RF RSD **6.40** AVE RT **20.86**

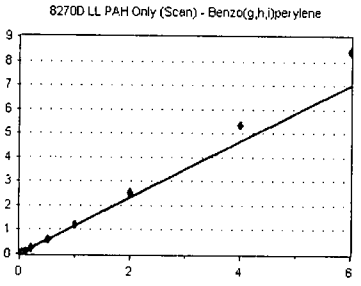
Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

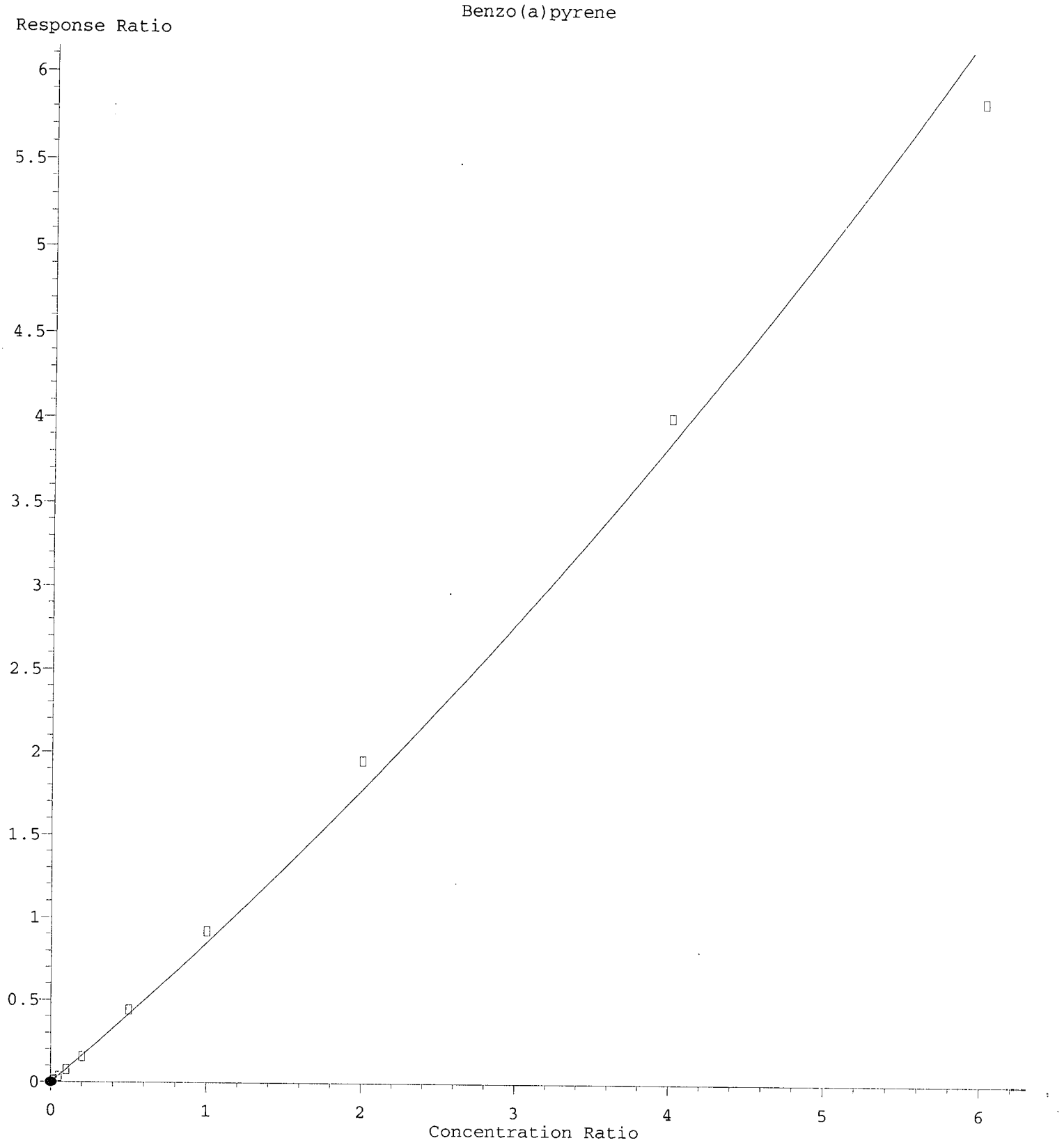
Benzo(g,h,i)perylene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1550	0.965	21.32
0D07056-CAL2	2	2738	0.968	21.32
0D07056-CAL3	5	8418	1.052	21.32
0D07056-CAL4	10	18938	1.081	21.33
0D07056-CAL5	20	34943	1.166	21.32
0D07056-CAL6	50	113428	1.189	21.32
0D07056-CAL7	100	246409	1.224	21.33
0D07056-CAL8	200	512635	1.272	21.34
0D07056-CAL9	400	1102019	1.334	21.35
0D07056-CALA	600	1320462	1.402	21.35

AVE RF **1.165** RF RSD **12.77** AVE RT **21.33**

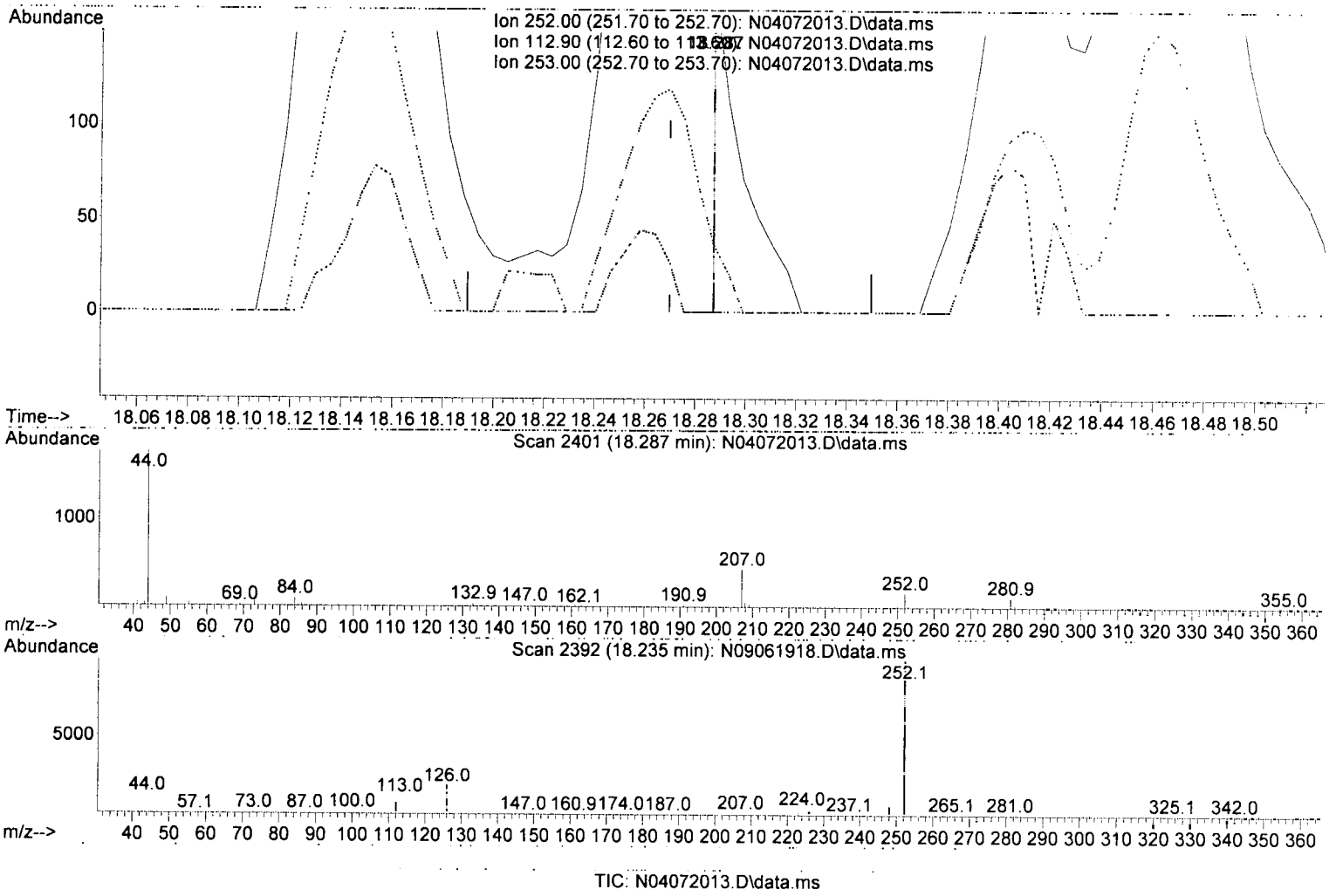


R = 3.79e-002 A*A + 8.13e-001 A - 2.52e-003
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)
Method Name: N:\methods\SV14_040720_PAH.M
Calibration Table Last Updated: Wed Apr 08 10:21:49 2020

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\REQUANT\
Data File : N04072013.D
Acq On : 07 Apr 2020 17:38
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL1
Misc : 1x, A20C467@1PPB
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:18 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 10:01:43 2020
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N04072013.D\data.ms

(33) Benzo(a)pyrene (T)

18.287min (+ 0.017) 0.38 ng/ml m

response 102

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	0.00
253.00	21.90	20.34
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D07056

Analysis Included

8270D LL PAH Only (Scan)

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0D07056-TUN1	MS Tune	Soil	A20C407	A20C067	4/7/2020 4:40:00PM
0D07056-ICB1	Initial Cal Blank	Soil		A20C067	4/7/2020 5:07:00PM
0D07056-CAL1	Cal Standard	Soil	A20C467	"	4/7/2020 5:38:00PM
0D07056-CAL2	Cal Standard	Soil	A20C468	"	4/7/2020 6:10:00PM
0D07056-CAL3	Cal Standard	Soil	A20C469	"	4/7/2020 6:42:00PM
0D07056-CAL4	Cal Standard	Soil	A20C470	"	4/7/2020 7:28:00PM
0D07056-CAL5	Cal Standard	Soil	A20C471	"	4/7/2020 8:00:00PM
0D07056-CAL6	Cal Standard	Soil	A20C472	"	4/7/2020 8:32:00PM
0D07056-CAL7	Cal Standard	Soil	A20C473	"	4/7/2020 9:04:00PM
0D07056-CAL8	Cal Standard	Soil	A20C474	"	4/7/2020 9:36:00PM
0D07056-CAL9	Cal Standard	Soil	A20C475	"	4/7/2020 10:08:00PM
0D07056-CALA	Cal Standard	Soil	A20C476	"	4/7/2020 10:40:00PM
0D07056-ICV1	Initial Cal Check	Soil	A20C479	"	4/7/2020 11:44:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0D0804** Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan) Sequence: 0D07056 Matrix: Soil

0D07056-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D07056

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
				———	☐	☐ ———

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D0804** Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan) Sequence: **0D07056** Matrix: **Soil**

0D07056-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

Data Path : N:\data\2020-04\0D07056\
Data File : N04072024.D
Acq On : 07 Apr 2020 23:44
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICV1
Misc : 1x, A20C479@50PPB
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:58 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 10:01:43 2020
Response via : Initial Calibration
InstName : SV-GCMS14

GJB 4/8/20

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	100	0.00
2	S	Nitrobenzene-d5 (Surr)	50.000	38.067	23.9	79	0.00
3	T	Decalin	50.000	41.463	17.1	88	0.00
4	T	Naphthalene	50.000	46.475	7.0	96	0.00
5	T	2-Methylnaphthalene	50.000	49.193	1.6	98	0.00
6	T	1-Methylnaphthalene	50.000	49.741	0.5	99	0.00
7	T	1,1'-Biphenyl	50.000	50.032	-0.1	101	0.00
8	T	2,6-Dimethylnaphthalene	50.000	50.010	-0.0	101	0.00
9	I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	99	0.00
10	S	2-Fluorobiphenyl (Surr)	50.000	51.187	-2.4	102	0.00
11	T	Acenaphthylene	50.000	50.464	-0.9	97	0.00
12	T	Acenaphthene	50.000	50.180	-0.4	99	0.00
13	T	Dibenzofuran	50.000	52.969	-5.9	105	0.00
14	T	1,6,7-Trimethylnaphthalene	50.000	51.548	-3.1	103	0.00
15	T	Fluorene	50.000	51.338	-2.7	104	0.00
16	I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	109	0.00
17	T	Dibenzothiopene	50.000	46.957	6.1	101	0.00
18	T	Phenanthrene	50.000	49.287	1.4	109	0.00
19	T	Anthracene	50.000	49.565	0.9	107	0.00
20	T	Carbazole	50.000	49.867	0.3	103	0.00
21	T	1-Methylphenanthrene	50.000	50.546	-1.1	107	0.00
22	T	Fluoranthene	50.000	48.648	2.7	105	0.00
23	I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	88	0.00
24	T	Pyrene	50.000	56.518	-13.0	104	0.00
25	S	Terphenyl-d14 (Surr)	50.000	51.739	-3.5	91	0.00
26	T	Benz(a)anthracene	50.000	46.660	6.7	86	0.00
27	T	Chrysene	50.000	51.045	-2.1	90	0.00
28	I	Perylene-d12 (ISTD)	100.000	100.000	0.0	83	0.00
29	T	Benzo(b)fluoranthene	50.000	46.576	6.8	80	0.00
30	T	Benzo(k)fluoranthene	50.000	49.454	1.1	82	0.00
31	T	Benzo(b+k)fluoranthene	100.000	97.550	2.5	82	0.00
32	T	Benzo(e)pyrene	50.000	49.681	0.6	85	0.00
33	T	Benzo(a)pyrene	50.000	49.592	0.8	78	0.00
34	T	Perylene	50.000	52.757	-5.5	81	0.00
35	I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	79	0.00
36	T	Indeno(1,2,3-cd)Pyrene	50.000	47.755	4.5	76	0.00
37	T	Dibenz(a,h)anthracene	50.000	48.550	2.9	76	0.00
38	T	Benzo(g,h,i)perylene	50.000	52.008	-4.0	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072011.D
Acq On : 07 Apr 2020 16:40
Operator : JK/ AMS/ DTH
Sample : 0D07056-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
Quant Method : N:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Apr 08 09:38:16 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 4/8/20

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.653	150	240709	2.00	ug/mL		0.00
2) Naphthalene-d8	7.854	136	713167	2.00	ug/mL		0.00
3) Acenaphthene-d10	9.620	162	406349	2.00	ug/mL		0.00
5) Phenanthrene-d10	11.130	188	757910	2.00	ug/mL		0.00
11) Chrysene-d12	14.819	240	611764	2.00	ug/mL		0.00
12) Perylene-d12	16.842	264	570030	2.00	ug/mL		0.00
13) Dibenz(a,h)anthracene-...	18.066	292	501838	2.00	ug/mL	#	0.00
Target Compounds							Qvalue
4) Pentachlorophenol	10.949	266	1845493	48.09	ug/mL		83
6) DFTPP	11.427	442	2747851	44.91	ug/mL	#	69
7) Benzidine	12.593	184	7014847	26.02	ug/mL		98
8) 4,4-DDE	12.837	TIC	341628	No Calib			
9) 4,4-DDD	13.345	TIC	396978	No Calib			
10) 4,4-DDT	13.916	TIC	24135849	31.05	ug/mL		95

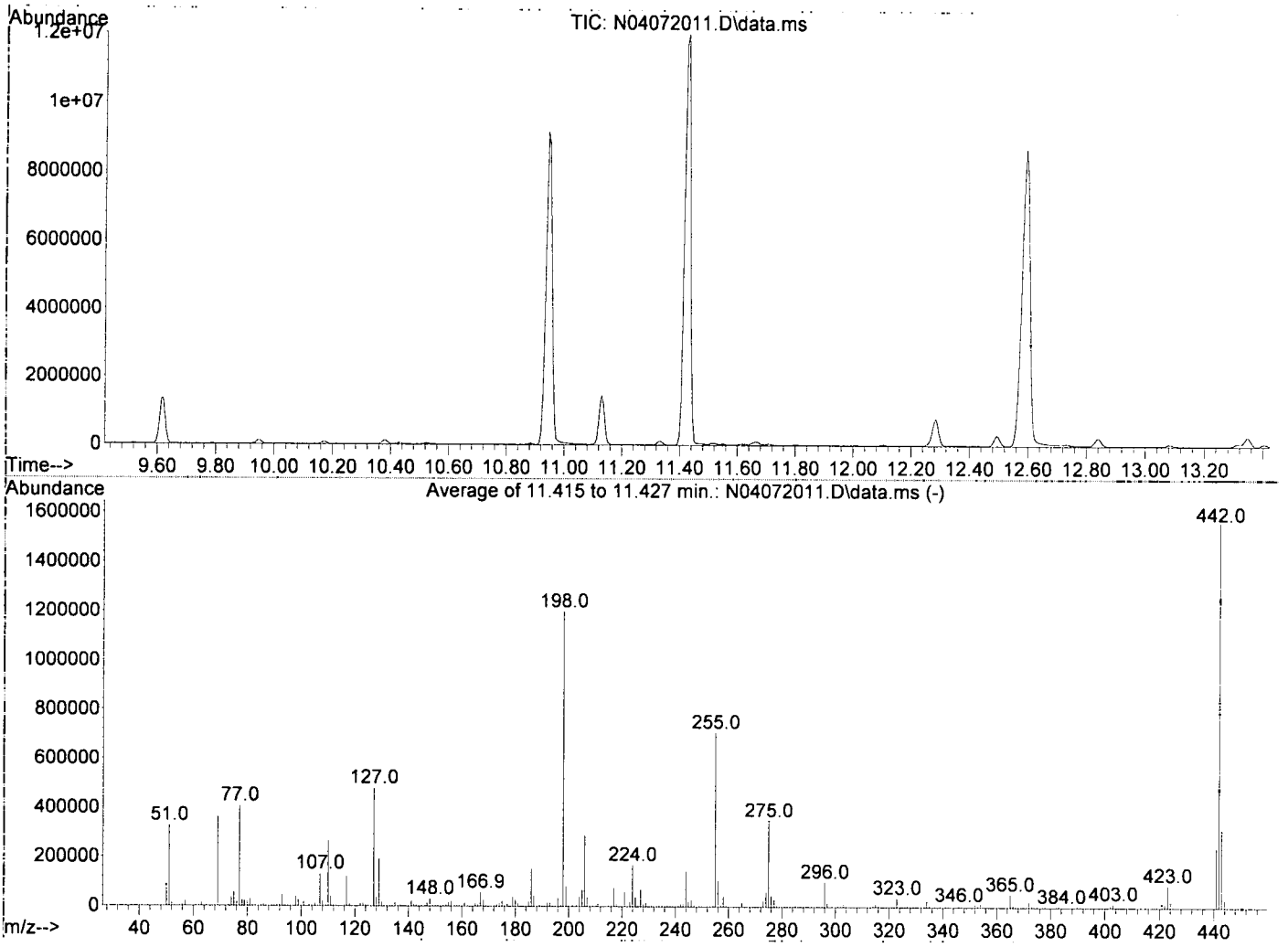
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\
Data File : N04072011.D
Acq On : 07 Apr 2020 16:40
Operator : JK/ AMS/ DTH
Sample : 0D07056-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : N:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Wed Apr 08 09:38:16 2020

