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 #:

A0F0667

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

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APEX LABORATORIES, LLC
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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: 07/22/2020
Project: Gasco PreRD_DG 2019 – 4a-b DOC-CAP Testing Cores
Apex Work Order Number: A0F0667

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
ORELAP ID: **OR100062**

Saturday, July 11, 2020

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

RE: A0F0667 - 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 A0F0667, which was received by the laboratory on 4/29/2020 at 3:15:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1 4.0 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

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**	**A0F0667 - 07 11 20 0428**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-063SC-A-06-07-200429	A0F0667-01	SE	04/29/20 09:31	04/29/20 15:15
PDI-063SC-A-07-08-200429	A0F0667-02	SE	04/29/20 09:31	04/29/20 15:15

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0F0667 - 07 11 20 0428**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-063SC-A-06-07-200429 (A0F0667-01RE2)				**Matrix: SE**		**Batch: 0070021**		**C-07**
Aroclor 1016	ND	1.54	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Aroclor 1221	ND	1.54	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Aroclor 1232	ND	1.54	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Aroclor 1242	ND	1.54	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Aroclor 1248	ND	1.54	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Aroclor 1254	ND	3.06	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Aroclor 1260	ND	3.06	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Aroclor 1262	ND	1.54	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Aroclor 1268	ND	1.54	3.06	ug/kg dry	1	07/06/20 15:38	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 41 %*		*Limits: 43-120 %*	*1*	*07/06/20 15:38*	*EPA 8082A*	*S-03*
PDI-063SC-A-07-08-200429 (A0F0667-02)				**Matrix: SE**		**Batch: 0060834**		**C-07**
Aroclor 1016	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Aroclor 1221	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Aroclor 1232	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Aroclor 1242	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Aroclor 1248	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Aroclor 1254	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Aroclor 1260	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Aroclor 1262	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Aroclor 1268	ND	0.983	1.95	ug/kg dry	1	06/29/20 13:56	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 82 %*		*Limits: 43-120 %*	*1*	*06/29/20 13:56*	*EPA 8082A*	*Q-41*

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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**	**A0F0667 - 07 11 20 0428**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-063SC-A-06-07-200429 (A0F0667-01RE3)				**Matrix: SE**		**Batch: 0070206**		**C-05, H-08**
2,4'-DDD	**92.4**	61.6	123	ug/kg dry	20	07/09/20 18:32	EPA 8081B	**J**
2,4'-DDE	ND	61.6	123	ug/kg dry	20	07/09/20 18:32	EPA 8081B	
2,4'-DDT	ND	61.6	123	ug/kg dry	20	07/09/20 18:32	EPA 8081B	
4,4'-DDD	**214**	61.6	123	ug/kg dry	20	07/09/20 18:32	EPA 8081B	
4,4'-DDE	ND	61.6	123	ug/kg dry	20	07/09/20 18:32	EPA 8081B	
4,4'-DDT	ND	61.6	123	ug/kg dry	20	07/09/20 18:32	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*80 %*	*Limits:*	*42-129 %*	*20*	*07/09/20 18:32*	*EPA 8081B*	*S-05*
Decachlorobiphenyl (Surr)			*118 %*		*55-130 %*	*20*	*07/09/20 18:32*	*EPA 8081B*	*S-05*
PDI-063SC-A-07-08-200429 (A0F0667-02RE3)				**Matrix: SE**		**Batch: 0070206**		**C-05, H-08**
2,4'-DDD	ND	1.42	2.83	ug/kg dry	1	07/09/20 15:15	EPA 8081B	
2,4'-DDE	ND	1.42	2.83	ug/kg dry	1	07/09/20 15:15	EPA 8081B	
2,4'-DDT	ND	1.42	2.83	ug/kg dry	1	07/09/20 15:15	EPA 8081B	
4,4'-DDD	ND	2.97	2.97	ug/kg dry	1	07/09/20 15:15	EPA 8081B	R-02
4,4'-DDE	ND	1.42	2.83	ug/kg dry	1	07/09/20 15:15	EPA 8081B	
4,4'-DDT	ND	1.42	2.83	ug/kg dry	1	07/09/20 15:15	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*49 %*	*Limits:*	*42-129 %*	*1*	*07/09/20 15:15*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*81 %*		*55-130 %*	*1*	*07/09/20 15:15*	*EPA 8081B*	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

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**	**A0F0667 - 07 11 20 0428**

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-063SC-A-06-07-200429 (A0F0667-01RE1)				**Matrix: SE**		**Batch: 0060858**		**H-08**
Acenaphthene	**669000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Acenaphthylene	**47600**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Anthracene	**365000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Benz(a)anthracene	**274000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Benzo(a)pyrene	**440000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Benzo(b)fluoranthene	**342000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Benzo(k)fluoranthene	**110000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	**M-05**
Benzo(g,h,i)perylene	**323000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Chrysene	**328000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Dibenz(a,h)anthracene	**26800**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	**J**
Fluoranthene	**1100000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Fluorene	**293000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Indeno(1,2,3-cd)pyrene	**266000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
2-Methylnaphthalene	**607000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Naphthalene	**2470000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	**B-02**
Phenanthrene	**1670000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Pyrene	**1500000**	19000	38100	ug/kg dry	10000	06/26/20 15:34	EPA 8270D	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 900 %*		*Limits: 44-120 %*	*10000*	*06/26/20 15:34*	*EPA 8270D*	*S-05*
p-Terphenyl-d14 (Surr)		*1000 %*		*54-127 %*	*10000*	*06/26/20 15:34*	*EPA 8270D*	*S-05*
PDI-063SC-A-07-08-200429 (A0F0667-02RE1)				**Matrix: SE**		**Batch: 0060858**		**H-08**
Acenaphthene	**18000**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Acenaphthylene	ND	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Anthracene	**4220**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Benz(a)anthracene	**3180**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	**J**
Benzo(a)pyrene	**5700**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Benzo(b)fluoranthene	**4120**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Benzo(k)fluoranthene	ND	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Benzo(g,h,i)perylene	**4490**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Chrysene	**3900**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Dibenz(a,h)anthracene	ND	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Fluoranthene	**14800**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Fluorene	**6190**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	

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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**	**A0F0667 - 07 11 20 0428**

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-063SC-A-07-08-200429 (A0F0667-02RE1)				**Matrix: SE**		**Batch: 0060858**		**H-08**
Indeno(1,2,3-cd)pyrene	**3890**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
2-Methylnaphthalene	**14200**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Naphthalene	**12200**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	**B-02**
Phenanthrene	**26600**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Pyrene	**19700**	1700	3410	ug/kg dry	1000	06/26/20 16:06	EPA 8270D	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*130 %*	*Limits: 44-120 %*	*1000*	*06/26/20 16:06*	*EPA 8270D*	*S-05*
p-Terphenyl-d14 (Surr)			*160 %*	*54-127 %*	*1000*	*06/26/20 16:06*	*EPA 8270D*	*S-05*

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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-063SC-A-06-07-200429 (A0F0667-01RE1)				**Matrix: SE**				
Batch: 0060932								
Total Organic Carbon	**14**	---	0.020	% by Weight	1	07/07/20 12:07	SM 5310 B MOD	**H-08**
PDI-063SC-A-07-08-200429 (A0F0667-02)				**Matrix: SE**				
Batch: 0060932								
Total Organic Carbon	**1.2**	---	0.020	% by Weight	1	07/02/20 19:12	SM 5310 B MOD	**H-08**

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-063SC-A-06-07-200429 (A0F0667-01)				**Matrix: SE**				
Batch: 0060850								
Total Solids	**64.7**	1.00	1.00	% by Weight	1	06/29/20 12:50	SM 2540 G	
PDI-063SC-A-07-08-200429 (A0F0667-02)				**Matrix: SE**				
Batch: 0060850								
Total Solids	**68.0**	1.00	1.00	% by Weight	1	06/29/20 12:50	SM 2540 G	

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Portland, OR 97219	Project Manager: **Ryan Barth**	**A0F0667 - 07 11 20 0428**

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 0060834 - EPA 3546							**Sediment**					
Blank (0060834-BLK1)			Prepared: 06/25/20 11:09		Analyzed: 06/29/20 08:03							**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: 102 %*		*Limits: 43-120 %*			*Dilution: 1x*				
LCS (0060834-BS1)			Prepared: 06/25/20 11:09		Analyzed: 06/29/20 08:20							**C-07**
EPA 8082A												
Aroclor 1016	57.9	0.670	1.33	ug/kg wet	1	83.3	---	69	47-134%	---	---	
Aroclor 1260	72.6	0.670	1.33	ug/kg wet	1	83.3	---	87	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 106 %*		*Limits: 43-120 %*			*Dilution: 1x*				
Duplicate (0060834-DUP1)			Prepared: 06/25/20 11:09		Analyzed: 06/29/20 10:24							**C-07**
QC Source Sample: Non-SDG (A0F0647-03)												
Aroclor 1016	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1262	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1268	ND	0.799	1.59	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 102 %*		*Limits: 43-120 %*			*Dilution: 1x*				
Matrix Spike (0060834-MS1)			Prepared: 06/25/20 11:09		Analyzed: 06/29/20 12:45							**C-07**
QC Source Sample: Non-SDG (A0F0647-04)												

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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

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**	**A0F0667 - 07 11 20 0428**

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 0060834 - EPA 3546							**Sediment**					
Matrix Spike (0060834-MS1)			Prepared: 06/25/20 11:09		Analyzed: 06/29/20 12:45							**C-07**
QC Source Sample: Non-SDG (A0F0647-04)												
EPA 8082A												
Aroclor 1016	64.2	0.762	1.51	ug/kg dry	1	94.8	ND	68	47-134%	---	---	
Aroclor 1260	76.5	0.762	1.51	ug/kg dry	1	94.8	ND	81	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 101 %*		*Limits: 43-120 %*		*Dilution: 1x*					Q-41

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Portland, OR 97219	Project Manager: **Ryan Barth**	**A0F0667 - 07 11 20 0428**

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 0070021 - EPA 3546							**Sediment**					
Blank (0070021-BLK2)			Prepared: 07/01/20 10:28		Analyzed: 07/06/20 15:20							**C-07**
EPA 8082A												
Aroclor 1016	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1262	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1268	ND	0.670	1.33	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 107 %*		*Limits: 43-120 %*			*Dilution: 1x*				
LCS (0070021-BS1)			Prepared: 07/01/20 10:28		Analyzed: 07/06/20 08:48							**C-07**
EPA 8082A												
Aroclor 1016	61.8	0.670	1.33	ug/kg wet	1	83.3	---	74	47-134%	---	---	Q-31
Aroclor 1260	70.1	0.670	1.33	ug/kg wet	1	83.3	---	84	53-140%	---	---	Q-31
Surr: Decachlorobiphenyl (Surr)			*Recovery: 108 %*		*Limits: 43-120 %*			*Dilution: 1x*				
LCS Dup (0070021-BSD1)			Prepared: 07/01/20 12:09		Analyzed: 07/06/20 09:06							**C-07**
EPA 8082A												
Aroclor 1016	56.6	0.670	1.33	ug/kg wet	1	83.3	---	68	47-134%	9	30%	Q-31
Aroclor 1260	66.3	0.670	1.33	ug/kg wet	1	83.3	---	80	53-140%	6	30%	Q-31
Surr: Decachlorobiphenyl (Surr)			*Recovery: 102 %*		*Limits: 43-120 %*			*Dilution: 1x*				

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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]**
Portland, OR 97219	Project Manager:	**Ryan Barth**

Report ID:
A0F0667 - 07 11 20 0428

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 0070206 - EPA 3546/3640A (GPC)							**Sediment**					
Blank (0070206-BLK1)			Prepared: 07/07/20 12:49		Analyzed: 07/09/20 13:15							**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: 69 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*103 %*		*55-130 %*			*"*				
LCS (0070206-BS1)			Prepared: 07/07/20 12:49		Analyzed: 07/09/20 13:32							**C-05**
EPA 8081B												
2,4'-DDD	49.2	1.00	2.00	ug/kg wet	1	50.0	---	98	50-150%	---	---	
2,4'-DDE	48.1	1.00	2.00	ug/kg wet	1	50.0	---	96	50-150%	---	---	
2,4'-DDT	57.2	1.00	2.00	ug/kg wet	1	50.0	---	114	50-150%	---	---	
4,4'-DDD	50.4	1.00	2.00	ug/kg wet	1	50.0	---	101	50-150%	---	---	
4,4'-DDE	49.6	1.00	2.00	ug/kg wet	1	50.0	---	99	50-150%	---	---	
4,4'-DDT	54.1	1.00	2.00	ug/kg wet	1	50.0	---	108	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 70 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*98 %*		*55-130 %*			*"*				
Duplicate (0070206-DUP1)			Prepared: 07/07/20 12:49		Analyzed: 07/09/20 17:18							**C-05, H-08**
QC Source Sample: Non-SDG (A0F0647-01RE3)												
2,4'-DDD	ND	7.79	7.79	ug/kg dry	2	---	ND	---	---	---	30%	R-02
2,4'-DDE	ND	5.36	5.36	ug/kg dry	2	---	ND	---	---	---	30%	R-02
2,4'-DDT	ND	5.11	5.11	ug/kg dry	2	---	ND	---	---	---	30%	R-02
4,4'-DDD	**17.2**	2.44	4.87	ug/kg dry	2	---	17.8	---	---	4	30%	
4,4'-DDE	ND	4.87	4.87	ug/kg dry	2	---	ND	---	---	---	30%	
4,4'-DDT	ND	9.01	9.01	ug/kg dry	2	---	ND	---	---	---	30%	R-02
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 86 %*		*Limits: 42-129 %*			*Dilution: 2x*				
Decachlorobiphenyl (Surr)			*125 %*		*55-130 %*			*"*				
Matrix Spike (0070206-MS1)			Prepared: 07/07/20 12:49		Analyzed: 07/09/20 19:46							**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**	**A0F0667 - 07 11 20 0428**

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 0070206 - EPA 3546/3640A (GPC)							**Sediment**					
Matrix Spike (0070206-MS1)			Prepared: 07/07/20 12:49 Analyzed: 07/09/20 19:46									**C-05, H-08**
QC Source Sample: Non-SDG (A0F0670-02RE3)												
EPA 8081B												
2,4'-DDD	120	4.44	8.89	ug/kg dry	2	111	16.3	94	50-150%	---	---	
2,4'-DDE	109	8.89	8.89	ug/kg dry	2	111	ND	98	50-150%	---	---	
2,4'-DDT	140	8.89	8.89	ug/kg dry	2	111	ND	126	50-150%	---	---	
4,4'-DDD	201	4.44	8.89	ug/kg dry	2	111	36.8	148	50-150%	---	---	
4,4'-DDE	119	4.44	8.89	ug/kg dry	2	111	11.4	97	50-150%	---	---	
4,4'-DDT	150	8.89	8.89	ug/kg dry	2	111	ND	135	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 62 %*		*Limits: 42-129 %*			*Dilution: 2x*				
Decachlorobiphenyl (Surr)			*97 %*		*55-130 %*			*"*				

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Portland, OR 97219	Project Manager: **Ryan Barth**	**A0F0667 - 07 11 20 0428**

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 0060858 - EPA 3546							**Sediment**					
Blank (0060858-BLK1)			Prepared: 06/26/20 07:12		Analyzed: 06/26/20 11:13							
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	**1.34**	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	B-02, J
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: 93 %*		*Limits: 44-120 %*			*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*118 %*		*54-127 %*			*"*				
LCS (0060858-BS1)			Prepared: 06/26/20 07:12		Analyzed: 06/26/20 11:45							
EPA 8270D												
Acenaphthene	21.0	1.25	2.50	ug/kg wet	1	20.0	---	105	40-123%	---	---	
Acenaphthylene	20.6	1.25	2.50	ug/kg wet	1	20.0	---	103	32-132%	---	---	
Anthracene	21.9	1.25	2.50	ug/kg wet	1	20.0	---	110	47-123%	---	---	
Benz(a)anthracene	21.0	1.25	2.50	ug/kg wet	1	20.0	---	105	49-126%	---	---	
Benzo(a)pyrene	22.8	1.25	2.50	ug/kg wet	1	20.0	---	114	45-129%	---	---	
Benzo(b)fluoranthene	21.5	1.25	2.50	ug/kg wet	1	20.0	---	108	45-132%	---	---	
Benzo(k)fluoranthene	21.7	1.25	2.50	ug/kg wet	1	20.0	---	109	47-132%	---	---	
Benzo(g,h,i)perylene	20.6	1.25	2.50	ug/kg wet	1	20.0	---	103	43-134%	---	---	
Chrysene	21.2	1.25	2.50	ug/kg wet	1	20.0	---	106	50-124%	---	---	
Dibenz(a,h)anthracene	21.4	1.25	2.50	ug/kg wet	1	20.0	---	107	45-134%	---	---	
Fluoranthene	21.8	1.25	2.50	ug/kg wet	1	20.0	---	109	50-127%	---	---	

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Portland, OR 97219	Project Manager:	**Ryan Barth**

Report ID:
A0F0667 - 07 11 20 0428

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 0060858 - EPA 3546							**Sediment**					
LCS (0060858-BS1)			Prepared: 06/26/20 07:12	Analyzed: 06/26/20 11:45								
Fluorene	21.4	1.25	2.50	ug/kg wet	1	20.0	---	107	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	21.2	1.25	2.50	ug/kg wet	1	20.0	---	106	45-133%	---	---	
2-Methylnaphthalene	22.3	1.25	2.50	ug/kg wet	1	20.0	---	111	38-122%	---	---	
Naphthalene	21.0	1.25	2.50	ug/kg wet	1	20.0	---	105	35-123%	---	---	B-02
Phenanthrene	21.0	1.25	2.50	ug/kg wet	1	20.0	---	105	50-121%	---	---	
Pyrene	22.0	1.25	2.50	ug/kg wet	1	20.0	---	110	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 91 %*	*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*105 %*	*54-127 %*			*"*					
Duplicate (0060858-DUP1)			Prepared: 06/26/20 07:12	Analyzed: 06/26/20 12:50								**H-08**
QC Source Sample: Non-SDG (A0F0647-01RE1)												
Acenaphthene	**35000**	1490	2980	ug/kg dry	1000	---	58300	---	---	**50**	**30%**	Q-04
Acenaphthylene	**5090**	1490	2980	ug/kg dry	1000	---	6160	---	---	19	30%	
Anthracene	**19300**	1490	2980	ug/kg dry	1000	---	28300	---	---	**38**	**30%**	Q-04
Benz(a)anthracene	**15900**	1490	2980	ug/kg dry	1000	---	17100	---	---	7	30%	
Benzo(a)pyrene	**22700**	1490	2980	ug/kg dry	1000	---	24100	---	---	6	30%	
Benzo(b)fluoranthene	**18300**	1490	2980	ug/kg dry	1000	---	19400	---	---	6	30%	
Benzo(k)fluoranthene	**6330**	1490	2980	ug/kg dry	1000	---	6390	---	---	1	30%	M-05
Benzo(g,h,i)perylene	**16200**	1490	2980	ug/kg dry	1000	---	16300	---	---	0.7	30%	
Chrysene	**18900**	1490	2980	ug/kg dry	1000	---	23100	---	---	20	30%	
Dibenz(a,h)anthracene	**1650**	1490	2980	ug/kg dry	1000	---	1630	---	---	1	30%	J
Fluoranthene	**64600**	1490	2980	ug/kg dry	1000	---	69900	---	---	8	30%	
Fluorene	**18100**	1490	2980	ug/kg dry	1000	---	29100	---	---	**46**	**30%**	Q-04
Indeno(1,2,3-cd)pyrene	**14000**	1490	2980	ug/kg dry	1000	---	14400	---	---	3	30%	
2-Methylnaphthalene	**1670**	1490	2980	ug/kg dry	1000	---	2800	---	---	**50**	**30%**	Q-04, J
Naphthalene	**7060**	1490	2980	ug/kg dry	1000	---	9580	---	---	30	30%	B-02
Phenanthrene	**111000**	1490	2980	ug/kg dry	1000	---	145000	---	---	26	30%	
Pyrene	**89100**	1490	2980	ug/kg dry	1000	---	91000	---	---	2	30%	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 160 %*	*Limits: 44-120 %*			*Dilution: 1000x*					S-05
p-Terphenyl-d14 (Surr)			*200 %*	*54-127 %*			*"*					S-05
Matrix Spike (0060858-MS1)			Prepared: 06/26/20 07:12	Analyzed: 06/26/20 18:52								
QC Source Sample: Non-SDG (A0F0670-03RE2)												

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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0060858 - EPA 3546							**Sediment**					
Matrix Spike (0060858-MS1)			Prepared: 06/26/20 07:12 Analyzed: 06/26/20 18:52									
QC Source Sample: Non-SDG (A0F0670-03RE2)												
EPA 8270D												
Acenaphthene	22700	1850	3700	ug/kg dry	500	59.1	27500	**-8110**	**40-123%**	---	---	Q-11
Acenaphthylene	ND	1850	3700	ug/kg dry	500	59.1	1900	**-3210**	**32-132%**	---	---	Q-11
Anthracene	8490	1850	3700	ug/kg dry	500	59.1	17400	**-15000**	**47-123%**	---	---	Q-11
Benz(a)anthracene	4630	1850	3700	ug/kg dry	500	59.1	6860	**-3770**	**49-126%**	---	---	Q-11
Benzo(a)pyrene	5220	1850	3700	ug/kg dry	500	59.1	5850	**-1080**	**45-129%**	---	---	Q-11
Benzo(b)fluoranthene	4260	1850	3700	ug/kg dry	500	59.1	5490	**-2080**	**45-132%**	---	---	Q-11
Benzo(k)fluoranthene	ND	1850	3700	ug/kg dry	500	59.1	ND		**47-132%**	---	---	Q-11
Benzo(g,h,i)perylene	3190	1850	3700	ug/kg dry	500	59.1	2960	**400**	**43-134%**	---	---	Q-11, J
Chrysene	5090	1850	3700	ug/kg dry	500	59.1	7870	**-4700**	**50-124%**	---	---	Q-11
Dibenz(a,h)anthracene	ND	1850	3700	ug/kg dry	500	59.1	ND		**45-134%**	---	---	Q-11
Fluoranthene	19400	1850	3700	ug/kg dry	500	59.1	31900	**-21100**	**50-127%**	---	---	Q-11
Fluorene	11900	1850	3700	ug/kg dry	500	59.1	16100	**-7150**	**43-125%**	---	---	Q-11
Indeno(1,2,3-cd)pyrene	2960	1850	3700	ug/kg dry	500	59.1	2970	**-25**	**45-133%**	---	---	Q-11, J
2-Methylnaphthalene	12600	1850	3700	ug/kg dry	500	59.1	16200	**-6040**	**38-122%**	---	---	Q-11
Naphthalene	10000	1850	3700	ug/kg dry	500	59.1	17000	**-11700**	**35-123%**	---	---	B-02, Q-11
Phenanthrene	34900	1850	3700	ug/kg dry	500	59.1	55000	**-34100**	**50-121%**	---	---	Q-11
Pyrene	16900	1850	3700	ug/kg dry	500	59.1	31600	**-24900**	**47-127%**	---	---	Q-11
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 80 %*	*Limits: 44-120 %*			*Dilution: 500x*					S-05
p-Terphenyl-d14 (Surr)			*110 %*	*54-127 %*			*"*					S-05

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
ORELAP ID: **OR100062**

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:
A0F0667 - 07 11 20 0428

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 0060932 - PSEP-5310B TOC							**Soil**					
Blank (0060932-BLK1)			Prepared: 06/29/20 15:35		Analyzed: 07/02/20 17:35							
SM 5310 B MOD												
Total Organic Carbon	ND	---	0.020	% by Weight	1	---	---	---	---	---	---	
LCS (0060932-BS1)			Prepared: 06/29/20 15:35		Analyzed: 07/02/20 17:46							
SM 5310 B MOD												
Total Organic Carbon	10000	---		mg/kg	1	10000	---	103	90-110%	---	---	
Duplicate (0060932-DUP1)			Prepared: 06/29/20 15:35		Analyzed: 07/02/20 18:07							
QC Source Sample: Non-SDG (A0F0647-01)												
Total Organic Carbon	**0.75**	---	0.020	% by Weight	1	---	0.41	---	---	**58**	**20%**	Q-04
Duplicate (0060932-DUP2)			Prepared: 06/29/20 15:35		Analyzed: 07/02/20 18:18							
QC Source Sample: Non-SDG (A0F0647-01)												
Total Organic Carbon	**0.58**	---	0.020	% by Weight	1	---	0.41	---	---	**34**	**20%**	Q-04
Duplicate (0060932-DUP3)			Prepared: 06/29/20 15:35		Analyzed: 07/02/20 20:49							
QC Source Sample: Non-SDG (A0F0704-01)												
Total Organic Carbon	**0.035**	---	0.020	% by Weight	1	---	0.042	---	---	18	20%	

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

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**	**A0F0667 - 07 11 20 0428**

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 0060850 - Total Solids (SM2540G/PSEP)								**Sediment**				
Duplicate (0060850-DUP1)			Prepared: 06/25/20 15:21		Analyzed: 06/29/20 12:50							
QC Source Sample: Non-SDG (A0F0647-02)												
Total Solids	**87.0**	1.00	1.00	% by Weight	1	---	87.4	---	---	0.4	10%	
Duplicate (0060850-DUP2)			Prepared: 06/25/20 15:21		Analyzed: 06/29/20 12:50							
QC Source Sample: Non-SDG (A0F0698-08)												
Total Solids	**72.1**	1.00	1.00	% by Weight	1	---	72.1	---	---	0.002	10%	

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

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**	**A0F0667 - 07 11 20 0428**

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: 0060834							
A0F0667-02	SE	EPA 8082A	04/29/20 09:31	06/25/20 11:09	30.07g/2mL	30g/2mL	1.00
Batch: 0070021							
A0F0667-01RE2	SE	EPA 8082A	04/29/20 09:31	07/01/20 10:28	20.16g/2mL	30g/2mL	1.49

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: 0070206							
A0F0667-01RE3	SE	EPA 8081B	04/29/20 09:31	07/07/20 12:49	10.03g/20mL	10g/5mL	3.99
A0F0667-02RE3	SE	EPA 8081B	04/29/20 09:31	07/07/20 12:49	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: 0060858							
A0F0667-01RE1	SE	EPA 8270D	04/29/20 09:31	06/26/20 07:12	10.14g/5mL	10g/5mL	0.99
A0F0667-02RE1	SE	EPA 8270D	04/29/20 09:31	06/26/20 07:12	10.79g/5mL	10g/5mL	0.93

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0060932							
A0F0667-01RE1	SE	SM 5310 B MOD	04/29/20 09:31	06/29/20 15:35			NA
A0F0667-02	SE	SM 5310 B MOD	04/29/20 09:31	06/29/20 15:35			NA

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0060850							
A0F0667-01	SE	SM 2540 G	04/29/20 09:31	06/25/20 15:21			NA
A0F0667-02	SE	SM 2540 G	04/29/20 09:31	06/25/20 15:21			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
ORELAP ID: **OR100062**

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**	**A0F0667 - 07 11 20 0428**

QUALIFIER DEFINITIONS

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

Apex Laboratories

B-02	Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
C-05	Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
H-08	Sample hold time extended by freezing at -18 degrees C. Total time at 4 degrees C was less than the standard hold time.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-11	Spike recovery cannot be accurately quantified due to sample dilution required for high analyte concentration and/or matrix interference.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
S-03	Reextraction and analysis, or analysis of laboratory duplicate, confirms surrogate failure due to sample matrix effect.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0F0667 - 07 11 20 0428**

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.

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**	**A0F0667 - 07 11 20 0428**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

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**	**A0F0667 - 07 11 20 0428**

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

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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Apex Laboratories, LLC

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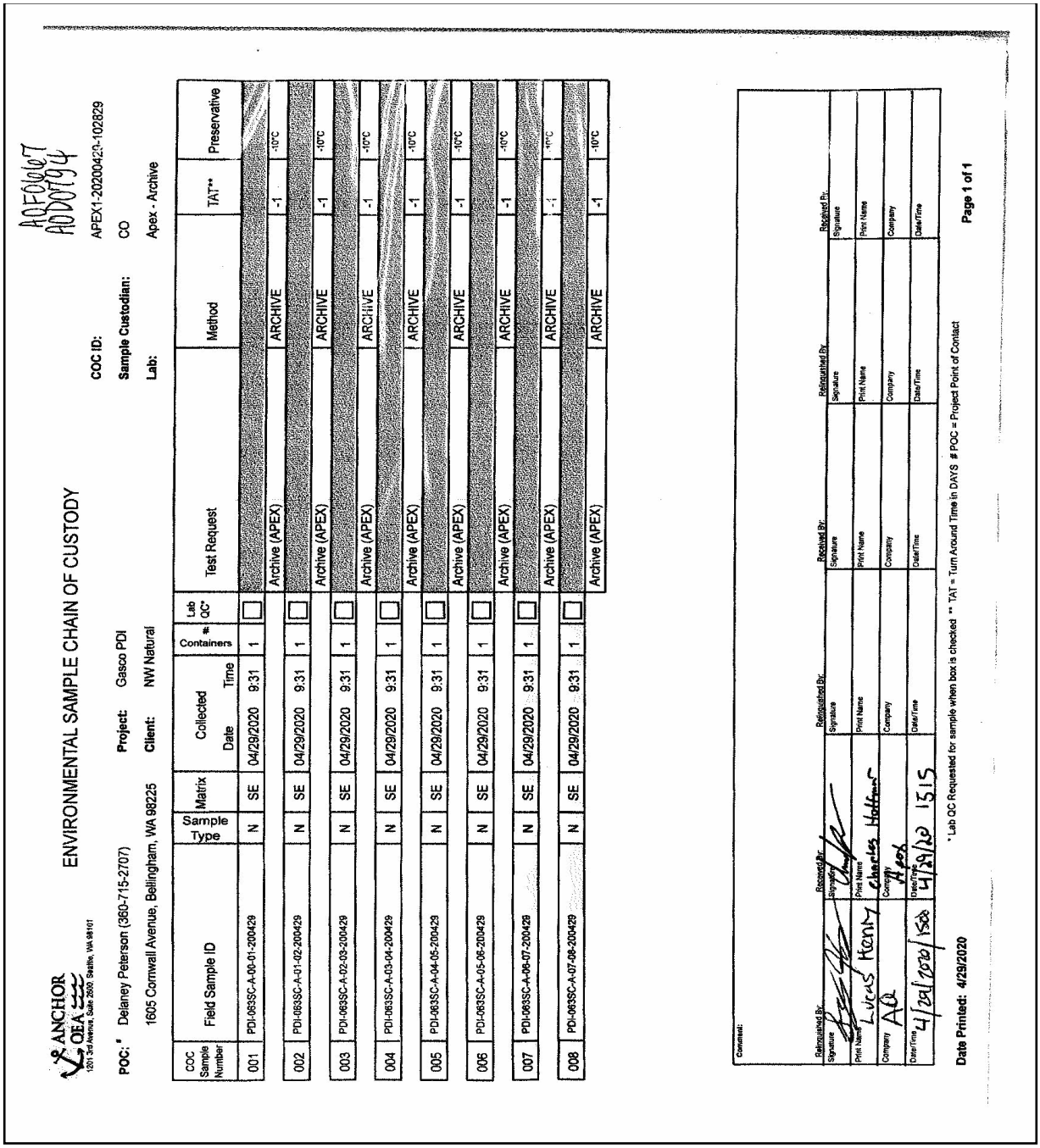
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

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:
A0F0667 - 07 11 20 0428



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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0F0667
AD0794

COC ID: APEX1-20200423-102829

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
001	PDI-063SC-A-00-01-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-063SC-A-01-02-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-063SC-A-02-03-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-063SC-A-03-04-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-063SC-A-04-05-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-063SC-A-05-06-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-063SC-A-06-07-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-063SC-A-07-08-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C

Comments:

Relinquished By: Signature / Print Name: Lucas Hanny / Company: AQ / Date/Time: 4/29/2020 1515

Received By: Signature / Print Name: Charles Hoffman / Company: Apex / Date/Time: 4/29/20 1515

Relinquished By: Signature / Print Name / Company / Date/Time

Received By: Signature / Print Name / Company / Date/Time

Relinquished By: Signature / Print Name / Company / Date/Time

Received By: Signature / Print Name / Company / Date/Time

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

Page 1 of 1

Date Printed: 4/29/2020

Apex Laboratories

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

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**	**A0F0667 - 07 11 20 0428**

APEX LABS COOLER RECEIPT FORM

A0F0667

Client: Anchor Element WO#: A0 D0794

Project/Project #: Gasco PDI

Delivery Info:

Date/time received: 4/29/20 @ 1515 By: CFH

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

Cooler Inspection Date/time inspected: 4/29/20 @ 1609 By: CFH

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)	4.0						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition:	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: 4/30/20 @ 1800 By: SJ

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: SJ Witness: AKK Cooler Inspected by: CFH See Project Contact Form: Y

Apex Laboratories

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Darwin Thomas, Business Development Director

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)

A0F0667

Apex Laboratories

Client: Anchor QEA, LLC
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Project Manager: Darwin Thomas
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: 07/08/20 17:00 (48 day TAT)
Received By: Charles F. Hoffman
Date Received: 04/29/20 15:15
Logged In By: Susan L. Treat
Date Logged In: 06/24/20 15:51

Cooler #1 received at 4.0°C

Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Analysis	Due	TAT	Expires	Comments
A0F0667-01 PDI-063SC-A-06-07-200429 [Sediment] Sampled 04/29/20 09:31 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				**Copy/relog of A0D0794-07**
Dry Weight				
Dry Weight	06/26/20 17:00	3	10/26/20 09:31	Use Results from TS.. Make NR once completed.
Project Mgmt				
Data Package	07/22/20 17:00	20	08/06/20 09:31	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	07/08/20 17:00	10	05/13/20 09:31	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	07/08/20 17:00	10	04/29/21 09:31	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	07/08/20 17:00	10	05/13/20 09:31	
Wet Chem				
Solids, Total (SM 2540 G,B)	07/08/20 17:00	10	10/26/20 09:31	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	07/08/20 17:00	10	05/27/20 09:31	
A0F0667-02 PDI-063SC-A-07-08-200429 [Sediment] Sampled 04/29/20 09:31 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				**Copy/relog of A0D0794-08**
Dry Weight				
Dry Weight	06/26/20 17:00	3	10/26/20 09:31	Use Results from TS.. Make NR once completed.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	07/08/20 17:00	10	05/13/20 09:31	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	07/08/20 17:00	10	04/29/21 09:31	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	07/08/20 17:00	10	05/13/20 09:31	
Wet Chem				
Solids, Total (SM 2540 G,B)	07/08/20 17:00	10	10/26/20 09:31	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	07/08/20 17:00	10	05/27/20 09:31	

Reviewed By

Date

A0F0667

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

AQF0667
AQD0794

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: APEX1-20200429-102829

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
001	PDI-063SC-A-00-01-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-063SC-A-01-02-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-063SC-A-02-03-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-063SC-A-03-04-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-063SC-A-04-05-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-063SC-A-05-06-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-063SC-A-06-07-200429	N	SE	04/29/2020	9:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-063SC-A-07-08-200429	N	SE	04/29/2020	9:31	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: Lucas Henry	Print Name: Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company: AQ	Company: Apex	Company	Company	Company	Company
Date/Time: 4/29/2020 1500	Date/Time: 4/29/20 1515	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 4/29/2020

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

APEX LABS COOLER RECEIPT FORM

AOF0666 7

Client: Anchor Element WO#: A0 D0794

Project/Project #: Gasco PDI

Delivery Info:

Date/time received: 4/29/20 @ 1515 By: CFH

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

Cooler Inspection Date/time inspected: 4/29/20 @ 1609 By: CFH

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)	4.0						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition:	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: 4/30/20 @ 1807 By: 8

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: PVC Cooler Inspected by: CFH 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-063SC-A-06-07-200429	A0F0667-01	SE
PDI-063SC-A-07-08-200429	A0F0667-02	SE

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

Signature: 

Name: David G. Jack

Forms Created: 7/21/2020 4:07PM

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-063SC-A-06-07-200429

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	SE	Laboratory ID:	A0F0667-01RE2	File ID:	ECD2R005.D
Sampled:	04/29/20 09:31	Prepared:	07/01/20 10:28	Analyzed:	07/06/20 15:38
Solids:	64.72	Preparation:	EPA 3546	Initial/Final:	20.16 g / 2 mL
Batch:	0070021	Sequence:	0G06059	Calibration:	A0F3005
Instrument:	DUALECD2R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.54	U
11104-28-2	Aroclor 1221	1	1.54	U
11141-16-5	Aroclor 1232	1	1.54	U
53469-21-9	Aroclor 1242	1	1.54	U
12672-29-6	Aroclor 1248	1	1.54	U
11097-69-1	Aroclor 1254	1	3.06	U
11096-82-5	Aroclor 1260	1	3.06	U
37324-23-5	Aroclor 1262	1	1.54	U
11100-14-4	Aroclor 1268	1	1.54	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	38.3	15.7	41	43 - 120	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-063SC-A-07-08-200429

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	SE	Laboratory ID:	A0F0667-02	File ID:	ECD2F024.D
Sampled:	04/29/20 09:31	Prepared:	06/25/20 11:09	Analyzed:	06/29/20 13:56
Solids:	67.97	Preparation:	EPA 3546	Initial/Final:	30.07 g / 2 mL
Batch:	0060834	Sequence:	0F29028	Calibration:	A0F2307
Instrument:	DUALECD2F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.983	U
11104-28-2	Aroclor 1221	1	0.983	U
11141-16-5	Aroclor 1232	1	0.983	U
53469-21-9	Aroclor 1242	1	0.983	U
12672-29-6	Aroclor 1248	1	0.983	U
11097-69-1	Aroclor 1254	1	0.983	U
11096-82-5	Aroclor 1260	1	0.983	U
37324-23-5	Aroclor 1262	1	0.983	U
11100-14-4	Aroclor 1268	1	0.983	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	24.5	20.0	82	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: 0060834
Batch Matrix: Sediment
Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0060834-BLK1	ECD2F004.D	06/25/20 11:09	
LCS	0060834-BS1	ECD2F005.D	06/25/20 11:09	
PDI-063SC-A-07-08-200429	A0F0667-02	ECD2F024.D	06/25/20 11:09	

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

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0070021
Batch Matrix: Sediment
Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0070021-BLK2	ECD2R004.D	07/01/20 10:28	
LCS	0070021-BS1	ECD2R006.D	07/01/20 10:28	
LCS Dup	0070021-BSD1	ECD2R007.D	07/01/20 12:09	
PDI-063SC-A-06-07-200429	A0F0667-01RE2	ECD2R005.D	07/01/20 10:28	

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 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:	0060834-BLK1	File ID:	ECD2F004.D
Prepared:	06/25/20 11:09	Preparation:	EPA 3546	Initial/Final:	31 g / 2 mL
Analyzed:	06/29/20 08:03	Instrument:	DUALECD2F		
Batch:	0060834	Sequence:	0F29028	Calibration:	A0F2307

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	16.4	102	43 - 120	

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:	0070021-BLK2	File ID:	ECD2R004.D
Prepared:	07/01/20 10:28	Preparation:	EPA 3546	Initial/Final:	30 g / 2 mL
Analyzed:	07/06/20 15:20	Instrument:	DUALECD2R		
Batch:	0070021	Sequence:	0G06059	Calibration:	A0F3005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
12674-11-2	Aroclor 1016	0.670	U
11104-28-2	Aroclor 1221	0.670	U
11141-16-5	Aroclor 1232	0.670	U
53469-21-9	Aroclor 1242	0.670	U
12672-29-6	Aroclor 1248	0.670	U
11097-69-1	Aroclor 1254	0.670	U
11096-82-5	Aroclor 1260	0.670	U
37324-23-5	Aroclor 1262	0.670	U
11100-14-4	Aroclor 1268	0.670	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	16.7	17.9	107	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:	0060834	Laboratory ID:	0060834-BS1
Preparation:	EPA 3546	Initial/Final:	30 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	83.3	57.9	69	47 - 134
Aroclor 1260	83.3	72.6	87	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment		
Batch:	0070021	Laboratory ID:	0070021-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	61.8	74	47 - 134
Aroclor 1260	83.3	70.1	84	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment		
Batch:	0070021	Laboratory ID:	0070021-BSD1
Preparation:	EPA 3546	Initial/Final:	30 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS
Aroclor 1016	83.3	56.6	68	9	30	47 - 134
Aroclor 1260	83.3	66.3	80	6	30	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:	0F22030	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0F2307

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0F22030-ICB1	ECD2F009.D	06/22/20 17:22
Cal Standard	0F22030-CAL1	ECD2F010.D	06/22/20 17:40
Cal Standard	0F22030-CAL2	ECD2F011.D	06/22/20 17:58
Cal Standard	0F22030-CAL3	ECD2F012.D	06/22/20 18:15
Cal Standard	0F22030-CAL4	ECD2F013.D	06/22/20 18:33
Cal Standard	0F22030-CAL5	ECD2F014.D	06/22/20 18:51
Cal Standard	0F22030-CAL6	ECD2F015.D	06/22/20 19:08
Cal Standard	0F22030-CAL7	ECD2F016.D	06/22/20 19:26
Initial Cal Check	0F22030-ICV1	ECD2F018.D	06/22/20 20:01
Cal Standard	0F22030-CAL8	ECD2F019.D	06/22/20 20:19
Cal Standard	0F22030-CAL9	ECD2F020.D	06/22/20 20:37
Cal Standard	0F22030-CALA	ECD2F021.D	06/22/20 20:54
Cal Standard	0F22030-CALB	ECD2F022.D	06/22/20 21:12
Cal Standard	0F22030-CALC	ECD2F023.D	06/22/20 21:29
Cal Standard	0F22030-CALD	ECD2F024.D	06/22/20 21:47
Cal Standard	0F22030-CALE	ECD2F025.D	06/22/20 22:05
Initial Cal Check	0F22030-ICV2	ECD2F026.D	06/22/20 22:22
Initial Cal Check	0F22030-ICV3	ECD2F027.D	06/22/20 22:40
Initial Cal Check	0F22030-ICV4	ECD2F028.D	06/22/20 22:58
Initial Cal Check	0F22030-ICV5	ECD2F029.D	06/22/20 23:15

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:	0F29028	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0F2307

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0F29028-CCV1	ECD2F002.D	06/29/20 07:21
Calibration Blank	0F29028-CCB1	ECD2F003.D	06/29/20 07:39
Blank	0060834-BLK1	ECD2F004.D	06/29/20 08:03
LCS	0060834-BS1	ECD2F005.D	06/29/20 08:20
Calibration Check	0F29028-CCV2	ECD2F016.D	06/29/20 11:34
Calibration Blank	0F29028-CCB2	ECD2F017.D	06/29/20 11:52
PDI-063SC-A-07-08-200429	A0F0667-02	ECD2F024.D	06/29/20 13:56
Calibration Check	0F29028-CCV3	ECD2F032.D	06/29/20 16:17
Calibration Blank	0F29028-CCB3	ECD2F033.D	06/29/20 16:34

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

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:	0F30023	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0F3005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0F30023-ICB1	ECD2R003.D	06/30/20 07:03
Initial Cal Check	0F30023-ICV1	ECD2R012.D	06/30/20 09:42
Cal Standard	0F30023-CAL8	ECD2R013.D	06/30/20 09:59
Cal Standard	0F30023-CAL9	ECD2R014.D	06/30/20 10:17
Cal Standard	0F30023-CALA	ECD2R015.D	06/30/20 10:34
Cal Standard	0F30023-CALB	ECD2R016.D	06/30/20 10:52
Cal Standard	0F30023-CALC	ECD2R017.D	06/30/20 11:10
Cal Standard	0F30023-CALD	ECD2R018.D	06/30/20 11:27
Cal Standard	0F30023-CALE	ECD2R019.D	06/30/20 11:45
Initial Cal Check	0F30023-ICV2	ECD2R020.D	06/30/20 12:03
Initial Cal Check	0F30023-ICV3	ECD2R021.D	06/30/20 12:20
Initial Cal Check	0F30023-ICV4	ECD2R022.D	06/30/20 12:38
Initial Cal Check	0F30023-ICV5	ECD2R023.D	06/30/20 12:55

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0G06029	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0F3005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0G06029-CCV1	ECD2R003.D	07/06/20 07:55
Calibration Blank	0G06029-CCB1	ECD2R004.D	07/06/20 08:13
LCS	0070021-BS1	ECD2R006.D	07/06/20 08:48
LCS Dup	0070021-BSD1	ECD2R007.D	07/06/20 09:06
Calibration Check	0G06029-CCV2	ECD2R010.D	07/06/20 09:59
Calibration Blank	0G06029-CCB2	ECD2R011.D	07/06/20 10:16

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 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:	0G06059	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0F3005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0G06059-CCV1	ECD2R002.D	07/06/20 14:45
Calibration Blank	0G06059-CCB1	ECD2R003.D	07/06/20 15:02
Blank	0070021-BLK2	ECD2R004.D	07/06/20 15:20
PDI-063SC-A-06-07-200429	A0F0667-01RE2	ECD2R005.D	07/06/20 15:38
Calibration Check	0G06059-CCV2	ECD2R014.D	07/06/20 18:17
Calibration Blank	0G06059-CCB2	ECD2R015.D	07/06/20 18:34

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

INITIAL CALIBRATION DATA (Summary)

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: A0F2307 Date: 06/23/20 16:00 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)	124879.8	Ave	6.563321	9.678143	2.033475E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Calibration: A0F2307

SDG: Gasco_PreRD_DG 2019

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

Instrument: DUALECD2F

Calibration Date: 06/23/20 16:00

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	5733.55	50	5012.2	100	4887.59	200	4554.705	500	4623.424	1000	4290.376
1016 (2)	20	10898.7	50	10058.98	100	9990.98	200	9990.135	500	9851.838	1000	10032.04
1016 (3)	20	6112.15	50	5445.2	100	5460.54	200	5185.68	500	5198.56	1000	5140.921
1016 (4)	20	4660.5	50	4149.28	100	4104.21	200	3799.27	500	3711.358	1000	3762.955
1016 (5)	20	5868.9	50	5270.12	100	5070.36	200	5026.935	500	4873.496	1000	4825.909
1016 (6)	20	4338.95	50	3926.86	100	3818.93	200	3497.435	500	3724.404	1000	3513.537
Aroclor 1016	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
1260 (1)	20	10944.2	50	9885.5	100	9539.92	200	9080.21	500	9226.05	1000	9304.677
1260 (2)	20	13224.7	50	11872.48	100	11225.79	200	11446.15	500	11822.25	1000	11589.69
1260 (3)	20	10429.65	50	9370.16	100	9081.62	200	8739.385	500	8830.644	1000	9034.721
1260 (4)	20	22943.55	50	21278.3	100	21069.67	200	20621.82	500	21889.36	1000	22155.59
1260 (5)	20	15140	50	13911.26	100	13567.36	200	13955.29	500	14196.32	1000	14762.04
1260 (6)	20	7038.5	50	6235.92	100	5794.94	200	5544.33	500	5691.962	1000	5556.964
Aroclor 1260	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
Decachlorobiphenyl (Surr)	10	122273.1	25	116048.4	50	117607.7	100	121800.9	250	125174.6	500	132103.7

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: A0F2307
Instrument: DUALECD2F
Matrix:
Calibration Date: 06/23/20 16:00

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	4431.631										
1016 (2)	1500	9813.373										
1016 (3)	1500	5156.79										
1016 (4)	1500	3777.565										
1016 (5)	1500	5045.39										
1016 (6)	1500	3651.675										
Aroclor 1016	1500	0										
1254 (1)											500	7058.112
1254 (2)											500	8536.344
1254 (3)											500	13552.13
1254 (4)											500	9258.188
1254 (5)											500	9232.932
1254 (6)											500	3003.77
Aroclor 1254											500	0
1260 (1)	1500	9225.514										
1260 (2)	1500	11754.76										
1260 (3)	1500	9453.113										
1260 (4)	1500	23111.11										
1260 (5)	1500	14981.89										
1260 (6)	1500	5739.792										
Aroclor 1260	1500	0										
Decachlorobiphenyl (Surr)	800	139150.4			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: A0F2307
Instrument: DUALECD2F
Matrix:
Calibration Date: 06/23/20 16:00

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	9071.876										
1262 (2)	500	12737.07										
1262 (3)	500	11129.37										
1262 (4)	500	23893.82										
1262 (5)	500	14482.76										
1262 (6)	500	7636.054										
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: A0F3005 Date: 06/30/20 15:10 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)	144731.2	Ave	5.810449	10.63714	1.665356E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Calibration: A0F3005

SDG: Gasco_PreRD_DG 2019

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

Instrument: DUALECD2R

Calibration Date: 06/30/20 15:10

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	12437.7	50	10581.22	100	10457.44	200	9736.775	500	9218.798	1000	8820.323
1016 (2)	20	18468.9	50	16519.64	100	16181.79	200	16305.2	500	16150.79	1000	15420.03
1016 (3)	20	9947.15	50	8596.64	100	8622.73	200	8364.475	500	7800.396	1000	7803.498
1016 (4)	20	10235.75	50	8833.02	100	8406.27	200	7920.325	500	7478.424	1000	7200.765
1016 (5)	20	11163.05	50	9292.96	100	9544.93	200	8882.925	500	8525.454	1000	8188.366
1016 (6)	20	11038.8	50	9483.12	100	9779.76	200	8855.82	500	8580.038	1000	8161.976
Aroclor 1016	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
1260 (1)	20	19740.35	50	17262.46	100	17019.9	200	17222.5	500	16241	1000	15944.5
1260 (2)	20	23967.95	50	21364.22	100	21033.4	200	20264.06	500	20064.14	1000	19837.12
1260 (3)	20	23759.9	50	21313.16	100	21885.74	200	19830.05	500	19858.71	1000	20055.67
1260 (4)	20	34562.3	50	31427.1	100	32368.1	200	33244.13	500	32070.48	1000	32875.51
1260 (5)	20	21271.2	50	18982.76	100	18920.3	200	18625.13	500	17677.64	1000	18129.3
1260 (6)	20	9331.3	50	8217.72	100	7746.32	200	7595.66	500	7235.136	1000	7193.707
Aroclor 1260	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
Decachlorobiphenyl (Surr)	10	149244.2	25	135877.2	50	141557.1	100	140991.9	250	135972.4	500	151236.6

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration: A0F3005
Instrument: DUALECD2R
Matrix:
Calibration Date: 06/30/20 15:10

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	8545.807										
1016 (2)	1500	16286.55										
1016 (3)	1500	7509.593										
1016 (4)	1500	7248.747										
1016 (5)	1500	8052.6										
1016 (6)	1500	8086.76										
Aroclor 1016	1500	0										
1254 (1)											500	13176.79
1254 (2)											500	20366.28
1254 (3)											500	22220.94
1254 (4)											500	16735.52
1254 (5)											500	16493.17
1254 (6)											500	5159.034
Aroclor 1254											500	0
1260 (1)	1500	15979.37										
1260 (2)	1500	20110.82										
1260 (3)	1500	20481.43										
1260 (4)	1500	34908.35										
1260 (5)	1500	19403.1										
1260 (6)	1500	7110.933										
Aroclor 1260	1500	0										
Decachlorobiphenyl (Surr)	800	158239.3			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: A0F3005
Instrument: DUALECD2R
Matrix:
Calibration Date: 06/30/20 15:10

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	15096.58										
1262 (2)	500	21393.04										
1262 (3)	500	16773.69										
1262 (4)	500	36450.24										
1262 (5)	500	21118.58										
1262 (6)	500	9929.756										
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:	DUALECD2F	Calibration:	A0F2307
Lab File ID:	ECD2F018.D		
Sequence:	0F22030	Inject Date:	06/22/20
Lab Sample ID:	0F22030-ICV1	Inject Time:	20:01

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	451	-9.7	70 - 130
Aroclor 1260	500	449	-10.2	70 - 130
Decachlorobiphenyl (Surr)	200	217	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:	A0F2307
Lab File ID:	ECD2F026.D		
Sequence:	0F22030	Inject Date:	06/22/20
Lab Sample ID:	0F22030-ICV2	Inject Time:	22:22

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	960	-4.0	70 - 130
Aroclor 1254	500	513	2.6	70 - 130
Decachlorobiphenyl (Surr)	80.0	86.7	8.4	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0F2307
Lab File ID:	ECD2F027.D		
Sequence:	0F22030	Inject Date:	06/22/20
Lab Sample ID:	0F22030-ICV3	Inject Time:	22:40

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	516	3.1	70 - 130
Aroclor 1262	500	472	-5.6	70 - 130
Decachlorobiphenyl (Surr)	80.0	85.3	6.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0F2307
Lab File ID:	ECD2F028.D		
Sequence:	0F22030	Inject Date:	06/22/20
Lab Sample ID:	0F22030-ICV4	Inject Time:	22:58

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	521	4.2	70 - 130
Aroclor 1268	500	506	1.3	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 T
Instrument ID:	DUALECD2F	Calibration:	A0F2307
Lab File ID:	ECD2F029.D		
Sequence:	0F22030	Inject Date:	06/22/20
Lab Sample ID:	0F22030-ICV5	Inject Time:	23:15

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	512	2.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2R	Calibration:	A0F3005
Lab File ID:	ECD2R012.D		
Sequence:	0F30023	Inject Date:	06/30/20
Lab Sample ID:	0F30023-ICV1	Inject Time:	09:42

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	440	-12.1	70 - 130
Aroclor 1260	500	452	-9.7	70 - 130
Decachlorobiphenyl (Surr)	200	211	5.3	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 T
Instrument ID:	DUALECD2R	Calibration:	A0F3005
Lab File ID:	ECD2R020.D		
Sequence:	0F30023	Inject Date:	06/30/20
Lab Sample ID:	0F30023-ICV2	Inject Time:	12:03

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	963	-3.7	70 - 130
Aroclor 1254	500	507	1.5	70 - 130
Decachlorobiphenyl (Surr)	80.0	87.1	8.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2R	Calibration:	A0F3005
Lab File ID:	ECD2R021.D		
Sequence:	0F30023	Inject Date:	06/30/20
Lab Sample ID:	0F30023-ICV3	Inject Time:	12:20

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	503	0.6	70 - 130
Aroclor 1262	500	471	-5.9	70 - 130
Decachlorobiphenyl (Surr)	80.0	88.9	11.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2R	Calibration:	A0F3005
Lab File ID:	ECD2R022.D		
Sequence:	0F30023	Inject Date:	06/30/20
Lab Sample ID:	0F30023-ICV4	Inject Time:	12:38

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	498	-0.4	70 - 130
Aroclor 1268	500	490	-2.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2R	Calibration:	A0F3005
Lab File ID:	ECD2R023.D		
Sequence:	0F30023	Inject Date:	06/30/20
Lab Sample ID:	0F30023-ICV5	Inject Time:	12:55

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	488	-2.4	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:	A0F2307
Lab File ID:	ECD2F002.D	Calibration Date:	06/23/20 16:00
Sequence:	0F29028	Injection Date:	06/29/20
Lab Sample ID:	0F29028-CCV1	Injection Time:	07:21

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	475				-4.9	20
Aroclor 1260	Ave	500	494				-1.3	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:	DUALECD2F	Calibration:	A0F2307
Lab File ID:	ECD2F016.D	Calibration Date:	06/23/20 16:00
Sequence:	0F29028	Injection Date:	06/29/20
Lab Sample ID:	0F29028-CCV2	Injection Time:	11:34

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	462				-7.5	20
Aroclor 1260	Ave	500	470				-6.0	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:	A0F2307
Lab File ID:	ECD2F032.D	Calibration Date:	06/23/20 16:00
Sequence:	0F29028	Injection Date:	06/29/20
Lab Sample ID:	0F29028-CCV3	Injection Time:	16:17

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	496				-0.8	20
Aroclor 1260	Ave	500	492				-1.6	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:	A0F3005
Lab File ID:	ECD2R003.D	Calibration Date:	06/30/20 15:10
Sequence:	0G06029	Injection Date:	07/06/20
Lab Sample ID:	0G06029-CCV1	Injection Time:	07:55

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	441				-11.9	20
Aroclor 1260	Ave	500	439				-12.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	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:	A0F3005
Lab File ID:	ECD2R010.D	Calibration Date:	06/30/20 15:10
Sequence:	0G06029	Injection Date:	07/06/20
Lab Sample ID:	0G06029-CCV2	Injection Time:	09:59

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	390				-22.0	20
Aroclor 1260	Ave	500	389				-22.3	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:	A0F3005
Lab File ID:	ECD2R002.D	Calibration Date:	06/30/20 15:10
Sequence:	0G06059	Injection Date:	07/06/20
Lab Sample ID:	0G06059-CCV1	Injection Time:	14:45

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	468				-6.3	20
Aroclor 1260	Ave	500	461				-7.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	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:	A0F3005
Lab File ID:	ECD2R014.D	Calibration Date:	06/30/20 15:10
Sequence:	0G06059	Injection Date:	07/06/20
Lab Sample ID:	0G06059-CCV2	Injection Time:	18:17

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	500				-0.004	20
Aroclor 1260	Ave	500	501				0.1	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:	0F22030	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0F2307

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0F22030-ICV1)			Lab File ID: ECD2F018.D		Analyzed: 06/22/20 20:01			
Decachlorobiphenyl (Surr)	200	108	70 - 130	9.677	9.678143	-0.0011	+/-1.0	
Initial Cal Check (0F22030-ICV2)			Lab File ID: ECD2F026.D		Analyzed: 06/22/20 22:22			
Decachlorobiphenyl (Surr)	80.0	108	70 - 130	9.678	9.678143	-0.0001	+/-1.0	
Initial Cal Check (0F22030-ICV3)			Lab File ID: ECD2F027.D		Analyzed: 06/22/20 22:40			
Decachlorobiphenyl (Surr)	80.0	107	70 - 130	9.679	9.678143	0.0009	+/-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:	0F29028	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0F2307

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0F29028-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 06/29/20 07:21			
Decachlorobiphenyl (Surr)	250	116	80 - 120	9.679	9.678143	0.0009	+/-1.0	
Calibration Blank (0F29028-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 06/29/20 07:39			
Decachlorobiphenyl (Surr)	100	105	43 - 120	9.679	9.678143	0.0009	+/-1.0	
Blank (0060834-BLK1)			Lab File ID: ECD2F004.D		Analyzed: 06/29/20 08:03			
Decachlorobiphenyl (Surr)	16.1	102	43 - 120	9.683	9.678143	0.0049	+/-1.0	
LCS (0060834-BS1)			Lab File ID: ECD2F005.D		Analyzed: 06/29/20 08:20			
Decachlorobiphenyl (Surr)	16.7	106	43 - 120	9.68	9.678143	0.0019	+/-1.0	
Calibration Check (0F29028-CCV2)			Lab File ID: ECD2F016.D		Analyzed: 06/29/20 11:34			
Decachlorobiphenyl (Surr)	250	111	80 - 120	9.678	9.678143	-0.0001	+/-1.0	
Calibration Blank (0F29028-CCB2)			Lab File ID: ECD2F017.D		Analyzed: 06/29/20 11:52			
Decachlorobiphenyl (Surr)	100	105	43 - 120	9.678	9.678143	-0.0001	+/-1.0	
PDI-063SC-A-07-08-200429 (A0F0667-02)			Lab File ID: ECD2F024.D		Analyzed: 06/29/20 13:56			
Decachlorobiphenyl (Surr)	24.5	82	43 - 120	9.68	9.678143	0.0019	+/-1.0	
Calibration Check (0F29028-CCV3)			Lab File ID: ECD2F032.D		Analyzed: 06/29/20 16:17			
Decachlorobiphenyl (Surr)	250	126	80 - 120	9.679	9.678143	0.0009	+/-1.0	*
Calibration Blank (0F29028-CCB3)			Lab File ID: ECD2F033.D		Analyzed: 06/29/20 16:34			
Decachlorobiphenyl (Surr)	100	114	43 - 120	9.678	9.678143	-0.0001	+/-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:	0F30023	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0F3005

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0F30023-ICV1)			Lab File ID: ECD2R012.D		Analyzed: 06/30/20 09:42			
Decachlorobiphenyl (Surr)	200	105	70 - 130	10.637	10.63714	-0.0001	+/-1.0	
Initial Cal Check (0F30023-ICV2)			Lab File ID: ECD2R020.D		Analyzed: 06/30/20 12:03			
Decachlorobiphenyl (Surr)	80.0	109	70 - 130	10.636	10.63714	-0.0011	+/-1.0	
Initial Cal Check (0F30023-ICV3)			Lab File ID: ECD2R021.D		Analyzed: 06/30/20 12:20			
Decachlorobiphenyl (Surr)	80.0	111	70 - 130	10.635	10.63714	-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:	0G06029	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0F3005

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0G06029-CCV1)			Lab File ID: ECD2R003.D		Analyzed: 07/06/20 07:55			
Decachlorobiphenyl (Surr)	250	102	80 - 120	10.635	10.63714	-0.0021	+/-1.0	
Calibration Blank (0G06029-CCB1)			Lab File ID: ECD2R004.D		Analyzed: 07/06/20 08:13			
Decachlorobiphenyl (Surr)	100	101	43 - 120	10.636	10.63714	-0.0011	+/-1.0	
LCS (0070021-BS1)			Lab File ID: ECD2R006.D		Analyzed: 07/06/20 08:48			
Decachlorobiphenyl (Surr)	16.7	108	43 - 120	10.636	10.63714	-0.0011	+/-1.0	
LCS Dup (0070021-BSD1)			Lab File ID: ECD2R007.D		Analyzed: 07/06/20 09:06			
Decachlorobiphenyl (Surr)	16.7	102	43 - 120	10.636	10.63714	-0.0011	+/-1.0	
Calibration Check (0G06029-CCV2)			Lab File ID: ECD2R010.D		Analyzed: 07/06/20 09:59			
Decachlorobiphenyl (Surr)	250	97	80 - 120	10.636	10.63714	-0.0011	+/-1.0	
Calibration Blank (0G06029-CCB2)			Lab File ID: ECD2R011.D		Analyzed: 07/06/20 10:16			
Decachlorobiphenyl (Surr)	100	93	43 - 120	10.634	10.63714	-0.0031	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0G06059	Instrument:	DUALECD2R
Matrix:	Sediment	Calibration:	A0F3005

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0G06059-CCV1)			Lab File ID: ECD2R002.D		Analyzed: 07/06/20 14:45			
Decachlorobiphenyl (Surr)	250	114	80 - 120	10.636	10.63714	-0.0011	+/-1.0	
Calibration Blank (0G06059-CCB1)			Lab File ID: ECD2R003.D		Analyzed: 07/06/20 15:02			
Decachlorobiphenyl (Surr)	100	107	43 - 120	10.635	10.63714	-0.0021	+/-1.0	
Blank (0070021-BLK2)			Lab File ID: ECD2R004.D		Analyzed: 07/06/20 15:20			
Decachlorobiphenyl (Surr)	16.7	107	43 - 120	10.635	10.63714	-0.0021	+/-1.0	
PDI-063SC-A-06-07-200429 (A0F0667-01RE2)			Lab File ID: ECD2R005.D		Analyzed: 07/06/20 15:38			
Decachlorobiphenyl (Surr)	38.3	41	43 - 120	10.639	10.63714	0.0019	+/-1.0	*
Calibration Check (0G06059-CCV2)			Lab File ID: ECD2R014.D		Analyzed: 07/06/20 18:17			
Decachlorobiphenyl (Surr)	250	119	80 - 120	10.634	10.63714	-0.0031	+/-1.0	
Calibration Blank (0G06059-CCB2)			Lab File ID: ECD2R015.D		Analyzed: 07/06/20 18:34			
Decachlorobiphenyl (Surr)	100	116	43 - 120	10.634	10.63714	-0.0031	+/-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-063SC-A-06-07-200429	04/29/20 09:31	04/29/20 15:15	07/01/20 10:28	63.04	365.00	07/06/20 15:38	5.22	40.00	
PDI-063SC-A-07-08-200429	04/29/20 09:31	04/29/20 15:15	06/25/20 11:09	57.07	365.00	06/29/20 13:56	4.12	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

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-063SC-A-06-07-200429	A0F0667-01	SE
PDI-063SC-A-07-08-200429	A0F0667-02	SE

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

Signature: 

Name: David G. Jack

Forms Created: 7/21/2020 4:07PM

Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories **SDG:** Gasco_PreRD_DG 2019

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

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
2,4'-DDD [2C]	0.500	1.00	ug/kg
2,4'-DDE [2C]	0.500	1.00	ug/kg
2,4'-DDT [2C]	0.500	1.00	ug/kg
4,4'-DDD	0.500	1.00	ug/kg
4,4'-DDD [2C]	0.500	1.00	ug/kg
4,4'-DDE	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-063SC-A-06-07-200429

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	SE	Laboratory ID:	A0F0667-01RE3	File ID:	ECD8-07092025.D
Sampled:	04/29/20 09:31	Prepared:	07/07/20 12:49	Analyzed:	07/09/20 18:32
Solids:	64.72	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.03 g / 20 mL
Batch:	0070206	Sequence:	0G09046	Calibration:	A0F0804
Instrument:	DUALECD8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	20	92.4	JD
3424-82-6	2,4'-DDE [2C]	20	61.6	U
789-02-6	2,4'-DDT [2C]	20	61.6	U
72-54-8	4,4'-DDD [2C]	20	214	D
72-55-9	4,4'-DDE [2C]	20	61.6	U
50-29-3	4,4'-DDT [2C]	20	61.6	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	77.0	61.6	80	42 - 129	
Decachlorobiphenyl (Surr)	77.0	91.2	118	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-063SC-A-07-08-200429

Laboratory:	Apex Laboratories		SDG:	Gasco_PreRD_DG 2019	
Client:	Anchor QEA, LLC		Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co	
Matrix:	SE	Laboratory ID:	A0F0667-02RE3	File ID:	ECD8-07092014.D
Sampled:	04/29/20 09:31	Prepared:	07/07/20 12:49	Analyzed:	07/09/20 15:15
Solids:	67.97	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.39 g / 10 mL
Batch:	0070206	Sequence:	0G09046	Calibration:	A0F0804
Instrument:	DUALECD8				

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	1	2.97	U
72-55-9	4,4'-DDE	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]	70.8	35.0	49	42 - 129	
Decachlorobiphenyl (Surr) [2C]	70.8	57.1	81	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: 0070206 Batch Matrix: Sediment Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0070206-BLK1	ECD8-07092007.D	07/07/20 12:49	
LCS	0070206-BS1	ECD8-07092008.D	07/07/20 12:49	
PDI-063SC-A-06-07-200429	A0F0667-01RE3	ECD8-07092025.D	07/07/20 12:49	
PDI-063SC-A-07-08-200429	A0F0667-02RE3	ECD8-07092014.D	07/07/20 12:49	

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

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:	0070206-BLK1	File ID:	ECD8-07092007.D
Prepared:	07/07/20 12:49	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	11 g / 10 mL
Analyzed:	07/09/20 13:15	Instrument:	DUALECD8		
Batch:	0070206	Sequence:	0G09046	Calibration:	A0F0804

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	45.5	31.5	69	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	47.0	103	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:	0070206	Laboratory ID:	0070206-BS1
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	50.0	49.2	98	50 - 150
2,4'-DDE [2C]	50.0	48.1	96	50 - 150
2,4'-DDT [2C]	50.0	57.2	114	50 - 150
4,4'-DDD [2C]	50.0	50.4	101	50 - 150
4,4'-DDE [2C]	50.0	49.6	99	50 - 150
4,4'-DDT [2C]	50.0	54.1	108	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:	0F06008	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0F0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0F06008-ICB1	ECD8-06062004.D	06/06/20 15:34
Cal Standard	0F06008-CAL1	ECD8-06062005.D	06/06/20 15:51
Cal Standard	0F06008-CAL2	ECD8-06062006.D	06/06/20 16:07
Cal Standard	0F06008-CAL3	ECD8-06062007.D	06/06/20 16:24
Cal Standard	0F06008-CAL4	ECD8-06062008.D	06/06/20 16:40
Cal Standard	0F06008-CAL5	ECD8-06062009.D	06/06/20 16:57
Cal Standard	0F06008-CAL6	ECD8-06062010.D	06/06/20 17:13
Cal Standard	0F06008-CAL7	ECD8-06062011.D	06/06/20 17:30
Cal Standard	0F06008-CAL8	ECD8-06062012.D	06/06/20 17:46
Cal Standard	0F06008-CAL9	ECD8-06062013.D	06/06/20 18:03
Initial Cal Check	0F06008-ICV1	ECD8-06062015.D	06/06/20 18:36
Cal Standard	0F06008-CALA	ECD8-06062016.D	06/06/20 18:52
Cal Standard	0F06008-CALB	ECD8-06062017.D	06/06/20 19:09
Cal Standard	0F06008-CALC	ECD8-06062018.D	06/06/20 19:25
Cal Standard	0F06008-CALD	ECD8-06062019.D	06/06/20 19:42
Cal Standard	0F06008-CALE	ECD8-06062020.D	06/06/20 19:58
Cal Standard	0F06008-CALF	ECD8-06062021.D	06/06/20 20:15
Cal Standard	0F06008-CALG	ECD8-06062022.D	06/06/20 20:31
Cal Standard	0F06008-CALH	ECD8-06062023.D	06/06/20 20:48
Cal Standard	0F06008-CALI	ECD8-06062024.D	06/06/20 21:04
Initial Cal Check	0F06008-ICV2	ECD8-06062026.D	06/06/20 21:38

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

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:	0G09046	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0F0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0G09046-CCV1	ECD8-07092004.D	07/09/20 12:26
Calibration Check	0G09046-CCV2	ECD8-07092005.D	07/09/20 12:42
Calibration Blank	0G09046-CCB1	ECD8-07092006.D	07/09/20 12:59
Blank	0070206-BLK1	ECD8-07092007.D	07/09/20 13:15
LCS	0070206-BS1	ECD8-07092008.D	07/09/20 13:32
PDI-063SC-A-07-08-200429	A0F0667-02RE3	ECD8-07092014.D	07/09/20 15:15
Calibration Check	0G09046-CCV3	ECD8-07092016.D	07/09/20 15:52
Calibration Check	0G09046-CCV4	ECD8-07092017.D	07/09/20 16:08
Calibration Blank	0G09046-CCB2	ECD8-07092018.D	07/09/20 16:25
PDI-063SC-A-06-07-200429	A0F0667-01RE3	ECD8-07092025.D	07/09/20 18:32
Calibration Check	0G09046-CCV5	ECD8-07092031.D	07/09/20 20:23
Calibration Check	0G09046-CCV6	ECD8-07092032.D	07/09/20 20:39
Calibration Blank	0G09046-CCB3	ECD8-07092033.D	07/09/20 20:56

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 8081B

Laboratory: Apex Laboratories SDG: Gasco_PreRD_DG 2019

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

Calibration: A0F0804 Date: 06/08/20 11:32 Instrument: DUALECD8

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD [2C]	2078342	Ave	9.813481	8.358222	1.938592E-02			20	
2,4'-DDE	2393332	Ave	10.29904	7.214778	1.286293E-02			20	
2,4'-DDT	2034350	XXX	10.87389	7.768778	1.030623E-02				
4,4'-DDD	2853244	Ave	9.103462	7.886	1.424052E-02			20	
4,4'-DDE	3665109	Ave	6.565103	7.465222	1.525116E-02			20	
4,4'-DDT	2433669	XXX	12.61083	8.083555	1.364197E-02				
2,4,5,6-TCMX (Surr) [2C]	3550081	Ave	10.18364	5.847222	2.250635E-02			20	
Decachlorobiphenyl (Surr)	3108161	XXX	12.69247	9.482445	1.389061E-02				
Decachlorobiphenyl (Surr) [2C]	2559219	XXX	10.87433	10.39611	9.207504E-03				

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Calibration: A0F0804

SDG: Gasco_PreRD_DG 2019

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

Instrument: DUALECD8

Calibration Date: 06/08/20 11:32

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	2757348	1	2642114	2	2521979	5	2702634	10	2731552	25	2827186
4,4'-DDD [2C]	0.5	2866930	1	2582156	2	2394549	5	2508180	10	2661394	25	2887020
4,4'-DDE	0.5	3663016	1	3469480	2	3362467	5	3461446	10	3570272	25	3621114
4,4'-DDE [2C]	0.5	3426592	1	3125539	2	3020023	5	3224212	10	3333731	25	3631193
4,4'-DDT	0.5	2353994	1	2125504	2	2090029	5	2124326	10	2317338	25	2517565
4,4'-DDT [2C]	0.5	2794842	1	2507300	2	2260461	5	2328064	10	2530836	25	2808878
2,4,5,6-TCMX (Surr)	0.5	4089642	1	3739252	2	3472697	5	3499046	10	3498695	25	3469148
2,4,5,6-TCMX (Surr) [2C]	0.5	4082272	1	3664569	2	3136486	5	3184258	10	3187282	25	3311380
Decachlorobiphenyl (Surr)	0.5	4026062	1	3476866	2	3037392	5	2959616	10	2895476	25	2801752
Decachlorobiphenyl (Surr) [2C]	0.5	3200308	1	2732738	2	2449024	5	2357554	10	2313262	25	2357526

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: A0F0804
Instrument: DUALECD8
Matrix:
Calibration Date: 06/08/20 11:32

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	2566900	1	2380316	2	1957396
2,4'-DDD [2C]							0.5	2371182	1	2357973	2	2009913
2,4'-DDE							0.5	2901294	1	2683204	2	2294640
2,4'-DDE [2C]							0.5	3188636	1	2644092	2	2182006
2,4'-DDT							0.5	2435182	1	2237919	2	1839690
2,4'-DDT [2C]							0.5	2482606	1	2243898	2	1842025
4,4'-DDD	50	3019128	100	3156475	200	3320779						
4,4'-DDD [2C]	50	3122724	100	3345143	200	3515599						
4,4'-DDE	50	3803446	100	3934936	200	4099802						
4,4'-DDE [2C]	50	3817752	100	4054416	200	4306354						
4,4'-DDT	50	2665592	100	2783095	200	2925580						
4,4'-DDT [2C]	50	2949806	100	3241420	200	3358139						
2,4,5,6-TCMX (Surr)	50	3581006	100	3722180	200	3753037						
2,4,5,6-TCMX (Surr) [2C]	50	3576598	100	3855692	200	3952190						
Decachlorobiphenyl (Surr)	50	2937072	100	2919637	200	2919577						
Decachlorobiphenyl (Surr) [2C]	50	2422998	100	2563313	200	2636253						

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:	A0F0804	Instrument:	DUALECD8
Matrix:		Calibration Date:	06/08/20 11:32

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	1876546	10	1873191	25	1993031	50	1950309	100	2040582	200	2142023
2,4'-DDD [2C]	5	1827707	10	1831917	25	2017629	50	1968646	100	2084093	200	2236023
2,4'-DDE	5	2128830	10	2208360	25	2331620	50	2255606	100	2313200	200	2423235
2,4'-DDE [2C]	5	2136300	10	2130357	25	2348987	50	2314482	100	2474069	200	2617926
2,4'-DDT	5	1755492	10	1803541	25	2012853	50	1983064	100	2085776	200	2155637
2,4'-DDT [2C]	5	1790352	10	1883359	25	2087940	50	2079264	100	2309369	200	2477470

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD8	Calibration:	A0F0804
Lab File ID:	ECD8-06062015.D		
Sequence:	0F06008	Inject Date:	06/06/20
Lab Sample ID:	0F06008-ICV1	Inject Time:	18:36

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	50.4	0.8	70 - 130
4,4'-DDD [2C]	50.0	51.6	3.2	70 - 130
4,4'-DDE	50.0	49.6	-0.8	70 - 130
4,4'-DDE [2C]	50.0	49.8	-0.3	70 - 130
4,4'-DDT	50.0	52.1	4.2	70 - 130
4,4'-DDT [2C]	50.0	51.3	2.5	70 - 130
2,4,5,6-TCMX (Surr)	50.0	48.7	-2.5	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	49.3	-1.4	70 - 130
Decachlorobiphenyl (Surr)	50.0	49.5	-1.0	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	48.9	-2.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD8	Calibration:	A0F0804
Lab File ID:	ECD8-06062026.D		
Sequence:	0F06008	Inject Date:	06/06/20
Lab Sample ID:	0F06008-ICV2	Inject Time:	21:38

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	52.6	5.2	70 - 130
2,4'-DDD [2C]	50.0	51.1	2.3	70 - 130
2,4'-DDE	50.0	49.8	-0.3	70 - 130
2,4'-DDE [2C]	50.0	53.5	7.0	70 - 130
2,4'-DDT	50.0	56.8	13.5	70 - 130
2,4'-DDT [2C]	50.0	57.6	15.3	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:	DUALECD8	Calibration:	A0F0804
Lab File ID:	ECD8-07092004.D	Calibration Date:	06/08/20 11:32
Sequence:	0G09046	Injection Date:	07/09/20
Lab Sample ID:	0G09046-CCV1	Injection Time:	12:26

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	47.0		2853244	2683854	-5.9	20
4,4'-DDD [2C]	XXX	50.0	45.3	-9.4				20
4,4'-DDE	Ave	50.0	49.9		3665109	3656488	-0.2	20
4,4'-DDE [2C]	XXX	50.0	48.0	-4.0				20
4,4'-DDT	XXX	50.0	46.4	-7.3				20
4,4'-DDT [2C]	XXX	50.0	43.4	-13.1				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD8	Calibration:	A0F0804
Lab File ID:	ECD8-07092005.D	Calibration Date:	06/08/20 11:32
Sequence:	0G09046	Injection Date:	07/09/20
Lab Sample ID:	0G09046-CCV2	Injection Time:	12:42

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	43.2	-13.7				20
2,4'-DDD [2C]	Ave	50.0	40.4		2078342	1678601	-19.2	20
2,4'-DDE	Ave	50.0	41.5		2393332	1987239	-17.0	20
2,4'-DDE [2C]	XXX	50.0	42.7	-14.6				20
2,4'-DDT	XXX	50.0	43.6	-12.8				20
2,4'-DDT [2C]	XXX	50.0	44.6	-10.9				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD8	Calibration:	A0F0804
Lab File ID:	ECD8-07092016.D	Calibration Date:	06/08/20 11:32
Sequence:	0G09046	Injection Date:	07/09/20
Lab Sample ID:	0G09046-CCV3	Injection Time:	15:52

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	102		2853244	2924169	2.5	20
4,4'-DDD [2C]	XXX	100	92.5	-7.5				20
4,4'-DDE	Ave	100	96.1		3665109	3522009	-3.9	20
4,4'-DDE [2C]	XXX	100	91.7	-8.3				20
4,4'-DDT	XXX	100	106	6.0				20
4,4'-DDT [2C]	XXX	100	94.7	-5.3				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:	DUALECD8	Calibration:	A0F0804
Lab File ID:	ECD8-07092017.D	Calibration Date:	06/08/20 11:32
Sequence:	0G09046	Injection Date:	07/09/20
Lab Sample ID:	0G09046-CCV4	Injection Time:	16:08

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	87.3	-12.7				20
2,4'-DDD [2C]	Ave	100	87.3		2078342	1814207	-12.7	20
2,4'-DDE	Ave	100	91.8		2393332	2196643	-8.2	20
2,4'-DDE [2C]	XXX	100	92.7	-7.3				20
2,4'-DDT	XXX	100	99.2	-0.8				20
2,4'-DDT [2C]	XXX	100	90.2	-9.8				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD8	Calibration:	A0F0804
Lab File ID:	ECD8-07092031.D	Calibration Date:	06/08/20 11:32
Sequence:	0G09046	Injection Date:	07/09/20
Lab Sample ID:	0G09046-CCV5	Injection Time:	20:23

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	43.9		2853244	2502734	-12.3	20
4,4'-DDD [2C]	XXX	50.0	45.2	-9.6				20
4,4'-DDE	Ave	50.0	43.3		3665109	3173248	-13.4	20
4,4'-DDE [2C]	XXX	50.0	43.8	-12.3				20
4,4'-DDT	XXX	50.0	52.9	5.8				20
4,4'-DDT [2C]	XXX	50.0	47.2	-5.7				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:	DUALECD8	Calibration:	A0F0804
Lab File ID:	ECD8-07092032.D	Calibration Date:	06/08/20 11:32
Sequence:	0G09046	Injection Date:	07/09/20
Lab Sample ID:	0G09046-CCV6	Injection Time:	20:39

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	44.1	-11.8				20
2,4'-DDD [2C]	Ave	50.0	41.7		2078342	1732064	-16.7	20
2,4'-DDE	Ave	50.0	41.7		2393332	1994214	-16.7	20
2,4'-DDE [2C]	XXX	50.0	44.6	-10.8				20
2,4'-DDT	XXX	50.0	52.4	4.9				20
2,4'-DDT [2C]	XXX	50.0	48.9	-2.2				20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0F06008	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0F0804

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0F06008-ICV1)				Lab File ID: ECD8-06062015.D		Analyzed: 06/06/20 18:36		
2,4,5,6-TCMX (Surr)	50.0	97	70 - 130	5.274	5.274556	-0.0006	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	99	70 - 130	5.847	5.847222	-0.0002	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	99	70 - 130	9.482	9.482445	-0.0004	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	98	70 - 130	10.396	10.39611	-0.0001	+/-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:	0G09046	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0F0804

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0G09046-CCV1)				Lab File ID: ECD8-07092004.D		Analyzed: 07/09/20 12:26		
2,4,5,6-TCMX (Surr)	50.0	100	80 - 120	5.116	5.274556	-0.1586	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	89	80 - 120	5.677	5.847222	-0.1702	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	95	80 - 120	9.321	9.482445	-0.1614	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	101	80 - 120	10.204	10.39611	-0.1921	+/-1.0	
Calibration Blank (0G09046-CCB1)				Lab File ID: ECD8-07092006.D		Analyzed: 07/09/20 12:59		
2,4,5,6-TCMX (Surr) [2C]	100	81	42 - 129	5.681	5.847222	-0.1662	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	89	55 - 130	10.201	10.39611	-0.1951	+/-1.0	
Blank (0070206-BLK1)				Lab File ID: ECD8-07092007.D		Analyzed: 07/09/20 13:15		
2,4,5,6-TCMX (Surr) [2C]	45.5	69	42 - 129	5.68	5.847222	-0.1672	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	103	55 - 130	10.199	10.39611	-0.1971	+/-1.0	
LCS (0070206-BS1)				Lab File ID: ECD8-07092008.D		Analyzed: 07/09/20 13:32		
2,4,5,6-TCMX (Surr) [2C]	50.0	70	42 - 129	5.68	5.847222	-0.1672	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	98	55 - 130	10.2	10.39611	-0.1961	+/-1.0	
PDI-063SC-A-07-08-200429 (A0F0667-02RE3)				Lab File ID: ECD8-07092014.D		Analyzed: 07/09/20 15:15		
2,4,5,6-TCMX (Surr) [2C]	70.8	49	42 - 129	5.679	5.847222	-0.1682	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	70.8	81	55 - 130	10.199	10.39611	-0.1971	+/-1.0	
Calibration Check (0G09046-CCV3)				Lab File ID: ECD8-07092016.D		Analyzed: 07/09/20 15:52		
2,4,5,6-TCMX (Surr)	100	107	80 - 120	5.115	5.274556	-0.1596	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	95	80 - 120	5.68	5.847222	-0.1672	+/-1.0	
Decachlorobiphenyl (Surr)	100	101	80 - 120	9.314	9.482445	-0.1684	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	102	80 - 120	10.198	10.39611	-0.1981	+/-1.0	
Calibration Blank (0G09046-CCB2)				Lab File ID: ECD8-07092018.D		Analyzed: 07/09/20 16:25		
2,4,5,6-TCMX (Surr) [2C]	100	87	42 - 129	5.679	5.847222	-0.1682	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	89	55 - 130	10.199	10.39611	-0.1971	+/-1.0	
PDI-063SC-A-06-07-200429 (A0F0667-01RE3)				Lab File ID: ECD8-07092025.D		Analyzed: 07/09/20 18:32		
2,4,5,6-TCMX (Surr) [2C]	77.0	80	42 - 129	5.677	5.847222	-0.1702	+/-1.0	
Decachlorobiphenyl (Surr)	77.0	118	55 - 130	9.311	9.482445	-0.1714	+/-1.0	
Calibration Check (0G09046-CCV5)				Lab File ID: ECD8-07092031.D		Analyzed: 07/09/20 20:23		
2,4,5,6-TCMX (Surr)	50.0	104	80 - 120	5.115	5.274556	-0.1596	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	90	80 - 120	5.676	5.847222	-0.1712	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	100	80 - 120	9.312	9.482445	-0.1704	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	107	80 - 120	10.194	10.39611	-0.2021	+/-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:	0G09046	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0F0804

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Blank (0G09046-CCB3)			Lab File ID: ECD8-07092033.D		Analyzed: 07/09/20 20:56			
2,4,5,6-TCMX (Surr) [2C]	100	92	42 - 129	5.675	5.847222	-0.1722	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	100	55 - 130	10.195	10.39611	-0.2011	+/-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-063SC-A-06-07-200429	04/29/20 09:31	04/29/20 15:15	07/07/20 12:49	69.14	14.00	07/09/20 18:32	2.24	40.00	*
PDI-063SC-A-07-08-200429	04/29/20 09:31	04/29/20 15:15	07/07/20 12:49	69.14	14.00	07/09/20 15:15	2.10	40.00	*

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GCMS

METHOD: EPA 8270D

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270D

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-063SC-A-06-07-200429	A0F0667-01	SE
PDI-063SC-A-07-08-200429	A0F0667-02	SE

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

Signature: 
Name: David G. Jack

Forms Created: 7/21/2020 4:07PM
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-063SC-A-06-07-200429

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	SE	Laboratory ID:	A0F0667-01RE1	File ID:	N06262012.D
Sampled:	04/29/20 09:31	Prepared:	06/26/20 07:12	Analyzed:	06/26/20 15:34
Solids:	64.72	Preparation:	EPA 3546	Initial/Final:	10.14 g / 5 mL
Batch:	0060858	Sequence:	0F26021	Calibration:	A0D0804
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	10000	669000	D
208-96-8	Acenaphthylene	10000	47600	D
120-12-7	Anthracene	10000	365000	D
56-55-3	Benz(a)anthracene	10000	274000	D
50-32-8	Benzo(a)pyrene	10000	440000	D
205-99-2	Benzo(b)fluoranthene	10000	342000	D
207-08-9	Benzo(k)fluoranthene	10000	110000	D
191-24-2	Benzo(g,h,i)perylene	10000	323000	D
218-01-9	Chrysene	10000	328000	D
53-70-3	Dibenz(a,h)anthracene	10000	26800	JD
206-44-0	Fluoranthene	10000	1100000	D
86-73-7	Fluorene	10000	293000	D
193-39-5	Indeno(1,2,3-cd)pyrene	10000	266000	D
91-57-6	2-Methylnaphthalene	10000	607000	D
91-20-3	Naphthalene	10000	2470000	D
85-01-8	Phenanthrene	10000	1670000	D
129-00-0	Pyrene	10000	1500000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	76.2	686	900	44 - 120	D
p-Terphenyl-d14 (Surr)	76.2	762	1000	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	209454	7.767	234949	7.761	
Acenaphthene-d10 (ISTD)	146828	9.521	147969	9.515	
Phenanthrene-d10 (ISTD)	253676	11.025	260384	11.025	
Chrysene-d12 (ISTD)	206493	14.697	211764	14.691	
Perylene-d12 (ISTD)	197572	18.159	192806	18.153	
Dibenz(a,h)anthracene-d14 (ISTD)	168627	20.543	167904	20.543	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-063SC-A-07-08-200429

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	SE	Laboratory ID:	A0F0667-02RE1	File ID:	N06262013.D
Sampled:	04/29/20 09:31	Prepared:	06/26/20 07:12	Analyzed:	06/26/20 16:06
Solids:	67.97	Preparation:	EPA 3546	Initial/Final:	10.79 g / 5 mL
Batch:	0060858	Sequence:	0F26021	Calibration:	A0D0804
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	18000	D
208-96-8	Acenaphthylene	1000	1700	U
120-12-7	Anthracene	1000	4220	D
56-55-3	Benz(a)anthracene	1000	3180	JD
50-32-8	Benzo(a)pyrene	1000	5700	D
205-99-2	Benzo(b)fluoranthene	1000	4120	D
207-08-9	Benzo(k)fluoranthene	1000	1700	U
191-24-2	Benzo(g,h,i)perylene	1000	4490	D
218-01-9	Chrysene	1000	3900	D
53-70-3	Dibenz(a,h)anthracene	1000	1700	U
206-44-0	Fluoranthene	1000	14800	D
86-73-7	Fluorene	1000	6190	D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	3890	D
91-57-6	2-Methylnaphthalene	1000	14200	D
91-20-3	Naphthalene	1000	12200	D
85-01-8	Phenanthrene	1000	26600	D
129-00-0	Pyrene	1000	19700	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	68.2	88.6	130	44 - 120	D
p-Terphenyl-d14 (Surr)	68.2	109	160	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	210153	7.767	234949	7.761	
Acenaphthene-d10 (ISTD)	142599	9.515	147969	9.515	
Phenanthrene-d10 (ISTD)	230626	11.025	260384	11.025	
Chrysene-d12 (ISTD)	193302	14.691	211764	14.691	
Perylene-d12 (ISTD)	190360	18.159	192806	18.153	
Dibenz(a,h)anthracene-d14 (ISTD)	172692	20.543	167904	20.543	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0060858 Batch Matrix: Sediment Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0060858-BLK1	N06262004.D	06/26/20 07:12	
LCS	0060858-BS1	N06262005.D	06/26/20 07:12	
PDI-063SC-A-06-07-200429	A0F0667-01RE1	N06262012.D	06/26/20 07:12	
PDI-063SC-A-07-08-200429	A0F0667-02RE1	N06262013.D	06/26/20 07:12	

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

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:	0060858-BLK1	File ID:	N06262004.D
Prepared:	06/26/20 07:12	Preparation:	EPA 3546	Initial/Final:	11 g / 5 mL
Analyzed:	06/26/20 11:13	Instrument:	SV-GCMS14		
Batch:	0060858	Sequence:	0F26021	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	1.34	J
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	42.4	93	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	53.6	118	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	206502	7.761	234949	7.761	
Acenaphthene-d10 (ISTD)	131494	9.515	147969	9.515	
Phenanthrene-d10 (ISTD)	234879	11.025	260384	11.025	
Chrysene-d12 (ISTD)	189542	14.691	211764	14.691	
Perylene-d12 (ISTD)	174333	18.159	192806	18.153	
Dibenz(a,h)anthracene-d14 (ISTD)	152934	20.543	167904	20.543	

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:	0060858	Laboratory ID:	0060858-BS1
Preparation:	EPA 3546	Initial/Final:	10 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	20.0	21.0	105	40 - 123
Acenaphthylene	20.0	20.6	103	32 - 132
Anthracene	20.0	21.9	110	47 - 123
Benz(a)anthracene	20.0	21.0	105	49 - 126
Benzo(a)pyrene	20.0	22.8	114	45 - 129
Benzo(b)fluoranthene	20.0	21.5	108	45 - 132
Benzo(k)fluoranthene	20.0	21.7	109	47 - 132
Benzo(g,h,i)perylene	20.0	20.6	103	43 - 134
Chrysene	20.0	21.2	106	50 - 124
Dibenz(a,h)anthracene	20.0	21.4	107	45 - 134
Fluoranthene	20.0	21.8	109	50 - 127
Fluorene	20.0	21.4	107	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	21.2	106	45 - 133
2-Methylnaphthalene	20.0	22.3	111	38 - 122
Naphthalene	20.0	21.0	105	35 - 123
Phenanthrene	20.0	21.0	105	50 - 121
Pyrene	20.0	22.0	110	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:	0F26021	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0F26021-TUN1	N06262001.D	06/26/20 08:18
Calibration Check	0F26021-CCV1	N06262002.D	06/26/20 08:46
Calibration Blank	0F26021-CCB1	N06262003.D	06/26/20 09:18
Blank	0060858-BLK1	N06262004.D	06/26/20 11:13
LCS	0060858-BS1	N06262005.D	06/26/20 11:45
PDI-063SC-A-06-07-200429	A0F0667-01RE1	N06262012.D	06/26/20 15:34
PDI-063SC-A-07-08-200429	A0F0667-02RE1	N06262013.D	06/26/20 16:06

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

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:	N06262001.D	Injection Date:	06/26/20
Instrument ID:	SV-GCMS14	Injection Time:	08:18
Sequence:	0F26021	Lab Sample ID:	0F26021-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.94	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.48	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.79	PASS
m/z 365	1 - 100% of m/z 198	4.34	PASS
m/z 441	Less than 150% of m/z 443	77.35	PASS
m/z 442	0.1 - 200% of m/z 198	148.63	PASS
m/z 443	15 - 24% of m/z 442	19.69	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

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

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

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

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

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270D

Laboratory:	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:	N06262002.D	Calibration Date:	04/08/20 10:34
Sequence:	0F26021	Injection Date:	06/26/20
Lab Sample ID:	0F26021-CCV1	Injection Time:	08:46

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	48.6		1.367868	1.330211	-2.8	20
Acenaphthylene	Ave	50.0	52.0		1.864683	1.939704	4.0	20
Anthracene	Ave	50.0	52.2		0.9426797	0.9835551	4.3	20
Benz(a)anthracene	Ave	50.0	49.0		1.037035	1.016159	-2.0	20
Benzo(a)pyrene	XXX	50.0	56.1	12.1				20
Benzo(b)fluoranthene	Ave	50.0	52.1		1.033776	1.077238	4.2	20
Benzo(k)fluoranthene	Ave	50.0	52.2		1.030571	1.075174	4.3	20
Benzo(g,h,i)perylene	Ave	50.0	48.5		1.165254	1.129622	-3.1	20
Chrysene	Ave	50.0	48.3		1.066565	1.031252	-3.3	20
Dibenz(a,h)anthracene	Ave	50.0	51.5		1.095365	1.128752	3.0	20
Fluoranthene	Ave	50.0	51.4		1.134427	1.166001	2.8	20
Fluorene	Ave	50.0	50.7		1.315227	1.33332	1.4	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	50.3		1.086276	1.091874	0.5	20
2-Methylnaphthalene	Ave	50.0	51.1		0.7313287	0.7471664	2.2	20
Naphthalene	Ave	50.0	48.0		1.08918	1.045257	-4.0	20
Phenanthrene	Ave	50.0	48.2		1.151046	1.109423	-3.6	20
Pyrene	Ave	50.0	57.7		1.297049	1.497403	15.4	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:	0F26021	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 (0F26021-CCV1)			Lab File ID: N06262002.D		Analyzed: 06/26/20 08:46			
2-Fluorobiphenyl (Surr)	50.0	96	80 - 120	8.828	8.973	-0.1450	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	106	80 - 120	12.768	12.9576	-0.1896	+/-1.0	
Calibration Blank (0F26021-CCB1)			Lab File ID: N06262003.D		Analyzed: 06/26/20 09:18			
2-Fluorobiphenyl (Surr)			44 - 120	8.827	8.973	-0.1460	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.767	12.9576	-0.1906	+/-1.0	
Blank (0060858-BLK1)			Lab File ID: N06262004.D		Analyzed: 06/26/20 11:13			
2-Fluorobiphenyl (Surr)	45.5	93	44 - 120	8.827	8.973	-0.1460	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	118	54 - 127	12.773	12.9576	-0.1846	+/-1.0	
LCS (0060858-BS1)			Lab File ID: N06262005.D		Analyzed: 06/26/20 11:45			
2-Fluorobiphenyl (Surr)	50.0	91	44 - 120	8.827	8.973	-0.1460	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	105	54 - 127	12.768	12.9576	-0.1896	+/-1.0	
PDI-063SC-A-06-07-200429 (A0F0667-01RE1)			Lab File ID: N06262012.D		Analyzed: 06/26/20 15:34			
2-Fluorobiphenyl (Surr)	76.2	900	44 - 120	8.827	8.973	-0.1460	+/-1.0	*
p-Terphenyl-d14 (Surr)	76.2	1000	54 - 127	12.773	12.9576	-0.1846	+/-1.0	*
PDI-063SC-A-07-08-200429 (A0F0667-02RE1)			Lab File ID: N06262013.D		Analyzed: 06/26/20 16:06			
2-Fluorobiphenyl (Surr)	68.2	130	44 - 120	8.833	8.973	-0.1400	+/-1.0	*
p-Terphenyl-d14 (Surr)	68.2	160	54 - 127	12.773	12.9576	-0.1846	+/-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:	0F26021	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 (0F26021-CCV1)			Lab File ID: N06262002.D			Analyzed: 06/26/20 08:46			
Naphthalene-d8 (ISTD)	234949	7.761	265079	7.906	89	50 - 200	-0.1450	+/-0.50	
Acenaphthene-d10 (ISTD)	147969	9.515	146492	9.661	101	50 - 200	-0.1460	+/-0.50	
Phenanthrene-d10 (ISTD)	260384	11.025	242013	11.165	108	50 - 200	-0.1400	+/-0.50	
Chrysene-d12 (ISTD)	211764	14.691	238949	14.947	89	50 - 200	-0.2560	+/-0.50	
Perylene-d12 (ISTD)	192806	18.153	233103	18.41	83	50 - 200	-0.2570	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	167904	20.543	190743	20.794	88	50 - 200	-0.2510	+/-0.50	
Calibration Blank (0F26021-CCB1)			Lab File ID: N06262003.D			Analyzed: 06/26/20 09:18			
Naphthalene-d8 (ISTD)	230562	7.761	234949	7.761	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	143986	9.515	147969	9.515	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	221845	11.025	260384	11.025	85	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	190370	14.691	211764	14.691	90	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	184980	18.153	192806	18.153	96	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	170769	20.537	167904	20.543	102	50 - 200	-0.0060	+/-0.50	
Blank (0060858-BLK1)			Lab File ID: N06262004.D			Analyzed: 06/26/20 11:13			
Naphthalene-d8 (ISTD)	206502	7.761	234949	7.761	88	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	131494	9.515	147969	9.515	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	234879	11.025	260384	11.025	90	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	189542	14.691	211764	14.691	90	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	174333	18.159	192806	18.153	90	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	152934	20.543	167904	20.543	91	50 - 200	0.0000	+/-0.50	
LCS (0060858-BS1)			Lab File ID: N06262005.D			Analyzed: 06/26/20 11:45			
Naphthalene-d8 (ISTD)	230954	7.761	234949	7.761	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	141458	9.515	147969	9.515	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	247025	11.025	260384	11.025	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	218461	14.691	211764	14.691	103	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	204808	18.153	192806	18.153	106	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	172945	20.543	167904	20.543	103	50 - 200	0.0000	+/-0.50	
Duplicate (0060858-DUP1)			Lab File ID: N06262007.D			Analyzed: 06/26/20 12:50			
Naphthalene-d8 (ISTD)	227734	7.761	234949	7.761	97	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	147159	9.515	147969	9.515	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	254666	11.025	260384	11.025	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	201637	14.691	211764	14.691	95	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	189478	18.153	192806	18.153	98	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	160013	20.537	167904	20.543	95	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:	0F26021	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
PDI-063SC-A-06-07-200429 (A0F0667-01RE1)			Lab File ID: N06262012.D			Analyzed: 06/26/20 15:34			
Naphthalene-d8 (ISTD)	209454	7.767	234949	7.761	89	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	146828	9.521	147969	9.515	99	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	253676	11.025	260384	11.025	97	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	206493	14.697	211764	14.691	98	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	197572	18.159	192806	18.153	102	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	168627	20.543	167904	20.543	100	50 - 200	0.0000	+/-0.50	
PDI-063SC-A-07-08-200429 (A0F0667-02RE1)			Lab File ID: N06262013.D			Analyzed: 06/26/20 16:06			
Naphthalene-d8 (ISTD)	210153	7.767	234949	7.761	89	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	142599	9.515	147969	9.515	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	230626	11.025	260384	11.025	89	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	193302	14.691	211764	14.691	91	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	190360	18.159	192806	18.153	99	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	172692	20.543	167904	20.543	103	50 - 200	0.0000	+/-0.50	
Matrix Spike (0060858-MS1)			Lab File ID: N06262018.D			Analyzed: 06/26/20 18:52			
Naphthalene-d8 (ISTD)	237617	7.766	234949	7.761	101	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	146481	9.521	147969	9.515	99	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	243246	11.025	260384	11.025	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	252502	14.697	211764	14.691	119	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	254501	18.159	192806	18.153	132	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	227238	20.549	167904	20.543	135	50 - 200	0.0060	+/-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-063SC-A-06-07-200429	04/29/20 09:31	04/29/20 15:15	06/26/20 07:12	57.90	14.00	06/26/20 15:34	0.35	40.00	*
PDI-063SC-A-07-08-200429	04/29/20 09:31	04/29/20 15:15	06/26/20 07:12	57.90	14.00	06/26/20 16:06	0.37	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-063SC-A-06-07-200429	A0F0667-01	SE
PDI-063SC-A-07-08-200429	A0F0667-02	SE

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

Signature: 

Name: David G. Jack

Forms Created: 7/21/2020 4:07PM

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-063SC-A-06-07-200429

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Matrix: SE
Laboratory ID: A0F0667-01RE1
File ID: 0G07047.txt-005
Sampled: 04/29/20 09:31
Prepared: 06/29/20 15:35
Analyzed: 07/07/20 12:07
Solids: 64.72
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 0060932
Sequence: 0G07047
Calibration: A0F1203
Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	14	1	E	SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-063SC-A-07-08-200429

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Matrix: SE
Laboratory ID: A0F0667-02
File ID: 0G02035.txt-014
Sampled: 04/29/20 09:31
Prepared: 06/29/20 15:35
Analyzed: 07/02/20 19:12
Solids: 67.97
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 0060932
Sequence: 0G02035
Calibration: A0F1203
Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.2	1		SM 5310 B MOD

PREPARATION BATCH SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Batch: 0060932 Batch Matrix: Soil
Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0060932-BLK1	0G02035.txt-005	06/29/20 15:35	
LCS	0060932-BS1	0G02035.txt-006	06/29/20 15:35	
PDI-063SC-A-06-07-200429	A0F0667-01RE1	0G07047.txt-005	06/29/20 15:35	
PDI-063SC-A-07-08-200429	A0F0667-02	0G02035.txt-014	06/29/20 15:35	

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

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:	0060932-BLK1	File ID:	0G02035.txt-005
Prepared:	06/29/20 15:35	Preparation:	PSEP-5310B TOC	Initial/Final:	0.2 N/A / 0.2 N/A
Analyzed:	07/02/20 17:35	Instrument:	TOC6		
Batch:	0060932	Sequence:	0G02035	Calibration:	A0F1203

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:	0060932	Laboratory ID:	0060932-BS1
Preparation:	PSEP-5310B TOC	Initial/Final:	0.2 N/A / 0.2 N/A

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC. (*=Out)	QC LIMITS REC.
Total Organic Carbon	10000	10000	103	90 - 110

* = 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:	0F12047	Instrument:	TOC6
Matrix:	Sediment	Calibration:	A0F1203

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0F12047-CAL2	0F12047.txt-005	06/12/20 19:40
Cal Standard	0F12047-CAL3	0F12047.txt-006	06/12/20 19:50
Cal Standard	0F12047-CAL4	0F12047.txt-007	06/12/20 20:01
Cal Standard	0F12047-CAL5	0F12047.txt-008	06/12/20 20:12
Cal Standard	0F12047-CAL6	0F12047.txt-009	06/12/20 20:23
Cal Standard	0F12047-CAL7	0F12047.txt-010	06/12/20 20:33
Cal Standard	0F12047-CAL8	0F12047.txt-011	06/12/20 20:44
Initial Cal Check	0F12047-ICV1	0F12047.txt-014	06/12/20 21:17
Initial Cal Blank	0F12047-ICB1	0F12047.txt-015	06/12/20 21:28

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
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:	0G02035	Instrument:	TOC6
Matrix:	Soil	Calibration:	A0F1203

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0G02035-CCV1	0G02035.txt-003	07/02/20 17:13
Calibration Blank	0G02035-CCB1	0G02035.txt-004	07/02/20 17:24
Blank	0060932-BLK1	0G02035.txt-005	07/02/20 17:35
LCS	0060932-BS1	0G02035.txt-006	07/02/20 17:46
PDI-063SC-A-07-08-200429	A0F0667-02	0G02035.txt-014	07/02/20 19:12
Calibration Check	0G02035-CCV2	0G02035.txt-015	07/02/20 19:23
Calibration Blank	0G02035-CCB2	0G02035.txt-016	07/02/20 19:34
Calibration Check	0G02035-CCV3	0G02035.txt-027	07/02/20 21:33
Calibration Blank	0G02035-CCB3	0G02035.txt-028	07/02/20 21:43
Calibration Check	0G02035-CCV4	0G02035.txt-036	07/02/20 23:10
Calibration Blank	0G02035-CCB4	0G02035.txt-037	07/02/20 23:21

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

ANALYSIS BATCH (SEQUENCE) SUMMARY
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:	0G07047	Instrument:	TOC6
Matrix:	Soil	Calibration:	A0F1203

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0G07047-CCV1	0G07047.txt-003	07/07/20 11:46
Calibration Blank	0G07047-CCB1	0G07047.txt-004	07/07/20 11:57
PDI-063SC-A-06-07-200429	A0F0667-01RE1	0G07047.txt-005	07/07/20 12:07
Calibration Check	0G07047-CCV2	0G07047.txt-010	07/07/20 13:01
Calibration Blank	0G07047-CCB2	0G07047.txt-011	07/07/20 13:12

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

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: A0F1203
Date: 06/12/20 18:48
Instrument: TOC6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Organic Carbon	130.7169	Lin	2.510081			0.99996			

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:	A0F1203	Instrument:	TOC6
		Calibration Date:	06/12/20 18:48

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	136.9811	500	129.2063	1000	131.8015	2500	129.2424	5000	126.3778	12500	130.0366

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:	A0F1203	Instrument:	TOC6
Matrix:		Calibration Date:	06/12/20 18:48

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	131.3728										

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: A0F1203
Control Limt: +/- 10.00%
Sequence: 0F12047

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0F12047-ICV1	Total Organic Carbon	10000	9600	96	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: A0F1203
Control Limt: +/- 10.00%
Sequence: 0G02035

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0G02035-CCV1	Total Organic Carbon	10000	11000	107	mg/kg	SM 5310 B MOD
0G02035-CCV2	Total Organic Carbon	10000	9800	98	mg/kg	SM 5310 B MOD
0G02035-CCV3	Total Organic Carbon	10000	10000	100	mg/kg	SM 5310 B MOD
0G02035-CCV4	Total Organic Carbon	10000	10000	102	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: A0F1203
Control Limt: +/- 10.00%
Sequence: 0G07047

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0G07047-CCV1	Total Organic Carbon	10000	11000	110	mg/kg	SM 5310 B MOD
0G07047-CCV2	Total Organic Carbon	10000	10000	101	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: 0F12047
Calibration: A0F1203

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0F12047-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: 0G02035
Calibration: A0F1203

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0G02035-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0G02035-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0G02035-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0G02035-CCB4	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Instrument ID: TOC6
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Sequence: 0G07047
Calibration: A0F1203

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0G07047-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0G07047-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

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-063SC-A-06-07-200429	04/29/20 09:31	04/29/20 15:15	06/29/20 15:35	61.25	28.00	07/07/20 12:07	69.11	28.00	*
PDI-063SC-A-07-08-200429	04/29/20 09:31	04/29/20 15:15	06/29/20 15:35	61.25	28.00	07/02/20 19:12	64.40	28.00	*

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

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

Client Sample Id:	Lab Sample Id:	Matrix
PDI-063SC-A-06-07-200429	A0F0667-01	SE
PDI-063SC-A-07-08-200429	A0F0667-02	SE

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

Signature: 
Name: David G. Jack

Forms Created: 7/21/2020 4:07PM
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-063SC-A-06-07-200429

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Matrix: SE
Laboratory ID: A0F0667-01
Sampled: 04/29/20 09:31
Prepared: 06/25/20 15:21
Analyzed: 06/29/20 12:50
Solids: 64.72
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0060850
Calibration:
Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	64.7	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-063SC-A-07-08-200429

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Matrix: SE
Laboratory ID: A0F0667-02
Sampled: 04/29/20 09:31
Prepared: 06/25/20 15:21
Analyzed: 06/29/20 12:50
Solids: 67.97
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0060850
Calibration:
Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	68.0	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0060850 Batch Matrix: Sediment Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-063SC-A-06-07-200429	A0F0667-01		06/25/20 15:21	
PDI-063SC-A-07-08-200429	A0F0667-02		06/25/20 15:21	

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

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-063SC-A-06-07-200429	04/29/20 09:31	04/29/20 15:15	06/25/20 15:21	57.24	180.00	06/29/20 12:50	3.90		
PDI-063SC-A-07-08-200429	04/29/20 09:31	04/29/20 15:15	06/25/20 15:21	57.24	180.00	06/29/20 12:50	3.90		

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 0060834
Sequence 0F29028 (A0F0667-02)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060834 (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
	0060834-BLK1		QC	06/25/20 11:09	31	2				100					
	0060834-BS1		QC	06/25/20 11:09	30	2	A20F380		100	100					
	A0F0647-01	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.2	2				100	PDI-149SC-A-01-02-200425	+1262,1268			
	A0F0647-02	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.14	2				100	PDI-149SC-A-02-03-200425	+1262,1268			
	A0F0647-03	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.36	2				100	PDI-150SC-A-08-09-200425	+1262,1268			
	0060834-DUP1		QC	06/25/20 11:09	30.44	2		A0F0647-03		100					
	A0F0647-04	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.14	2				100	PDI-150SC-A-09-10-200425	+1262,1268			
	0060834-MS1		QC	06/25/20 11:09	30.17	2	A20F380	A0F0647-04	100	100					
	A0F0667-01	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.21	2				100	PDI-063SC-A-06-07-200429	+1262,1268			
	A0F0667-02	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.07	2				100	PDI-063SC-A-07-08-200429	+1262,1268			
	A0F0670-01	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.53	2				100	PDI-166SC-A-08-09-200520	+1262,1268			
	A0F0670-01RE1	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.53	2				100	PDI-166SC-A-08-09-200520	Added 6/30/2020 By KAK			
	A0F0670-02	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.16	2				100	PDI-166SC-A-09-10-200520	+1262,1268			
	A0F0670-02RE1	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.16	2				100	PDI-166SC-A-09-10-200520	Added 6/30/2020 By KAK			
	A0F0670-03	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.58	2				100	PDI-166SC-A-10-11.2-200520	+1262,1268			
	A0F0670-03RE1	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30.58	2				100	PDI-166SC-A-10-11.2-200520	Added 6/30/2020 By KAK			

Standards/Reagents

Prepared By: Date

Reviewed By: 7/7/20 Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060834 (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

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F071	03/02/25	Copper, Granular Lot# 027040-BL

Analyte Spike(s)

Std ID	Exp. Date	Description
A20F380	11/06/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20F086	10/14/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060834 (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	0060834-BLK1		QC	06/25/20 11:09	~~30~~ 31.00	2 ✓				100					
3/4	0060834-BS1		QC	06/25/20 11:09	30	2 ✓	A20F380		100	100					
5/6	A0F0647-01	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	~~30~~ 30.20	2 ✓				100	PDI-149SC-A-01-02-200425	+1262,1268 dirt S,P,E			
7/8	A0F0647-02	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	~~30~~ 30.14	2 ✓				100	PDI-149SC-A-02-03-200425	+1262,1268 dirt S,P,E			
9/10	A0F0647-03	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	~~30~~ 30.36	2 ✓				100	PDI-150SC-A-08-09-200425	+1262,1268 dirt			
11/12	0060834-DUP1		QC	06/25/20 11:09	~~30~~ 30.44	2 ✓		A0F0647-03		100					
13/14	A0F0647-04	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	~~30~~ 30.14	2 ✓				100	PDI-150SC-A-09-10-200425	+1262,1268 dirt			
15/16	0060834-MS1		QC	06/25/20 11:09	~~30~~ 30.17	2 ✓	A20F380	A0F0647-04	100	100					
17/18	A0F0667-01	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	~~30~~ 30.21	2 ✓				100	PDI-063SC-A-06-07-200429	+1262,1268 Mud odor S,P			
19/20	A0F0667-02	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	30 30.07	2 ✓				100	PDI-063SC-A-07-08-200429	+1262,1268 Mud odor			
21/22	A0F0670-01	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	~~30~~ 30.53	2 ✓				100	PDI-166SC-A-08-09-200520	+1262,1268 Mod org S,P,E			
23/24	A0F0670-02	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	~~30~~ 30.16	2 ✓				100	PDI-166SC-A-09-10-200520	+1262,1268 Mud org E,S,P			
25/26	A0F0670-03	A	8082 PCBs - Low Level (30g/2mL)	06/25/20 11:09	~~30~~ 30.58	2 ✓				100	PDI-166SC-A-10-11.2-200520	+1262,1268 Mud org E,S,P			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F071	03/02/25	Copper, Granular Lot# 027040-BL

Analyte Spike(s)

Std ID	Exp. Date	Description
A20F380	11/06/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20F086	10/14/20	8082 PCB Surrogate Spike

CwM

CwM

CwM 6/25/20
Prepared By: Date

CAS 06/25/2020

SCG 06/25/2020
Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060834 (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

Method 3546 digestion time and temperture achieved.
Initial: CWK

Witness: AJJ 6-25-20

(S) = Staining on turbovap tube both before and after hexane exchange (very heavy)

S = staining on turbovap tube after hexane exchange

P = precipitate formation after hexane exchange

E = Emulsion formed after acid cleanup

Prepared By: Date

Reviewed By: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0F29028	Instrument:	DUALECD2F
Date:	**06/29/20 06:21**	Calibration:	**A0F2307**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F29028-CCV1	Sediment	QC	QC				A20F129
2	0F29028-CCB1	Sediment	QC	QC				A20F379
3	0060834-BLK1	Sediment	QC	QC		0060834		
4	0060834-BS1	Sediment	QC	QC		0060834		
5	A0F0647-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
6	0F29028-IBL1	Sediment	QC	QC				
7	A0F0647-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
8	0F29028-IBL2	Sediment	QC	QC				
9	A0F0647-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
10	0F29028-IBL3	Sediment	QC	QC				
11	0060834-DUP1	Sediment	QC	QC		0060834		
12	0F29028-IBL4	Sediment	QC	QC				
13	A0F0626-05RE2	Sediment	8082 PCBs - Low Level (2mL FV) +12	GSI Water Solutions	06/26/20	0060857		
14	0F29028-IBL5	Sediment	QC	QC				
15	0F29028-CCV2	Sediment	QC	QC				A20F129
16	0F29028-CCB2	Sediment	QC	QC				A20F379

Comments: Partial

Data Entered By/Date: KAK 6/29/2020

Data Reviewed By/Date: MKZ 6/30/2020

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.

0F29028-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	468.37
1016 (1)	468.37
1016 (2)	474.38
1016 (2)	474.38
1016 (3)	473.96
1016 (3)	473.96
1016 (4)	486.02
1016 (4)	486.02
1016 (5)	471.77
1016 (5)	471.77
1016 (6)	477.95
1016 (6)	477.95
Average:	**475.41**

Aroclor 1260

Peak	Initial Res
1260 (1)	486.26
1260 (1)	486.26
1260 (2)	489.18
1260 (2)	489.18
1260 (3)	470.52
1260 (3)	470.52
1260 (4)	526.83
1260 (4)	526.83
1260 (5)	512.17
1260 (5)	512.17
1260 (6)	477.06
1260 (6)	477.06
Average:	**493.67**

0060834-BS1

Aroclor 1016

Peak	Initial Res
1016 (1)	825.88
1016 (2)	898.27
1016 (3)	852.91
1016 (4)	898.56
1016 (5)	875.00
1016 (6)	860.29
Average:	**868.49**

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.

0060834-BS1

Aroclor 1260

Peak	Initial Res
1260 (1)	1,029.78
1260 (2)	1,076.93
1260 (3)	993.88
1260 (4)	1,191.84
1260 (5)	1,170.46
1260 (6)	1,074.71
Average:	**1,089.60**

0F29028-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	439.00
1016 (1)	439.00
1016 (2)	464.93
1016 (2)	464.93
1016 (3)	483.33
1016 (3)	483.33
1016 (4)	470.35
1016 (4)	470.35
1016 (5)	450.03
1016 (5)	450.03
1016 (6)	466.20
1016 (6)	466.20
Average:	**462.31**

Aroclor 1260

Peak	Initial Res
1260 (1)	451.81
1260 (1)	451.81
1260 (2)	483.73
1260 (2)	483.73
1260 (3)	467.03
1260 (3)	467.03
1260 (4)	484.45
1260 (4)	484.45
1260 (5)	462.23
1260 (5)	462.23
1260 (6)	469.81
1260 (6)	469.81
Average:	**469.84**

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F29028-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
Quant Time: Jun 29 15:08:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.882	39933563	281.160	ng/ml	
64) S	DCBP (S)	9.679	36338606	290.989	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.799	2243712	468.368	ng/ml	
3)	Aroclor 1016 (2)	6.213	4786881	474.378	ng/ml	
4)	Aroclor 1016 (3)	6.294	2552631	473.965	ng/ml	✓
5)	Aroclor 1016 (4)	6.452	1941677	486.025	ng/ml	
6)	Aroclor 1016 (5)	6.675	2424966	471.769	ng/ml	
7)	Aroclor 1016 (6)	6.802	1807469	477.954	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.237	920594	529.595	ng/ml	
10)	Aroclor 1221 (2)	5.357	294560	264.800	ng/ml	
11)	Aroclor 1221 (3)	5.439	1400880	386.949	ng/ml	
12)	Aroclor 1221 (4)	5.908	240710	410.968	ng/ml	
13)	Aroclor 1221 (5)	6.213	4786881	6834.199	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.439	1400880	462.040	ng/ml	
16)	Aroclor 1232 (2)	6.213	4786881	1217.435	ng/ml	
17)	Aroclor 1232 (3)	6.294	2552631	1169.932	ng/ml	
18)	Aroclor 1232 (4)	6.452	1941677	1505.648	ng/ml	
19)	Aroclor 1232 (5)	6.675	2424966	1326.274	ng/ml	
20)	Aroclor 1232 (6)	6.802	1807469	1175.217	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.799	2243712	640.471	ng/ml	
23)	Aroclor 1242 (2)	6.213	4786881	638.023	ng/ml	
24)	Aroclor 1242 (3)	6.294	2552631	642.196	ng/ml	
25)	Aroclor 1242 (4)	6.452	1941677	742.368	ng/ml	
26)	Aroclor 1242 (5)	6.675	2424966	647.143	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F29028-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:08:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.802	1807469	551.533	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.213	4786881	1035.220	ng/ml
30)	Aroclor 1248 (2)	6.452	1941677	387.171	ng/ml
31)	Aroclor 1248 (3)	6.675	2424966	396.853	ng/ml
32)	Aroclor 1248 (4)	6.969	471361	64.333	ng/ml
33)	Aroclor 1248 (5)	7.004	1674728	212.613	ng/ml
34)	Aroclor 1248 (6)	7.493	3269070	831.184	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.004	1674728	237.277	ng/ml
37)	Aroclor 1254 (2)	7.114	1673864	196.087	ng/ml
38)	Aroclor 1254 (3)	7.493	3269070	241.222	ng/ml
39)	Aroclor 1254 (4)	7.651	530043	57.251	ng/ml
40)	Aroclor 1254 (5)	8.033	4854608	525.793	ng/ml
41)	Aroclor 1254 (6)	8.327	554252	184.519	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.606	4668533	486.262	ng/ml
44)	Aroclor 1260 (2)	7.738	5795785	489.179	ng/ml
45)	Aroclor 1260 (3)	8.297	4364998	470.516	ng/ml
46)	Aroclor 1260 (4)	8.466	11520220	526.830	ng/ml
47)	Aroclor 1260 (5)	8.767	7354339	512.170	ng/ml
48)	Aroclor 1260 (6)	9.164	2835266	477.060	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.738	5795785	638.874	ng/ml
51)	Aroclor 1262 (2)	8.063	4293534	337.090	ng/ml
52)	Aroclor 1262 (3)	8.297	4364998	392.205	ng/ml
53)	Aroclor 1262 (4)	8.466	11520220	482.142	ng/ml
54)	Aroclor 1262 (5)	8.767	7354339	507.799	ng/ml
55)	Aroclor 1262 (6)	9.164	2835266	371.300	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.297	4364998	765.038	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F29028-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:08:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.715	2433273	87.701	ng/ml
59)	Aroclor 1268 (3)	8.767	7354339	312.307	ng/ml
60)	Aroclor 1268 (4)	8.945	242208	11.243	ng/ml
61)	Aroclor 1268 (5)	9.164	2835266	335.909	ng/ml
62)	Aroclor 1268 (6)	9.433	830379	12.883	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

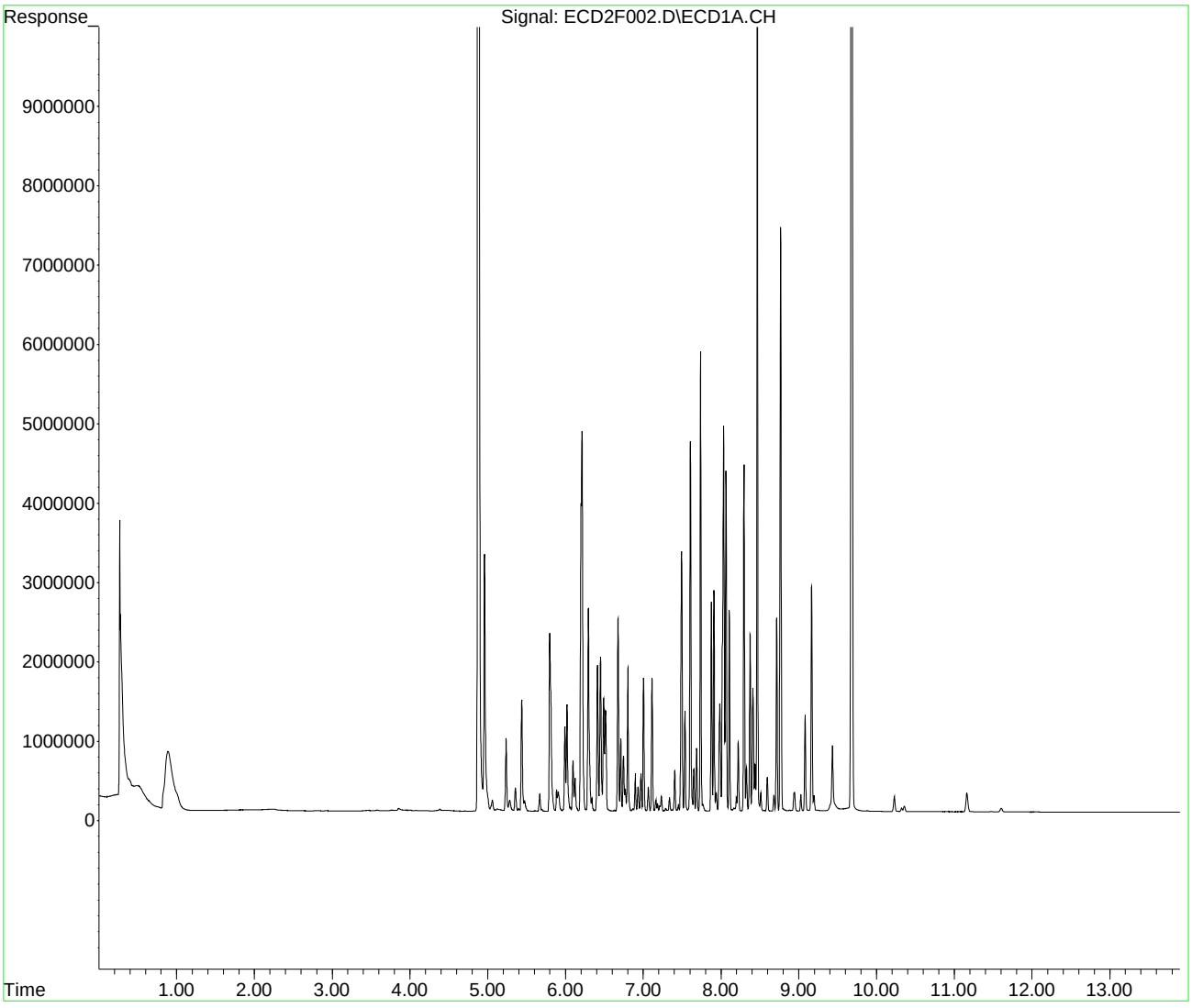
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F29028-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:08:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F29028\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:39
Operator : MJB / KAK
Sample : 0F29028-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 6/29/2020

Clean

Integration File: PCB1.e
Quant Time: Jun 29 15:08:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.880	14054742	98.955	ng/ml
64) S	DCBP (S)	9.679	13134748	105.179	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.799	798	0.167	ng/ml
3)	Aroclor 1016 (2)	6.195	801	0.079	ng/ml
4)	Aroclor 1016 (3)	6.292	668	0.124	ng/ml
5)	Aroclor 1016 (4)	6.454	862	0.216	ng/ml
6)	Aroclor 1016 (5)	6.662	322	0.063	ng/ml
7)	Aroclor 1016 (6)	6.807	995	0.263	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.234	276687	159.171	ng/ml
10)	Aroclor 1221 (2)	5.386	1657	1.490	ng/ml
11)	Aroclor 1221 (3)	5.431	5353	1.479	ng/ml
12)	Aroclor 1221 (4)	5.897	1696	2.895	ng/ml
13)	Aroclor 1221 (5)	6.195	801	1.144	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.431	5353	1.765	ng/ml
16)	Aroclor 1232 (2)	6.195	801	0.204	ng/ml
17)	Aroclor 1232 (3)	6.292	668	0.306	ng/ml
18)	Aroclor 1232 (4)	6.454	862	0.669	ng/ml
19)	Aroclor 1232 (5)	6.662	322	0.176	ng/ml
20)	Aroclor 1232 (6)	6.807	995	0.647	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.799	798	0.228	ng/ml
23)	Aroclor 1242 (2)	6.195	801	0.107	ng/ml
24)	Aroclor 1242 (3)	6.292	668	0.168	ng/ml
25)	Aroclor 1242 (4)	6.454	862	0.330	ng/ml
26)	Aroclor 1242 (5)	6.662	322	0.086	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:39
Operator : MJB / KAK
Sample : 0F29028-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:08:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.807	995	0.304 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.195	801	0.173 ng/ml
30)	Aroclor 1248 (2)	6.454	862	0.172 ng/ml
31)	Aroclor 1248 (3)	6.662	322	0.053 ng/ml
32)	Aroclor 1248 (4)	6.987	1872	0.256 ng/ml
33)	Aroclor 1248 (5)	7.014	2989	0.379 ng/ml
34)	Aroclor 1248 (6)	7.474	4336	1.102 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.014	2989	0.424 ng/ml
37)	Aroclor 1254 (2)	7.114	4866	0.570 ng/ml
38)	Aroclor 1254 (3)	7.495	5025	0.371 ng/ml
39)	Aroclor 1254 (4)	7.653	4478	0.484 ng/ml
40)	Aroclor 1254 (5)	8.044	8980	0.973 ng/ml
41)	Aroclor 1254 (6)	8.325	6922	2.304 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.605	4943	0.515 ng/ml
44)	Aroclor 1260 (2)	7.739	5883	0.497 ng/ml
45)	Aroclor 1260 (3)	8.296	8402	0.906 ng/ml
46)	Aroclor 1260 (4)	8.464	14853	0.679 ng/ml
47)	Aroclor 1260 (5)	8.768	8948	0.623 ng/ml
48)	Aroclor 1260 (6)	9.165	12319	2.073 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.739	5883	0.648 ng/ml
51)	Aroclor 1262 (2)	8.044	8980	0.705 ng/ml
52)	Aroclor 1262 (3)	8.296	8402	0.755 ng/ml
53)	Aroclor 1262 (4)	8.464	14853	0.622 ng/ml
54)	Aroclor 1262 (5)	8.768	8948	0.618 ng/ml
55)	Aroclor 1262 (6)	9.165	12319	1.613 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.296	8402	1.473 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:39
Operator : MJB / KAK
Sample : 0F29028-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:08:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.714	6785	0.245 ng/ml
59)	Aroclor 1268 (3)	8.768	8948	0.380 ng/ml
60)	Aroclor 1268 (4)	8.948	61671	2.863 ng/ml
61)	Aroclor 1268 (5)	9.165	12319	1.460 ng/ml
62)	Aroclor 1268 (6)	9.433	55952	0.868 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

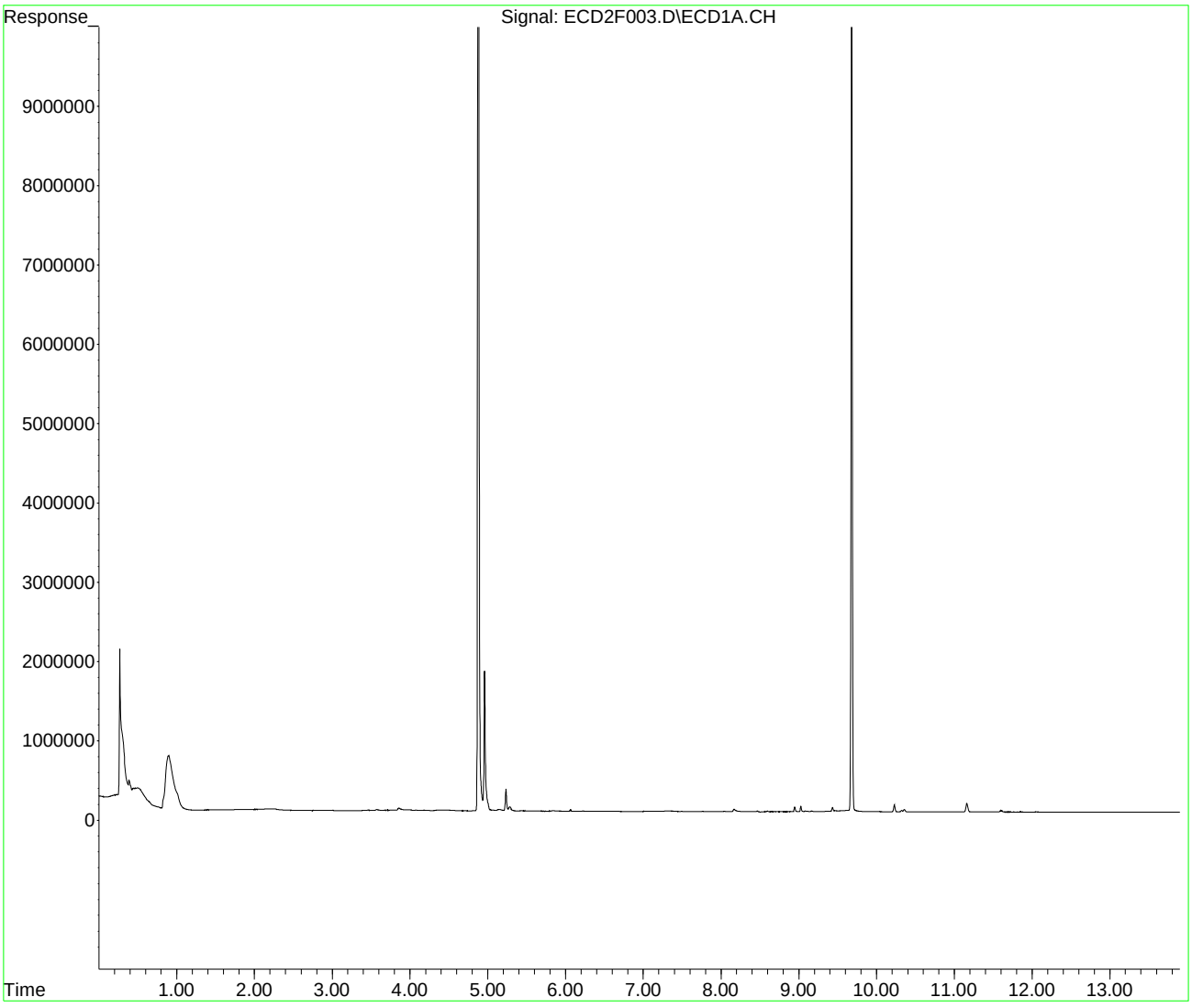
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 7:39
Operator : MJB / KAK
Sample : 0F29028-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:08:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F29028\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:03
Operator : MJB / KAK
Sample : 0060834-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

KAK 6/29/2020

Clean

Integration File: PCB1.e
Quant Time: Jun 29 15:09:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.884	27376116	192.747 ng/ml
64) S	DCBP (S)	9.683	31834030	254.917 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.788	6524	1.362 ng/ml
3)	Aroclor 1016 (2)	6.205	7542	0.747 ng/ml
4)	Aroclor 1016 (3)	6.290	5814	1.079 ng/ml
5)	Aroclor 1016 (4)	6.454	6578	1.647 ng/ml
6)	Aroclor 1016 (5)	6.678	935	0.182 ng/ml
7)	Aroclor 1016 (6)	6.809	2046	0.541 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.239	519984	299.134 ng/ml
10)	Aroclor 1221 (2)	5.329	16671	14.987 ng/ml
11)	Aroclor 1221 (3)	5.429	17371	4.798 ng/ml
12)	Aroclor 1221 (4)	5.885	7276	12.422 ng/ml
13)	Aroclor 1221 (5)	6.205	7542	10.768 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.429	17371	5.729 ng/ml
16)	Aroclor 1232 (2)	6.205	7542	1.918 ng/ml
17)	Aroclor 1232 (3)	6.290	5814	2.665 ng/ml
18)	Aroclor 1232 (4)	6.454	6578	5.101 ng/ml
19)	Aroclor 1232 (5)	6.678	935	0.511 ng/ml
20)	Aroclor 1232 (6)	6.809	2046	1.330 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.788	6524	1.862 ng/ml
23)	Aroclor 1242 (2)	6.205	7542	1.005 ng/ml
24)	Aroclor 1242 (3)	6.290	5814	1.463 ng/ml
25)	Aroclor 1242 (4)	6.454	6578	2.515 ng/ml
26)	Aroclor 1242 (5)	6.678	935	0.249 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:03
Operator : MJB / KAK
Sample : 0060834-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.809	2046	0.624 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.205	7542	1.631 ng/ml
30)	Aroclor 1248 (2)	6.454	6578	1.312 ng/ml
31)	Aroclor 1248 (3)	6.678	935	0.153 ng/ml
32)	Aroclor 1248 (4)	6.965	243	0.033 ng/ml
33)	Aroclor 1248 (5)	7.011	2670	0.339 ng/ml
34)	Aroclor 1248 (6)	7.495	5556	1.413 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.011	2670	0.378 ng/ml
37)	Aroclor 1254 (2)	7.101	4473	0.524 ng/ml
38)	Aroclor 1254 (3)	7.495	5556	0.410 ng/ml
39)	Aroclor 1254 (4)	7.646	3138	0.339 ng/ml
40)	Aroclor 1254 (5)	8.021	3529	0.382 ng/ml
41)	Aroclor 1254 (6)	8.333	3281	1.092 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.608	4273	0.445 ng/ml
44)	Aroclor 1260 (2)	7.739	5402	0.456 ng/ml
45)	Aroclor 1260 (3)	8.300	4462	0.481 ng/ml
46)	Aroclor 1260 (4)	8.466	21335	0.976 ng/ml
47)	Aroclor 1260 (5)	8.770	7837	0.546 ng/ml
48)	Aroclor 1260 (6)	9.168	15485	2.605 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.739	5402	0.596 ng/ml
51)	Aroclor 1262 (2)	8.050	12902	1.013 ng/ml
52)	Aroclor 1262 (3)	8.300	4462	0.401 ng/ml
53)	Aroclor 1262 (4)	8.466	21335	0.893 ng/ml
54)	Aroclor 1262 (5)	8.770	7837	0.541 ng/ml
55)	Aroclor 1262 (6)	9.168	15485	2.028 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.300	4462	0.782 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:03
Operator : MJB / KAK
Sample : 0060834-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.718	4073	0.147 ng/ml
59)	Aroclor 1268 (3)	8.770	7837	0.333 ng/ml
60)	Aroclor 1268 (4)	8.950	105642	4.904 ng/ml
61)	Aroclor 1268 (5)	9.168	15485	1.835 ng/ml
62)	Aroclor 1268 (6)	9.438	89407	1.387 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

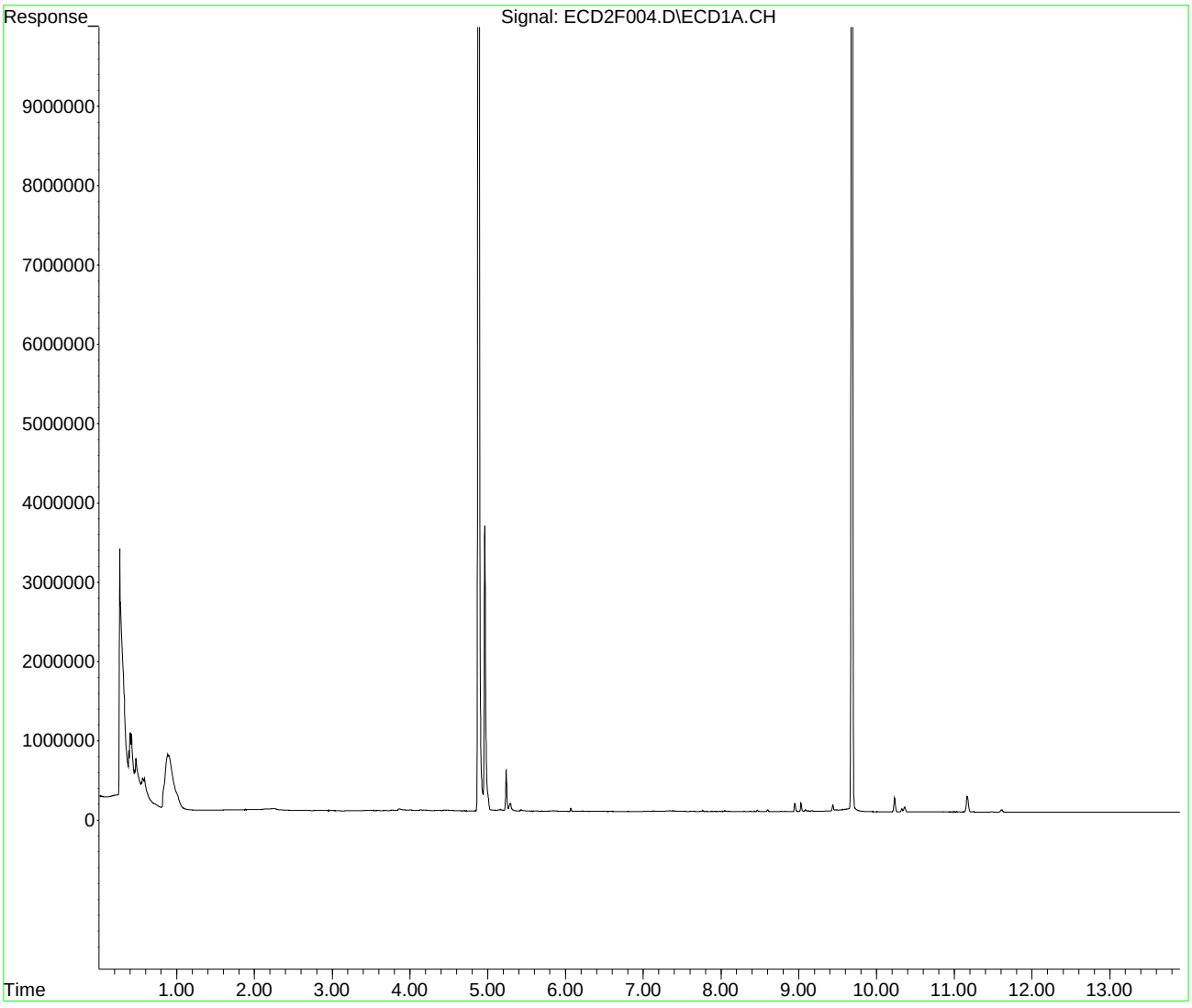
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:03
Operator : MJB / KAK
Sample : 0060834-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F29028\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:20
Operator : MJB / KAK
Sample : 0060834-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
Quant Time: Jun 29 15:09:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.881	27173054	191.317	ng/ml
64) S	DCBP (S)	9.680	33043634	264.603	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.799	3956359	825.877	ng/ml
3)	Aroclor 1016 (2)	6.213	9064339	898.272	ng/ml
4)	Aroclor 1016 (3)	6.294	4593512	852.910	ng/ml
5)	Aroclor 1016 (4)	6.453	3589749	898.556	ng/ml ✓
6)	Aroclor 1016 (5)	6.675	4497634	874.999	ng/ml
7)	Aroclor 1016 (6)	6.802	3253351	860.292	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.237	887095	510.324	ng/ml
10)	Aroclor 1221 (2)	5.358	482626	433.865	ng/ml
11)	Aroclor 1221 (3)	5.438	2290052	632.555	ng/ml
12)	Aroclor 1221 (4)	5.908	390608	666.890	ng/ml
13)	Aroclor 1221 (5)	6.213	9064339	12941.097	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.438	2290052	755.308	ng/ml
16)	Aroclor 1232 (2)	6.213	9064339	2305.309	ng/ml
17)	Aroclor 1232 (3)	6.294	4593512	2105.317	ng/ml
18)	Aroclor 1232 (4)	6.453	3589749	2783.623	ng/ml
19)	Aroclor 1232 (5)	6.675	4497634	2459.867	ng/ml
20)	Aroclor 1232 (6)	6.802	3253351	2115.330	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.799	3956359	1129.349	ng/ml
23)	Aroclor 1242 (2)	6.213	9064339	1208.146	ng/ml
24)	Aroclor 1242 (3)	6.294	4593512	1155.645	ng/ml
25)	Aroclor 1242 (4)	6.453	3589749	1372.481	ng/ml
26)	Aroclor 1242 (5)	6.675	4497634	1200.270	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:20
Operator : MJB / KAK
Sample : 0060834-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	6.802	3253351	992.731	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.213	9064339	1960.270	ng/ml	
30)	Aroclor 1248 (2)	6.453	3589749	715.798	ng/ml	
31)	Aroclor 1248 (3)	6.675	4497634	736.050	ng/ml	
32)	Aroclor 1248 (4)	6.969	885954	120.918	ng/ml	
33)	Aroclor 1248 (5)	7.005	3226503	409.616	ng/ml	
34)	Aroclor 1248 (6)	7.493	7008235	1781.894	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.005	3226503	457.134	ng/ml	
37)	Aroclor 1254 (2)	7.114	3317837	388.672	ng/ml	
38)	Aroclor 1254 (3)	7.493	7008235	517.131	ng/ml	
39)	Aroclor 1254 (4)	7.651	1096438	118.429	ng/ml	
40)	Aroclor 1254 (5)	8.034	10477582	1134.806	ng/ml	
41)	Aroclor 1254 (6)	8.326	1025861	341.525	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.606	9886782	1029.780	ng/ml	
44)	Aroclor 1260 (2)	7.738	12759451	1076.931	ng/ml	
45)	Aroclor 1260 (3)	8.297	9220280	993.882	ng/ml	
46)	Aroclor 1260 (4)	8.467	26061946	1191.836	ng/ml	✓
47)	Aroclor 1260 (5)	8.767	16806817	1170.459	ng/ml	
48)	Aroclor 1260 (6)	9.165	6387236	1074.712	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.738	12759451	1406.484	ng/ml	
51)	Aroclor 1262 (2)	8.063	9582253	752.312	ng/ml	
52)	Aroclor 1262 (3)	8.297	9220280	828.464	ng/ml	
53)	Aroclor 1262 (4)	8.467	26061946	1090.740	ng/ml	
54)	Aroclor 1262 (5)	8.767	16806817	1160.470	ng/ml	
55)	Aroclor 1262 (6)	9.165	6387236	836.458	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.297	9220280	1616.007	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:20
Operator : MJB / KAK
Sample : 0060834-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.715	5492396	197.960	ng/ml
59)	Aroclor 1268 (3)	8.767	16806817	713.712	ng/ml
60)	Aroclor 1268 (4)	8.938	432733	20.086	ng/ml
61)	Aroclor 1268 (5)	9.165	6387236	756.731	ng/ml
62)	Aroclor 1268 (6)	9.433	1536222	23.835	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

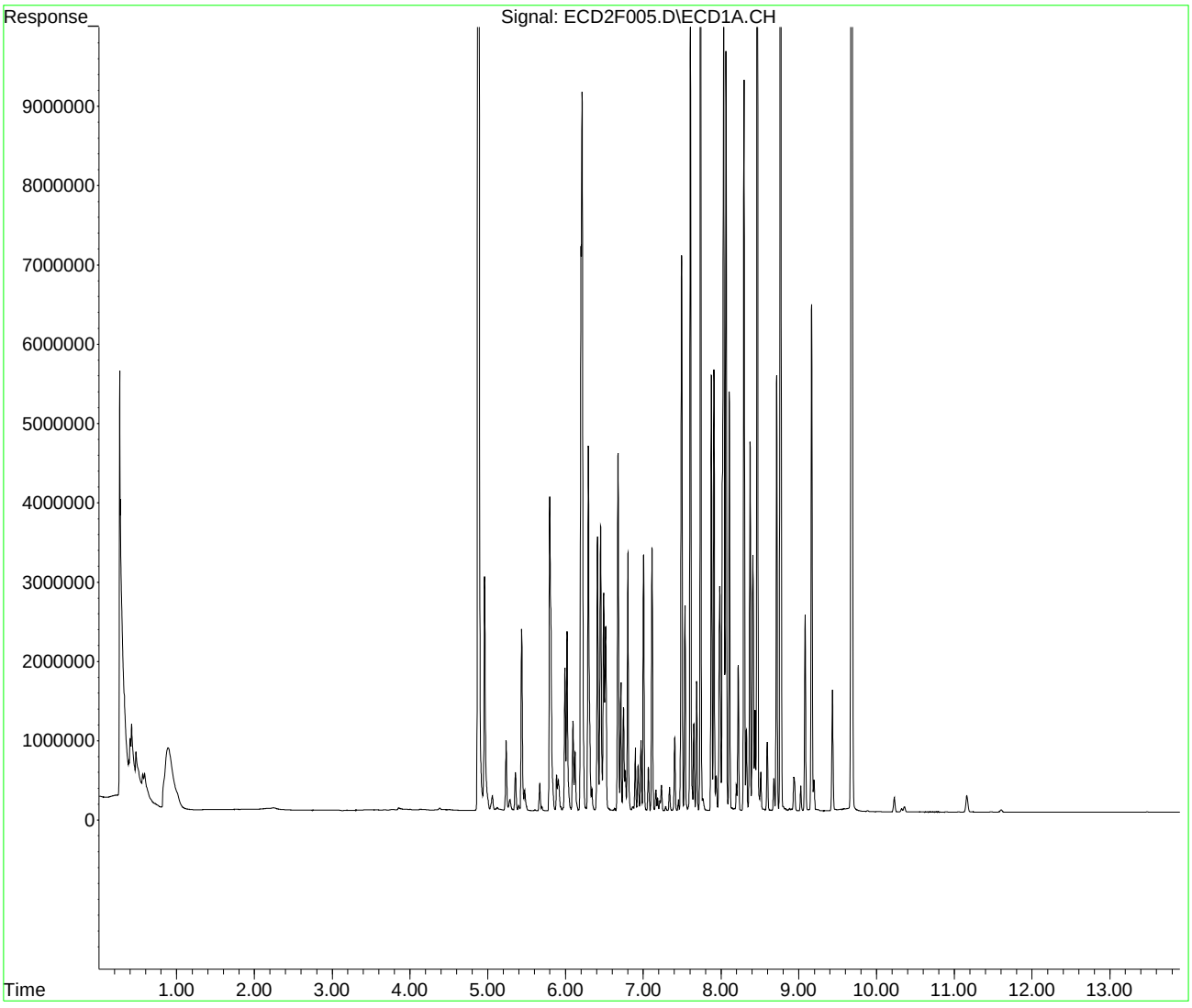
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 8:20
Operator : MJB / KAK
Sample : 0060834-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:09:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F29028\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:34
Operator : MJB / KAK
Sample : 0F29028-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
Quant Time: Jun 29 15:11:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.880	39262123	276.433	ng/ml	
64) S	DCBP (S)	9.678	34690387	277.790	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.798	2103039	439.002	ng/ml	
3)	Aroclor 1016 (2)	6.212	4691588	464.934	ng/ml	
4)	Aroclor 1016 (3)	6.293	2603082	483.333	ng/ml	
5)	Aroclor 1016 (4)	6.452	1879049	470.348	ng/ml	✓
6)	Aroclor 1016 (5)	6.675	2313250	450.035	ng/ml	
7)	Aroclor 1016 (6)	6.802	1763038	466.205	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.236	869797	500.373	ng/ml	
10)	Aroclor 1221 (2)	5.357	287226	258.206	ng/ml	
11)	Aroclor 1221 (3)	5.437	1302364	359.737	ng/ml	
12)	Aroclor 1221 (4)	5.907	235771	402.535	ng/ml	
13)	Aroclor 1221 (5)	6.212	4691588	6698.150	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.437	1302364	429.548	ng/ml	
16)	Aroclor 1232 (2)	6.212	4691588	1193.199	ng/ml	
17)	Aroclor 1232 (3)	6.293	2603082	1193.055	ng/ml	
18)	Aroclor 1232 (4)	6.452	1879049	1457.083	ng/ml	
19)	Aroclor 1232 (5)	6.675	2313250	1265.173	ng/ml	
20)	Aroclor 1232 (6)	6.802	1763038	1146.328	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.798	2103039	600.316	ng/ml	
23)	Aroclor 1242 (2)	6.212	4691588	625.321	ng/ml	
24)	Aroclor 1242 (3)	6.293	2603082	654.889	ng/ml	
25)	Aroclor 1242 (4)	6.452	1879049	718.423	ng/ml	
26)	Aroclor 1242 (5)	6.675	2313250	617.330	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:34
Operator : MJB / KAK
Sample : 0F29028-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:11:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	6.802	1763038	537.975	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.212	4691588	1014.611	ng/ml	
30)	Aroclor 1248 (2)	6.452	1879049	374.683	ng/ml	
31)	Aroclor 1248 (3)	6.675	2313250	378.570	ng/ml	
32)	Aroclor 1248 (4)	6.968	464273	63.365	ng/ml	
33)	Aroclor 1248 (5)	7.004	1597014	202.746	ng/ml	
34)	Aroclor 1248 (6)	7.493	3246876	825.541	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.004	1597014	226.266	ng/ml	
37)	Aroclor 1254 (2)	7.113	1616762	189.397	ng/ml	
38)	Aroclor 1254 (3)	7.493	3246876	239.584	ng/ml	
39)	Aroclor 1254 (4)	7.650	512392	55.345	ng/ml	
40)	Aroclor 1254 (5)	8.033	4701490	509.209	ng/ml	
41)	Aroclor 1254 (6)	8.327	496805	165.394	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.605	4337751	451.808	ng/ml	
44)	Aroclor 1260 (2)	7.738	5731255	483.733	ng/ml	
45)	Aroclor 1260 (3)	8.296	4332643	467.029	ng/ml	✓
46)	Aroclor 1260 (4)	8.466	10593493	484.450	ng/ml	
47)	Aroclor 1260 (5)	8.766	6637289	462.234	ng/ml	
48)	Aroclor 1260 (6)	9.164	2792177	469.810	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.738	5731255	631.761	ng/ml	
51)	Aroclor 1262 (2)	8.063	4172370	327.577	ng/ml	
52)	Aroclor 1262 (3)	8.296	4332643	389.298	ng/ml	
53)	Aroclor 1262 (4)	8.466	10593493	443.357	ng/ml	
54)	Aroclor 1262 (5)	8.766	6637289	458.289	ng/ml	
55)	Aroclor 1262 (6)	9.164	2792177	365.657	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.296	4332643	759.368	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:34
Operator : MJB / KAK
Sample : 0F29028-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:11:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.714	2152887	77.596	ng/ml
59)	Aroclor 1268 (3)	8.766	6637289	281.857	ng/ml
60)	Aroclor 1268 (4)	8.944	227165	10.544	ng/ml
61)	Aroclor 1268 (5)	9.164	2792177	330.805	ng/ml
62)	Aroclor 1268 (6)	9.432	699631	10.855	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

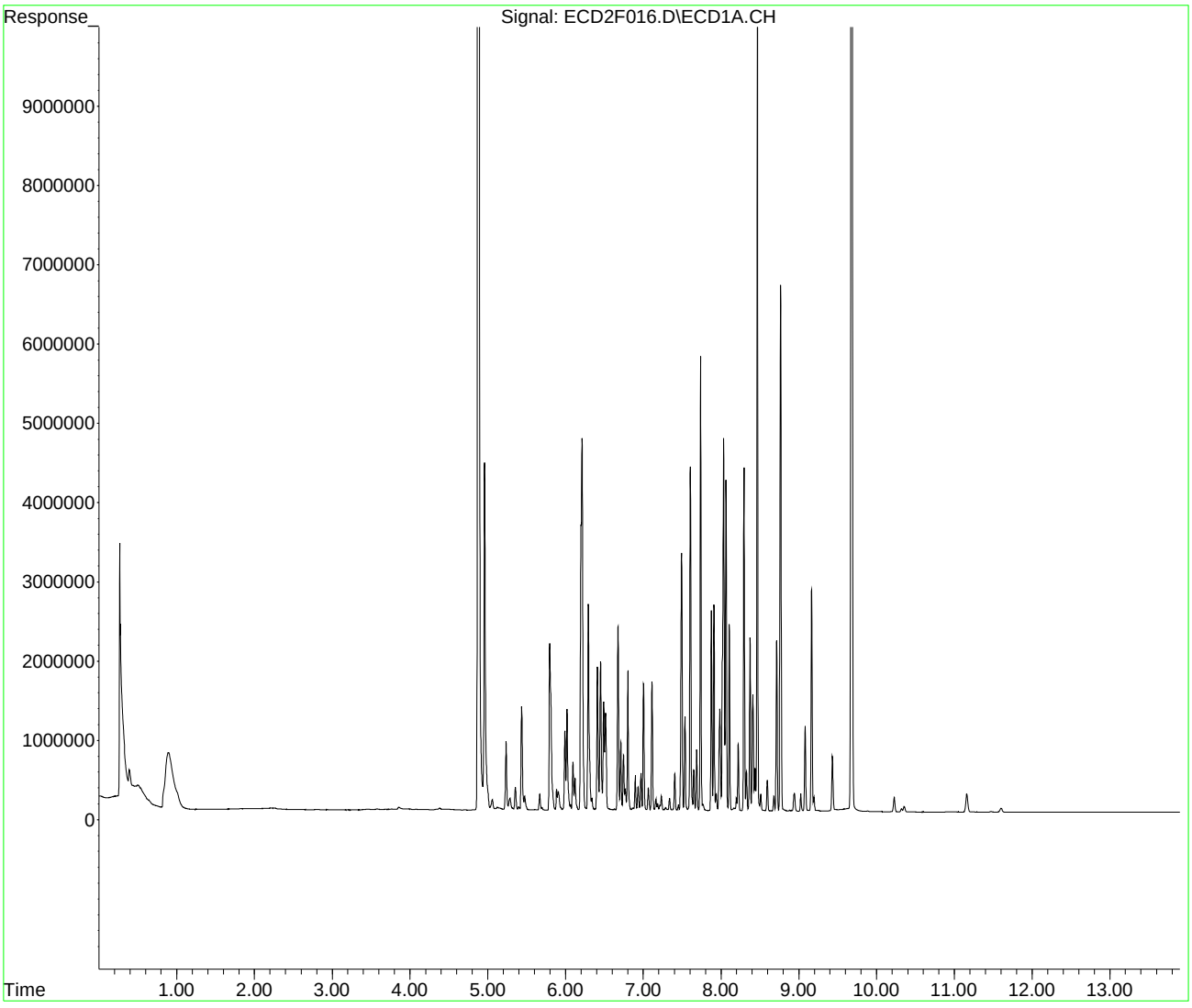
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:34
Operator : MJB / KAK
Sample : 0F29028-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:11:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F29028\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:52
Operator : MJB / KAK
Sample : 0F29028-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 6/29/2020

Integration File: PCB1.e
Quant Time: Jun 29 15:11:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	4.880	14511570	102.172	ng/ml
64) S	DCBP (S)	9.678	13145373	105.264	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.801	978	0.204	ng/ml
3)	Aroclor 1016 (2)	6.198	1335	0.132	ng/ml
4)	Aroclor 1016 (3)	6.293	1066	0.198	ng/ml
5)	Aroclor 1016 (4)	6.454	925	0.232	ng/ml
6)	Aroclor 1016 (5)	6.667	618	0.120	ng/ml
7)	Aroclor 1016 (6)	6.809	1175	0.311	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.234	279839	160.985	ng/ml
10)	Aroclor 1221 (2)	5.378	1388	1.248	ng/ml
11)	Aroclor 1221 (3)	5.428	5812	1.605	ng/ml
12)	Aroclor 1221 (4)	5.895	1949	3.327	ng/ml
13)	Aroclor 1221 (5)	6.198	1335	1.905	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.428	5812	1.917	ng/ml
16)	Aroclor 1232 (2)	6.198	1335	0.339	ng/ml
17)	Aroclor 1232 (3)	6.293	1066	0.489	ng/ml
18)	Aroclor 1232 (4)	6.454	925	0.717	ng/ml
19)	Aroclor 1232 (5)	6.667	618	0.338	ng/ml
20)	Aroclor 1232 (6)	6.791	694	0.451	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.801	978	0.279	ng/ml
23)	Aroclor 1242 (2)	6.198	1335	0.178	ng/ml
24)	Aroclor 1242 (3)	6.293	1066	0.268	ng/ml
25)	Aroclor 1242 (4)	6.454	925	0.354	ng/ml
26)	Aroclor 1242 (5)	6.667	618	0.165	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:52
Operator : MJB / KAK
Sample : 0F29028-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:11:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.809	1175	0.358	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.198	1335	0.289	ng/ml
30)	Aroclor 1248 (2)	6.454	925	0.184	ng/ml
31)	Aroclor 1248 (3)	6.667	618	0.101	ng/ml
32)	Aroclor 1248 (4)	6.985	2763	0.377	ng/ml
33)	Aroclor 1248 (5)	7.017	4541	0.576	ng/ml
34)	Aroclor 1248 (6)	7.485	5798	1.474	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.017	4541	0.643	ng/ml
37)	Aroclor 1254 (2)	7.118	6962	0.816	ng/ml
38)	Aroclor 1254 (3)	7.485	5798	0.428	ng/ml
39)	Aroclor 1254 (4)	7.649	4854	0.524	ng/ml
40)	Aroclor 1254 (5)	8.042	7914	0.857	ng/ml
41)	Aroclor 1254 (6)	8.329	4271	1.422	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.605	5742	0.598	ng/ml
44)	Aroclor 1260 (2)	7.737	6431	0.543	ng/ml
45)	Aroclor 1260 (3)	8.294	6388	0.689	ng/ml
46)	Aroclor 1260 (4)	8.463	12063	0.552	ng/ml
47)	Aroclor 1260 (5)	8.767	7128	0.496	ng/ml
48)	Aroclor 1260 (6)	9.164	8152	1.372	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.737	6431	0.709	ng/ml
51)	Aroclor 1262 (2)	8.063	6180	0.485	ng/ml
52)	Aroclor 1262 (3)	8.294	6388	0.574	ng/ml
53)	Aroclor 1262 (4)	8.463	12063	0.505	ng/ml
54)	Aroclor 1262 (5)	8.767	7128	0.492	ng/ml
55)	Aroclor 1262 (6)	9.164	8152	1.068	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.294	6388	1.120	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:52
Operator : MJB / KAK
Sample : 0F29028-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:11:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.715	4735	0.171 ng/ml
59)	Aroclor 1268 (3)	8.767	7128	0.303 ng/ml
60)	Aroclor 1268 (4)	8.946	58916	2.735 ng/ml
61)	Aroclor 1268 (5)	9.164	8152	0.966 ng/ml
62)	Aroclor 1268 (6)	9.432	58750	0.912 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

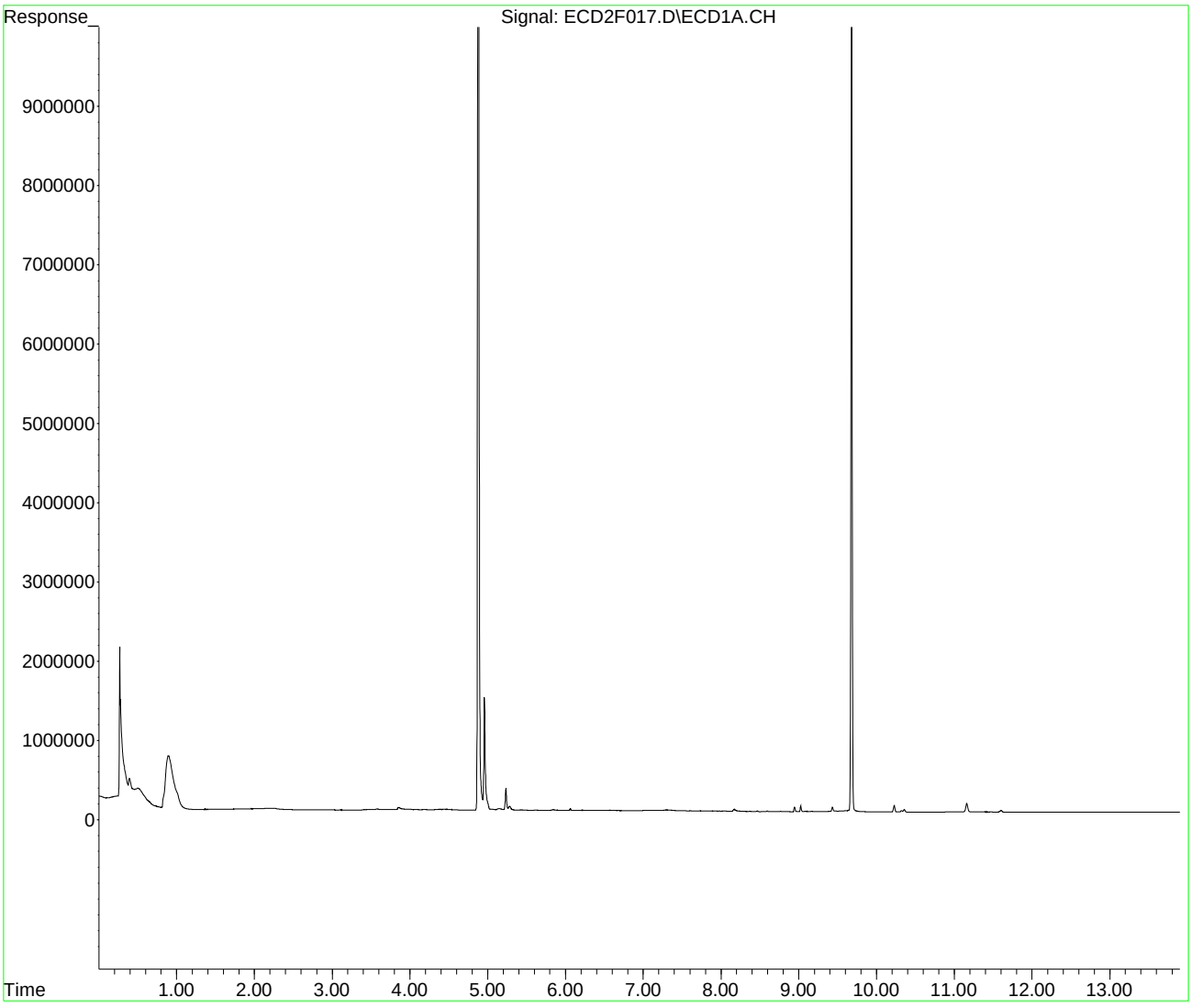
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 11:52
Operator : MJB / KAK
Sample : 0F29028-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 29 15:11:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0F29028	Instrument:	DUALECD2F
Date:	**06/29/20 06:21**	Calibration:	**A0F2307**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F29028-CCV1	Sediment	QC	QC				A20F129
2	0F29028-CCB1	Sediment	QC	QC				A20F379
3	0060834-BLK1	Sediment	QC	QC		0060834		
4	0060834-BS1	Sediment	QC	QC		0060834		
5	A0F0647-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
6	0F29028-IBL1	Sediment	QC	QC				
7	A0F0647-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
8	0F29028-IBL2	Sediment	QC	QC				
9	A0F0647-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
10	0F29028-IBL3	Sediment	QC	QC				
11	0060834-DUP1	Sediment	QC	QC		0060834		
12	0F29028-IBL4	Sediment	QC	QC				
13	A0F0626-05RE2	Sediment	8082 PCBs - Low Level (2mL FV) +12	GSI Water Solutions	06/26/20	0060857		
14	0F29028-IBL5	Sediment	QC	QC				
15	0F29028-CCV2	Sediment	QC	QC				A20F129
16	0F29028-CCB2	Sediment	QC	QC				A20F379
17	A0F0647-04	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
18	0F29028-IBL6	Sediment	QC	QC				
19	0060834-MS1	Sediment	QC	QC		0060834		
20	0F29028-IBL7	Sediment	QC	QC				
21	A0F0667-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
22	0F29028-IBL8	Sediment	QC	QC				
23	A0F0667-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
24	0F29028-IBL9	Sediment	QC	QC				
25	A0F0670-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
26	0F29028-IBLA	Sediment	QC	QC				
27	A0F0670-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
28	0F29028-IBLB	Sediment	QC	QC				
29	A0F0670-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0060834		
30	0F29028-IBLC	Sediment	QC	QC				
31	0F29028-CCV3	Sediment	QC	QC				A20F129
32	0F29028-CCB3	Sediment	QC	QC				A20F379

Comments:

Data Entered By/Date: KAK 6/30/2020

Data Reviewed By/Date: MKZ 6/30/2020

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.