JK 4/8/20



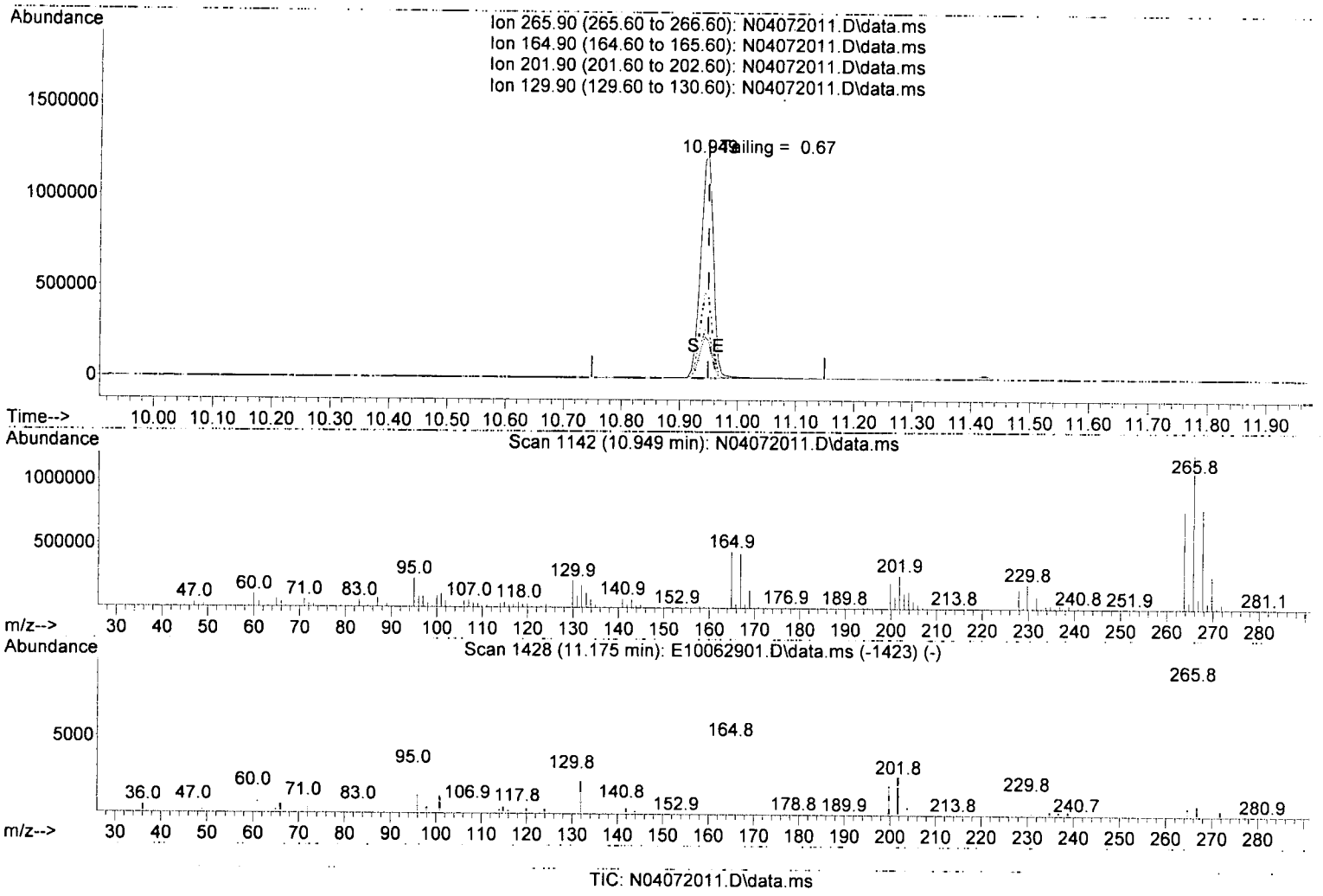
AutoFind: Scans 1222, 1223, 1224; Background Corrected with Scan 1216

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	6083	PASS
69	69	100	100	100.0	365241	PASS
70	69	0.00	2	0.5	1854	PASS
197	198	0.00	2	0.5	6580	PASS
198	198	100	100	100.0	1198699	PASS
199	198	5	9	6.9	82376	PASS
365	198	1	100	4.3	51179	PASS
441	443	0.01	150	77.3	240704	PASS
442	198	0.10	200	130.5	1564779	PASS
443	442	15	24	19.9	311317	PASS

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072011.D
Acq On : 07 Apr 2020 16:40
Operator : JK/ AMS/ DTH
Sample : 0D07056-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
Quant Method : N:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Apr 08 09:38:16 2020
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N04072011.D\data.ms

(4) Pentachlorophenol

10.949min (0.000) 48.09 ug/mL

response 1845493

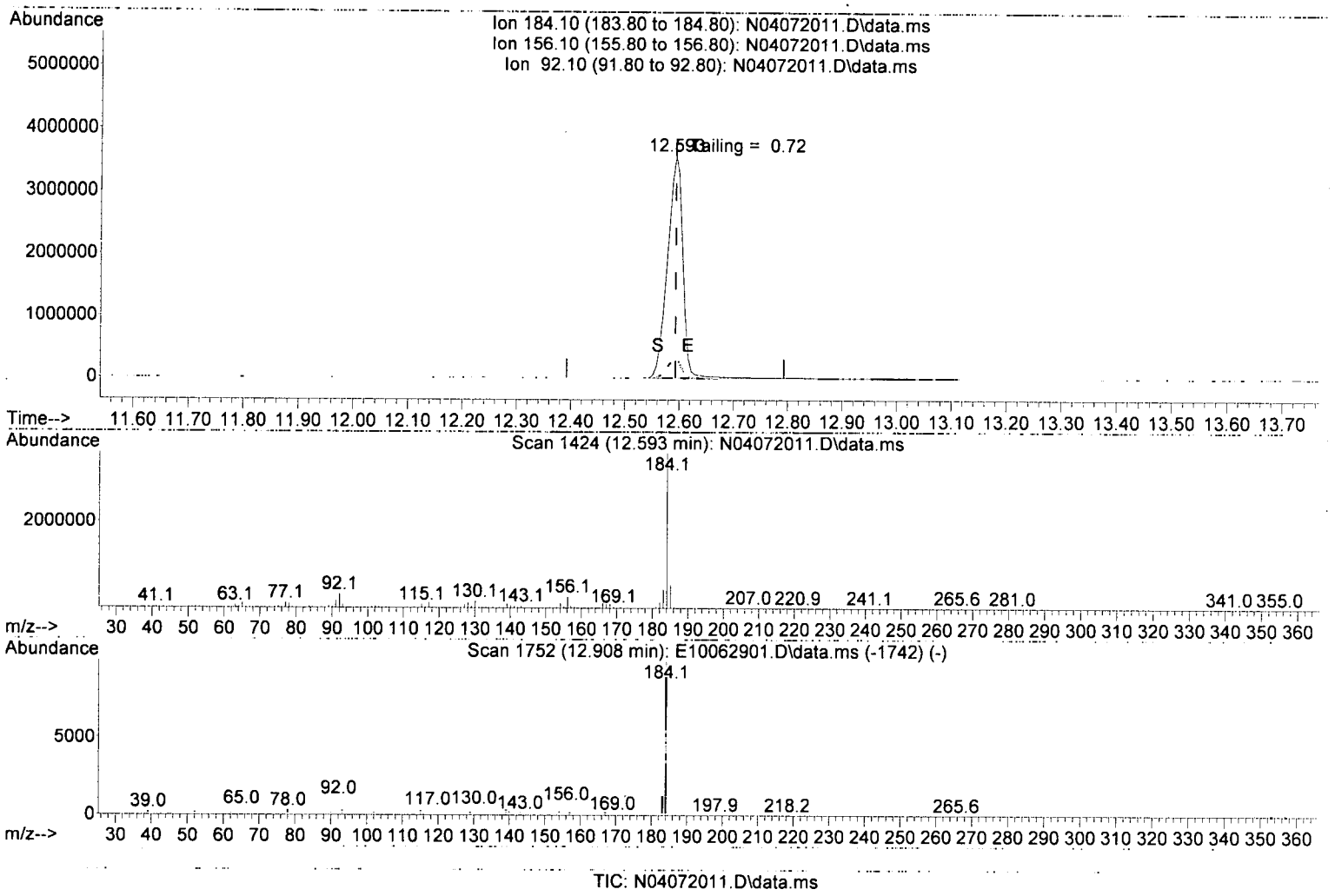
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	36.50
201.90	25.80	21.24
129.90	27.30	17.26

4/8/20

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072011.D
Acq On : 07 Apr 2020 16:40
Operator : JK/ AMS/ DTH
Sample : 0D07056-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
Quant Method : N:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Apr 08 09:38:16 2020
Response via : Initial Calibration
InstName : SV-GCMS14



TIC: N04072011.D\data.ms

(7) Benzidine

12.593min (0.000) 26.02 ug/mL

response 7014847

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.22
92.10	8.20	8.66
0.00	0.00	0.00

4/8/20

DDT Breakdown Check (Validated 5/1/2013)

From:
0D07056-TUN1
SV-GCMS14

First Column Area Counts		Percent Breakdown	
DDE	341628		
DDD	396978		
DDT	24135849	2.97	PASS

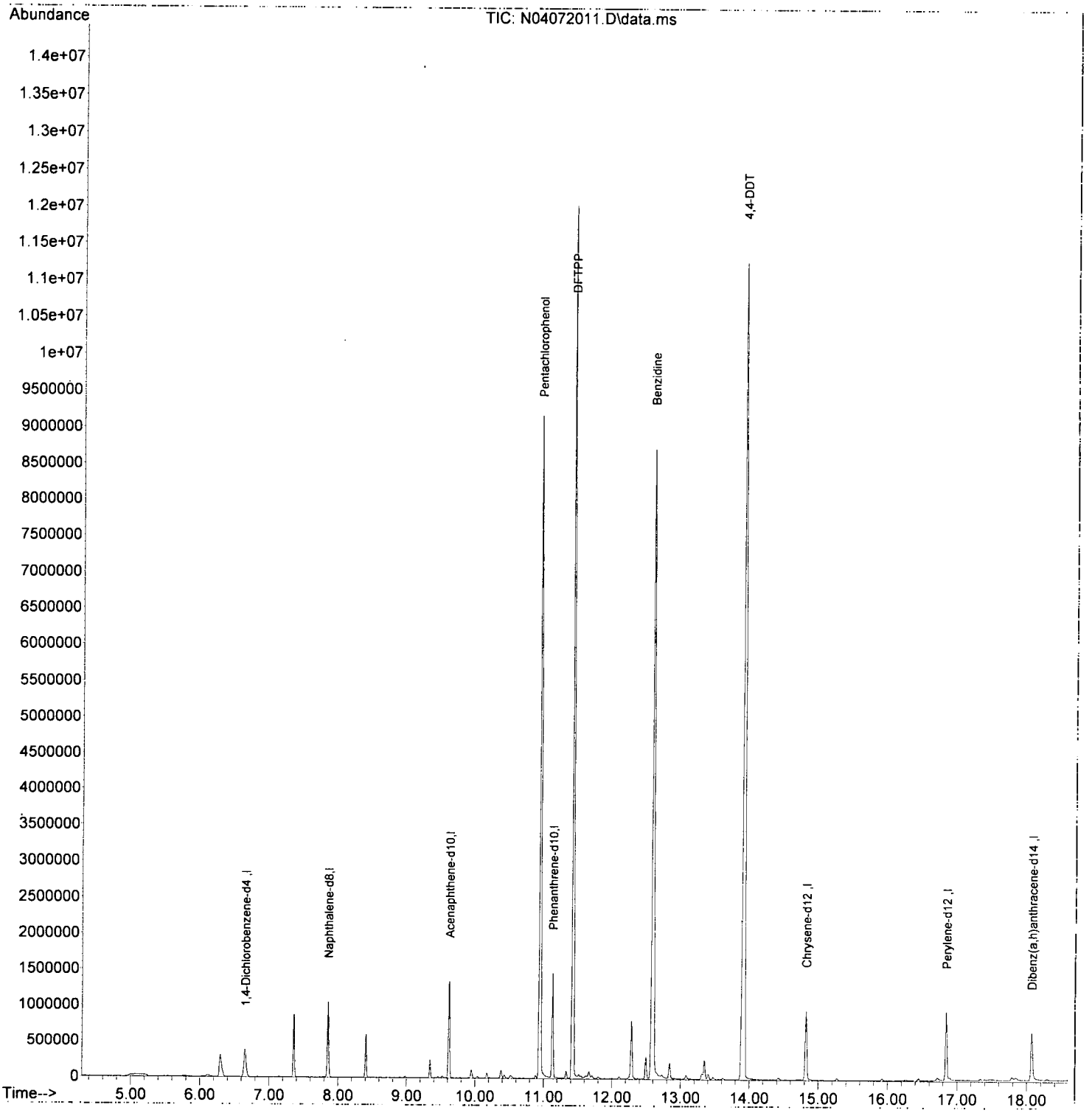
J
GK 4/8/20

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072011.D
Acq On : 07 Apr 2020 16:40
Operator : JK/ AMS/ DTH
Sample : 0D07056-TUN1
Misc : 1x, A20C407 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
Quant Method : N:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Apr 08 09:38:16 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072012.D
Acq On : 07 Apr 2020 17:07
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICB1
Misc : 1x, DCM+ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:04 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 4/8/20

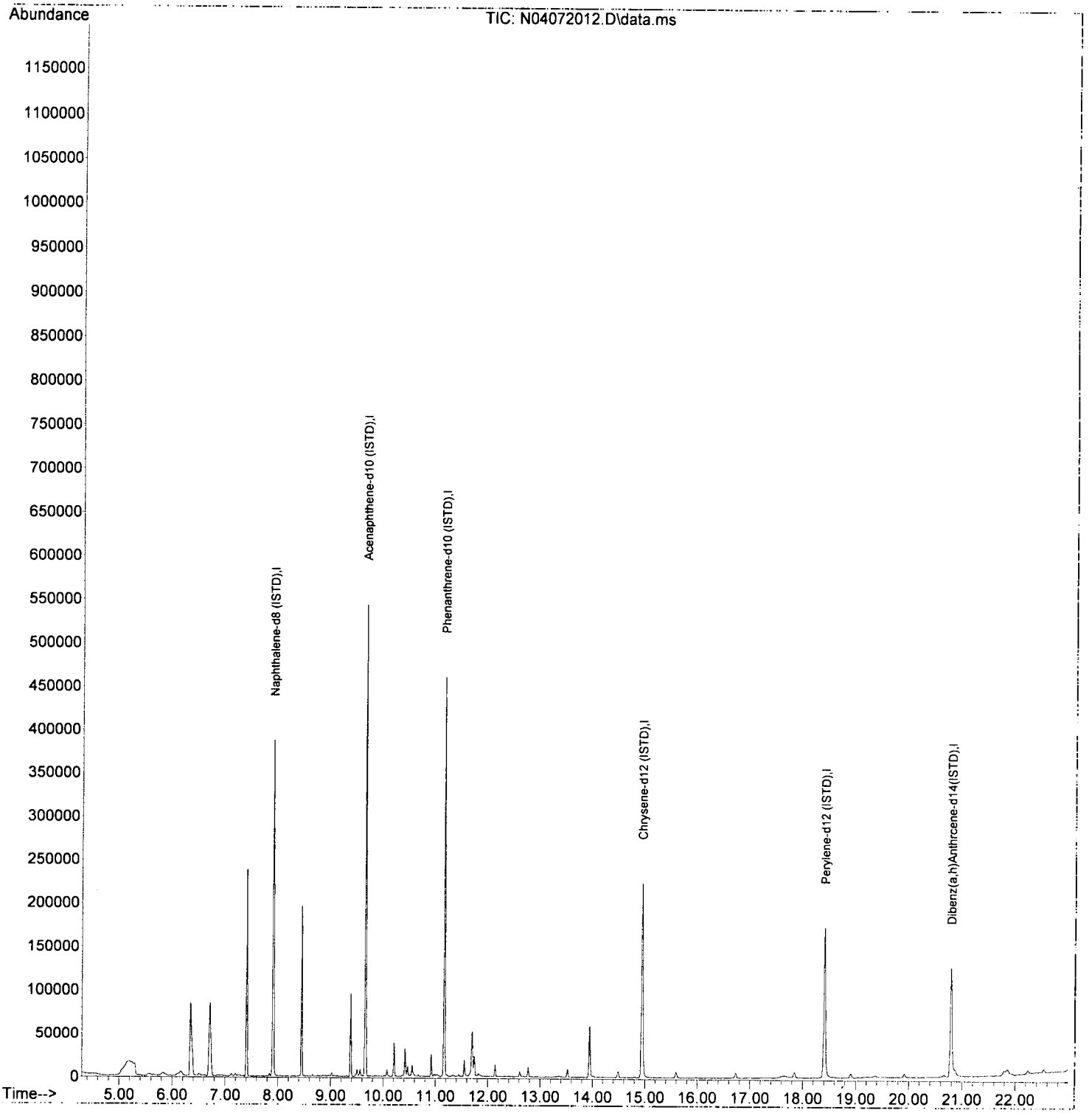
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	278751	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	161180	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	252730	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	175674	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	149144	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.788	292	126750	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	178	0.29	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	248	0.09	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	284	0.17	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.936	128	452	N.D.		
5) 2-Methylnaphthalene	8.612	142	80	N.D.		
6) 1-Methylnaphthalene	0.000		0	N.D.		
7) 1,1'-Biphenyl	9.078	154	289	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	9.521	152	86	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	9.865	168	94	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.075	170	51	N.D.		
15) Fluorene	10.215	166	103	N.D.		
17) Dibenzothiopene	11.066	184	278	N.D.		
18) Phenanthrene	11.188	178	313	N.D.		
19) Anthracene	11.188	178	300	N.D.		
20) Carbazole	11.398	167	106	N.D.		
21) 1-Methylphenanthrene	11.818	192	50	N.D.		
22) Fluoranthene	12.459	202	59	N.D.		
24) Pyrene	12.750	202	69	N.D.		
26) Benz(a)anthracene	14.942	228	504	N.D.		
27) Chrysene	14.994	228	96	N.D.		
29) Benzo(b)fluoranthene	0.000		0	N.D.		
30) Benzo(k)fluoranthene	0.000		0	N.D.		
31) Benzo(b+k)fluoranthene	0.000		0	N.D.		
32) Benzo(e)pyrene	18.410	252	471	N.D.		
33) Benzo(a)pyrene	0.000		0	N.D.		
34) Perylene	18.474	252	71	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.788	276	97	N.D.		
37) Dibenz(a,h)anthracene	0.000		0	N.D.		
38) Benzo(g,h,i)perylene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072012.D
Acq On : 07 Apr 2020 17:07
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICB1
Misc : 1x, DCM+ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:04 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072012.D
Acq On : 07 Apr 2020 17:07
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICB1
Misc : 1x, DCM+ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Final Reqmnt