0F29028-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	439.00
1016 (2)	464.93
1016 (3)	483.33
1016 (4)	470.35
1016 (5)	450.03
1016 (6)	466.20
Average:	**462.31**

Aroclor 1260

Peak	Initial Res
1260 (1)	451.81
1260 (2)	483.73
1260 (3)	467.03
1260 (4)	484.45
1260 (5)	462.23
1260 (6)	469.81
Average:	**469.84**

0060834-MS1

Aroclor 1016

Peak	Initial Res
1016 (1)	797.74
1016 (2)	878.29
1016 (3)	814.40
1016 (4)	917.73
1016 (5)	846.45
1016 (6)	823.29
Average:	**846.32**

Aroclor 1260

Peak	Initial Res
1260 (1)	936.45
1260 (2)	1,010.43
1260 (3)	965.46
1260 (4)	1,111.02
1260 (5)	1,034.10
1260 (6)	992.57
Average:	**1,008.34**

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.

0F29028-CCV3

Aroclor 1016

Peak	Initial Res
1016 (1)	490.50
1016 (2)	511.38
1016 (3)	509.53
1016 (4)	493.99
1016 (5)	488.59
1016 (6)	481.03
Average:	**495.84**

Aroclor 1260

Peak	Initial Res
1260 (1)	495.96
1260 (2)	506.53
1260 (3)	500.83
1260 (4)	511.12
1260 (5)	483.45
1260 (6)	452.60
Average:	**491.75**

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

KAK 6/30/2020

1260 (J)

Q-14/RR7

Integration File: PCB1.e
Quant Time: Jun 30 08:47:16 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.890	11812193	83.166	ng/ml	
64) S	DCBP (S)	9.683	12636979	101.193	ng/ml	Q-41 S-06
	Target Compounds					
2)	Aroclor 1016 (1)	5.799	10509	2.194	ng/ml	
3)	Aroclor 1016 (2)	6.210	24447	2.423	ng/ml	
4)	Aroclor 1016 (3)	6.312	20007	3.715	ng/ml	
5)	Aroclor 1016 (4)	6.456	41198	10.312	ng/ml	
6)	Aroclor 1016 (5)	6.687	130568	25.402	ng/ml	
7)	Aroclor 1016 (6)	6.805	25931	6.857	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.243	222111	127.775	ng/ml	
10)	Aroclor 1221 (2)	5.368	4544	4.085	ng/ml	
11)	Aroclor 1221 (3)	5.432	159438	44.040	ng/ml	
12)	Aroclor 1221 (4)	5.898	11974	20.444	ng/ml	
13)	Aroclor 1221 (5)	6.210	24447	34.903	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.432	159438	52.586	ng/ml	
16)	Aroclor 1232 (2)	6.210	24447	6.218	ng/ml	
17)	Aroclor 1232 (3)	6.312	20007	9.169	ng/ml	
18)	Aroclor 1232 (4)	6.456	41198	31.946	ng/ml	
19)	Aroclor 1232 (5)	6.687	130568	71.411	ng/ml	
20)	Aroclor 1232 (6)	6.805	25931	16.860	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.799	10509	3.000	ng/ml	
23)	Aroclor 1242 (2)	6.210	24447	3.258	ng/ml	
24)	Aroclor 1242 (3)	6.312	20007	5.033	ng/ml	
25)	Aroclor 1242 (4)	6.456	41198	15.751	ng/ml	
26)	Aroclor 1242 (5)	6.687	130568	34.844	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:47:16 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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		
27)	Aroclor 1242 (6)	6.805	25931	7.913	ng/ml		
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml		
29)	Aroclor 1248 (1)	6.210	24447	5.287	ng/ml		
30)	Aroclor 1248 (2)	6.456	41198	8.215	ng/ml		
31)	Aroclor 1248 (3)	6.687	130568	21.368	ng/ml		
32)	Aroclor 1248 (4)	6.984	87594	11.955	ng/mlm		
33)	Aroclor 1248 (5)	7.009	113284	14.382	ng/ml		
34)	Aroclor 1248 (6)	7.494	164993	41.951	ng/ml		
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml		
36)	Aroclor 1254 (1)	7.009	113284	16.050	ng/ml		
37)	Aroclor 1254 (2)	7.121	1250527	146.494	ng/mlm		
38)	Aroclor 1254 (3)	7.494	164993	12.175	ng/ml	MDL=MRL	
39)	Aroclor 1254 (4)	7.661	112739	12.177	ng/mlm		
40)	Aroclor 1254 (5)	8.036	142589	15.444	ng/ml		
41)	Aroclor 1254 (6)	8.330	56660	18.863	ng/ml		
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml		
43)	Aroclor 1260 (1)	7.608	142947	14.889	ng/ml		
44)	Aroclor 1260 (2)	7.744	226721	19.136	ng/ml		
45)	Aroclor 1260 (3)	8.301	107772	11.617	ng/ml		14.091
46)	Aroclor 1260 (4)	8.456	329505	15.069	ng/ml		
47)	Aroclor 1260 (5)	8.770	171203	11.923	ng/ml		
48)	Aroclor 1260 (6)	9.168	70807	11.914	ng/ml		
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml		
50)	Aroclor 1262 (1)	7.744	226721	24.992	ng/ml		
51)	Aroclor 1262 (2)	8.066	100002	7.851	ng/ml		
52)	Aroclor 1262 (3)	8.301	107772	9.684	ng/ml		
53)	Aroclor 1262 (4)	8.456	329505	13.790	ng/ml		
54)	Aroclor 1262 (5)	8.770	171203	11.821	ng/ml		
55)	Aroclor 1262 (6)	9.168	70807	9.273	ng/ml		
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml		
57)	Aroclor 1268 (1)	8.301	107772	18.889	ng/ml		

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:47:16 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.718	89301	3.219 ng/ml
59)	Aroclor 1268 (3)	8.770	171203	7.270 ng/ml
60)	Aroclor 1268 (4)	8.949	70861	3.289 ng/ml
61)	Aroclor 1268 (5)	9.168	70807	8.389 ng/ml
62)	Aroclor 1268 (6)	9.437	128597	1.995 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

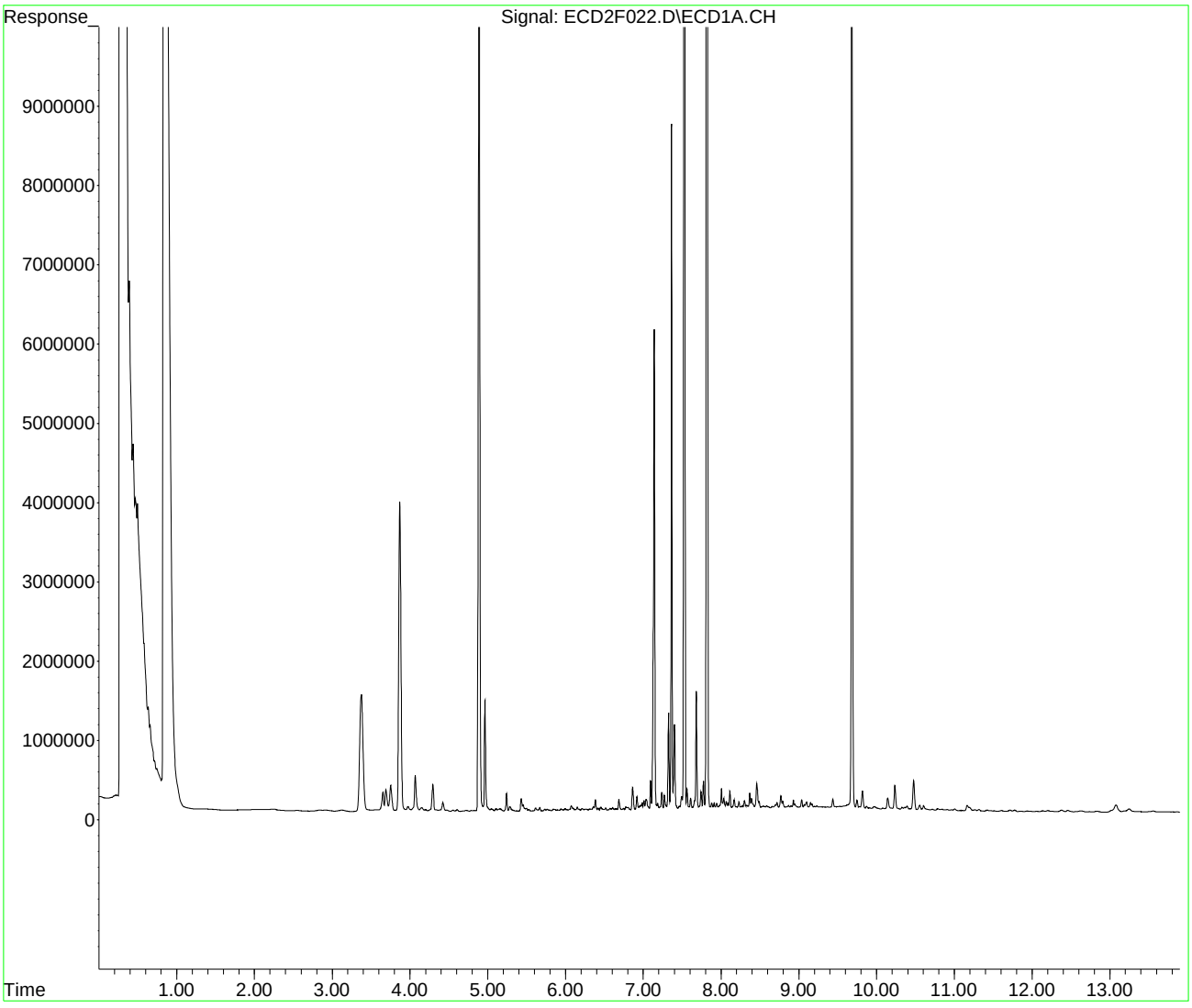
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:47:16 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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

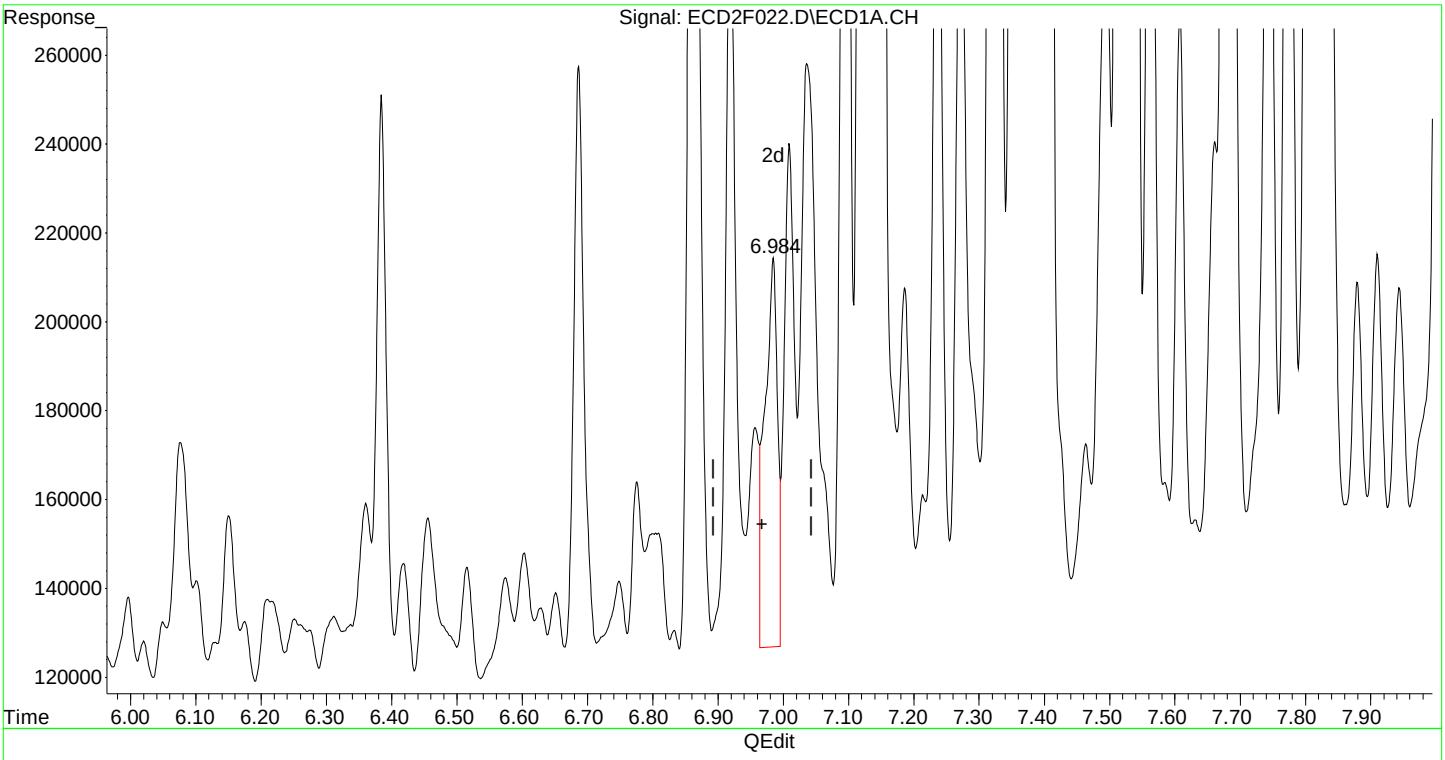


Quantitation Report (Qedit)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:35:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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



(32) Aroclor 1248 (4)
6.984min 11.955 ng/ml m KAK 6/30/2020
response 87594

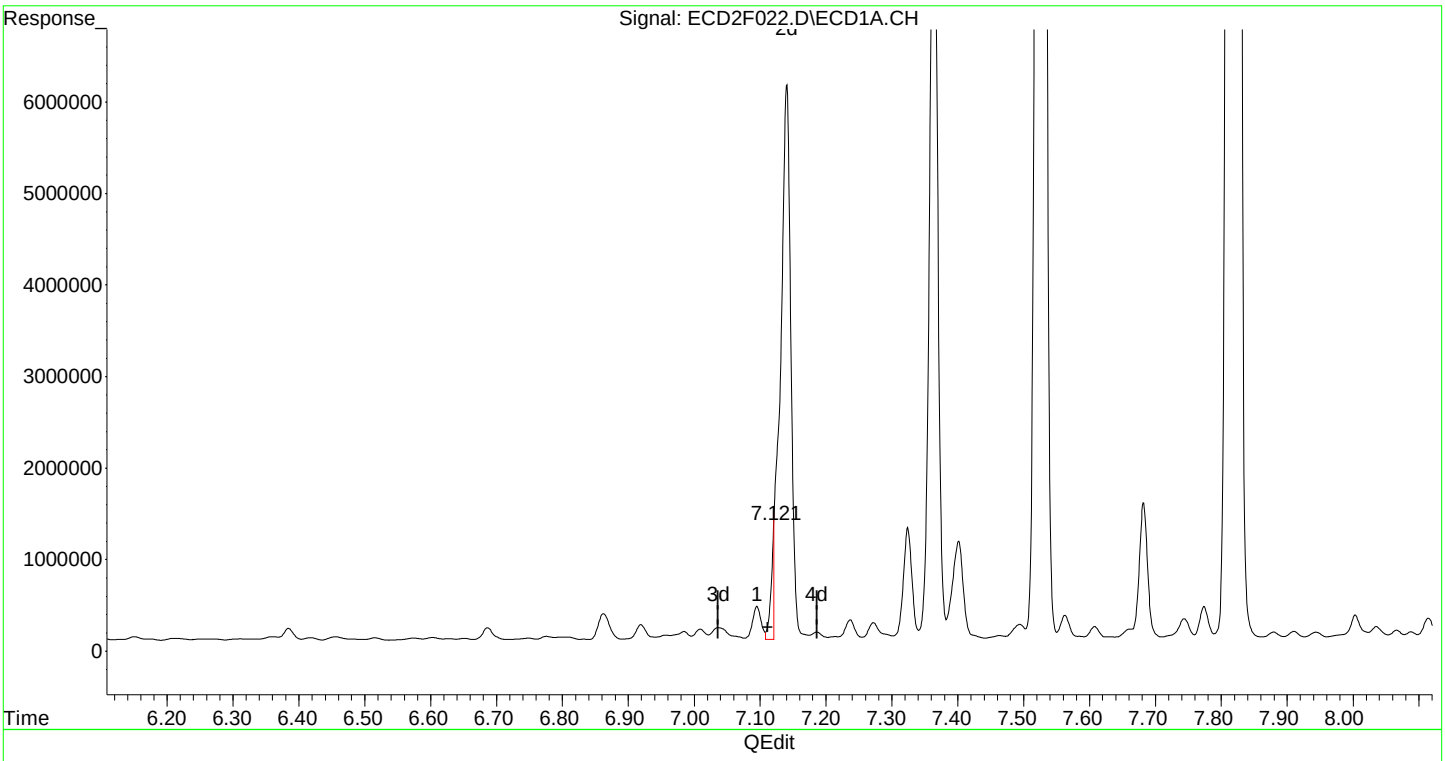
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:35:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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



(37) Aroclor 1254 (2)
7.121min 146.494 ng/ml m KAK 6/30/2020
response 1250527

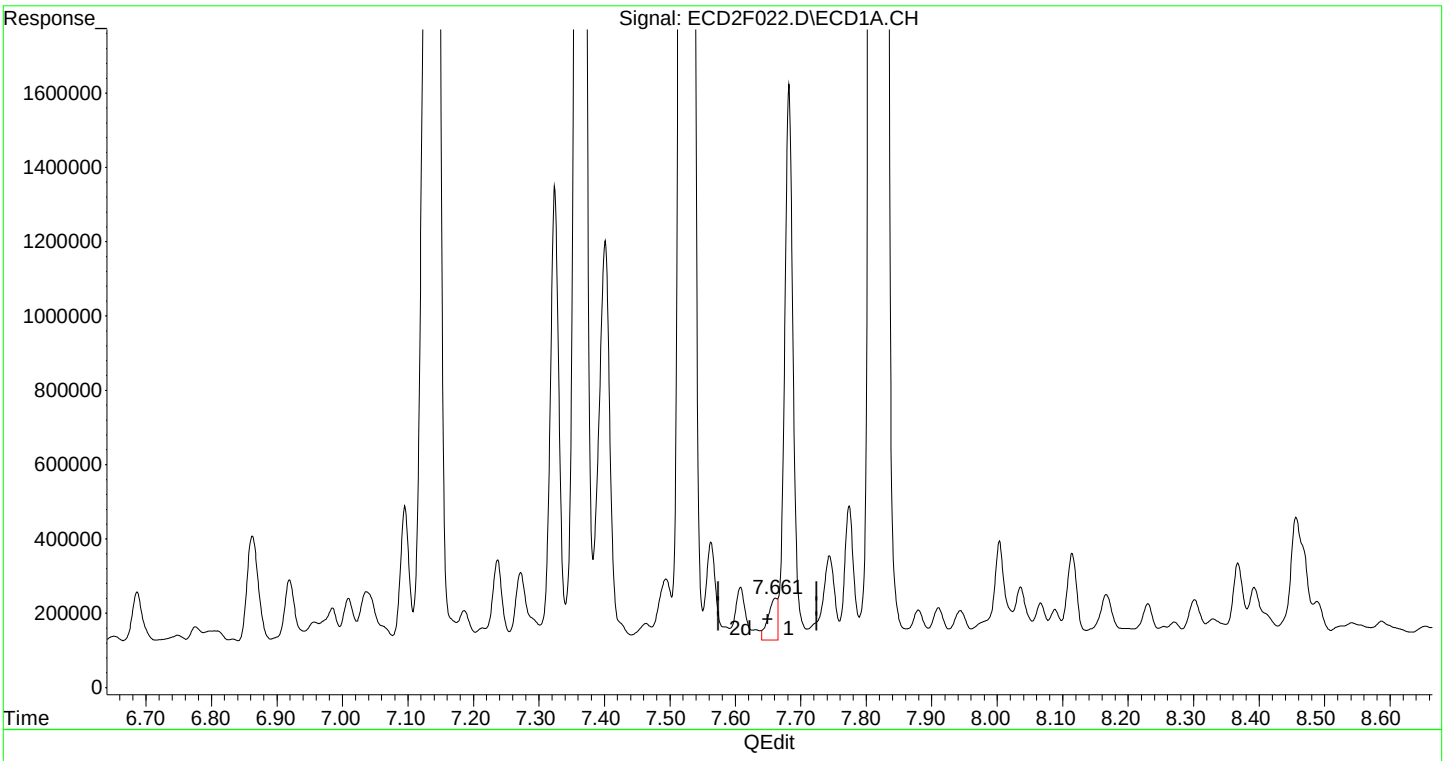
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:35:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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



(39) Aroclor 1254 (4)
7.661min 12.177 ng/ml m KAK 6/30/2020
response 112739

(+) = Expected Retention Time

FECD2_QUANTPCB_200622.M Tue Jun 30 08:47:21 2020 Page: 1

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

KAK 6/30/2020

Integration File: PCB1.e
Quant Time: Jun 30 08:35:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MI

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

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	4.890	11812193	83.166	ng/ml	
64)	S DCBP (S)	9.683	12636979	101.193	ng/ml	Q-41
	Target Compounds					
2)	Aroclor 1016 (1)	5.799	10509	2.194	ng/ml	
3)	Aroclor 1016 (2)	6.210	24447	2.423	ng/ml	
4)	Aroclor 1016 (3)	6.312	20007	3.715	ng/ml	
5)	Aroclor 1016 (4)	6.456	41198	10.312	ng/ml	
6)	Aroclor 1016 (5)	6.687	130568	25.402	ng/ml	
7)	Aroclor 1016 (6)	6.805	25931	6.857	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.243	222111	127.775	ng/ml	
10)	Aroclor 1221 (2)	5.368	4544	4.085	ng/ml	
11)	Aroclor 1221 (3)	5.432	159438	44.040	ng/ml	
12)	Aroclor 1221 (4)	5.898	11974	20.444	ng/ml	
13)	Aroclor 1221 (5)	6.210	24447	34.903	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.432	159438	52.586	ng/ml	
16)	Aroclor 1232 (2)	6.210	24447	6.218	ng/ml	
17)	Aroclor 1232 (3)	6.312	20007	9.169	ng/ml	
18)	Aroclor 1232 (4)	6.456	41198	31.946	ng/ml	
19)	Aroclor 1232 (5)	6.687	130568	71.411	ng/ml	
20)	Aroclor 1232 (6)	6.805	25931	16.860	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.799	10509	3.000	ng/ml	
23)	Aroclor 1242 (2)	6.210	24447	3.258	ng/ml	
24)	Aroclor 1242 (3)	6.312	20007	5.033	ng/ml	
25)	Aroclor 1242 (4)	6.456	41198	15.751	ng/ml	
26)	Aroclor 1242 (5)	6.687	130568	34.844	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:35:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.805	25931	7.913	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.210	24447	5.287	ng/ml
30)	Aroclor 1248 (2)	6.456	41198	8.215	ng/ml
31)	Aroclor 1248 (3)	6.687	130568	21.368	ng/ml
32)	Aroclor 1248 (4)	6.957	49485	6.754	ng/ml
33)	Aroclor 1248 (5)	7.009	113284	14.382	ng/ml
34)	Aroclor 1248 (6)	7.494	164993	41.951	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.009	113284	16.050	ng/ml
37)	Aroclor 1254 (2)	7.095	361983	42.405	ng/ml
38)	Aroclor 1254 (3)	7.494	164993	12.175	ng/ml
39)	Aroclor 1254 (4)	7.682	1495218	161.502	ng/ml
40)	Aroclor 1254 (5)	8.036	142589	15.444	ng/ml
41)	Aroclor 1254 (6)	8.330	56660	18.863	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.608	142947	14.889	ng/ml
44)	Aroclor 1260 (2)	7.744	226721	19.136	ng/ml
45)	Aroclor 1260 (3)	8.301	107772	11.617	ng/ml
46)	Aroclor 1260 (4)	8.456	329505	15.069	ng/ml
47)	Aroclor 1260 (5)	8.770	171203	11.923	ng/ml
48)	Aroclor 1260 (6)	9.168	70807	11.914	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.744	226721	24.992	ng/ml
51)	Aroclor 1262 (2)	8.066	100002	7.851	ng/ml
52)	Aroclor 1262 (3)	8.301	107772	9.684	ng/ml
53)	Aroclor 1262 (4)	8.456	329505	13.790	ng/ml
54)	Aroclor 1262 (5)	8.770	171203	11.821	ng/ml
55)	Aroclor 1262 (6)	9.168	70807	9.273	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.301	107772	18.889	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:35:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.718	89301	3.219 ng/ml
59)	Aroclor 1268 (3)	8.770	171203	7.270 ng/ml
60)	Aroclor 1268 (4)	8.949	70861	3.289 ng/ml
61)	Aroclor 1268 (5)	9.168	70807	8.389 ng/ml
62)	Aroclor 1268 (6)	9.437	128597	1.995 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

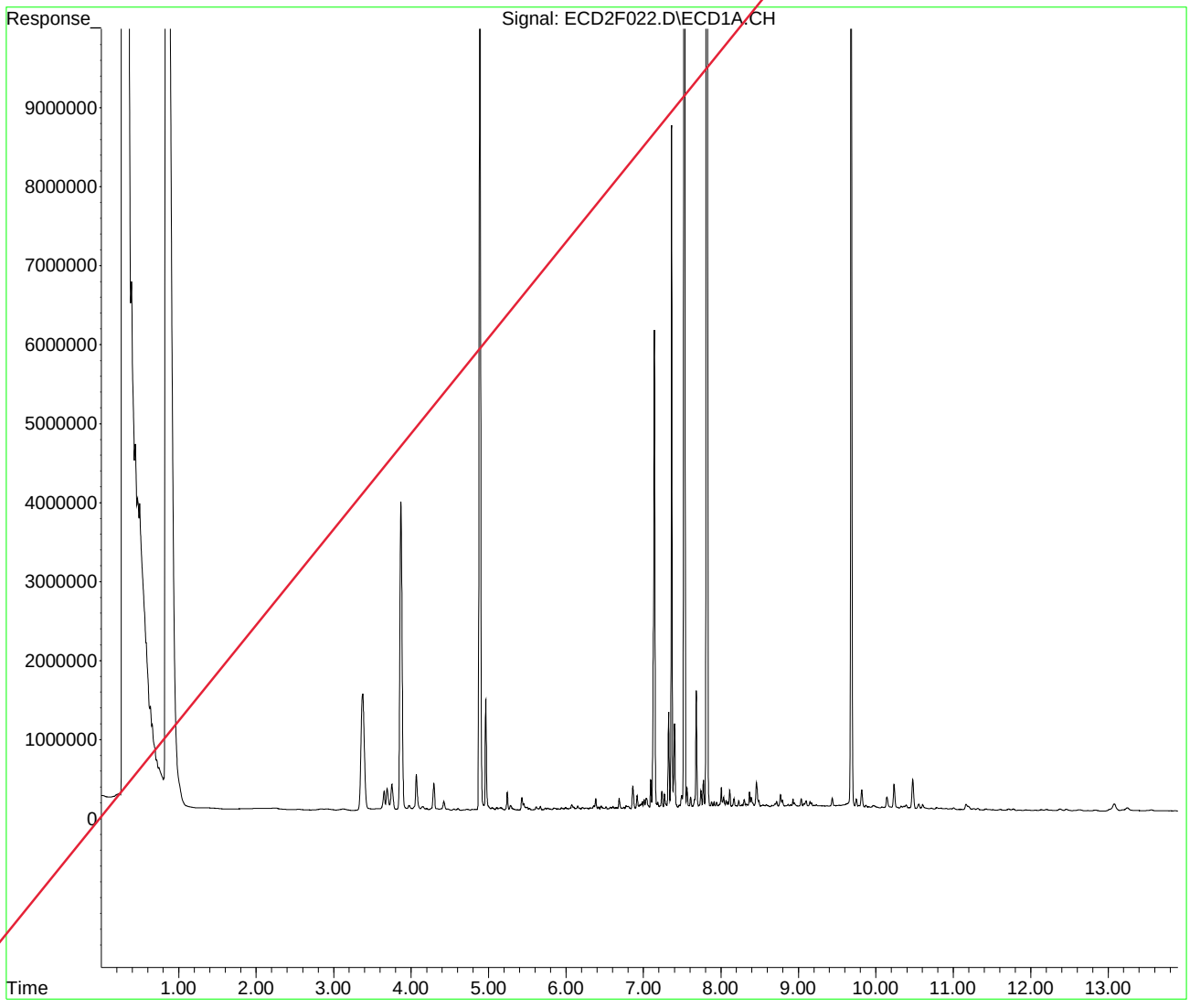
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:20
Operator : MJB / KAK
Sample : A0F0667-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:35:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F29028\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:56
Operator : MJB / KAK
Sample : A0F0667-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

KAK 6/30/2020

Integration File: PCB1.e
Quant Time: Jun 30 08:36:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.882	30999691	218.260	ng/ml	
64)	S DCBP (S)	9.680	25562337	204.696	ng/ml	Q-41
	Target Compounds					
2)	Aroclor 1016 (1)	5.784	9051	1.889	ng/ml	
3)	Aroclor 1016 (2)	6.210	4902	0.486	ng/ml	
4)	Aroclor 1016 (3)	6.291	2914	0.541	ng/ml	
5)	Aroclor 1016 (4)	6.453	5180	1.296	ng/ml	
6)	Aroclor 1016 (5)	6.681	6056	1.178	ng/ml	
7)	Aroclor 1016 (6)	6.805	7042	1.862	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.236	521382	299.938	ng/ml	
10)	Aroclor 1221 (2)	5.365	3016	2.711	ng/ml	
11)	Aroclor 1221 (3)	5.425	34797	9.612	ng/ml	
12)	Aroclor 1221 (4)	5.893	2015	3.440	ng/ml	
13)	Aroclor 1221 (5)	6.210	4902	6.998	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.425	34797	11.477	ng/ml	
16)	Aroclor 1232 (2)	6.210	4902	1.247	ng/ml	
17)	Aroclor 1232 (3)	6.291	2914	1.336	ng/ml	
18)	Aroclor 1232 (4)	6.453	5180	4.016	ng/ml	
19)	Aroclor 1232 (5)	6.681	6056	3.312	ng/ml	
20)	Aroclor 1232 (6)	6.805	7042	4.579	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.784	9051	2.584	ng/ml	
23)	Aroclor 1242 (2)	6.210	4902	0.653	ng/ml	
24)	Aroclor 1242 (3)	6.291	2914	0.733	ng/ml	
25)	Aroclor 1242 (4)	6.453	5180	1.980	ng/ml	
26)	Aroclor 1242 (5)	6.681	6056	1.616	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:56
Operator : MJB / KAK
Sample : A0F0667-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:36:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	6.805	7042	2.149	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.210	4902	1.060	ng/ml	
30)	Aroclor 1248 (2)	6.453	5180	1.033	ng/ml	
31)	Aroclor 1248 (3)	6.681	6056	0.991	ng/ml	
32)	Aroclor 1248 (4)	6.983	7655	1.045	ng/ml	
33)	Aroclor 1248 (5)	7.005	7896	1.002	ng/ml	
34)	Aroclor 1248 (6)	7.486	10184	2.589	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.005	7896	1.119	ng/ml	
37)	Aroclor 1254 (2)	~~7.093~~	~~49849~~	~~5.840~~	ng/ml	10.382MI
38)	Aroclor 1254 (3)	7.486	10184	0.751	ng/ml	
39)	Aroclor 1254 (4)	7.657	14737	1.592	ng/ml	
40)	Aroclor 1254 (5)	8.032	11253	1.219	ng/ml	
41)	Aroclor 1254 (6)	8.344	6780	2.257	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.605	9055	0.943	ng/ml	
44)	Aroclor 1260 (2)	7.739	14163	1.195	ng/ml	
45)	Aroclor 1260 (3)	8.295	4903	0.529	ng/ml	
46)	Aroclor 1260 (4)	8.453	24934	1.140	ng/ml	
47)	Aroclor 1260 (5)	8.755	33533	2.335	ng/ml	
48)	Aroclor 1260 (6)	9.161	22390	3.767	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.739	14163	1.561	ng/ml	
51)	Aroclor 1262 (2)	8.063	8468	0.665	ng/ml	
52)	Aroclor 1262 (3)	8.295	4903	0.441	ng/ml	
53)	Aroclor 1262 (4)	8.453	24934	1.044	ng/ml	
54)	Aroclor 1262 (5)	8.755	33533	2.315	ng/ml	
55)	Aroclor 1262 (6)	9.161	22390	2.932	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.295	4903	0.859	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:56
Operator : MJB / KAK
Sample : A0F0667-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:36:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.725	31502	1.135 ng/ml
59)	Aroclor 1268 (3)	8.755	33533	1.424 ng/ml
60)	Aroclor 1268 (4)	8.947	39114	1.816 ng/ml
61)	Aroclor 1268 (5)	9.161	22390	2.653 ng/ml
62)	Aroclor 1268 (6)	9.434	37144	0.576 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

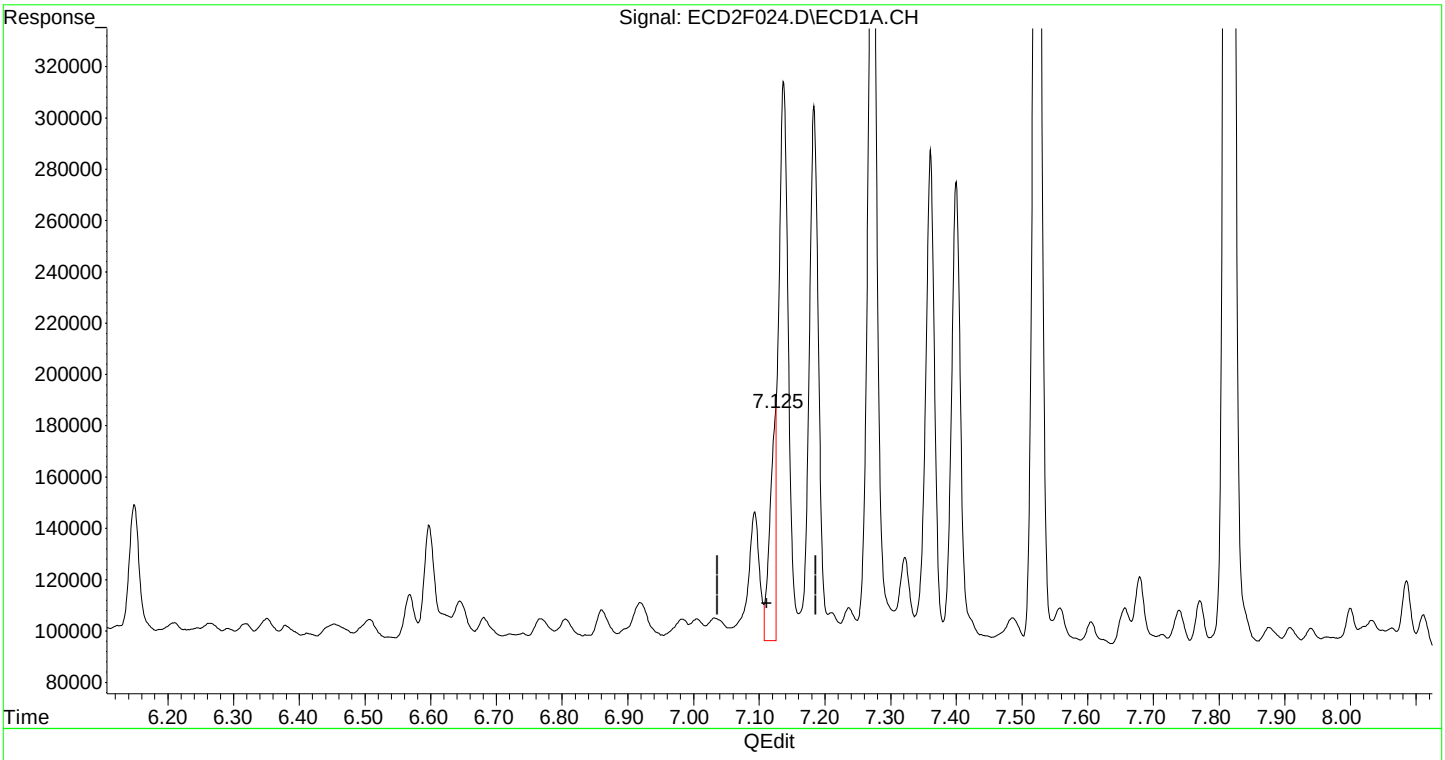
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Qedit)

Data Path : K:\DATA\0F29028\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:56
Operator : MJB / KAK
Sample : A0F0667-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:36:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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



(37) Aroclor 1254 (2)
7.125min 10.382 ng/ml m KAK 6/30/2020
response 88623

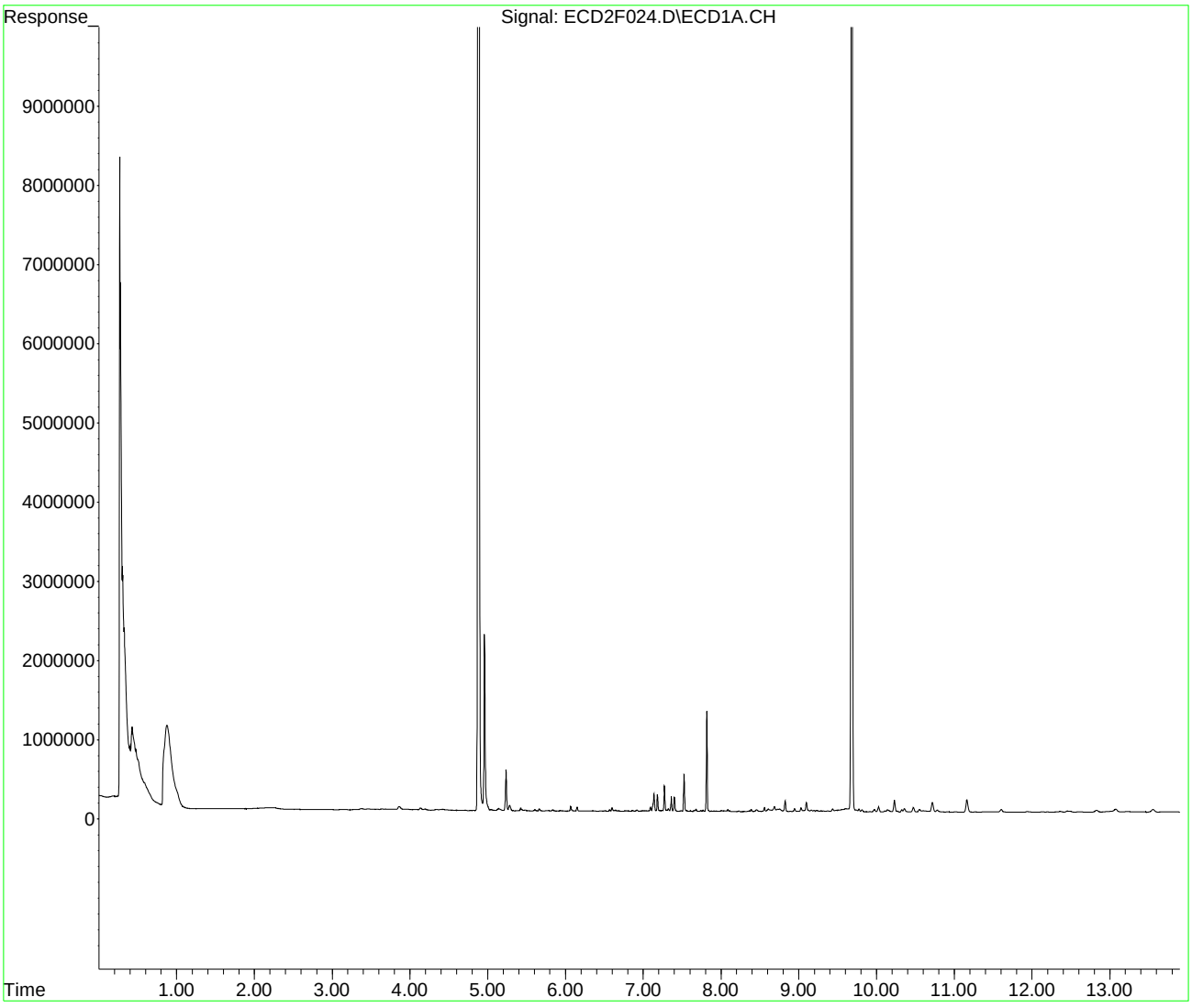
(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 13:56
Operator : MJB / KAK
Sample : A0F0667-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:36:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F29028\
Data File : ECD2F032.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:17
Operator : MJB / KAK
Sample : 0F29028-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

KAK 6/30/2020

Integration File: PCB1.e
Quant Time: Jun 30 08:37:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.880	41989342	295.634	ng/ml	
64) S	DCBP (S)	9.679	39346540	315.075	ng/ml	Q-41
	Target Compounds					
2)	Aroclor 1016 (1)	5.798	2349757	490.504	ng/ml	
3)	Aroclor 1016 (2)	6.213	5160234	511.377	ng/ml	
4)	Aroclor 1016 (3)	6.293	2744150	509.526	ng/ml	✓
5)	Aroclor 1016 (4)	6.452	1973484	493.986	ng/ml	
6)	Aroclor 1016 (5)	6.675	2511431	488.590	ng/ml	
7)	Aroclor 1016 (6)	6.801	1819090	481.027	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.235	950266	546.664	ng/ml	
10)	Aroclor 1221 (2)	5.356	311491	280.020	ng/ml	
11)	Aroclor 1221 (3)	5.437	1423886	393.304	ng/ml	
12)	Aroclor 1221 (4)	5.907	261142	445.852	ng/ml	
13)	Aroclor 1221 (5)	6.213	5160234	7367.232	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.437	1423886	469.628	ng/ml	
16)	Aroclor 1232 (2)	6.213	5160234	1312.389	ng/ml	
17)	Aroclor 1232 (3)	6.293	2744150	1257.710	ng/ml	
18)	Aroclor 1232 (4)	6.452	1973484	1530.312	ng/ml	
19)	Aroclor 1232 (5)	6.675	2511431	1373.564	ng/ml	
20)	Aroclor 1232 (6)	6.801	1819090	1182.773	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.798	2349757	670.742	ng/ml	
23)	Aroclor 1242 (2)	6.213	5160234	687.785	ng/ml	
24)	Aroclor 1242 (3)	6.293	2744150	690.379	ng/ml	
25)	Aroclor 1242 (4)	6.452	1973484	754.529	ng/ml	
26)	Aroclor 1242 (5)	6.675	2511431	670.218	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F032.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:17
Operator : MJB / KAK
Sample : 0F29028-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:37:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	6.801	1819090	555.079	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.213	5160234	1115.961	ng/ml	
30)	Aroclor 1248 (2)	6.452	1973484	393.514	ng/ml	
31)	Aroclor 1248 (3)	6.675	2511431	411.003	ng/ml	
32)	Aroclor 1248 (4)	6.969	491466	67.077	ng/ml	
33)	Aroclor 1248 (5)	7.004	1670747	212.107	ng/ml	
34)	Aroclor 1248 (6)	7.492	3512190	892.999	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.004	1670747	236.713	ng/ml	
37)	Aroclor 1254 (2)	7.113	1732426	202.947	ng/ml	
38)	Aroclor 1254 (3)	7.492	3512190	259.161	ng/ml	
39)	Aroclor 1254 (4)	7.651	536586	57.958	ng/ml	
40)	Aroclor 1254 (5)	8.033	4756684	515.187	ng/ml	
41)	Aroclor 1254 (6)	8.327	504829	168.065	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.605	4761683	495.964	ng/ml	
44)	Aroclor 1260 (2)	7.737	6001309	506.526	ng/ml	
45)	Aroclor 1260 (3)	8.296	4646208	500.829	ng/ml	
46)	Aroclor 1260 (4)	8.466	11176660	511.119	ng/ml	✓
47)	Aroclor 1260 (5)	8.766	6941999	483.454	ng/ml	
48)	Aroclor 1260 (6)	9.164	2689905	452.602	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.737	6001309	661.529	ng/ml	
51)	Aroclor 1262 (2)	8.063	4393750	344.958	ng/ml	
52)	Aroclor 1262 (3)	8.296	4646208	417.473	ng/ml	
53)	Aroclor 1262 (4)	8.466	11176660	467.764	ng/ml	
54)	Aroclor 1262 (5)	8.766	6941999	479.328	ng/ml	
55)	Aroclor 1262 (6)	9.164	2689905	352.264	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.296	4646208	814.325	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F032.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:17
Operator : MJB / KAK
Sample : 0F29028-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:37:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.714	2302689	82.995	ng/ml
59)	Aroclor 1268 (3)	8.766	6941999	294.796	ng/ml
60)	Aroclor 1268 (4)	8.944	225867	10.484	ng/ml
61)	Aroclor 1268 (5)	9.164	2689905	318.688	ng/ml
62)	Aroclor 1268 (6)	9.432	711235	11.035	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

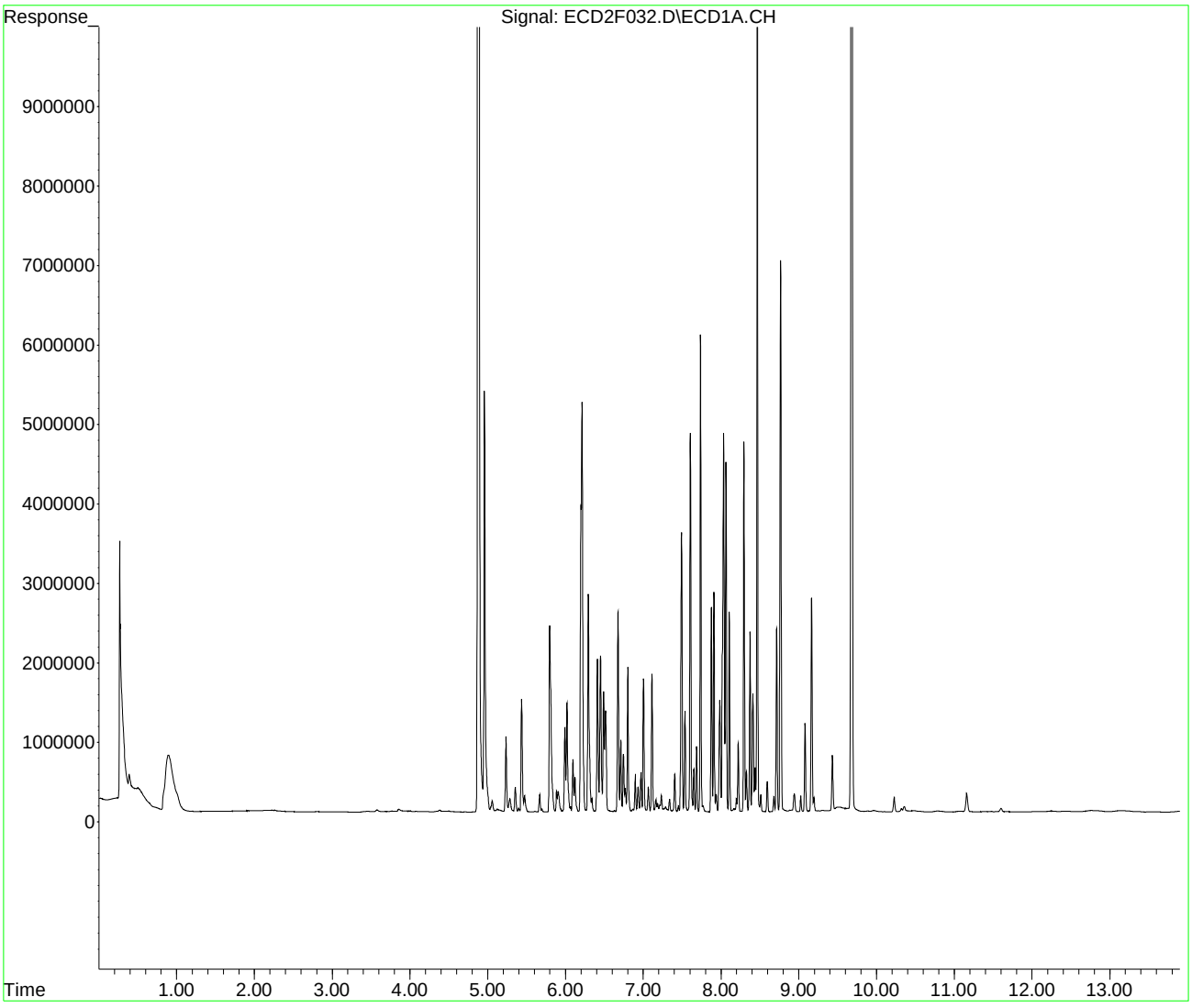
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F032.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:17
Operator : MJB / KAK
Sample : 0F29028-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:37:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F29028\
Data File : ECD2F033.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:34
Operator : MJB / KAK
Sample : 0F29028-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 6/30/2020

Clean

Integration File: PCB1.e
Quant Time: Jun 30 08:37:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.880	15035711	105.862	ng/ml	
64) S	DCBP (S)	9.678	14177895	113.532	ng/ml	Q-41
	Target Compounds					
2)	Aroclor 1016 (1)	5.782	618	0.129	ng/ml	
3)	Aroclor 1016 (2)	6.199	1837	0.182	ng/ml	
4)	Aroclor 1016 (3)	6.294	1395	0.259	ng/ml	
5)	Aroclor 1016 (4)	6.447	1097	0.275	ng/ml	
6)	Aroclor 1016 (5)	6.684	978	0.190	ng/ml	
7)	Aroclor 1016 (6)	6.804	962	0.254	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.233	294793	169.587	ng/ml	
10)	Aroclor 1221 (2)	5.379	1331	1.196	ng/ml	
11)	Aroclor 1221 (3)	5.427	6444	1.780	ng/ml	
12)	Aroclor 1221 (4)	5.899	1223	2.088	ng/ml	
13)	Aroclor 1221 (5)	6.199	1837	2.623	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.427	6444	2.125	ng/ml	
16)	Aroclor 1232 (2)	6.199	1837	0.467	ng/ml	
17)	Aroclor 1232 (3)	6.294	1395	0.640	ng/ml	
18)	Aroclor 1232 (4)	6.447	1097	0.851	ng/ml	
19)	Aroclor 1232 (5)	6.684	978	0.535	ng/ml	
20)	Aroclor 1232 (6)	6.804	962	0.625	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.782	618	0.177	ng/ml	
23)	Aroclor 1242 (2)	6.199	1837	0.245	ng/ml	
24)	Aroclor 1242 (3)	6.294	1395	0.351	ng/ml	
25)	Aroclor 1242 (4)	6.447	1097	0.419	ng/ml	
26)	Aroclor 1242 (5)	6.684	978	0.261	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F033.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:34
Operator : MJB / KAK
Sample : 0F29028-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:37:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.804	962	0.293 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.199	1837	0.397 ng/ml
30)	Aroclor 1248 (2)	6.447	1097	0.219 ng/ml
31)	Aroclor 1248 (3)	6.684	978	0.160 ng/ml
32)	Aroclor 1248 (4)	6.965	502	0.069 ng/ml
33)	Aroclor 1248 (5)	7.020	3731	0.474 ng/ml
34)	Aroclor 1248 (6)	7.495	9495	2.414 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.988	1736	0.246 ng/ml
37)	Aroclor 1254 (2)	7.115	6593	0.772 ng/ml
38)	Aroclor 1254 (3)	7.495	9495	0.701 ng/ml
39)	Aroclor 1254 (4)	7.649	15176	1.639 ng/ml
40)	Aroclor 1254 (5)	8.033	5156	0.558 ng/ml
41)	Aroclor 1254 (6)	8.334	2270	0.756 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.606	12287	1.280 ng/ml
44)	Aroclor 1260 (2)	7.739	9377	0.791 ng/ml
45)	Aroclor 1260 (3)	8.292	2943	0.317 ng/ml
46)	Aroclor 1260 (4)	8.464	12238	0.560 ng/ml
47)	Aroclor 1260 (5)	8.766	9281	0.646 ng/ml
48)	Aroclor 1260 (6)	9.165	18763	3.157 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.739	9377	1.034 ng/ml
51)	Aroclor 1262 (2)	8.060	3385	0.266 ng/ml
52)	Aroclor 1262 (3)	8.292	2943	0.264 ng/ml
53)	Aroclor 1262 (4)	8.464	12238	0.512 ng/ml
54)	Aroclor 1262 (5)	8.766	9281	0.641 ng/ml
55)	Aroclor 1262 (6)	9.165	18763	2.457 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.292	2943	0.516 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F033.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:34
Operator : MJB / KAK
Sample : 0F29028-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:37:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.717	6049	0.218 ng/ml
59)	Aroclor 1268 (3)	8.766	9281	0.394 ng/ml
60)	Aroclor 1268 (4)	8.946	56680	2.631 ng/ml
61)	Aroclor 1268 (5)	9.165	18763	2.223 ng/ml
62)	Aroclor 1268 (6)	9.431	55519	0.861 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

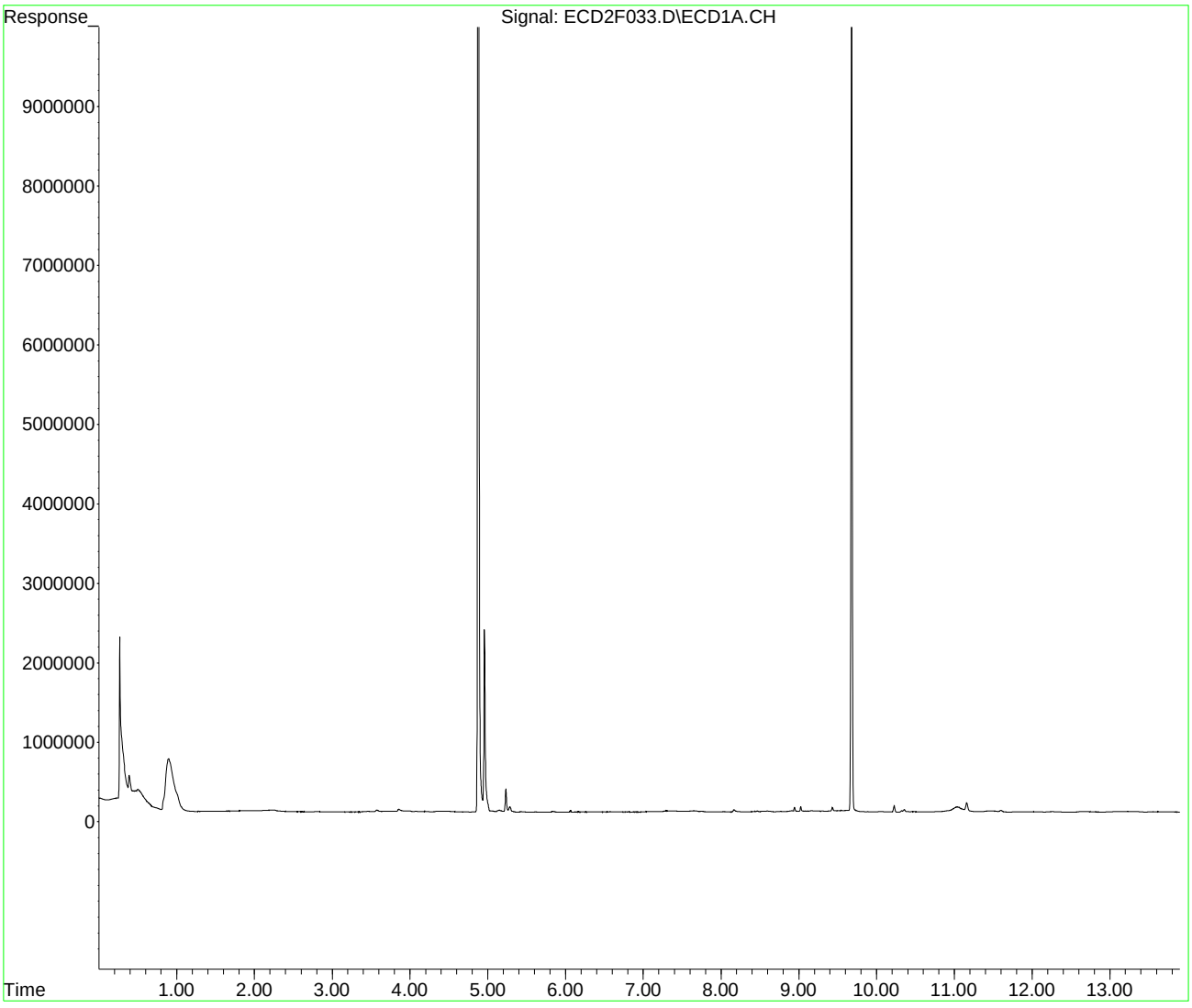
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F29028\
Data File : ECD2F033.D
Signal(s) : ECD1A.CH
Acq On : 29 Jun 2020 16:34
Operator : MJB / KAK
Sample : 0F29028-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 30 08:37:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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

Batch 0070021
Sequence 0G06059 (A0F0667-01RE2)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0070021 (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
	0070021-BLK1		QC	07/01/20 10:28	30	2				100					
	0070021-BSD1		QC	07/01/20 12:09	30	2	A20F380		100	100					
	0070021-BS1		QC	07/01/20 10:28	30	2	A20F380		100	100					
	A0F0667-01RE1	A	8082 PCBs - Low Level (30g/2mL)	07/01/20 10:28	20.16	2				100	PDI-063SC-A-06-07-200429	Low Surrogate. Added 6/30/2020 By KAK			
	A0F0667-01RE2	A	8082 PCBs - Low Level (30g/2mL)	07/01/20 10:28	20.16	2				100	PDI-063SC-A-06-07-200429	Added 7/6/2020 By KAK			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F071	03/02/25	Copper, Granular Lot# 027040-BL

Analyte Spike(s)

Std ID	Exp. Date	Description
A20F380	11/06/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20F086	10/14/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: Date

Reviewed By: 7/7/20 Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0070021 (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
	0070021-BLK1		QC	07/01/20 10:28	30	2				100					
	0070021-BSD1		QC	07/01/20 12:09	30	2	A20F380		100	100					
	0070021-BS1		QC	07/01/20 10:28	30	2	A20F380		100	100					
1/2	A0F0667-01RE1	A	8082 PCBs - Low Level (30g/2mL)	07/01/20 10:28	30 20.16	2 ✓				100	PDI-063SC-A-06-07-200429	Low Surrogate. Added 6/30/2020 By KAK			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F071	03/02/25	Copper, Granular Lot# 027040-BL

Analyte Spike(s)

Std ID	Exp. Date	Description
A20F380	11/06/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20F086	10/14/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: 7/1/20 Date

07-01-20

Reviewed By: SCG 07/01/2020 Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0070021 (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 8 thru 9	pH >11
	0070021-BLK1		QC	07/01/20 10:28	30	2				100					
1/2	0070021-BSD1		QC	07/01/20 12:09	30	2 ✓	A20F380		100	100					
~~1/2~~	~~0070021-BS1~~		~~QC~~	~~07/01/20 10:28~~	~~30~~	~~2~~	~~A20F380~~		~~100~~	~~100~~					
3/4	~~A0F0667-01RE1~~	A	~~8082 PCBs Low Level (30g/2mL)~~	07/01/20 10:28	~~30~~ 20.63	2				100	PDI-063SC-A-06-07-200429	Low Surrogate. Added 6/30/2020 By KAK Mud # D			

Standards/Reagents 7/1/20

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F071	03/02/25	Copper, Granular Lot# 027040-BL

Analyte Spike(s)

Std ID	Exp. Date	Description
A20F380	11/06/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20F086	10/14/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness: AJJ 7-1-20

= non standard QC and reduced mass due to dryout.

D = Dryout

Prepared By: 7/1/20 Date

Reviewed By: SCG 07/01/2020 Date

07-01-20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0070021 (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
6/7	0070021-BLK1		QC	07/01/20 10:28	30	2 ✓				100					
8/9	0070021-BS1		QC	07/01/20 10:28	30	2 ✓	A20F380		100	100					
10/11	A0F0667-01RE1	A	8082 PCBs - Low Level (30g/2mL)	07/01/20 10:28	30 30.12	2				100	PDI-063SC-A-06-07-200429	Low Surrogate. Added 6/30/2020 By KAK D			
12/13	0070021-DUP1		QC	07/01/20 10:28	30 30.19	2		A0F0667-01RE1		100		D			
14/15	0070021-MS1		QC	07/01/20 10:28	30 30.33	2	A20F380	A0F0667-01RE1	100	100		D			

Cwk 7/1/20

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F071	03/02/25	Copper, Granular Lot# 027040-BL

Analyte Spike(s)

Std ID	Exp. Date	Description
A20F380	11/06/20	8082 PCB Matrix Spike

Cwk

Surrogate(s)

Std ID	Exp. Date	Description
A20F086	10/14/20	8082 PCB Surrogate Spike

Cwk

Method 3546 digestion time and temperture achieved.
Initial: Cwk

Witness: AJJ 7-1-20

D = Dryout to be re-extracted.

Prepared By: Cwk Date 7/1/20

Reviewed By: SLG Date 07/01/2020

cwn 07-01-20

Printed: 7/1/2020 10:30:04AM

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0G06059	Instrument:	DUALECD2R
Date:	**07/06/20 14:15**	Calibration:	**A0F3005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0G06059-CCV1	Sediment	QC	QC				A20F129
2	0G06059-CCB1	Sediment	QC	QC				A20F379
3	0070021-BLK2	Sediment	QC	QC		0070021		
4	A0F0667-01RE2	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0070021		
5	0G06059-IBL1	Sediment	QC	QC				
6	0G06059-IBL2	Sediment	QC	QC				
7	A0G0043-07	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/08/20	0070081		
8	0G06059-IBL3	Sediment	QC	QC				
9	A0G0043-08	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/08/20	0070081		
10	0G06059-IBL4	Sediment	QC	QC				
11	A0G0043-11	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/08/20	0070081		
12	0G06059-IBL5	Sediment	QC	QC				
13	0G06059-CCV2	Sediment	QC	QC				A20F129
14	0G06059-CCB2	Sediment	QC	QC				A20F379
15	A0G0043-12	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/08/20	0070081		
16	0G06059-IBL6	Sediment	QC	QC				
17	A0G0043-13	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/08/20	0070081		
18	0G06059-IBL7	Sediment	QC	QC				
19	A0G0074-10	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/09/20	0070081		
20	0G06059-IBL8	Sediment	QC	QC				
21	0070081-MS1	Sediment	QC	QC		0070081		
22	0G06059-IBL9	Sediment	QC	QC				
23	0G06059-CCV3	Sediment	QC	QC				A20F129
24	0G06059-CCB3	Sediment	QC	QC				A20F379
25	A0G0074-01	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/09/20	0070081		
26	0G06059-IBLA	Sediment	QC	QC				
27	A0G0074-04	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/09/20	0070081		
28	0G06059-IBLB	Sediment	QC	QC				
29	A0G0074-09	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/09/20	0070081		
30	0G06059-IBLC	Sediment	QC	QC				
31	A0G0074-05	Sediment	8082 PCBs - Low Level (2mL FV) +12		07/09/20	0070081		
32	0G06059-IBLD	Sediment	QC	QC				
33	0G06059-CCV4	Sediment	QC	QC				A20F129
34	0G06059-CCB4	Sediment	QC	QC				A20F379

Comments:

Data Entered By/Date: KAK 7/8/2020

Data Reviewed By/Date: MKZ 7/8/2020

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.

0G06059-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	462.50
1016 (1)	462.50
1016 (2)	483.17
1016 (2)	483.17
1016 (3)	481.47
1016 (3)	481.47
1016 (4)	450.66
1016 (4)	450.66
1016 (5)	469.75
1016 (5)	469.75
1016 (6)	463.16
1016 (6)	463.16
Average:	**468.45**

Aroclor 1260

Peak	Initial Res
1260 (1)	455.20
1260 (1)	455.20
1260 (2)	465.33
1260 (2)	465.33
1260 (3)	459.35
1260 (3)	459.35
1260 (4)	466.56
1260 (4)	466.56
1260 (5)	459.18
1260 (5)	459.18
1260 (6)	461.51
1260 (6)	461.51
Average:	**461.19**

0G06059-CCV2

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.

0G06059-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	502.58
1016 (1)	502.58
1016 (2)	506.14
1016 (2)	506.14
1016 (3)	512.52
1016 (3)	512.52
1016 (4)	482.96
1016 (4)	482.96
1016 (5)	500.42
1016 (5)	500.42
1016 (6)	495.28
1016 (6)	495.28
Average:	**499.98**

Aroclor 1260

Peak	Initial Res
1260 (1)	490.82
1260 (1)	490.82
1260 (2)	487.90
1260 (2)	487.90
1260 (3)	511.17
1260 (3)	511.17
1260 (4)	502.03
1260 (4)	502.03
1260 (5)	518.58
1260 (5)	518.58
1260 (6)	493.86
1260 (6)	493.86
Average:	**500.73**

0070081-MS1

Aroclor 1016

Peak	Initial Res
1016 (1)	743.11
1016 (2)	919.14
1016 (3)	773.89
1016 (4)	916.72
1016 (5)	906.23
1016 (6)	776.69
Average:	**839.30**

TOTAL AROCLOR AVERAGE RESULTS

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

0070081-MS1

Aroclor 1260

Peak	Initial Res
1260 (1)	1,068.64
1260 (2)	1,091.94
1260 (3)	1,072.92
1260 (4)	1,202.84
1260 (5)	1,108.04
1260 (6)	1,086.86
Average:	**1,105.21**

0G06059-CCV3

Aroclor 1016

Peak	Initial Res
1016 (1)	546.65
1016 (2)	509.16
1016 (3)	554.96
1016 (4)	539.98
1016 (5)	556.83
1016 (6)	545.87
Average:	**542.24**

Aroclor 1260

Peak	Initial Res
1260 (1)	556.49
1260 (2)	551.00
1260 (3)	575.30
1260 (4)	572.34
1260 (5)	577.66
1260 (6)	556.73
Average:	**564.92**

0G06059-CCV4

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.