Quant Time: Apr 08 10:25:50 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 10:01:43 2020
Response via : Initial Calibration
InstName : SV-GCMS14

4/8/20

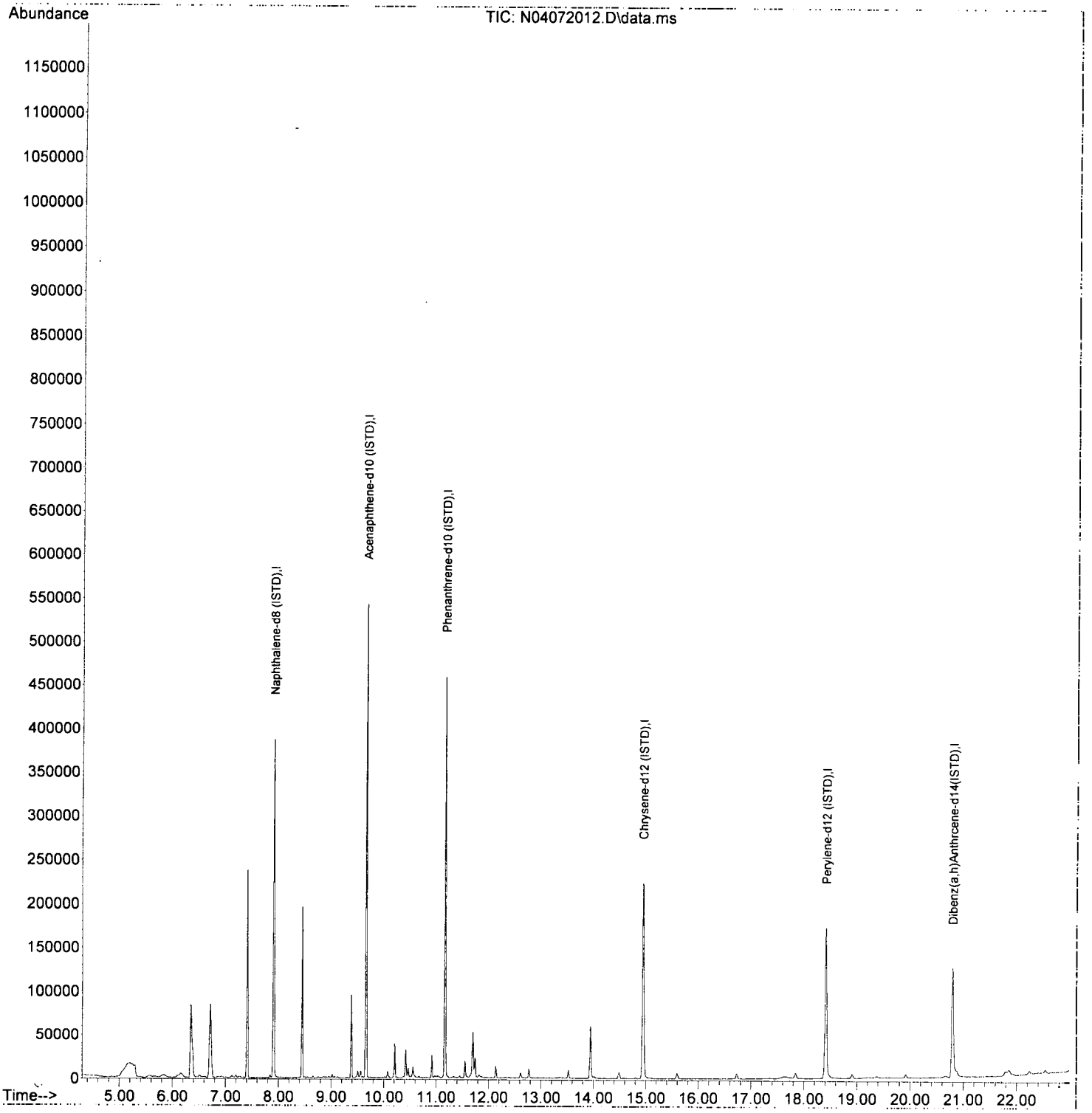
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	278751	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	161180	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	252730	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	175674	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	149144	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.788	292	126750	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	178	0.20	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	248	0.10	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	284	0.17	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.936	128	452	N.D.		
5) 2-Methylnaphthalene	8.612	142	80	N.D.		
6) 1-Methylnaphthalene	0.000		0	N.D.		
7) 1,1'-Biphenyl	9.078	154	289	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	9.521	152	86	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	9.865	168	94	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.075	170	51	N.D.		
15) Fluorene	10.215	166	103	N.D.		
17) Dibenzothiopene	11.066	184	278	N.D.		
18) Phenanthrene	11.188	178	313	N.D.		
19) Anthracene	11.188	178	300	N.D.		
20) Carbazole	11.398	167	106	N.D.		
21) 1-Methylphenanthrene	11.818	192	50	N.D.		
22) Fluoranthene	12.459	202	59	N.D.		
24) Pyrene	12.750	202	69	N.D.		
26) Benz(a)anthracene	14.942	228	504	N.D.		
27) Chrysene	14.994	228	96	N.D.		
29) Benzo(b)fluoranthene	0.000		0	N.D.		
30) Benzo(k)fluoranthene	0.000		0	N.D.		
31) Benzo(b+k)fluoranthene	0.000		0	N.D.		
32) Benzo(e)pyrene	18.410	252	471	N.D.		
33) Benzo(a)pyrene	0.000		0	N.D.		
34) Perylene	18.474	252	71	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.788	276	97	N.D.		
37) Dibenz(a,h)anthracene	0.000		0	N.D.		
38) Benzo(g,h,i)perylene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072012.D
Acq On : 07 Apr 2020 17:07
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICB1
Misc : 1x, DCM+ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:50 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 10:01:43 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072013.D
Acq On : 07 Apr 2020 17:38
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL1
Misc : 1x, A20C467@1PPB
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:13 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 4/8/20

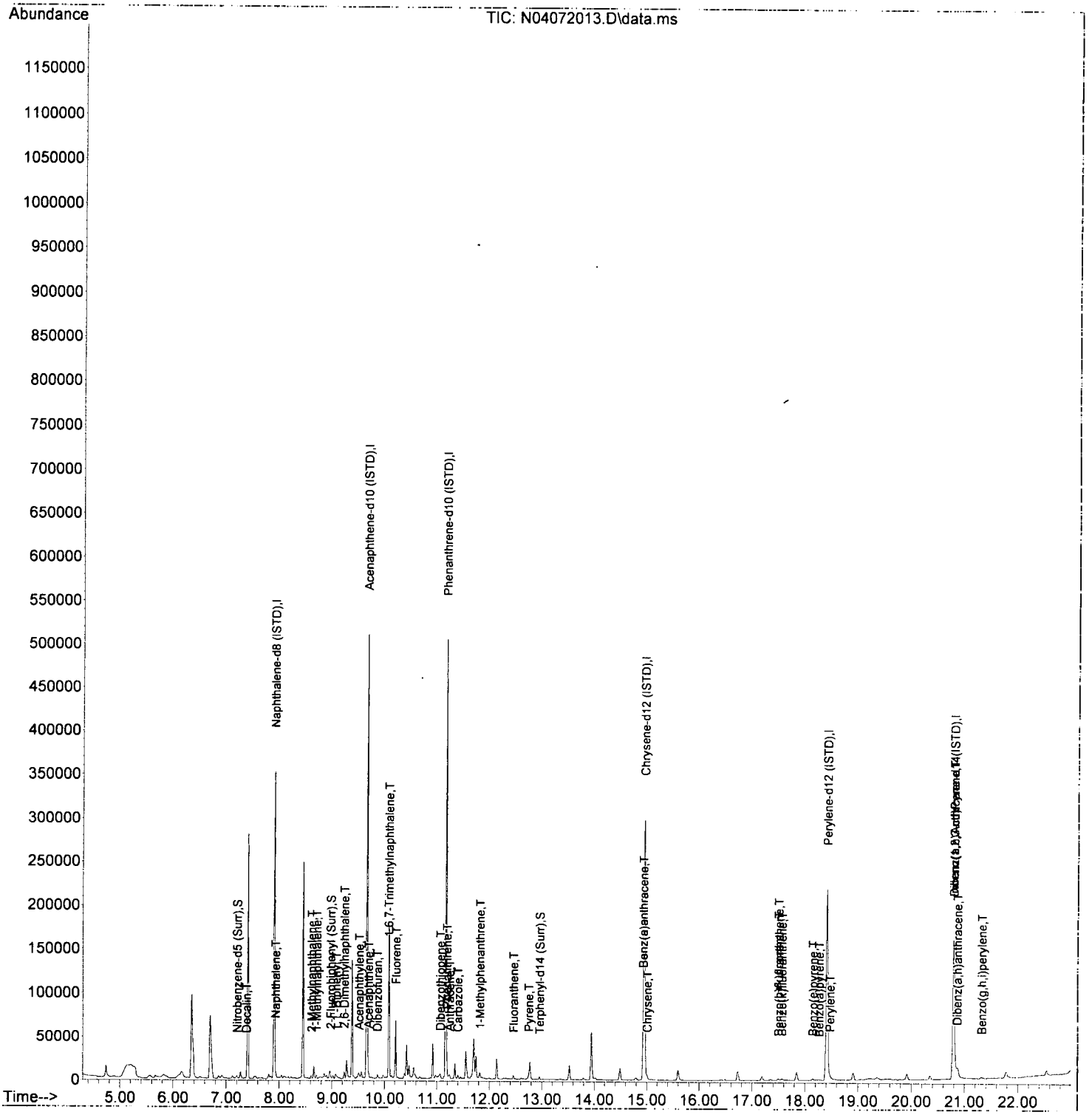
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	243074	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	149679	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	271576	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	224745	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	189170	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.788	292	160677	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	840	1.54	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	2174	0.85	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	2235	1.05	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	130	0.74	ng/ml	85
4) Naphthalene	7.930	128	2892	1.10	ng/ml	97
5) 2-Methylnaphthalene	8.612	142	1659	0.99	ng/ml	97
6) 1-Methylnaphthalene	8.711	142	1756	1.10	ng/ml	94
7) 1,1'-Biphenyl	9.078	154	2427	1.13	ng/ml	93
8) 2,6-Dimethylnaphthalene	9.235	156	1477	1.10	ng/ml	95
11) Acenaphthylene	9.515	152	2466	0.95	ng/ml	96
12) Acenaphthene	9.696	153	2085	1.07	ng/ml	97
13) Dibenzofuran	9.865	168	2370	0.85	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	10.075	170	1667	1.01	ng/ml	71
15) Fluorene	10.215	166	2108	1.11	ng/ml	94
17) Dibenzothiopene	11.060	184	2936	1.07	ng/ml	96
18) Phenanthrene	11.188	178	3463	1.12	ng/ml	98
19) Anthracene	11.240	178	2627	1.03	ng/ml	95
20) Carbazole	11.398	167	2085	0.98	ng/ml	95
21) 1-Methylphenanthrene	11.817	192	1983	0.99	ng/ml	94
22) Fluoranthene	12.459	202	2793	0.97	ng/ml	100
24) Pyrene	12.750	202	2915	1.07	ng/ml	96
26) Benz(a)anthracene	14.924	228	2758	1.22	ng/ml	95
27) Chrysene	15.006	228	2483	1.04	ng/ml	99
29) Benzo(b)fluoranthene	17.500	252	1958	1.00	ng/ml	94
30) Benzo(k)fluoranthene	17.564	252	1851	0.93	ng/ml	88
31) Benzo(b+k)fluoranthene	17.500	252	3809	1.84	ng/ml	92
32) Benzo(e)pyrene	18.147	252	1806	0.90	ng/ml	96
33) Benzo(a)pyrene	18.264	252	1158	1.01	ng/ml	93
34) Perylene	18.468	252	1518	0.72	ng/ml	96
36) Indeno(1,2,3-cd)Pyrene	20.788	276	1652	0.93	ng/ml	83
37) Dibenz(a,h)anthracene	20.858	278	1657	0.88	ng/ml	81
38) Benzo(g,h,i)perylene	21.318	276	1550	0.81	ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072013.D
Acq On : 07 Apr 2020 17:38
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL1
Misc : 1x, A20C467@1PPB
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:13 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072014.D
Acq On : 07 Apr 2020 18:10
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL2
Misc : 1x, A20C468@2PPB
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:17 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 4/8/20

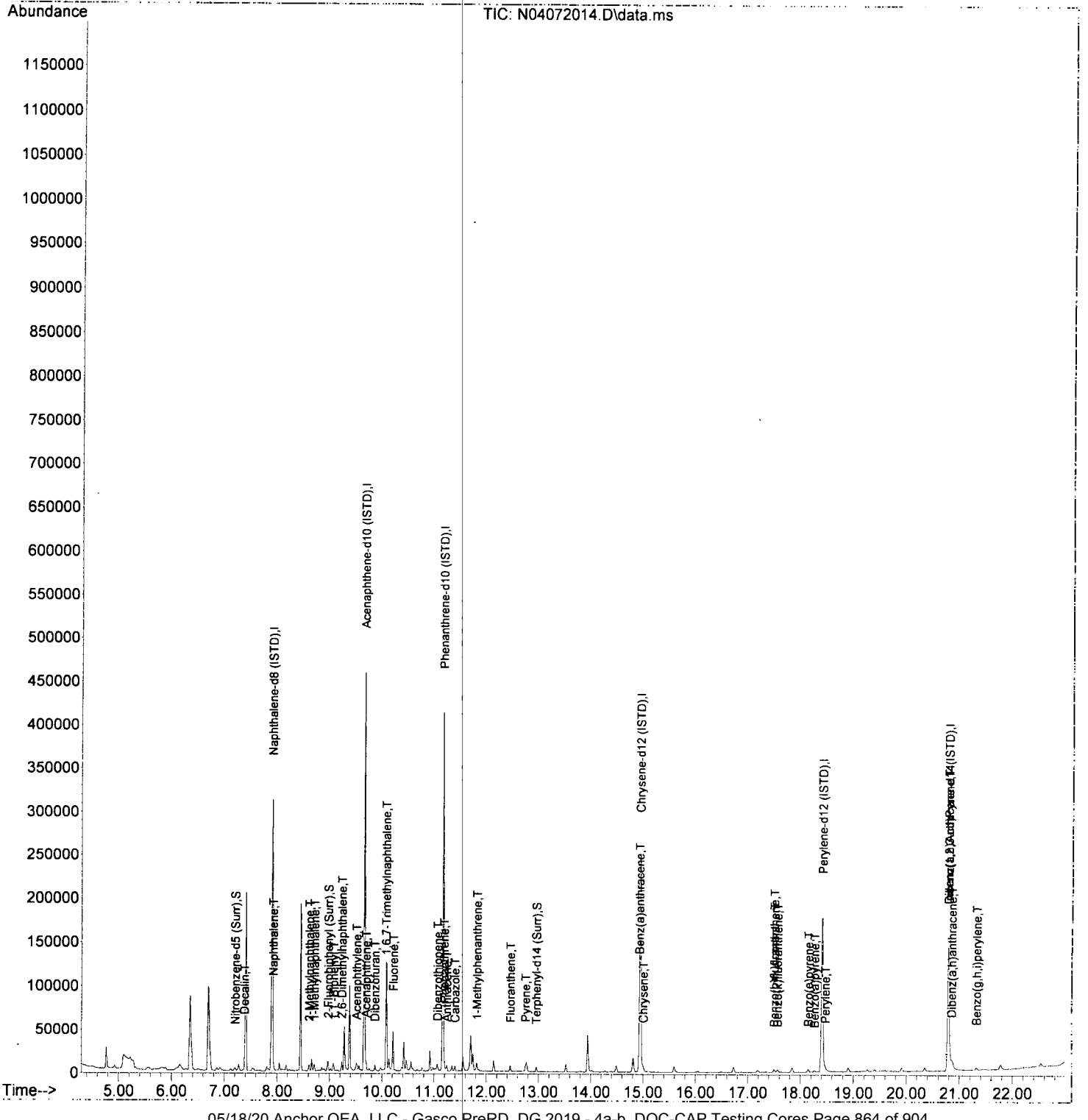
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	243705	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	135566	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	223200	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	187464	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	158010	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.788	292	141496	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	1542	2.82	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	4191	1.81	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	3444	1.94	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	340	1.93	ng/ml	94
4) Naphthalene	7.924	128	5600	2.13	ng/ml	97
5) 2-Methylnaphthalene	8.612	142	3410	2.04	ng/ml	96
6) 1-Methylnaphthalene	8.711	142	3462	2.16	ng/ml	95
7) 1,1'-Biphenyl	9.078	154	4239	1.96	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.235	156	2853	2.11	ng/ml	97
11) Acenaphthylene	9.515	152	4668	1.98	ng/ml	99
12) Acenaphthene	9.696	153	3799	2.14	ng/ml	97
13) Dibenzofuran	9.865	168	4370	1.72	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	10.075	170	2754	1.85	ng/ml	82
15) Fluorene	10.215	166	3434	2.00	ng/ml	96
17) Dibenzothiopene	11.060	184	4432	1.97	ng/ml	96
18) Phenanthrene	11.188	178	5324	2.10	ng/ml	99
19) Anthracene	11.240	178	3785	1.81	ng/ml	98
20) Carbazole	11.398	167	3308	1.90	ng/ml	96
21) 1-Methylphenanthrene	11.817	192	3257	1.97	ng/ml	99
22) Fluoranthene	12.459	202	4694	1.97	ng/ml	97
24) Pyrene	12.750	202	4749	2.10	ng/ml	99
26) Benz(a)anthracene	14.924	228	4134	2.18	ng/ml	95
27) Chrysene	15.000	228	4350	2.18	ng/ml	99
29) Benzo(b)fluoranthene	17.500	252	3031	1.86	ng/ml	95
30) Benzo(k)fluoranthene	17.564	252	2864	1.71	ng/ml	91
31) Benzo(b+k)fluoranthene	17.500	252	6349	3.66	ng/ml	93
32) Benzo(e)pyrene	18.147	252	3379	2.01	ng/ml	92
33) Benzo(a)pyrene	18.264	252	2009	1.85	ng/ml	98
34) Perylene	18.468	252	2648	1.49	ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.788	276	2847	1.81	ng/ml	95
37) Dibenz(a,h)anthracene	20.852	278	2764	1.66	ng/ml	84
38) Benzo(g,h,i)perylene	21.318	276	2738	1.62	ng/ml	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072014.D
Acq On : 07 Apr 2020 18:10
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL2
Misc : 1x, A20C468@2PPB
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:17 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072015.D
Acq On : 07 Apr 2020 18:42
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL3
Misc : 1x, A20C469@5PPB
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:21 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

GJ 4/8/20

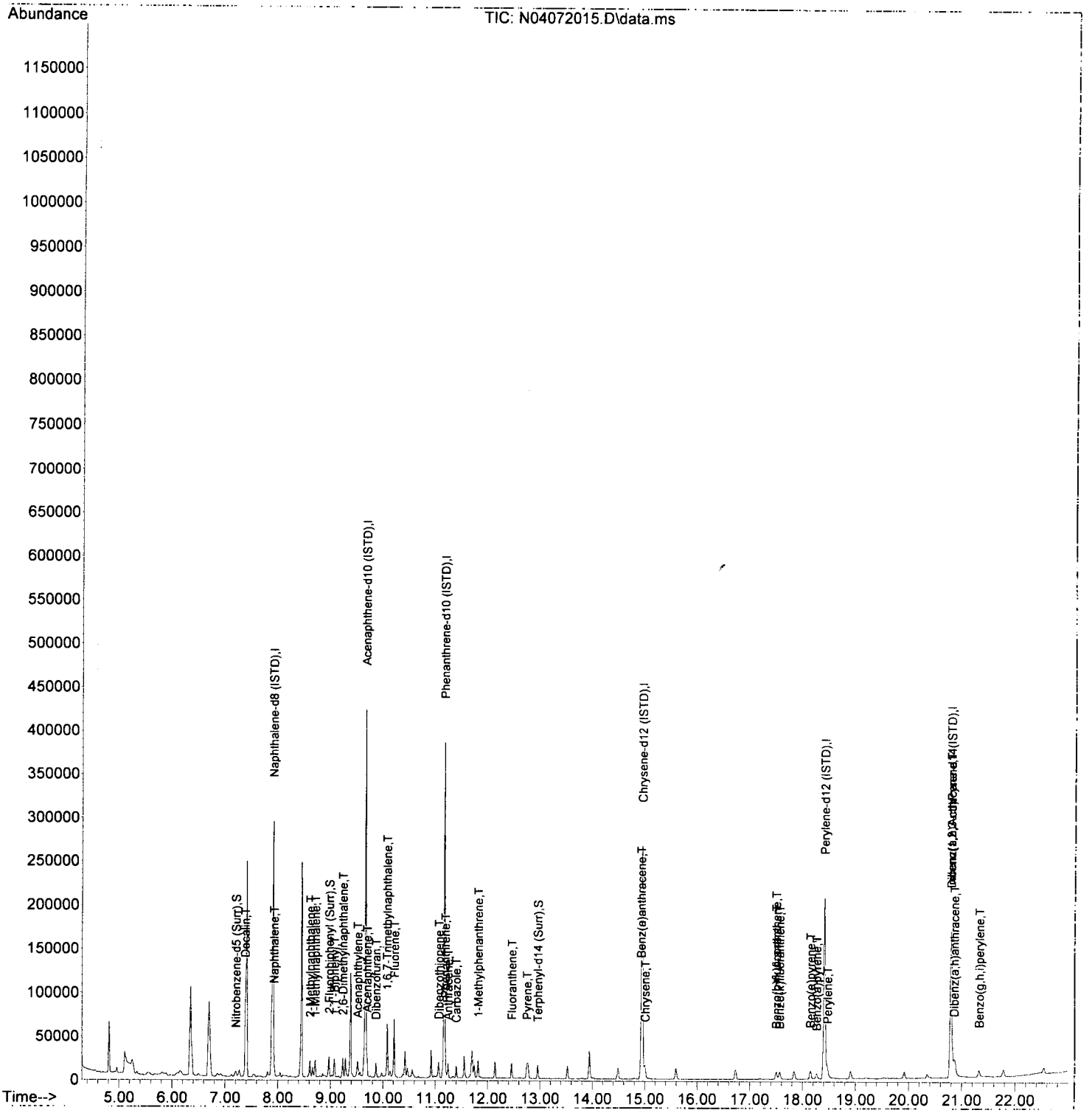
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	254846	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	131499	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	216520	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	206205	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	181653	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.788	292	160102	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	4141	7.25	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	10979	4.88	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	9709	4.96	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	1190	6.44	ng/ml	96
4) Naphthalene	7.924	128	14431	5.25	ng/ml	100
5) 2-Methylnaphthalene	8.612	142	9092	5.20	ng/ml	96
6) 1-Methylnaphthalene	8.711	142	8964	5.36	ng/ml	95
7) 1,1'-Biphenyl	9.072	154	10903	4.83	ng/ml	98
8) 2,6-Dimethylnaphthalene	9.235	156	7289	5.16	ng/ml	98
11) Acenaphthylene	9.515	152	11532	5.05	ng/ml	97
12) Acenaphthene	9.696	153	9358	5.45	ng/ml	99
13) Dibenzofuran	9.865	168	10882	4.42	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	10.075	170	6797	4.71	ng/ml	100
15) Fluorene	10.215	166	8294	4.97	ng/ml	98
17) Dibenzothiopene	11.066	184	10769	4.94	ng/ml	96
18) Phenanthrene	11.188	178	13195	5.37	ng/ml	98
19) Anthracene	11.240	178	9521	4.68	ng/ml	99
20) Carbazole	11.398	167	8731	5.17	ng/ml	97
21) 1-Methylphenanthrene	11.817	192	8102	5.06	ng/ml	98
22) Fluoranthene	12.459	202	11760	5.10	ng/ml	96
24) Pyrene	12.750	202	12228	4.91	ng/ml	99
26) Benz(a)anthracene	14.924	228	10093	4.85	ng/ml	98
27) Chrysene	15.006	228	11149	5.09	ng/ml	97
29) Benzo(b)fluoranthene	17.500	252	8620	4.59	ng/ml	92
30) Benzo(k)fluoranthene	17.564	252	8275	4.31	ng/ml	93
31) Benzo(b+k)fluoranthene	17.500	252	18526	9.30	ng/ml	90
32) Benzo(e)pyrene	18.147	252	9139	4.73	ng/ml	97
33) Benzo(a)pyrene	18.264	252	5994	4.43	ng/ml	94
34) Perylene	18.468	252	8831	4.33	ng/ml	97
36) Indeno(1,2,3-cd)Pyrene	20.788	276	8244	4.64	ng/ml	86
37) Dibenz(a,h)anthracene	20.852	278	8753	4.64	ng/ml	85
38) Benzo(g,h,i)perylene	21.324	276	8418	4.41	ng/ml	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072015.D
Acq On : 07 Apr 2020 18:42
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL3
Misc : 1x, A20C469@5PPB
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:21 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072016.D
Acq On : 07 Apr 2020 19:28
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL4
Misc : 1x, A20C470@10PPB
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:25 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JJL 4/8/20

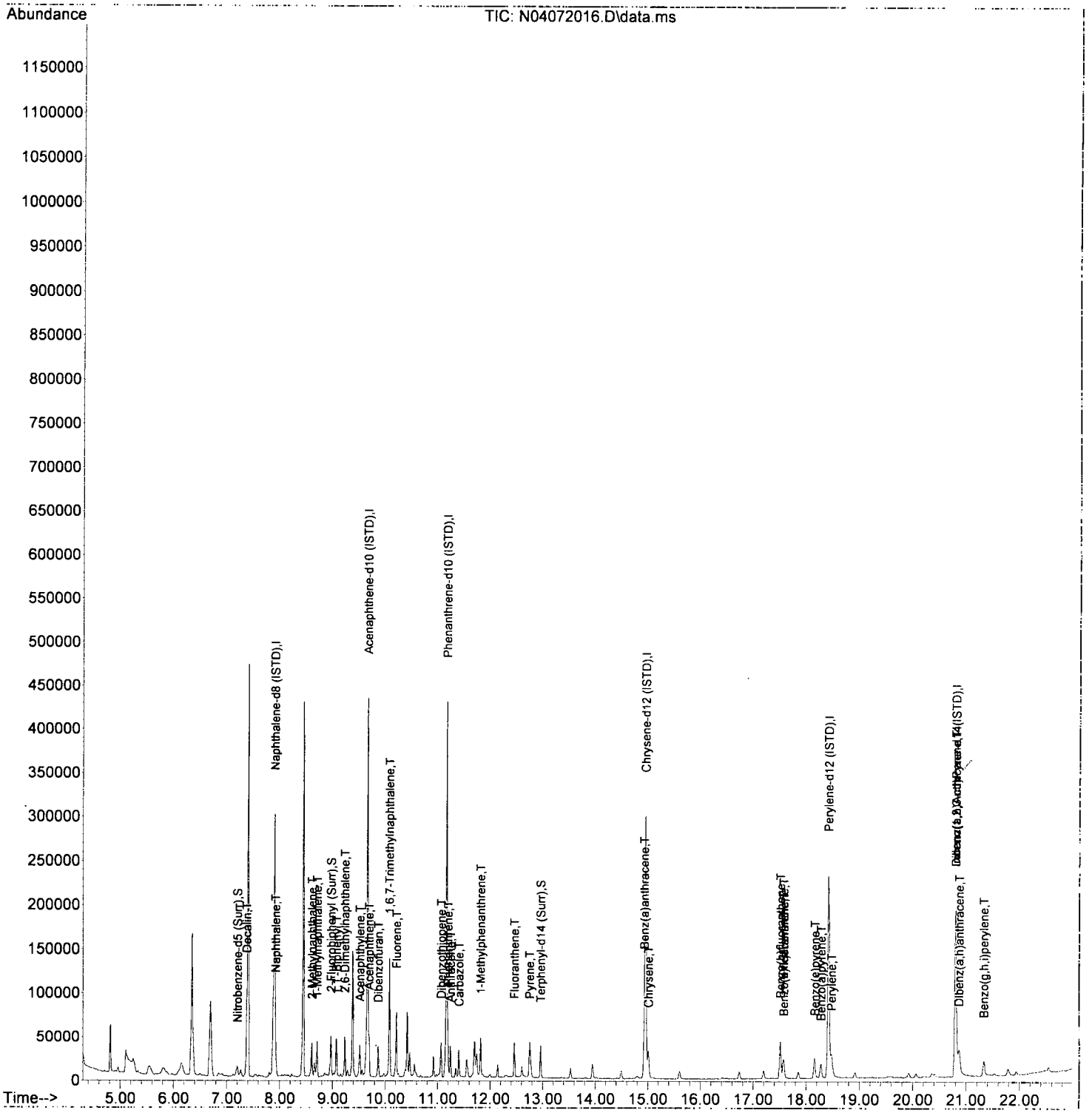
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.907	136	270985	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	140702	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.171	188	243789	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	224123	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.416	264	205793	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.799	292	175208	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	7904	13.02	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	22576	9.39	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.960	244	22061	10.37	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	2225	11.33	ng/ml	85
4) Naphthalene	7.924	128	29903	10.23	ng/ml	99
5) 2-Methylnaphthalene	8.612	142	19067	10.25	ng/ml	97
6) 1-Methylnaphthalene	8.711	142	19186	10.78	ng/ml	95
7) 1,1'-Biphenyl	9.078	154	24176	10.07	ng/ml	98
8) 2,6-Dimethylnaphthalene	9.235	156	15846	10.55	ng/ml	95
11) Acenaphthylene	9.521	152	25120	10.28	ng/ml	97
12) Acenaphthene	9.696	153	19684	10.71	ng/ml	98
13) Dibenzofuran	9.871	168	23912	9.08	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	10.081	170	14575	9.44	ng/ml	98
15) Fluorene	10.215	166	18241	10.21	ng/ml	98
17) Dibenzothiopene	11.066	184	24599	10.03	ng/ml	95
18) Phenanthrene	11.194	178	28266	10.22	ng/ml	100
19) Anthracene	11.246	178	22111	9.66	ng/ml	100
20) Carbazole	11.404	167	20204	10.62	ng/ml	98
21) 1-Methylphenanthrene	11.818	192	18661	10.35	ng/ml	97
22) Fluoranthene	12.459	202	27227	10.48	ng/ml	96
24) Pyrene	12.750	202	28915	10.69	ng/ml	98
26) Benz(a)anthracene	14.930	228	21888	9.67	ng/ml	98
27) Chrysene	15.012	228	23333	9.79	ng/ml	100
29) Benzo(b)fluoranthene	17.512	252	20389	9.58	ng/ml	92
30) Benzo(k)fluoranthene	17.576	252	20616	9.48	ng/ml	92
31) Benzo(b+k)fluoranthene	17.576	252	44218	19.60	ng/ml	92
32) Benzo(e)pyrene	18.159	252	21685	9.91	ng/ml	98
33) Benzo(a)pyrene	18.276	252	15453	9.75	ng/ml	96
34) Perylene	18.474	252	22348	9.68	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.799	276	18462	9.49	ng/ml	83
37) Dibenz(a,h)anthracene	20.864	278	18337	8.89	ng/ml	85
38) Benzo(g,h,i)perylene	21.330	276	18938	9.07	ng/ml	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072016.D
Acq On : 07 Apr 2020 19:28
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL4
Misc : 1x, A20C470@10PPB
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:25 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072017.D
Acq On : 07 Apr 2020 20:00
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL5
Misc : 1x, A20C471@20PPB
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:30 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JR 7/8/20

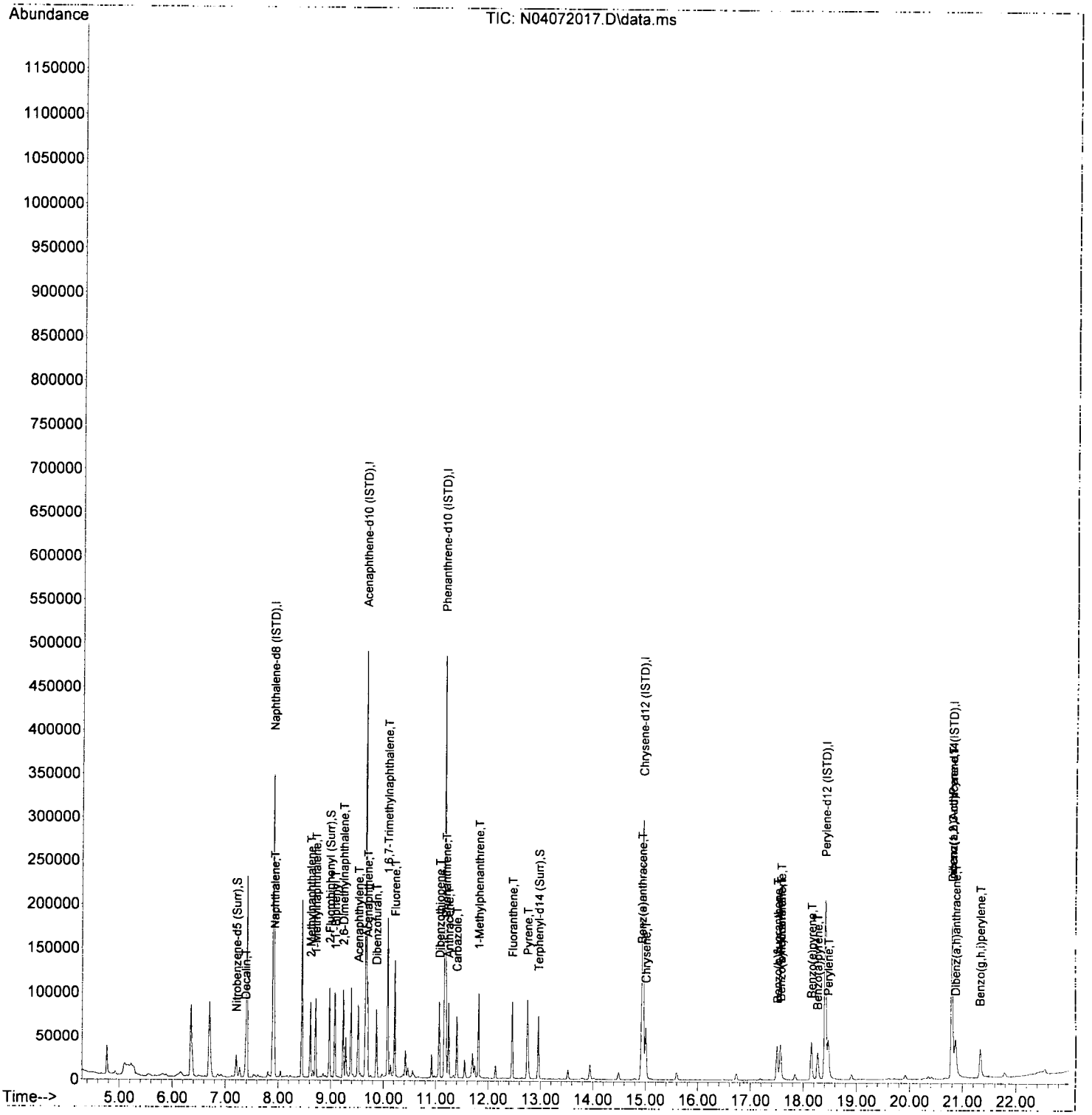
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	258751	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	148424	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	266029	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	214808	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	187485	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.794	292	149877	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	15766	27.20	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	46527	18.34	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.960	244	43811	21.48	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	3947	21.05	ng/ml	88
4) Naphthalene	7.924	128	57019	20.43	ng/ml	99
5) 2-Methylnaphthalene	8.612	142	37992	21.38	ng/ml	97
6) 1-Methylnaphthalene	8.711	142	38641	22.75	ng/ml	97
7) 1,1'-Biphenyl	9.078	154	49046	21.39	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.235	156	33645	23.45	ng/ml	95
11) Acenaphthylene	9.521	152	55074	21.36	ng/ml	99
12) Acenaphthene	9.696	153	41060	21.17	ng/ml	99
13) Dibenzofuran	9.865	168	50939	18.34	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	10.081	170	33116	20.32	ng/ml	97
15) Fluorene	10.215	166	39965	21.21	ng/ml	99
17) Dibenzothiopene	11.066	184	54876	20.51	ng/ml	95
18) Phenanthrene	11.188	178	61279	20.30	ng/ml	100
19) Anthracene	11.240	178	51771	20.73	ng/ml	100
20) Carbazole	11.398	167	44104	21.24	ng/ml	99
21) 1-Methylphenanthrene	11.817	192	41436	21.06	ng/ml	100
22) Fluoranthene	12.459	202	58425	20.61	ng/ml	96
24) Pyrene	12.750	202	61609	23.77	ng/ml	99
26) Benz(a)anthracene	14.924	228	41414	19.09	ng/ml	100
27) Chrysene	15.006	228	46060	20.17	ng/ml	99
29) Benzo(b)fluoranthene	17.506	252	37506	19.35	ng/ml	94
30) Benzo(k)fluoranthene	17.570	252	38178	19.27	ng/ml	93
31) Benzo(b+k)fluoranthene	17.570	252	81846	39.81	ng/ml	93
32) Benzo(e)pyrene	18.153	252	41095	20.61	ng/ml	98
33) Benzo(a)pyrene	18.270	252	29191	19.83	ng/ml	96
34) Perylene	18.468	252	41934	19.94	ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.794	276	32482	19.53	ng/ml	81
37) Dibenz(a,h)anthracene	20.858	278	32488	18.41	ng/ml	85
38) Benzo(g,h,i)perylene	21.324	276	34943	19.56	ng/ml	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072017.D
Acq On : 07 Apr 2020 20:00
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL5
Misc : 1x, A20C471@20PPB
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:30 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072018.D
Acq On : 07 Apr 2020 20:32
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL6
Misc : 1x, A20C472@50PPB
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:35 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JJ 4/8/20