0G06059-CCV4

Aroclor 1016

Peak	Initial Res
1016 (1)	629.47
1016 (2)	576.30
1016 (3)	669.00
1016 (4)	661.69
1016 (5)	654.27
1016 (6)	659.28
Average:	**641.67**

Aroclor 1260

Peak	Initial Res
1260 (1)	673.82
1260 (2)	699.32
1260 (3)	675.76
1260 (4)	683.23
1260 (5)	675.42
1260 (6)	670.65
Average:	**679.70**

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 2:45 pm
Operator : MJB / KAK
Sample : 0G06059-CCV1 KAK 7/8/2020
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:49:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	86524080	307.602	ng/ml
64) S	DCBP (S)	10.636	41067366	283.749	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.352	4611624	462.497	ng/ml
3)	Aroclor 1016 (2)	6.840	7960729	483.167	ng/ml
4)	Aroclor 1016 (3)	6.966	4033690	481.475	ng/ml
5)	Aroclor 1016 (4)	7.053	3690458	450.658	ng/ml ✓
6)	Aroclor 1016 (5)	7.099	4271427	469.754	ng/ml
7)	Aroclor 1016 (6)	7.224	4233705	463.161	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.854	316618	131.899	ng/ml
10)	Aroclor 1221 (2)	5.928	616520	266.196	ng/ml
11)	Aroclor 1221 (3)	6.015	2884280	379.790	ng/ml
12)	Aroclor 1221 (4)	6.525	2810928	1814.377	ng/ml
13)	Aroclor 1221 (5)	6.840	7960729	6844.824	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.015	2884280	473.812	ng/ml
16)	Aroclor 1232 (2)	6.352	4611624	1183.127	ng/ml
17)	Aroclor 1232 (3)	6.840	7960729	1261.649	ng/ml
18)	Aroclor 1232 (4)	7.053	3690458	1427.943	ng/ml
19)	Aroclor 1232 (5)	7.099	4271427	1384.502	ng/ml
20)	Aroclor 1232 (6)	7.224	4233705	1356.972	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.352	4611624	659.095	ng/ml
23)	Aroclor 1242 (2)	6.840	7960729	659.120	ng/ml
24)	Aroclor 1242 (3)	6.966	4033690	685.909	ng/ml
25)	Aroclor 1242 (4)	7.053	3690458	696.252	ng/ml
26)	Aroclor 1242 (5)	7.099	4271427	671.051	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 2:45 pm
Operator : MJB / KAK
Sample : 0G06059-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:49:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.224	4233705	675.460	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.813	7162758	904.788	ng/ml	
30)	Aroclor 1248 (2)	7.053	3690458	375.691	ng/ml	
31)	Aroclor 1248 (3)	7.099	4271427	461.142	ng/ml	
32)	Aroclor 1248 (4)	7.224	4233705	383.143	ng/ml	
33)	Aroclor 1248 (5)	7.588	931397	68.197	ng/ml	
34)	Aroclor 1248 (6)	7.748	3232358	288.687	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.567	2894549	219.670	ng/ml	
37)	Aroclor 1254 (2)	7.748	3232358	158.711	ng/ml	
38)	Aroclor 1254 (3)	8.058	1894902	85.276	ng/ml	
39)	Aroclor 1254 (4)	8.296	1259037	75.231	ng/ml	
40)	Aroclor 1254 (5)	8.632	9658403	585.600	ng/ml	
41)	Aroclor 1254 (6)	8.851	1508820	292.462	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.195	7765106	455.202	ng/ml	
44)	Aroclor 1260 (2)	8.400	9748074	465.328	ng/ml	
45)	Aroclor 1260 (3)	8.632	9658403	459.347	ng/ml	
46)	Aroclor 1260 (4)	9.120	15426841	466.559	ng/ml	✓
47)	Aroclor 1260 (5)	9.383	8725064	459.181	ng/ml	
48)	Aroclor 1260 (6)	9.957	3588611	461.509	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.400	9748074	645.714	ng/ml	
51)	Aroclor 1262 (2)	8.702	7103628	332.053	ng/ml	
52)	Aroclor 1262 (3)	8.880	6906602	411.752	ng/ml	
53)	Aroclor 1262 (4)	9.120	15426841	423.230	ng/ml	
54)	Aroclor 1262 (5)	9.383	8725064	413.146	ng/ml	
55)	Aroclor 1262 (6)	9.957	3588611	361.400	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.922	537043	57.411	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 2:45 pm
Operator : MJB / KAK
Sample : 0G06059-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:49:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.383	8725064	222.254	ng/ml
59)	Aroclor 1268 (3)	9.449	3561720	110.144	ng/ml
60)	Aroclor 1268 (4)	9.670	219191	8.142	ng/ml
61)	Aroclor 1268 (5)	9.957	3588611	330.874	ng/ml
62)	Aroclor 1268 (6)	10.316	855839	11.892	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

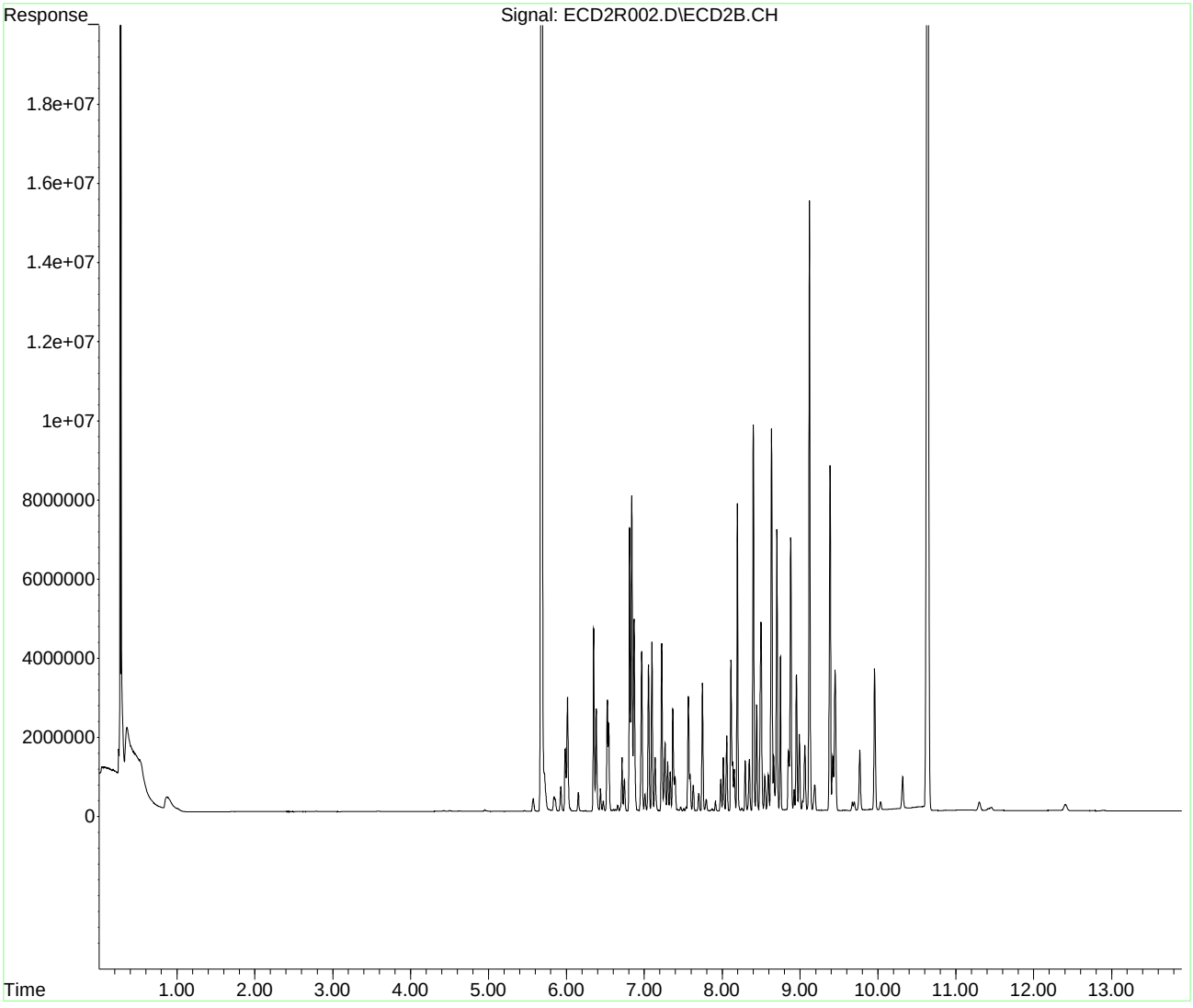
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 2:45 pm
Operator : MJB / KAK
Sample : 0G06059-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:49:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06059\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:02 pm
Operator : MJB / KAK
Sample : 0G06059-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 7/8/2020

Clean

Integration File: events.e
Quant Time: Jul 08 10:50:45 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.680	32385352	115.133	ng/ml
64)	S DCBP (S)	10.635	15551228	107.449	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.354	4082	0.409	ng/ml
3)	Aroclor 1016 (2)	6.855	3684	0.224	ng/ml
4)	Aroclor 1016 (3)	6.970	3744	0.447	ng/ml
5)	Aroclor 1016 (4)	7.058	3054	0.373	ng/ml
6)	Aroclor 1016 (5)	7.100	2994	0.329	ng/ml
7)	Aroclor 1016 (6)	7.227	2999	0.328	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.856	7458	3.107	ng/ml
10)	Aroclor 1221 (2)	5.934	4518	1.951	ng/ml
11)	Aroclor 1221 (3)	5.986	635355	83.661	ng/ml
12)	Aroclor 1221 (4)	6.531	5281	3.409	ng/ml
13)	Aroclor 1221 (5)	6.855	3684	3.168	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.986	635355	104.372	ng/ml
16)	Aroclor 1232 (2)	6.354	4082	1.047	ng/ml
17)	Aroclor 1232 (3)	6.855	3684	0.584	ng/ml
18)	Aroclor 1232 (4)	7.058	3054	1.182	ng/ml
19)	Aroclor 1232 (5)	7.100	2994	0.971	ng/ml
20)	Aroclor 1232 (6)	7.227	2999	0.961	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.354	4082	0.583	ng/ml
23)	Aroclor 1242 (2)	6.855	3684	0.305	ng/ml
24)	Aroclor 1242 (3)	6.970	3744	0.637	ng/ml
25)	Aroclor 1242 (4)	7.058	3054	0.576	ng/ml
26)	Aroclor 1242 (5)	7.100	2994	0.470	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:02 pm
Operator : MJB / KAK
Sample : 0G06059-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:50:45 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.227	2999	0.478 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.813	4520	0.571 ng/ml
30)	Aroclor 1248 (2)	7.058	3054	0.311 ng/ml
31)	Aroclor 1248 (3)	7.100	2994	0.323 ng/ml
32)	Aroclor 1248 (4)	7.227	2999	0.271 ng/ml
33)	Aroclor 1248 (5)	7.598	9527	0.698 ng/ml
34)	Aroclor 1248 (6)	7.752	10576	0.945 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.545	437	0.033 ng/ml
37)	Aroclor 1254 (2)	7.752	10576	0.519 ng/ml
38)	Aroclor 1254 (3)	8.058	3764	0.169 ng/ml
39)	Aroclor 1254 (4)	8.285	3404	0.203 ng/ml
40)	Aroclor 1254 (5)	8.631	6356	0.385 ng/ml
41)	Aroclor 1254 (6)	8.850	5114	0.991 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.194	4044	0.237 ng/ml
44)	Aroclor 1260 (2)	8.403	5524	0.264 ng/ml
45)	Aroclor 1260 (3)	8.631	6356	0.302 ng/ml
46)	Aroclor 1260 (4)	9.120	4189	0.127 ng/ml
47)	Aroclor 1260 (5)	9.380	3924	0.207 ng/ml
48)	Aroclor 1260 (6)	9.955	13361	1.718 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.403	5524	0.366 ng/ml
51)	Aroclor 1262 (2)	8.701	6587	0.308 ng/ml
52)	Aroclor 1262 (3)	8.886	25327	1.510 ng/ml
53)	Aroclor 1262 (4)	9.120	4189	0.115 ng/ml
54)	Aroclor 1262 (5)	9.380	3924	0.186 ng/ml
55)	Aroclor 1262 (6)	9.955	13361	1.346 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.942	5351	0.572 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:02 pm
Operator : MJB / KAK
Sample : 0G06059-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:50:45 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.380	3924	0.100 ng/ml
59)	Aroclor 1268 (3)	9.449	3514	0.109 ng/ml
60)	Aroclor 1268 (4)	9.670	42332	1.573 ng/ml
61)	Aroclor 1268 (5)	9.955	13361	1.232 ng/ml
62)	Aroclor 1268 (6)	10.316	64466	0.896 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

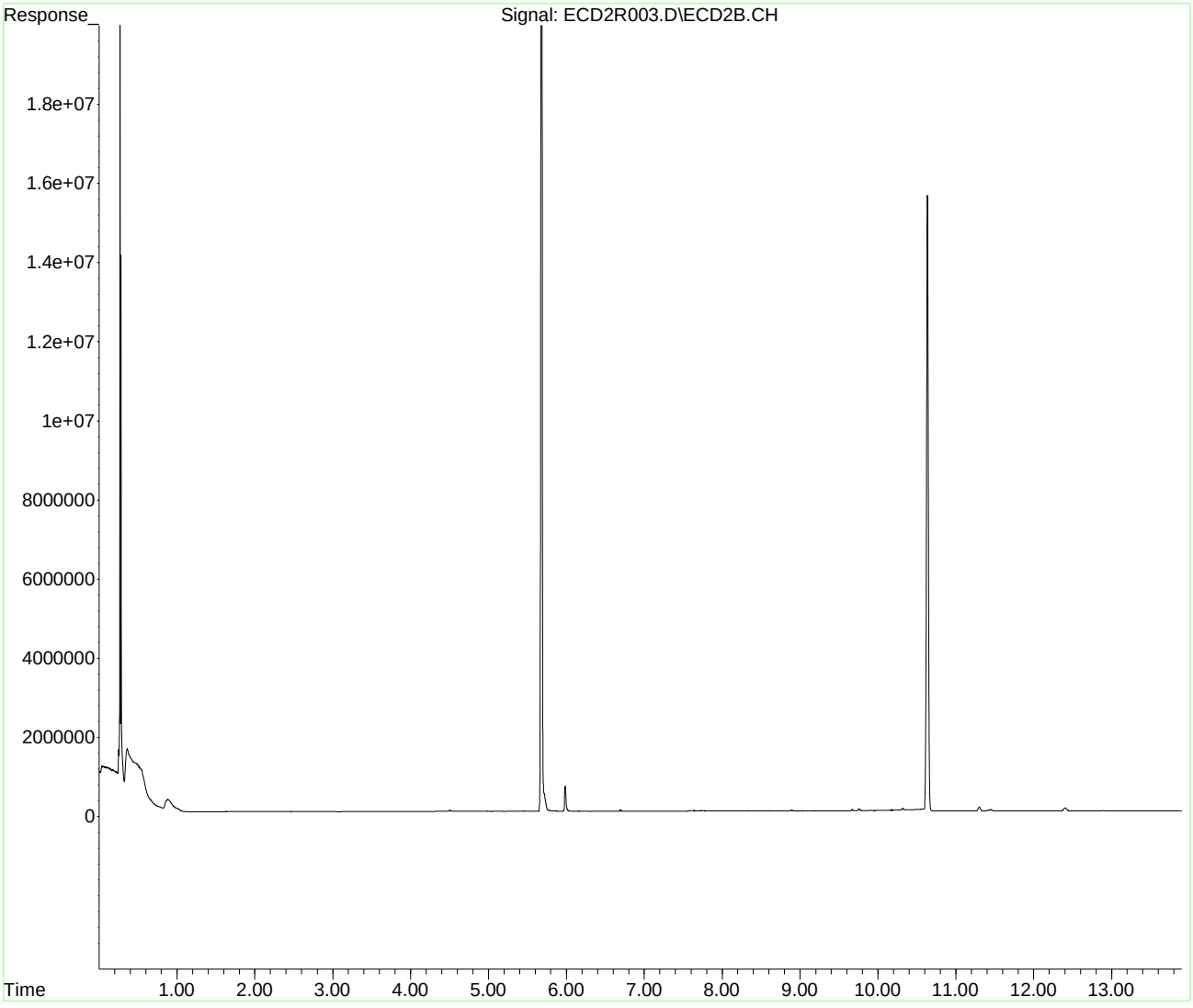
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:02 pm
Operator : MJB / KAK
Sample : 0G06059-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:50:45 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06059\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:20 pm
Operator : MJB / KAK
Sample : 0070021-BLK2
Misc :
ALS Vial : 54 Sample Multiplier: 1

KAK 7/8/2020

Integration File: events.e
Quant Time: Jul 08 10:51:50 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.680	64393303	228.925	ng/ml
64) S	DCBP (S)	10.635	38774951	267.910	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.351	15713	1.576	ng/ml
3)	Aroclor 1016 (2)	6.837	16421	0.997	ng/ml
4)	Aroclor 1016 (3)	6.962	15811	1.887	ng/ml
5)	Aroclor 1016 (4)	7.052	37729	4.607	ng/ml
6)	Aroclor 1016 (5)	7.098	22429	2.467	ng/ml
7)	Aroclor 1016 (6)	7.222	30286	3.313	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.870	21505	8.959	ng/ml
10)	Aroclor 1221 (2)	5.925	17641	7.617	ng/ml
11)	Aroclor 1221 (3)	5.986	1215964	160.113	ng/ml
12)	Aroclor 1221 (4)	6.518	16756	10.815	ng/ml
13)	Aroclor 1221 (5)	6.837	16421	14.119	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.986	1215964	199.751	ng/ml
16)	Aroclor 1232 (2)	6.351	15713	4.031	ng/ml
17)	Aroclor 1232 (3)	6.837	16421	2.602	ng/ml
18)	Aroclor 1232 (4)	7.052	37729	14.598	ng/ml
19)	Aroclor 1232 (5)	7.098	22429	7.270	ng/ml
20)	Aroclor 1232 (6)	7.222	30286	9.707	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.351	15713	2.246	ng/ml
23)	Aroclor 1242 (2)	6.837	16421	1.360	ng/ml
24)	Aroclor 1242 (3)	6.962	15811	2.689	ng/ml
25)	Aroclor 1242 (4)	7.052	37729	7.118	ng/ml
26)	Aroclor 1242 (5)	7.098	22429	3.524	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:20 pm
Operator : MJB / KAK
Sample : 0070021-BLK2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:51:50 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.222	30286	4.832	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.810	18347	2.318	ng/ml	
30)	Aroclor 1248 (2)	7.052	37729	3.841	ng/ml	
31)	Aroclor 1248 (3)	7.098	22429	2.421	ng/ml	
32)	Aroclor 1248 (4)	7.222	30286	2.741	ng/ml	
33)	Aroclor 1248 (5)	7.587	39849	2.918	ng/ml	
34)	Aroclor 1248 (6)	7.747	84375	7.536	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.565	66423	5.041	ng/ml	
37)	Aroclor 1254 (2)	7.747	84375	4.143	ng/ml	
38)	Aroclor 1254 (3)	8.056	59237	2.666	ng/ml	
39)	Aroclor 1254 (4)	8.295	34682	2.072	ng/ml	<MDL
40)	Aroclor 1254 (5)	8.630	19604	1.189	ng/ml	
41)	Aroclor 1254 (6)	8.859	9564	1.854	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.193	25235	1.479	ng/ml	
44)	Aroclor 1260 (2)	8.399	18644	0.890	ng/ml	
45)	Aroclor 1260 (3)	8.630	19604	0.932	ng/ml	
46)	Aroclor 1260 (4)	9.117	10059	0.304	ng/ml	
47)	Aroclor 1260 (5)	9.381	8600	0.453	ng/ml	
48)	Aroclor 1260 (6)	9.959	20721	2.665	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.399	18644	1.235	ng/ml	
51)	Aroclor 1262 (2)	8.701	6763	0.316	ng/ml	
52)	Aroclor 1262 (3)	8.877	9437	0.563	ng/ml	
53)	Aroclor 1262 (4)	9.117	10059	0.276	ng/ml	
54)	Aroclor 1262 (5)	9.381	8600	0.407	ng/ml	
55)	Aroclor 1262 (6)	9.959	20721	2.087	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.921	6750	0.722	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:20 pm
Operator : MJB / KAK
Sample : 0070021-BLK2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:51:50 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.381	8600	0.219 ng/ml
59)	Aroclor 1268 (3)	9.447	6872	0.213 ng/ml
60)	Aroclor 1268 (4)	9.669	71169	2.644 ng/ml
61)	Aroclor 1268 (5)	9.959	20721	1.911 ng/ml
62)	Aroclor 1268 (6)	10.317	91881	1.277 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

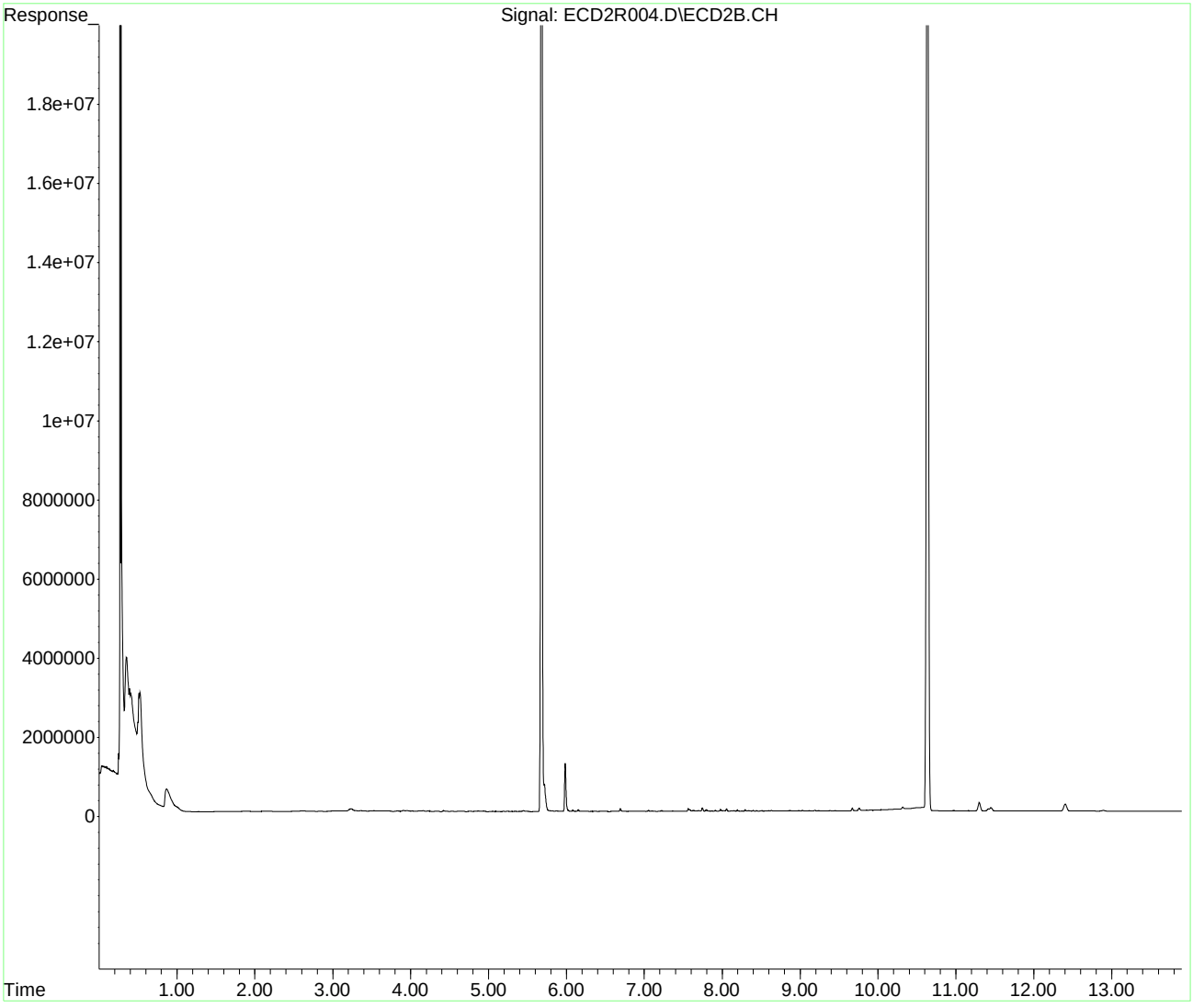
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:20 pm
Operator : MJB / KAK
Sample : 0070021-BLK2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:51:50 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

KAK 7/8/2020

Integration File: events.e
Quant Time: Jul 08 10:56:54 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.687	28791811	102.358	ng/ml	
64) S	DCBP (S)	10.639	14797756	102.243	ng/ml	S-03
	Target Compounds					
2)	Aroclor 1016 (1)	6.337	19565	1.962	ng/ml	
3)	Aroclor 1016 (2)	6.846	38003	2.307	ng/ml	
4)	Aroclor 1016 (3)	6.976	60853	7.264	ng/ml	
5)	Aroclor 1016 (4)	7.075	127255	15.540	ng/ml	
6)	Aroclor 1016 (5)	7.104	104934	11.540	ng/ml	
7)	Aroclor 1016 (6)	7.226	35871	3.924	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.870	16412	6.837	ng/mlm	
10)	Aroclor 1221 (2)	5.918	4638	2.003	ng/mlm	
11)	Aroclor 1221 (3)	5.994	476643	62.762	ng/ml	
12)	Aroclor 1221 (4)	6.531	24860	16.047	ng/ml	
13)	Aroclor 1221 (5)	6.846	38003	32.676	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.994	476643	78.300	ng/ml	
16)	Aroclor 1232 (2)	6.337	19565	5.020	ng/ml	
17)	Aroclor 1232 (3)	6.846	38003	6.023	ng/ml	
18)	Aroclor 1232 (4)	7.075	127255	49.239	ng/ml	
19)	Aroclor 1232 (5)	7.104	104934	34.012	ng/ml	
20)	Aroclor 1232 (6)	7.226	35871	11.497	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.337	19565	2.796	ng/ml	
23)	Aroclor 1242 (2)	6.846	38003	3.147	ng/ml	
24)	Aroclor 1242 (3)	6.976	60853	10.348	ng/ml	
25)	Aroclor 1242 (4)	7.075	127255	24.008	ng/ml	
26)	Aroclor 1242 (5)	7.104	104934	16.485	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:56:54 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.226	35871	5.723	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.813	44974	5.681	ng/ml	
30)	Aroclor 1248 (2)	7.075	127255	12.955	ng/ml	
31)	Aroclor 1248 (3)	7.104	104934	11.329	ng/ml	
32)	Aroclor 1248 (4)	7.226	35871	3.246	ng/ml	
33)	Aroclor 1248 (5)	7.582	274425	20.093	ng/ml	
34)	Aroclor 1248 (6)	7.741	6883194	614.748	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.582	274425	20.826	ng/ml	
37)	Aroclor 1254 (2)	7.741	6883194	337.970	ng/ml	
38)	Aroclor 1254 (3)	8.048	47754090	2149.059	ng/ml	
39)	Aroclor 1254 (4)	8.301	116097	6.937	ng/ml	MDL=MRL
40)	Aroclor 1254 (5)	8.632	295223	17.900	ng/ml	
41)	Aroclor 1254 (6)	8.853	97432	18.886	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.207	2458743	144.135	ng/mlm	
44)	Aroclor 1260 (2)	8.395	821315	39.206	ng/mlm	
45)	Aroclor 1260 (3)	8.632	295223	14.041	ng/ml	
46)	Aroclor 1260 (4)	9.122	355514	10.752	ng/ml	MDL=MRL
47)	Aroclor 1260 (5)	9.383	276008	14.526	ng/ml	
48)	Aroclor 1260 (6)	9.960	90283	11.611	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.394	882216	58.438	ng/mlm	
51)	Aroclor 1262 (2)	8.703	199245	9.314	ng/ml	
52)	Aroclor 1262 (3)	8.883	202710	12.085	ng/ml	
53)	Aroclor 1262 (4)	9.122	355514	9.753	ng/ml	
54)	Aroclor 1262 (5)	9.383	276008	13.069	ng/ml	
55)	Aroclor 1262 (6)	9.960	90283	9.092	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.917	139204	14.881	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:56:54 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.383	276008	7.031 ng/ml
59)	Aroclor 1268 (3)	9.451	133717	4.135 ng/ml
60)	Aroclor 1268 (4)	9.674	100431	3.731 ng/ml
61)	Aroclor 1268 (5)	9.960	90283	8.324 ng/ml
62)	Aroclor 1268 (6)	10.318	106781	1.484 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

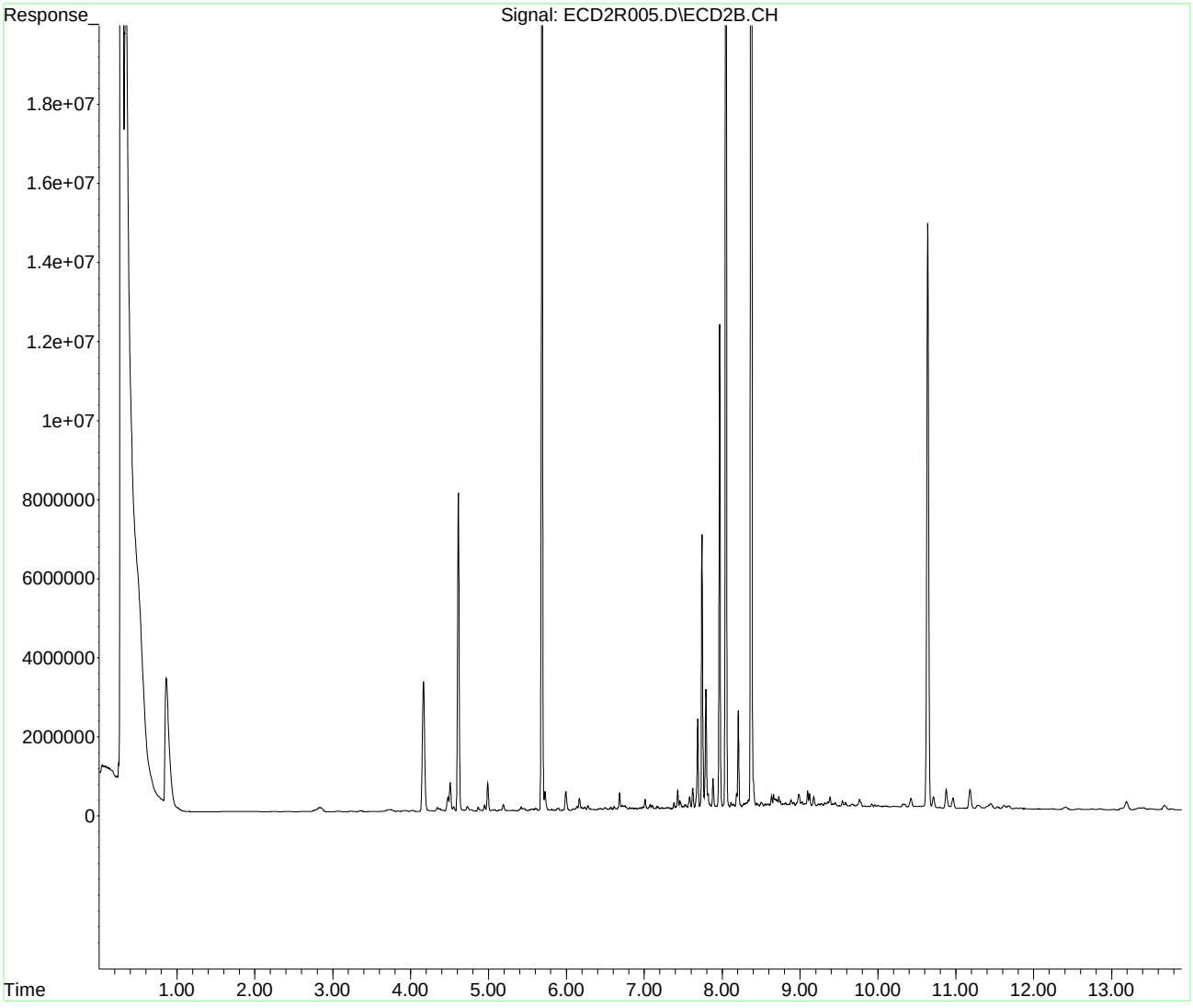
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:56:54 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

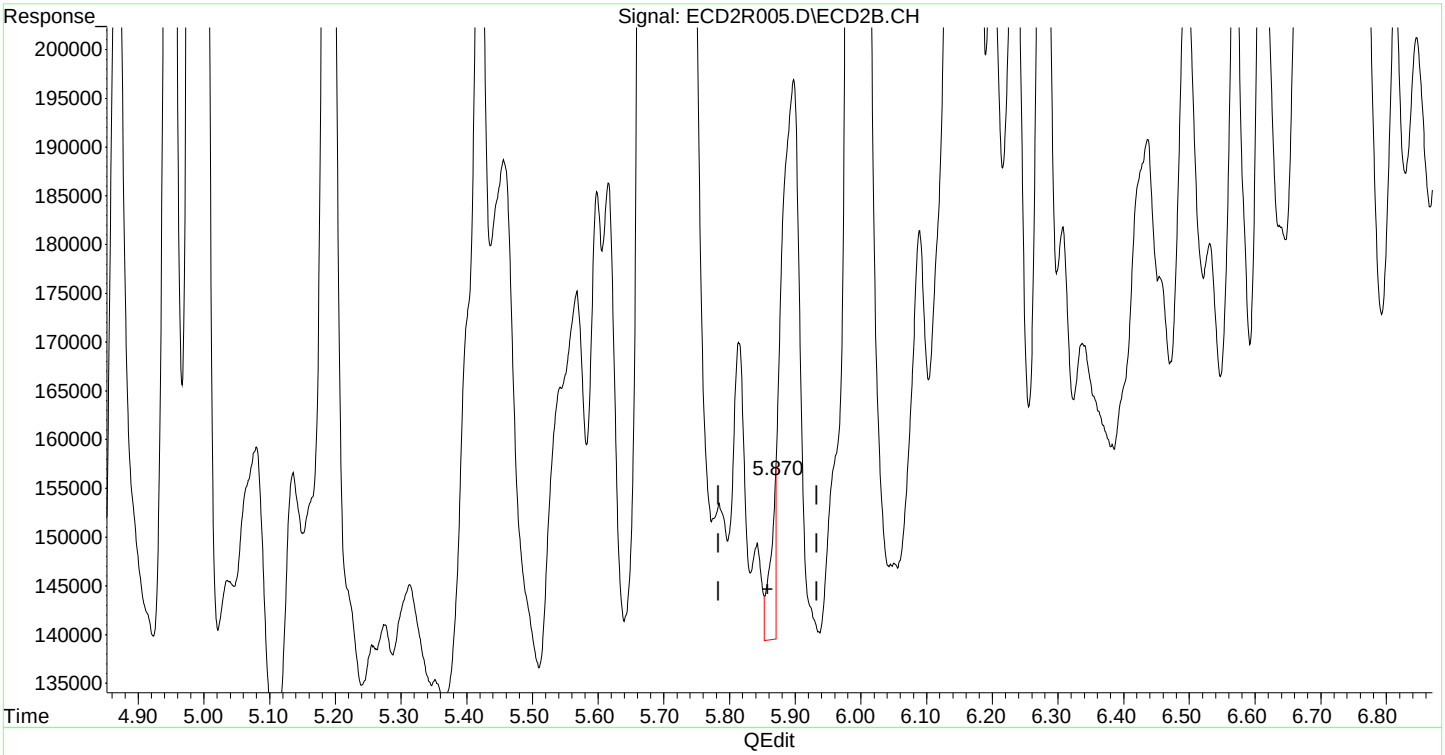


Quantitation Report (Qedit)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)
5.870min 6.837 ng/ml m KAK 7/8/2020
response 16412

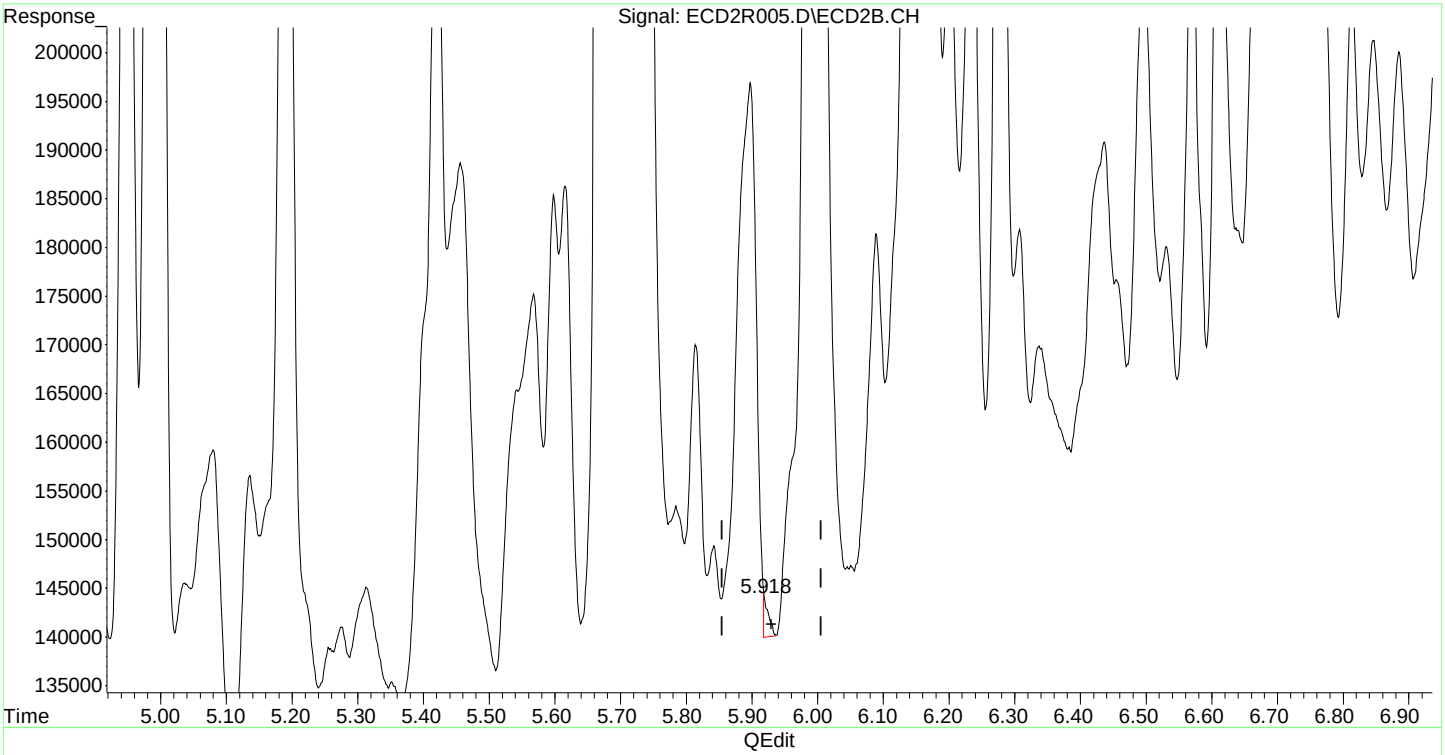
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)
5.918min 2.003 ng/ml m KAK 7/8/2020
response 4638

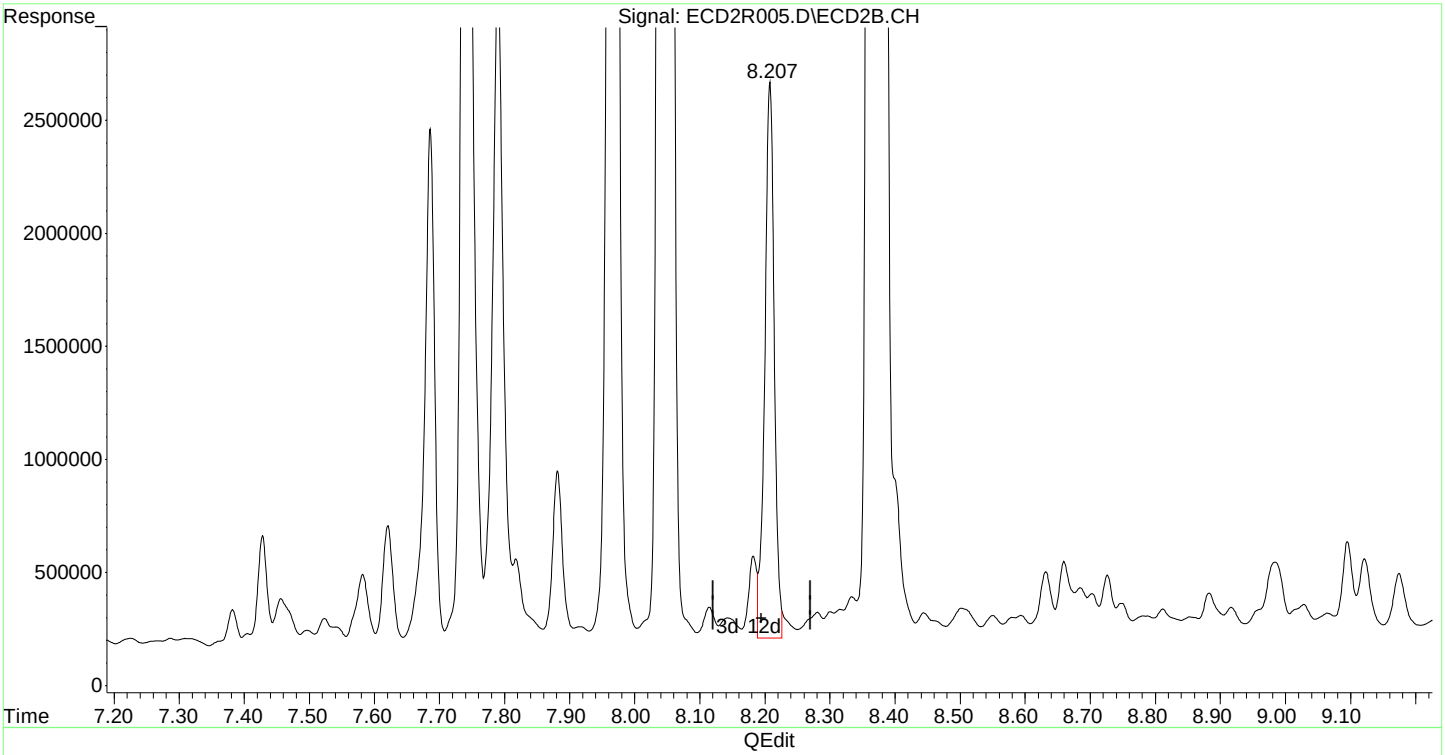
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(43) Aroclor 1260 (1)
8.207min 144.135 ng/ml m KAK 7/8/2020
response 2458743

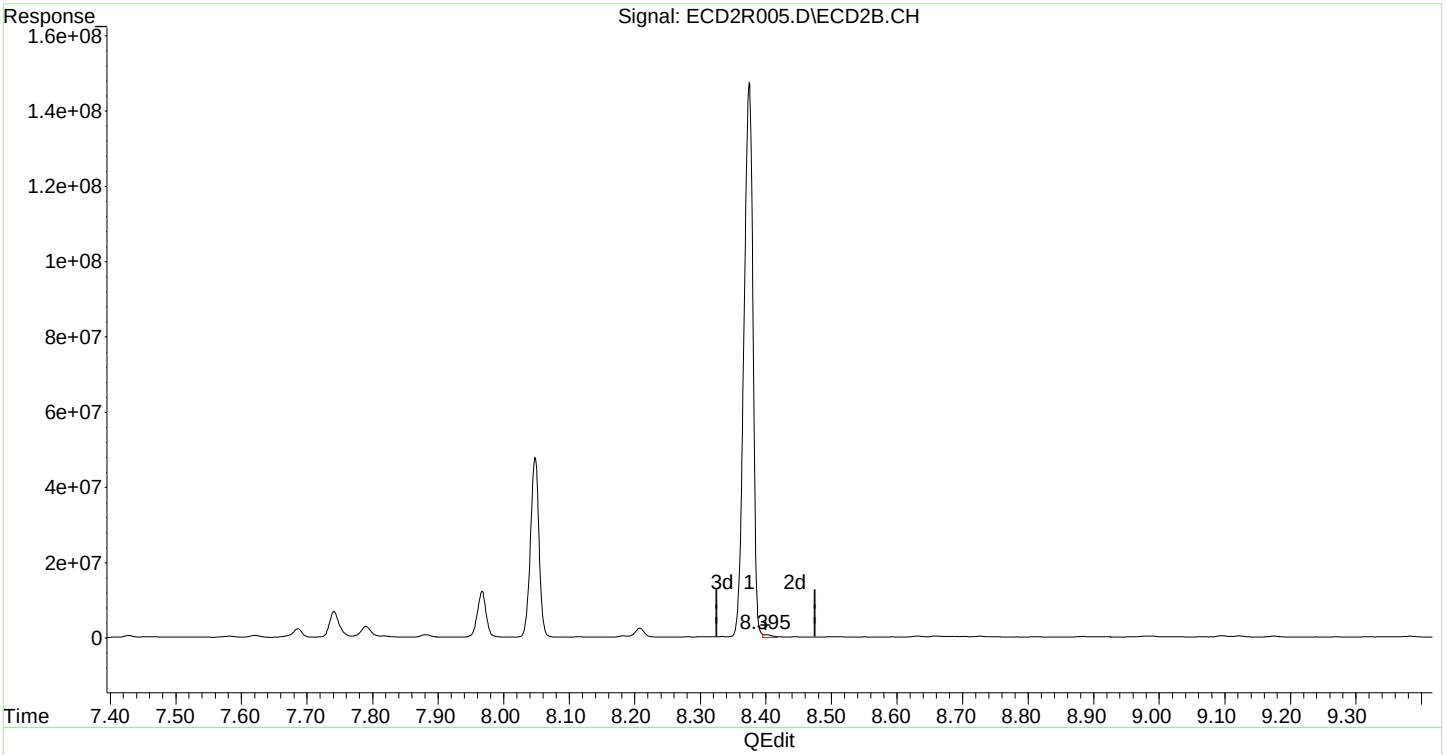
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(44) Aroclor 1260 (2)
8.395min 39.206 ng/ml m KAK 7/8/2020
response 821315

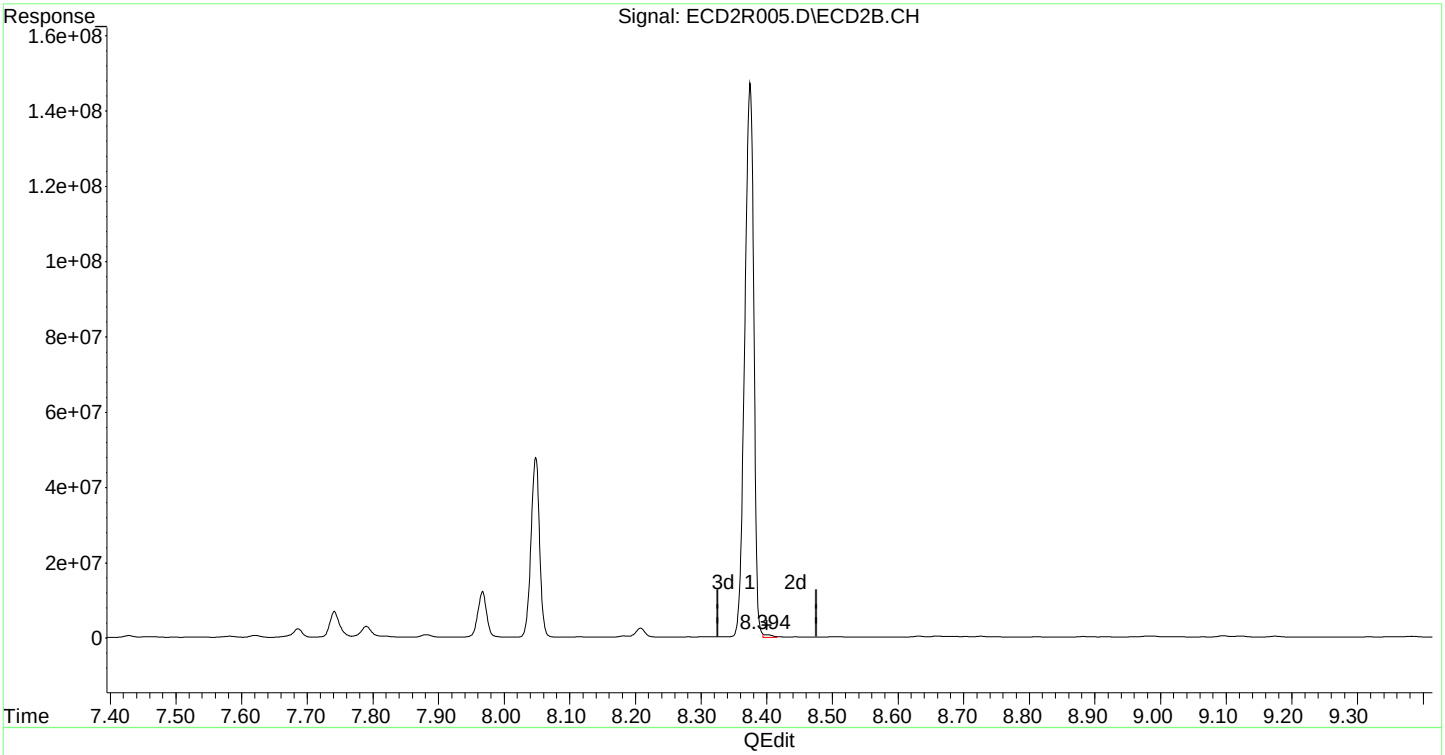
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(50) Aroclor 1262 (1)
8.394min 58.438 ng/ml m KAK 7/8/2020
response 882216

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

KAK 7/8/2020

Integration File: events.e MI
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.687	28791811	102.358	ng/ml
64)	S DCBP (S)	10.639	14797756	102.243	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.337	19565	1.962	ng/ml
3)	Aroclor 1016 (2)	6.846	38003	2.307	ng/ml
4)	Aroclor 1016 (3)	6.976	60853	7.264	ng/ml
5)	Aroclor 1016 (4)	7.075	127255	15.540	ng/ml
6)	Aroclor 1016 (5)	7.104	104934	11.540	ng/ml
7)	Aroclor 1016 (6)	7.226	35871	3.924	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.842	9918	4.132	ng/ml
10)	Aroclor 1221 (2)	5.898	57043	24.630	ng/ml
11)	Aroclor 1221 (3)	5.994	476643	62.762	ng/ml
12)	Aroclor 1221 (4)	6.531	24860	16.047	ng/ml
13)	Aroclor 1221 (5)	6.846	38003	32.676	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.994	476643	78.300	ng/ml
16)	Aroclor 1232 (2)	6.337	19565	5.020	ng/ml
17)	Aroclor 1232 (3)	6.846	38003	6.023	ng/ml
18)	Aroclor 1232 (4)	7.075	127255	49.239	ng/ml
19)	Aroclor 1232 (5)	7.104	104934	34.012	ng/ml
20)	Aroclor 1232 (6)	7.226	35871	11.497	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.337	19565	2.796	ng/ml
23)	Aroclor 1242 (2)	6.846	38003	3.147	ng/ml
24)	Aroclor 1242 (3)	6.976	60853	10.348	ng/ml
25)	Aroclor 1242 (4)	7.075	127255	24.008	ng/ml
26)	Aroclor 1242 (5)	7.104	104934	16.485	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.226	35871	5.723	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.813	44974	5.681	ng/ml
30)	Aroclor 1248 (2)	7.075	127255	12.955	ng/ml
31)	Aroclor 1248 (3)	7.104	104934	11.329	ng/ml
32)	Aroclor 1248 (4)	7.226	35871	3.246	ng/ml
33)	Aroclor 1248 (5)	7.582	274425	20.093	ng/ml
34)	Aroclor 1248 (6)	7.741	6883194	614.748	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.582	274425	20.826	ng/ml
37)	Aroclor 1254 (2)	7.741	6883194	337.970	ng/ml
38)	Aroclor 1254 (3)	8.048	47754090	2149.059	ng/ml
39)	Aroclor 1254 (4)	8.301	116097	6.937	ng/ml
40)	Aroclor 1254 (5)	8.632	295223	17.900	ng/ml
41)	Aroclor 1254 (6)	8.853	97432	18.886	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.182	361775	21.208	ng/ml
44)	Aroclor 1260 (2)	8.375	147569146	7044.270	ng/ml
45)	Aroclor 1260 (3)	8.632	295223	14.041	ng/ml
46)	Aroclor 1260 (4)	9.122	355514	10.752	ng/ml
47)	Aroclor 1260 (5)	9.383	276008	14.526	ng/ml
48)	Aroclor 1260 (6)	9.960	90283	11.611	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.375	147569146	9775.002	ng/ml
51)	Aroclor 1262 (2)	8.703	199245	9.314	ng/ml
52)	Aroclor 1262 (3)	8.883	202710	12.085	ng/ml
53)	Aroclor 1262 (4)	9.122	355514	9.753	ng/ml
54)	Aroclor 1262 (5)	9.383	276008	13.069	ng/ml
55)	Aroclor 1262 (6)	9.960	90283	9.092	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.917	139204	14.881	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.383	276008	7.031 ng/ml
59)	Aroclor 1268 (3)	9.451	133717	4.135 ng/ml
60)	Aroclor 1268 (4)	9.674	100431	3.731 ng/ml
61)	Aroclor 1268 (5)	9.960	90283	8.324 ng/ml
62)	Aroclor 1268 (6)	10.318	106781	1.484 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

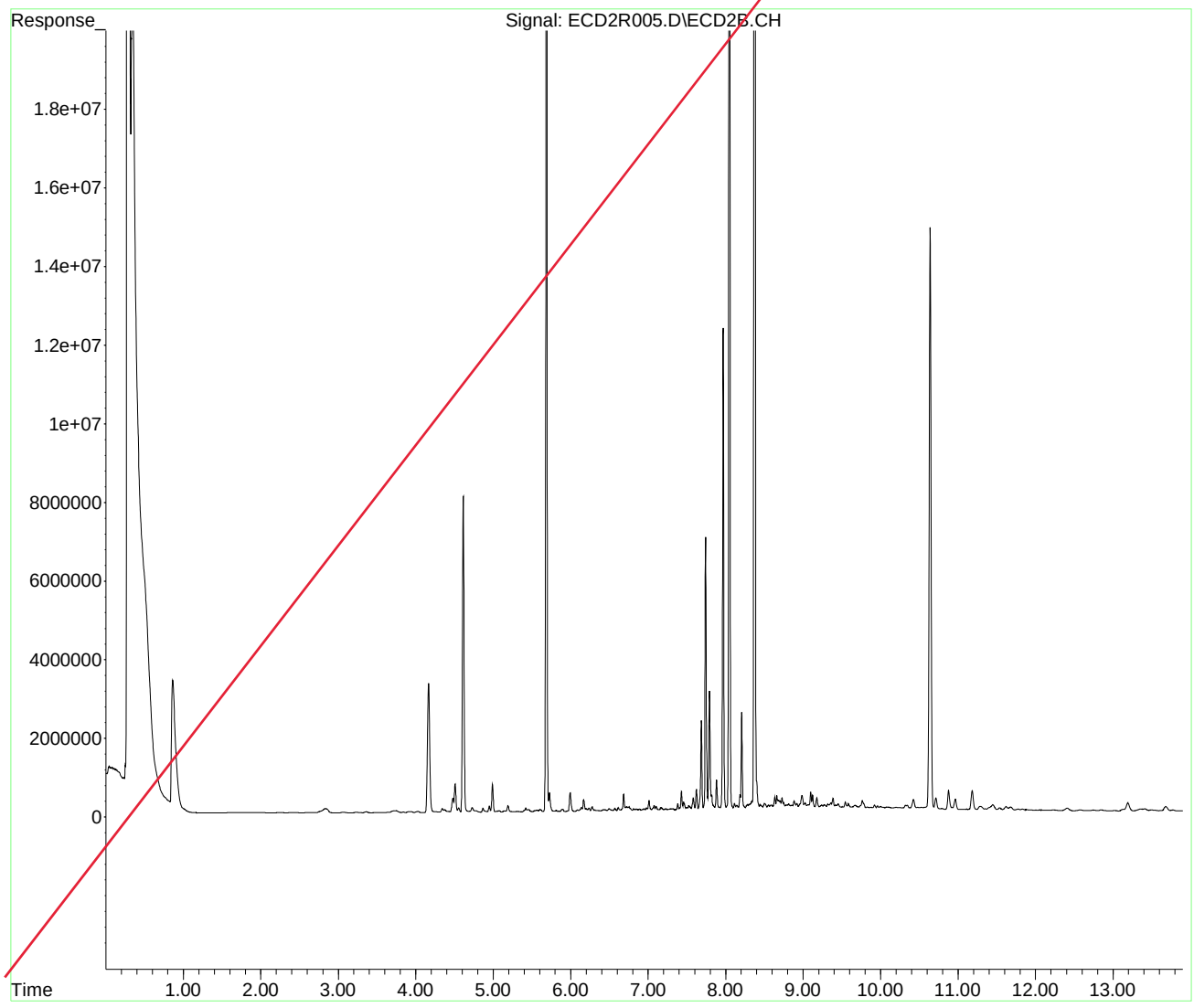
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 3:38 pm
Operator : MJB / KAK
Sample : A0F0667-01RE2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 10:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06059\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 6:17 pm
Operator : MJB / KAK
Sample : 0G06059-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

KAK 7/8/2020

Integration File: events.e
Quant Time: Jul 08 11:53:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	91685857	325.952	ng/ml
64)	S DCBP (S)	10.634	43192329	298.431	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.351	5011325	502.582	ng/ml
3)	Aroclor 1016 (2)	6.839	8339263	506.142	ng/ml
4)	Aroclor 1016 (3)	6.965	4293804	512.523	ng/ml
5)	Aroclor 1016 (4)	7.053	3955007	482.963	ng/ml
6)	Aroclor 1016 (5)	7.099	4550314	500.425	ng/ml
7)	Aroclor 1016 (6)	7.223	4527291	495.279	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.854	333207	138.809	ng/ml
10)	Aroclor 1221 (2)	5.927	632135	272.938	ng/ml
11)	Aroclor 1221 (3)	6.014	3054205	402.165	ng/ml
12)	Aroclor 1221 (4)	6.523	3020203	1949.458	ng/ml
13)	Aroclor 1221 (5)	6.839	8339263	7170.296	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.014	3054205	501.726	ng/ml
16)	Aroclor 1232 (2)	6.351	5011325	1285.671	ng/ml
17)	Aroclor 1232 (3)	6.839	8339263	1321.640	ng/ml
18)	Aroclor 1232 (4)	7.053	3955007	1530.304	ng/ml
19)	Aroclor 1232 (5)	7.099	4550314	1474.898	ng/ml
20)	Aroclor 1232 (6)	7.223	4527291	1451.071	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.351	5011325	716.221	ng/ml
23)	Aroclor 1242 (2)	6.839	8339263	690.461	ng/ml
24)	Aroclor 1242 (3)	6.965	4293804	730.141	ng/ml
25)	Aroclor 1242 (4)	7.053	3955007	746.162	ng/ml
26)	Aroclor 1242 (5)	7.099	4550314	714.865	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 6:17 pm
Operator : MJB / KAK
Sample : 0G06059-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 11:53:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.223	4527291	722.300	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.811	7671085	969.000	ng/ml	
30)	Aroclor 1248 (2)	7.053	3955007	402.622	ng/ml	
31)	Aroclor 1248 (3)	7.099	4550314	491.250	ng/ml	
32)	Aroclor 1248 (4)	7.223	4527291	409.712	ng/ml	
33)	Aroclor 1248 (5)	7.586	999597	73.191	ng/ml	
34)	Aroclor 1248 (6)	7.747	3338000	298.122	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.566	3229754	245.109	ng/ml	
37)	Aroclor 1254 (2)	7.747	3338000	163.898	ng/ml	
38)	Aroclor 1254 (3)	8.057	2111189	95.009	ng/ml	
39)	Aroclor 1254 (4)	8.295	1412683	84.412	ng/ml	
40)	Aroclor 1254 (5)	8.631	10748156	651.673	ng/ml	
41)	Aroclor 1254 (6)	8.850	1629972	315.945	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.194	8372764	490.824	ng/ml	
44)	Aroclor 1260 (2)	8.400	10220970	487.902	ng/ml	
45)	Aroclor 1260 (3)	8.631	10748156	511.175	ng/ml	
46)	Aroclor 1260 (4)	9.118	16599552	502.026	ng/ml	✓
47)	Aroclor 1260 (5)	9.382	9853676	518.578	ng/ml	
48)	Aroclor 1260 (6)	9.956	3840157	493.858	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.400	10220970	677.039	ng/ml	
51)	Aroclor 1262 (2)	8.701	7920787	370.251	ng/ml	
52)	Aroclor 1262 (3)	8.878	7595023	452.794	ng/ml	
53)	Aroclor 1262 (4)	9.118	16599552	455.403	ng/ml	
54)	Aroclor 1262 (5)	9.382	9853676	466.588	ng/ml	
55)	Aroclor 1262 (6)	9.956	3840157	386.732	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.921	554030	59.227	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 6:17 pm
Operator : MJB / KAK
Sample : 0G06059-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 11:53:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.382	9853676	251.003	ng/ml
59)	Aroclor 1268 (3)	9.447	3900553	120.623	ng/ml
60)	Aroclor 1268 (4)	9.668	245488	9.119	ng/ml
61)	Aroclor 1268 (5)	9.956	3840157	354.067	ng/ml
62)	Aroclor 1268 (6)	10.314	934635	12.987	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

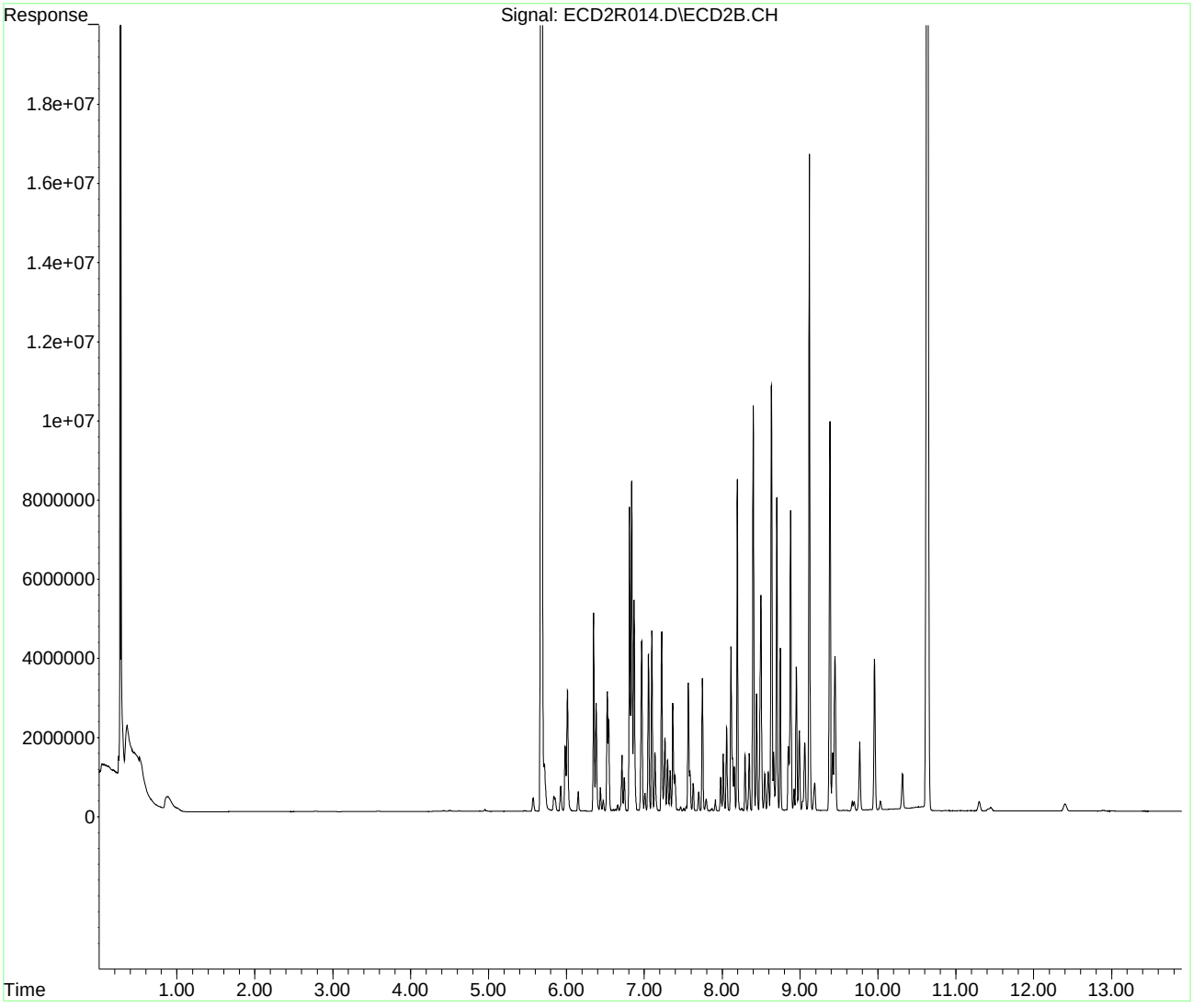
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 6:17 pm
Operator : MJB / KAK
Sample : 0G06059-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 11:53:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06059\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 6:34 pm
Operator : MJB / KAK
Sample : 0G06059-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 7/8/2020

Clean

Integration File: events.e
Quant Time: Jul 08 11:54:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.679	33805540	120.182	ng/ml
64)	S DCBP (S)	10.634	16792354	116.024	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.355	5338	0.535	ng/ml
3)	Aroclor 1016 (2)	6.853	6134	0.372	ng/ml
4)	Aroclor 1016 (3)	6.974	7169	0.856	ng/ml
5)	Aroclor 1016 (4)	7.064	6617	0.808	ng/ml
6)	Aroclor 1016 (5)	7.099	6970	0.766	ng/ml
7)	Aroclor 1016 (6)	7.223	6636	0.726	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.863	7465	3.110	ng/ml
10)	Aroclor 1221 (2)	5.934	5085	2.195	ng/ml
11)	Aroclor 1221 (3)	5.985	683998	90.066	ng/ml
12)	Aroclor 1221 (4)	6.529	6736	4.348	ng/ml
13)	Aroclor 1221 (5)	6.853	6134	5.274	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.985	683998	112.363	ng/ml
16)	Aroclor 1232 (2)	6.355	5338	1.370	ng/ml
17)	Aroclor 1232 (3)	6.853	6134	0.972	ng/ml
18)	Aroclor 1232 (4)	7.064	6617	2.560	ng/ml
19)	Aroclor 1232 (5)	7.099	6970	2.259	ng/ml
20)	Aroclor 1232 (6)	7.228	6646	2.130	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.355	5338	0.763	ng/ml
23)	Aroclor 1242 (2)	6.853	6134	0.508	ng/ml
24)	Aroclor 1242 (3)	6.974	7169	1.219	ng/ml
25)	Aroclor 1242 (4)	7.064	6617	1.248	ng/ml
26)	Aroclor 1242 (5)	7.099	6970	1.095	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 6:34 pm
Operator : MJB / KAK
Sample : 0G06059-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 11:54:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.223	6636	1.059 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.817	7424	0.938 ng/ml
30)	Aroclor 1248 (2)	7.064	6617	0.674 ng/ml
31)	Aroclor 1248 (3)	7.099	6970	0.752 ng/ml
32)	Aroclor 1248 (4)	7.223	6636	0.601 ng/ml
33)	Aroclor 1248 (5)	7.593	9528	0.698 ng/ml
34)	Aroclor 1248 (6)	7.752	11892	1.062 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.593	9528	0.723 ng/ml
37)	Aroclor 1254 (2)	7.752	11892	0.584 ng/ml
38)	Aroclor 1254 (3)	8.059	5398	0.243 ng/ml
39)	Aroclor 1254 (4)	8.310	6838	0.409 ng/ml
40)	Aroclor 1254 (5)	8.629	4311	0.261 ng/ml
41)	Aroclor 1254 (6)	8.855	3994	0.774 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.192	6060	0.355 ng/ml
44)	Aroclor 1260 (2)	8.398	5105	0.244 ng/ml
45)	Aroclor 1260 (3)	8.629	4311	0.205 ng/ml
46)	Aroclor 1260 (4)	9.118	5706	0.173 ng/ml
47)	Aroclor 1260 (5)	9.381	7219	0.380 ng/ml
48)	Aroclor 1260 (6)	9.960	14555	1.872 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.398	5105	0.338 ng/ml
51)	Aroclor 1262 (2)	8.704	3958	0.185 ng/ml
52)	Aroclor 1262 (3)	8.885	24140	1.439 ng/ml
53)	Aroclor 1262 (4)	9.118	5706	0.157 ng/ml
54)	Aroclor 1262 (5)	9.381	7219	0.342 ng/ml
55)	Aroclor 1262 (6)	9.960	14555	1.466 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.947	5548	0.593 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 6:34 pm
Operator : MJB / KAK
Sample : 0G06059-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 11:54:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.381	7219	0.184 ng/ml
59)	Aroclor 1268 (3)	9.452	6722	0.208 ng/ml
60)	Aroclor 1268 (4)	9.668	47230	1.754 ng/ml
61)	Aroclor 1268 (5)	9.960	14555	1.342 ng/ml
62)	Aroclor 1268 (6)	10.316	72428	1.006 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

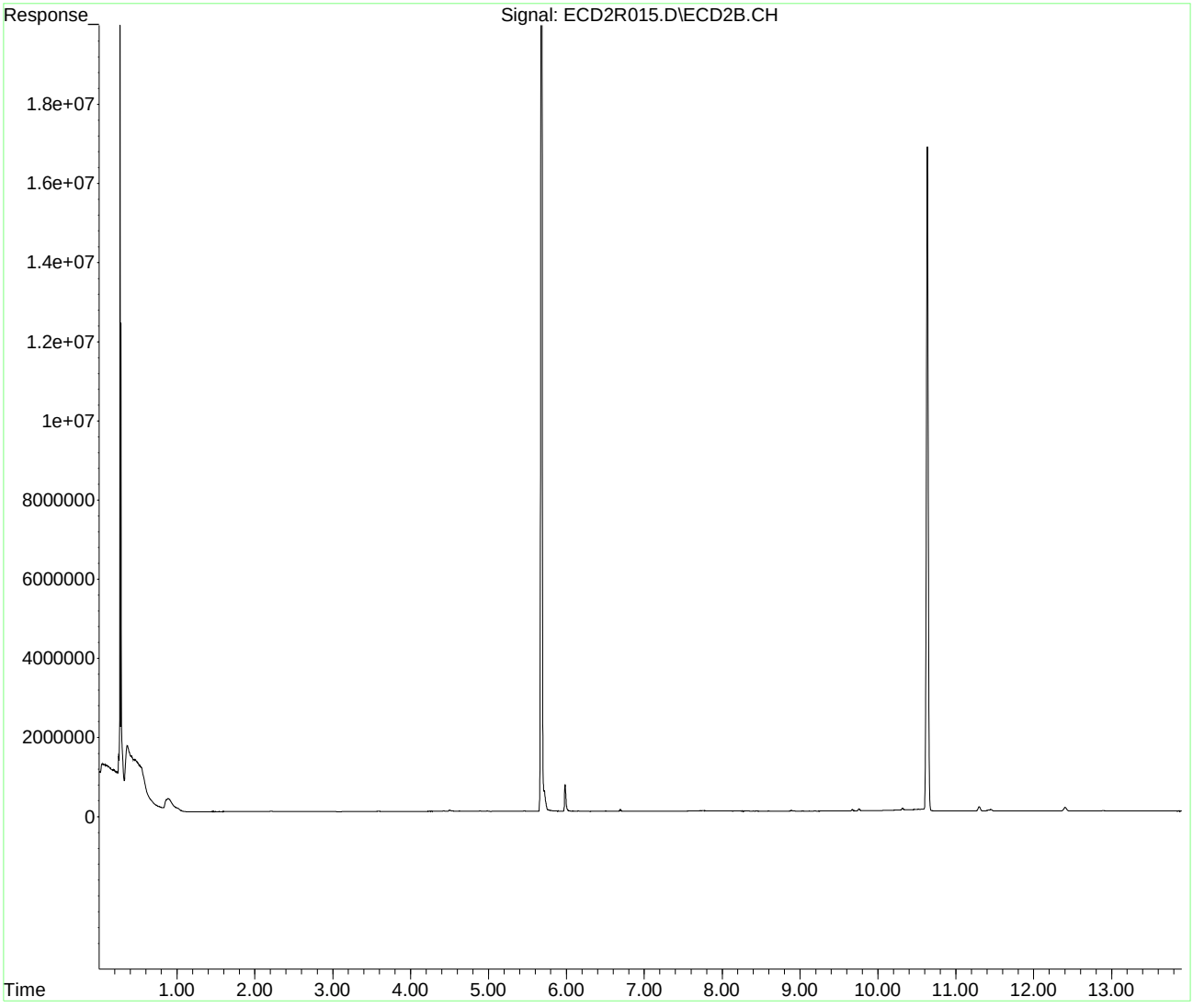
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06059\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 6:34 pm
Operator : MJB / KAK
Sample : 0G06059-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 08 11:54:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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 0G06029 (QC Only)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0G06029	Instrument:	DUALECD2R
Date:	**07/06/20 06:29**	Calibration:	**A0F3005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0G06029-CCV1	Sediment	QC	QC				A20F129
2	0G06029-CCB1	Sediment	QC	QC				A20F379
3	0070021-BLK1	Sediment	QC	QC		0070021		
4	0070021-BS1	Sediment	QC	QC		0070021		
5	0070021-BSD1	Sediment	QC	QC		0070021		
6	A0F0667-01RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	07/08/20	0070021		
7	0G06029-IBL1	Sediment	QC	QC				
8	0G06029-CCV2	Sediment	QC	QC				A20F129
9	0G06029-CCB2	Sediment	QC	QC				A20F379

Comments: Sample not reported. QC Failure.

Data Entered By/Date: KAK 7/7/2020

Data Reviewed By/Date: MKZ 7/7/2020

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 7:55 am
Operator : MJB / KAK
Sample : 0G06029-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

KAK 7/6/2020

Integration File: events.e
Quant Time: Jul 06 13:30:34 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	80565946	286.420	ng/ml	
64) S	DCBP (S)	10.635	36932888	255.183	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.352	4426655	443.946	ng/ml	
3)	Aroclor 1016 (2)	6.839	7444521	451.837	ng/ml	
4)	Aroclor 1016 (3)	6.965	3743585	446.847	ng/ml	
5)	Aroclor 1016 (4)	7.053	3550242	433.536	ng/ml	✓
6)	Aroclor 1016 (5)	7.099	3957003	435.175	ng/ml	
7)	Aroclor 1016 (6)	7.224	3957462	432.940	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.855	295800	123.226	ng/ml	
10)	Aroclor 1221 (2)	5.928	575661	248.554	ng/ml	
11)	Aroclor 1221 (3)	6.015	2674614	352.182	ng/ml	
12)	Aroclor 1221 (4)	6.525	2645133	1707.361	ng/ml	
13)	Aroclor 1221 (5)	6.839	7444521	6400.975	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.015	2674614	439.369	ng/ml	
16)	Aroclor 1232 (2)	6.352	4426655	1135.673	ng/ml	
17)	Aroclor 1232 (3)	6.839	7444521	1179.838	ng/ml	
18)	Aroclor 1232 (4)	7.053	3550242	1373.689	ng/ml	
19)	Aroclor 1232 (5)	7.099	3957003	1282.587	ng/ml	
20)	Aroclor 1232 (6)	7.224	3957462	1268.431	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.352	4426655	632.660	ng/ml	
23)	Aroclor 1242 (2)	6.839	7444521	616.380	ng/ml	
24)	Aroclor 1242 (3)	6.965	3743585	636.579	ng/ml	
25)	Aroclor 1242 (4)	7.053	3550242	669.798	ng/ml	
26)	Aroclor 1242 (5)	7.099	3957003	621.654	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 7:55 am
Operator : MJB / KAK
Sample : 0G06029-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:30:34 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.224	3957462	631.388	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.812	6637294	838.413	ng/ml	
30)	Aroclor 1248 (2)	7.053	3550242	361.417	ng/ml	
31)	Aroclor 1248 (3)	7.099	3957003	427.197	ng/ml	
32)	Aroclor 1248 (4)	7.224	3957462	358.143	ng/ml	
33)	Aroclor 1248 (5)	7.587	859144	62.907	ng/ml	
34)	Aroclor 1248 (6)	7.748	2987423	266.811	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.567	2798747	212.400	ng/ml	
37)	Aroclor 1254 (2)	7.748	2987423	146.685	ng/ml	
38)	Aroclor 1254 (3)	8.057	1850633	83.283	ng/ml	
39)	Aroclor 1254 (4)	8.296	1235295	73.813	ng/ml	
40)	Aroclor 1254 (5)	8.632	9429911	571.746	ng/ml	
41)	Aroclor 1254 (6)	8.850	1429269	277.042	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.194	7356239	431.234	ng/ml	
44)	Aroclor 1260 (2)	8.400	9267001	442.364	ng/ml	
45)	Aroclor 1260 (3)	8.632	9429911	448.480	ng/ml	
46)	Aroclor 1260 (4)	9.119	14259737	431.262	ng/ml	✓
47)	Aroclor 1260 (5)	9.382	8373922	440.702	ng/ml	
48)	Aroclor 1260 (6)	9.957	3420050	439.831	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.400	9267001	613.848	ng/ml	
51)	Aroclor 1262 (2)	8.701	6486111	303.188	ng/ml	
52)	Aroclor 1262 (3)	8.880	6619239	394.620	ng/ml	
53)	Aroclor 1262 (4)	9.119	14259737	391.211	ng/ml	
54)	Aroclor 1262 (5)	9.382	8373922	396.519	ng/ml	
55)	Aroclor 1262 (6)	9.957	3420050	344.424	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.921	502122	53.678	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 7:55 am
Operator : MJB / KAK
Sample : 0G06029-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:30:34 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.382	8373922	213.310	ng/ml
59)	Aroclor 1268 (3)	9.448	3337482	103.210	ng/ml
60)	Aroclor 1268 (4)	9.668	216274	8.034	ng/ml
61)	Aroclor 1268 (5)	9.957	3420050	315.333	ng/ml
62)	Aroclor 1268 (6)	10.315	807990	11.227	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

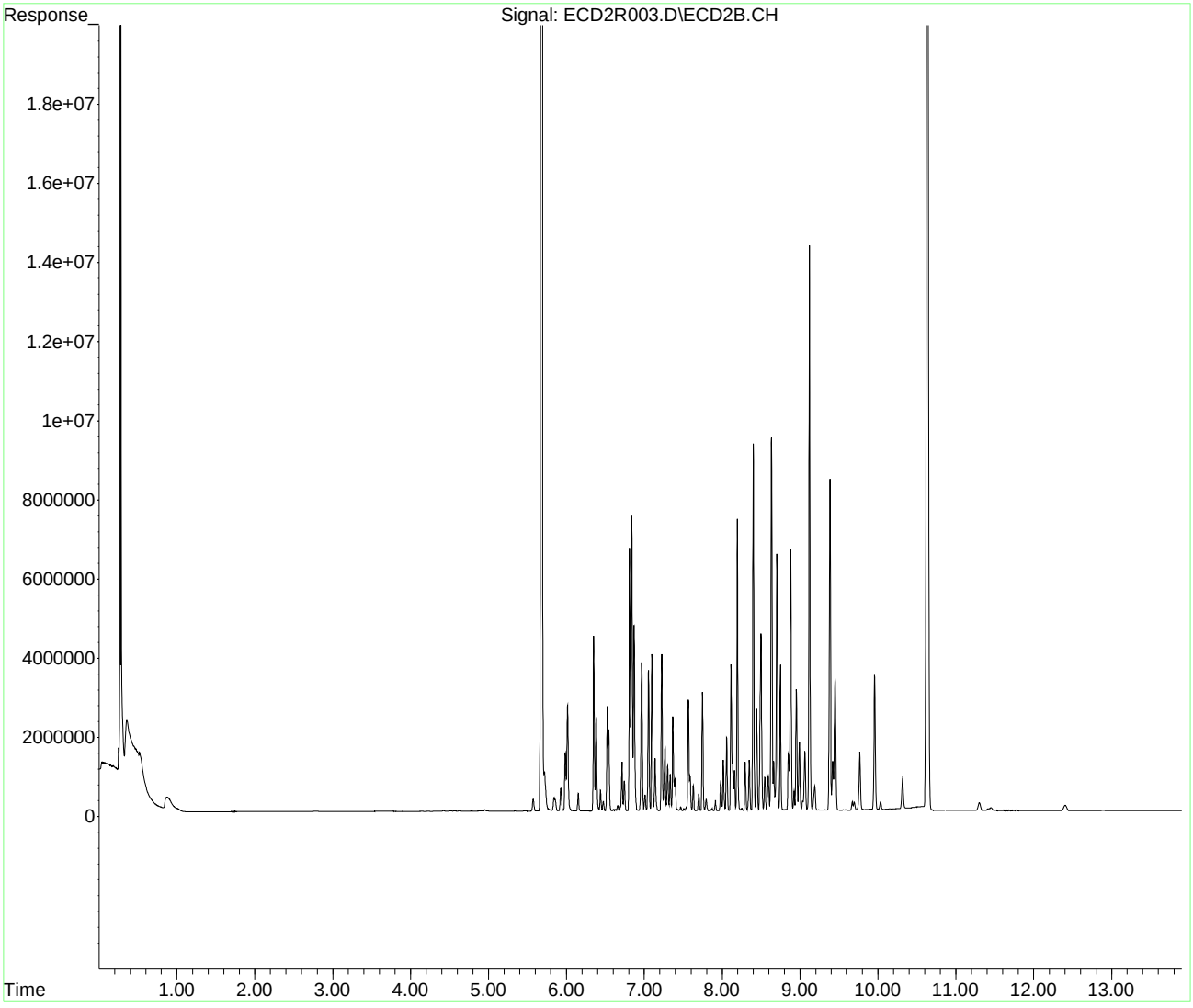
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 7:55 am
Operator : MJB / KAK
Sample : 0G06029-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:30:34 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06029\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:13 am
Operator : MJB / KAK
Sample : 0G06029-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 7/6/2020

Clean

Q-31

Integration File: events.e
Quant Time: Jul 06 13:35:30 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.680	29539423	105.016	ng/ml
64) S	DCBP (S)	10.636	14584317	100.768	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.355	4603	0.462	ng/ml
3)	Aroclor 1016 (2)	6.854	5981	0.363	ng/ml
4)	Aroclor 1016 (3)	6.967	5449	0.650	ng/ml
5)	Aroclor 1016 (4)	7.052	4835	0.590	ng/ml
6)	Aroclor 1016 (5)	7.095	5152	0.567	ng/ml
7)	Aroclor 1016 (6)	7.228	4840	0.530	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.860	7410	3.087	ng/ml
10)	Aroclor 1221 (2)	5.929	4565	1.971	ng/ml
11)	Aroclor 1221 (3)	5.987	609582	80.267	ng/ml
12)	Aroclor 1221 (4)	6.526	5820	3.756	ng/ml
13)	Aroclor 1221 (5)	6.854	5981	5.143	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.987	609582	100.138	ng/ml
16)	Aroclor 1232 (2)	6.355	4603	1.181	ng/ml
17)	Aroclor 1232 (3)	6.854	5981	0.948	ng/ml
18)	Aroclor 1232 (4)	7.059	5090	1.969	ng/ml
19)	Aroclor 1232 (5)	7.103	5021	1.627	ng/ml
20)	Aroclor 1232 (6)	7.228	4840	1.551	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.355	4603	0.658	ng/ml
23)	Aroclor 1242 (2)	6.854	5981	0.495	ng/ml
24)	Aroclor 1242 (3)	6.967	5449	0.926	ng/ml
25)	Aroclor 1242 (4)	7.052	4835	0.912	ng/ml
26)	Aroclor 1242 (5)	7.103	5021	0.789	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:13 am
Operator : MJB / KAK
Sample : 0G06029-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:35:30 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.228	4840	0.772 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.818	5809	0.734 ng/ml
30)	Aroclor 1248 (2)	7.052	4835	0.492 ng/ml
31)	Aroclor 1248 (3)	7.095	5152	0.556 ng/ml
32)	Aroclor 1248 (4)	7.228	4840	0.438 ng/ml
33)	Aroclor 1248 (5)	7.594	9427	0.690 ng/ml
34)	Aroclor 1248 (6)	7.755	10604	0.947 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.541	980	0.074 ng/ml
37)	Aroclor 1254 (2)	7.755	10604	0.521 ng/ml
38)	Aroclor 1254 (3)	8.058	4143	0.186 ng/ml
39)	Aroclor 1254 (4)	8.309	5724	0.342 ng/ml
40)	Aroclor 1254 (5)	8.631	4382	0.266 ng/ml
41)	Aroclor 1254 (6)	8.861	4797	0.930 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.196	4149	0.243 ng/ml
44)	Aroclor 1260 (2)	8.403	4197	0.200 ng/ml
45)	Aroclor 1260 (3)	8.631	4382	0.208 ng/ml
46)	Aroclor 1260 (4)	9.122	5858	0.177 ng/ml
47)	Aroclor 1260 (5)	9.385	5944	0.313 ng/ml
48)	Aroclor 1260 (6)	9.955	13280	1.708 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.403	4197	0.278 ng/ml
51)	Aroclor 1262 (2)	8.703	4269	0.200 ng/ml
52)	Aroclor 1262 (3)	8.887	25371	1.513 ng/ml
53)	Aroclor 1262 (4)	9.122	5858	0.161 ng/ml
54)	Aroclor 1262 (5)	9.385	5944	0.281 ng/ml
55)	Aroclor 1262 (6)	9.955	13280	1.337 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.887	25371	2.712 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:13 am
Operator : MJB / KAK
Sample : 0G06029-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:35:30 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.385	5944	0.151 ng/ml
59)	Aroclor 1268 (3)	9.451	5289	0.164 ng/ml
60)	Aroclor 1268 (4)	9.671	41367	1.537 ng/ml
61)	Aroclor 1268 (5)	9.955	13280	1.224 ng/ml
62)	Aroclor 1268 (6)	10.318	61559	0.855 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