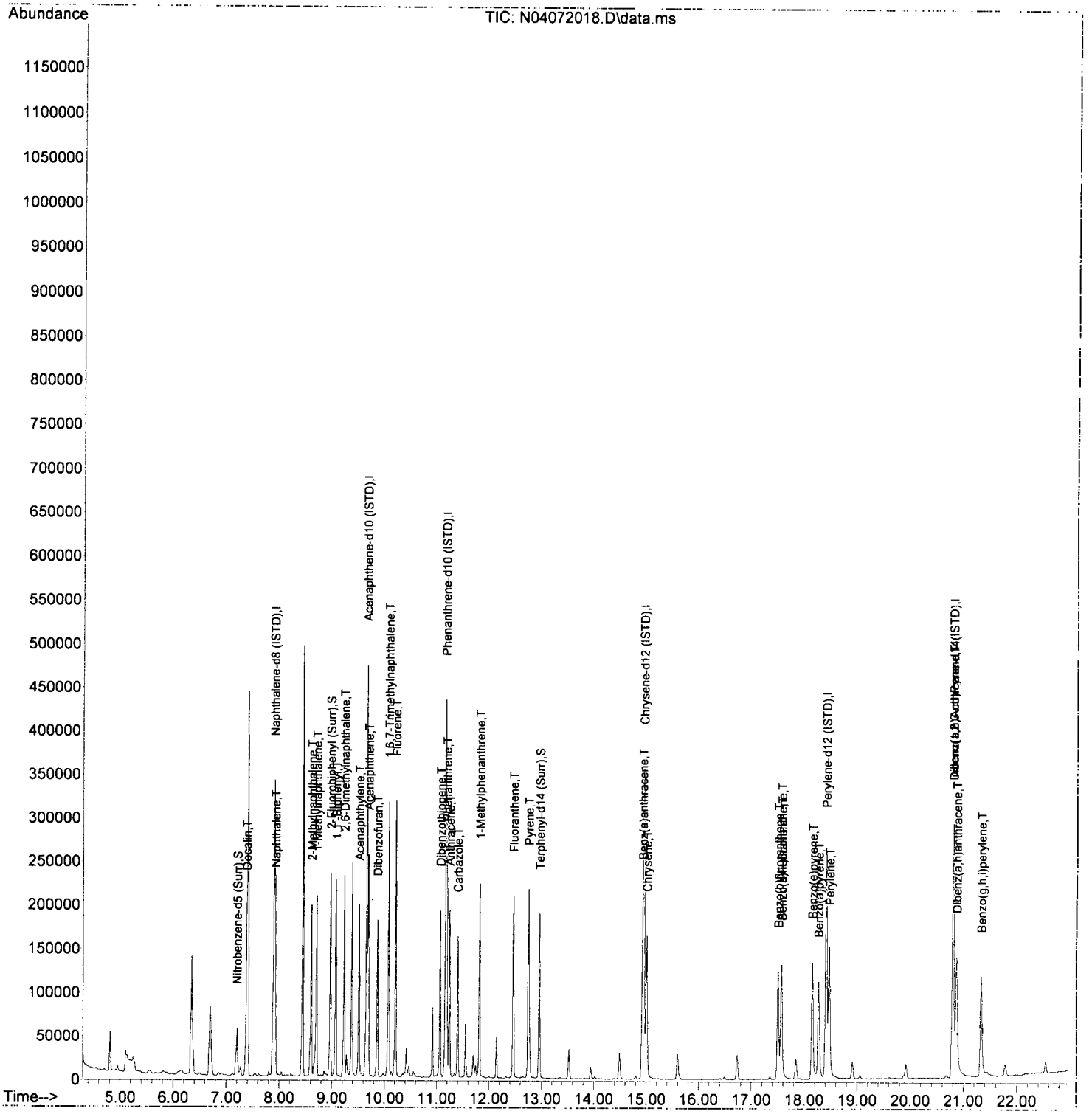
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	265079	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	146492	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	242013	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	238949	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	233103	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.794	292	190743	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	40026	67.41	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	113161	45.19	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.960	244	115369	50.86	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	9951	51.81	ng/ml	86
4) Naphthalene	7.924	128	140541	49.16	ng/ml	99
5) 2-Methylnaphthalene	8.612	142	97673	53.66	ng/ml	97
6) 1-Methylnaphthalene	8.711	142	97197	55.85	ng/ml	97
7) 1,1'-Biphenyl	9.078	154	121079	51.55	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.235	156	83485	56.81	ng/ml	96
11) Acenaphthylene	9.515	152	141318	55.54	ng/ml	99
12) Acenaphthene	9.696	153	100491	52.49	ng/ml	99
13) Dibenzofuran	9.865	168	120846	44.07	ng/ml	96
14) 1,6,7-Trimethylnaphtha...	10.080	170	77695	48.31	ng/ml	97
15) Fluorene	10.215	166	94350	50.73	ng/ml	98
17) Dibenzothiopene	11.066	184	124022	50.95	ng/ml	94
18) Phenanthrene	11.188	178	137147	49.93	ng/ml	99
19) Anthracene	11.240	178	115187	50.70	ng/ml	99
20) Carbazole	11.398	167	103743	54.92	ng/ml	98
21) 1-Methylphenanthrene	11.817	192	96368	53.84	ng/ml	98
22) Fluoranthene	12.459	202	138576	53.73	ng/ml	97
24) Pyrene	12.750	202	148125	51.37	ng/ml	99
26) Benz(a)anthracene	14.924	228	118477	49.10	ng/ml	99
27) Chrysene	15.006	228	126277	49.72	ng/ml	99
29) Benzo(b)fluoranthene	17.506	252	116347	48.29	ng/ml	94
30) Benzo(k)fluoranthene	17.570	252	120385	48.86	ng/ml	93
31) Benzo(b+k)fluoranthene	17.570	252	249964	97.80	ng/ml	93
32) Benzo(e)pyrene	18.153	252	121997	49.20	ng/ml	98
33) Benzo(a)pyrene	18.270	252	102540	54.26	ng/ml	96
34) Perylene	18.474	252	140321	53.68	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.794	276	102100	48.23	ng/ml	80
37) Dibenz(a,h)anthracene	20.858	278	104317	46.46	ng/ml	84
38) Benzo(g,h,i)perylene	21.324	276	113428	49.88	ng/ml	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072018.D
Acq On : 07 Apr 2020 20:32
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL6
Misc : 1x, A20C472@50PPB
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:35 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072019.D
Acq On : 07 Apr 2020 21:04
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL7
Misc : 1x, A20C473@100PPB
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:39 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 4/8/20

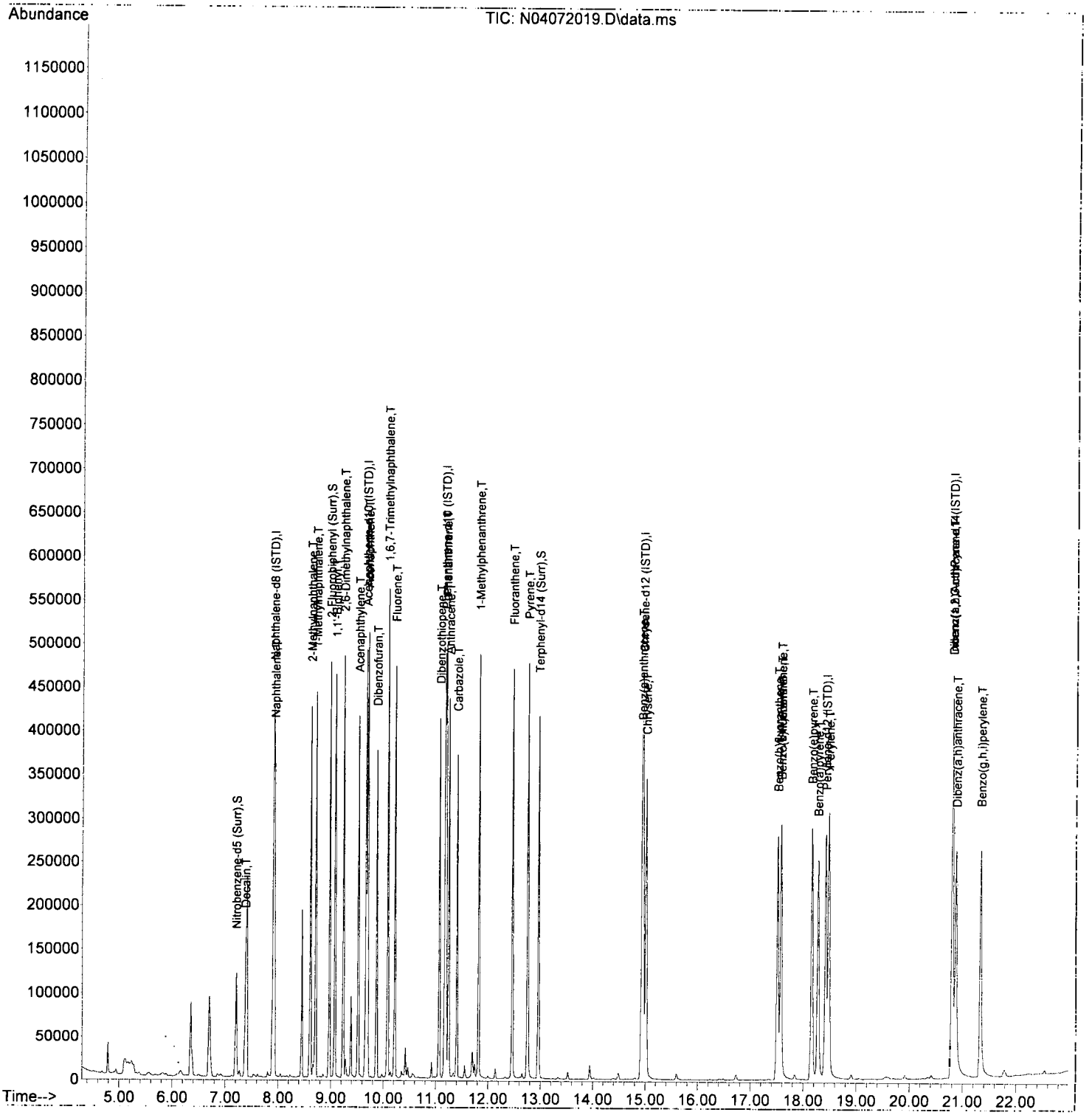
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	270936	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	147420	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	265984	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	263757	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.415	264	248613	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.794	292	201252	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	80657	132.90	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	225961	89.66	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	247933	99.02	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	20917	106.56	ng/ml	88
4) Naphthalene	7.924	128	278907	95.46	ng/ml	100
5) 2-Methylnaphthalene	8.612	142	195774	105.24	ng/ml	97
6) 1-Methylnaphthalene	8.711	142	191985	107.92	ng/ml	96
7) 1,1'-Biphenyl	9.078	154	238654	99.42	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.235	156	170143	113.27	ng/ml	97
11) Acenaphthylene	9.515	152	287167	112.15	ng/ml	100
12) Acenaphthene	9.696	153	199310	103.46	ng/ml	100
13) Dibenzofuran	9.865	168	244430	88.59	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	10.075	170	160492	99.16	ng/ml	98
15) Fluorene	10.215	166	191718	102.43	ng/ml	99
17) Dibenzothiopene	11.066	184	259859	97.13	ng/ml	94
18) Phenanthrene	11.188	178	288254	95.49	ng/ml	100
19) Anthracene	11.240	178	257805	103.25	ng/ml	99
20) Carbazole	11.398	167	228806	110.20	ng/ml	99
21) 1-Methylphenanthrene	11.817	192	210395	106.94	ng/ml	99
22) Fluoranthene	12.459	202	308063	108.68	ng/ml	96
24) Pyrene	12.750	202	328255	103.12	ng/ml	99
26) Benz(a)anthracene	14.924	228	257406	96.63	ng/ml	100
27) Chrysene	15.006	228	272605	97.23	ng/ml	100
29) Benzo(b)fluoranthene	17.506	252	253202	98.53	ng/ml	93
30) Benzo(k)fluoranthene	17.570	252	270754	103.03	ng/ml	93
31) Benzo(b+k)fluoranthene	17.570	252	548680	201.28	ng/ml	93
32) Benzo(e)pyrene	18.153	252	267193	101.04	ng/ml	98
33) Benzo(a)pyrene	18.270	252	227825	108.62	ng/ml	97
34) Perylene	18.474	252	293633	105.31	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.794	276	215605	96.53	ng/ml	81
37) Dibenz(a,h)anthracene	20.863	278	220763	93.19	ng/ml	83
38) Benzo(g,h,i)perylene	21.330	276	246409	102.70	ng/ml	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072019.D
Acq On : 07 Apr 2020 21:04
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL7
Misc : 1x, A20C473@100PPB
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:39 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072020.D
Acq On : 07 Apr 2020 21:36
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL8
Misc : 1x, A20C474@200PPB
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:44 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 9/8/20

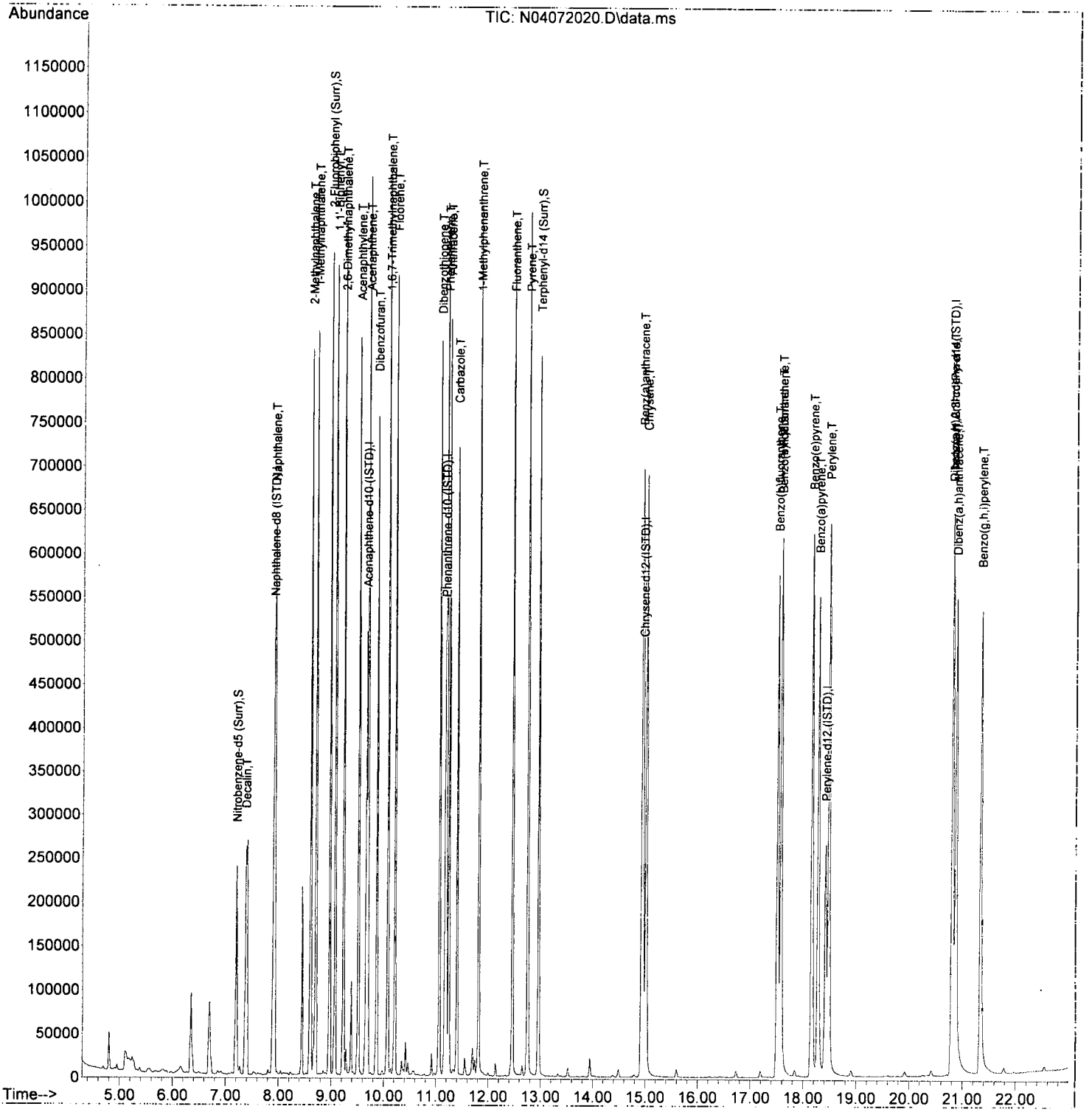
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	259002	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	149753	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	262815	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	256376	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.415	264	246957	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.793	292	201443	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	159557	275.03	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	456518	178.32	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.960	244	497857	204.56	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	39266	209.25	ng/ml	88
4) Naphthalene	7.924	128	543013	194.41	ng/ml	100
5) 2-Methylnaphthalene	8.612	142	396823	223.13	ng/ml	97
6) 1-Methylnaphthalene	8.711	142	381343	224.25	ng/ml	97
7) 1,1'-Biphenyl	9.078	154	486099	211.83	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.235	156	349071	243.10	ng/ml	96
11) Acenaphthylene	9.521	152	596158	229.20	ng/ml	99
12) Acenaphthene	9.696	153	400273	204.53	ng/ml	99
13) Dibenzofuran	9.865	168	496566	177.16	ng/ml	96
14) 1,6,7-Trimethylnaphtha...	10.080	170	326170	198.38	ng/ml	98
15) Fluorene	10.214	166	396773	208.68	ng/ml	98
17) Dibenzothiopene	11.065	184	533586	201.84	ng/ml	94
18) Phenanthrene	11.194	178	586910	196.76	ng/ml	100
19) Anthracene	11.240	178	524623	212.65	ng/ml	99
20) Carbazole	11.398	167	458445	223.47	ng/ml	98
21) 1-Methylphenanthrene	11.817	192	429423	220.91	ng/ml	99
22) Fluoranthene	12.458	202	643616	229.79	ng/ml	96
24) Pyrene	12.750	202	678143	219.17	ng/ml	100
26) Benz(a)anthracene	14.930	228	526616	203.39	ng/ml	100
27) Chrysene	15.011	228	537553	197.25	ng/ml	100
29) Benzo(b)fluoranthene	17.506	252	536283	210.08	ng/ml	93
30) Benzo(k)fluoranthene	17.576	252	553475	212.03	ng/ml	93
31) Benzo(b+k)fluoranthene	17.576	252	1132360	418.18	ng/ml	93
32) Benzo(e)pyrene	18.159	252	561080	213.59	ng/ml	98
33) Benzo(a)pyrene	18.275	252	480916	214.97	ng/ml	97
34) Perylene	18.479	252	593049	214.13	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.799	276	452810	202.54	ng/ml	80
37) Dibenz(a,h)anthracene	20.863	278	454575	191.70	ng/ml	84
38) Benzo(g,h,i)perylene	21.336	276	512635	213.45	ng/ml	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072020.D
Acq On : 07 Apr 2020 21:36
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL8
Misc : 1x, A20C474@200PPB
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:44 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072021.D
Acq On : 07 Apr 2020 22:08
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL9
Misc : 1x, A20C475@400PPB
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:49 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 4/8/20