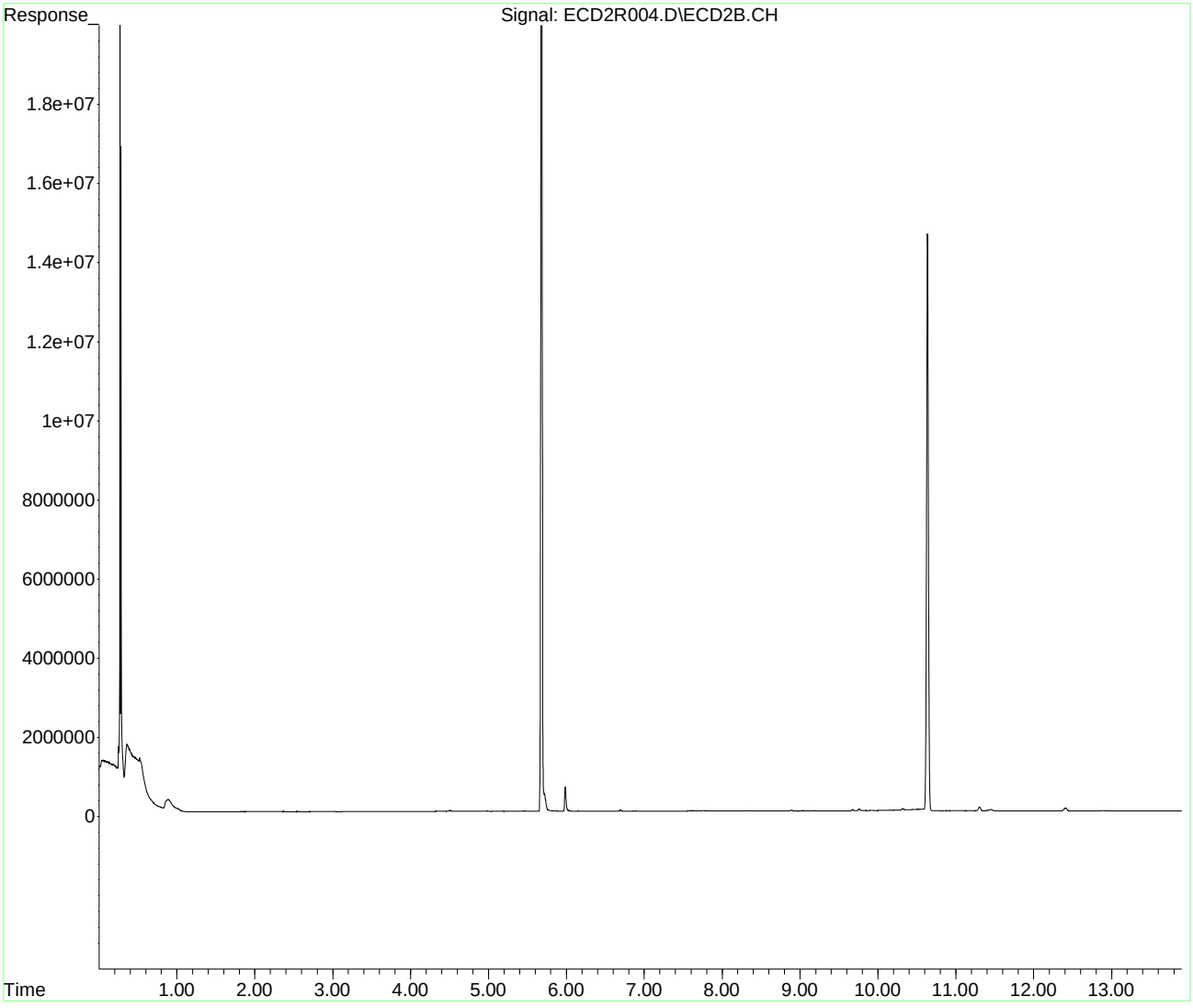
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:13 am
Operator : MJB / KAK
Sample : 0G06029-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:35:30 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06029\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:31 am
Operator : MJB / KAK
Sample : 0070021-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

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Integration File: events.e
Quant Time: Jul 06 13:31:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	63846600	226.981	ng/ml
64) S	DCBP (S)	10.635	38647927	267.032	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.353	16197	1.624	ng/ml
3)	Aroclor 1016 (2)	6.839	13808	0.838	ng/ml
4)	Aroclor 1016 (3)	6.964	10445	1.247	ng/ml
5)	Aroclor 1016 (4)	7.053	32933	4.022	ng/ml
6)	Aroclor 1016 (5)	7.099	15567	1.712	ng/ml
7)	Aroclor 1016 (6)	7.224	22527	2.464	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.874	23019	9.589	ng/ml
10)	Aroclor 1221 (2)	5.921	18294	7.899	ng/ml
11)	Aroclor 1221 (3)	5.987	1274339	167.800	ng/ml
12)	Aroclor 1221 (4)	6.520	17404	11.234	ng/ml
13)	Aroclor 1221 (5)	6.839	13808	11.873	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.987	1274339	209.340	ng/ml
16)	Aroclor 1232 (2)	6.353	16197	4.155	ng/ml
17)	Aroclor 1232 (3)	6.839	13808	2.188	ng/ml
18)	Aroclor 1232 (4)	7.053	32933	12.743	ng/ml
19)	Aroclor 1232 (5)	7.099	15567	5.046	ng/ml
20)	Aroclor 1232 (6)	7.224	22527	7.220	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.353	16197	2.315	ng/ml
23)	Aroclor 1242 (2)	6.839	13808	1.143	ng/ml
24)	Aroclor 1242 (3)	6.964	10445	1.776	ng/ml
25)	Aroclor 1242 (4)	7.053	32933	6.213	ng/ml
26)	Aroclor 1242 (5)	7.099	15567	2.446	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:31 am
Operator : MJB / KAK
Sample : 0070021-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.224	22527	3.594 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.811	14838	1.874 ng/ml
30)	Aroclor 1248 (2)	7.053	32933	3.353 ng/ml
31)	Aroclor 1248 (3)	7.099	15567	1.681 ng/ml
32)	Aroclor 1248 (4)	7.224	22527	2.039 ng/ml
33)	Aroclor 1248 (5)	7.588	40904	2.995 ng/ml
34)	Aroclor 1248 (6)	7.748	89540	7.997 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.567	66959	5.082 ng/ml
37)	Aroclor 1254 (2)	7.748	89540	4.396 ng/ml
38)	Aroclor 1254 (3)	8.057	60175	2.708 ng/ml
39)	Aroclor 1254 (4)	8.296	35210	2.104 ng/ml
40)	Aroclor 1254 (5)	8.631	21136	1.282 ng/ml
41)	Aroclor 1254 (6)	8.858	10353	2.007 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.194	25677	1.505 ng/ml
44)	Aroclor 1260 (2)	8.400	19648	0.938 ng/ml
45)	Aroclor 1260 (3)	8.631	21136	1.005 ng/ml
46)	Aroclor 1260 (4)	9.118	10213	0.309 ng/ml
47)	Aroclor 1260 (5)	9.383	10062	0.530 ng/ml
48)	Aroclor 1260 (6)	9.955	24121	3.102 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.400	19648	1.301 ng/ml
51)	Aroclor 1262 (2)	8.702	6764	0.316 ng/ml
52)	Aroclor 1262 (3)	8.881	10126	0.604 ng/ml
53)	Aroclor 1262 (4)	9.118	10213	0.280 ng/ml
54)	Aroclor 1262 (5)	9.383	10062	0.476 ng/ml
55)	Aroclor 1262 (6)	9.955	24121	2.429 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.922	7683	0.821 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:31 am
Operator : MJB / KAK
Sample : 0070021-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.383	10062	0.256 ng/ml
59)	Aroclor 1268 (3)	9.445	8926	0.276 ng/ml
60)	Aroclor 1268 (4)	9.670	73744	2.739 ng/ml
61)	Aroclor 1268 (5)	9.955	24121	2.224 ng/ml
62)	Aroclor 1268 (6)	10.317	92514	1.285 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

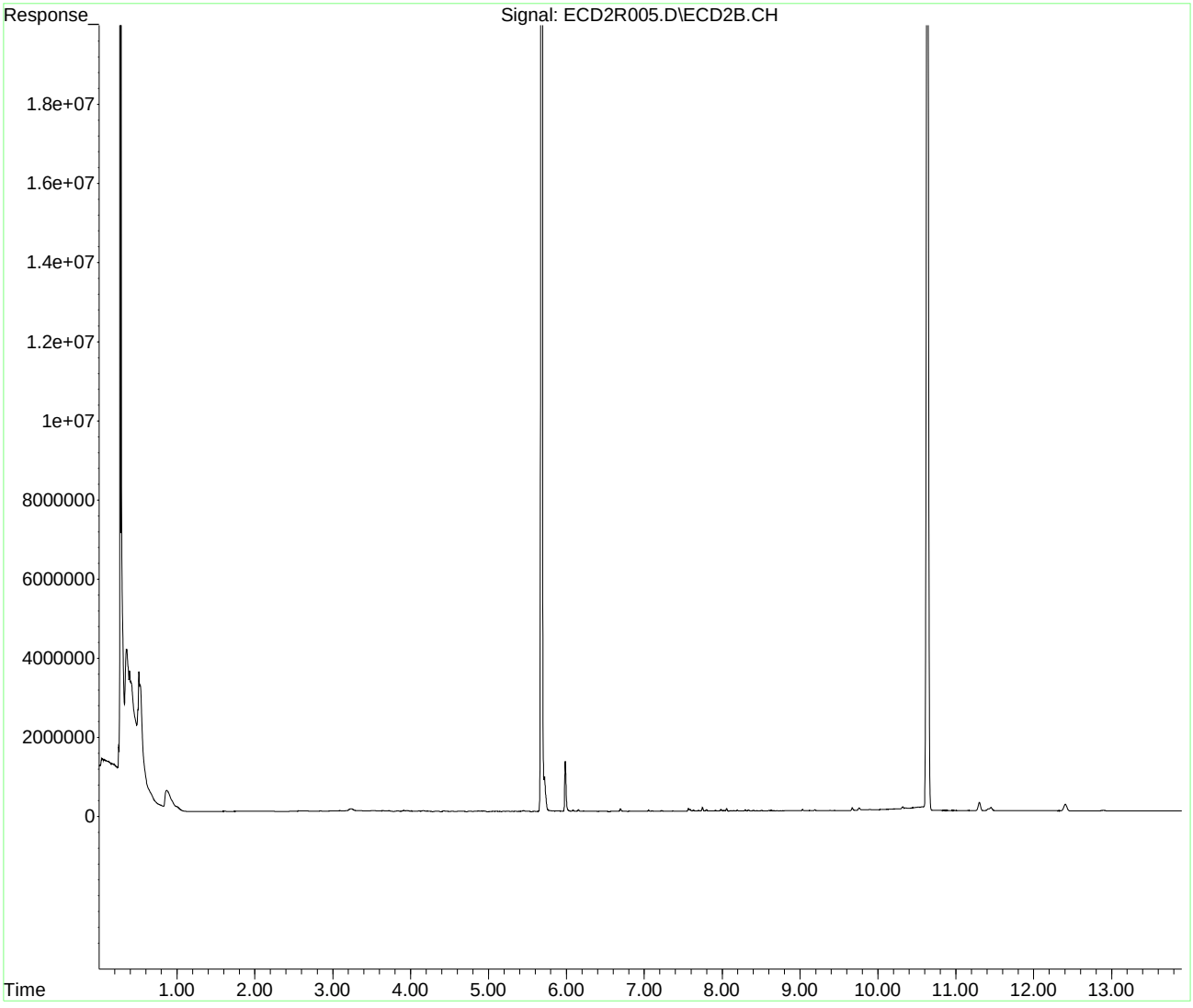
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:31 am
Operator : MJB / KAK
Sample : 0070021-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06029\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:48 am
Operator : MJB / KAK
Sample : 0070021-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

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Integration File: events.e
Quant Time: Jul 06 13:31:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.681	67951076	241.573	ng/ml
64) S	DCBP (S)	10.636	39198329	270.835	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.351	8762271	878.762	ng/ml
3)	Aroclor 1016 (2)	6.840	16487189	1000.671	ng/ml
4)	Aroclor 1016 (3)	6.966	7705701	919.778	ng/ml ✓
5)	Aroclor 1016 (4)	7.054	7662282	935.675	ng/ml
6)	Aroclor 1016 (5)	7.099	8455746	929.928	ng/ml
7)	Aroclor 1016 (6)	7.224	8230126	900.363	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.856	552838	230.305	ng/ml
10)	Aroclor 1221 (2)	5.928	1120529	483.813	ng/ml
11)	Aroclor 1221 (3)	6.015	5320599	700.595	ng/ml
12)	Aroclor 1221 (4)	6.524	5209259	3362.434	ng/ml
13)	Aroclor 1221 (5)	6.840	16487189	14176.075	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.015	5320599	874.035	ng/ml
16)	Aroclor 1232 (2)	6.351	8762271	2247.989	ng/ml
17)	Aroclor 1232 (3)	6.840	16487189	2612.957	ng/ml
18)	Aroclor 1232 (4)	7.054	7662282	2964.754	ng/ml
19)	Aroclor 1232 (5)	7.099	8455746	2740.770	ng/ml
20)	Aroclor 1232 (6)	7.224	8230126	2637.890	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.351	8762271	1252.308	ng/ml
23)	Aroclor 1242 (2)	6.840	16487189	1365.081	ng/ml
24)	Aroclor 1242 (3)	6.966	7705701	1310.317	ng/ml
25)	Aroclor 1242 (4)	7.054	7662282	1445.586	ng/ml
26)	Aroclor 1242 (5)	7.099	8455746	1328.417	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:48 am
Operator : MJB / KAK
Sample : 0070021-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.224	8230126	1313.063	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.813	14363089	1814.323	ng/ml	
30)	Aroclor 1248 (2)	7.054	7662282	780.025	ng/ml	
31)	Aroclor 1248 (3)	7.099	8455746	912.880	ng/ml	
32)	Aroclor 1248 (4)	7.224	8230126	744.812	ng/ml	
33)	Aroclor 1248 (5)	7.588	1894743	138.733	ng/ml	
34)	Aroclor 1248 (6)	7.748	6947732	620.512	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.566	6011136	456.191	ng/ml	
37)	Aroclor 1254 (2)	7.748	6947732	341.139	ng/ml	
38)	Aroclor 1254 (3)	8.057	3889197	175.024	ng/ml	
39)	Aroclor 1254 (4)	8.296	2779784	166.101	ng/ml	
40)	Aroclor 1254 (5)	8.632	21844607	1324.464	ng/ml	
41)	Aroclor 1254 (6)	8.851	3374873	654.168	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.194	17731397	1039.441	ng/ml	
44)	Aroclor 1260 (2)	8.401	21405184	1021.785	ng/ml	
45)	Aroclor 1260 (3)	8.632	21844607	1038.914	ng/ml	
46)	Aroclor 1260 (4)	9.120	36776737	1112.251	ng/ml	✓
47)	Aroclor 1260 (5)	9.382	20605241	1084.410	ng/ml	
48)	Aroclor 1260 (6)	9.959	7864378	1011.388	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.401	21405184	1417.883	ng/ml	
51)	Aroclor 1262 (2)	8.702	15915940	743.978	ng/ml	
52)	Aroclor 1262 (3)	8.879	15426817	919.703	ng/ml	
53)	Aroclor 1262 (4)	9.120	36776737	1008.957	ng/ml	
54)	Aroclor 1262 (5)	9.382	20605241	975.693	ng/ml	
55)	Aroclor 1262 (6)	9.959	7864378	792.001	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.922	1142141	122.097	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:48 am
Operator : MJB / KAK
Sample : 0070021-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.382	20605241	524.879	ng/ml
59)	Aroclor 1268 (3)	9.449	8550583	264.422	ng/ml
60)	Aroclor 1268 (4)	9.669	397474	14.765	ng/ml
61)	Aroclor 1268 (5)	9.959	7864378	725.105	ng/ml
62)	Aroclor 1268 (6)	10.315	1741816	24.203	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

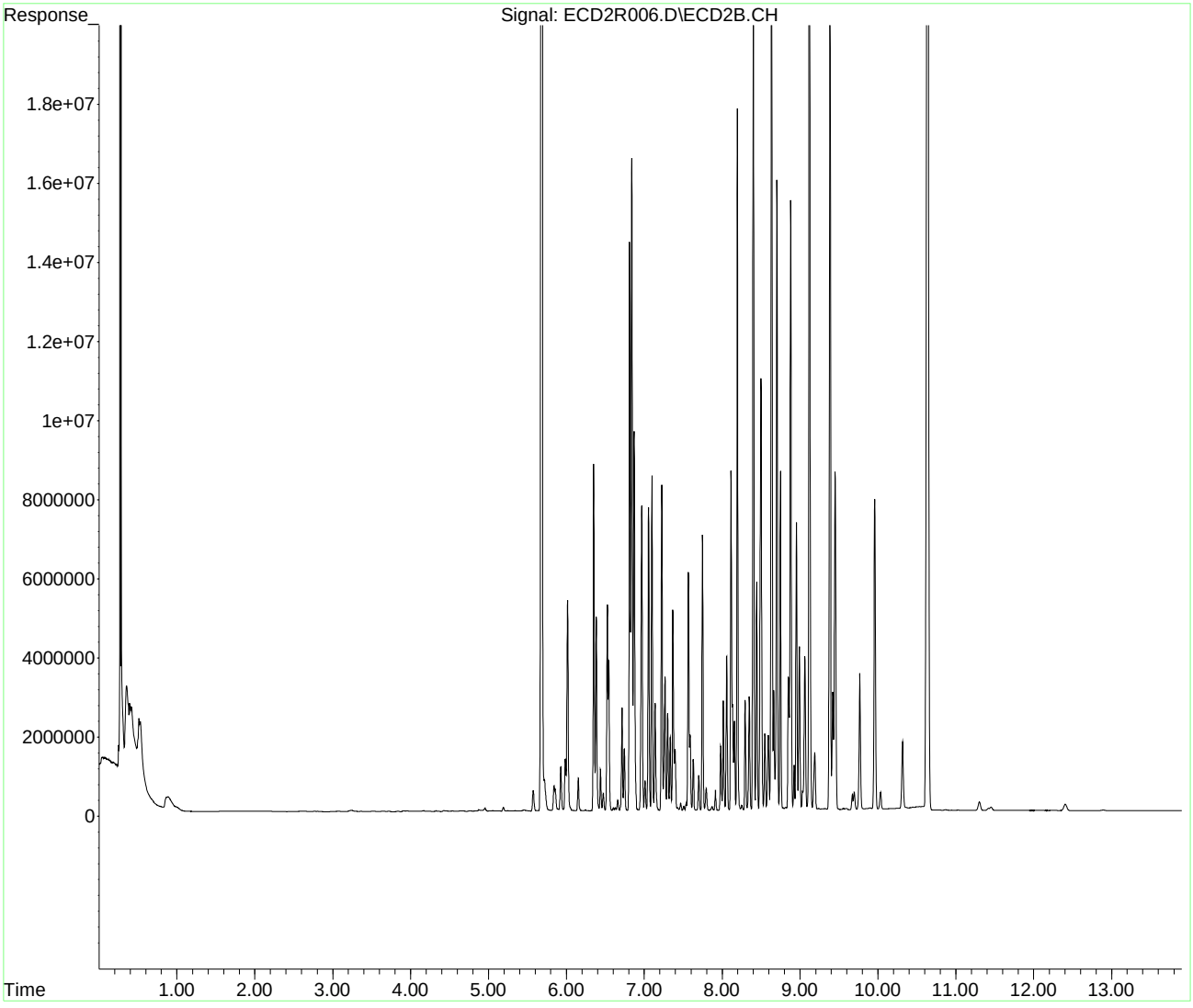
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 8:48 am
Operator : MJB / KAK
Sample : 0070021-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06029\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:06 am
Operator : MJB / KAK
Sample : 0070021-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

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Integration File: events.e
Quant Time: Jul 06 13:31:54 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	60593659	215.416	ng/ml
64)	S DCBP (S)	10.636	36798674	254.255	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.352	7909184	793.207	ng/ml
3)	Aroclor 1016 (2)	6.839	14997360	910.248	ng/ml
4)	Aroclor 1016 (3)	6.966	7288486	869.978	ng/ml
5)	Aroclor 1016 (4)	7.054	6957092	849.561	ng/ml
6)	Aroclor 1016 (5)	7.099	7634762	839.640	ng/ml
7)	Aroclor 1016 (6)	7.224	7634373	835.189	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.855	490960	204.527	ng/ml
10)	Aroclor 1221 (2)	5.929	990921	427.852	ng/ml
11)	Aroclor 1221 (3)	6.016	4641912	611.228	ng/ml
12)	Aroclor 1221 (4)	6.525	4766782	3076.827	ng/ml
13)	Aroclor 1221 (5)	6.839	14997360	12895.085	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.016	4641912	762.544	ng/ml
16)	Aroclor 1232 (2)	6.352	7909184	2029.126	ng/ml
17)	Aroclor 1232 (3)	6.839	14997360	2376.842	ng/ml
18)	Aroclor 1232 (4)	7.054	6957092	2691.895	ng/ml
19)	Aroclor 1232 (5)	7.099	7634762	2474.664	ng/ml
20)	Aroclor 1232 (6)	7.224	7634373	2446.942	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.352	7909184	1130.384	ng/ml
23)	Aroclor 1242 (2)	6.839	14997360	1241.728	ng/ml
24)	Aroclor 1242 (3)	6.966	7288486	1239.372	ng/ml
25)	Aroclor 1242 (4)	7.054	6957092	1312.543	ng/ml
26)	Aroclor 1242 (5)	7.099	7634762	1199.439	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:06 am
Operator : MJB / KAK
Sample : 0070021-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:54 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.224	7634373	1218.015	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.812	13156661	1661.929	ng/ml	
30)	Aroclor 1248 (2)	7.054	6957092	708.236	ng/ml	
31)	Aroclor 1248 (3)	7.099	7634762	824.247	ng/ml	
32)	Aroclor 1248 (4)	7.224	7634373	690.897	ng/ml	
33)	Aroclor 1248 (5)	7.587	1727648	126.498	ng/ml	
34)	Aroclor 1248 (6)	7.748	6310940	563.639	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.567	5434833	412.455	ng/ml	
37)	Aroclor 1254 (2)	7.748	6310940	309.872	ng/ml	
38)	Aroclor 1254 (3)	8.057	3584099	161.294	ng/ml	
39)	Aroclor 1254 (4)	8.296	2580108	154.170	ng/ml	
40)	Aroclor 1254 (5)	8.633	20923906	1268.640	ng/ml	
41)	Aroclor 1254 (6)	8.851	3183593	617.091	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.195	16111878	944.503	ng/ml	
44)	Aroclor 1260 (2)	8.401	20711062	988.650	ng/ml	
45)	Aroclor 1260 (3)	8.633	20923906	995.126	ng/ml	✓
46)	Aroclor 1260 (4)	9.121	34607526	1046.647	ng/ml	
47)	Aroclor 1260 (5)	9.383	18891214	994.204	ng/ml	
48)	Aroclor 1260 (6)	9.957	7785790	1001.281	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.401	20711062	1371.904	ng/ml	
51)	Aroclor 1262 (2)	8.701	14884901	695.783	ng/ml	
52)	Aroclor 1262 (3)	8.880	14604647	870.688	ng/ml	
53)	Aroclor 1262 (4)	9.121	34607526	949.446	ng/ml	
54)	Aroclor 1262 (5)	9.383	18891214	894.531	ng/ml	
55)	Aroclor 1262 (6)	9.957	7785790	784.087	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.921	1045489	111.765	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:06 am
Operator : MJB / KAK
Sample : 0070021-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:54 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.383	18891214	481.217	ng/ml
59)	Aroclor 1268 (3)	9.449	7900108	244.307	ng/ml
60)	Aroclor 1268 (4)	9.669	358567	13.320	ng/ml
61)	Aroclor 1268 (5)	9.957	7785790	717.859	ng/ml
62)	Aroclor 1268 (6)	10.315	1687766	23.452	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

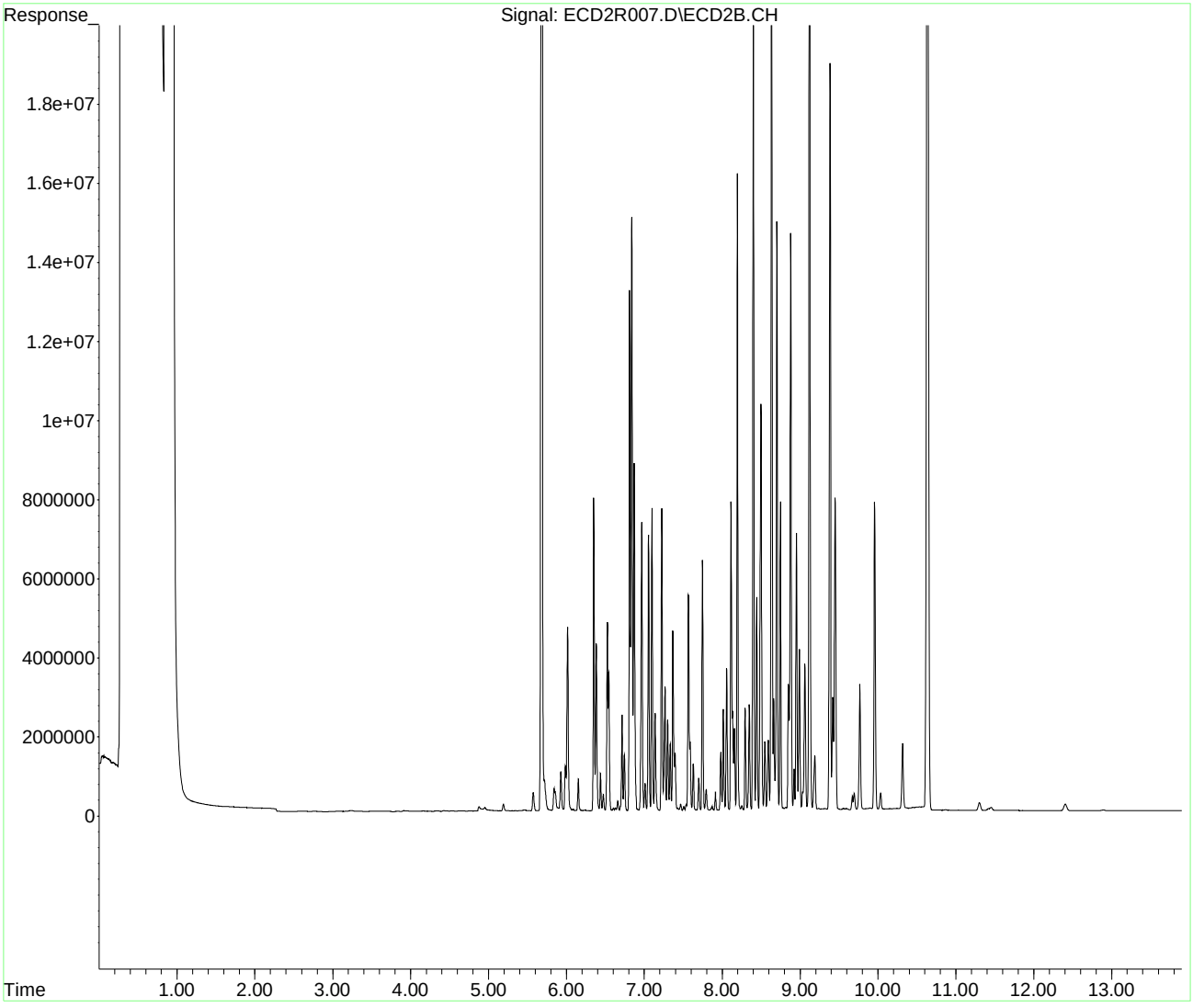
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:06 am
Operator : MJB / KAK
Sample : 0070021-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:31:54 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

KAK 7/7/2020

Q-14

Integration File: events.e
Quant Time: Jul 06 14:42:32 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.688	27987076	99.497	ng/ml
64)	S DCBP (S)	10.641	14823552	102.421	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.342	20800	2.086	ng/ml
3)	Aroclor 1016 (2)	6.850	44637	2.709	ng/ml
4)	Aroclor 1016 (3)	6.977	65394	7.806	ng/ml
5)	Aroclor 1016 (4)	7.076	123920	15.132	ng/ml
6)	Aroclor 1016 (5)	7.105	104468	11.489	ng/ml
7)	Aroclor 1016 (6)	7.224	37968	4.154	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.842	8659	3.607	ng/ml
10)	Aroclor 1221 (2)	5.898	55000	23.747	ng/ml
11)	Aroclor 1221 (3)	5.995	469214	61.784	ng/ml
12)	Aroclor 1221 (4)	6.532	25833	16.675	ng/ml
13)	Aroclor 1221 (5)	6.850	44637	38.380	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.995	469214	77.080	ng/ml
16)	Aroclor 1232 (2)	6.342	20800	5.336	ng/ml
17)	Aroclor 1232 (3)	6.850	44637	7.074	ng/ml
18)	Aroclor 1232 (4)	7.076	123920	47.948	ng/ml
19)	Aroclor 1232 (5)	7.105	104468	33.861	ng/ml
20)	Aroclor 1232 (6)	7.224	37968	12.169	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.342	20800	2.973	ng/ml
23)	Aroclor 1242 (2)	6.850	44637	3.696	ng/ml
24)	Aroclor 1242 (3)	6.977	65394	11.120	ng/ml
25)	Aroclor 1242 (4)	7.076	123920	23.379	ng/ml
26)	Aroclor 1242 (5)	7.105	104468	16.412	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 14:42:32 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.224	37968	6.058	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.815	46619	5.889	ng/ml
30)	Aroclor 1248 (2)	7.076	123920	12.615	ng/ml
31)	Aroclor 1248 (3)	7.105	104468	11.278	ng/ml
32)	Aroclor 1248 (4)	7.224	37968	3.436	ng/ml
33)	Aroclor 1248 (5)	7.583	274424	20.093	ng/ml
34)	Aroclor 1248 (6)	7.742	6684734	597.023	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.583	274424	20.826	ng/ml
37)	Aroclor 1254 (2)	7.742	6684734	328.225	ng/ml
38)	Aroclor 1254 (3)	8.049	43992549	1979.780	ng/ml
39)	Aroclor 1254 (4)	8.301	108671	6.493	ng/ml
40)	Aroclor 1254 (5)	8.633	285763	17.326	ng/ml
41)	Aroclor 1254 (6)	8.854	92762	17.980	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.199	895455	52.493	ng/mlm
44)	Aroclor 1260 (2)	8.397	740953	35.370	ng/mlm
45)	Aroclor 1260 (3)	8.633	285763	13.591	ng/ml
46)	Aroclor 1260 (4)	9.124	348313	10.534	ng/ml
47)	Aroclor 1260 (5)	9.384	278374	14.650	ng/ml
48)	Aroclor 1260 (6)	9.962	85680	11.019	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.396	735793	48.739	ng/mlm
51)	Aroclor 1262 (2)	8.704	197667	9.240	ng/ml
52)	Aroclor 1262 (3)	8.884	193360	11.528	ng/ml
53)	Aroclor 1262 (4)	9.124	348313	9.556	ng/ml
54)	Aroclor 1262 (5)	9.384	278374	13.181	ng/ml
55)	Aroclor 1262 (6)	9.962	85680	8.629	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.918	125220	13.386	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 14:42:32 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.384	278374	7.091 ng/ml
59)	Aroclor 1268 (3)	9.452	129664	4.010 ng/ml
60)	Aroclor 1268 (4)	9.677	93975	3.491 ng/ml
61)	Aroclor 1268 (5)	9.962	85680	7.900 ng/ml
62)	Aroclor 1268 (6)	10.321	104799	1.456 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

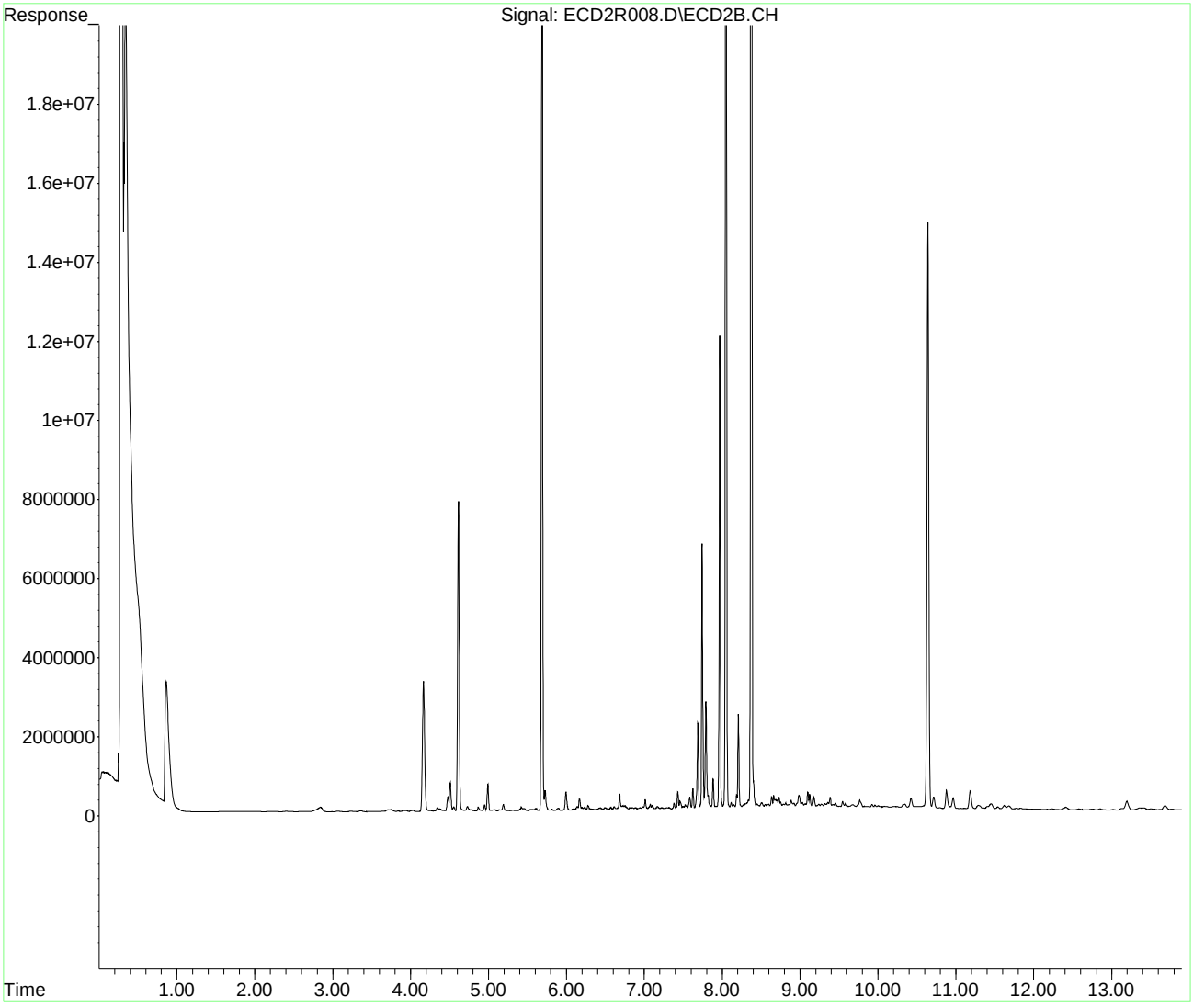
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 14:42:32 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

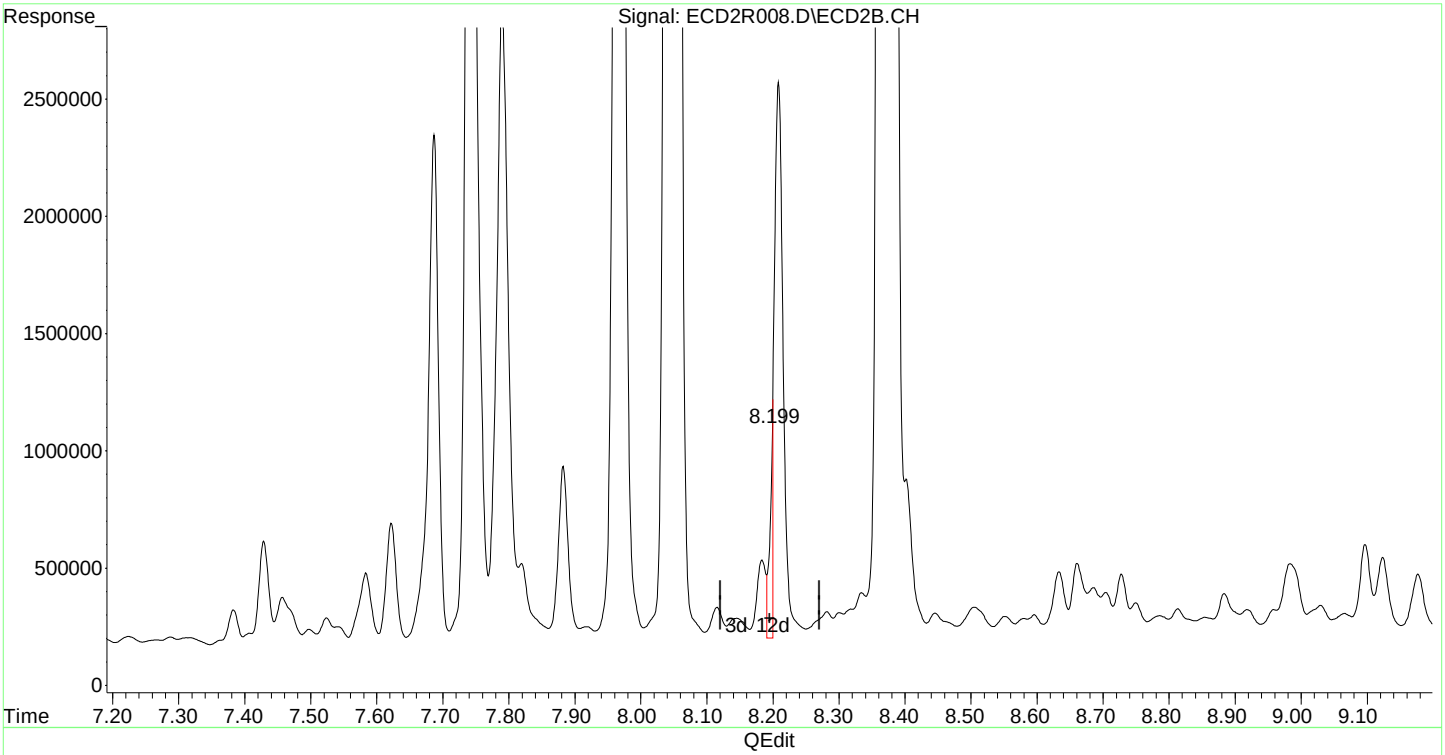


Quantitation Report (Qedit)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(43) Aroclor 1260 (1)
8.199min 52.493 ng/ml m KAK 7/7/2020
response 895455

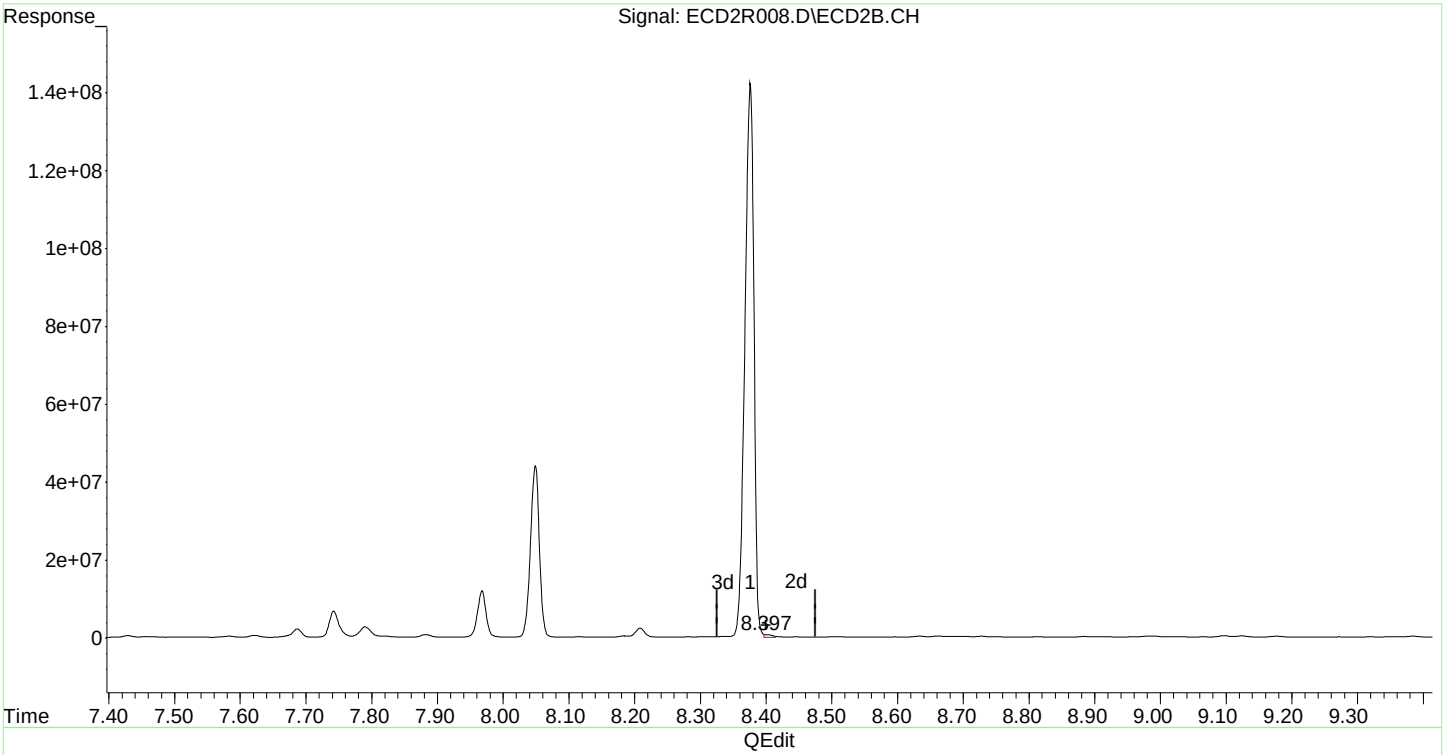
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(44) Aroclor 1260 (2)
8.397min 35.370 ng/ml m KAK 7/7/2020
response 740953

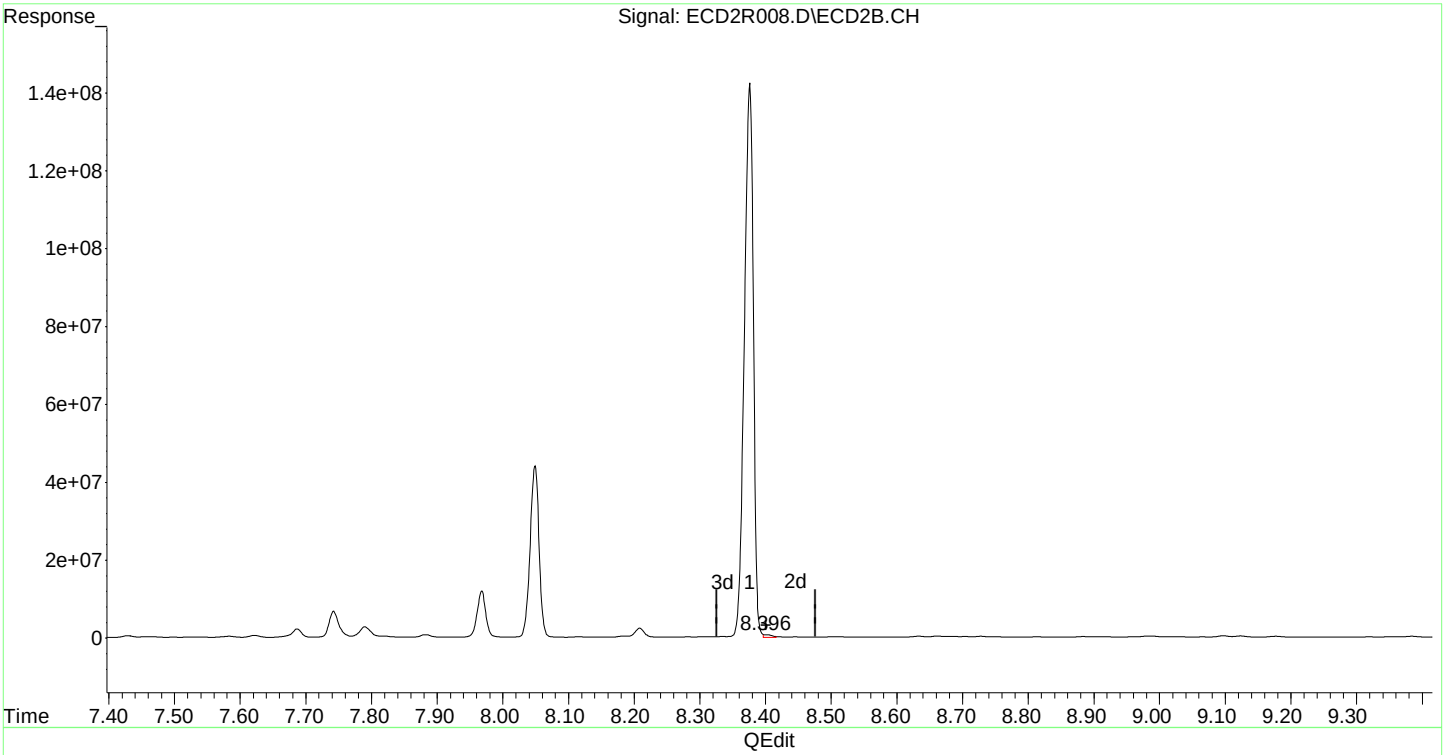
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(50) Aroclor 1262 (1)
8.396min 48.739 ng/ml m KAK 7/7/2020
response 735793

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

KAK 7/6/2020

Q-14

MI

Integration File: events.e
Quant Time: Jul 06 13:32:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.688	27987076	99.497	ng/ml
64)	S DCBP (S)	10.641	14823552	102.421	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.342	20800	2.086	ng/ml
3)	Aroclor 1016 (2)	6.850	44637	2.709	ng/ml
4)	Aroclor 1016 (3)	6.977	65394	7.806	ng/ml
5)	Aroclor 1016 (4)	7.076	123920	15.132	ng/ml
6)	Aroclor 1016 (5)	7.105	104468	11.489	ng/ml
7)	Aroclor 1016 (6)	7.224	37968	4.154	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.842	8659	3.607	ng/ml
10)	Aroclor 1221 (2)	5.898	55000	23.747	ng/ml
11)	Aroclor 1221 (3)	5.995	469214	61.784	ng/ml
12)	Aroclor 1221 (4)	6.532	25833	16.675	ng/ml
13)	Aroclor 1221 (5)	6.850	44637	38.380	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.995	469214	77.080	ng/ml
16)	Aroclor 1232 (2)	6.342	20800	5.336	ng/ml
17)	Aroclor 1232 (3)	6.850	44637	7.074	ng/ml
18)	Aroclor 1232 (4)	7.076	123920	47.948	ng/ml
19)	Aroclor 1232 (5)	7.105	104468	33.861	ng/ml
20)	Aroclor 1232 (6)	7.224	37968	12.169	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.342	20800	2.973	ng/ml
23)	Aroclor 1242 (2)	6.850	44637	3.696	ng/ml
24)	Aroclor 1242 (3)	6.977	65394	11.120	ng/ml
25)	Aroclor 1242 (4)	7.076	123920	23.379	ng/ml
26)	Aroclor 1242 (5)	7.105	104468	16.412	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.224	37968	6.058	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.815	46619	5.889	ng/ml
30)	Aroclor 1248 (2)	7.076	123920	12.615	ng/ml
31)	Aroclor 1248 (3)	7.105	104468	11.278	ng/ml
32)	Aroclor 1248 (4)	7.224	37968	3.436	ng/ml
33)	Aroclor 1248 (5)	7.583	274424	20.093	ng/ml
34)	Aroclor 1248 (6)	7.742	6684734	597.023	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.583	274424	20.826	ng/ml
37)	Aroclor 1254 (2)	7.742	6684734	328.225	ng/ml
38)	Aroclor 1254 (3)	8.049	43992549	1979.780	ng/ml
39)	Aroclor 1254 (4)	8.301	108671	6.493	ng/ml
40)	Aroclor 1254 (5)	8.633	285763	17.326	ng/ml
41)	Aroclor 1254 (6)	8.854	92762	17.980	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.184	332541	19.494	ng/ml
44)	Aroclor 1260 (2)	8.376	142346651	6794.972	ng/ml
45)	Aroclor 1260 (3)	8.633	285763	13.591	ng/ml
46)	Aroclor 1260 (4)	9.124	348313	10.534	ng/ml
47)	Aroclor 1260 (5)	9.384	278374	14.650	ng/ml
48)	Aroclor 1260 (6)	9.962	85680	11.019	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.376	142346651	9429.064	ng/ml
51)	Aroclor 1262 (2)	8.704	197667	9.240	ng/ml
52)	Aroclor 1262 (3)	8.884	193360	11.528	ng/ml
53)	Aroclor 1262 (4)	9.124	348313	9.556	ng/ml
54)	Aroclor 1262 (5)	9.384	278374	13.181	ng/ml
55)	Aroclor 1262 (6)	9.962	85680	8.629	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.918	125220	13.386	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.384	278374	7.091 ng/ml
59)	Aroclor 1268 (3)	9.452	129664	4.010 ng/ml
60)	Aroclor 1268 (4)	9.677	93975	3.491 ng/ml
61)	Aroclor 1268 (5)	9.962	85680	7.900 ng/ml
62)	Aroclor 1268 (6)	10.321	104799	1.456 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

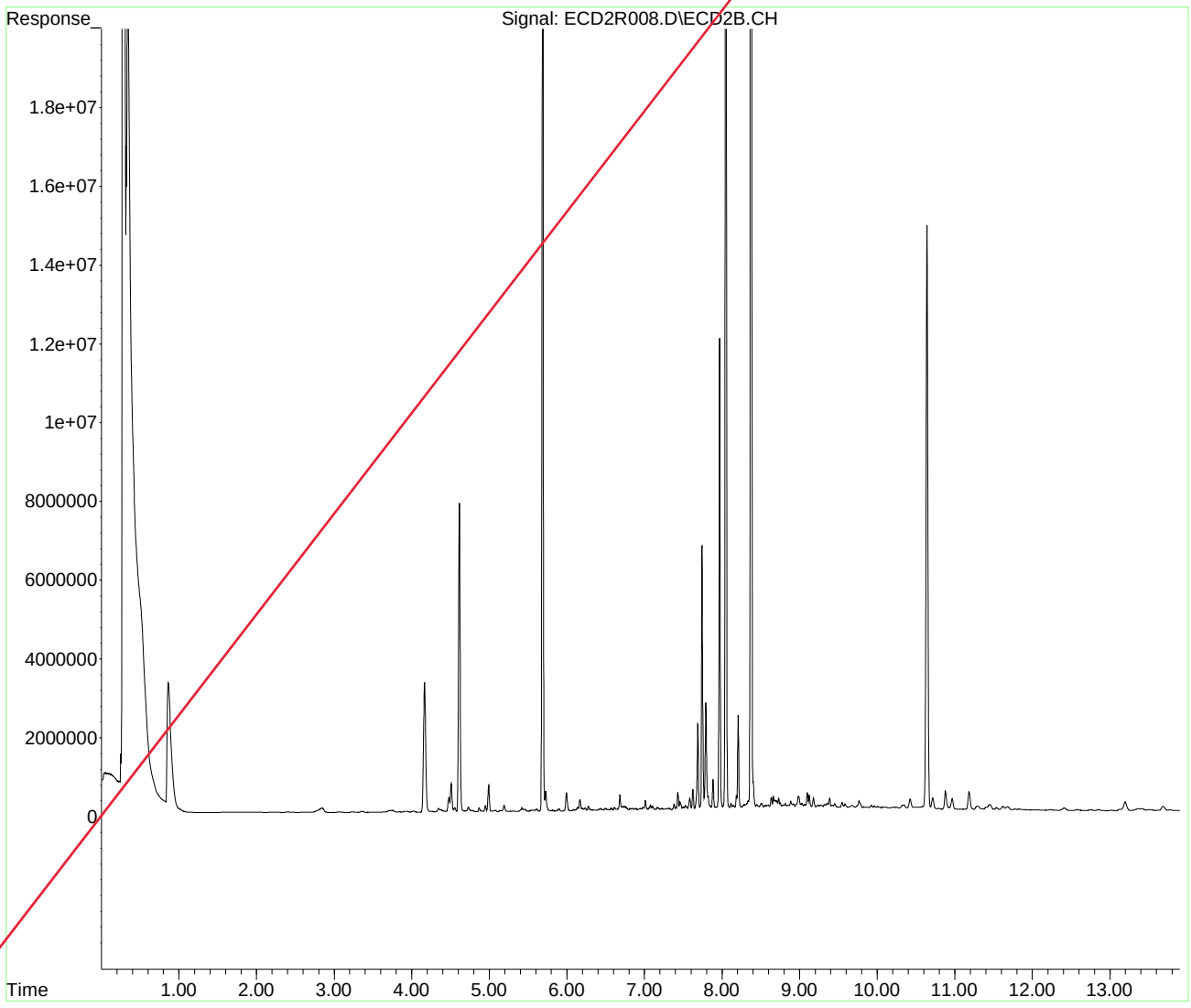
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:23 am
Operator : MJB / KAK
Sample : A0F0667-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:09 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06029\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:59 am
Operator : MJB / KAK
Sample : 0G06029-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

KAK 7/6/2020

Integration File: events.e
Quant Time: Jul 06 13:32:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	77333881	274.930	ng/ml	
64) S	DCBP (S)	10.636	35005914	241.868	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.352	3988771	400.031	ng/ml	
3)	Aroclor 1016 (2)	6.839	6837817	415.014	ng/ml	
4)	Aroclor 1016 (3)	6.966	3290333	392.745	ng/ml	
5)	Aroclor 1016 (4)	7.053	3141523	383.625	ng/ml	Q-31
6)	Aroclor 1016 (5)	7.099	3487023	383.488	ng/ml	
7)	Aroclor 1016 (6)	7.224	3350593	366.550	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.855	269979	112.470	ng/ml	
10)	Aroclor 1221 (2)	5.929	524427	226.433	ng/ml	
11)	Aroclor 1221 (3)	6.015	2475070	325.907	ng/ml	
12)	Aroclor 1221 (4)	6.524	2338539	1509.463	ng/ml	
13)	Aroclor 1221 (5)	6.839	6837817	5879.317	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.015	2475070	406.589	ng/ml	
16)	Aroclor 1232 (2)	6.352	3988771	1023.332	ng/ml	
17)	Aroclor 1232 (3)	6.839	6837817	1083.685	ng/ml	
18)	Aroclor 1232 (4)	7.053	3141523	1215.544	ng/ml	
19)	Aroclor 1232 (5)	7.099	3487023	1130.252	ng/ml	
20)	Aroclor 1232 (6)	7.224	3350593	1073.920	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.352	3988771	570.077	ng/ml	
23)	Aroclor 1242 (2)	6.839	6837817	566.147	ng/ml	
24)	Aroclor 1242 (3)	6.966	3290333	559.505	ng/ml	
25)	Aroclor 1242 (4)	7.053	3141523	592.688	ng/ml	
26)	Aroclor 1242 (5)	7.099	3487023	547.819	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:59 am
Operator : MJB / KAK
Sample : 0G06029-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.224	3350593	534.565	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.812	5925929	748.554	ng/ml	
30)	Aroclor 1248 (2)	7.053	3141523	319.809	ng/ml	
31)	Aroclor 1248 (3)	7.099	3487023	376.458	ng/ml	
32)	Aroclor 1248 (4)	7.224	3350593	303.223	ng/ml	
33)	Aroclor 1248 (5)	7.588	693161	50.753	ng/ml	
34)	Aroclor 1248 (6)	7.747	2648127	236.508	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.566	2336199	177.296	ng/ml	
37)	Aroclor 1254 (2)	7.747	2648127	130.025	ng/ml	
38)	Aroclor 1254 (3)	8.057	1505778	67.764	ng/ml	
39)	Aroclor 1254 (4)	8.296	1025330	61.267	ng/ml	
40)	Aroclor 1254 (5)	8.632	8198965	497.113	ng/ml	
41)	Aroclor 1254 (6)	8.851	1213271	235.174	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.194	6662933	390.591	ng/ml	
44)	Aroclor 1260 (2)	8.400	8113335	387.293	ng/ml	
45)	Aroclor 1260 (3)	8.632	8198965	389.937	ng/ml	
46)	Aroclor 1260 (4)	9.119	12887079	389.748	ng/ml	Q-31
47)	Aroclor 1260 (5)	9.383	7702760	405.380	ng/ml	
48)	Aroclor 1260 (6)	9.958	2871615	369.300	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.400	8113335	537.429	ng/ml	
51)	Aroclor 1262 (2)	8.702	5798257	271.035	ng/ml	
52)	Aroclor 1262 (3)	8.879	5878246	350.444	ng/ml	
53)	Aroclor 1262 (4)	9.119	12887079	353.553	ng/ml	
54)	Aroclor 1262 (5)	9.383	7702760	364.739	ng/ml	
55)	Aroclor 1262 (6)	9.958	2871615	289.193	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.921	413709	44.226	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:59 am
Operator : MJB / KAK
Sample : 0G06029-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.383	7702760	196.213	ng/ml
59)	Aroclor 1268 (3)	9.449	3111434	96.219	ng/ml
60)	Aroclor 1268 (4)	9.670	172440	6.406	ng/ml
61)	Aroclor 1268 (5)	9.958	2871615	264.766	ng/ml
62)	Aroclor 1268 (6)	10.314	707378	9.829	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

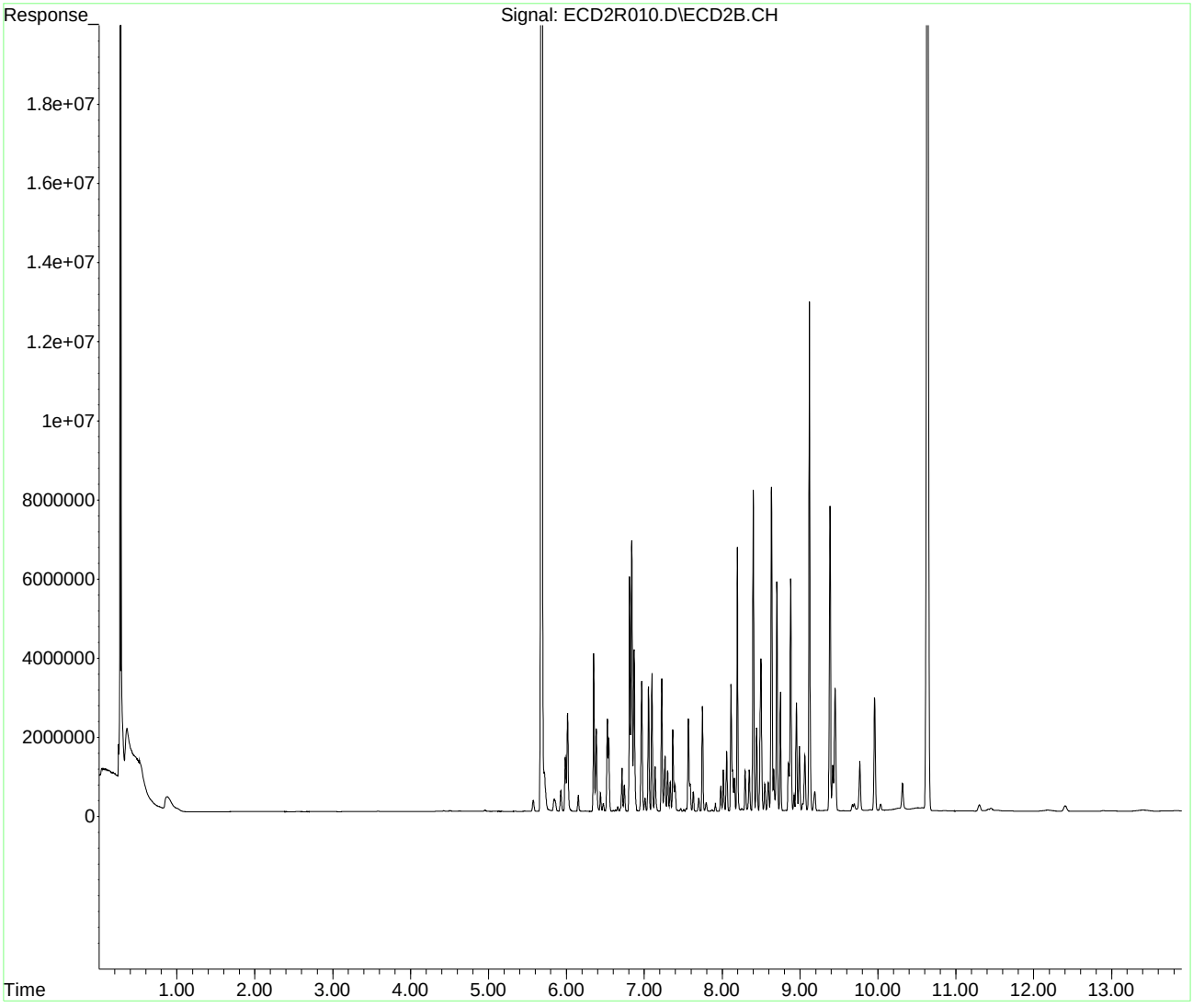
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 9:59 am
Operator : MJB / KAK
Sample : 0G06029-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0G06029\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 10:16 am
Operator : MJB / KAK
Sample : 0G06029-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 7/6/2020

Q-31

Integration File: events.e
Quant Time: Jul 06 13:32:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.681	28767954	102.273	ng/ml
64)	S DCBP (S)	10.634	13480159	93.139	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.358	2405	0.241	ng/ml
3)	Aroclor 1016 (2)	6.849	3757	0.228	ng/ml
4)	Aroclor 1016 (3)	6.964	2420	0.289	ng/ml
5)	Aroclor 1016 (4)	7.058	1567	0.191	ng/ml
6)	Aroclor 1016 (5)	7.104	1352	0.149	ng/ml
7)	Aroclor 1016 (6)	7.226	1087	0.119	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.851	6465	2.693	ng/ml
10)	Aroclor 1221 (2)	5.929	2920	1.261	ng/ml
11)	Aroclor 1221 (3)	5.987	556597	73.290	ng/ml
12)	Aroclor 1221 (4)	6.528	3319	2.143	ng/ml
13)	Aroclor 1221 (5)	6.849	3757	3.230	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.987	556597	91.434	ng/ml
16)	Aroclor 1232 (2)	6.358	2405	0.617	ng/ml
17)	Aroclor 1232 (3)	6.849	3757	0.595	ng/ml
18)	Aroclor 1232 (4)	7.058	1567	0.606	ng/ml
19)	Aroclor 1232 (5)	7.104	1352	0.438	ng/ml
20)	Aroclor 1232 (6)	7.226	1087	0.348	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.358	2405	0.344	ng/ml
23)	Aroclor 1242 (2)	6.849	3757	0.311	ng/ml
24)	Aroclor 1242 (3)	6.964	2420	0.411	ng/ml
25)	Aroclor 1242 (4)	7.058	1567	0.296	ng/ml
26)	Aroclor 1242 (5)	7.104	1352	0.212	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 10:16 am
Operator : MJB / KAK
Sample : 0G06029-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.226	1087	0.173 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.824	3969	0.501 ng/ml
30)	Aroclor 1248 (2)	7.058	1567	0.159 ng/ml
31)	Aroclor 1248 (3)	7.104	1352	0.146 ng/ml
32)	Aroclor 1248 (4)	7.226	1087	0.098 ng/ml
33)	Aroclor 1248 (5)	7.595	8033	0.588 ng/ml
34)	Aroclor 1248 (6)	7.745	10765	0.961 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.595	8033	0.610 ng/ml
37)	Aroclor 1254 (2)	7.745	10765	0.529 ng/ml
38)	Aroclor 1254 (3)	8.045	1660	0.075 ng/ml
39)	Aroclor 1254 (4)	8.315	2715	0.162 ng/ml
40)	Aroclor 1254 (5)	8.633	2543	0.154 ng/ml
41)	Aroclor 1254 (6)	8.859	1969	0.382 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.196	2418	0.142 ng/ml
44)	Aroclor 1260 (2)	8.400	2844	0.136 ng/ml
45)	Aroclor 1260 (3)	8.633	2543	0.121 ng/ml
46)	Aroclor 1260 (4)	9.121	4079	0.123 ng/ml
47)	Aroclor 1260 (5)	9.379	3970	0.209 ng/ml
48)	Aroclor 1260 (6)	9.960	15143	1.947 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.400	2844	0.188 ng/ml
51)	Aroclor 1262 (2)	8.700	4217	0.197 ng/ml
52)	Aroclor 1262 (3)	8.886	18000	1.073 ng/ml
53)	Aroclor 1262 (4)	9.121	4079	0.112 ng/ml
54)	Aroclor 1262 (5)	9.379	3970	0.188 ng/ml
55)	Aroclor 1262 (6)	9.960	15143	1.525 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.951	1893	0.202 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 10:16 am
Operator : MJB / KAK
Sample : 0G06029-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.379	3970	0.101 ng/ml
59)	Aroclor 1268 (3)	9.450	2799	0.087 ng/ml
60)	Aroclor 1268 (4)	9.669	34051	1.265 ng/ml
61)	Aroclor 1268 (5)	9.960	15143	1.396 ng/ml
62)	Aroclor 1268 (6)	10.316	63360	0.880 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

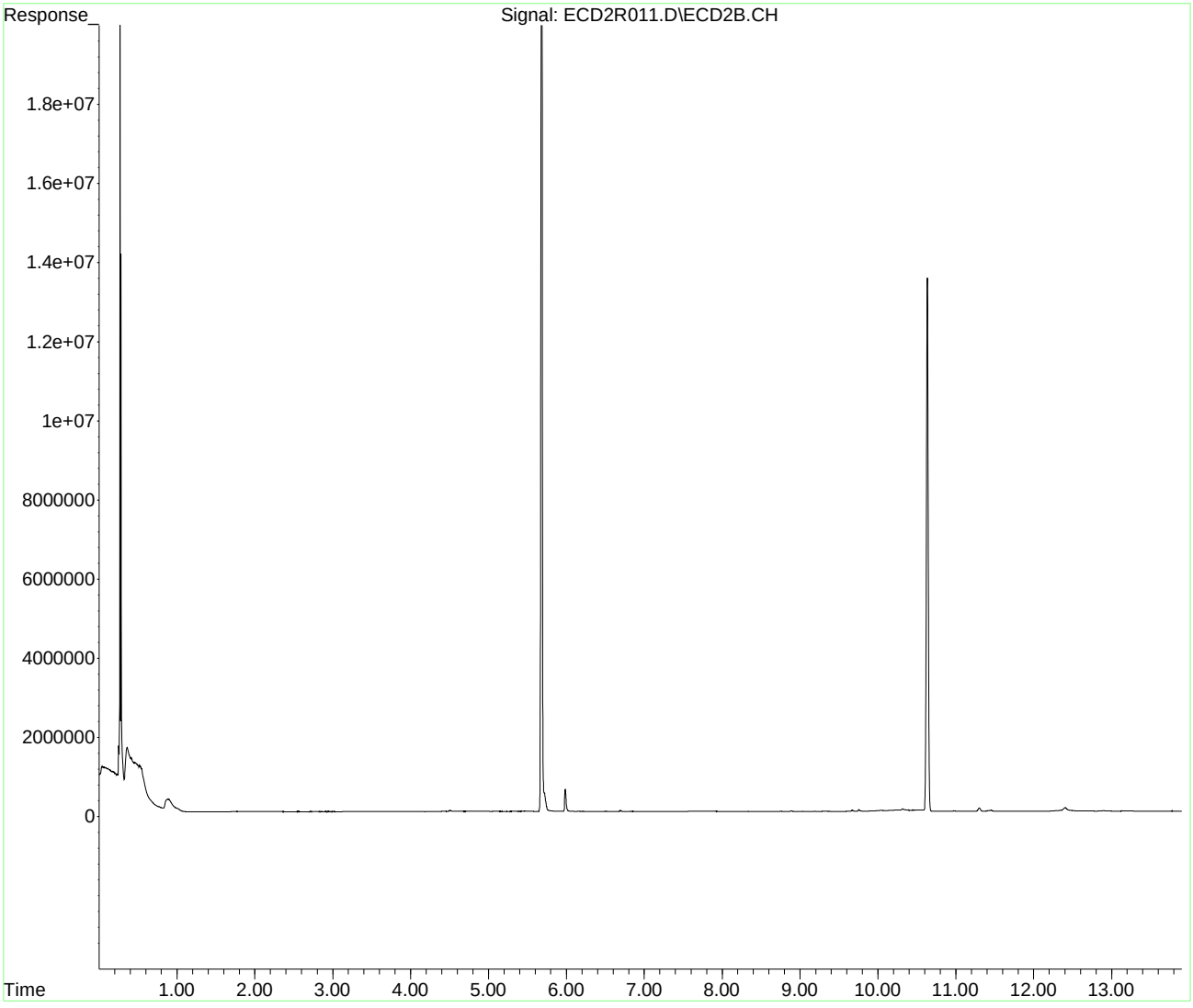
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0G06029\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 06 Jul 2020 10:16 am
Operator : MJB / KAK
Sample : 0G06029-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jul 06 13:32:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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 0F22030 (Cal ID A0F2307) DUALECD2F

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0F22030	Instrument:	DUALECD2F
Date:	**06/22/20 06:10**	Calibration:	**A0F2307**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F22030-ICB1	Water	QC	QC				A20F087
2	0F22030-CAL1	Water	QC	QC				A20F180
3	0F22030-CAL2	Water	QC	QC				A20F181
4	0F22030-CAL3	Water	QC	QC				A20F183
5	0F22030-CAL4	Water	QC	QC				A20F184
6	0F22030-CAL5	Water	QC	QC				A20F177
7	0F22030-CAL6	Water	QC	QC				A20F178
8	0F22030-CAL7	Water	QC	QC				A20F179
9	0F22030-IBL1	Water	QC	QC				
10	0F22030-ICV1	Water	QC	QC				A20B355
11	0F22030-CAL8	Water	QC	QC				A20C117
12	0F22030-CAL9	Water	QC	QC				A20B322
13	0F22030-CALA	Water	QC	QC				A20B323
14	0F22030-CALB	Water	QC	QC				A20B324
15	0F22030-CALC	Water	QC	QC				A20B325
16	0F22030-CALD	Water	QC	QC				A20B326
17	0F22030-CALE	Water	QC	QC				A20B327
18	0F22030-ICV2	Water	QC	QC				A20B353
19	0F22030-ICV3	Water	QC	QC				A20D351
20	0F22030-ICV4	Water	QC	QC				A20B354
21	0F22030-ICV5	Water	QC	QC				A20B130

Comments:

Data Entered By/Date: KAK 6/24/2020

Data Reviewed By/Date: MKZ 6/24/2020

Calibration Status Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_200622.M
Title : PCB Data Analysis
Last Update : Tue Jun 23 11:23:31 2020
Response Via : Initial Calibration

KAK 6/23/2020

Calibration: A0F2307

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0F22030\ECD2F010.D
2	2	25	0	K:\DATA\0F22030\ECD2F011.D
3	3	50	0	K:\DATA\0F22030\ECD2F012.D
4	4	100	0	K:\DATA\0F22030\ECD2F013.D
5	5	250	0	K:\DATA\0F22030\ECD2F021.D
6	6	500	0	K:\DATA\0F22030\ECD2F015.D
7	7	800	0	K:\DATA\0F22030\ECD2F016.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jun 23 10:47 2020	Jun 23 10:39 2020	22 Jun 2020 17:40
2	2	Jun 23 10:47 2020	Jun 23 10:40 2020	22 Jun 2020 17:58
3	3	Jun 23 10:47 2020	Jun 23 10:42 2020	22 Jun 2020 18:15
4	4	Jun 23 10:48 2020	Jun 23 10:44 2020	22 Jun 2020 18:33
5	5	Jun 23 11:23 2020	Jun 23 11:14 2020	22 Jun 2020 20:54
6	6	Jun 23 10:48 2020	Jun 23 10:45 2020	22 Jun 2020 19:08
7	7	Jun 23 10:48 2020	Jun 23 10:46 2020	22 Jun 2020 19:26

FECD2_QUANTPCB_200622.M Tue Jun 23 16:04:13 2020

Response Factor Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_200622.M
Title : PCB Data Analysis
Last Update : Tue Jun 23 11:23:31 2020
Response Via : Initial Calibration

KAK 6/23/2020

Calibration Files
1 =ECD2F010.D 2 =ECD2F011.D 3 =ECD2F012.D
4 =ECD2F013.D 5 =ECD2F021.D 6 =ECD2F015.D

		Compound	1	2	3	4	5	6	Avg		%RSD	
1)	S	TCMX (S)	1.321	1.346	1.380	1.353	1.432	1.496	1.420	E5	7.31	
2)		Aroclor 1016 ...	5.734	5.012	4.888	4.555	4.623	4.290	4.790	E3	10.12	✓
3)		Aroclor 1016 ...	1.090	1.006	0.999	0.999	0.985	1.003	1.009	E4	3.64	✓
4)		Aroclor 1016 ...	6.112	5.445	5.461	5.186	5.199	5.141	5.386	E3	6.45	✓
5)		Aroclor 1016 ...	4.660	4.149	4.104	3.799	3.711	3.763	3.995	E3	8.54	✓
6)		Aroclor 1016 ...	5.869	5.270	5.070	5.027	4.873	4.826	5.140	E3	6.85	✓
7)		Aroclor 1016 (6)	4.339	3.927	3.819	3.497	3.724	3.514	3.782	E3	7.68	✓
8)		Aroclor 1016 ...							0.000		-1.00	
9)		Aroclor 1221 (1)					1.738		1.738	E3	0.00	
10)		Aroclor 1221 (2)					1.112		1.112	E3	0.00	
11)		Aroclor 1221 (3)					3.620		3.620	E3	0.00	
12)		Aroclor 1221 (4)					5.857		5.857	E2	0.00	
13)		Aroclor 1221 (5)					7.004		7.004	E2	0.00	
14)		Aroclor 1221 ...							0.000		-1.00	
15)		Aroclor 1232 (1)					3.032		3.032	E3	0.00	
16)		Aroclor 1232 (2)					3.932		3.932	E3	0.00	
17)		Aroclor 1232 (3)					2.182		2.182	E3	0.00	
18)		Aroclor 1232 (4)					1.290		1.290	E3	0.00	
19)		Aroclor 1232 (5)					1.828		1.828	E3	0.00	
20)		Aroclor 1232 (6)					1.538		1.538	E3	0.00	
21)		Aroclor 1232 ...							0.000		-1.00	
22)		Aroclor 1242 ...					3.503		3.503	E3	0.00	
23)		Aroclor 1242 ...					7.503		7.503	E3	0.00	
24)		Aroclor 1242 ...					3.975		3.975	E3	0.00	
25)		Aroclor 1242 ...					2.616		2.616	E3	0.00	
26)		Aroclor 1242 ...					3.747		3.747	E3	0.00	
27)		Aroclor 1242 (6)					3.277		3.277	E3	0.00	
28)		Aroclor 1242 ...							0.000		-1.00	
29)		Aroclor 1248 ...					4.624		4.624	E3	0.00	
30)		Aroclor 1248 ...					5.015		5.015	E3	0.00	
31)		Aroclor 1248 ...					6.110		6.110	E3	0.00	
32)		Aroclor 1248 ...					7.327		7.327	E3	0.00	
33)		Aroclor 1248 ...					7.877		7.877	E3	0.00	
34)		Aroclor 1248 (6)					3.933		3.933	E3	0.00	
35)		Aroclor 1248 ...							0.000		-1.00	
36)		Aroclor 1254 ...					7.058		7.058	E3	0.00	
37)		Aroclor 1254 ...					8.536		8.536	E3	0.00	
38)		Aroclor 1254 ...					1.355		1.355	E4	0.00	
39)		Aroclor 1254 ...					9.258		9.258	E3	0.00	
40)		Aroclor 1254 ...					9.233		9.233	E3	0.00	
41)		Aroclor 1254 (6)					3.004		3.004	E3	0.00	
42)		Aroclor 1254 ...							0.000		-1.00	

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_200622.M
Title : PCB Data Analysis
Last Update : Tue Jun 23 11:23:31 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD2F010.D 2 =ECD2F011.D 3 =ECD2F012.D
4 =ECD2F013.D 5 =ECD2F021.D 6 =ECD2F015.D

		Compound	1	2	3	4	5	6	Avg		%RSD	
43)		Aroclor 1260 ...	1.094	0.989	0.954	0.908	0.923	0.930	0.960	E4	6.76	✓
44)		Aroclor 1260 ...	1.322	1.187	1.123	1.145	1.182	1.159	1.185	E4	5.47	✓
45)		Aroclor 1260 (3)	1.043	0.937	0.908	0.874	0.883	0.903	0.928	E4	6.15	✓
46)		Aroclor 1260 (4)	2.294	2.128	2.107	2.062	2.189	2.216	2.187	E4	4.31	✓
47)		Aroclor 1260 (5)	1.514	1.391	1.357	1.396	1.420	1.476	1.436	E4	4.19	✓
48)		Aroclor 1260 (6)	7.039	6.236	5.795	5.544	5.692	5.557	5.943	E3	9.01	✓
49)		Aroclor 1260 ...							0.000		-1.00	
50)		Aroclor 1262 (1)					9.072		9.072	E3	0.00	
51)		Aroclor 1262 (2)					1.274		1.274	E4	0.00	
52)		Aroclor 1262 (3)					1.113		1.113	E4	0.00	
53)		Aroclor 1262 (4)					2.389		2.389	E4	0.00	
54)		Aroclor 1262 (5)					1.448		1.448	E4	0.00	
55)		Aroclor 1262 (6)					7.636		7.636	E3	0.00	
56)		Aroclor 1262 ...							0.000		-1.00	
57)		Aroclor 1268 (1)					5.706		5.706	E3	0.00	
58)		Aroclor 1268 (2)					2.774		2.774	E4	0.00	
59)		Aroclor 1268 (3)					2.355		2.355	E4	0.00	
60)		Aroclor 1268 (4)					2.154		2.154	E4	0.00	
61)		Aroclor 1268 (5)					8.441		8.441	E3	0.00	
62)		Aroclor 1268 (6)					6.445		6.445	E4	0.00	
63)		Aroclor 1268 ...							0.000		-1.00	
64)	S	DCBP (S)	1.223	1.160	1.176	1.218	1.252	1.321	1.249	E5	6.56	✓

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

Compound List Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_200622.M
Title : PCB Data Analysis
Last Update : Tue Jun 23 11:23:31 2020
Response Via : Initial Calibration

KAK 6/23/2020

Total Cpnds : 64

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	4.879	1.000	A	H	L
2		Aroclor 1016 (1)	5.797	1.000	A	H	R
3		Aroclor 1016 (2)	6.210	1.000	A	H	R
4		Aroclor 1016 (3)	6.292	1.000	A	H	R
5		Aroclor 1016 (4)	6.450	1.000	A	H	R
6		Aroclor 1016 (5)	6.673	1.000	A	H	R
7		Aroclor 1016 (6)	6.800	1.000	A	H	R
8		Aroclor 1016 - AVE	0.839	1.000	A	H	R
9		Aroclor 1221 (1)	5.236	1.000	A	H	R
10		Aroclor 1221 (2)	5.355	1.000	A	H	R
11		Aroclor 1221 (3)	5.435	1.000	A	H	R
12		Aroclor 1221 (4)	5.903	1.000	A	H	R
13		Aroclor 1221 (5)	6.210	1.000	A	H	R
14		Aroclor 1221 - AVE	0.839	1.000	A	H	R
15		Aroclor 1232 (1)	5.435	1.000	A	H	R
16		Aroclor 1232 (2)	6.210	1.000	A	H	R
17		Aroclor 1232 (3)	6.292	1.000	A	H	R
18		Aroclor 1232 (4)	6.449	1.000	A	H	R
19		Aroclor 1232 (5)	6.673	1.000	A	H	R
20		Aroclor 1232 (6)	6.800	1.000	A	H	R
21		Aroclor 1232 - AVE	0.839	1.000	A	H	R
22		Aroclor 1242 (1)	5.797	1.000	A	H	R
23		Aroclor 1242 (2)	6.210	1.000	A	H	R
24		Aroclor 1242 (3)	6.291	1.000	A	H	R
25		Aroclor 1242 (4)	6.450	1.000	A	H	R
26		Aroclor 1242 (5)	6.673	1.000	A	H	R
27		Aroclor 1242 (6)	6.800	1.000	A	H	R
28		Aroclor 1242 - AVE	0.839	1.000	A	H	R
29		Aroclor 1248 (1)	6.211	1.000	A	H	R
30		Aroclor 1248 (2)	6.451	1.000	A	H	R
31		Aroclor 1248 (3)	6.673	1.000	A	H	R
32		Aroclor 1248 (4)	6.968	1.000	A	H	R
33		Aroclor 1248 (5)	7.006	1.000	A	H	R
34		Aroclor 1248 (6)	7.484	1.000	A	H	R
35		Aroclor 1248 - AVE	0.839	1.000	A	H	R
36		Aroclor 1254 (1)	7.003	1.000	A	H	R
37		Aroclor 1254 (2)	7.111	1.000	A	H	R
38		Aroclor 1254 (3)	7.485	1.000	A	H	R
39		Aroclor 1254 (4)	7.649	1.000	A	H	R
40		Aroclor 1254 (5)	8.032	1.000	A	H	R
41		Aroclor 1254 (6)	8.325	1.000	A	H	R
42		Aroclor 1254 - AVE	0.839	1.000	A	H	R
43		Aroclor 1260 (1)	7.603	1.000	A	H	R
44		Aroclor 1260 (2)	7.735	1.000	A	H	R
45		Aroclor 1260 (3)	8.295	1.000	A	H	R
46		Aroclor 1260 (4)	8.464	1.000	A	H	R
47		Aroclor 1260 (5)	8.765	1.000	A	H	R
48		Aroclor 1260 (6)	9.164	1.000	A	H	R
49		Aroclor 1260 - AVE	0.839	1.000	A	H	R
50		Aroclor 1262 (1)	7.736	1.000	A	H	R
51		Aroclor 1262 (2)	8.062	1.000	A	H	R
52		Aroclor 1262 (3)	8.295	1.000	A	H	R
53		Aroclor 1262 (4)	8.464	1.000	A	H	R
54		Aroclor 1262 (5)	8.764	1.000	A	H	R
55		Aroclor 1262 (6)	9.163	1.000	A	H	R
56		Aroclor 1262 - AVE	0.839	1.000	A	H	R

57		Aroclor 1268 (1)	8.287	1.000	A	H	R
58		Aroclor 1268 (2)	8.714	1.000	A	H	R
59		Aroclor 1268 (3)	8.761	1.000	A	H	R
60		Aroclor 1268 (4)	8.945	1.000	A	H	R
61		Aroclor 1268 (5)	9.164	1.000	A	H	R
62		Aroclor 1268 (6)	9.433	1.000	A	H	R
63		Aroclor 1268 - AVE	0.842	1.000	A	H	R
64	S	DCBP (S)	9.678	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_200622.M Tue Jun 23 16:04:02 2020

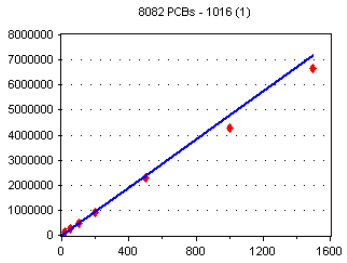
Element Calibration Review Sheet

Calibration ID: **A0F2307** Instrument: **DUALECD2F** Calibration Date: **06/23/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20062**

1016 (1)

Curve Fit: **AVERAGE RF**

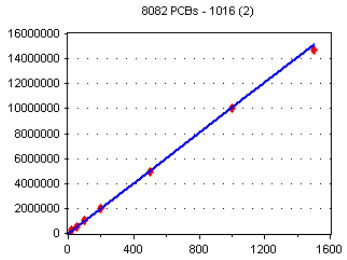


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	114671	5733.550	5.80
0F22030-CAL2	50	250610	5012.200	5.80
0F22030-CAL3	100	488759	4887.590	5.80
0F22030-CAL4	200	910941	4554.705	5.80
0F22030-CAL5	500	2311712	4623.424	5.80
0F22030-CAL6	1000	4290376	4290.376	5.80
0F22030-CAL7	1500	6647447	4431.631	5.80

AVE RF **4790.497** RF RSD **10.12** AVE RT **5.80**

1016 (2)

Curve Fit: **AVERAGE RF**

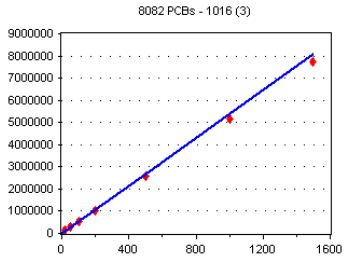


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	217974	10898.700	6.21
0F22030-CAL2	50	502949	10058.980	6.21
0F22030-CAL3	100	999098	9990.980	6.21
0F22030-CAL4	200	1998027	9990.135	6.21
0F22030-CAL5	500	4925919	9851.838	6.21
0F22030-CAL6	1000	003204E+07	10032.040	6.21
0F22030-CAL7	1500	472006E+07	9813.373	6.21

AVE RF **10090.860** RF RSD **3.64** AVE RT **6.21**

1016 (3)

Curve Fit: **AVERAGE RF**

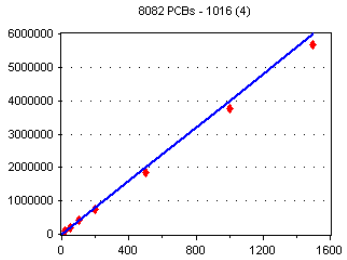


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	122243	6112.150	6.29
0F22030-CAL2	50	272260	5445.200	6.29
0F22030-CAL3	100	546054	5460.540	6.29
0F22030-CAL4	200	1037136	5185.680	6.29
0F22030-CAL5	500	2599280	5198.560	6.29
0F22030-CAL6	1000	5140921	5140.921	6.29
0F22030-CAL7	1500	7735185	5156.790	6.29

AVE RF **5385.692** RF RSD **6.45** AVE RT **6.29**

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	93210	4660.500	6.45
0F22030-CAL2	50	207464	4149.280	6.45
0F22030-CAL3	100	410421	4104.210	6.45
0F22030-CAL4	200	759854	3799.270	6.45
0F22030-CAL5	500	1855679	3711.358	6.45
0F22030-CAL6	1000	3762955	3762.955	6.45
0F22030-CAL7	1500	5666348	3777.565	6.45

AVE RF **3995.020** RF RSD **8.54** AVE RT **6.45**

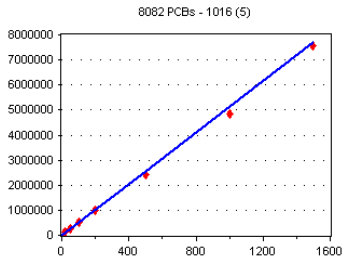
Element Calibration Review Sheet

Calibration ID: **A0F2307** Instrument: **DUALECD2F** Calibration Date: **06/23/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20062**

1016 (5)

Curve Fit: **AVERAGE RF**

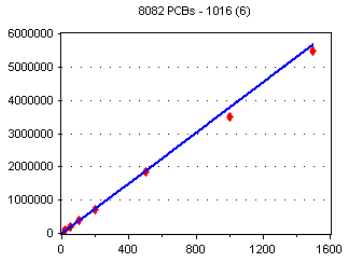


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	117378	5868.900	6.67
0F22030-CAL2	50	263506	5270.120	6.67
0F22030-CAL3	100	507036	5070.360	6.67
0F22030-CAL4	200	1005387	5026.935	6.67
0F22030-CAL5	500	2436748	4873.496	6.67
0F22030-CAL6	1000	4825909	4825.909	6.67
0F22030-CAL7	1500	7568085	5045.390	6.67

AVE RF **5140.159** RF RSD **6.85** AVE RT **6.67**

1016 (6)

Curve Fit: **AVERAGE RF**

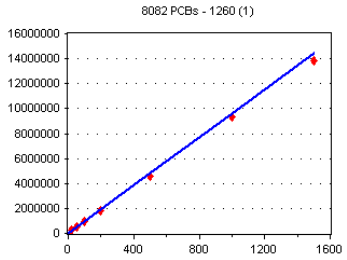


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	86779	4338.950	6.80
0F22030-CAL2	50	196343	3926.860	6.80
0F22030-CAL3	100	381893	3818.930	6.80
0F22030-CAL4	200	699487	3497.435	6.80
0F22030-CAL5	500	1862202	3724.404	6.80
0F22030-CAL6	1000	3513537	3513.537	6.80
0F22030-CAL7	1500	5477513	3651.675	6.80

AVE RF **3781.685** RF RSD **7.68** AVE RT **6.80**

1260 (1)

Curve Fit: **AVERAGE RF**

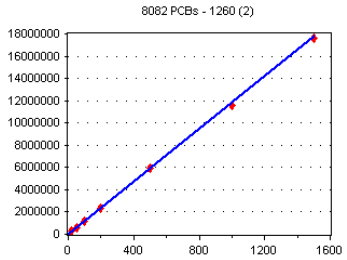


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	218884	10944.200	7.60
0F22030-CAL2	50	494275	9885.500	7.60
0F22030-CAL3	100	953992	9539.920	7.60
0F22030-CAL4	200	1816042	9080.210	7.60
0F22030-CAL5	500	4613025	9226.050	7.60
0F22030-CAL6	1000	9304677	9304.677	7.60
0F22030-CAL7	1500	383827E+07	9225.514	7.61

AVE RF **9600.867** RF RSD **6.76** AVE RT **7.60**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	264494	13224.700	7.74
0F22030-CAL2	50	593624	11872.480	7.74
0F22030-CAL3	100	1122579	11225.790	7.74
0F22030-CAL4	200	2289230	11446.150	7.74
0F22030-CAL5	500	5911126	11822.250	7.74
0F22030-CAL6	1000	158969E+07	11589.690	7.74
0F22030-CAL7	1500	763214E+07	11754.760	7.74

AVE RF **11847.970** RF RSD **5.47** AVE RT **7.74**

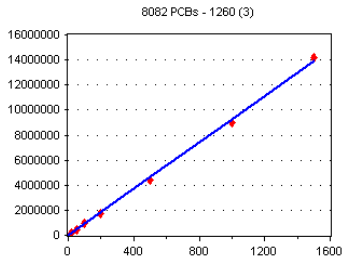
Element Calibration Review Sheet

Calibration ID: **A0F2307** Instrument: **DUALECD2F** Calibration Date: **06/23/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20062**

1260 (3)

Curve Fit: **AVERAGE RF**

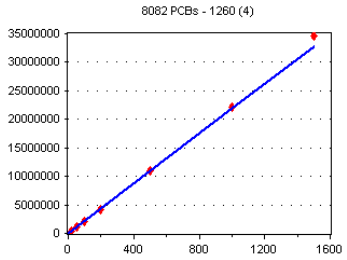


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	208593	10429.650	8.30
0F22030-CAL2	50	468508	9370.160	8.29
0F22030-CAL3	100	908162	9081.620	8.30
0F22030-CAL4	200	1747877	8739.385	8.29
0F22030-CAL5	500	4415322	8830.644	8.30
0F22030-CAL6	1000	9034721	9034.721	8.30
0F22030-CAL7	1500	417967E+07	9453.113	8.30

AVE RF **9277.042** RF RSD **6.15** AVE RT **8.30**

1260 (4)

Curve Fit: **AVERAGE RF**

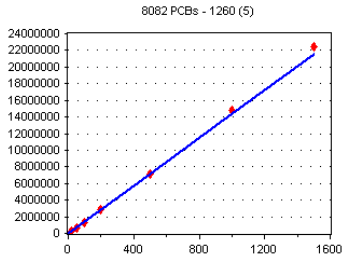


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	458871	22943.550	8.47
0F22030-CAL2	50	1063915	21278.300	8.46
0F22030-CAL3	100	2106967	21069.670	8.46
0F22030-CAL4	200	4124364	20621.820	8.46
0F22030-CAL5	500	094468E+07	21889.360	8.47
0F22030-CAL6	1000	215559E+07	22155.590	8.47
0F22030-CAL7	1500	466666E+07	23111.110	8.47

AVE RF **21867.060** RF RSD **4.31** AVE RT **8.46**

1260 (5)

Curve Fit: **AVERAGE RF**

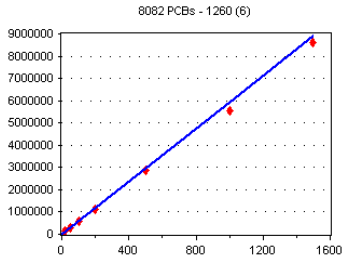


Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	302800	15140.000	8.77
0F22030-CAL2	50	695563	13911.260	8.76
0F22030-CAL3	100	1356736	13567.360	8.77
0F22030-CAL4	200	2791057	13955.290	8.76
0F22030-CAL5	500	7098160	14196.320	8.77
0F22030-CAL6	1000	476204E+07	14762.040	8.77
0F22030-CAL7	1500	247284E+07	14981.890	8.77

AVE RF **14359.170** RF RSD **4.19** AVE RT **8.77**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	20	140770	7038.500	9.16
0F22030-CAL2	50	311796	6235.920	9.16
0F22030-CAL3	100	579494	5794.940	9.16
0F22030-CAL4	200	1108866	5544.330	9.16
0F22030-CAL5	500	2845981	5691.962	9.16
0F22030-CAL6	1000	5556964	5556.964	9.16
0F22030-CAL7	1500	8609687	5739.792	9.16

AVE RF **5943.201** RF RSD **9.01** AVE RT **9.16**

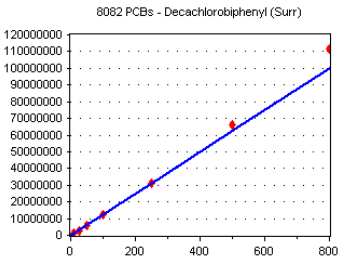
Element Calibration Review Sheet

Calibration ID: **A0F2307** Instrument: **DUALECD2F** Calibration Date: **06/23/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20062**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F22030-CAL1	10	1222731	122273.100	9.68
0F22030-CAL2	25	2901210	116048.400	9.68
0F22030-CAL3	50	5880384	117607.700	9.68
0F22030-CAL4	100	218009E+07	121800.900	9.68
0F22030-CAL5	250	129366E+07	125174.600	9.68
0F22030-CAL6	500	605183E+07	132103.700	9.68
0F22030-CAL7	800	113203E+08	139150.400	9.68

AVE RF **124879.800** RF RSD **6.56** AVE RT **9.68**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F22030

Analysis Included

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

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0F22030-ICB1	Initial Cal Blank	Water	A20F087		6/22/2020 5:22:00PM
0F22030-CAL1	Cal Standard	Water	A20F180	"	6/22/2020 5:40:00PM
0F22030-CAL2	Cal Standard	Water	A20F181	"	6/22/2020 5:58:00PM
0F22030-CAL3	Cal Standard	Water	A20F183	"	6/22/2020 6:15:00PM
0F22030-CAL4	Cal Standard	Water	A20F184	"	6/22/2020 6:33:00PM
0F22030-CAL5	Cal Standard	Water	A20F177	"	6/22/2020 6:51:00PM
0F22030-CAL6	Cal Standard	Water	A20F178	"	6/22/2020 7:08:00PM
0F22030-CAL7	Cal Standard	Water	A20F179	"	6/22/2020 7:26:00PM
0F22030-ICV1	Initial Cal Check	Water	A20B355	"	6/22/2020 8:01:00PM
0F22030-CAL8	Cal Standard	Water	A20C117	"	6/22/2020 8:19:00PM
0F22030-CAL9	Cal Standard	Water	A20B322	"	6/22/2020 8:37:00PM
0F22030-CALA	Cal Standard	Water	A20B323	"	6/22/2020 8:54:00PM
0F22030-CALB	Cal Standard	Water	A20B324	"	6/22/2020 9:12:00PM
0F22030-CALC	Cal Standard	Water	A20B325	"	6/22/2020 9:29:00PM
0F22030-CALD	Cal Standard	Water	A20B326	"	6/22/2020 9:47:00PM
0F22030-CALE	Cal Standard	Water	A20B327	"	6/22/2020 10:05:00PM
0F22030-ICV2	Initial Cal Check	Water	A20B353	"	6/22/2020 10:22:00PM
0F22030-ICV3	Initial Cal Check	Water	A20D351	"	6/22/2020 10:40:00PM
0F22030-ICV4	Initial Cal Check	Water	A20B354	"	6/22/2020 10:58:00PM
0F22030-ICV5	Initial Cal Check	Water	A20B130	"	6/22/2020 11:15:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0F2307** Instrument: **DUALECD2F**

1311/8082 TCLP PCBs Sequence: **0F22030** Matrix: **Water**

0F22030-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	
0F22030-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F22030

0F22030-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	
0F22030-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	
0F22030-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	
0F22030-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	
0F22030-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	
0F22030-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1221	0.0000	0.00	500	0	
0F22030-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1232	0.0000	0.00	500	0	
0F22030-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1242	0.0000	0.00	500	0	
0F22030-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1248	0.0000	0.00	500	0	
0F22030-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1254	0.0000	0.00	500	0	
0F22030-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1262	0.0000	0.00	500	0	
0F22030-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1268	0.0000	0.00	500	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F22030

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: **A0F2307** Instrument: **DUALECD2F**

608.3 PCBs - LL (1000/1mL) + Sequence: **0F22030** Matrix: **Water**

0F22030-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	
1260 (6)		500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	
1260 (6)	20	500	**333.03**	67	

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\0F22030\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:22
Operator : MJB / KAK
Sample : 0F22030-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 6/23/2020

Clean

Integration File: PCB1.e
Quant Time: Jun 23 13:51:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.879	14889065	104.829	ng/ml
64) S	DCBP (S)	9.679	12783530	102.367	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.778	10919	2.279	ng/ml
3)	Aroclor 1016 (2)	6.204	23314	2.310	ng/ml
4)	Aroclor 1016 (3)	6.293	14895	2.766	ng/ml
5)	Aroclor 1016 (4)	6.452	14311	3.582	ng/ml
6)	Aroclor 1016 (5)	6.674	369	0.072	ng/ml
7)	Aroclor 1016 (6)	6.804	3490	0.923	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.234	292148	168.066	ng/ml
10)	Aroclor 1221 (2)	5.367	5657	5.086	ng/ml
11)	Aroclor 1221 (3)	5.422	21945	6.062	ng/ml
12)	Aroclor 1221 (4)	5.899	10291	17.570	ng/ml
13)	Aroclor 1221 (5)	6.204	23314	33.286	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.422	21945	7.238	ng/ml
16)	Aroclor 1232 (2)	6.204	23314	5.929	ng/ml
17)	Aroclor 1232 (3)	6.293	14895	6.827	ng/ml
18)	Aroclor 1232 (4)	6.452	14311	11.097	ng/ml
19)	Aroclor 1232 (5)	6.674	369	0.202	ng/ml
20)	Aroclor 1232 (6)	6.804	3490	2.269	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.778	10919	3.117	ng/ml
23)	Aroclor 1242 (2)	6.204	23314	3.107	ng/ml
24)	Aroclor 1242 (3)	6.293	14895	3.747	ng/ml
25)	Aroclor 1242 (4)	6.452	14311	5.471	ng/ml
26)	Aroclor 1242 (5)	6.674	369	0.099	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:22
Operator : MJB / KAK
Sample : 0F22030-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:51:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.804	3490	1.065 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.204	23314	5.042 ng/ml
30)	Aroclor 1248 (2)	6.452	14311	2.854 ng/ml
31)	Aroclor 1248 (3)	6.674	369	0.060 ng/ml
32)	Aroclor 1248 (4)	6.957	4625	0.631 ng/ml
33)	Aroclor 1248 (5)	7.017	11401	1.447 ng/ml
34)	Aroclor 1248 (6)	7.494	4643	1.181 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.017	11401	1.615 ng/ml
37)	Aroclor 1254 (2)	7.112	9073	1.063 ng/ml
38)	Aroclor 1254 (3)	7.494	4643	0.343 ng/ml
39)	Aroclor 1254 (4)	7.648	3925	0.424 ng/ml
40)	Aroclor 1254 (5)	8.046	14472	1.567 ng/ml
41)	Aroclor 1254 (6)	8.325	5223	1.739 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.601	2011	0.209 ng/ml
44)	Aroclor 1260 (2)	7.730	2295	0.194 ng/ml
45)	Aroclor 1260 (3)	8.292	6341	0.684 ng/ml
46)	Aroclor 1260 (4)	8.462	21527	0.984 ng/ml
47)	Aroclor 1260 (5)	8.767	7795	0.543 ng/ml
48)	Aroclor 1260 (6)	9.156	9475	1.594 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.730	2295	0.253 ng/ml
51)	Aroclor 1262 (2)	8.046	14472	1.136 ng/ml
52)	Aroclor 1262 (3)	8.292	6341	0.570 ng/ml
53)	Aroclor 1262 (4)	8.462	21527	0.901 ng/ml
54)	Aroclor 1262 (5)	8.767	7795	0.538 ng/ml
55)	Aroclor 1262 (6)	9.156	9475	1.241 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.292	6341	1.111 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:22
Operator : MJB / KAK
Sample : 0F22030-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:51:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.712	6457	0.233 ng/ml
59)	Aroclor 1268 (3)	8.767	7795	0.331 ng/ml
60)	Aroclor 1268 (4)	8.946	54769	2.542 ng/ml
61)	Aroclor 1268 (5)	9.156	9475	1.123 ng/ml
62)	Aroclor 1268 (6)	9.433	51606	0.801 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

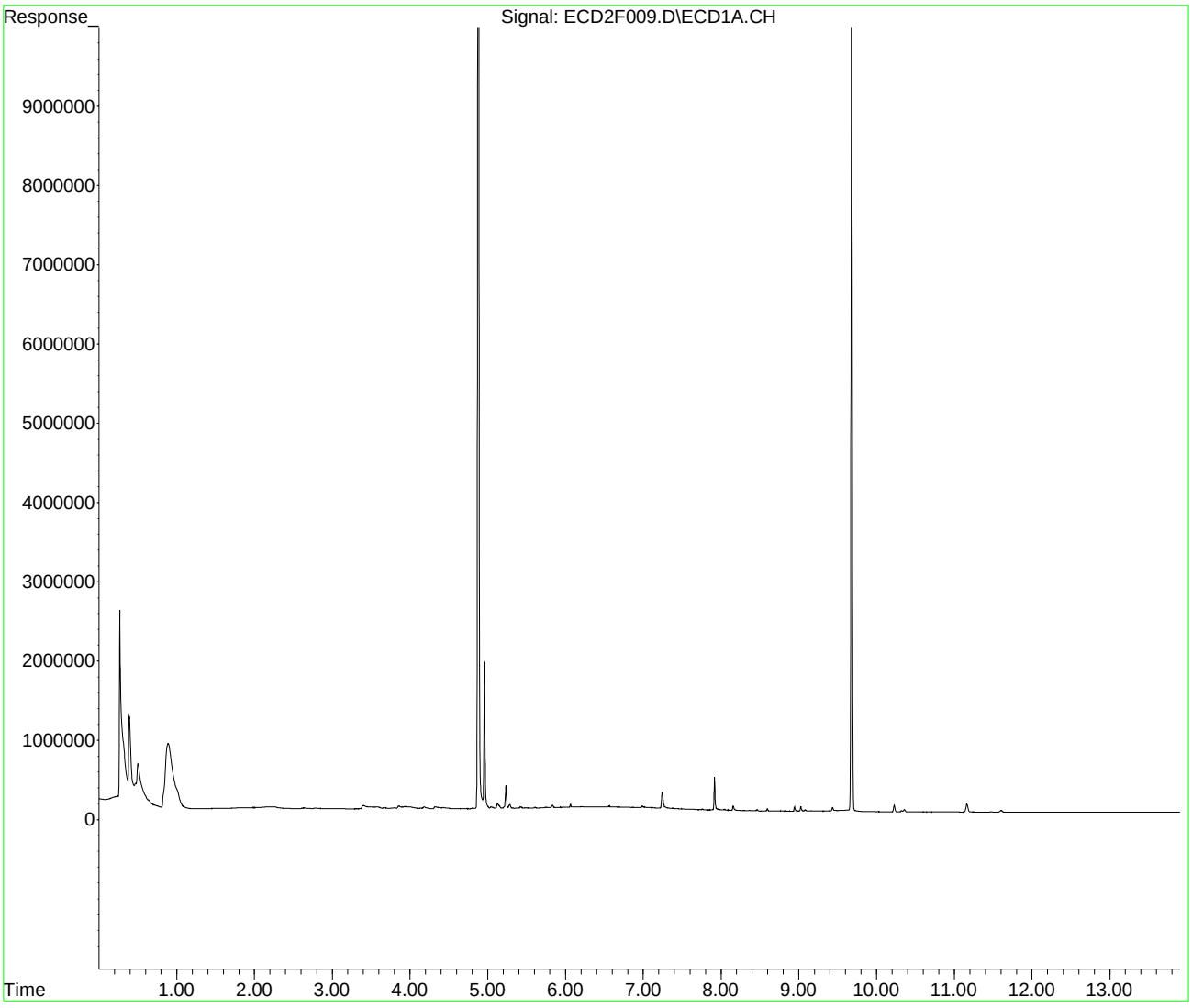
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:22
Operator : MJB / KAK
Sample : 0F22030-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:51:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:44
Operator : MJB / KAK
Sample : 0F22030-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

KAK 6/23/2020

No Carryover

Integration File: PCB1.e
Quant Time: Jun 23 13:52:11 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.874	12741	0.090 ng/ml
64) S	DCBP (S)	9.678	14225	0.114 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.794	4992	1.042 ng/ml
3)	Aroclor 1016 (2)	6.212	13005	1.289 ng/ml
4)	Aroclor 1016 (3)	6.289	4212	0.782 ng/ml
5)	Aroclor 1016 (4)	6.446	2218	0.555 ng/ml
6)	Aroclor 1016 (5)	6.667	482	0.094 ng/ml
7)	Aroclor 1016 (6)	6.803	2259	0.597 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.262	1042	0.600 ng/ml
10)	Aroclor 1221 (2)	5.360	1340	1.205 ng/ml
11)	Aroclor 1221 (3)	5.426	15938	4.402 ng/ml
12)	Aroclor 1221 (4)	5.896	2692	4.596 ng/ml
13)	Aroclor 1221 (5)	6.212	13005	18.567 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.426	15938	5.257 ng/ml
16)	Aroclor 1232 (2)	6.212	13005	3.307 ng/ml
17)	Aroclor 1232 (3)	6.289	4212	1.930 ng/ml
18)	Aroclor 1232 (4)	6.446	2218	1.720 ng/ml
19)	Aroclor 1232 (5)	6.667	482	0.264 ng/ml
20)	Aroclor 1232 (6)	6.803	2259	1.469 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.794	4992	1.425 ng/ml
23)	Aroclor 1242 (2)	6.212	13005	1.733 ng/ml
24)	Aroclor 1242 (3)	6.289	4212	1.060 ng/ml
25)	Aroclor 1242 (4)	6.446	2218	0.848 ng/ml
26)	Aroclor 1242 (5)	6.667	482	0.129 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:44
Operator : MJB / KAK
Sample : 0F22030-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:11 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.803	2259	0.689 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.212	13005	2.812 ng/ml
30)	Aroclor 1248 (2)	6.446	2218	0.442 ng/ml
31)	Aroclor 1248 (3)	6.667	482	0.079 ng/ml
32)	Aroclor 1248 (4)	6.984	20852	2.846 ng/ml
33)	Aroclor 1248 (5)	6.984	20852	2.647 ng/ml
34)	Aroclor 1248 (6)	7.478	2489	0.633 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.984	20852	2.954 ng/ml
37)	Aroclor 1254 (2)	7.114	7768	0.910 ng/ml
38)	Aroclor 1254 (3)	7.478	2489	0.184 ng/ml
39)	Aroclor 1254 (4)	7.648	2344	0.253 ng/ml
40)	Aroclor 1254 (5)	8.031	4673	0.506 ng/ml
41)	Aroclor 1254 (6)	8.323	255	0.085 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.609	2376	0.248 ng/ml
44)	Aroclor 1260 (2)	7.735	2769	0.234 ng/ml
45)	Aroclor 1260 (3)	8.296	1960	0.211 ng/ml
46)	Aroclor 1260 (4)	8.465	5433	0.248 ng/ml
47)	Aroclor 1260 (5)	8.764	3343	0.233 ng/ml
48)	Aroclor 1260 (6)	9.163	1290	0.217 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.735	2769	0.305 ng/ml
51)	Aroclor 1262 (2)	8.061	3047	0.239 ng/ml
52)	Aroclor 1262 (3)	8.296	1960	0.176 ng/ml
53)	Aroclor 1262 (4)	8.465	5433	0.227 ng/ml
54)	Aroclor 1262 (5)	8.764	3343	0.231 ng/ml
55)	Aroclor 1262 (6)	9.163	1290	0.169 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.296	1960	0.344 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:44
Operator : MJB / KAK
Sample : 0F22030-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:11 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.712	1853	0.067 ng/ml
59)	Aroclor 1268 (3)	8.764	3343	0.142 ng/ml
60)	Aroclor 1268 (4)	8.949	599	0.028 ng/ml
61)	Aroclor 1268 (5)	9.163	1290	0.153 ng/ml
62)	Aroclor 1268 (6)	9.435	1154	0.018 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

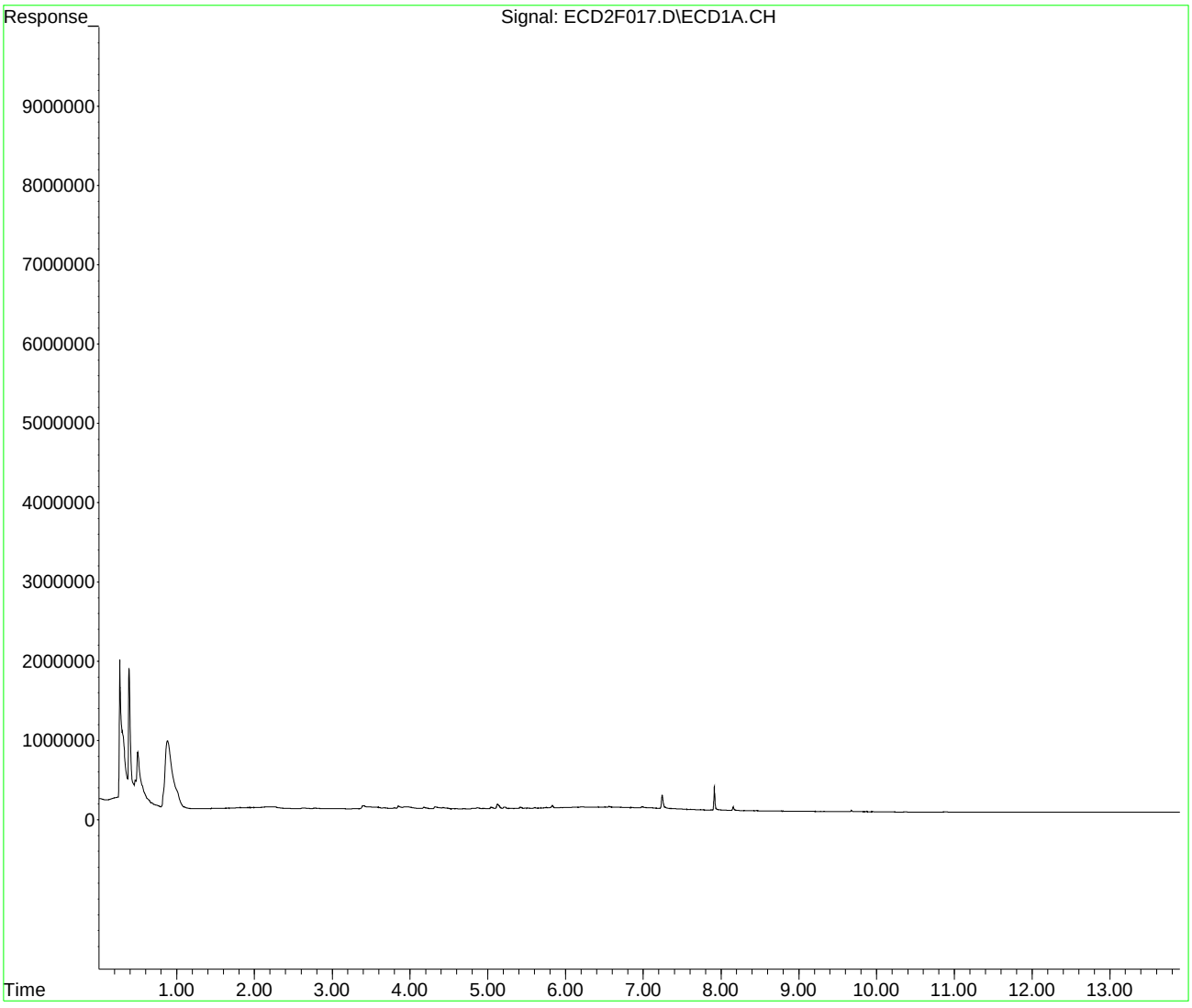
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:44
Operator : MJB / KAK
Sample : 0F22030-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:11 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:01
Operator : MJB / KAK
Sample : 0F22030-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

KAK 6/23/2020

1016, 1260

Integration File: PCB1.e
Quant Time: Jun 23 13:52:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.878	32009264	225.368	ng/ml
64) S	DCBP (S)	9.677	27055591	216.653	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.797	2122839	443.136	ng/ml
3)	Aroclor 1016 (2)	6.211	4683187	464.102	ng/ml
4)	Aroclor 1016 (3)	6.292	2492564	462.812	ng/ml
5)	Aroclor 1016 (4)	6.450	1731174	433.333	ng/ml
6)	Aroclor 1016 (5)	6.674	2343658	455.951	ng/ml
7)	Aroclor 1016 (6)	6.800	1696189	448.527	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.233	747875	430.234	ng/ml
10)	Aroclor 1221 (2)	5.354	273519	245.884	ng/ml
11)	Aroclor 1221 (3)	5.435	1295613	357.872	ng/ml
12)	Aroclor 1221 (4)	5.905	227427	388.289	ng/ml
13)	Aroclor 1221 (5)	6.211	4683187	6686.155	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.435	1295613	427.321	ng/ml
16)	Aroclor 1232 (2)	6.211	4683187	1191.062	ng/ml
17)	Aroclor 1232 (3)	6.292	2492564	1142.402	ng/ml
18)	Aroclor 1232 (4)	6.450	1731174	1342.416	ng/ml
19)	Aroclor 1232 (5)	6.674	2343658	1281.805	ng/ml
20)	Aroclor 1232 (6)	6.800	1696189	1102.862	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.797	2122839	605.968	ng/ml
23)	Aroclor 1242 (2)	6.211	4683187	624.202	ng/ml
24)	Aroclor 1242 (3)	6.292	2492564	627.084	ng/ml
25)	Aroclor 1242 (4)	6.450	1731174	661.886	ng/ml
26)	Aroclor 1242 (5)	6.674	2343658	625.445	ng/ml

451.310

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:01
Operator : MJB / KAK
Sample : 0F22030-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	6.800	1696189	517.577	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.211	4683187	1012.794	ng/ml	
30)	Aroclor 1248 (2)	6.450	1731174	345.197	ng/ml	
31)	Aroclor 1248 (3)	6.674	2343658	383.546	ng/ml	
32)	Aroclor 1248 (4)	6.967	398542	54.394	ng/ml	
33)	Aroclor 1248 (5)	7.003	1691001	214.678	ng/ml	
34)	Aroclor 1248 (6)	7.491	3467207	881.562	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.003	1691001	239.583	ng/ml	
37)	Aroclor 1254 (2)	7.112	1820491	213.264	ng/ml	
38)	Aroclor 1254 (3)	7.491	3467207	255.842	ng/ml	
39)	Aroclor 1254 (4)	7.649	421357	45.512	ng/ml	
40)	Aroclor 1254 (5)	8.032	5225090	565.919	ng/ml	
41)	Aroclor 1254 (6)	8.325	575312	191.530	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.604	4832242	503.313	ng/ml	
44)	Aroclor 1260 (2)	7.736	6290651	530.947	ng/ml	
45)	Aroclor 1260 (3)	8.295	4024368	433.799	ng/ml	449.030
46)	Aroclor 1260 (4)	8.465	9832709	449.659	ng/ml	
47)	Aroclor 1260 (5)	8.766	6367328	443.433	ng/ml	
48)	Aroclor 1260 (6)	9.164	1979270	333.031	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.736	6290651	693.423	ng/ml	
51)	Aroclor 1262 (2)	8.062	3641447	285.894	ng/ml	
52)	Aroclor 1262 (3)	8.295	4024368	361.599	ng/ml	
53)	Aroclor 1262 (4)	8.465	9832709	411.517	ng/ml	
54)	Aroclor 1262 (5)	8.766	6367328	439.649	ng/ml	
55)	Aroclor 1262 (6)	9.164	1979270	259.201	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.295	4024368	705.337	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:01
Operator : MJB / KAK
Sample : 0F22030-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.713	1723622	62.124	ng/ml
59)	Aroclor 1268 (3)	8.766	6367328	270.392	ng/ml
60)	Aroclor 1268 (4)	8.943	291267	13.520	ng/ml
61)	Aroclor 1268 (5)	9.164	1979270	234.495	ng/ml
62)	Aroclor 1268 (6)	9.431	702205	10.895	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

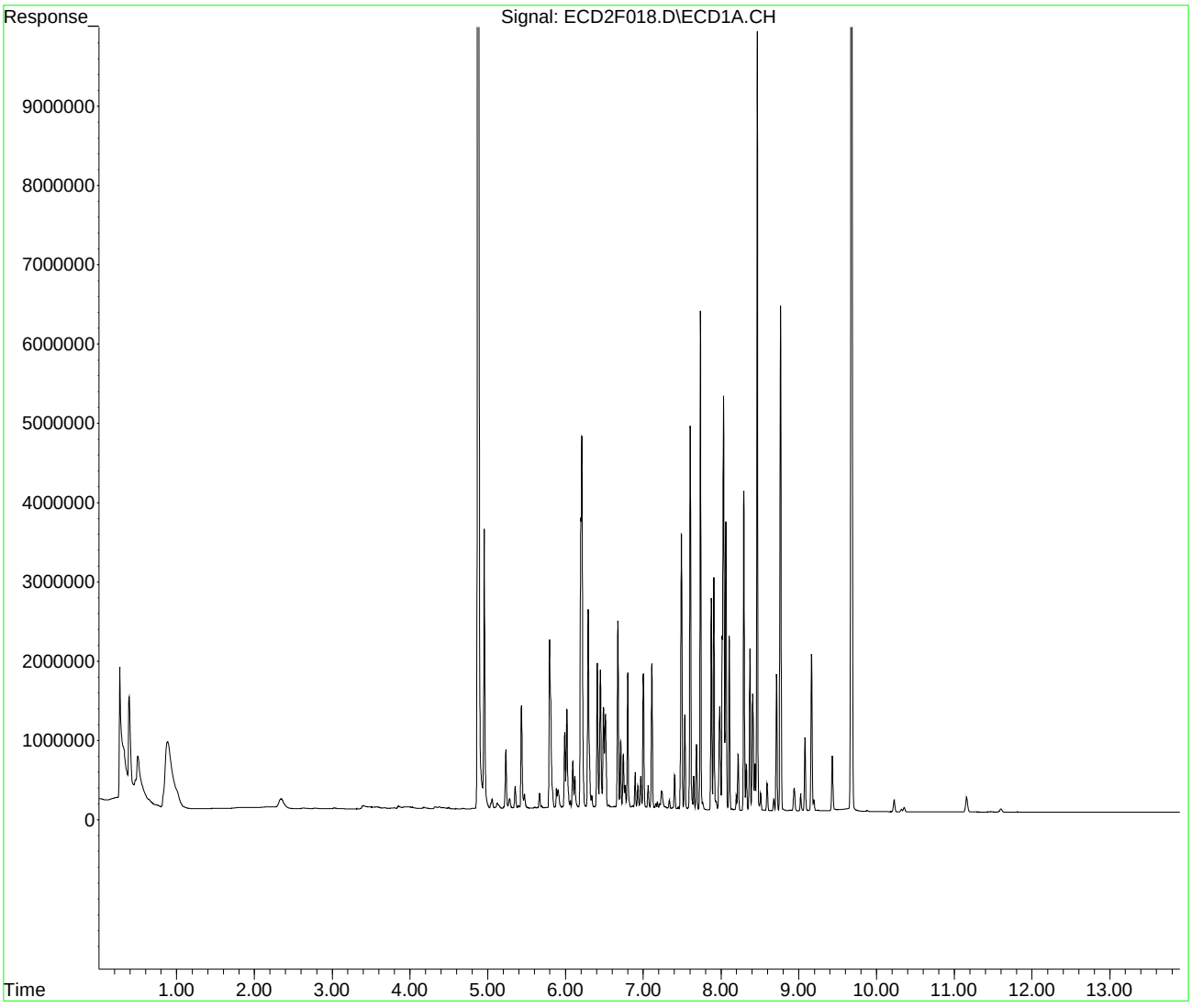
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:01
Operator : MJB / KAK
Sample : 0F22030-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:22
Operator : MJB / KAK
Sample : 0F22030-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

KAK 6/23/2020

1221, 1254

Integration File: PCB1.e
Quant Time: Jun 23 13:52:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.877	5860689	41.263	ng/ml	
64) S	DCBP (S)	9.678	10831705	86.737	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.797	554339	115.716	ng/ml	
3)	Aroclor 1016 (2)	6.212	719802	71.332	ng/ml	
4)	Aroclor 1016 (3)	6.292	431564	80.131	ng/ml	
5)	Aroclor 1016 (4)	6.452	2018749	505.316	ng/ml	
6)	Aroclor 1016 (5)	6.674	1379305	268.339	ng/ml	
7)	Aroclor 1016 (6)	6.801	660610	174.687	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.237	1591050	915.292	ng/ml	
10)	Aroclor 1221 (2)	5.355	1085330	975.675	ng/ml	
11)	Aroclor 1221 (3)	5.437	3646406	1007.205	ng/ml	960.494
12)	Aroclor 1221 (4)	5.905	513462	876.641	ng/ml	
13)	Aroclor 1221 (5)	6.212	719802	1027.657	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.437	3646406	1202.663	ng/ml	
16)	Aroclor 1232 (2)	6.212	719802	183.065	ng/ml	
17)	Aroclor 1232 (3)	6.292	431564	197.796	ng/ml	
18)	Aroclor 1232 (4)	6.452	2018749	1565.411	ng/ml	
19)	Aroclor 1232 (5)	6.674	1379305	754.376	ng/ml	
20)	Aroclor 1232 (6)	6.801	660610	429.529	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.797	554339	158.237	ng/ml	
23)	Aroclor 1242 (2)	6.212	719802	95.939	ng/ml	
24)	Aroclor 1242 (3)	6.292	431564	108.574	ng/ml	
25)	Aroclor 1242 (4)	6.452	2018749	771.835	ng/ml	
26)	Aroclor 1242 (5)	6.674	1379305	368.091	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:22
Operator : MJB / KAK
Sample : 0F22030-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	6.801	660610	201.579	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.212	719802	155.666	ng/ml	
30)	Aroclor 1248 (2)	6.452	2018749	402.539	ng/ml	
31)	Aroclor 1248 (3)	6.674	1379305	225.727	ng/ml	
32)	Aroclor 1248 (4)	6.968	2116722	288.897	ng/ml	
33)	Aroclor 1248 (5)	7.003	4001820	508.045	ng/ml	
34)	Aroclor 1248 (6)	7.485	6906610	1756.055	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.003	4001820	566.982	ng/ml	
37)	Aroclor 1254 (2)	7.113	4432098	519.203	ng/ml	
38)	Aroclor 1254 (3)	7.485	6906610	509.633	ng/ml	
39)	Aroclor 1254 (4)	7.650	4491634	485.153	ng/ml	512.928
40)	Aroclor 1254 (5)	8.033	4675699	506.415	ng/ml	
41)	Aroclor 1254 (6)	8.326	1472397	490.183	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.606	2513211	261.769	ng/ml	
44)	Aroclor 1260 (2)	7.737	2784980	235.060	ng/ml	
45)	Aroclor 1260 (3)	8.296	402598	43.397	ng/ml	
46)	Aroclor 1260 (4)	8.465	920045	42.074	ng/ml	
47)	Aroclor 1260 (5)	8.767	824437	57.415	ng/ml	
48)	Aroclor 1260 (6)	9.164	70923	11.933	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.737	2784980	306.991	ng/ml	
51)	Aroclor 1262 (2)	8.062	311088	24.424	ng/ml	
52)	Aroclor 1262 (3)	8.296	402598	36.174	ng/ml	
53)	Aroclor 1262 (4)	8.465	920045	38.506	ng/ml	
54)	Aroclor 1262 (5)	8.767	824437	56.925	ng/ml	
55)	Aroclor 1262 (6)	9.164	70923	9.288	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.296	402598	70.562	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:22
Operator : MJB / KAK
Sample : 0F22030-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.713	54990	1.982	ng/ml
59)	Aroclor 1268 (3)	8.767	824437	35.010	ng/ml
60)	Aroclor 1268 (4)	8.946	86303	4.006	ng/ml
61)	Aroclor 1268 (5)	9.164	70923	8.403	ng/ml
62)	Aroclor 1268 (6)	9.433	91152	1.414	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

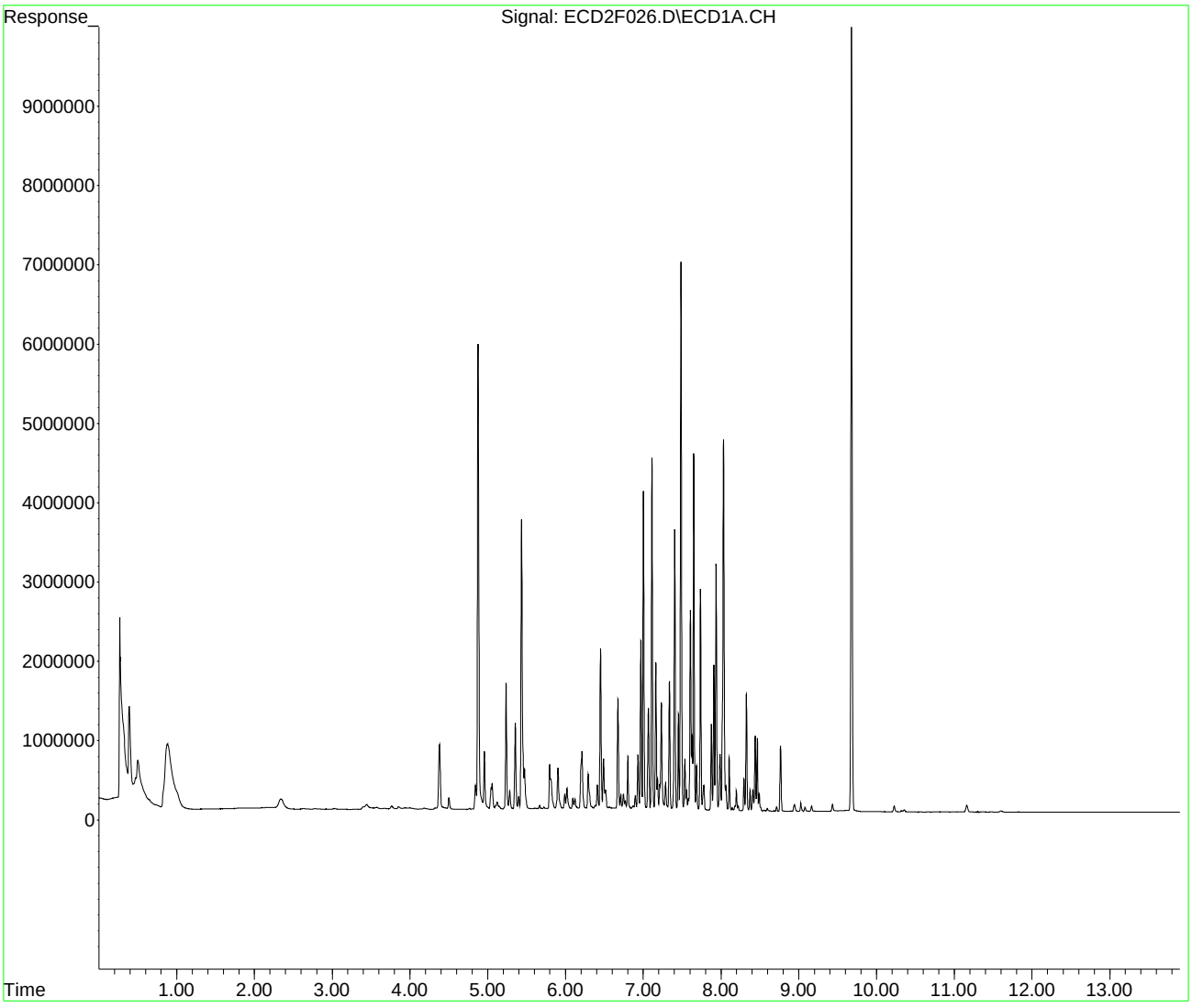
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:22
Operator : MJB / KAK
Sample : 0F22030-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:52:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:40
Operator : MJB / KAK
Sample : 0F22030-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
1232, 1262
Quant Time: Jun 23 13:53:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.878	5604788	39.462	ng/ml	
64) S	DCBP (S)	9.679	10651060	85.290	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.797	1006094	210.019	ng/ml	
3)	Aroclor 1016 (2)	6.211	2001927	198.390	ng/ml	
4)	Aroclor 1016 (3)	6.293	1087483	201.921	ng/ml	
5)	Aroclor 1016 (4)	6.451	710149	177.759	ng/ml	
6)	Aroclor 1016 (5)	6.673	949164	184.657	ng/ml	
7)	Aroclor 1016 (6)	6.800	800442	211.663	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.236	554200	318.817	ng/ml	
10)	Aroclor 1221 (2)	5.355	415413	373.442	ng/ml	
11)	Aroclor 1221 (3)	5.436	1503763	415.367	ng/ml	
12)	Aroclor 1221 (4)	5.904	233953	399.432	ng/ml	
13)	Aroclor 1221 (5)	6.211	2001927	2858.137	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.436	1503763	495.973	ng/ml	
16)	Aroclor 1232 (2)	6.211	2001927	509.145	ng/ml	
17)	Aroclor 1232 (3)	6.293	1087483	498.419	ng/ml	515.630
18)	Aroclor 1232 (4)	6.451	710149	550.675	ng/ml	
19)	Aroclor 1232 (5)	6.673	949164	519.121	ng/ml	
20)	Aroclor 1232 (6)	6.800	800442	520.447	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.797	1006094	287.191	ng/ml	
23)	Aroclor 1242 (2)	6.211	2001927	266.828	ng/ml	
24)	Aroclor 1242 (3)	6.293	1087483	273.591	ng/ml	
25)	Aroclor 1242 (4)	6.451	710149	271.514	ng/ml	
26)	Aroclor 1242 (5)	6.673	949164	253.300	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:40
Operator : MJB / KAK
Sample : 0F22030-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	6.800	800442	244.248	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.211	2001927	432.940	ng/ml	
30)	Aroclor 1248 (2)	6.451	710149	141.604	ng/ml	
31)	Aroclor 1248 (3)	6.673	949164	155.333	ng/ml	
32)	Aroclor 1248 (4)	6.968	993704	135.624	ng/ml	
33)	Aroclor 1248 (5)	7.005	1465062	185.995	ng/ml	
34)	Aroclor 1248 (6)	7.492	2903252	738.173	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.005	1465062	207.571	ng/ml	
37)	Aroclor 1254 (2)	7.112	810685	94.969	ng/ml	
38)	Aroclor 1254 (3)	7.492	2903252	214.228	ng/ml	
39)	Aroclor 1254 (4)	7.650	349199	37.718	ng/ml	
40)	Aroclor 1254 (5)	8.032	2172802	235.332	ng/ml	
41)	Aroclor 1254 (6)	8.326	160294	53.364	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.604	3583181	373.214	ng/ml	
44)	Aroclor 1260 (2)	7.737	4337017	366.056	ng/ml	
45)	Aroclor 1260 (3)	8.296	5164522	556.699	ng/ml	
46)	Aroclor 1260 (4)	8.465	11171145	510.866	ng/ml	
47)	Aroclor 1260 (5)	8.765	6843046	476.563	ng/ml	
48)	Aroclor 1260 (6)	9.164	3612183	607.784	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.737	4337017	478.073	ng/ml	
51)	Aroclor 1262 (2)	8.063	6092100	478.297	ng/ml	
52)	Aroclor 1262 (3)	8.296	5164522	464.045	ng/ml	472.248
53)	Aroclor 1262 (4)	8.465	11171145	467.533	ng/ml	
54)	Aroclor 1262 (5)	8.765	6843046	472.496	ng/ml	
55)	Aroclor 1262 (6)	9.164	3612183	473.043	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.296	5164522	905.168	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:40
Operator : MJB / KAK
Sample : 0F22030-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.714	4195578	151.220	ng/ml
59)	Aroclor 1268 (3)	8.765	6843046	290.594	ng/ml
60)	Aroclor 1268 (4)	8.945	365750	16.977	ng/ml
61)	Aroclor 1268 (5)	9.164	3612183	427.955	ng/ml
62)	Aroclor 1268 (6)	9.432	1215533	18.859	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

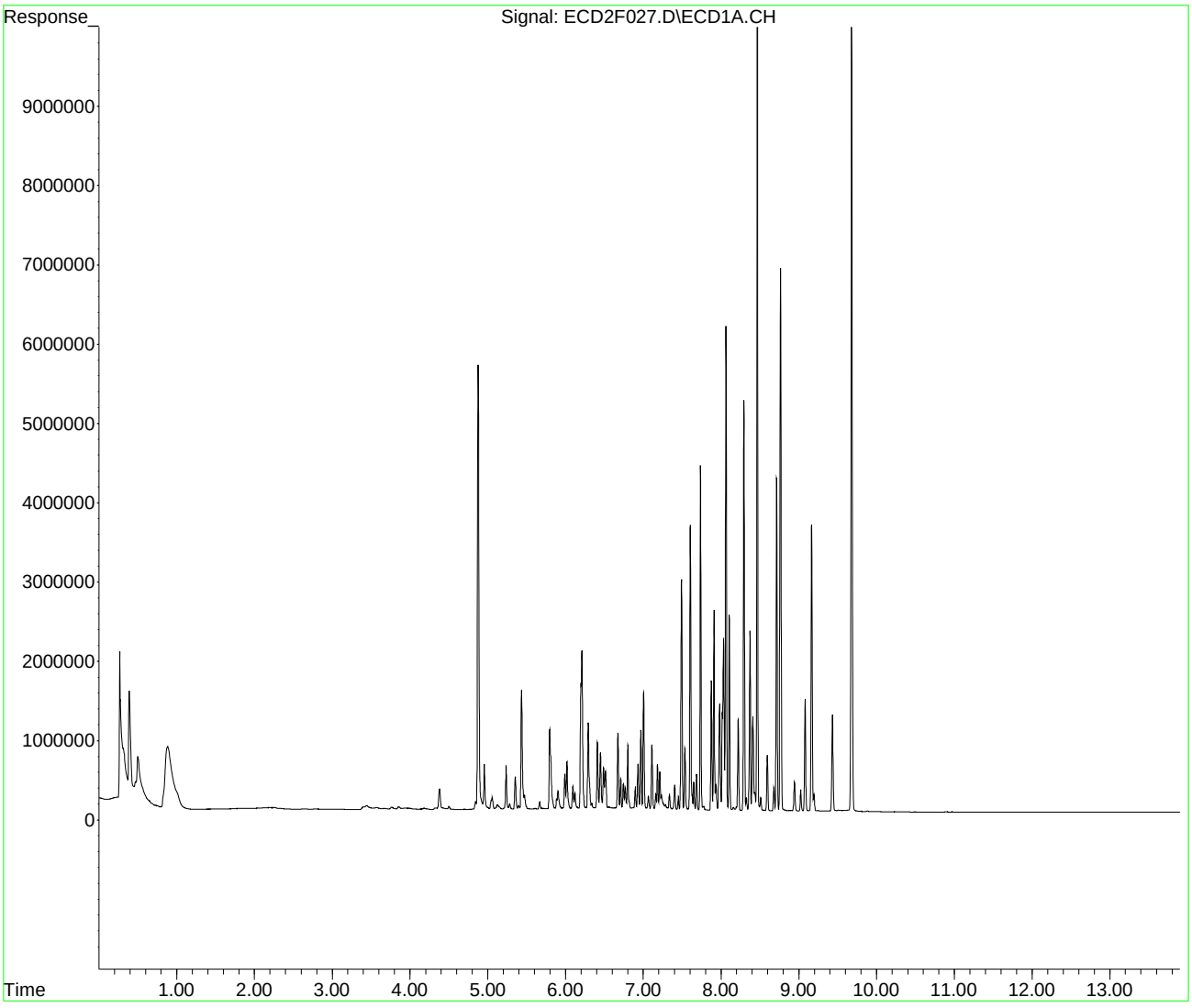
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:40
Operator : MJB / KAK
Sample : 0F22030-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:58
Operator : MJB / KAK
Sample : 0F22030-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

KAK 6/23/2020

1242, 1268

Integration File: PCB1.e
Quant Time: Jun 23 13:53:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.878	6233055	43.885	ng/ml
64) S	DCBP (S)	9.678	5224029	41.832	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.797	1836498	383.363	ng/ml
3)	Aroclor 1016 (2)	6.211	3878647	384.372	ng/ml
4)	Aroclor 1016 (3)	6.292	2105868	391.011	ng/ml
5)	Aroclor 1016 (4)	6.451	1402165	350.978	ng/ml
6)	Aroclor 1016 (5)	6.674	1942914	377.987	ng/ml
7)	Aroclor 1016 (6)	6.800	1639552	433.551	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.237	236297	135.936	ng/ml
10)	Aroclor 1221 (2)	5.355	253377	227.777	ng/ml
11)	Aroclor 1221 (3)	5.436	1178006	325.387	ng/ml
12)	Aroclor 1221 (4)	5.906	201688	344.345	ng/ml
13)	Aroclor 1221 (5)	6.211	3878647	5537.519	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.436	1178006	388.532	ng/ml
16)	Aroclor 1232 (2)	6.211	3878647	986.446	ng/ml
17)	Aroclor 1232 (3)	6.292	2105868	965.170	ng/ml
18)	Aroclor 1232 (4)	6.451	1402165	1087.290	ng/ml
19)	Aroclor 1232 (5)	6.674	1942914	1062.628	ng/ml
20)	Aroclor 1232 (6)	6.800	1639552	1066.037	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.797	1836498	524.232	ng/ml
23)	Aroclor 1242 (2)	6.211	3878647	516.968	ng/ml
24)	Aroclor 1242 (3)	6.292	2105868	529.799	ng/ml
25)	Aroclor 1242 (4)	6.451	1402165	536.094	ng/ml
26)	Aroclor 1242 (5)	6.674	1942914	518.500	ng/ml

520.981

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:58
Operator : MJB / KAK
Sample : 0F22030-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
27)	Aroclor 1242 (6)	6.800	1639552	500.295	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.211	3878647	838.803	ng/ml
30)	Aroclor 1248 (2)	6.451	1402165	279.592	ng/ml
31)	Aroclor 1248 (3)	6.674	1942914	317.963	ng/ml
32)	Aroclor 1248 (4)	6.968	2023785	276.213	ng/ml
33)	Aroclor 1248 (5)	7.006	2171579	275.690	ng/ml
34)	Aroclor 1248 (6)	7.484	654113	166.313	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.006	2171579	307.671	ng/ml
37)	Aroclor 1254 (2)	7.112	444518	52.074	ng/ml
38)	Aroclor 1254 (3)	7.484	654113	48.266	ng/ml
39)	Aroclor 1254 (4)	7.650	469871	50.752	ng/ml
40)	Aroclor 1254 (5)	8.032	94917	10.280	ng/ml
41)	Aroclor 1254 (6)	8.325	44122	14.689	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.608	107424	11.189	ng/ml
44)	Aroclor 1260 (2)	7.736	86253	7.280	ng/ml
45)	Aroclor 1260 (3)	8.288	2870883	309.461	ng/ml
46)	Aroclor 1260 (4)	8.465	1326049	60.641	ng/ml
47)	Aroclor 1260 (5)	8.761	12275855	854.914	ng/ml
48)	Aroclor 1260 (6)	9.165	4340899	730.397	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.736	86253	9.508	ng/ml
51)	Aroclor 1262 (2)	8.062	2332698	183.142	ng/ml
52)	Aroclor 1262 (3)	8.288	2870883	257.956	ng/ml
53)	Aroclor 1262 (4)	8.465	1326049	55.498	ng/ml
54)	Aroclor 1262 (5)	8.761	12275855	847.618	ng/ml
55)	Aroclor 1262 (6)	9.165	4340899	568.474	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.288	2870883	503.170	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:58
Operator : MJB / KAK
Sample : 0F22030-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
58)	Aroclor 1268 (2)	8.714	14447714	520.733	ng/ml	
59)	Aroclor 1268 (3)	8.761	12275855	521.302	ng/ml	
60)	Aroclor 1268 (4)	8.946	10642496	493.998	ng/ml	506.440
61)	Aroclor 1268 (5)	9.165	4340899	514.290	ng/ml	
62)	Aroclor 1268 (6)	9.433	31269367	485.148	ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml	

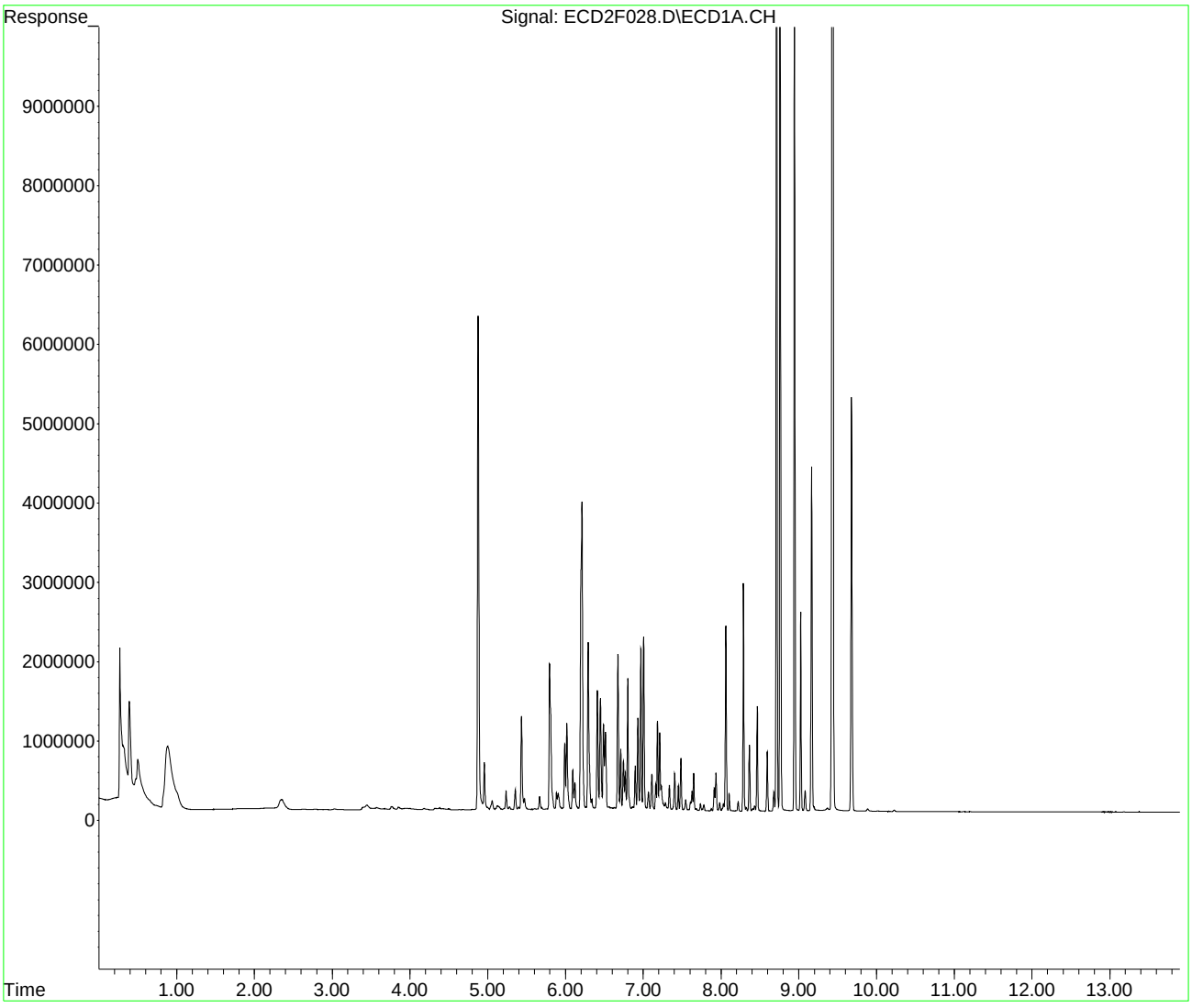
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:58
Operator : MJB / KAK
Sample : 0F22030-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\
Data File : ECD2F029.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 23:15
Operator : MJB / KAK
Sample : 0F22030-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

KAK 6/23/2020

1248

Integration File: PCB1.e
Quant Time: Jun 23 13:53:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.865	9618	0.068	ng/ml
64)	S DCBP (S)	9.678	5738	0.046	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.797	932586	194.674	ng/ml
3)	Aroclor 1016 (2)	6.211	2135702	211.647	ng/ml
4)	Aroclor 1016 (3)	6.292	1182114	219.492	ng/ml
5)	Aroclor 1016 (4)	6.450	2547325	637.625	ng/ml
6)	Aroclor 1016 (5)	6.673	3172586	617.216	ng/ml
7)	Aroclor 1016 (6)	6.800	2524516	667.564	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.235	35104	20.195	ng/ml
10)	Aroclor 1221 (2)	5.355	25489	22.913	ng/ml
11)	Aroclor 1221 (3)	5.436	141828	39.175	ng/ml
12)	Aroclor 1221 (4)	5.906	33889	57.860	ng/ml
13)	Aroclor 1221 (5)	6.211	2135702	3049.128	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.436	141828	46.778	ng/ml
16)	Aroclor 1232 (2)	6.211	2135702	543.167	ng/ml
17)	Aroclor 1232 (3)	6.292	1182114	541.791	ng/ml
18)	Aroclor 1232 (4)	6.450	2547325	1975.289	ng/ml
19)	Aroclor 1232 (5)	6.673	3172586	1735.166	ng/ml
20)	Aroclor 1232 (6)	6.800	2524516	1641.441	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.797	932586	266.208	ng/ml
23)	Aroclor 1242 (2)	6.211	2135702	284.658	ng/ml
24)	Aroclor 1242 (3)	6.292	1182114	297.399	ng/ml
25)	Aroclor 1242 (4)	6.450	2547325	973.927	ng/ml
26)	Aroclor 1242 (5)	6.673	3172586	846.659	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F029.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 23:15
Operator : MJB / KAK
Sample : 0F22030-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	6.800	2524516	770.333	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.211	2135702	461.871	ng/ml	
30)	Aroclor 1248 (2)	6.450	2547325	507.938	ng/ml	
31)	Aroclor 1248 (3)	6.673	3172586	519.203	ng/ml	512.290
32)	Aroclor 1248 (4)	6.967	3858864	526.670	ng/ml	
33)	Aroclor 1248 (5)	7.006	4105448	521.201	ng/ml	
34)	Aroclor 1248 (6)	7.484	2111469	536.856	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.006	4105448	581.664	ng/ml	
37)	Aroclor 1254 (2)	7.111	1237570	144.977	ng/ml	
38)	Aroclor 1254 (3)	7.484	2111469	155.803	ng/ml	
39)	Aroclor 1254 (4)	7.650	1423533	153.759	ng/ml	
40)	Aroclor 1254 (5)	8.032	324114	35.104	ng/ml	
41)	Aroclor 1254 (6)	8.326	135450	45.093	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.607	305213	31.790	ng/ml	
44)	Aroclor 1260 (2)	7.736	187728	15.845	ng/ml	
45)	Aroclor 1260 (3)	8.295	32911	3.548	ng/ml	
46)	Aroclor 1260 (4)	8.465	75329	3.445	ng/ml	
47)	Aroclor 1260 (5)	8.766	63142	4.397	ng/ml	
48)	Aroclor 1260 (6)	9.164	19407	3.265	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.736	187728	20.693	ng/ml	
51)	Aroclor 1262 (2)	8.061	31143	2.445	ng/ml	
52)	Aroclor 1262 (3)	8.295	32911	2.957	ng/ml	
53)	Aroclor 1262 (4)	8.465	75329	3.153	ng/ml	
54)	Aroclor 1262 (5)	8.766	63142	4.360	ng/ml	
55)	Aroclor 1262 (6)	9.164	19407	2.541	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.295	32911	5.768	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F029.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 23:15
Operator : MJB / KAK
Sample : 0F22030-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	8.713	19803	0.714 ng/ml
59)	Aroclor 1268 (3)	8.766	63142	2.681 ng/ml
60)	Aroclor 1268 (4)	8.945	4136	0.192 ng/ml
61)	Aroclor 1268 (5)	9.164	19407	2.299 ng/ml
62)	Aroclor 1268 (6)	9.433	12118	0.188 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

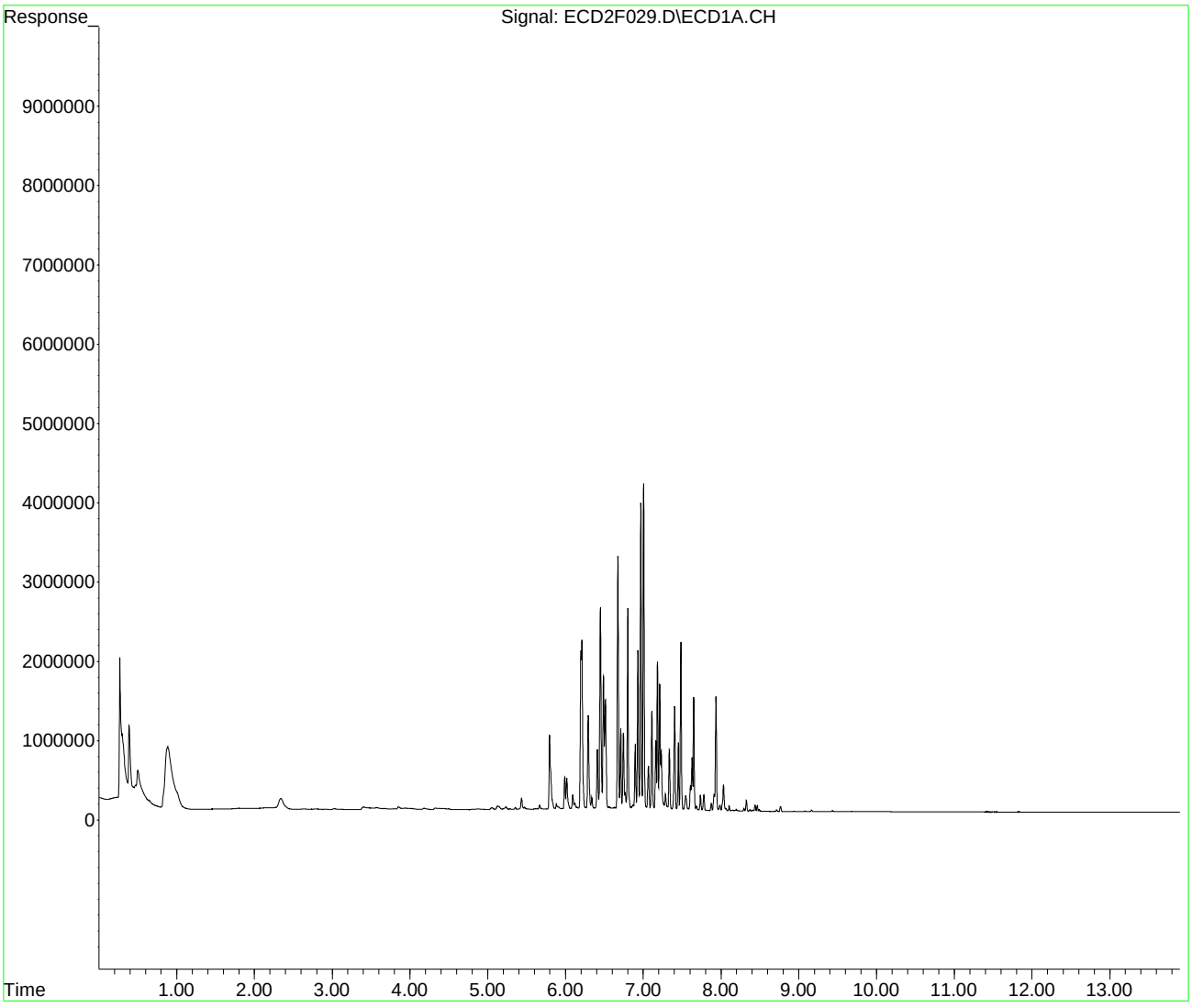
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F029.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 23:15
Operator : MJB / KAK
Sample : 0F22030-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:53:42 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
Quant Time: Jun 23 13:38:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.878	1321445	9.304	ng/ml	
64)	S DCBP (S)	9.679	1222731	9.791	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	5.798	114671	23.937	ng/ml	
3)	Aroclor 1016 (2)	6.212	217974	21.601	ng/ml	
4)	Aroclor 1016 (3)	6.293	122243	22.698	ng/ml	
5)	Aroclor 1016 (4)	6.451	93210	23.332	ng/ml	✓
6)	Aroclor 1016 (5)	6.674	117378	22.835	ng/ml	
7)	Aroclor 1016 (6)	6.801	86779	22.947	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:38:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.604	218884	22.798	ng/ml	
44)	Aroclor 1260 (2)	7.737	264494	22.324	ng/ml	
45)	Aroclor 1260 (3)	8.296	208593	22.485	ng/ml	
46)	Aroclor 1260 (4)	8.466	458871	20.985	ng/ml	✓
47)	Aroclor 1260 (5)	8.766	302800	21.088	ng/ml	
48)	Aroclor 1260 (6)	9.164	140770	23.686	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:38:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

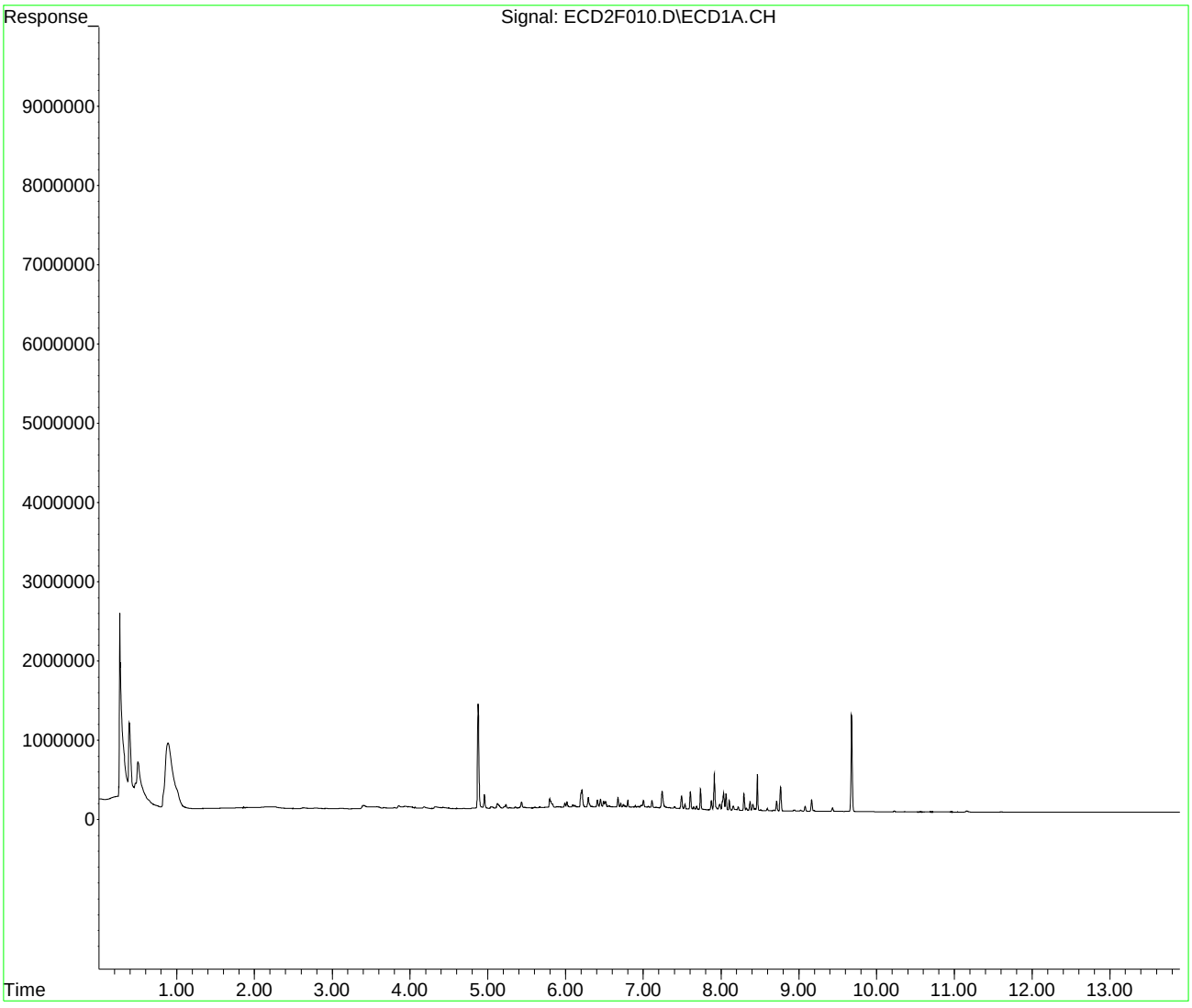
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:38:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
Quant Time: Jun 23 13:39:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.878	3364549	23.689	ng/ml	
64)	S DCBP (S)	9.677	2901210	23.232	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	5.797	250610	52.314	ng/ml	
3)	Aroclor 1016 (2)	6.211	502949	49.842	ng/ml	
4)	Aroclor 1016 (3)	6.292	272260	50.552	ng/ml	
5)	Aroclor 1016 (4)	6.450	207464	51.931	ng/ml	✓
6)	Aroclor 1016 (5)	6.673	263506	51.264	ng/ml	
7)	Aroclor 1016 (6)	6.800	196343	51.919	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:39:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.603	494275	51.482	ng/ml	
44)	Aroclor 1260 (2)	7.735	593624	50.103	ng/ml	
45)	Aroclor 1260 (3)	8.294	468508	50.502	ng/ml	
46)	Aroclor 1260 (4)	8.464	1063915	48.654	ng/ml	✓
47)	Aroclor 1260 (5)	8.764	695563	48.440	ng/ml	
48)	Aroclor 1260 (6)	9.163	311796	52.463	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:39:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