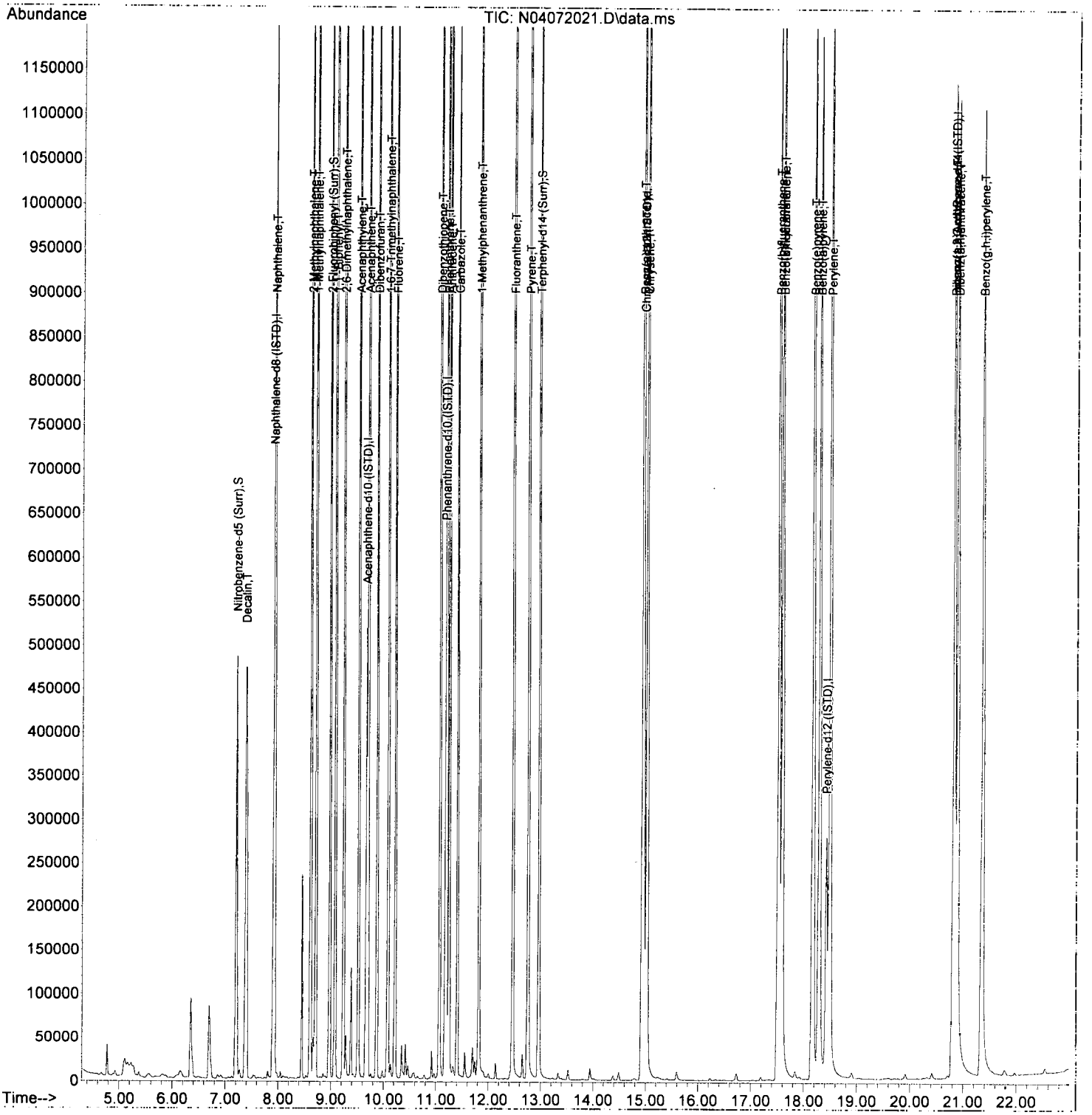
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	255231	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	154741	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.171	188	286145	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	283021	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.416	264	267480	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.805	292	206453	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	322003	563.23	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	957543	361.97	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.960	244	1096177	408.00	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	81440	440.41	ng/ml	87
4) Naphthalene	7.924	128	1070767	389.02	ng/ml	100
5) 2-Methylnaphthalene	8.612	142	803600	458.54	ng/ml	98
6) 1-Methylnaphthalene	8.711	142	778825	464.76	ng/ml	97
7) 1,1'-Biphenyl	9.078	154	1003410	443.73	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.235	156	726355	513.32	ng/ml	98
11) Acenaphthylene	9.521	152	1260795	469.09	ng/ml	99
12) Acenaphthene	9.696	153	824563	407.76	ng/ml	99
13) Dibenzofuran	9.871	168	1049059	362.21	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	10.081	170	693935	408.46	ng/ml	100
15) Fluorene	10.220	166	846234	430.71	ng/ml	98
17) Dibenzothiopene	11.066	184	1150026	399.56	ng/ml	95
18) Phenanthrene	11.194	178	1246717	383.88	ng/ml	100
19) Anthracene	11.246	178	1164250	433.45	ng/ml	99
20) Carbazole	11.404	167	979119	438.35	ng/ml	99
21) 1-Methylphenanthrene	11.817	192	947023	447.45	ng/ml	99
22) Fluoranthene	12.464	202	1439355	472.00	ng/ml	96
24) Pyrene	12.756	202	1513534	443.12	ng/ml	99
26) Benz(a)anthracene	14.936	228	1207333	422.40	ng/ml	99
27) Chrysene	15.017	228	1174861	390.53	ng/ml	100
29) Benzo(b)fluoranthene	17.518	252	1217211	440.24	ng/ml	93
30) Benzo(k)fluoranthene	17.588	252	1218167	430.86	ng/ml	93
31) Benzo(b+k)fluoranthene	17.588	252	2523866	860.55	ng/ml	93
32) Benzo(e)pyrene	18.171	252	1258723	442.41	ng/ml	98
33) Benzo(a)pyrene	18.287	252	1069564	395.70	ng/ml	96
34) Perylene	18.491	252	1303992	434.70	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.811	276	964615	421.00	ng/ml	80
37) Dibenz(a,h)anthracene	20.875	278	991281	407.89	ng/ml	83
38) Benzo(g,h,i)perylene	21.347	276	1102019	447.72	ng/ml	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072021.D
Acq On : 07 Apr 2020 22:08
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL9
Misc : 1x, A20C475@400PPB
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:49 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072022.D
Acq On : 07 Apr 2020 22:40
Operator : JK/ AMS/ DTH
Sample : 0D07056-CALA
Misc : 1x, A20C476@600PPB
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:53 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 4/8/20

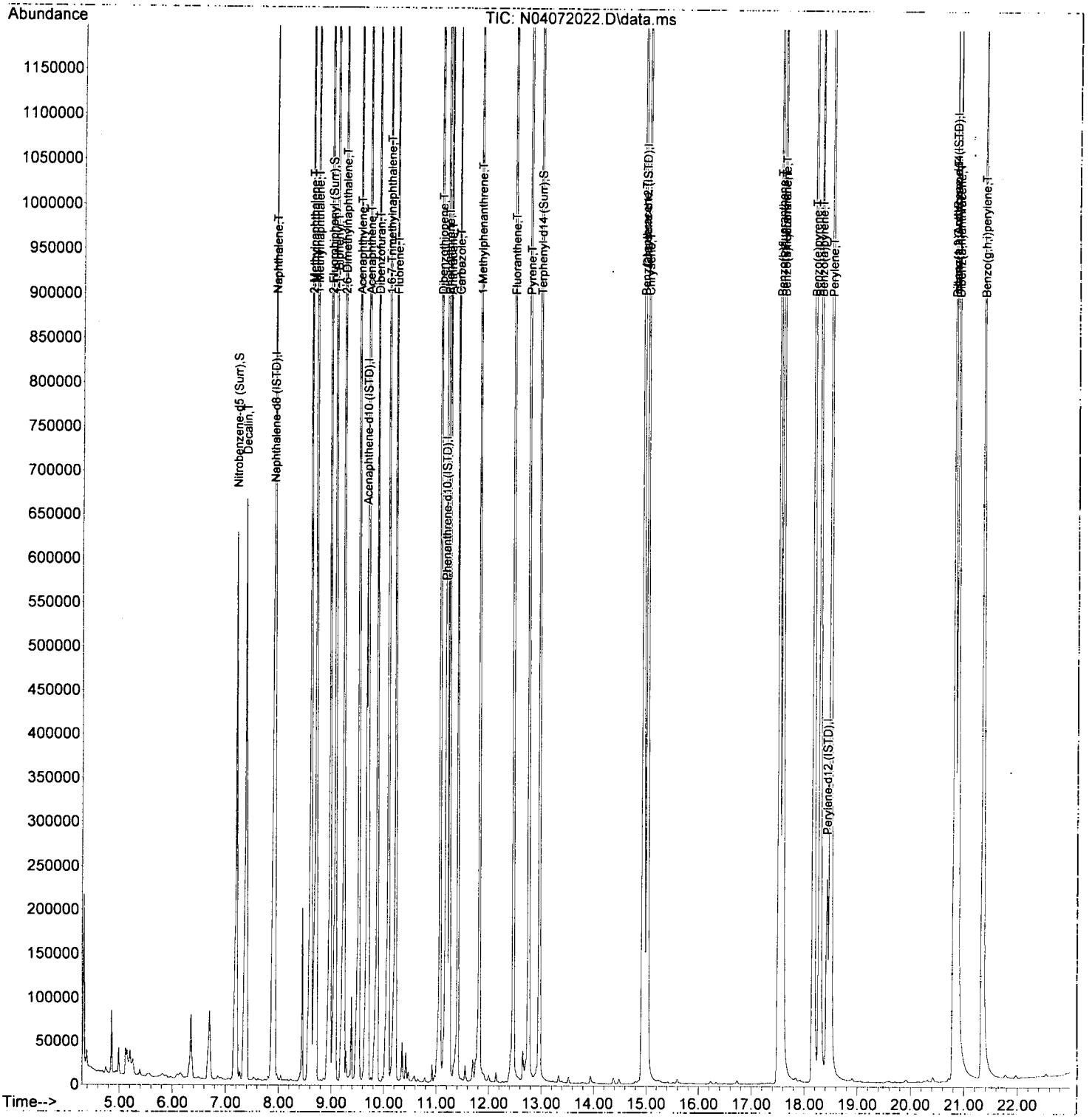
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.907	136	237171	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	142544	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	254222	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	231029	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.421	264	221821	100.00	ng/ml	0.01
35) Dibenz(a,h)Anthrcene-d...	20.805	292	157020	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	451853	850.55	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	1276915	524.01	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.960	244	1328709	605.85	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	128416	747.32	ng/ml	88
4) Naphthalene	7.924	128	1463412	572.15	ng/ml	100
5) 2-Methylnaphthalene	8.612	142	1091692	670.37	ng/ml	98
6) 1-Methylnaphthalene	8.711	142	1038153	666.58	ng/ml	97
7) 1,1'-Biphenyl	9.078	154	1335421	635.52	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.236	156	968269	736.39	ng/ml	98
11) Acenaphthylene	9.521	152	1692015	683.40	ng/ml	99
12) Acenaphthene	9.696	153	1100304	590.67	ng/ml	99
13) Dibenzofuran	9.871	168	1394000	522.49	ng/ml	96
14) 1,6,7-Trimethylnaphtha...	10.081	170	893285	570.79	ng/ml	99
15) Fluorene	10.221	166	1105549	610.85	ng/ml	99
17) Dibenzothiopene	11.066	184	1486980	581.50	ng/ml	95
18) Phenanthrene	11.194	178	1662195	576.08	ng/ml	100
19) Anthracene	11.246	178	1396742	585.30	ng/ml	99
20) Carbazole	11.404	167	1098601	553.61	ng/ml	99
21) 1-Methylphenanthrene	11.818	192	1186501	631.00	ng/ml	98
22) Fluoranthene	12.465	202	1796405	663.06	ng/ml	96
24) Pyrene	12.756	202	1875198	672.55	ng/ml	100
26) Benz(a)anthracene	14.936	228	1469312	629.74	ng/ml	99
27) Chrysene	15.018	228	1426972	581.07	ng/ml	99
29) Benzo(b)fluoranthene	17.518	252	1548382	675.29	ng/ml	93
30) Benzo(k)fluoranthene	17.588	252	1475774	629.42	ng/ml	93
31) Benzo(b+k)fluoranthene	17.588	252	3120142	1282.84	ng/ml	93
32) Benzo(e)pyrene	18.171	252	1591400	674.47	ng/ml	98
33) Benzo(a)pyrene	18.293	252	1297353	535.84	ng/ml	96
34) Perylene	18.491	252	1594908	641.12	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.811	276	1156472	663.63	ng/ml	80
37) Dibenz(a,h)anthracene	20.875	278	1132840	612.89	ng/ml	83
38) Benzo(g,h,i)perylene	21.353	276	1320462	705.35	ng/ml	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072022.D
Acq On : 07 Apr 2020 22:40
Operator : JK/ AMS/ DTH
Sample : 0D07056-CALA
Misc : 1x, A20C476@600PPB
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:53 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072024.D
Acq On : 07 Apr 2020 23:44
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICV1
Misc : 1x, A20C479@50PPB
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:42:06 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JK 4/8/20

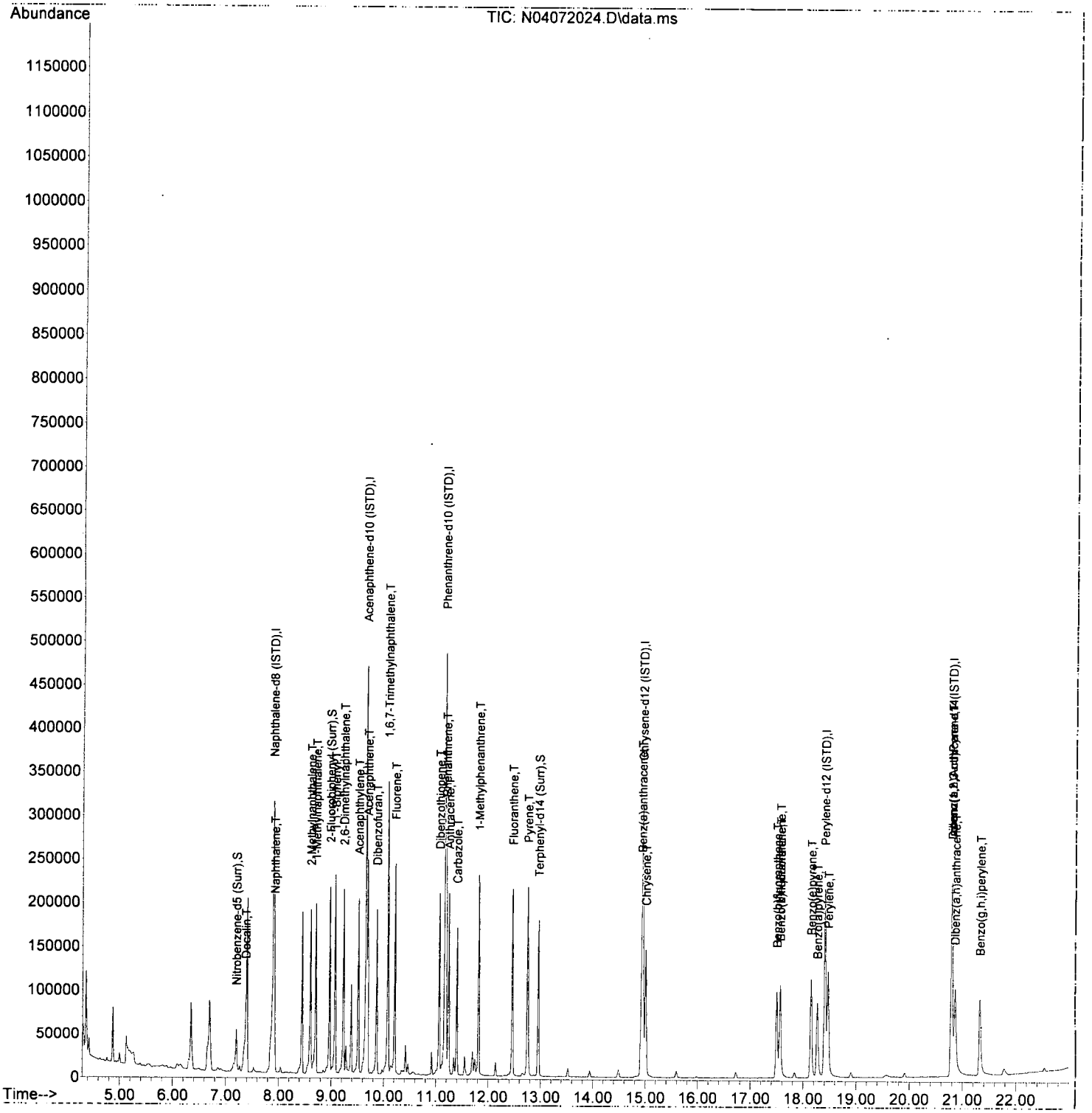
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.901	136	265379	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	144991	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	263411	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	209391	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.404	264	193930	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.788	292	149770	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	31558	53.09	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	114902	46.36	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	104677	52.66	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	8798	45.76	ng/ml	87
4) Naphthalene	7.924	128	134333	46.94	ng/ml	100
5) 2-Methylnaphthalene	8.606	142	95473	52.39	ng/ml	97
6) 1-Methylnaphthalene	8.705	142	95852	55.01	ng/ml	97
7) 1,1'-Biphenyl	9.072	154	122388	52.05	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.236	156	83923	57.04	ng/ml	96
11) Acenaphthylene	9.515	152	136436	54.18	ng/ml	99
12) Acenaphthene	9.690	153	99522	52.52	ng/ml	98
13) Dibenzofuran	9.865	168	127154	46.86	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	10.075	170	80111	50.33	ng/ml	98
15) Fluorene	10.215	166	97899	53.18	ng/ml	98
17) Dibenzothiopene	11.060	184	124997	47.18	ng/ml	96
18) Phenanthrene	11.188	178	149438	49.99	ng/ml	99
19) Anthracene	11.241	178	123075	49.77	ng/ml	99
20) Carbazole	11.398	167	106901	51.99	ng/ml	98
21) 1-Methylphenanthrene	11.812	192	103346	53.04	ng/ml	100
22) Fluoranthene	12.459	202	145369	51.78	ng/ml	96
24) Pyrene	12.750	202	153498	60.74	ng/ml	100
26) Benz(a)anthracene	14.924	228	101320	47.91	ng/ml	99
27) Chrysene	15.000	228	113999	51.22	ng/ml	99
29) Benzo(b)fluoranthene	17.500	252	93375	46.58	ng/ml	93
30) Benzo(k)fluoranthene	17.565	252	98839	48.22	ng/ml	93
31) Benzo(b+k)fluoranthene	17.565	252	205649	96.71	ng/ml	93
32) Benzo(e)pyrene	18.147	252	104146	50.49	ng/ml	98
33) Benzo(a)pyrene	18.264	252	79516	50.72	ng/ml	97
34) Perylene	18.468	252	113877	52.36	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.788	276	77694	46.74	ng/ml	80
37) Dibenz(a,h)anthracene	20.852	278	79648	45.18	ng/ml	84
38) Benzo(g,h,i)perylene	21.324	276	90765	50.83	ng/ml	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072024.D
Acq On : 07 Apr 2020 23:44
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICV1
Misc : 1x, A20C479@50PPB
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:42:06 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072024.D
Acq On : 07 Apr 2020 23:44
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICV1
Misc : 1x, A20C479@50PPB
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Final Reqmnt