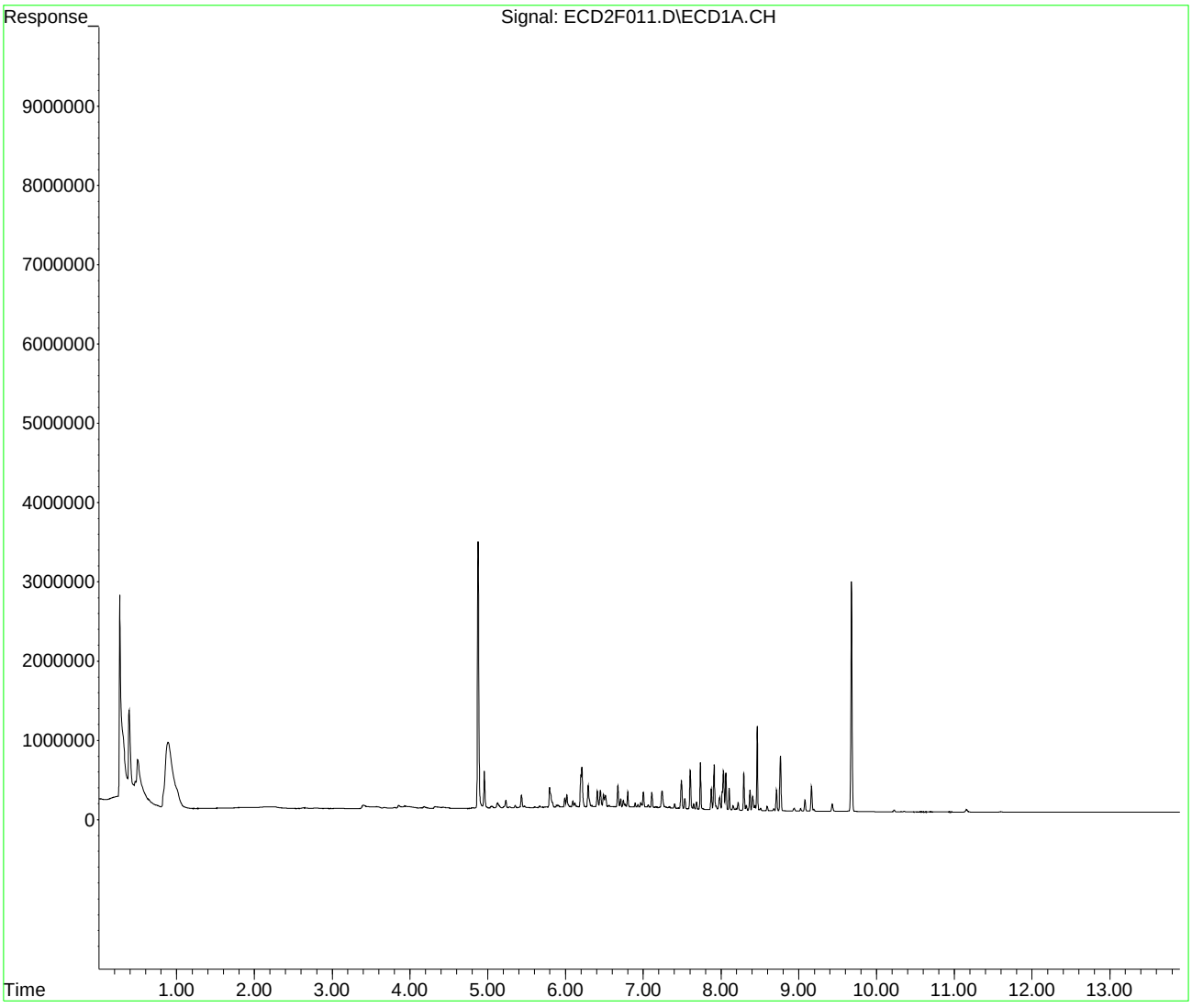
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:39:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
Quant Time: Jun 23 13:40:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.879	6899657	48.578	ng/ml	✓
64)	S DCBP (S)	9.678	5880384	47.088	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.797	488759	102.027	ng/ml	
3)	Aroclor 1016 (2)	6.211	999098	99.010	ng/ml	
4)	Aroclor 1016 (3)	6.292	546054	101.390	ng/ml	✓
5)	Aroclor 1016 (4)	6.450	410421	102.733	ng/ml	
6)	Aroclor 1016 (5)	6.673	507036	98.642	ng/ml	
7)	Aroclor 1016 (6)	6.800	381893	100.985	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:40:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.604	953992	99.365	ng/ml	
44)	Aroclor 1260 (2)	7.736	1122579	94.749	ng/ml	
45)	Aroclor 1260 (3)	8.295	908162	97.893	ng/ml	
46)	Aroclor 1260 (4)	8.464	2106967	96.353	ng/ml	✓
47)	Aroclor 1260 (5)	8.765	1356736	94.486	ng/ml	
48)	Aroclor 1260 (6)	9.162	579494	97.505	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:40:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

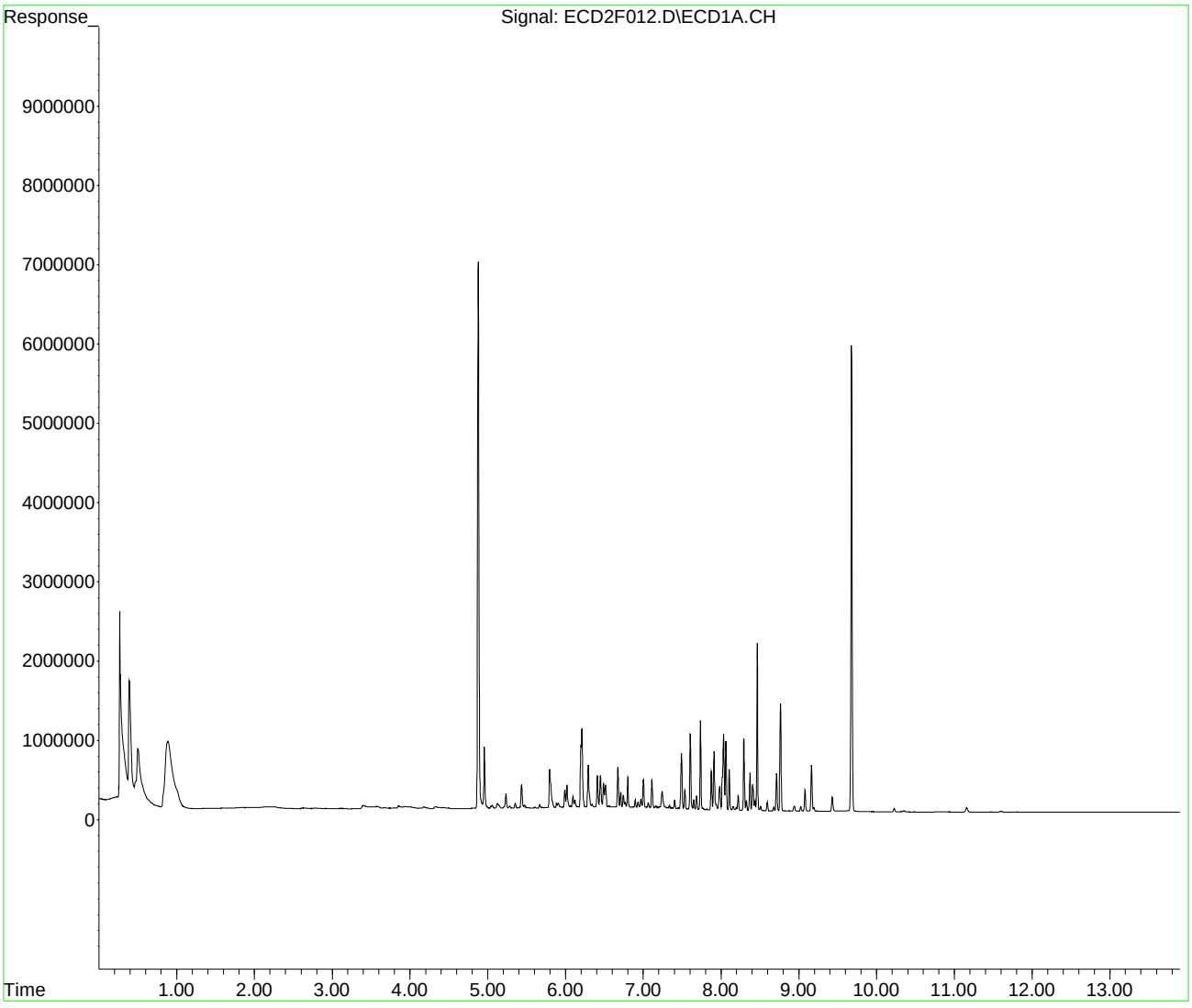
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:40:32 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
Quant Time: Jun 23 13:41:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.877	13533018	95.282	ng/ml	
64)	S DCBP (S)	9.677	12180091	97.535	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	5.796	910941	190.156	ng/ml	
3)	Aroclor 1016 (2)	6.210	1998027	198.004	ng/ml	
4)	Aroclor 1016 (3)	6.291	1037136	192.572	ng/ml	
5)	Aroclor 1016 (4)	6.449	759854	190.200	ng/ml	✓
6)	Aroclor 1016 (5)	6.672	1005387	195.595	ng/ml	
7)	Aroclor 1016 (6)	6.799	699487	184.967	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:41:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.603	1816042	189.154	ng/ml	
44)	Aroclor 1260 (2)	7.735	2289230	193.217	ng/ml	
45)	Aroclor 1260 (3)	8.294	1747877	188.409	ng/ml	
46)	Aroclor 1260 (4)	8.463	4124364	188.611	ng/ml	✓
47)	Aroclor 1260 (5)	8.764	2791057	194.375	ng/ml	
48)	Aroclor 1260 (6)	9.162	1108866	186.577	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:41:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

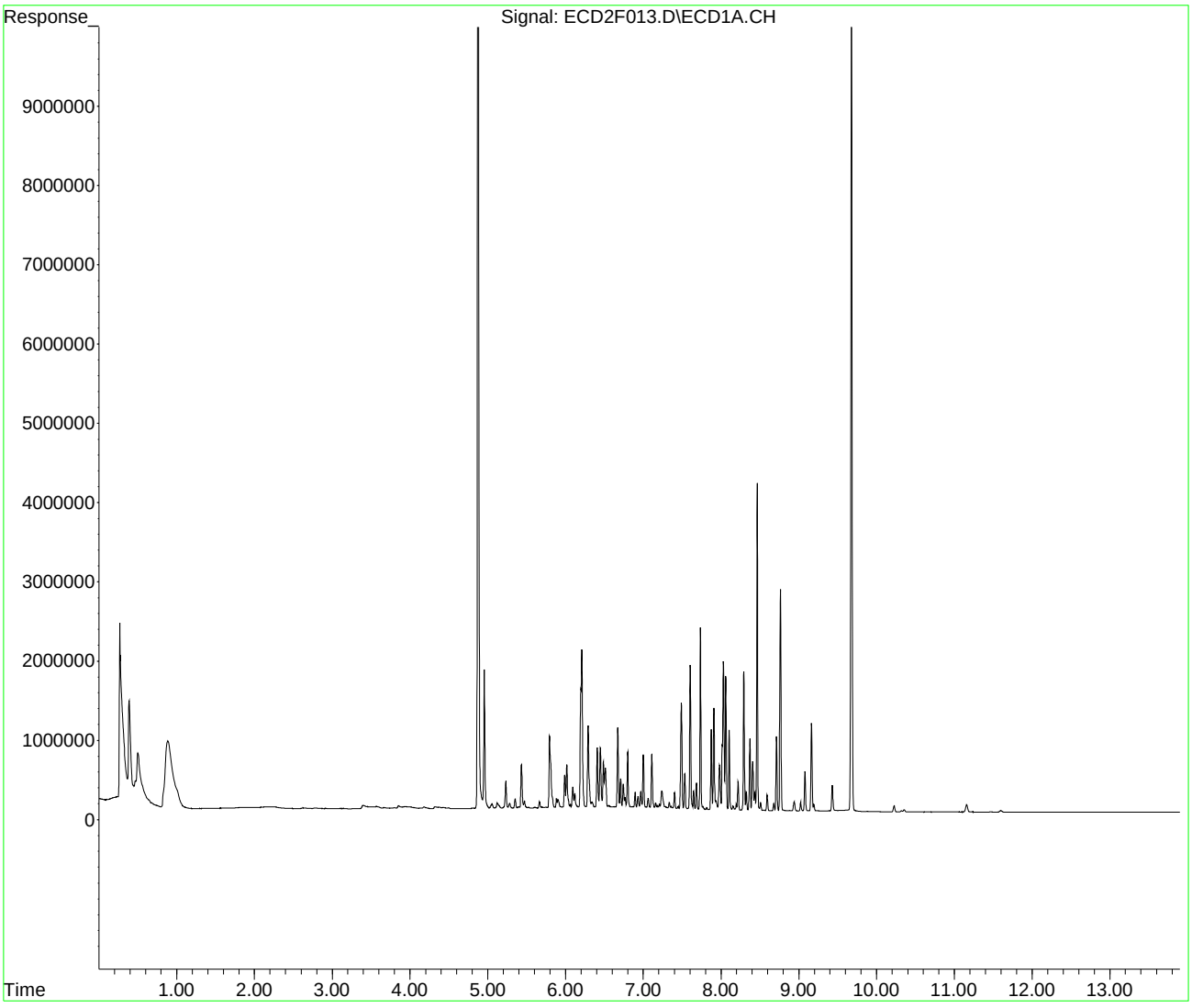
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:41:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
Quant Time: Jun 23 13:42:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.879	35807197	252.108	ng/ml	
64)	S DCBP (S)	9.678	31293660	250.590	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	5.797	2311712	482.562	ng/ml	
3)	Aroclor 1016 (2)	6.211	4925919	488.156	ng/ml	
4)	Aroclor 1016 (3)	6.293	2599280	482.627	ng/ml	
5)	Aroclor 1016 (4)	6.450	1855679	464.498	ng/ml	✓
6)	Aroclor 1016 (5)	6.673	2436748	474.061	ng/ml	
7)	Aroclor 1016 (6)	6.800	1862202	492.427	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:42:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.604	4613025	480.480	ng/ml	
44)	Aroclor 1260 (2)	7.736	5911126	498.914	ng/ml	
45)	Aroclor 1260 (3)	8.296	4415322	475.941	ng/ml	
46)	Aroclor 1260 (4)	8.465	10944677	500.510	ng/ml	✓
47)	Aroclor 1260 (5)	8.765	7098160	494.330	ng/ml	
48)	Aroclor 1260 (6)	9.164	2845981	478.863	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:42:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

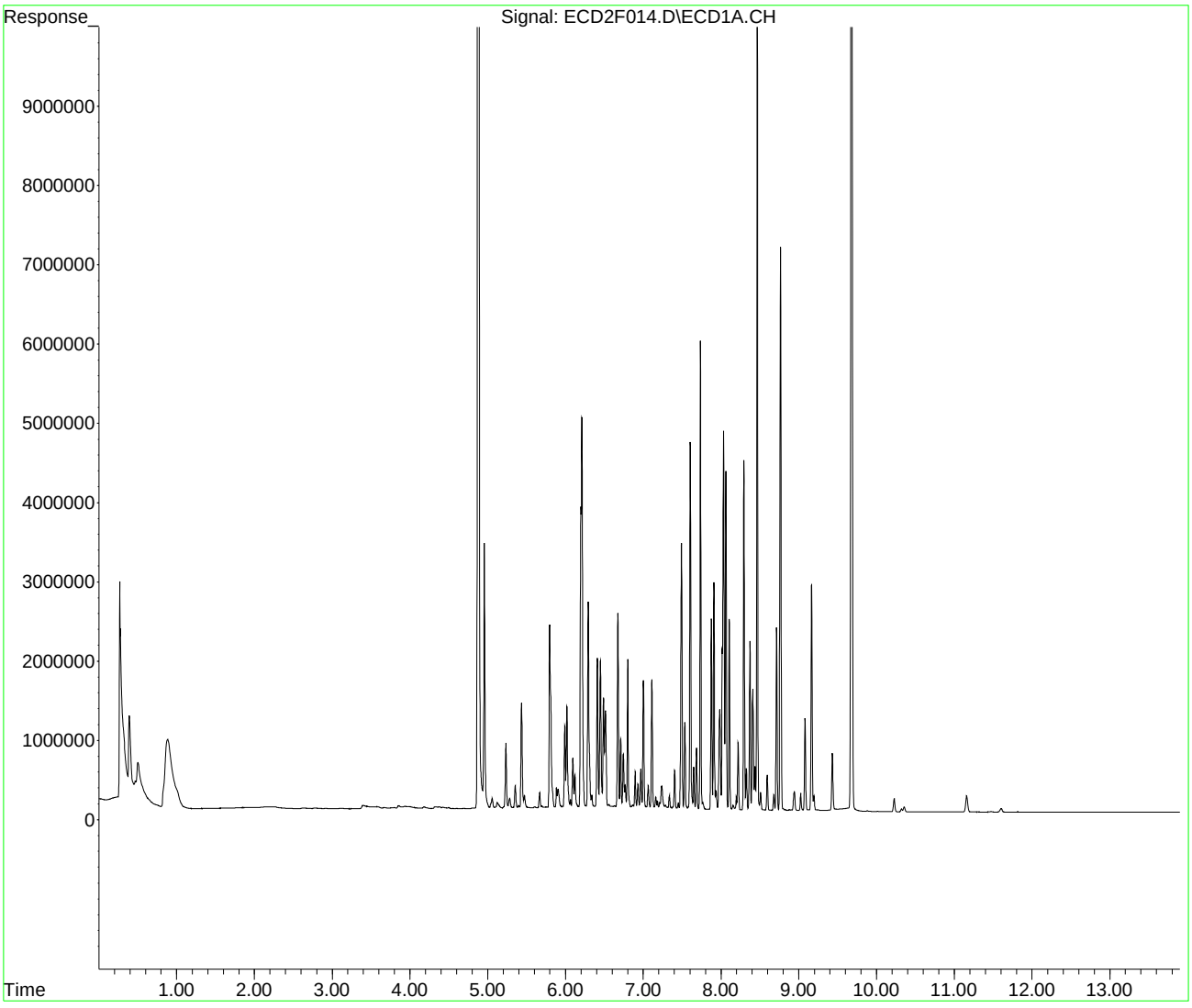
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:42:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\requant\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
Quant Time: Jun 23 13:43:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.881	74801019	526.652	ng/ml	
64)	S DCBP (S)	9.678	66051827	528.923	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	5.798	4290376	895.602	ng/ml	
3)	Aroclor 1016 (2)	6.212	10032044	994.171	ng/ml	
4)	Aroclor 1016 (3)	6.293	5140921	954.551	ng/ml	
5)	Aroclor 1016 (4)	6.451	3762955	941.912	ng/ml	✓
6)	Aroclor 1016 (5)	6.674	4825909	938.864	ng/ml	
7)	Aroclor 1016 (6)	6.800	3513537	929.094	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:43:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.604	9304677	969.150	ng/ml	
44)	Aroclor 1260 (2)	7.736	11589691	978.200	ng/ml	
45)	Aroclor 1260 (3)	8.296	9034721	973.880	ng/ml	✓
46)	Aroclor 1260 (4)	8.465	22155593	1013.195	ng/ml	
47)	Aroclor 1260 (5)	8.766	14762035	1028.057	ng/ml	
48)	Aroclor 1260 (6)	9.164	5556964	935.011	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:43:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

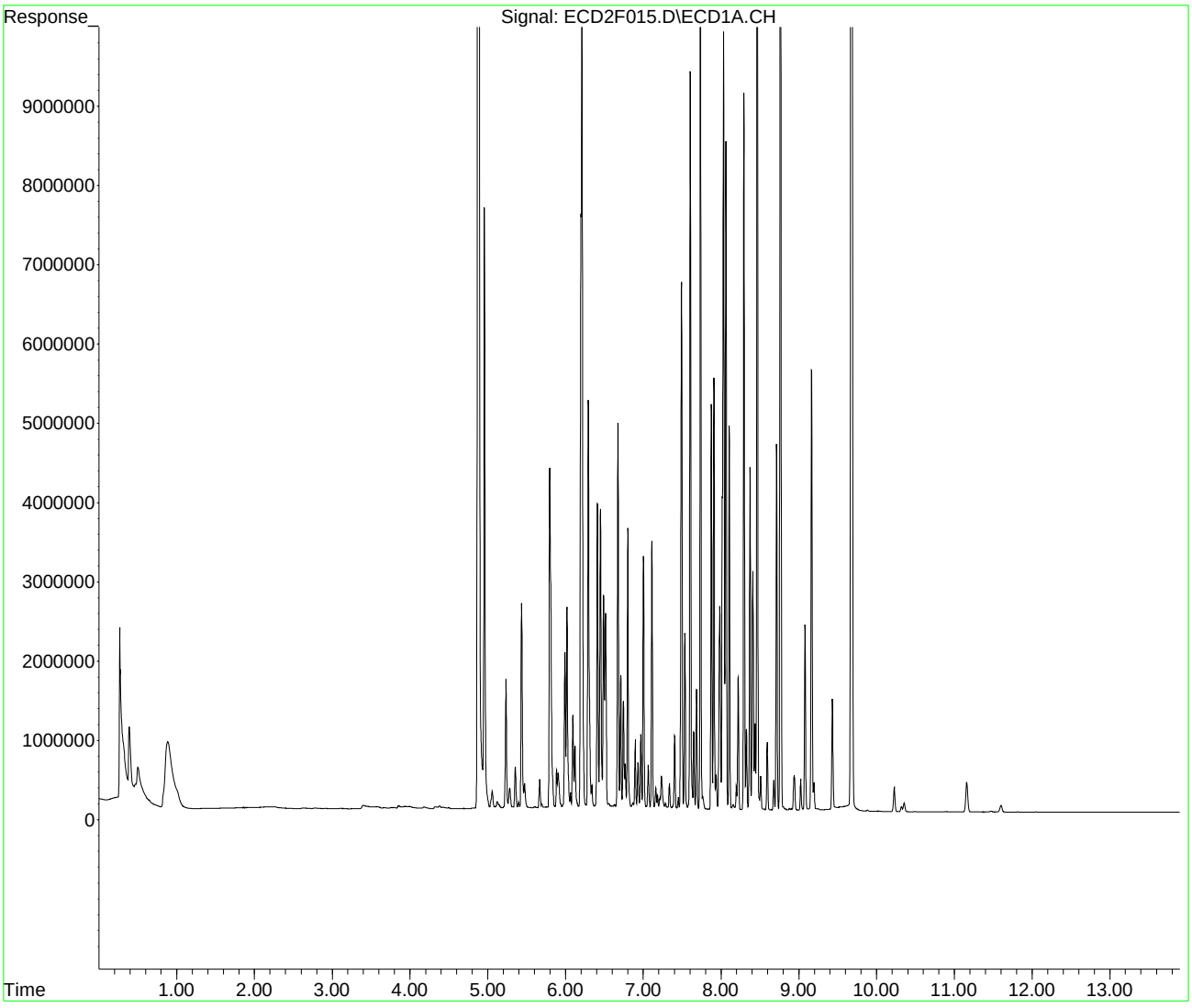
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:43:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030\requant\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

KAK 6/23/2020

Integration File: PCB1.e
Quant Time: Jun 23 13:44:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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)	4.881	129070637	908.748	ng/ml	
64)	S DCBP (S)	9.680	111320258	891.419	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	5.798	6647447	1387.633	ng/ml	
3)	Aroclor 1016 (2)	6.212	14720058	1458.751	ng/ml	
4)	Aroclor 1016 (3)	6.293	7735185	1436.246	ng/ml	
5)	Aroclor 1016 (4)	6.451	5666348	1418.353	ng/ml	✓
6)	Aroclor 1016 (5)	6.674	7568085	1472.345	ng/ml	
7)	Aroclor 1016 (6)	6.801	5477513	1448.433	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:44:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.605	13838265	1441.356	ng/ml	
44)	Aroclor 1260 (2)	7.737	17632145	1488.199	ng/ml	
45)	Aroclor 1260 (3)	8.296	14179672	1528.469	ng/ml	
46)	Aroclor 1260 (4)	8.466	34666662	1585.337	ng/ml	✓
47)	Aroclor 1260 (5)	8.766	22472845	1565.053	ng/ml	
48)	Aroclor 1260 (6)	9.164	8609687	1448.661	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:44:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

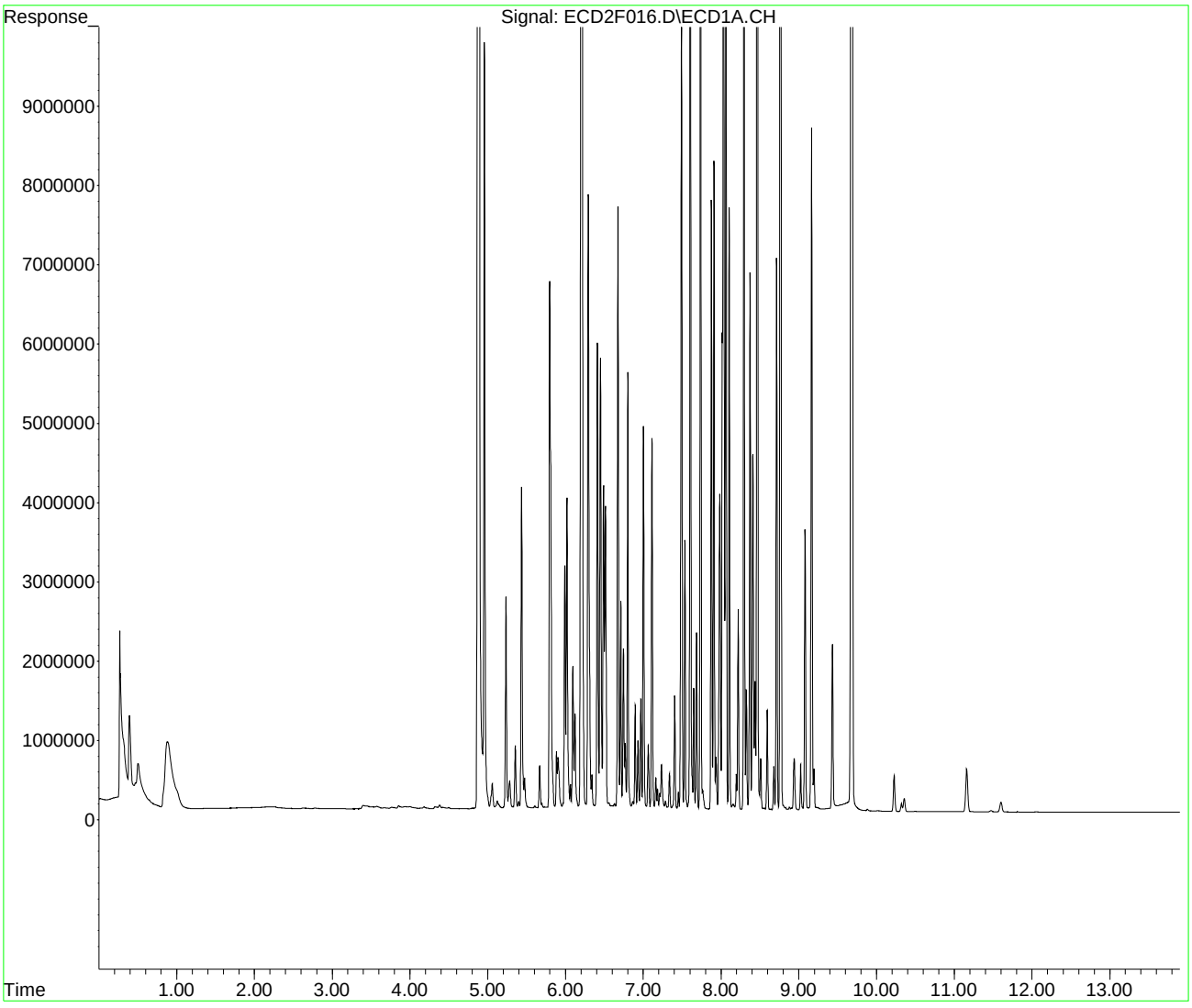
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\requant\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 13:44:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:23:31 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\0F22030B.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 2	0F22030-CCV2	E2A21015	1	Sample		
4	Vial 3	0F22030-CCB1	E2A21015	1	Sample		
5	Vial 1	Hexane	E2A21015	1	Sample		
6	Vial 3	0F22030-ICB1	E2A21015	1	Sample		
7	Vial 54	0F22030-CAL1	E2A21015	1	Sample		
8	Vial 55	0F22030-CAL2	E2A21015	1	Sample		
9	Vial 56	0F22030-CAL3	E2A21015	1	Sample		
10	Vial 57	0F22030-CAL4	E2A21015	1	Sample		
11	Vial 58	0F22030-CAL5	E2A21015	1	Sample		
12	Vial 59	0F22030-CAL6	E2A21015	1	Sample		
13	Vial 60	0F22030-CAL7	E2A21015	1	Sample		
14	Vial 1	0F22030-IBL1	E2A21015	1	Sample		
15	Vial 61	0F22030-ICV1	E2A21015	1	Sample		
16	Vial 62	0F22030-CAL8	E2A21015	1	Sample		
17	Vial 63	0F22030-CAL9	E2A21015	1	Sample		
18	Vial 64	0F22030-CALA	E2A21015	1	Sample		
19	Vial 65	0F22030-CALB	E2A21015	1	Sample		
20	Vial 66	0F22030-CALC	E2A21015	1	Sample		
21	Vial 67	0F22030-CALD	E2A21015	1	Sample		
22	Vial 68	0F22030-CALE	E2A21015	1	Sample		
23	Vial 69	0F22030-ICV2	E2A21015	1	Sample		
24	Vial 70	0F22030-ICV3	E2A21015	1	Sample		
25	Vial 71	0F22030-ICV4	E2A21015	1	Sample		
26	Vial 72	0F22030-ICV5	E2A21015	1	Sample		

6/23/20

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Hexane	E2A21015	1	Sample		
2	Vial 51	Hexane	E2A21015	1	Sample		
3	Vial 52	0F22031-CCV2	E2A21015	1	Sample		
4	Vial 53	0F22031-CCB1	E2A21015	1	Sample		
5	Vial 53	0F22031-ICB1	E2A21015	1	Sample		
6	Vial 54	0F22031-CAL1	E2A21015	1	Sample		
7	Vial 55	0F22031-CAL2	E2A21015	1	Sample		
8	Vial 56	0F22031-CAL3	E2A21015	1	Sample		
9	Vial 57	0F22031-CAL4	E2A21015	1	Sample		
10	Vial 58	0F22031-CAL5	E2A21015	1	Sample		
11	Vial 59	0F22031-CAL6	E2A21015	1	Sample		
12	Vial 60	0F22031-CAL7	E2A21015	1	Sample		
13	Vial 51	0F22031-IBL1	E2A21015	1	Sample		
14	Vial 61	0F22031-ICV1	E2A21015	1	Sample		
15	Vial 62	0F22031-CAL8	E2A21015	1	Sample		
16	Vial 63	0F22031-CAL9	E2A21015	1	Sample		
17	Vial 64	0F22031-CALA	E2A21015	1	Sample		
18	Vial 65	0F22031-CALB	E2A21015	1	Sample		
19	Vial 66	0F22031-CALC	E2A21015	1	Sample		
20	Vial 67	0F22031-CALD	E2A21015	1	Sample		
21	Vial 68	0F22031-CALE	E2A21015	1	Sample		
22	Vial 69	0F22031-ICV2	E2A21015	1	Sample		
23	Vial 70	0F22031-ICV3	E2A21015	1	Sample		
24	Vial 71	0F22031-ICV4	E2A21015	1	Sample		

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 10:39:19 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.878	1321445	8.069	ng/ml
64)	S DCBP (S)	9.679	1222731	10.682	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.798	114671	21.972	ng/ml
3)	Aroclor 1016 (2)	6.212	217974	19.829	ng/ml
4)	Aroclor 1016 (3)	6.293	122243	21.170	ng/ml
5)	Aroclor 1016 (4)	6.451	93210	22.011	ng/ml
6)	Aroclor 1016 (5)	6.674	117378	21.875	ng/ml
7)	Aroclor 1016 (6)	6.801	86779	21.895	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:39:19 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.604	218884	22.029	ng/ml
44)	Aroclor 1260 (2)	7.737	264494	21.439	ng/ml
45)	Aroclor 1260 (3)	8.296	208593	22.716	ng/ml
46)	Aroclor 1260 (4)	8.466	458871	20.957	ng/ml
47)	Aroclor 1260 (5)	8.766	302800	22.199	ng/ml
48)	Aroclor 1260 (6)	9.164	140770	25.911	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F22030\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:39:19 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

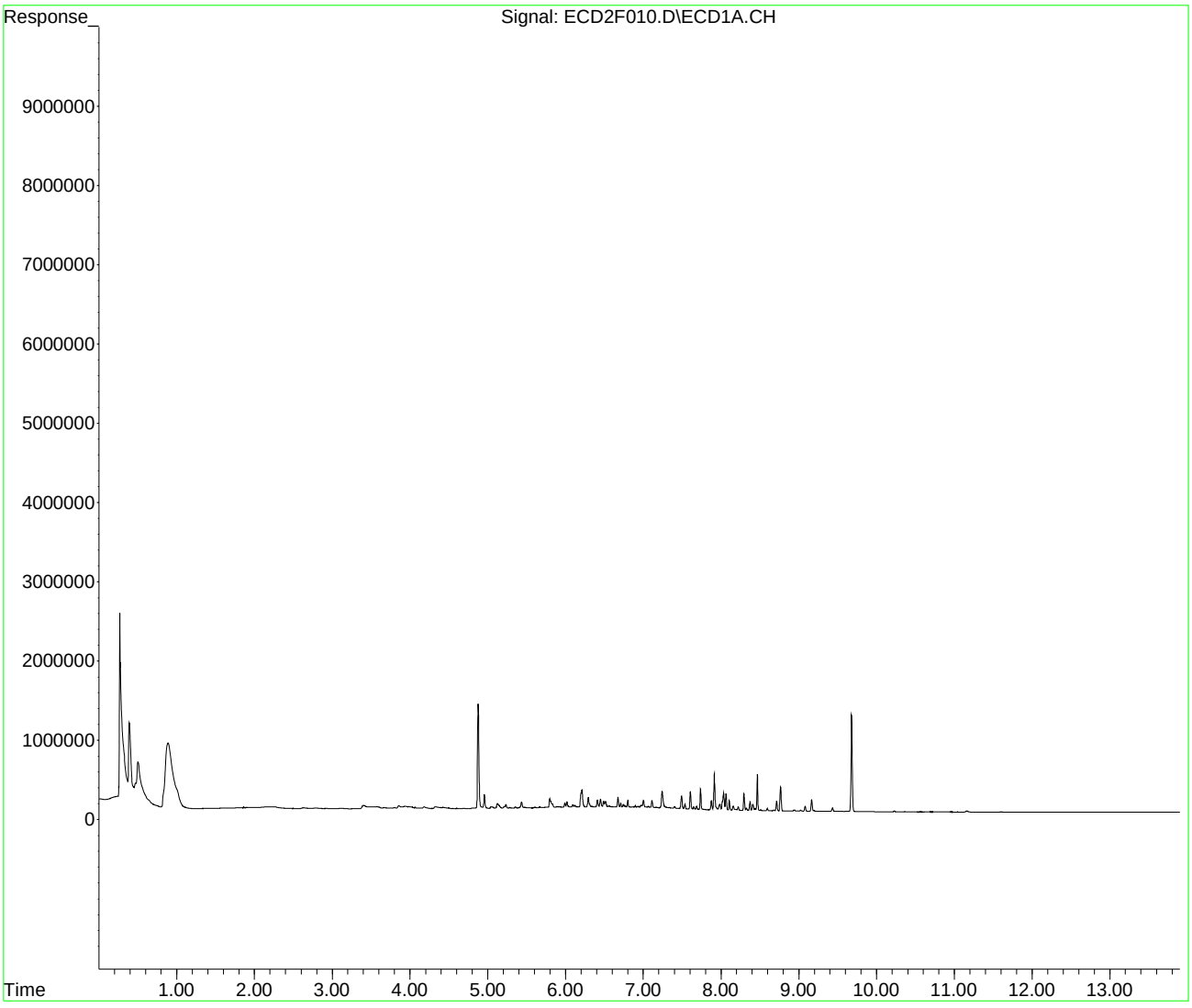
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:40
Operator : MJB / KAK
Sample : 0F22030-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:39:19 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 10:40:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.878	3364549	20.545	ng/ml
64)	S DCBP (S)	9.677	2901210	25.346	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.797	250610	48.020	ng/ml
3)	Aroclor 1016 (2)	6.211	502949	45.753	ng/ml
4)	Aroclor 1016 (3)	6.292	272260	47.150	ng/ml
5)	Aroclor 1016 (4)	6.450	207464	48.991	ng/ml
6)	Aroclor 1016 (5)	6.673	263506	49.109	ng/ml
7)	Aroclor 1016 (6)	6.800	196343	49.539	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:40:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.603	494275	49.745	ng/ml
44)	Aroclor 1260 (2)	7.735	593624	48.117	ng/ml
45)	Aroclor 1260 (3)	8.294	468508	51.020	ng/ml
46)	Aroclor 1260 (4)	8.464	1063915	48.590	ng/ml
47)	Aroclor 1260 (5)	8.764	695563	50.994	ng/ml
48)	Aroclor 1260 (6)	9.163	311796	57.390	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:40:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

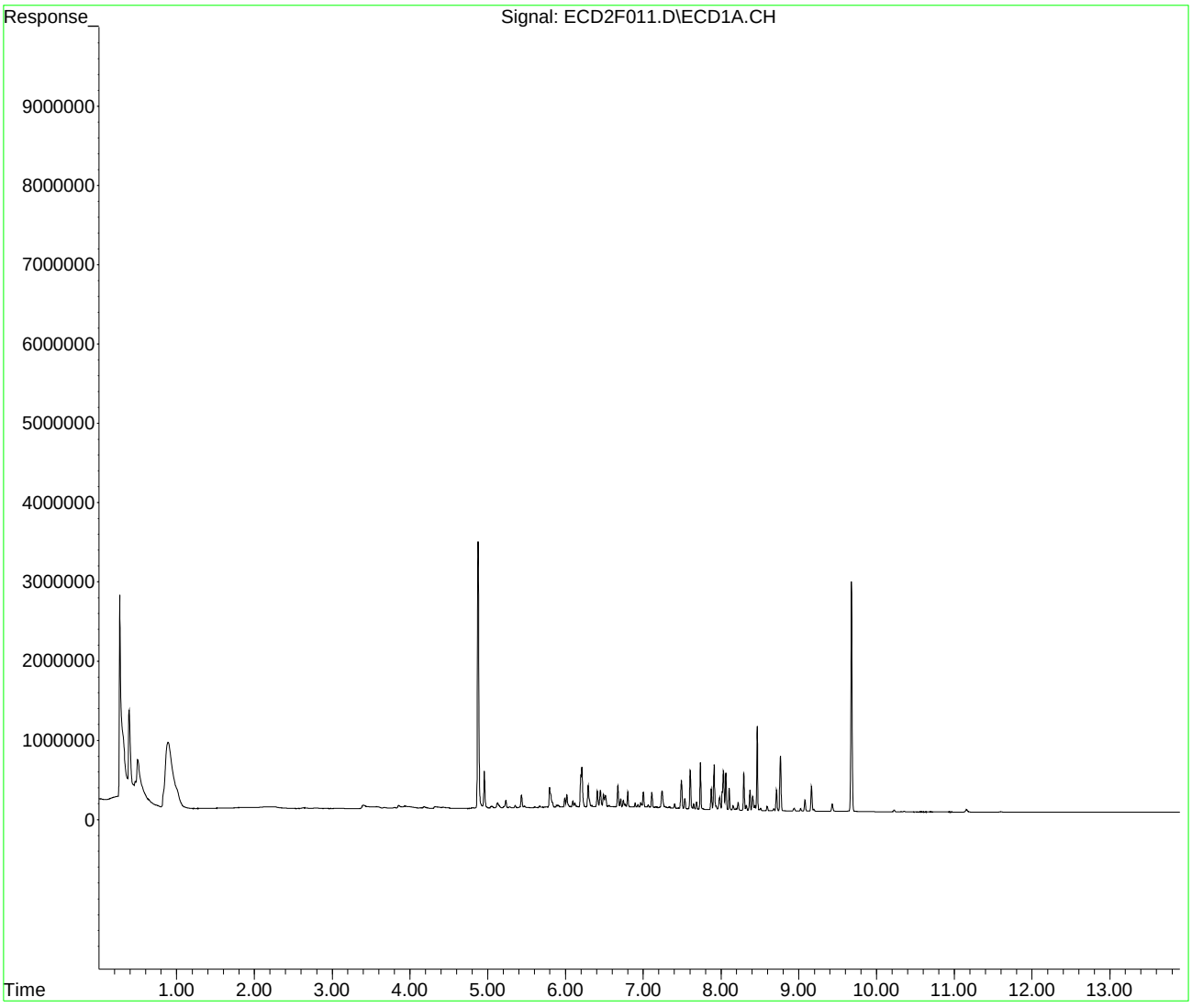
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 17:58
Operator : MJB / KAK
Sample : 0F22030-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:40:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK KAK 6/24/2020
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:42:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.879	6899657	42.131	ng/ml
64) S	DCBP (S)	9.678	5880384	51.372	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.797	488759	93.652	ng/ml
3)	Aroclor 1016 (2)	6.211	999098	90.888	ng/ml
4)	Aroclor 1016 (3)	6.292	546054	94.566	ng/ml
5)	Aroclor 1016 (4)	6.450	410421	96.918	ng/ml
6)	Aroclor 1016 (5)	6.673	507036	94.494	ng/ml
7)	Aroclor 1016 (6)	6.800	381893	96.355	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:42:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.604	953992	96.013	ng/ml
44)	Aroclor 1260 (2)	7.736	1122579	90.993	ng/ml
45)	Aroclor 1260 (3)	8.295	908162	98.898	ng/ml
46)	Aroclor 1260 (4)	8.464	2106967	96.228	ng/ml
47)	Aroclor 1260 (5)	8.765	1356736	99.467	ng/ml
48)	Aroclor 1260 (6)	9.162	579494	106.664	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:42:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

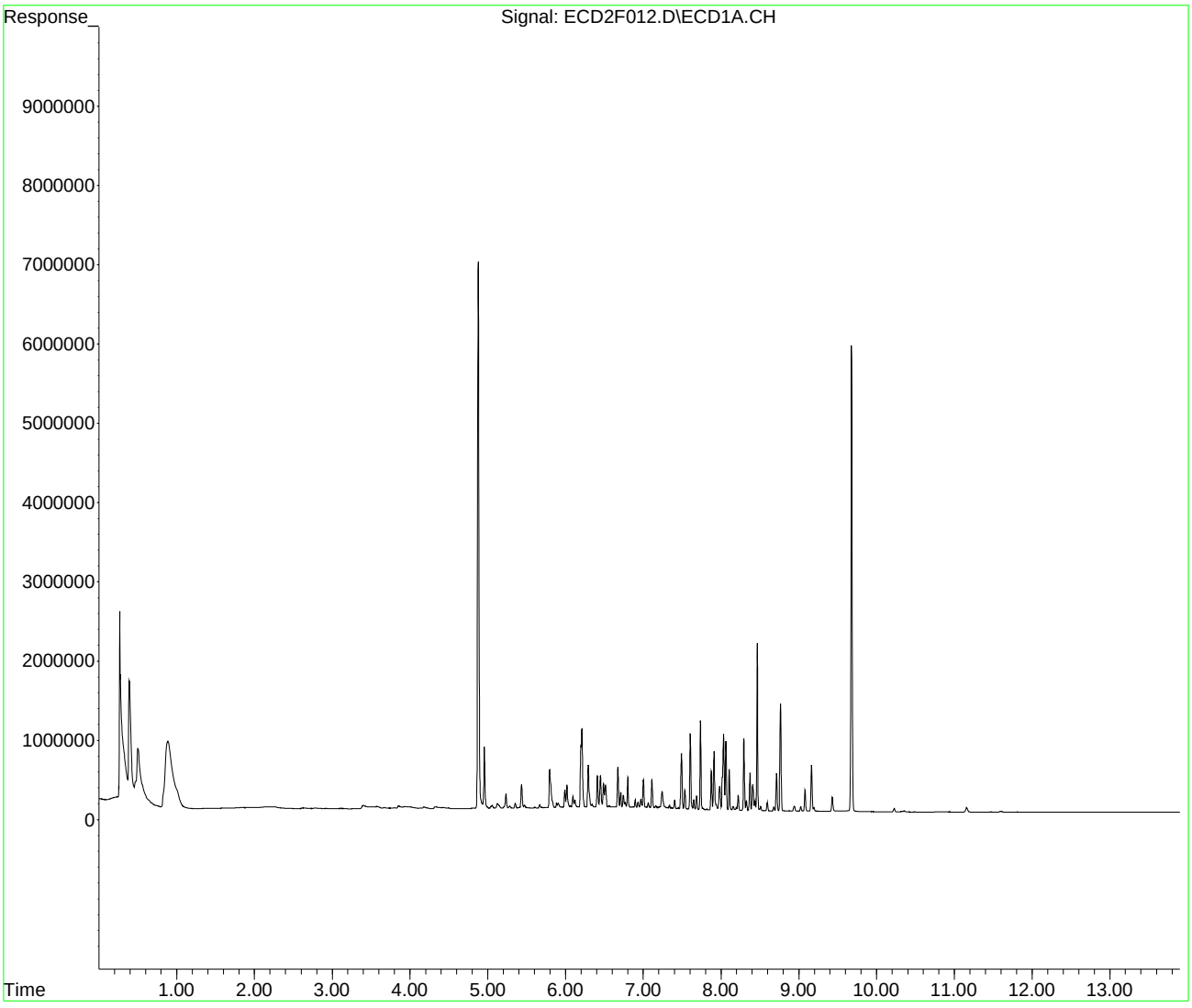
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:15
Operator : MJB / KAK
Sample : 0F22030-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:42:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 10:44:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.877	13533018	82.636	ng/ml
64)	S DCBP (S)	9.677	12180091	106.408	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.796	910941	174.547	ng/ml
3)	Aroclor 1016 (2)	6.210	1998027	181.761	ng/ml
4)	Aroclor 1016 (3)	6.291	1037136	179.612	ng/ml
5)	Aroclor 1016 (4)	6.449	759854	179.434	ng/ml
6)	Aroclor 1016 (5)	6.672	1005387	187.370	ng/ml
7)	Aroclor 1016 (6)	6.799	699487	176.488	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:44:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.603	1816042	182.772	ng/ml
44)	Aroclor 1260 (2)	7.735	2289230	185.558	ng/ml
45)	Aroclor 1260 (3)	8.294	1747877	190.342	ng/ml
46)	Aroclor 1260 (4)	8.463	4124364	188.364	ng/ml
47)	Aroclor 1260 (5)	8.764	2791057	204.622	ng/ml
48)	Aroclor 1260 (6)	9.162	1108866	204.102	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F22030\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:44:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

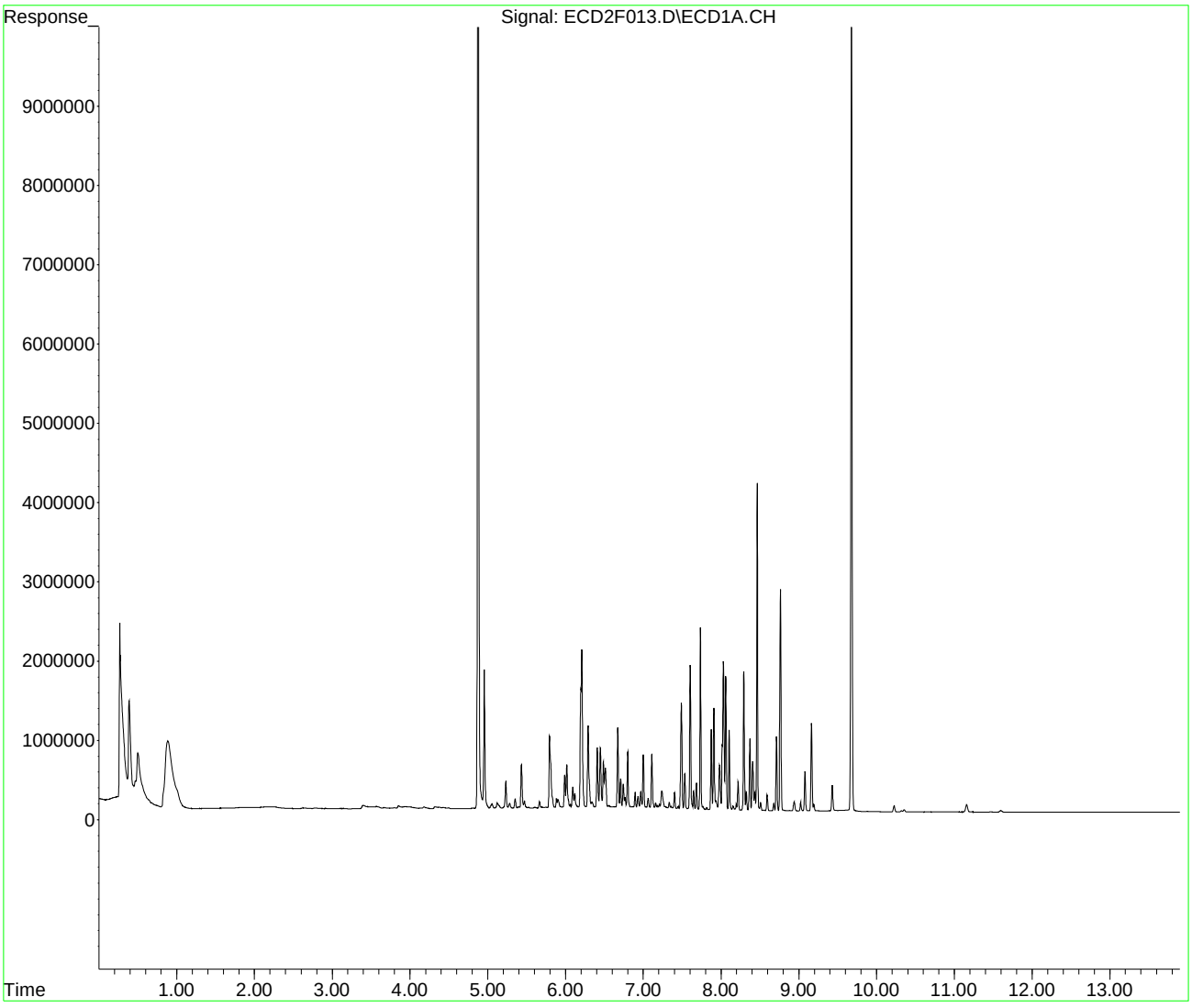
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:33
Operator : MJB / KAK
Sample : 0F22030-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:44:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 10:37:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 10:36:24 2020
Response via : Initial Calibration
Integrator: 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)	4.879	35807197	218.647	ng/ml
64)	S DCBP (S)	9.678	31293660	273.389	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.797	2311712	442.952	ng/ml
3)	Aroclor 1016 (2)	6.211	4925919	448.113	ng/ml
4)	Aroclor 1016 (3)	6.293	2599280	450.146	ng/ml
5)	Aroclor 1016 (4)	6.450	1855679	438.204	ng/ml
6)	Aroclor 1016 (5)	6.673	2436748	454.127	ng/ml
7)	Aroclor 1016 (6)	6.800	1862202	469.853	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:37:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 10:36:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.604	4613025	464.270	ng/ml
44)	Aroclor 1260 (2)	7.736	5911126	479.137	ng/ml
45)	Aroclor 1260 (3)	8.296	4415322	480.824	ng/ml
46)	Aroclor 1260 (4)	8.465	10944677	499.856	ng/ml
47)	Aroclor 1260 (5)	8.765	7098160	520.392	ng/ml
48)	Aroclor 1260 (6)	9.164	2845981	523.843	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:37:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 10:36:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

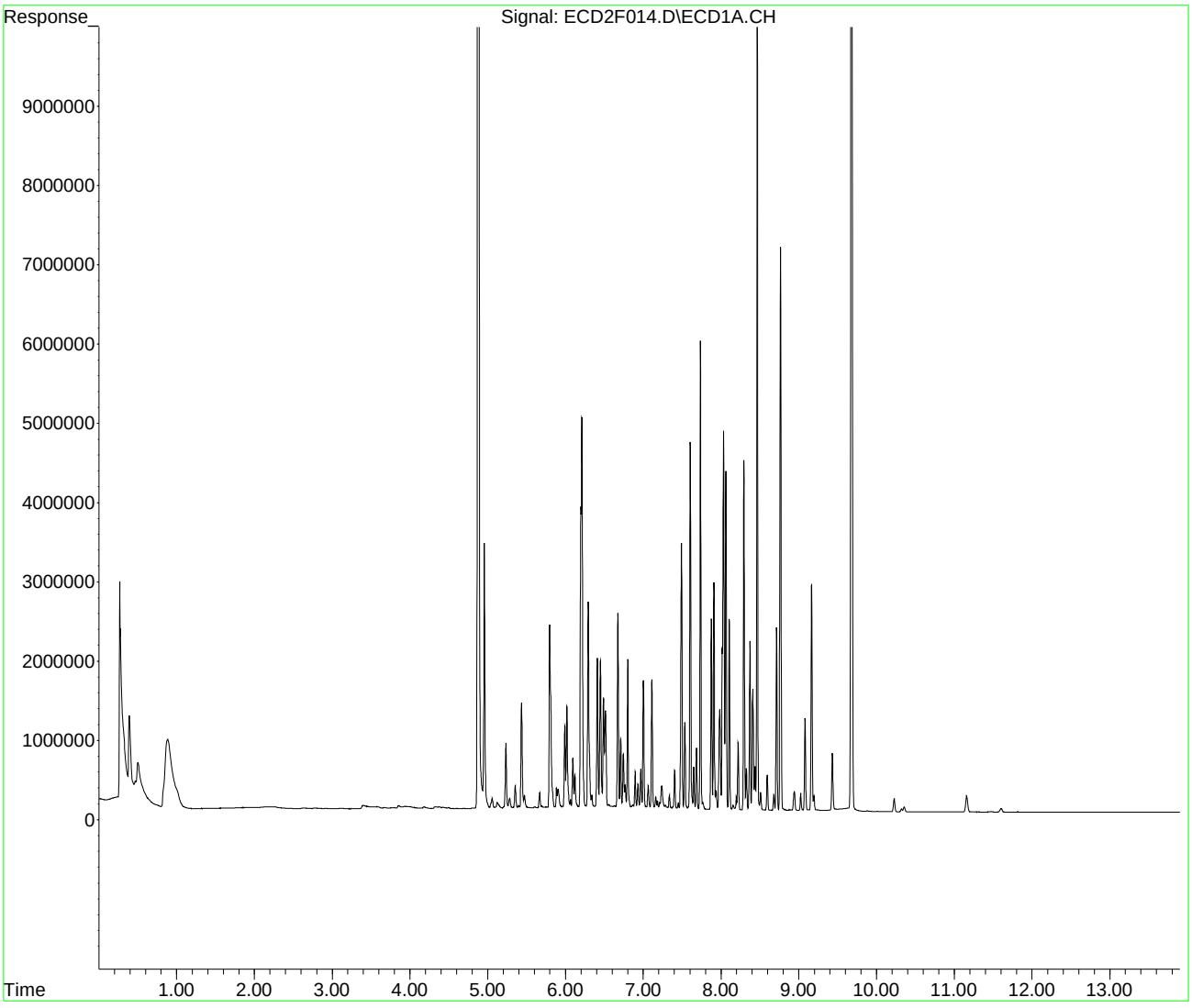
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 18:51
Operator : MJB / KAK
Sample : 0F22030-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:37:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 10:36:24 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 10:45:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.881	74801019	456.753	ng/ml
64)	S DCBP (S)	9.678	66051827	577.044	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.798	4290376	822.088	ng/ml
3)	Aroclor 1016 (2)	6.212	10032044	912.619	ng/ml
4)	Aroclor 1016 (3)	6.293	5140921	890.310	ng/ml
5)	Aroclor 1016 (4)	6.451	3762955	888.593	ng/ml
6)	Aroclor 1016 (5)	6.674	4825909	899.387	ng/ml
7)	Aroclor 1016 (6)	6.800	3513537	886.501	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:45:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.604	9304677	936.453	ng/ml
44)	Aroclor 1260 (2)	7.736	11589691	939.423	ng/ml
45)	Aroclor 1260 (3)	8.296	9034721	983.872	ng/ml
46)	Aroclor 1260 (4)	8.465	22155593	1011.871	ng/ml
47)	Aroclor 1260 (5)	8.766	14762035	1082.258	ng/ml
48)	Aroclor 1260 (6)	9.164	5556964	1022.837	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:45:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

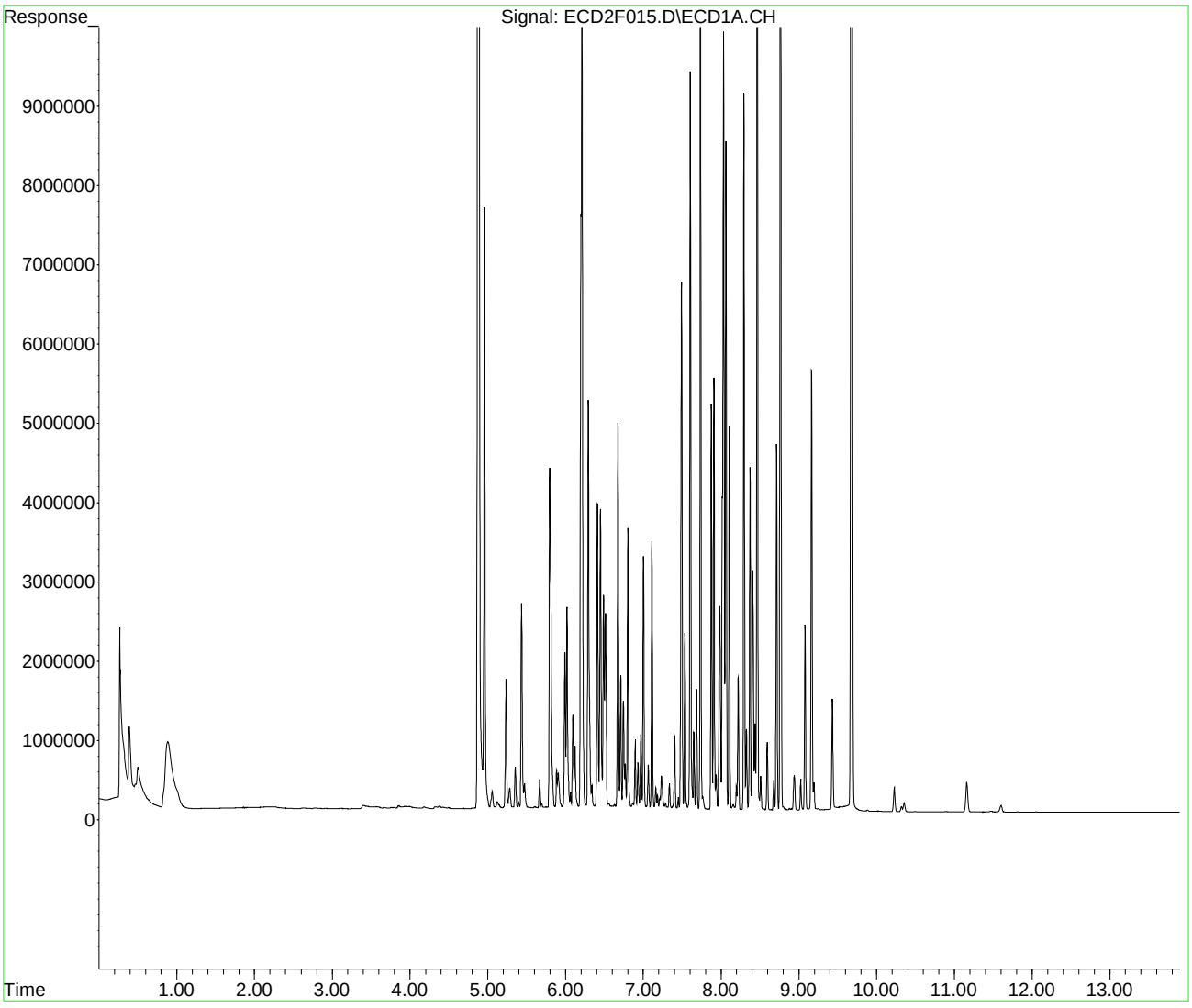
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:08
Operator : MJB / KAK
Sample : 0F22030-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:45:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 10:46:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.881	129070637	788.137	ng/ml
64)	S DCBP (S)	9.680	111320258	972.520	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.798	6647447	1273.731	ng/ml
3)	Aroclor 1016 (2)	6.212	14720058	1339.090	ng/ml
4)	Aroclor 1016 (3)	6.293	7735185	1339.588	ng/ml
5)	Aroclor 1016 (4)	6.451	5666348	1338.064	ng/ml
6)	Aroclor 1016 (5)	6.674	7568085	1410.436	ng/ml
7)	Aroclor 1016 (6)	6.801	5477513	1382.032	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:46:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.605	13838265	1392.728	ng/ml
44)	Aroclor 1260 (2)	7.737	17632145	1429.204	ng/ml
45)	Aroclor 1260 (3)	8.296	14179672	1544.152	ng/ml
46)	Aroclor 1260 (4)	8.466	34666662	1583.266	ng/ml
47)	Aroclor 1260 (5)	8.766	22472845	1647.565	ng/ml
48)	Aroclor 1260 (6)	9.164	8609687	1584.734	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F22030\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:46:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

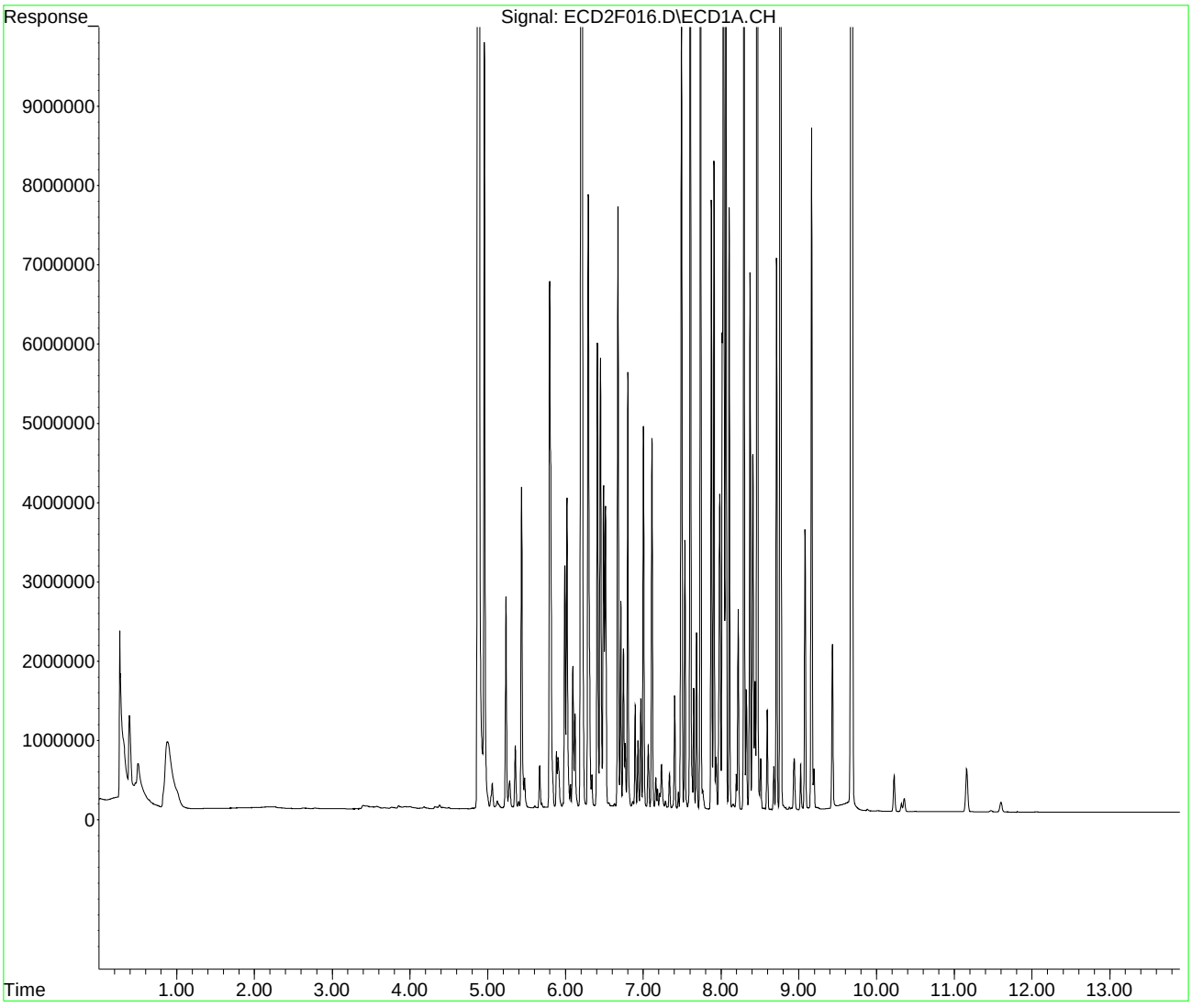
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 19:26
Operator : MJB / KAK
Sample : 0F22030-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 10:46:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Sun Jun 14 18:37:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:19
Operator : MJB / KAK
Sample : 0F22030-CAL8
Misc :
ALS Vial : 62 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 11:10:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:09:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	0.000	0	N.D.	ng/mld
64)	S DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	5.236	869149	437.897	ng/ml
10)	Aroclor 1221 (2)	5.355	556194	432.932	ng/ml
11)	Aroclor 1221 (3)	5.435	1810161	435.923	ng/ml
12)	Aroclor 1221 (4)	5.903	292857	439.504	ng/ml
13)	Aroclor 1221 (5)	6.210	350215	449.719	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:19
Operator : MJB / KAK
Sample : 0F22030-CAL8
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:10:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:09:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F22030\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:19
Operator : MJB / KAK
Sample : 0F22030-CAL8
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:10:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:09:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

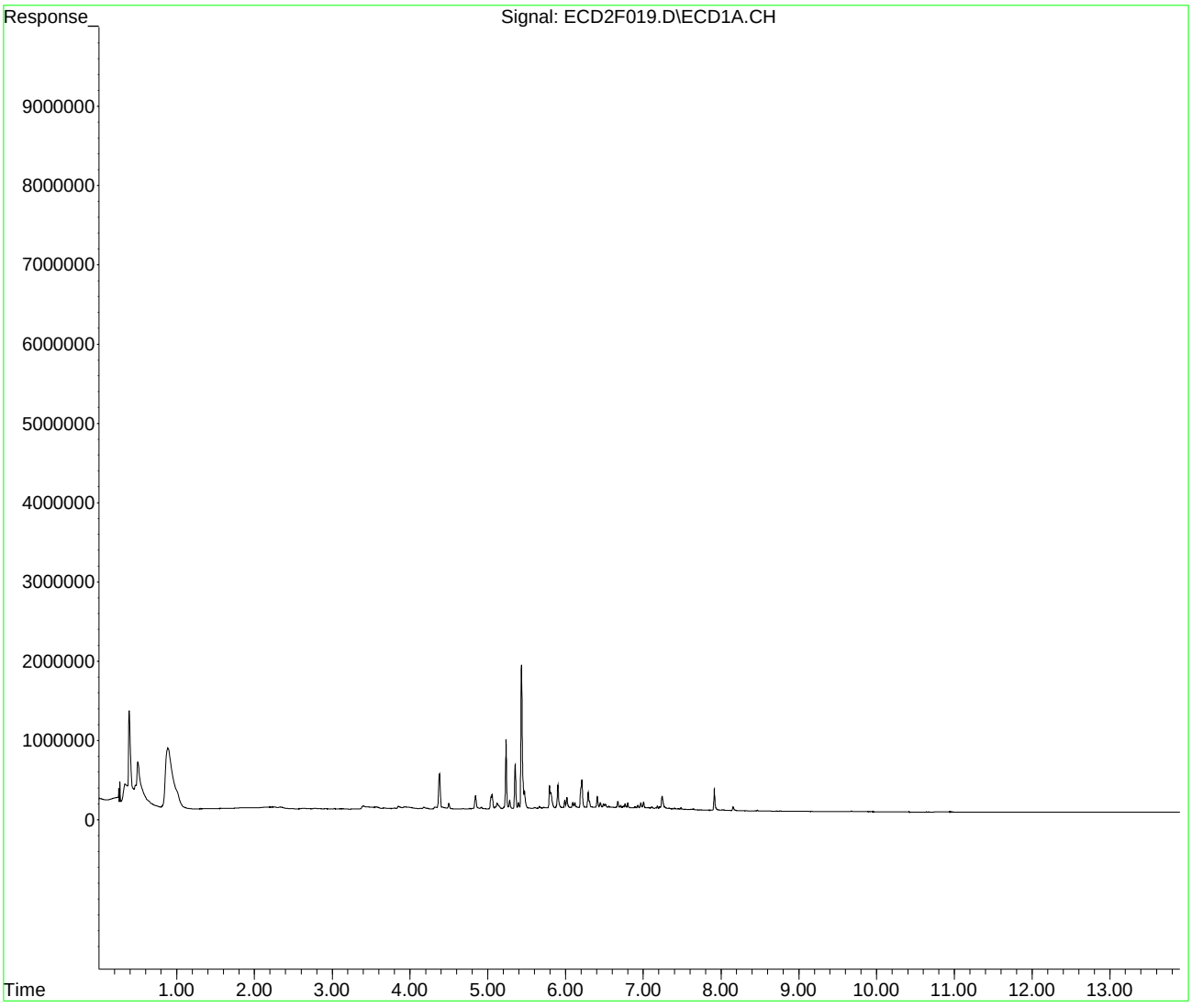
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:19
Operator : MJB / KAK
Sample : 0F22030-CAL8
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:10:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:09:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:37
Operator : MJB / KAK
Sample : 0F22030-CAL9
Misc :
ALS Vial : 63 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 11:12:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:11:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	0.000	0	N.D.	ng/mld
64)	S DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	5.435	1515972	464.741	ng/ml
16)	Aroclor 1232 (2)	6.210	1965970	464.097	ng/ml
17)	Aroclor 1232 (3)	6.292	1090931	493.574	ng/ml
18)	Aroclor 1232 (4)	6.449	644798	467.779	ng/ml
19)	Aroclor 1232 (5)	6.673	914203	477.942	ng/ml
20)	Aroclor 1232 (6)	6.800	768994	485.351	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:37
Operator : MJB / KAK
Sample : 0F22030-CAL9
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:12:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:11:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F22030\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:37
Operator : MJB / KAK
Sample : 0F22030-CAL9
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:12:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:11:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

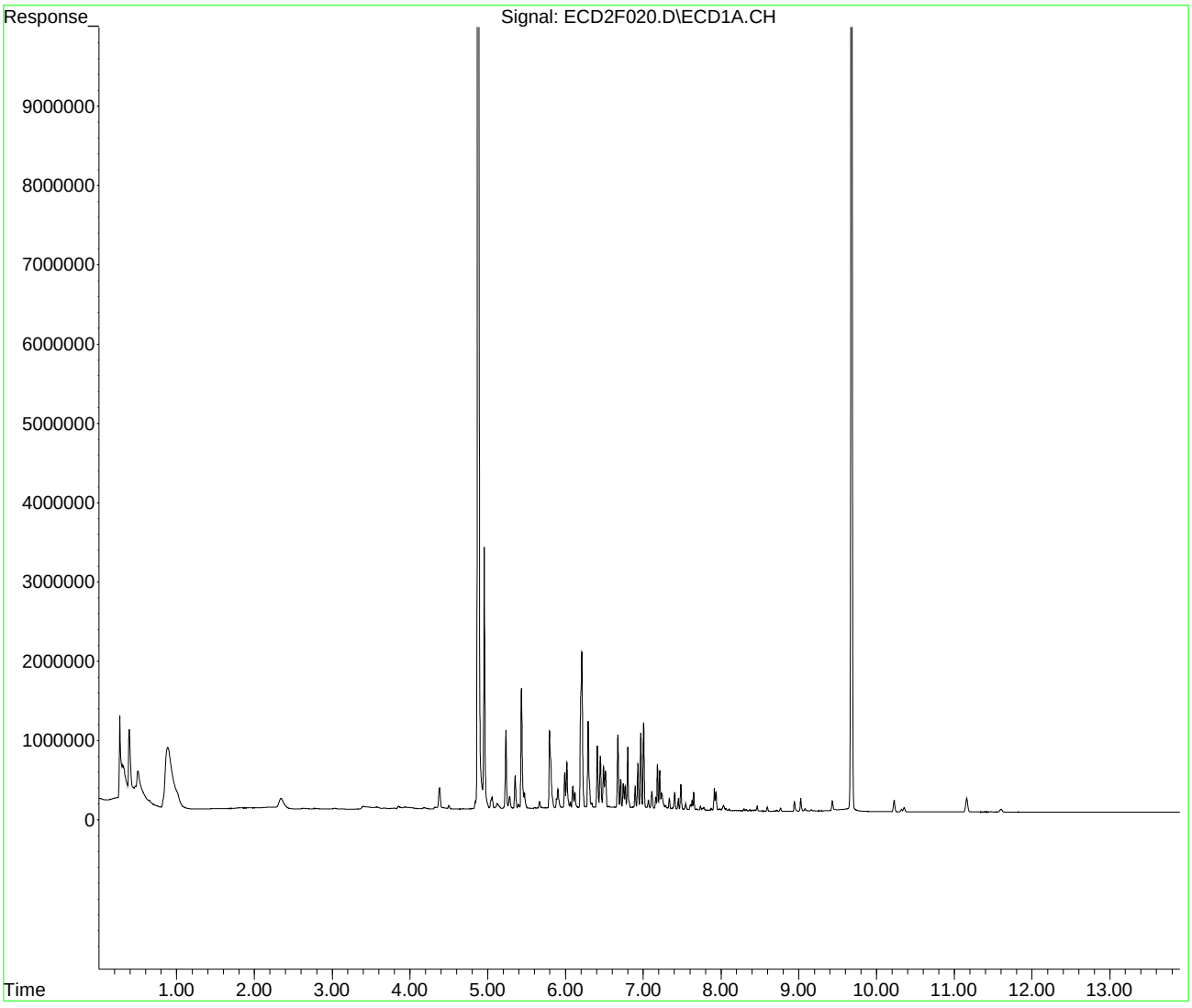
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:37
Operator : MJB / KAK
Sample : 0F22030-CAL9
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:12:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:11:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:54
Operator : MJB / KAK
Sample : 0F22030-CALA KAK 6/24/2020
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:14:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:13:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	5.797	1751610	484.589	ng/ml
23)	Aroclor 1242 (2)	6.210	3751341	472.694	ng/ml
24)	Aroclor 1242 (3)	6.291	1987423	480.322	ng/ml
25)	Aroclor 1242 (4)	6.450	1307759	474.071	ng/ml
26)	Aroclor 1242 (5)	6.673	1873592	492.368	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:54
Operator : MJB / KAK
Sample : 0F22030-CALA
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:14:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:13:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.800	1638586	~~479.232~~	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:54
Operator : MJB / KAK
Sample : 0F22030-CALA
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:14:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:13:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

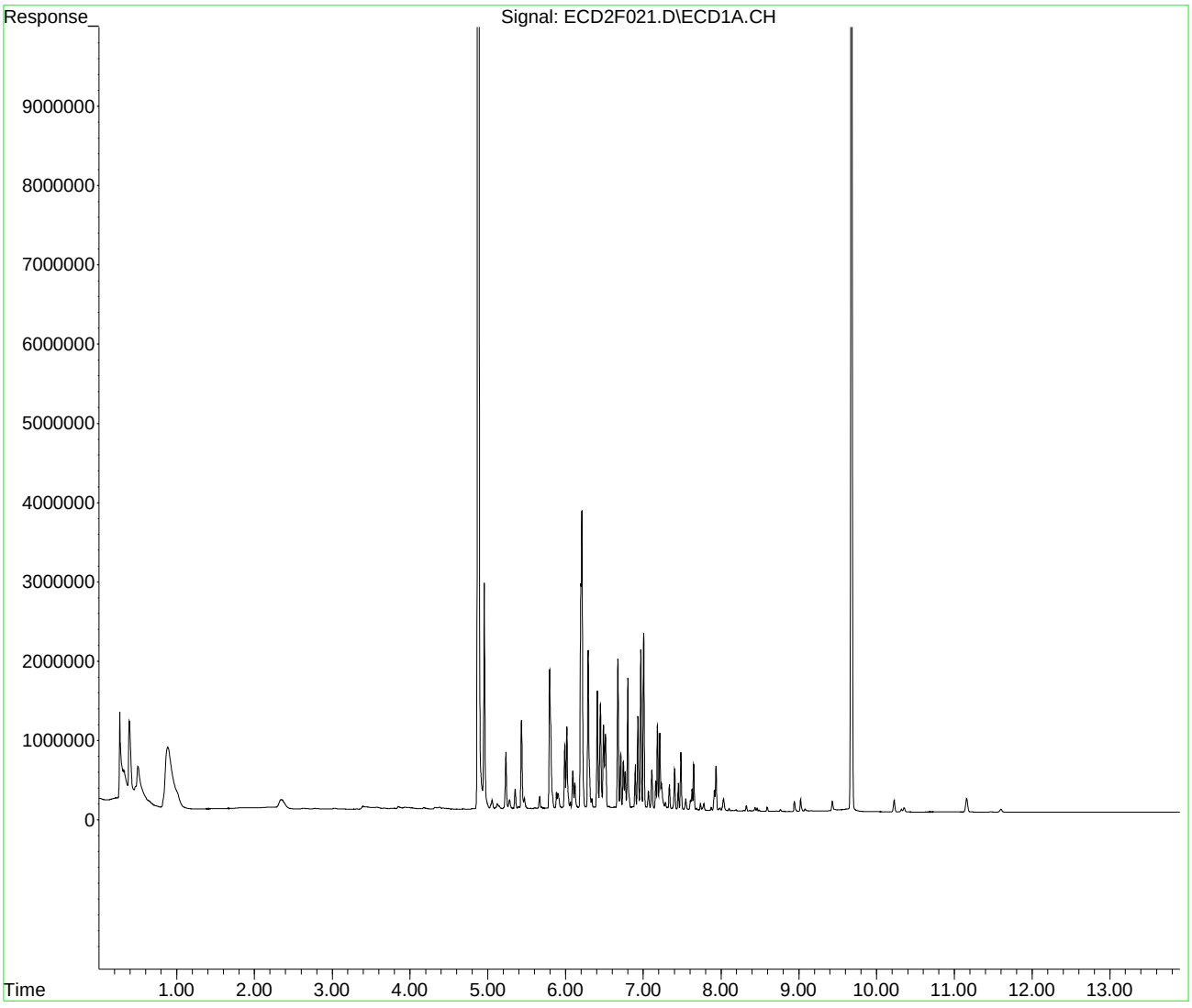
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 20:54
Operator : MJB / KAK
Sample : 0F22030-CALA
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:14:29 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:13:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:12
Operator : MJB / KAK
Sample : 0F22030-CALB
Misc :
ALS Vial : 65 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 11:16:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:15:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:12
Operator : MJB / KAK
Sample : 0F22030-CALB
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:16:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:15:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	6.211	2312013	473.496	ng/ml
30)	Aroclor 1248 (2)	6.451	2507517	480.772	ng/ml
31)	Aroclor 1248 (3)	6.673	3055248	471.109	ng/ml
32)	Aroclor 1248 (4)	6.968	3663457	485.747	ng/ml
33)	Aroclor 1248 (5)	7.006	3938451	468.200	ng/ml
34)	Aroclor 1248 (6)	7.484	1966513	482.033	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F22030\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:12
Operator : MJB / KAK
Sample : 0F22030-CALB
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:16:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:15:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