Quant Time: Apr 08 10:25:58 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 10:01:43 2020
Response via : Initial Calibration
InstName : SV-GCMS14

JJd 4/8/20

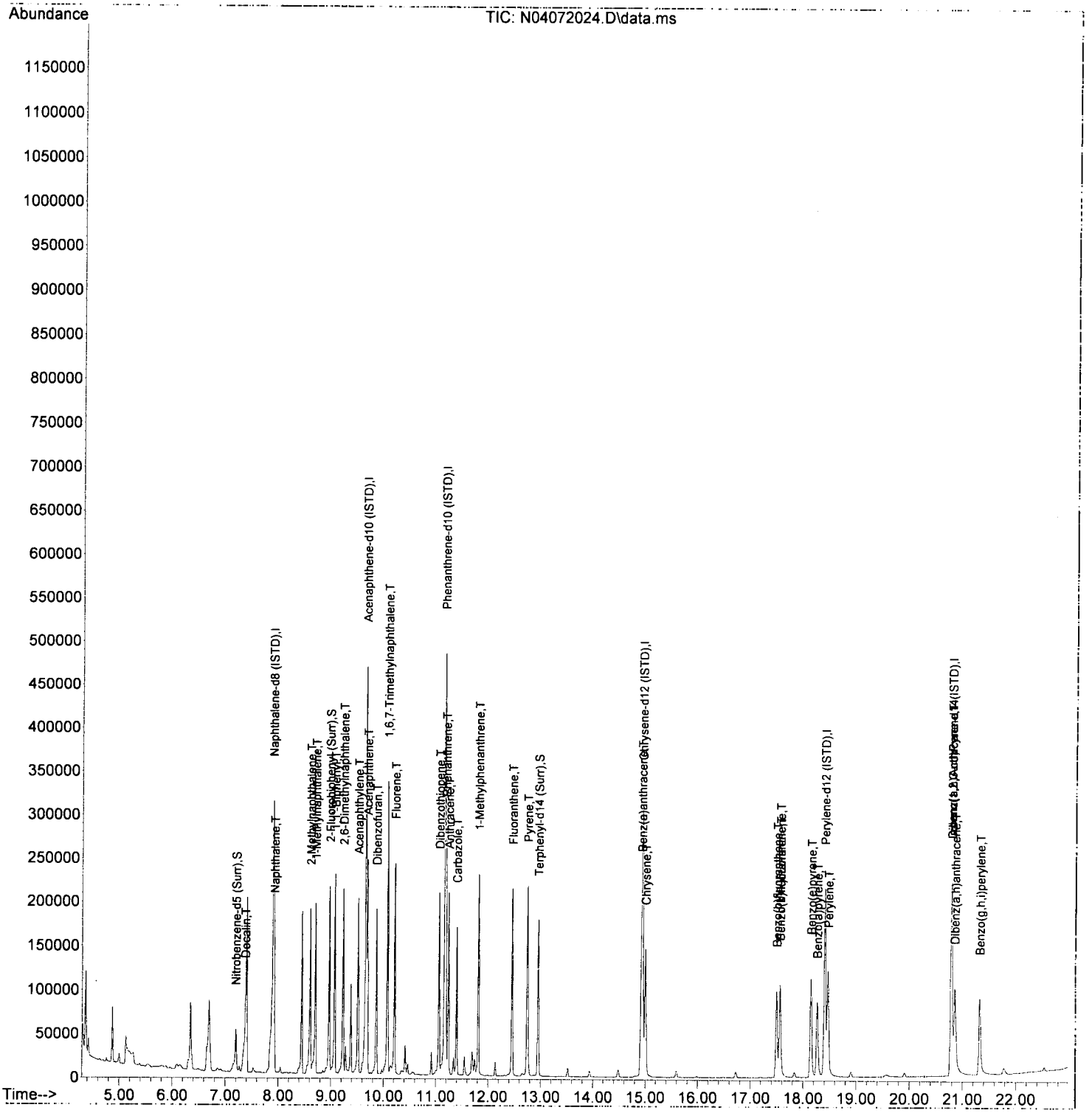
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.901	136	265379	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	144991	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	263411	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	209391	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.404	264	193930	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.788	292	149770	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	31558	38.07	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	114902	51.19	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	104677	51.74	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.382	138	8798	41.46	ng/ml	87
4) Naphthalene	7.924	128	134333	46.47	ng/ml	100
5) 2-Methylnaphthalene	8.606	142	95473	49.19	ng/ml	97
6) 1-Methylnaphthalene	8.705	142	95852	49.74	ng/ml	97
7) 1,1'-Biphenyl	9.072	154	122388	50.03	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.236	156	83923	50.01	ng/ml	96
11) Acenaphthylene	9.515	152	136436	50.46	ng/ml	99
12) Acenaphthene	9.690	153	99522	50.18	ng/ml	98
13) Dibenzofuran	9.865	168	127154	52.97	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	10.075	170	80111	51.55	ng/ml	98
15) Fluorene	10.215	166	97899	51.34	ng/ml	98
17) Dibenzothiopene	11.060	184	124997	46.96	ng/ml	96
18) Phenanthrene	11.188	178	149438	49.29	ng/ml	99
19) Anthracene	11.241	178	123075	49.56	ng/ml	99
20) Carbazole	11.398	167	106901	49.87	ng/ml	98
21) 1-Methylphenanthrene	11.812	192	103346	50.55	ng/ml	100
22) Fluoranthene	12.459	202	145369	48.65	ng/ml	96
24) Pyrene	12.750	202	153498	56.52	ng/ml	100
26) Benz(a)anthracene	14.924	228	101320	46.66	ng/ml	99
27) Chrysene	15.000	228	113999	51.05	ng/ml	99
29) Benzo(b)fluoranthene	17.500	252	93375	46.58	ng/ml	93
30) Benzo(k)fluoranthene	17.565	252	98839	49.45	ng/ml	93
31) Benzo(b+k)fluoranthene	17.565	252	205649	97.55	ng/ml	93
32) Benzo(e)pyrene	18.147	252	104146	49.68	ng/ml	98
33) Benzo(a)pyrene	18.264	252	79516	49.59	ng/ml	97
34) Perylene	18.468	252	113877	52.76	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.788	276	77694	47.76	ng/ml	80
37) Dibenz(a,h)anthracene	20.852	278	79648	48.55	ng/ml	84
38) Benzo(g,h,i)perylene	21.324	276	90765	52.01	ng/ml	80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072024.D
Acq On : 07 Apr 2020 23:44
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICV1
Misc : 1x, A20C479@50PPB
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:58 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 10:01:43 2020
Response via : Initial Calibration
InstName : SV-GCMS14



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Conventional Chemistry Parameters
Benchsheet & Analysis Sequence Data

Total Organic Carbon- Soil (5310 B)

Batch 0040465
Sequence 0D17045 (A0D0205-01,02,03,04)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

APR 2 8 2020

BATCH #: 0040465 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number		Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH 8 to 11	pH >11
	0040465-BLK1		QC	04/14/20 13:14	0.2	0.2									
	0040465-BS1		QC	04/14/20 13:14	0.2	0.2	A19K246		1						
	A0D0196-01	A	Total Organic Carbon - Soil (5310 B)	04/14/20 13:14	0.2	0.2					PDI-047SC-A-04-05-191001	MS/MSD/DUP			
	0040465-DUP1		QC	04/14/20 13:14	0.2	0.2		A0D0196-01							
	0040465-DUP2		QC	04/14/20 13:14	0.2	0.2		A0D0196-01							
	A0D0196-02	A	Total Organic Carbon - Soil (5310 B)	04/14/20 13:14	0.2	0.2					PDI-047SC-A-05-06-191001				
	A0D0196-03	A	Total Organic Carbon - Soil (5310 B)	04/14/20 13:14	0.2	0.2					PDI-047SC-A-06-07-191001				
	A0D0196-04	A	Total Organic Carbon - Soil (5310 B)	04/14/20 13:14	0.2	0.2					PDI-047SC-A-07-08-191001				
	A0D0205-01	A	Total Organic Carbon - Soil (5310 B)	04/14/20 13:14	0.2	0.2					PDI-049SC-A-08-09-191015				
	0040465-DUP3		QC	04/14/20 13:14	0.2	0.2		A0D0205-01							
	A0D0205-02	A	Total Organic Carbon - Soil (5310 B)	04/14/20 13:14	0.2	0.2					PDI-049SC-A-09-10-191015				
	A0D0205-03	A	Total Organic Carbon - Soil (5310 B)	04/14/20 13:14	0.2	0.2					PDI-049SC-A-10-11-191015				
	A0D0205-04	A	Total Organic Carbon - Soil (5310 B)	04/14/20 13:14	0.2	0.2					PDI-049SC-A-11-12-191015				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A19F020	06/03/29	TOC Soil Drying Oven @70oC
A19J023	11/30/23	Wet Chem Balance 4
A19J145	05/30/22	TOC Soil Blank Matrix
A19L107	06/06/20	10% Phosphoric Acid

Analyte Spike(s)

Std ID	Exp. Date	Description
A19K246	05/12/20	TOC 10k ppm secondary

Surrogate(s)

Std ID	Exp. Date	Description

MAS 4/21/20
Prepared By: Date

AMR 4/24/2020
Reviewed By: Date

Printed: 4/14/2020 1:20:28PM

Batch 0040465 TOC PSEP preweigh Analyst MAS

Date/Time:	4-16-20/16:14	4-17-20/1024	4-17-20/11:46		Effervesces?	Comments
T(°C) IN / OUT:	71.2/68.7	70.0/69.5	70.0/72.0	/		
Sample ID	Wt 1(g)	Wt 2(g)	Wt 3(g)	Wt 4(g)	(yes/no)	
A0D0196-01	7.6019	7.5972			N	
0040465-DUP1	11.2533	11.2455	11.2454		N	A0D0196-01
~~0040465-DUP2~~						~~A0D0196-01~~
A0D0196-02	7.8534	7.8487			N	
A0D0196-03	6.0265	6.0225			N	
A0D0196-04	7.9700	7.9660			N	
A0D0205-01	8.9283	8.9188	8.9181		N	
0040465-DUP3	10.7595	10.7476	10.7472		N	A0D0205-01
A0D0205-02	6.8112	6.8051	6.8015		N	
A0D0205-03	6.8965	6.8858	6.8830		N	
A0D0205-04	7.3876	7.3808	7.3794		N	

* First in oven @ 13:45 4/14/20

MAS

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

APR 2 7 2020

Sequence: 0D17045 Instrument: TOC6

Date: 04/17/20 16:11 Calibration: A0A0805

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D17045-CCV1	Soil	QC	QC				A20B041
2	0D17045-CCB1	Soil	QC	QC				
3	0040603-BLK1	Soil	QC	QC		0040603		
4	0040603-BS1	Soil	QC	QC		0040603		
5	0040465-BLK1	Soil	QC	QC		0040465		
6	0040465-BS1	Soil	QC	QC		0040465		
7	A0D0196-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040465		
8	"	Soil	Total Organic Carbon - Soil (9060A)	(QC Source)		0040465		
9	0040465-DUP1	Soil	QC	QC		0040465		
10	0040465-DUP2	Soil	QC	QC		0040465		
11	A0D0196-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040465		
12	A0D0196-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040465		
13	A0D0196-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040465		
14	0D17045-CCV2	Soil	QC	QC				A20B041
15	0D17045-CCB2	Soil	QC	QC				
16	A0D0205-01	Soil	Total Organic Carbon - Soil (9060A)	(QC Source)		0040465		
17	"	Soil	Total Organic Carbon - Soil (5310 B)	"	04/22/20	0040465		
18	0040465-DUP3	Soil	QC	QC		0040465		
19	A0D0205-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040465		
20	A0D0205-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040465		
21	A0D0205-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040465		
22	0040469-BLK1	Soil	QC	QC		0040469		
23	0040469-BS1	Soil	QC	QC		0040469		
24	A0D0207-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
25	0040469-DUP3	Soil	QC	QC		0040469		
26	A0D0207-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
27	0D17045-CCV3	Soil	QC	QC				A20B041
28	0D17045-CCB3	Soil	QC	QC				
29	A0D0207-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
30	A0D0207-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
31	A0D0207-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
32	A0D0207-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
33	A0D0210-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
34	0040469-DUP4	Soil	QC	QC		0040469		
35	A0D0210-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
36	A0D0212-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
37	0040469-DUP1	Soil	QC	QC		0040469		
38	0040469-DUP2	Soil	QC	QC		0040469		
39	0D17045-CCV4	Soil	QC	QC				A20B041
40	0D17045-CCB4	Soil	QC	QC				
41	A0D0212-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
42	A0D0212-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
43	A0D0212-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
44	A0D0212-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
45	A0D0212-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
46	A0D0212-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
47	A0D0212-08	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
48	A0D0212-09	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	04/22/20	0040469		
49	0D17045-CCV5	Soil	QC	QC				A20B041
50	0D17045-CCB5	Soil	QC	QC				

Sequence:	0D17045	Instrument:	TOC6
Date:	04/17/20 16:11	Calibration:	A0A0805

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID

Data Entered By: MAS 4/21/20

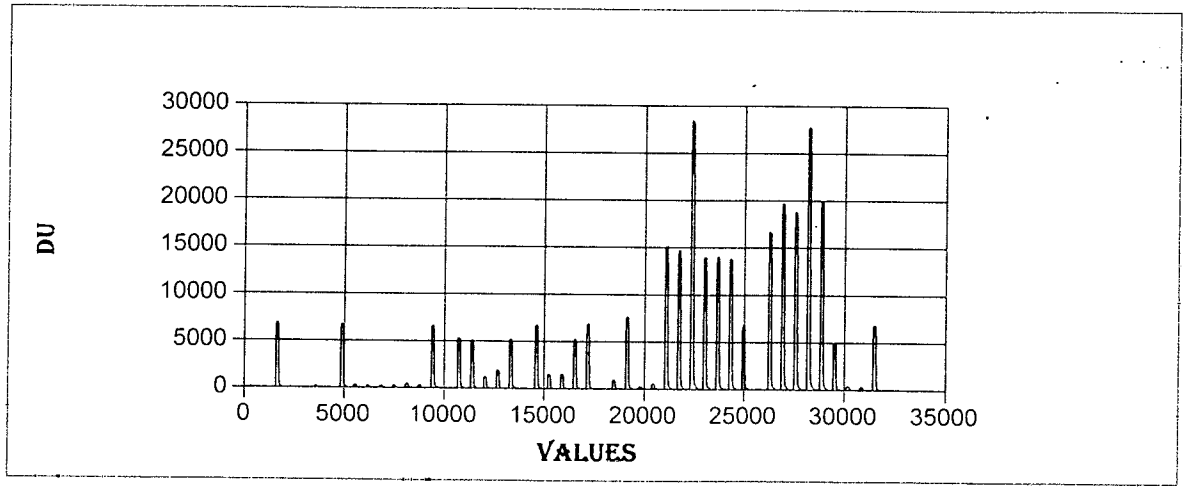
Comments:

Data Reviewed By: 4/21/2020

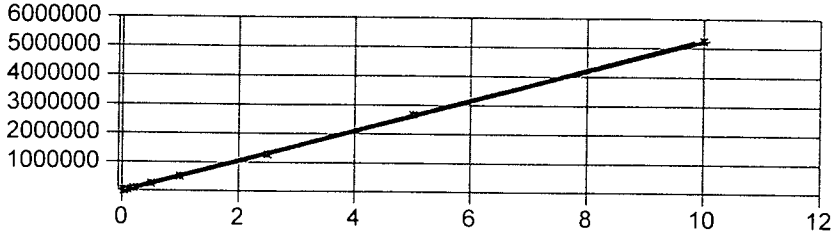
Method:	TCDirect	Run Start Time:	4/17/2020 6:00:46 P
Method Type:	TC_DIRECT	Run End Time:	4/18/2020 3:06:56 A
Table:	0D17045	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020200417A0

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A99	Prime	200	82.175	0.016	7747.25	4/17/2020 6:01:07 PM
A2	Blank	200	34.957	0.007	2779.02	4/17/2020 6:12:01 PM
A1	0D17045-CCV1	200	9540.475	1.908	1002942.96	4/17/2020 6:22:55 PM
A2	0D17045-CCB1	200	50.341	0.01	4397.79	4/17/2020 6:33:42 PM
A3	0040603-BLK1	212	59.837	0.013	5774.615	4/17/2020 6:44:29 PM
A4	0040603-BS1	200	219.352	0.044	22180.97	4/17/2020 6:55:16 PM
A5	0040465-BLK1	213.3	61.206	0.013	5969.19	4/17/2020 7:06:03 PM
A6	0040465-BS1	200	9555.56	1.911	1004530.18	4/17/2020 7:16:50 PM
A7	A0D0196-01	201.1	448.853	0.09	46588.655	4/17/2020 7:27:37 PM
A8	0040465-DUP1	204.2	334.949	0.068	35084.05	4/17/2020 7:38:24 PM
A9	0040465-DUP2	200.5	351.553	0.07	36183.56	4/17/2020 7:49:11 PM
A10	A0D0196-02	205.1	381.035	0.078	40215.51	4/17/2020 7:59:58 PM
A11	A0D0196-03	205.4	672.023	0.138	71719.82	4/17/2020 8:10:44 PM
A12	A0D0196-04	204.2	433.607	0.089	45682.85	4/17/2020 8:21:31 PM
A13	0D17045-CCV2	200	9494.992	1.899	998157.19	4/17/2020 8:32:18 PM
A2	0D17045-CCB2	200	46.474	0.009	3990.86	4/17/2020 8:43:05 PM
A14	A0D0205-01	200.2	7499.512	1.501	788983.33	4/17/2020 8:53:58 PM
A15	0040465-DUP3	201.2	7185.081	1.446	759646.09	4/17/2020 9:04:53 PM
A16	A0D0205-02	201.1	1712.424	0.344	180271.955	4/17/2020 9:15:39 PM
A17	A0D0205-03	203.3	2719.687	0.553	289986.14	4/17/2020 9:26:26 PM
A18	A0D0205-04	204.4	7223.752	1.477	775900.68	4/17/2020 9:37:13 PM
A19	0040469-BLK1	210.3	73.148	0.015	7193.87	4/17/2020 9:48:00 PM
A20	0040469-BS1	200	9531.797	1.906	1002029.82	4/17/2020 9:58:47 PM
A21	A0D0207-01	203.2	2127.412	0.432	226527.2	4/17/2020 10:09:34 PM
A22	0040469-DUP3	203.8	2159.865	0.44	230678.34	4/17/2020 10:20:21 PM
A23	A0D0207-02	205.9	7251.539	1.493	784611.23	4/17/2020 10:31:08 PM
A24	0D17045-CCV3	200	9717.032	1.943	1021520.09	4/17/2020 10:41:55 PM
A2	0D17045-CCB3	200	52.563	0.011	4631.58	4/17/2020 10:52:42 PM
A25	A0D0207-03	201.3	1353.923	0.273	142485.74	4/17/2020 11:03:36 PM
A26	A0D0207-04	200.2	10895.509	2.181	1146665.05	4/17/2020 11:14:30 PM
A27	A0D0207-05	202.7	355.592	0.072	37021.14	4/17/2020 11:25:17 PM
A28	A0D0207-06	200.1	835.478	0.167	87053.23	4/17/2020 11:36:03 PM
A29	A0D0210-01	108.5	39792.92	4.318	2270539.1	4/17/2020 11:46:50 PM

A30	0040469-DUP4	107.9	38787.968	4.185	2200931.28	4/17/2020 11:57:37 PM
A31	A0D0210-02	201.2	40206.899	8.09	4255025.575	4/18/2020 12:08:24 AM
A32	A0D0212-01	200.6	19830.5	3.978	2091911.76	4/18/2020 12:19:11 AM
A33	0040469-DUP1	202.6	19717.247	3.995	2100705.945	4/18/2020 12:29:58 AM
A34	0040469-DUP2	201.6	19520.285	3.935	2069442.755	4/18/2020 12:40:46 AM
A35	0D17045-CCV4	200	9743.152	1.949	1024268.47	4/18/2020 12:51:32 AM
A2	0D17045-CCB4	200	74.478	0.015	6937.4	4/18/2020 1:02:19 AM
A36	A0D0212-02	204.5	23031.709	4.71	2477007.09	4/18/2020 1:13:12 AM
A37	A0D0212-03	204.3	27346.544	5.587	2938348.62	4/18/2020 1:24:06 AM
A38	A0D0212-04	202.5	26433.5	5.353	2815181.54	4/18/2020 1:34:53 AM
A39	A0D0212-05	201.6	39238.474	7.91	4160774.535	4/18/2020 1:45:40 AM
A40	A0D0212-06	203.1	27855.162	5.657	2975430.285	4/18/2020 1:56:27 AM
A41	A0D0212-07	206.3	6928.22	1.429	751046.23	4/18/2020 2:07:14 AM
A42	A0D0212-08	204.5	593.793	0.121	62985.11	4/18/2020 2:18:14 AM
A43	A0D0212-09	202	483.666	0.098	50500.76	4/18/2020 2:29:08 AM
A44	0D17045-CCV5	200	9804.611	1.961	1030735.09	4/18/2020 2:40:02 AM
A2	0D17045-CCB5	200	58.127	0.012	5216.93	4/18/2020 2:50:56 AM



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



APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Conventional Chemistry Parameters
Calibration Data

Sequence 0A08052 (Cal ID A0A0805) TOC6

APEX LABORATORIES

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				

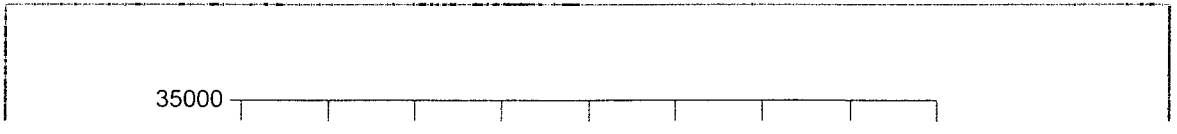
Data Entered By: CMF 1/9/2020

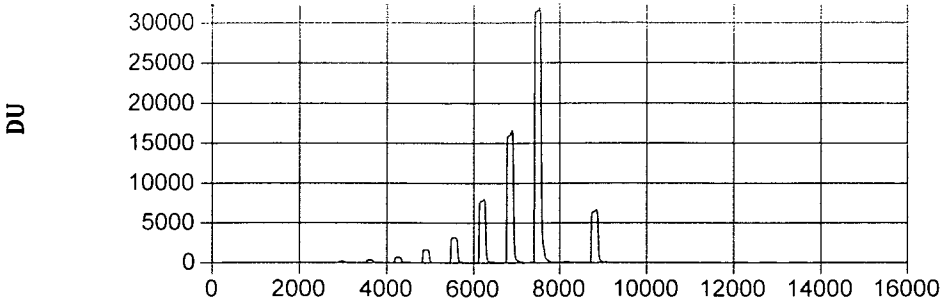
Data Reviewed By: CMF 1/10/20

Comments: SKalar ID SN 10020200108A1 cmf 1/9/2020

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:	0A08052	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	0A08052-CAL1	200	8.545	0.002	0	1/8/2020 6:48:17 PM
A2	0A08052-CAL2	40	1132.086	0.045/0.0002 = 225	22924.35	1/8/2020 6:59:11 PM
A3	0A08052-CAL3	100	1063.227	0.106 = 530	55036.88	1/8/2020 7:09:58 PM
A4	0A08052-CAL4	200	1039.388	0.208 = 1040	108464.545	1/8/2020 7:20:45 PM
A5	0A08052-CAL5	50	10075.077	0.504 = 2520	264124.015	1/8/2020 7:31:32 PM
A6	0A08052-CAL6	100	9827.481	0.983 = 4915	516121.2	1/8/2020 7:42:18 PM
A7	0A08052-CAL7	250	9761.05	2.44 = 12200	1282914.36	1/8/2020 7:53:05 PM
A8	0A08052-CAL8	500	10150.088	5.075 = 25375	2669063.5	1/8/2020 8:03:52 PM
A9	0A08052-CAL9	1000	9978.708	9.979 = 49875	5248863.92	1/8/2020 8:14:39 PM
A97	0A08052-IBL1	200	175.463	0.035	17562.96	1/8/2020 8:25:25 PM
A10	0A08052-ICV1	200	10013.587✓	2.003✓	1052723.4	1/8/2020 8:36:26 PM
A11	0A08052-ICB1	200	64.139✓	0.013✓	5849.56	1/8/2020 8:47:20 PM
A2	clean2	200	8.545	0.002	0	1/8/2020 8:58:06 PM
A3	clean3	200	8.545	0.002	0	1/8/2020 9:09:00 PM
A4	clean4	200	8.545	0.002	0	1/8/2020 9:19:46 PM
A5	clean5	200	8.545	0.002	0	1/8/2020 9:30:33 PM
A6	clean6	200	8.545	0.002	0	1/8/2020 9:41:20 PM
A7	clean7	200	8.545	0.002	0	1/8/2020 9:52:06 PM
A8	clean8	200	8.545	0.002	0	1/8/2020 10:02:53 PM
A9	clean9	200	49.259	0.01	4283.87	1/8/2020 10:13:40 PM
A10	clean10	200	8.545	0.002	0	1/8/2020 10:24:26 PM

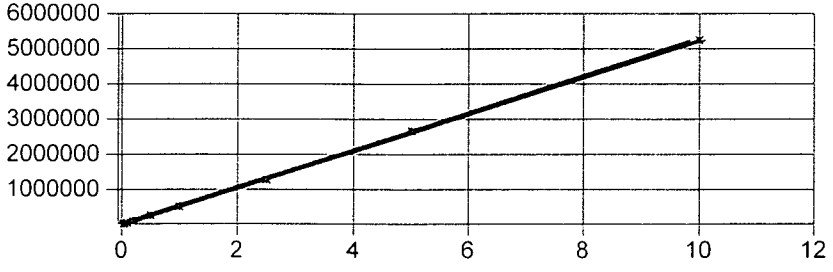




SNACCESS

METHOD NAME : TCDIRECT CALIBRATION TYPE : ISO FIRST ORDER GROUP : 1

A = -899.10605459823300 B = 526096.46424181900000 R = 0.99994117364848 R-SQUARED = 0.99988235075750



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Total Solids/Percent Dry Weight by SM2540G/8000C
Benchsheet Data

Batch 0040458 (A0D0205-01,02,03,04)

APEX LABORATORIES

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PREPARATION BENCH SHEET

APR 2 2 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0040458 (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
A0D0196-01	Dry Weight		04/14/20 10:59		1.2539	28.4255	23.8320	83.1	Use Results from TS.. Make NR once completed.
A0D0196-01	Solids, Total (SM 254		04/14/20 10:59		1.2539	28.4255	23.8320	83.1	Use Results for Dry Weight (Not for Waters)
0040458-DUP1	QC	A0D0196-01	04/14/20 10:59		1.2584	27.3981	22.7758	82.3	
A0D0196-02	Dry Weight		04/14/20 10:59		1.2591	27.7406	22.8811	81.6	Use Results from TS.. Make NR once completed.
A0D0196-02	Solids, Total (SM 254		04/14/20 10:59		1.2591	27.7406	22.8811	81.6	Use Results for Dry Weight (Not for Waters)
A0D0196-03	Dry Weight		04/14/20 10:59		1.2498	27.5551	23.8661	86.0	Use Results from TS.. Make NR once completed.
A0D0196-03	Solids, Total (SM 254		04/14/20 10:59		1.2498	27.5551	23.8661	86.0	Use Results for Dry Weight (Not for Waters)
A0D0196-04	Dry Weight		04/14/20 10:59		1.2601	28.1835	21.9122	76.7	Use Results from TS.. Make NR once completed.
A0D0196-04	Solids, Total (SM 254		04/14/20 10:59		1.2601	28.1835	21.9122	76.7	Use Results for Dry Weight (Not for Waters)
A0D0205-01	Dry Weight		04/14/20 10:59		1.2568	27.4661	19.9207	71.2	Use Results from TS.. Make NR once completed.
A0D0205-01	Solids, Total (SM 254		04/14/20 10:59		1.2568	27.4661	19.9207	71.2	Use Results for Dry Weight (Not for Waters)
0040458-DUP3	QC	A0D0205-01	04/14/20 10:59		1.2730	30.5148	22.0842	71.2	
A0D0205-02	Dry Weight		04/14/20 10:59		1.2614	27.5083	22.2846	80.1	Use Results from TS.. Make NR once completed.
A0D0205-02	Solids, Total (SM 254		04/14/20 10:59		1.2614	27.5083	22.2846	80.1	Use Results for Dry Weight (Not for Waters)
A0D0205-03	Dry Weight		04/14/20 10:59		1.2623	28.8207	20.6481	70.3	Use Results from TS.. Make NR once completed.
A0D0205-03	Solids, Total (SM 254		04/14/20 10:59		1.2623	28.8207	20.6481	70.3	Use Results for Dry Weight (Not for Waters)
A0D0205-04	Dry Weight		04/14/20 10:59		1.2580	28.0390	19.3947	67.7	Use Results from TS.. Make NR once completed.
A0D0205-04	Solids, Total (SM 254		04/14/20 10:59		1.2580	28.0390	19.3947	67.7	Use Results for Dry Weight (Not for Waters)
A0D0207-01	Dry Weight		04/14/20 10:59		1.2562	27.7462	20.7832	73.7	Use Results from TS.. Make NR once completed.
A0D0207-01	Solids, Total (SM 254		04/14/20 10:59		1.2562	27.7462	20.7832	73.7	Use Results for Dry Weight (Not for Waters)
0040458-DUP2	QC	A0D0207-01	04/14/20 10:59		1.2549	30.6699	22.6297	72.7	

MAS 4/17/20
Prepared By: Date

Reviewed By: 4/17/2020
Date

Printed: 4/17/2020 5:52:56PM

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PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0040458 (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
A0D0207-02	Dry Weight		04/14/20 10:59		1.2557	28.6808	20.1470	68.9	Use Results from TS.. Make NR once completed.
A0D0207-02	Solids, Total (SM 254		04/14/20 10:59		1.2557	28.6808	20.1470	68.9	Use Results for Dry Weight (Not for Waters)
A0D0207-03	Dry Weight		04/14/20 10:59		1.2553	27.0900	20.6569	75.1	Use Results from TS.. Make NR once completed.
A0D0207-03	Solids, Total (SM 254		04/14/20 10:59		1.2553	27.0900	20.6569	75.1	Use Results for Dry Weight (Not for Waters)
A0D0207-04	Dry Weight		04/14/20 10:59		1.2562	28.5953	19.2606	65.9	Use Results from TS.. Make NR once completed.
A0D0207-04	Solids, Total (SM 254		04/14/20 10:59		1.2562	28.5953	19.2606	65.9	Use Results for Dry Weight (Not for Waters)
A0D0207-05	Dry Weight		04/14/20 10:59		1.2622	27.4259	22.2148	80.1	Use Results from TS.. Make NR once completed.
A0D0207-05	Solids, Total (SM 254		04/14/20 10:59		1.2622	27.4259	22.2148	80.1	Use Results for Dry Weight (Not for Waters)
A0D0207-06	Dry Weight		04/14/20 10:59		1.2657	33.6812	26.2417	77.0	Use Results from TS.. Make NR once completed.
A0D0207-06	Solids, Total (SM 254		04/14/20 10:59		1.2657	33.6812	26.2417	77.0	Use Results for Dry Weight (Not for Waters)

Prepared By: Date

Reviewed By: Date

Printed: 4/17/2020 5:52:56PM

Total Solids Worksheet

Analyst: MAS Date: 04/14/20 Batch: 0040458

Sample ID	Vessel ID	Tare Weight (g)	Wet+ Tare Weight (g)	Dry Weight (g)		Comments
				1st weighing	2nd weighing	
A0D0196-01	1	1.2539	28.4255	23.8596	23.832	
0040458-DUP1	2	1.2584	27.3981	22.7999	22.7758	A0D0196-01
A0D0196-02	3	1.2591	27.7406	22.9047	22.8811	
A0D0196-03	4	1.2498	27.5551	23.8861	23.8661	
A0D0196-04	5	1.2601	28.1835	21.9314	21.9122	
A0D0205-01	6	1.2568	27.4661	19.9436	19.9207	
A0D0205-02	7	1.2614	27.5083	22.315	22.2846	
A0D0205-03	8	1.2623	28.8207	20.6777	20.6481	
A0D0205-04	9	1.258	28.039	19.4159	19.3947	
A0D0207-01	10	1.2562	27.7462	20.8061	20.7832	
0040458-DUP2	11	1.2549	30.6699	22.6539	22.6297	A0D0207-01
A0D0207-02	12	1.2557	28.6808	20.1697	20.147	
A0D0207-03	13	1.2553	27.09	20.6789	20.6569	
A0D0207-04	14	1.2562	28.5953	19.2835	19.2606	
A0D0207-05	15	1.2622	27.4259	22.2319	22.2148	
A0D0207-06	16	1.2657	33.6812	26.2615	26.2417	
0040458-DUP3	17	1.273	30.5148	22.1109	22.0842	A0D0205-01
						1st in oven@12:02 4/14
Oven Temp at Sample Introduction				103.3	103.3	*Constant weight = +/- 50 mg.
Oven Temp at sample removal				103.2	103.9	
Time/date				14:15/4-15-20	11:14/4-16-20	

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Balance Checksheets

Extractions April 2020
Dry Weight April 2020
Wet Chem April 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:

1000143396 300g 4/2/20→
7170 0.5g 4/2/20→
JCS 4/1/2020

Month: April
Year: 2020

Day/Time	Initials	Weight One	Observed	Weight Two	Observed
1 10:35	CwH		0.50		300.00
2 0936	AJJ		0.51		299.99
3 09:35	JAG		.51		299.99
4 ~~0~~					
5					
6 07:06	CAH		0.51		299.99
7 0735	AJJ		0.51		300.00
8 07:36	CAH		0.51		300.00
9 07:50	CAH		0.50		299.98
10 0723	AJJ		0.51		299.99
11					
12					
13 07:25	CAH		0.50		299.97
14 07:30	CAH		0.51		299.97
15 08:30	JAG		.49		299.96
16 0750	AJJ	0.50g	0.50	300.00g	299.97
17 07:25	JAG		0.50		299.99
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Balance Challenge Log

Dry Weight Balance 5
Radwag WTC 200
ID# 643426

Weight ID	weight (g)	acceptance range (g)	
	=/<1g	± 0.02g	
	>1g	± 2%	
10077	0.5g	0.48	0.52
10077 and 02-J60965-11	100g	98.000	102.000

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:

100g	10659	4/2/20 →
0.5g	7170	

JCS 4/1/2020

Month: April
Year: 2020

MEB 4/6/20

Day/Time	Initials	Weight One	Observed	Weight Two	Observed
1					
2 0805	~~ABJ~~		0.501		100.149
3 0816	MEB		0.501		100.148
4					
5					
6 ~~0850~~ 0750	MEB		0.501		100.147
7 0825	MEB		0.499		100.147
8 0710	MEB		0.501		100.146
9 07:20	JHG		0.501		100.148
10 0750	MEB		0.500		100.151
11					
12					
13 0833	MEB		0.502		100.148
14 0710	MEB		0.501		100.148
15 0710	MEB		0.500		100.144
16 0715	JHG	0.50g	.500	100.00g	100.145
17 0715	MEB		0.499		100.147
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Balance Challenge Log

Wet Chem Balance 1
Ohaus Adventurer Pro
SD# 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.

Alternate Weight/ID used:

100g	10659
0.100g	92771
0.005g	31045W

Month: April
Year: 2020

Date Range: 4/2/2020 – JA 4/1/2020

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1 1025	MAS		99.9988		0.0999		0.0052
2 1005	MAS		99.9990		0.1000		0.0050
3 1017	MAS		99.9991		0.1000		0.0050
4							
5							
6 1126	MAS		99.9989		0.1000		0.0050
7 1720	MAS		99.9990		0.0999		0.0052
8 1026	MAS		99.9991		0.1000		0.0048
9 1001	MAS		99.9991		0.1000		0.0052
10 1039	MAS		99.9990		0.1002		0.0051
11							
12							
13 1012	MAS		999984		0.1000		0.0050
14 0915	MVO		99.9981		0.1000		0.0050
15 1122	MAS		99.9985		0.0998		0.0050
16 1112	MAS	100.0000g	99.9984	0.1000g	0.1000	.0050g	0.0048
17 1010	MAS		99.9983		0.0999		0.0051
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							