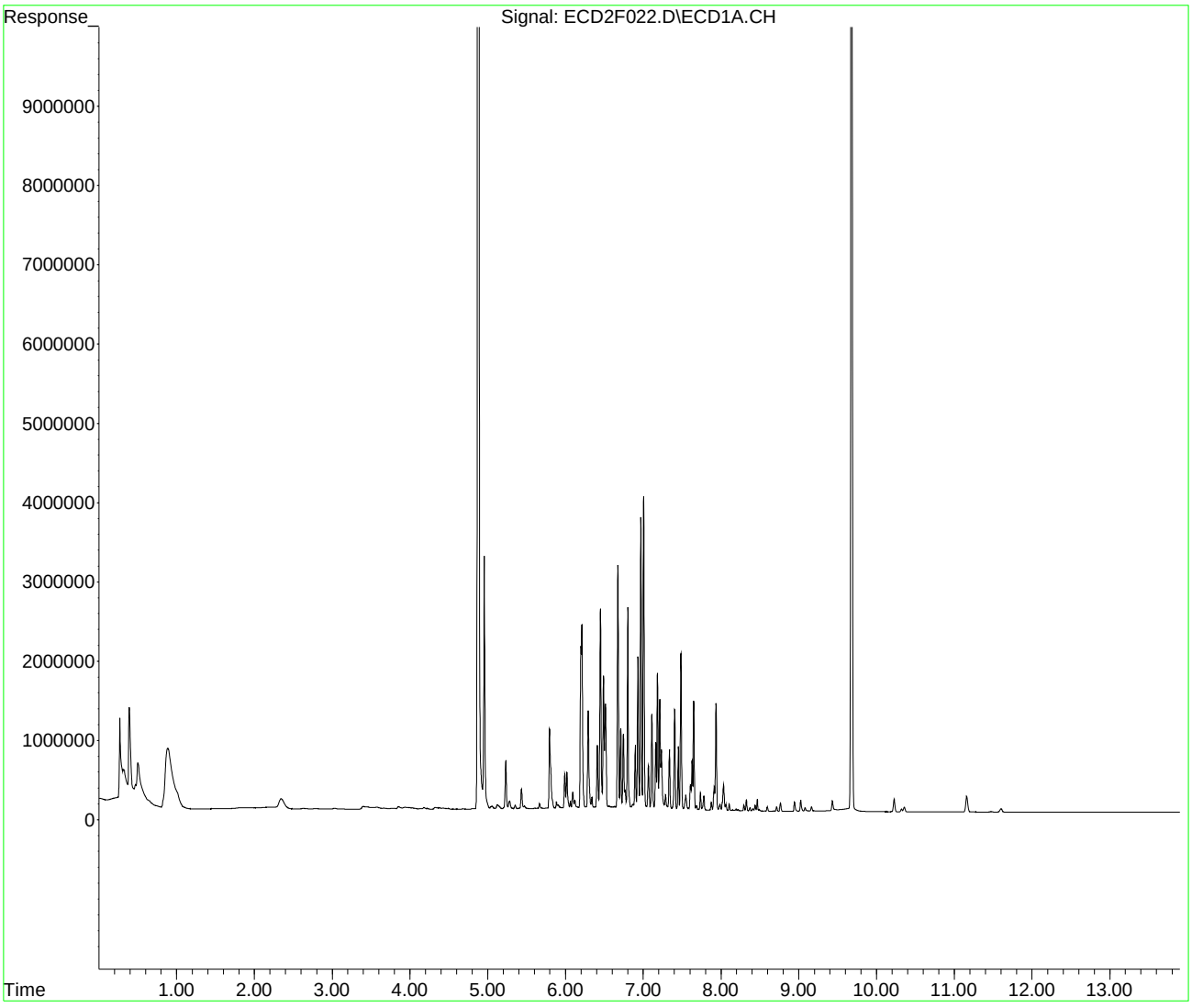
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:12
Operator : MJB / KAK
Sample : 0F22030-CALB
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:16:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:15:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:29
Operator : MJB / KAK
Sample : 0F22030-CALC
Misc :
ALS Vial : 66 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 11:18:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:17:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:29
Operator : MJB / KAK
Sample : 0F22030-CALC
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:18:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:17:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	7.003	3529056	450.398	ng/ml
37)	Aroclor 1254 (2)	7.111	4268172	495.929	ng/ml
38)	Aroclor 1254 (3)	7.485	6776067	469.247	ng/ml
39)	Aroclor 1254 (4)	7.649	4629094	499.416	ng/ml
40)	Aroclor 1254 (5)	8.032	4616466	510.437	ng/ml
41)	Aroclor 1254 (6)	8.325	1501885	501.730	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F22030\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:29
Operator : MJB / KAK
Sample : 0F22030-CALC
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:18:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:17:03 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

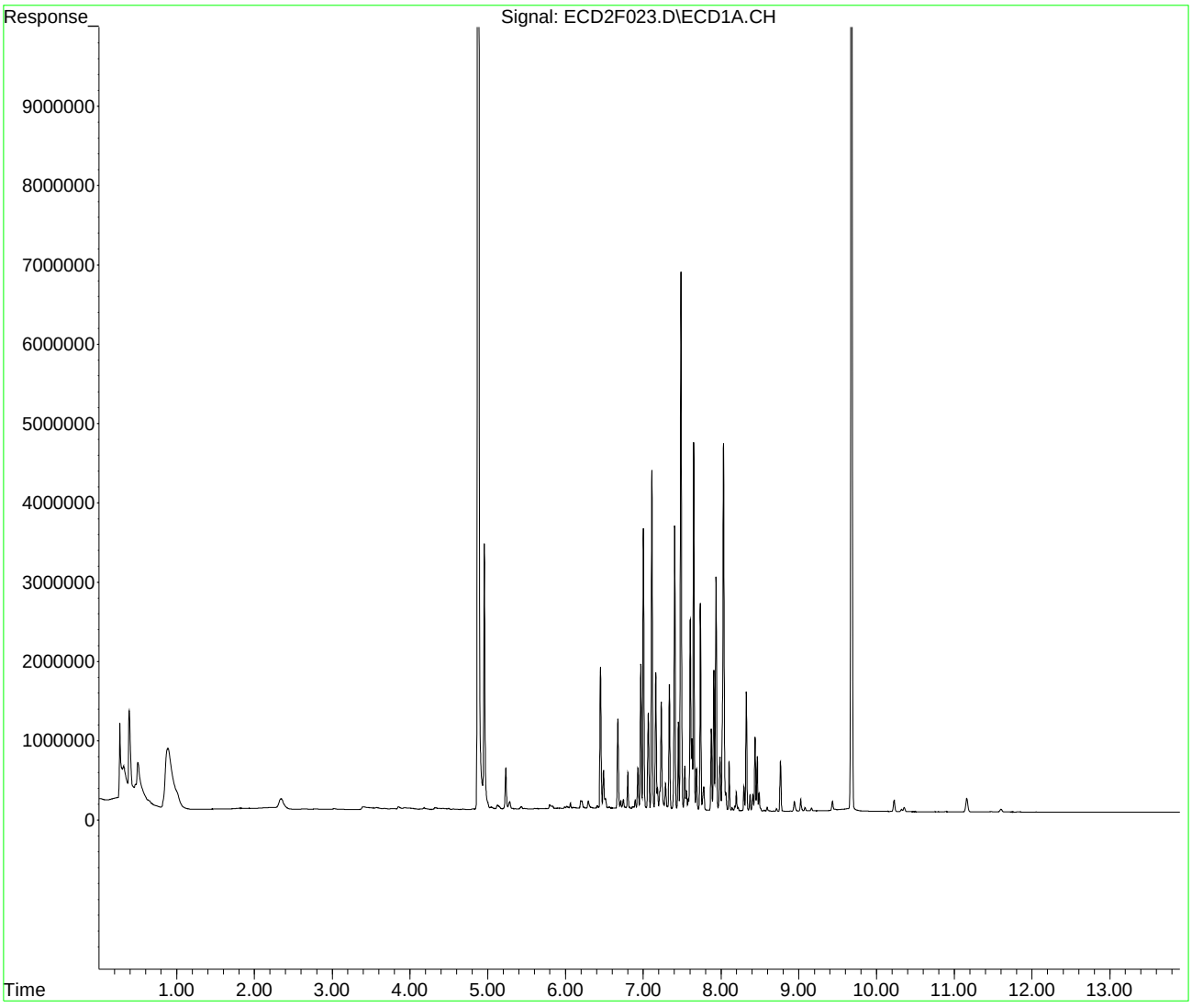
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:29
Operator : MJB / KAK
Sample : 0F22030-CALC
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:18:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:17:03 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:47
Operator : MJB / KAK KAK 6/24/2020
Sample : 0F22030-CALD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:19:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:18:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:47
Operator : MJB / KAK
Sample : 0F22030-CALD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:19:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:18:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	7.736	4535938	510.346	ng/ml
51)	Aroclor 1262 (2)	8.062	6368536	505.972	ng/ml
52)	Aroclor 1262 (3)	8.295	5564683	509.769	ng/ml
53)	Aroclor 1262 (4)	8.464	11946912	508.416	ng/ml
54)	Aroclor 1262 (5)	8.764	7241382	522.402	ng/ml
55)	Aroclor 1262 (6)	9.163	3818027	566.778	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F22030\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:47
Operator : MJB / KAK
Sample : 0F22030-CALD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:19:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:18:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

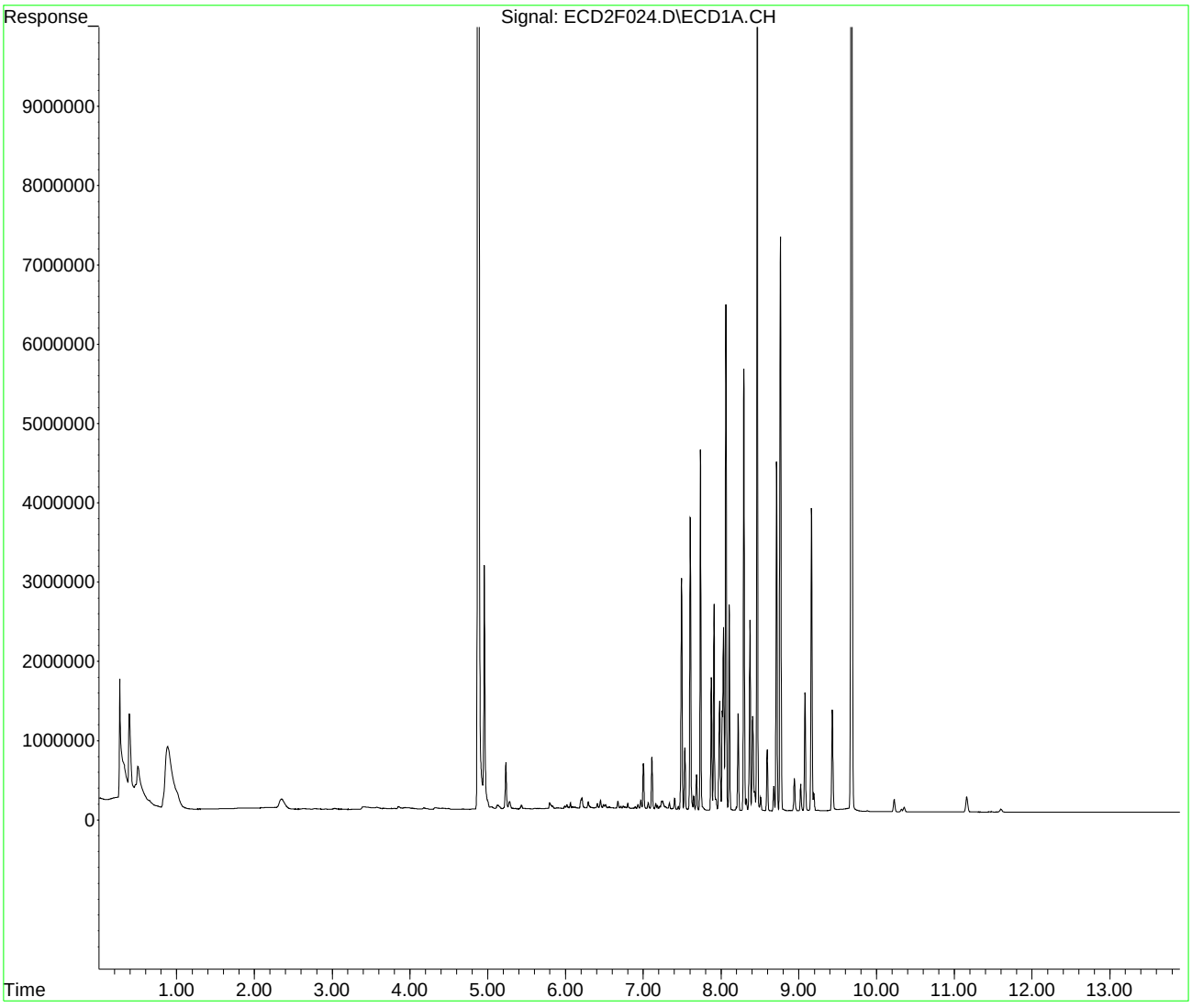
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 21:47
Operator : MJB / KAK
Sample : 0F22030-CALD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:19:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:18:49 2020
Response via : Initial Calibration
Integrator: 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\0F22030\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:05
Operator : MJB / KAK
Sample : 0F22030-CALE
Misc :
ALS Vial : 68 Sample Multiplier: 1

KAK 6/24/2020

Integration File: PCB1.e
Quant Time: Jun 23 11:21:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:20:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:05
Operator : MJB / KAK
Sample : 0F22030-CALE
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:21:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:20:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	8.287	2852797	~~505.771~~	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:05
Operator : MJB / KAK
Sample : 0F22030-CALE
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:21:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:20:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	8.714	13872474	528.370	ng/ml
59)	Aroclor 1268 (3)	8.761	11774233	509.083	ng/ml
60)	Aroclor 1268 (4)	8.945	10771801	509.888	ng/ml
61)	Aroclor 1268 (5)	9.164	4220282	566.602	ng/ml
62)	Aroclor 1268 (6)	9.433	32226609	555.364	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

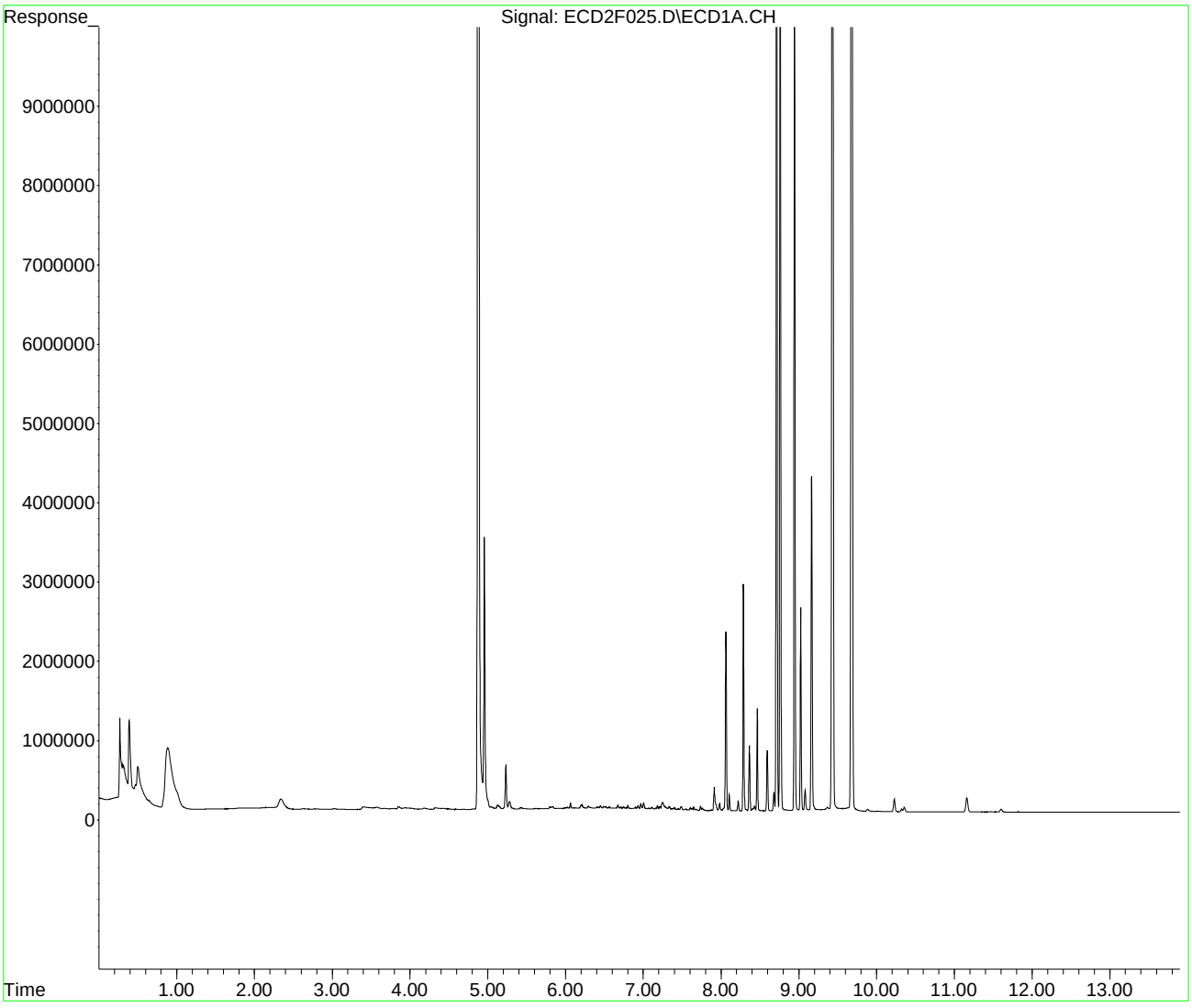
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F22030\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 22 Jun 2020 22:05
Operator : MJB / KAK
Sample : 0F22030-CALE
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jun 23 11:21:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200622.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 23 11:20:41 2020
Response via : Initial Calibration
Integrator: 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 0F30023 (Cal ID A0F3005) DUALECD2R

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0F30023	Instrument:	DUALECD2R
Date:	**06/30/20 06:15**	Calibration:	**A0F3005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F30023-ICB1	Water	QC	QC				A20F379
2	0F30023-CAL1	Water	QC	QC				A20F180
3	0F30023-CAL2	Water	QC	QC				A20F181
4	0F30023-CAL3	Water	QC	QC				A20F183
5	0F30023-CAL4	Water	QC	QC				A20F184
6	0F30023-CAL5	Water	QC	QC				A20F177
7	0F30023-CAL6	Water	QC	QC				A20F178
8	0F30023-CAL7	Water	QC	QC				A20F179
9	0F30023-IBL1	Water	QC	QC				
10	0F30023-ICV1	Water	QC	QC				A20B355
11	0F30023-CAL8	Water	QC	QC				A20C117
12	0F30023-CAL9	Water	QC	QC				A20B322
13	0F30023-CALA	Water	QC	QC				A20B323
14	0F30023-CALB	Water	QC	QC				A20B324
15	0F30023-CALC	Water	QC	QC				A20B325
16	0F30023-CALD	Water	QC	QC				A20B326
17	0F30023-CALE	Water	QC	QC				A20B327
18	0F30023-ICV2	Water	QC	QC				A20B353
19	0F30023-ICV3	Water	QC	QC				A20D351
20	0F30023-ICV4	Water	QC	QC				A20B354
21	0F30023-ICV5	Water	QC	QC				A20B130

Comments:

Data Entered By/Date: KAK 6/30/2020

Data Reviewed By/Date: dgj 7/1/20

6/30/2020 3:29:44PM

Calibration Status Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200630.M
Title : PCB Data Analysis
Last Update : Tue Jun 30 13:17:12 2020
Response Via : Initial Calibration

KAK 6/30/2020

Calibration: A0F3005

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0F30023\ECD2R004.D
2	2	25	0	K:\DATA\0F30023\ECD2R005.D
3	3	50	0	K:\DATA\0F30023\ECD2R006.D
4	4	100	0	K:\DATA\0F30023\ECD2R007.D
5	5	250	0	K:\DATA\0F30023\ECD2R019.D
6	6	500	0	K:\DATA\0F30023\ECD2R009.D
7	7	800	0	K:\DATA\0F30023\ECD2R010.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jun 30 13:13 2020	Jun 30 12:46 2020	30 Jun 2020 7:21
2	2	Jun 30 13:13 2020	Jun 30 12:48 2020	30 Jun 2020 7:38
3	3	Jun 30 13:13 2020	Jun 30 12:49 2020	30 Jun 2020 7:56
4	4	Jun 30 13:13 2020	Jun 30 12:51 2020	30 Jun 2020 8:13
5	5	Jun 30 13:17 2020	Jun 30 13:12 2020	30 Jun 2020 11:45
6	6	Jun 30 13:14 2020	Jun 30 12:53 2020	30 Jun 2020 8:49
7	7	Jun 30 13:14 2020	Jun 30 12:56 2020	30 Jun 2020 9:06

RECD2_QUANTPCB_200630.M Tue Jun 30 14:56:46 2020

Response Factor Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200630.M
Title : PCB Data Analysis
Last Update : Tue Jun 30 13:17:12 2020
Response Via : Initial Calibration

KAK 6/30/2020

Calibration Files
1 =ECD2R004.D 2 =ECD2R005.D 3 =ECD2R006.D
4 =ECD2R007.D 5 =ECD2R019.D 6 =ECD2R009.D

		Compound	1	2	3	4	5	6	Avg		%RSD
1)	S	TCMX (S)	2.923	2.654	2.867	2.868	2.805	3.049	2.813	E5	6.18
2)		Aroclor 1016 ...	1.244	1.058	1.046	0.974	0.922	0.882	0.997	E4	13.37
3)		Aroclor 1016 ...	1.847	1.652	1.618	1.631	1.615	1.542	1.648	E4	5.73
4)		Aroclor 1016 ...	9.947	8.597	8.623	8.364	7.800	7.803	8.378	E3	9.73
5)		Aroclor 1016 ...	1.024	0.883	0.841	0.792	0.748	0.720	0.819	E4	13.27
6)		Aroclor 1016 ...	1.116	0.929	0.954	0.888	0.853	0.819	0.909	E4	11.70
7)		Aroclor 1016 (6)	1.104	0.948	0.978	0.886	0.858	0.816	0.914	E4	11.47
8)		Aroclor 1016 ...							0.000		-1.00
9)		Aroclor 1221 (1)					2.400		2.400	E3	0.00
10)		Aroclor 1221 (2)					2.316		2.316	E3	0.00
11)		Aroclor 1221 (3)					7.594		7.594	E3	0.00
12)		Aroclor 1221 ...					1.549		1.549	E3	0.00
13)		Aroclor 1221 (5)					1.163		1.163	E3	0.00
14)		Aroclor 1221 ...							0.000		-1.00
15)		Aroclor 1232 (1)					6.087		6.087	E3	0.00
16)		Aroclor 1232 (2)					3.898		3.898	E3	0.00
17)		Aroclor 1232 (3)					6.310		6.310	E3	0.00
18)		Aroclor 1232 (4)					2.584		2.584	E3	0.00
19)		Aroclor 1232 (5)					3.085		3.085	E3	0.00
20)		Aroclor 1232 (6)					3.120		3.120	E3	0.00
21)		Aroclor 1232 ...							0.000		-1.00
22)		Aroclor 1242 ...					6.997		6.997	E3	0.00
23)		Aroclor 1242 ...					1.208		1.208	E4	0.00
24)		Aroclor 1242 ...					5.881		5.881	E3	0.00
25)		Aroclor 1242 ...					5.300		5.300	E3	0.00
26)		Aroclor 1242 ...					6.365		6.365	E3	0.00
27)		Aroclor 1242 (6)					6.268		6.268	E3	0.00
28)		Aroclor 1242 ...							0.000		-1.00
29)		Aroclor 1248 ...					7.916		7.916	E3	0.00
30)		Aroclor 1248 ...					9.823		9.823	E3	0.00
31)		Aroclor 1248 ...					9.263		9.263	E3	0.00
32)		Aroclor 1248 ...					1.105		1.105	E4	0.00
33)		Aroclor 1248 ...					1.366		1.366	E4	0.00
34)		Aroclor 1248 (6)					1.120		1.120	E4	0.00
35)		Aroclor 1248 ...							0.000		-1.00
36)		Aroclor 1254 ...					1.318		1.318	E4	0.00
37)		Aroclor 1254 ...					2.037		2.037	E4	0.00
38)		Aroclor 1254 ...					2.222		2.222	E4	0.00
39)		Aroclor 1254 ...					1.674		1.674	E4	0.00
40)		Aroclor 1254 ...					1.649		1.649	E4	0.00
41)		Aroclor 1254 (6)					5.159		5.159	E3	0.00
42)		Aroclor 1254 ...							0.000		-1.00

Response Factor Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200630.M
Title : PCB Data Analysis
Last Update : Tue Jun 30 13:17:12 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD2R004.D 2 =ECD2R005.D 3 =ECD2R006.D
4 =ECD2R007.D 5 =ECD2R019.D 6 =ECD2R009.D

	Compound	1	2	3	4	5	6	Avg	%RSD	
43)	Aroclor 1260 ...	1.974	1.726	1.702	1.722	1.624	1.594	1.706 E4	7.69	
44)	Aroclor 1260 ...	2.397	2.136	2.103	2.026	2.006	1.984	2.095 E4	6.89	
45)	Aroclor 1260 (3)	2.376	2.131	2.189	1.983	1.986	2.006	2.103 E4	6.82	✓
46)	Aroclor 1260 (4)	3.456	3.143	3.237	3.324	3.207	3.288	3.307 E4	3.88	✓
47)	Aroclor 1260 (5)	2.127	1.898	1.892	1.863	1.768	1.813	1.900 E4	6.07	
48)	Aroclor 1260 (6)	9.331	8.218	7.746	7.596	7.235	7.194	7.776 E3	10.13	
49)	Aroclor 1260 ...							0.000	-1.00	
50)	Aroclor 1262 (1)					1.510		1.510 E4	0.00	
51)	Aroclor 1262 (2)					2.139		2.139 E4	0.00	
52)	Aroclor 1262 (3)					1.677		1.677 E4	0.00	
53)	Aroclor 1262 (4)					3.645		3.645 E4	0.00	
54)	Aroclor 1262 (5)					2.112		2.112 E4	0.00	
55)	Aroclor 1262 (6)					9.930		9.930 E3	0.00	
56)	Aroclor 1262 ...							0.000	-1.00	
57)	Aroclor 1268 (1)					9.354		9.354 E3	0.00	
58)	Aroclor 1268 (2)					3.926		3.926 E4	0.00	
59)	Aroclor 1268 (3)					3.234		3.234 E4	0.00	
60)	Aroclor 1268 (4)					2.692		2.692 E4	0.00	
61)	Aroclor 1268 (5)					1.085		1.085 E4	0.00	
62)	Aroclor 1268 (6)					7.197		7.197 E4	0.00	
63)	Aroclor 1268 ...							0.000	-1.00	
64) S	DCBP (S)	1.492	1.359	1.416	1.410	1.360	1.512	1.447 E5	5.81	✓

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

Compound List Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_200630.M
Title : PCB Data Analysis
Last Update : Tue Jun 30 13:17:12 2020
Response Via : Initial Calibration

KAK 6/30/2020

Total Cpnds : 64

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.682	1.000	A	H	R
2		Aroclor 1016 (1)	6.352	1.000	A	H	R
3		Aroclor 1016 (2)	6.840	1.000	A	H	R
4		Aroclor 1016 (3)	6.966	1.000	A	H	R
5		Aroclor 1016 (4)	7.054	1.000	A	H	R
6		Aroclor 1016 (5)	7.099	1.000	A	H	R
7		Aroclor 1016 (6)	7.224	1.000	A	H	R
8		Aroclor 1016 - AVE	1.846	1.000	A	H	R
9		Aroclor 1221 (1)	5.858	1.000	A	H	R
10		Aroclor 1221 (2)	5.930	1.000	A	H	R
11		Aroclor 1221 (3)	6.017	1.000	A	H	R
12		Aroclor 1221 (4)	6.526	1.000	A	H	B
13		Aroclor 1221 (5)	6.841	1.000	A	H	B
14		Aroclor 1221 - AVE	1.846	1.000	A	H	R
15		Aroclor 1232 (1)	6.017	1.000	A	H	R
16		Aroclor 1232 (2)	6.353	1.000	A	H	R
17		Aroclor 1232 (3)	6.841	1.000	A	H	R
18		Aroclor 1232 (4)	7.056	1.000	A	H	R
19		Aroclor 1232 (5)	7.101	1.000	A	H	R
20		Aroclor 1232 (6)	7.226	1.000	A	H	R
21		Aroclor 1232 - AVE	1.846	1.000	A	H	R
22		Aroclor 1242 (1)	6.352	1.000	A	H	R
23		Aroclor 1242 (2)	6.841	1.000	A	H	R
24		Aroclor 1242 (3)	6.967	1.000	A	H	R
25		Aroclor 1242 (4)	7.055	1.000	A	H	R
26		Aroclor 1242 (5)	7.100	1.000	A	H	R
27		Aroclor 1242 (6)	7.225	1.000	A	H	R
28		Aroclor 1242 - AVE	1.846	1.000	A	H	R
29		Aroclor 1248 (1)	6.813	1.000	A	H	R
30		Aroclor 1248 (2)	7.055	1.000	A	H	R
31		Aroclor 1248 (3)	7.099	1.000	A	H	R
32		Aroclor 1248 (4)	7.224	1.000	A	H	R
33		Aroclor 1248 (5)	7.588	1.000	A	H	R
34		Aroclor 1248 (6)	7.746	1.000	A	H	R
35		Aroclor 1248 - AVE	1.846	1.000	A	H	R
36		Aroclor 1254 (1)	7.567	1.000	A	H	R
37		Aroclor 1254 (2)	7.749	1.000	A	H	R
38		Aroclor 1254 (3)	8.058	1.000	A	H	R
39		Aroclor 1254 (4)	8.297	1.000	A	H	R
40		Aroclor 1254 (5)	8.632	1.000	A	H	R
41		Aroclor 1254 (6)	8.862	1.000	A	H	R
42		Aroclor 1254 - AVE	1.846	1.000	A	H	R
43		Aroclor 1260 (1)	8.195	1.000	A	H	R
44		Aroclor 1260 (2)	8.400	1.000	A	H	R
45		Aroclor 1260 (3)	8.632	1.000	A	H	R
46		Aroclor 1260 (4)	9.121	1.000	A	H	R
47		Aroclor 1260 (5)	9.383	1.000	A	H	R
48		Aroclor 1260 (6)	9.957	1.000	A	H	R
49		Aroclor 1260 - AVE	1.846	1.000	A	H	R
50		Aroclor 1262 (1)	8.401	1.000	A	H	R
51		Aroclor 1262 (2)	8.702	1.000	A	H	R
52		Aroclor 1262 (3)	8.880	1.000	A	H	R
53		Aroclor 1262 (4)	9.120	1.000	A	H	R
54		Aroclor 1262 (5)	9.384	1.000	A	H	R
55		Aroclor 1262 (6)	9.957	1.000	A	H	R
56		Aroclor 1262 - AVE	1.846	1.000	A	H	R

57		Aroclor 1268 (1)	8.922	1.000	A	H	R
58		Aroclor 1268 (2)	9.386	1.000	A	H	R
59		Aroclor 1268 (3)	9.452	1.000	A	H	R
60		Aroclor 1268 (4)	9.670	1.000	A	H	R
61		Aroclor 1268 (5)	9.959	1.000	A	H	R
62		Aroclor 1268 (6)	10.318	1.000	A	H	R
63		Aroclor 1268 - AVE	1.845	1.000	A	H	R
64	S	DCBP (S)	10.636	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

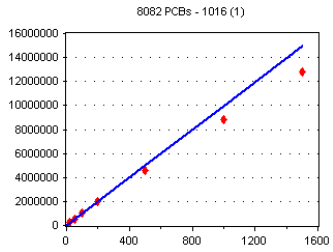
RECD2_QUANTPCB_200630.M Tue Jun 30 14:56:35 2020

Element Calibration Review Sheet

Calibration ID: **A0F3005** Instrument: **DUALECD2R** Calibration Date: **06/30/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_20063**

1016 (1)

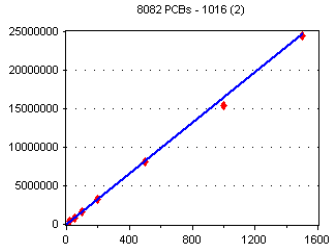


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	248754	12437.700	6.35
0F30023-CAL2	50	529061	10581.220	6.35
0F30023-CAL3	100	1045744	10457.440	6.35
0F30023-CAL4	200	1947355	9736.775	6.35
0F30023-CAL5	500	4609399	9218.798	6.35
0F30023-CAL6	1000	8820323	8820.323	6.35
0F30023-CAL7	1500	281871E+07	8545.807	6.35

AVE RF **9971.152** RF RSD **13.37** AVE RT **6.35**

1016 (2)

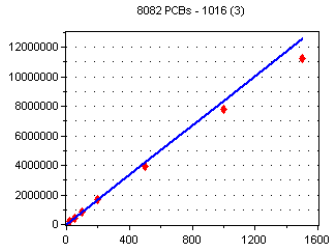


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	369378	18468.900	6.84
0F30023-CAL2	50	825982	16519.640	6.84
0F30023-CAL3	100	1618179	16181.790	6.84
0F30023-CAL4	200	3261039	16305.200	6.84
0F30023-CAL5	500	8075397	16150.790	6.84
0F30023-CAL6	1000	542003E+07	15420.030	6.84
0F30023-CAL7	1500	442983E+07	16286.550	6.84

AVE RF **16476.130** RF RSD **5.73** AVE RT **6.84**

1016 (3)

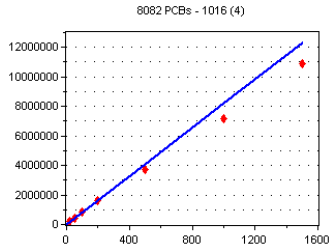


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	198943	9947.150	6.97
0F30023-CAL2	50	429832	8596.640	6.97
0F30023-CAL3	100	862273	8622.730	6.97
0F30023-CAL4	200	1672895	8364.475	6.97
0F30023-CAL5	500	3900198	7800.396	6.97
0F30023-CAL6	1000	7803498	7803.498	6.97
0F30023-CAL7	1500	126439E+07	7509.593	6.97

AVE RF **8377.783** RF RSD **9.73** AVE RT **6.97**

1016 (4)



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	204715	10235.750	7.06
0F30023-CAL2	50	441651	8833.020	7.06
0F30023-CAL3	100	840627	8406.270	7.06
0F30023-CAL4	200	1584065	7920.325	7.05
0F30023-CAL5	500	3739212	7478.424	7.05
0F30023-CAL6	1000	7200765	7200.765	7.06
0F30023-CAL7	1500	087312E+07	7248.747	7.06

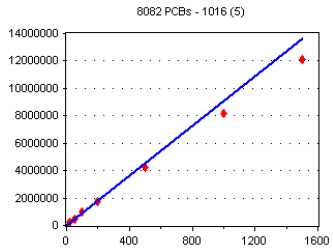
AVE RF **8189.043** RF RSD **13.27** AVE RT **7.05**

Element Calibration Review Sheet

Calibration ID: **A0F3005** Instrument: **DUALECD2R** Calibration Date: **06/30/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_20063**

1016 (5)

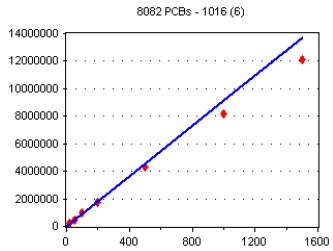


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	223261	11163.050	7.10
0F30023-CAL2	50	464648	9292.960	7.10
0F30023-CAL3	100	954493	9544.930	7.10
0F30023-CAL4	200	1776585	8882.925	7.10
0F30023-CAL5	500	4262727	8525.454	7.10
0F30023-CAL6	1000	8188366	8188.366	7.10
0F30023-CAL7	1500	..20789E+07	8052.600	7.10

AVE RF **9092.898** RF RSD **11.70** AVE RT **7.10**

1016 (6)

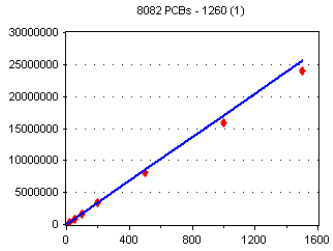


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	220776	11038.800	7.23
0F30023-CAL2	50	474156	9483.120	7.23
0F30023-CAL3	100	977976	9779.760	7.23
0F30023-CAL4	200	1771164	8855.820	7.22
0F30023-CAL5	500	4290019	8580.038	7.22
0F30023-CAL6	1000	8161976	8161.976	7.23
0F30023-CAL7	1500	213014E+07	8086.760	7.23

AVE RF **9140.896** RF RSD **11.47** AVE RT **7.22**

1260 (1)

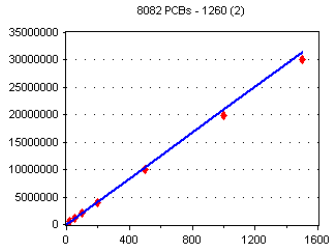


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	394807	19740.350	8.20
0F30023-CAL2	50	863123	17262.460	8.20
0F30023-CAL3	100	1701990	17019.900	8.20
0F30023-CAL4	200	3444500	17222.500	8.20
0F30023-CAL5	500	8120500	16241.000	8.20
0F30023-CAL6	1000	..59445E+07	15944.500	8.20
0F30023-CAL7	1500	396906E+07	15979.370	8.20

AVE RF **17058.580** RF RSD **7.69** AVE RT **8.20**

1260 (2)



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	479359	23967.950	8.40
0F30023-CAL2	50	1068211	21364.220	8.40
0F30023-CAL3	100	2103340	21033.400	8.40
0F30023-CAL4	200	4052812	20264.060	8.40
0F30023-CAL5	500	003207E+07	20064.140	8.40
0F30023-CAL6	1000	983712E+07	19837.120	8.40
0F30023-CAL7	1500	016623E+07	20110.820	8.40

AVE RF **20948.820** RF RSD **6.89** AVE RT **8.40**

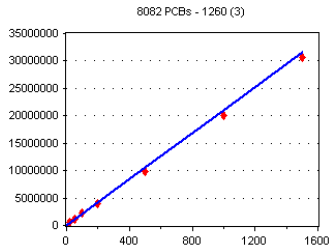
Element Calibration Review Sheet

Calibration ID: **A0F3005** Instrument: **DUALECD2R** Calibration Date: **06/30/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_20063**

1260 (3)

Curve Fit: **AVERAGE RF**

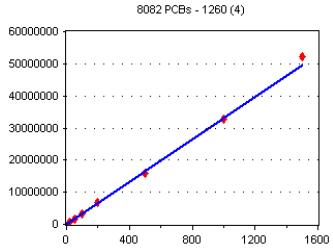


Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	475198	23759.900	8.63
0F30023-CAL2	50	1065658	21313.160	8.63
0F30023-CAL3	100	2188574	21885.740	8.63
0F30023-CAL4	200	3966010	19830.050	8.63
0F30023-CAL5	500	9929357	19858.710	8.63
0F30023-CAL6	1000	005567E+07	20055.670	8.63
0F30023-CAL7	1500	072214E+07	20481.430	8.63

AVE RF **21026.380** RF RSD **6.82** AVE RT **8.63**

1260 (4)

Curve Fit: **AVERAGE RF**

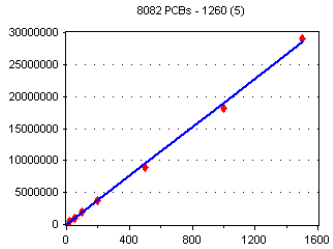


Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	691246	34562.300	9.12
0F30023-CAL2	50	1571355	31427.100	9.12
0F30023-CAL3	100	3236810	32368.100	9.12
0F30023-CAL4	200	6648826	33244.130	9.12
0F30023-CAL5	500	603524E+07	32070.480	9.12
0F30023-CAL6	1000	287551E+07	32875.510	9.12
0F30023-CAL7	1500	236253E+07	34908.350	9.12

AVE RF **33065.140** RF RSD **3.88** AVE RT **9.12**

1260 (5)

Curve Fit: **AVERAGE RF**

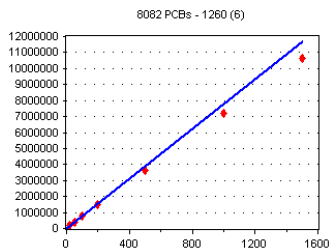


Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	425424	21271.200	9.39
0F30023-CAL2	50	949138	18982.760	9.38
0F30023-CAL3	100	1892030	18920.300	9.38
0F30023-CAL4	200	3725025	18625.130	9.38
0F30023-CAL5	500	8838819	17677.640	9.38
0F30023-CAL6	1000	..81293E+07	18129.300	9.39
0F30023-CAL7	1500	910465E+07	19403.100	9.38

AVE RF **19001.350** RF RSD **6.07** AVE RT **9.38**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	20	186626	9331.300	9.96
0F30023-CAL2	50	410886	8217.720	9.96
0F30023-CAL3	100	774632	7746.320	9.96
0F30023-CAL4	200	1519132	7595.660	9.96
0F30023-CAL5	500	3617568	7235.136	9.96
0F30023-CAL6	1000	7193707	7193.707	9.96
0F30023-CAL7	1500	..06664E+07	7110.933	9.96

AVE RF **7775.825** RF RSD **10.13** AVE RT **9.96**

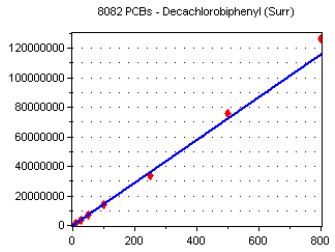
Element Calibration Review Sheet

Calibration ID: **A0F3005** Instrument: **DUALECD2R** Calibration Date: **06/30/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_20063**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F30023-CAL1	10	1492442	149244.200	10.64
0F30023-CAL2	25	3396930	135877.200	10.64
0F30023-CAL3	50	7077854	141557.100	10.64
0F30023-CAL4	100	409919E+07	140991.900	10.64
0F30023-CAL5	250	.39931E+07	135972.400	10.64
0F30023-CAL6	500	561828E+07	151236.600	10.64
0F30023-CAL7	800	265914E+08	158239.300	10.64

AVE RF **144731.200** RF RSD **5.81** AVE RT **10.64**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F30023

Analysis Included

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

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0F30023-ICB1	Initial Cal Blank	Water	A20F379		6/30/2020 7:03:00AM
0F30023-CAL1	Cal Standard	Water	A20F180	"	6/30/2020 7:21:00AM
0F30023-CAL2	Cal Standard	Water	A20F181	"	6/30/2020 7:38:00AM
0F30023-CAL3	Cal Standard	Water	A20F183	"	6/30/2020 7:56:00AM
0F30023-CAL4	Cal Standard	Water	A20F184	"	6/30/2020 8:13:00AM
0F30023-CAL5	Cal Standard	Water	A20F177	"	6/30/2020 8:31:00AM
0F30023-CAL6	Cal Standard	Water	A20F178	"	6/30/2020 8:49:00AM
0F30023-CAL7	Cal Standard	Water	A20F179	"	6/30/2020 9:06:00AM
0F30023-ICV1	Initial Cal Check	Water	A20B355	"	6/30/2020 9:42:00AM
0F30023-CAL8	Cal Standard	Water	A20C117	"	6/30/2020 9:59:00AM
0F30023-CAL9	Cal Standard	Water	A20B322	"	6/30/2020 10:17:00AM
0F30023-CALA	Cal Standard	Water	A20B323	"	6/30/2020 10:34:00AM
0F30023-CALB	Cal Standard	Water	A20B324	"	6/30/2020 10:52:00AM
0F30023-CALC	Cal Standard	Water	A20B325	"	6/30/2020 11:10:00AM
0F30023-CALD	Cal Standard	Water	A20B326	"	6/30/2020 11:27:00AM
0F30023-CALE	Cal Standard	Water	A20B327	"	6/30/2020 11:45:00AM
0F30023-ICV2	Initial Cal Check	Water	A20B353	"	6/30/2020 12:03:00PM
0F30023-ICV3	Initial Cal Check	Water	A20D351	"	6/30/2020 12:20:00PM
0F30023-ICV4	Initial Cal Check	Water	A20B354	"	6/30/2020 12:38:00PM
0F30023-ICV5	Initial Cal Check	Water	A20B130	"	6/30/2020 12:55:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0F3005** Instrument: **DUALECD2R**

1311/8082 TCLP PCBs Sequence: **0F30023** Matrix: **Water**

0F30023-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	
0F30023-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F30023

0F30023-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	
0F30023-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	
0F30023-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	
0F30023-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	
0F30023-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	
0F30023-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1221	0.0000	0.00	500	0	
0F30023-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1232	0.0000	0.00	500	0	
0F30023-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1242	0.0000	0.00	500	0	
0F30023-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1248	0.0000	0.00	500	0	
0F30023-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1254	0.0000	0.00	500	0	
0F30023-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1262	0.0000	0.00	500	0	
0F30023-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1268	0.0000	0.00	500	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F30023

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: **A0F3005** Instrument: **DUALECD2R**

8082 PCBs - Low Level (2mL Sequence: **0F30023** Matrix: **Water**

0F30023-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	
1260 (6)		500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	
1260 (6)	20	500	**347.40**	69	

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\0F30023\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:03
Operator : MJB / KAK
Sample : 0F30023-ICB1
Misc :
ALS Vial : 52 Sample Multiplier: 1

KAK 6/30/2020

Clean

Integration File: events.e
Quant Time: Jun 30 13:36:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	29764702	105.816 ng/ml
64) S	DCBP (S)	10.638	14123838	97.587 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.348	3353	0.336 ng/ml
3)	Aroclor 1016 (2)	6.863	4022	0.244 ng/ml
4)	Aroclor 1016 (3)	6.970	3880	0.463 ng/ml
5)	Aroclor 1016 (4)	7.053	3028	0.370 ng/ml
6)	Aroclor 1016 (5)	7.094	3484	0.383 ng/ml
7)	Aroclor 1016 (6)	7.225	2499	0.273 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.863	5389	2.245 ng/ml
10)	Aroclor 1221 (2)	5.931	3490	1.507 ng/ml
11)	Aroclor 1221 (3)	5.988	589211	77.585 ng/ml
12)	Aroclor 1221 (4)	6.527	5314	3.430 ng/ml
13)	Aroclor 1221 (5)	6.863	4022	3.458 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.988	589211	96.792 ng/ml
16)	Aroclor 1232 (2)	6.358	3331	0.854 ng/ml
17)	Aroclor 1232 (3)	6.863	4022	0.637 ng/ml
18)	Aroclor 1232 (4)	7.053	3028	1.172 ng/ml
19)	Aroclor 1232 (5)	7.094	3484	1.129 ng/ml
20)	Aroclor 1232 (6)	7.225	2499	0.801 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	6.348	3353	0.479 ng/ml
23)	Aroclor 1242 (2)	6.863	4022	0.333 ng/ml
24)	Aroclor 1242 (3)	6.970	3880	0.660 ng/ml
25)	Aroclor 1242 (4)	7.053	3028	0.571 ng/ml
26)	Aroclor 1242 (5)	7.094	3484	0.547 ng/ml

Data Path : K:\DATA\0F30023\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:03
Operator : MJB / KAK
Sample : 0F30023-ICB1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:36:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.225	2499	0.399 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.814	4447	0.562 ng/ml
30)	Aroclor 1248 (2)	7.053	3028	0.308 ng/ml
31)	Aroclor 1248 (3)	7.094	3484	0.376 ng/ml
32)	Aroclor 1248 (4)	7.225	2499	0.226 ng/ml
33)	Aroclor 1248 (5)	7.591	9491	0.695 ng/ml
34)	Aroclor 1248 (6)	7.753	9404	0.840 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.574	8652	0.657 ng/ml
37)	Aroclor 1254 (2)	7.753	9404	0.462 ng/ml
38)	Aroclor 1254 (3)	8.058	3716	0.167 ng/ml
39)	Aroclor 1254 (4)	8.308	7722	0.461 ng/ml
40)	Aroclor 1254 (5)	8.632	5458	0.331 ng/ml
41)	Aroclor 1254 (6)	8.863	6119	1.186 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.191	4220	0.247 ng/ml
44)	Aroclor 1260 (2)	8.401	4600	0.220 ng/ml
45)	Aroclor 1260 (3)	8.632	5458	0.260 ng/ml
46)	Aroclor 1260 (4)	9.124	4243	0.128 ng/ml
47)	Aroclor 1260 (5)	9.386	4628	0.244 ng/ml
48)	Aroclor 1260 (6)	9.961	12006	1.544 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.401	4600	0.305 ng/ml
51)	Aroclor 1262 (2)	8.704	5603	0.262 ng/ml
52)	Aroclor 1262 (3)	8.888	26152	1.559 ng/ml
53)	Aroclor 1262 (4)	9.124	4243	0.116 ng/ml
54)	Aroclor 1262 (5)	9.386	4628	0.219 ng/ml
55)	Aroclor 1262 (6)	9.961	12006	1.209 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.950	6156	0.658 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:03
Operator : MJB / KAK
Sample : 0F30023-ICB1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:36:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.386	4628	0.118	ng/ml
59)	Aroclor 1268 (3)	9.448	4853	0.150	ng/ml
60)	Aroclor 1268 (4)	9.671	53566	1.990	ng/ml
61)	Aroclor 1268 (5)	9.961	12006	1.107	ng/ml
62)	Aroclor 1268 (6)	10.318	75170	1.044	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

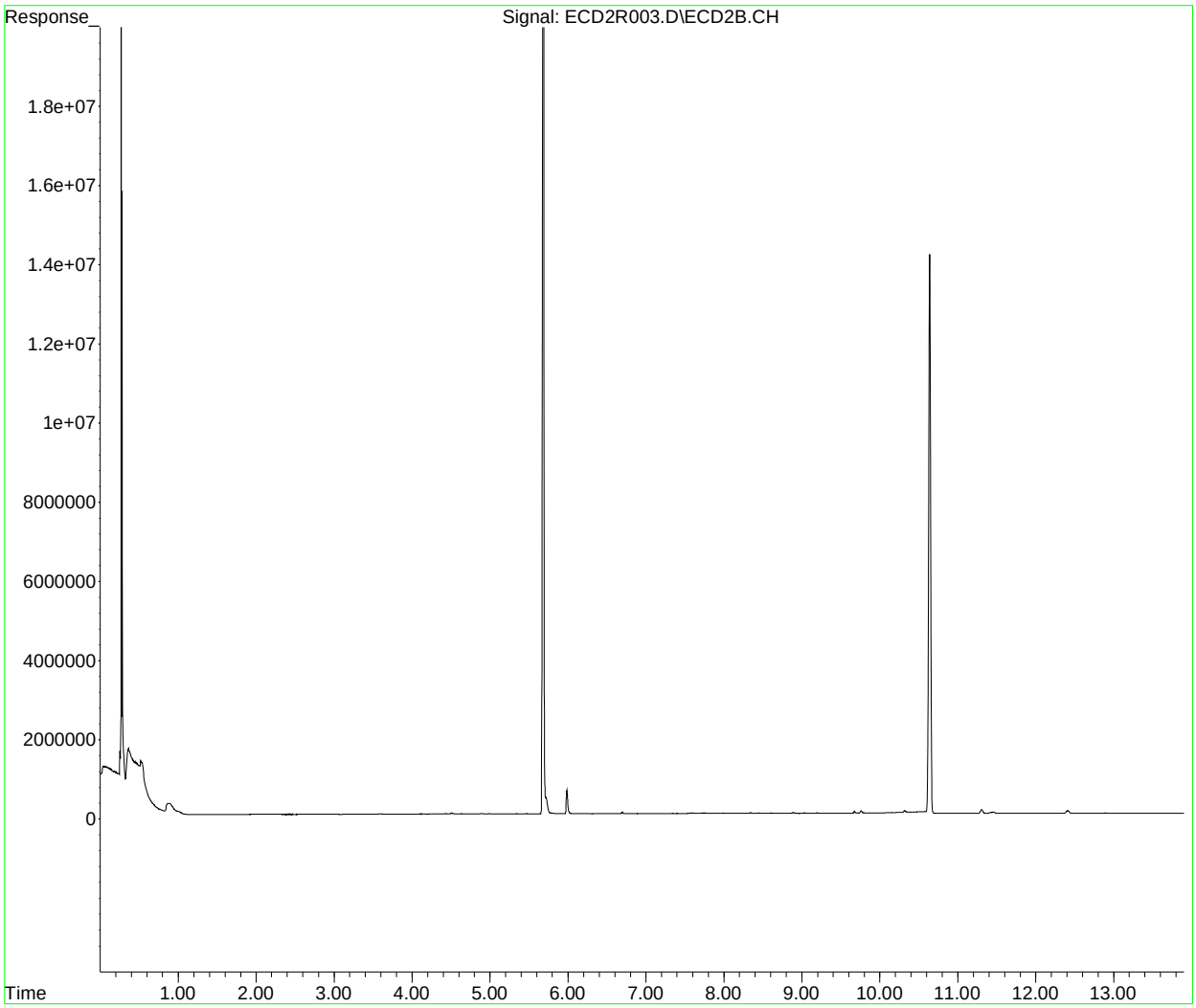
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:03
Operator : MJB / KAK
Sample : 0F30023-ICB1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:36:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:24
Operator : MJB / KAK
Sample : 0F30023-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

KAK 6/30/2020

Clean, No Carryover

Integration File: events.e
Quant Time: Jun 30 13:36:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	13643	0.049 ng/ml
64) S	DCBP (S)	10.636	8561	0.059 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.352	10334	1.036 ng/ml
3)	Aroclor 1016 (2)	6.855	9105	0.553 ng/ml
4)	Aroclor 1016 (3)	6.977	9643	1.151 ng/ml
5)	Aroclor 1016 (4)	7.060	9010	1.100 ng/ml
6)	Aroclor 1016 (5)	7.104	9079	0.998 ng/ml
7)	Aroclor 1016 (6)	7.231	8563	0.937 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.860	8819	3.674 ng/ml
10)	Aroclor 1221 (2)	5.928	8311	3.588 ng/ml
11)	Aroclor 1221 (3)	6.015	10195	1.342 ng/ml
12)	Aroclor 1221 (4)	6.529	9355	6.038 ng/ml
13)	Aroclor 1221 (5)	6.855	9105	7.829 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	6.015	10195	1.675 ng/ml
16)	Aroclor 1232 (2)	6.352	10334	2.651 ng/ml
17)	Aroclor 1232 (3)	6.855	9105	1.443 ng/ml
18)	Aroclor 1232 (4)	7.060	9010	3.486 ng/ml
19)	Aroclor 1232 (5)	7.104	9079	2.943 ng/ml
20)	Aroclor 1232 (6)	7.231	8563	2.745 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	6.352	10334	1.477 ng/ml
23)	Aroclor 1242 (2)	6.855	9105	0.754 ng/ml
24)	Aroclor 1242 (3)	6.977	9643	1.640 ng/ml
25)	Aroclor 1242 (4)	7.060	9010	1.700 ng/ml
26)	Aroclor 1242 (5)	7.104	9079	1.426 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:24
Operator : MJB / KAK
Sample : 0F30023-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:36:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.231	8563	1.366	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.817	10689	1.350	ng/ml
30)	Aroclor 1248 (2)	7.060	9010	0.917	ng/ml
31)	Aroclor 1248 (3)	7.104	9079	0.980	ng/ml
32)	Aroclor 1248 (4)	7.231	8563	0.775	ng/ml
33)	Aroclor 1248 (5)	7.587	7042	0.516	ng/ml
34)	Aroclor 1248 (6)	7.772	10907	0.974	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.575	6734	0.511	ng/ml
37)	Aroclor 1254 (2)	7.772	10907	0.536	ng/ml
38)	Aroclor 1254 (3)	8.061	7296	0.328	ng/ml
39)	Aroclor 1254 (4)	8.289	6718	0.401	ng/ml
40)	Aroclor 1254 (5)	8.634	10481	0.635	ng/ml
41)	Aroclor 1254 (6)	8.861	6239	1.209	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.196	9764	0.572	ng/ml
44)	Aroclor 1260 (2)	8.402	10233	0.488	ng/ml
45)	Aroclor 1260 (3)	8.634	10481	0.498	ng/ml
46)	Aroclor 1260 (4)	9.120	10187	0.308	ng/ml
47)	Aroclor 1260 (5)	9.383	7219	0.380	ng/ml
48)	Aroclor 1260 (6)	9.959	5278	0.679	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.402	10233	0.678	ng/ml
51)	Aroclor 1262 (2)	8.701	8614	0.403	ng/ml
52)	Aroclor 1262 (3)	8.890	14270	0.851	ng/ml
53)	Aroclor 1262 (4)	9.120	10187	0.279	ng/ml
54)	Aroclor 1262 (5)	9.383	7219	0.342	ng/ml
55)	Aroclor 1262 (6)	9.959	5278	0.532	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.927	7737	0.827	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:24
Operator : MJB / KAK
Sample : 0F30023-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:36:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.387	7172	0.183 ng/ml
59)	Aroclor 1268 (3)	9.451	5072	0.157 ng/ml
60)	Aroclor 1268 (4)	9.672	4220	0.157 ng/ml
61)	Aroclor 1268 (5)	9.959	5278	0.487 ng/ml
62)	Aroclor 1268 (6)	10.318	3156	0.044 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

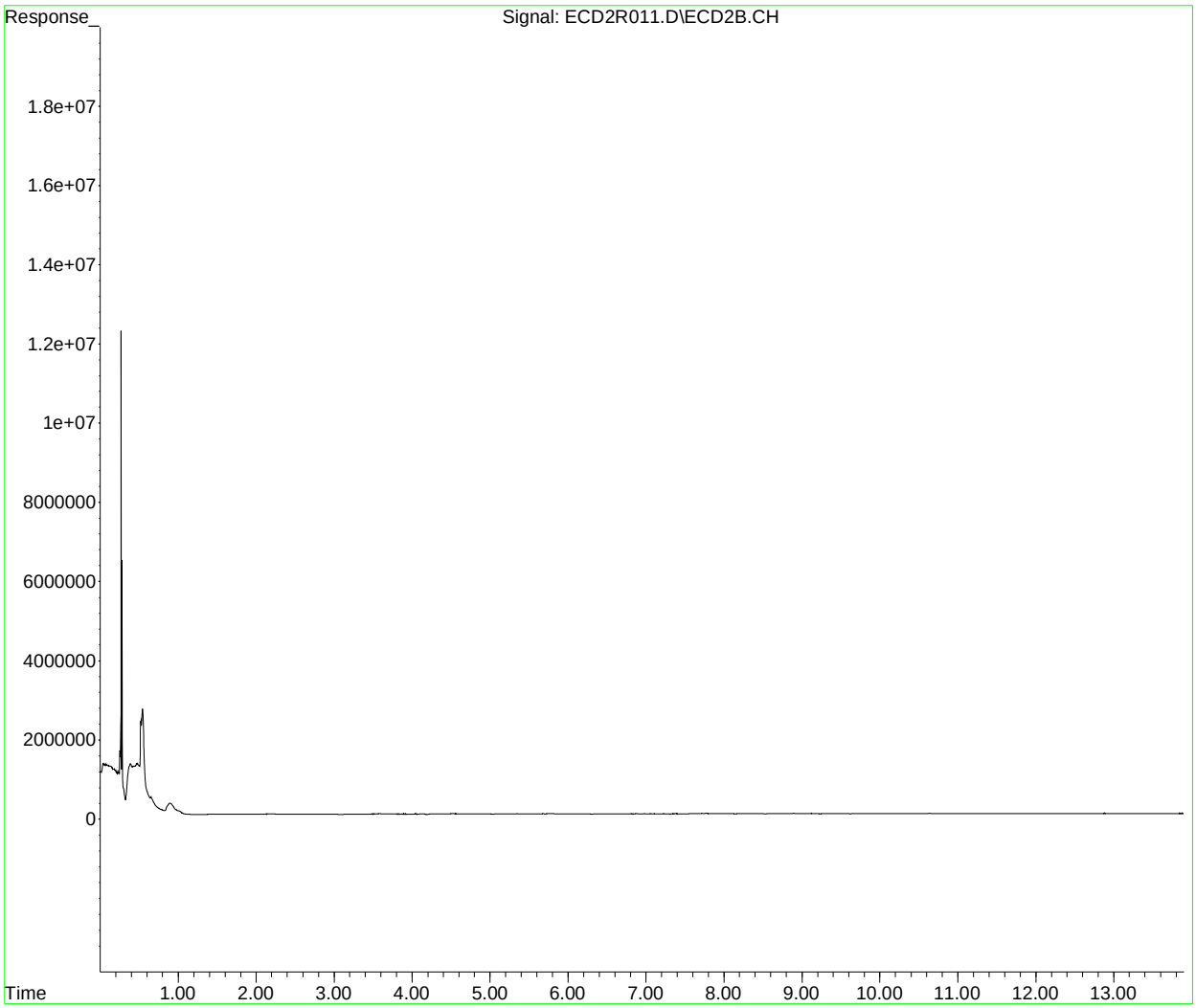
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:24
Operator : MJB / KAK
Sample : 0F30023-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:36:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:42
Operator : MJB / KAK
Sample : 0F30023-ICV1
Misc :
ALS Vial : 60 Sample Multiplier: 1

KAK 6/30/2020

1016, 1260

Integration File: events.e
Quant Time: Jun 30 13:37:04 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	64680531	229.946	ng/ml	
64) S	DCBP (S)	10.637	30469602	210.525	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.353	4415514	442.829	ng/ml	
3)	Aroclor 1016 (2)	6.841	7693851	466.970	ng/ml	
4)	Aroclor 1016 (3)	6.967	3734612	445.776	ng/ml	439.714
5)	Aroclor 1016 (4)	7.055	3388076	413.733	ng/ml	
6)	Aroclor 1016 (5)	7.100	3940310	433.339	ng/ml	
7)	Aroclor 1016 (6)	7.225	3982098	435.635	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.857	305176	127.132	ng/ml	
10)	Aroclor 1221 (2)	5.930	559398	241.532	ng/ml	
11)	Aroclor 1221 (3)	6.016	2600624	342.440	ng/ml	
12)	Aroclor 1221 (4)	6.526	2654593	1713.467	ng/ml	
13)	Aroclor 1221 (5)	6.841	7693851	6615.355	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.016	2600624	427.214	ng/ml	
16)	Aroclor 1232 (2)	6.353	4415514	1132.814	ng/ml	
17)	Aroclor 1232 (3)	6.841	7693851	1219.353	ng/ml	
18)	Aroclor 1232 (4)	7.055	3388076	1310.943	ng/ml	
19)	Aroclor 1232 (5)	7.100	3940310	1277.177	ng/ml	
20)	Aroclor 1232 (6)	7.225	3982098	1276.328	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.353	4415514	631.067	ng/ml	
23)	Aroclor 1242 (2)	6.841	7693851	637.023	ng/ml	
24)	Aroclor 1242 (3)	6.967	3734612	635.053	ng/ml	
25)	Aroclor 1242 (4)	7.055	3388076	639.203	ng/ml	
26)	Aroclor 1242 (5)	7.100	3940310	619.032	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:42
Operator : MJB / KAK
Sample : 0F30023-ICV1
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:04 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.225	3982098	635.318	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.814	6833685	863.221	ng/ml	
30)	Aroclor 1248 (2)	7.055	3388076	344.908	ng/ml	
31)	Aroclor 1248 (3)	7.100	3940310	425.395	ng/ml	
32)	Aroclor 1248 (4)	7.225	3982098	360.373	ng/ml	
33)	Aroclor 1248 (5)	7.588	793744	58.118	ng/ml	
34)	Aroclor 1248 (6)	7.749	3689065	329.476	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.568	3355852	254.679	ng/ml	
37)	Aroclor 1254 (2)	7.749	3689065	181.136	ng/ml	
38)	Aroclor 1254 (3)	8.059	1951597	87.827	ng/ml	
39)	Aroclor 1254 (4)	8.298	1222530	73.050	ng/ml	
40)	Aroclor 1254 (5)	8.633	11262705	682.871	ng/ml	
41)	Aroclor 1254 (6)	8.853	1385920	268.639	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.196	8273519	485.006	ng/ml	
44)	Aroclor 1260 (2)	8.401	10360497	494.562	ng/ml	
45)	Aroclor 1260 (3)	8.633	11262705	535.646	ng/ml	
46)	Aroclor 1260 (4)	9.121	13953238	421.992	ng/ml	451.656
47)	Aroclor 1260 (5)	9.383	8081878	425.332	ng/ml	
48)	Aroclor 1260 (6)	9.958	2701301	347.397	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.401	10360497	686.281	ng/ml	
51)	Aroclor 1262 (2)	8.703	6090813	284.710	ng/ml	
52)	Aroclor 1262 (3)	8.880	6388749	380.879	ng/ml	
53)	Aroclor 1262 (4)	9.121	13953238	382.802	ng/ml	
54)	Aroclor 1262 (5)	9.383	8081878	382.690	ng/ml	
55)	Aroclor 1262 (6)	9.958	2701301	272.041	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.922	450698	48.180	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:42
Operator : MJB / KAK
Sample : 0F30023-ICV1
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:04 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.383	8081878	205.870	ng/ml
59)	Aroclor 1268 (3)	9.449	2697004	83.403	ng/ml
60)	Aroclor 1268 (4)	9.670	273590	10.163	ng/ml
61)	Aroclor 1268 (5)	9.958	2701301	249.063	ng/ml
62)	Aroclor 1268 (6)	10.316	791173	10.993	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

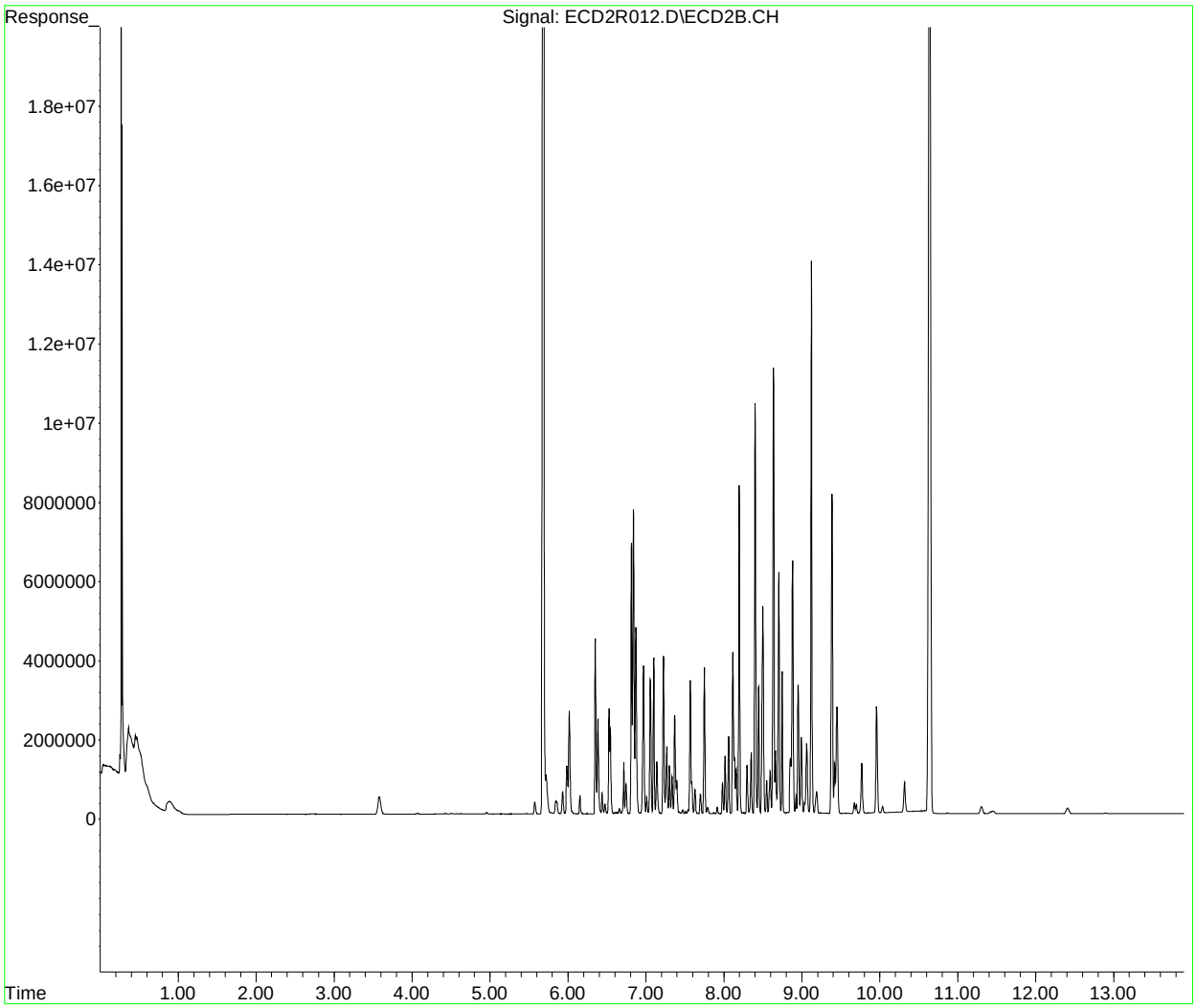
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:42
Operator : MJB / KAK
Sample : 0F30023-ICV1
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:04 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:03
Operator : MJB / KAK
Sample : 0F30023-ICV2
Misc :
ALS Vial : 68 Sample Multiplier: 1

KAK 6/30/2020

1221, 1254

Integration File: events.e
Quant Time: Jun 30 13:37:23 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.680	11647258	41.407	ng/ml	
64) S	DCBP (S)	10.636	12610771	87.132	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.351	808605	81.094	ng/ml	
3)	Aroclor 1016 (2)	6.839	1175354	71.337	ng/ml	
4)	Aroclor 1016 (3)	6.966	600281	71.651	ng/ml	
5)	Aroclor 1016 (4)	7.054	4273250	521.825	ng/ml	
6)	Aroclor 1016 (5)	7.099	1484210	163.227	ng/ml	
7)	Aroclor 1016 (6)	7.224	2644819	289.339	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.856	2248486	936.689	ng/ml	
10)	Aroclor 1221 (2)	5.928	2151405	928.917	ng/ml	
11)	Aroclor 1221 (3)	6.015	7278199	958.363	ng/ml	962.610
12)	Aroclor 1221 (4)	6.525	1515920	978.485	ng/ml	
13)	Aroclor 1221 (5)	6.839	1175354	1010.597	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.015	7278199	1195.617	ng/ml	
16)	Aroclor 1232 (2)	6.351	808605	207.450	ng/ml	
17)	Aroclor 1232 (3)	6.839	1175354	186.275	ng/ml	
18)	Aroclor 1232 (4)	7.054	4273250	1653.441	ng/ml	
19)	Aroclor 1232 (5)	7.099	1484210	481.078	ng/ml	
20)	Aroclor 1232 (6)	7.224	2644819	847.708	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.351	808605	115.566	ng/ml	
23)	Aroclor 1242 (2)	6.839	1175354	97.315	ng/ml	
24)	Aroclor 1242 (3)	6.966	600281	102.075	ng/ml	
25)	Aroclor 1242 (4)	7.054	4273250	806.203	ng/ml	
26)	Aroclor 1242 (5)	7.099	1484210	233.173	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:03
Operator : MJB / KAK
Sample : 0F30023-ICV2
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:23 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.224	2644819	421.964	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.812	1105048	139.588	ng/ml	
30)	Aroclor 1248 (2)	7.054	4273250	435.019	ng/ml	
31)	Aroclor 1248 (3)	7.099	1484210	160.235	ng/ml	
32)	Aroclor 1248 (4)	7.224	2644819	239.351	ng/ml	
33)	Aroclor 1248 (5)	7.589	4070341	298.031	ng/ml	
34)	Aroclor 1248 (6)	7.749	10444582	932.821	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.567	7088946	537.987	ng/ml	
37)	Aroclor 1254 (2)	7.749	10444582	512.837	ng/ml	
38)	Aroclor 1254 (3)	8.058	10978716	494.071	ng/ml	
39)	Aroclor 1254 (4)	8.296	8118771	485.122	ng/ml	507.287
40)	Aroclor 1254 (5)	8.631	8712542	528.251	ng/ml	
41)	Aroclor 1254 (6)	8.861	2504461	485.452	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.195	4072573	238.740	ng/ml	
44)	Aroclor 1260 (2)	8.400	4973973	237.434	ng/ml	
45)	Aroclor 1260 (3)	8.631	8712542	414.362	ng/ml	
46)	Aroclor 1260 (4)	9.120	1389716	42.030	ng/ml	
47)	Aroclor 1260 (5)	9.382	1103341	58.066	ng/ml	
48)	Aroclor 1260 (6)	9.958	97676	12.561	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.400	4973973	329.477	ng/ml	
51)	Aroclor 1262 (2)	8.702	499240	23.337	ng/ml	
52)	Aroclor 1262 (3)	8.861	2504461	149.309	ng/ml	
53)	Aroclor 1262 (4)	9.120	1389716	38.126	ng/ml	
54)	Aroclor 1262 (5)	9.382	1103341	52.245	ng/ml	
55)	Aroclor 1262 (6)	9.958	97676	9.837	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.923	64454	6.890	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:03
Operator : MJB / KAK
Sample : 0F30023-ICV2
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:23 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.382	1103341	28.105	ng/ml
59)	Aroclor 1268 (3)	9.449	98318	3.040	ng/ml
60)	Aroclor 1268 (4)	9.670	50175	1.864	ng/ml
61)	Aroclor 1268 (5)	9.958	97676	9.006	ng/ml
62)	Aroclor 1268 (6)	10.317	73137	1.016	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

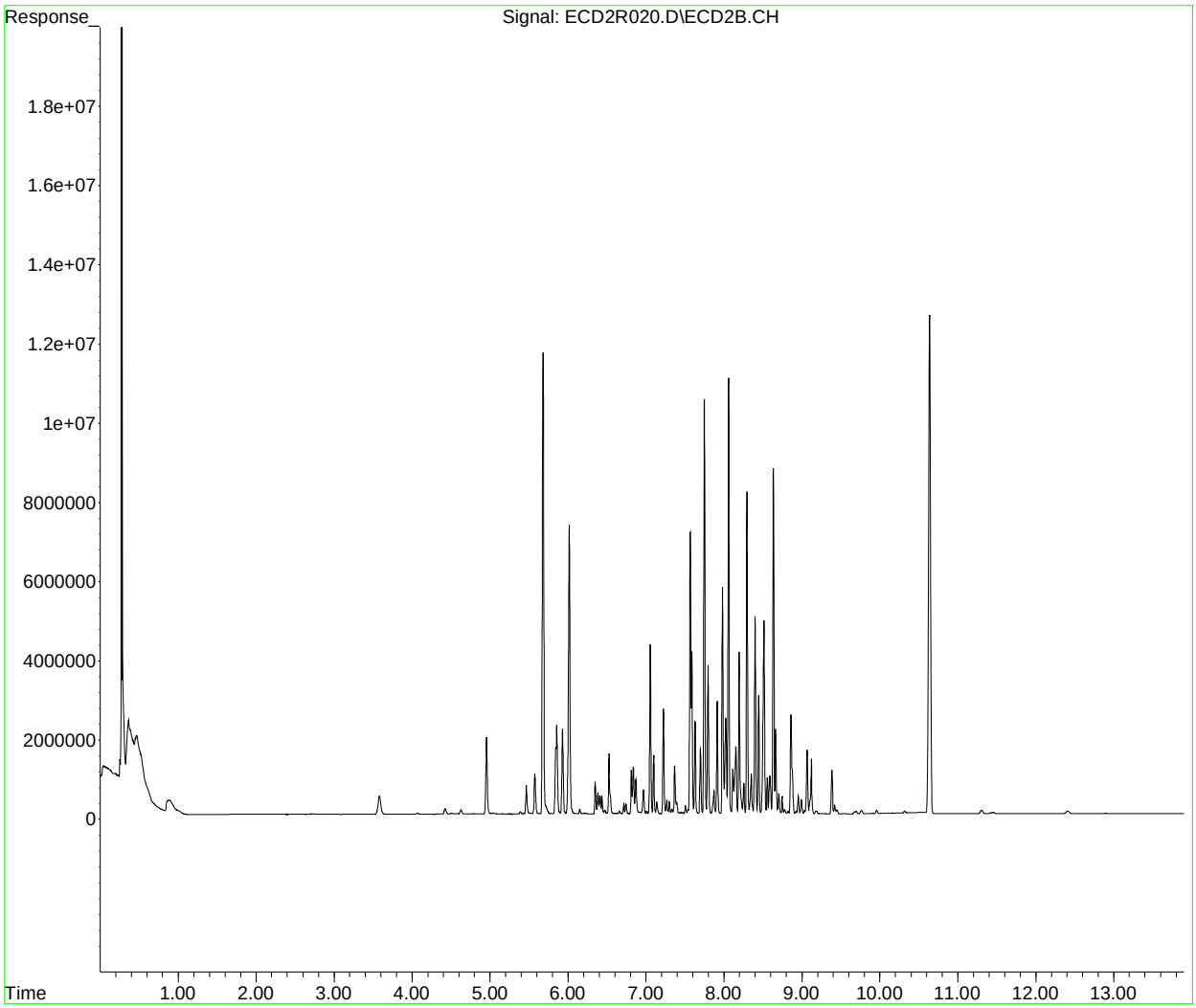
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:03
Operator : MJB / KAK
Sample : 0F30023-ICV2
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:23 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:20
Operator : MJB / KAK
Sample : 0F30023-ICV3
Misc :
ALS Vial : 69 Sample Multiplier: 1

KAK 6/30/2020

1232, 1262

Integration File: events.e
Quant Time: Jun 30 13:37:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.680	11514098	40.934	ng/ml
64) S	DCBP (S)	10.635	12870160	88.925	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.352	1957131	196.279	ng/ml
3)	Aroclor 1016 (2)	6.839	3178313	192.904	ng/ml
4)	Aroclor 1016 (3)	6.967	1627806	194.300	ng/ml
5)	Aroclor 1016 (4)	7.054	1384307	169.044	ng/ml
6)	Aroclor 1016 (5)	7.099	1525686	167.789	ng/ml
7)	Aroclor 1016 (6)	7.223	1593980	174.379	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.856	720876	300.307	ng/ml
10)	Aroclor 1221 (2)	5.929	790599	341.359	ng/ml
11)	Aroclor 1221 (3)	6.015	2866367	377.431	ng/ml
12)	Aroclor 1221 (4)	6.525	1429849	922.928	ng/ml
13)	Aroclor 1221 (5)	6.839	3178313	2732.789	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.015	2866367	470.869	ng/ml
16)	Aroclor 1232 (2)	6.352	1957131	502.108	ng/ml
17)	Aroclor 1232 (3)	6.839	3178313	503.712	ng/ml
18)	Aroclor 1232 (4)	7.054	1384307	535.627	ng/ml
19)	Aroclor 1232 (5)	7.099	1525686	494.522	ng/ml
20)	Aroclor 1232 (6)	7.223	1593980	510.897	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.352	1957131	279.714	ng/ml
23)	Aroclor 1242 (2)	6.839	3178313	263.153	ng/ml
24)	Aroclor 1242 (3)	6.967	1627806	276.801	ng/ml
25)	Aroclor 1242 (4)	7.054	1384307	261.167	ng/ml
26)	Aroclor 1242 (5)	7.099	1525686	239.689	ng/ml

502.956

Data Path : K:\DATA\0F30023\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:20
Operator : MJB / KAK
Sample : 0F30023-ICV3
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.223	1593980	254.309	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.813	2908611	367.411	ng/ml	
30)	Aroclor 1248 (2)	7.054	1384307	140.923	ng/ml	
31)	Aroclor 1248 (3)	7.099	1525686	164.713	ng/ml	
32)	Aroclor 1248 (4)	7.223	1593980	144.252	ng/ml	
33)	Aroclor 1248 (5)	7.588	1882049	137.804	ng/ml	
34)	Aroclor 1248 (6)	7.746	2374156	212.039	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.568	1989759	151.005	ng/ml	
37)	Aroclor 1254 (2)	7.746	2374156	116.573	ng/ml	
38)	Aroclor 1254 (3)	8.057	976325	43.937	ng/ml	
39)	Aroclor 1254 (4)	8.296	741368	44.299	ng/ml	
40)	Aroclor 1254 (5)	8.633	5790794	351.102	ng/ml	
41)	Aroclor 1254 (6)	8.849	1903989	369.059	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.194	6026826	353.302	ng/ml	
44)	Aroclor 1260 (2)	8.399	7419079	354.153	ng/ml	
45)	Aroclor 1260 (3)	8.633	5790794	275.406	ng/ml	
46)	Aroclor 1260 (4)	9.120	16988797	513.798	ng/ml	
47)	Aroclor 1260 (5)	9.383	9893793	520.689	ng/ml	
48)	Aroclor 1260 (6)	9.958	4668876	600.435	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.399	7419079	491.441	ng/ml	
51)	Aroclor 1262 (2)	8.702	9917888	463.604	ng/ml	
52)	Aroclor 1262 (3)	8.879	7774660	463.503	ng/ml	
53)	Aroclor 1262 (4)	9.120	16988797	466.082	ng/ml	470.551
54)	Aroclor 1262 (5)	9.383	9893793	468.488	ng/ml	
55)	Aroclor 1262 (6)	9.958	4668876	470.190	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.921	1091774	116.713	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:20
Operator : MJB / KAK
Sample : 0F30023-ICV3
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.383	9893793	252.025	ng/ml
59)	Aroclor 1268 (3)	9.449	5443011	168.322	ng/ml
60)	Aroclor 1268 (4)	9.669	421678	15.664	ng/ml
61)	Aroclor 1268 (5)	9.958	4668876	430.476	ng/ml
62)	Aroclor 1268 (6)	10.315	1481098	20.580	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

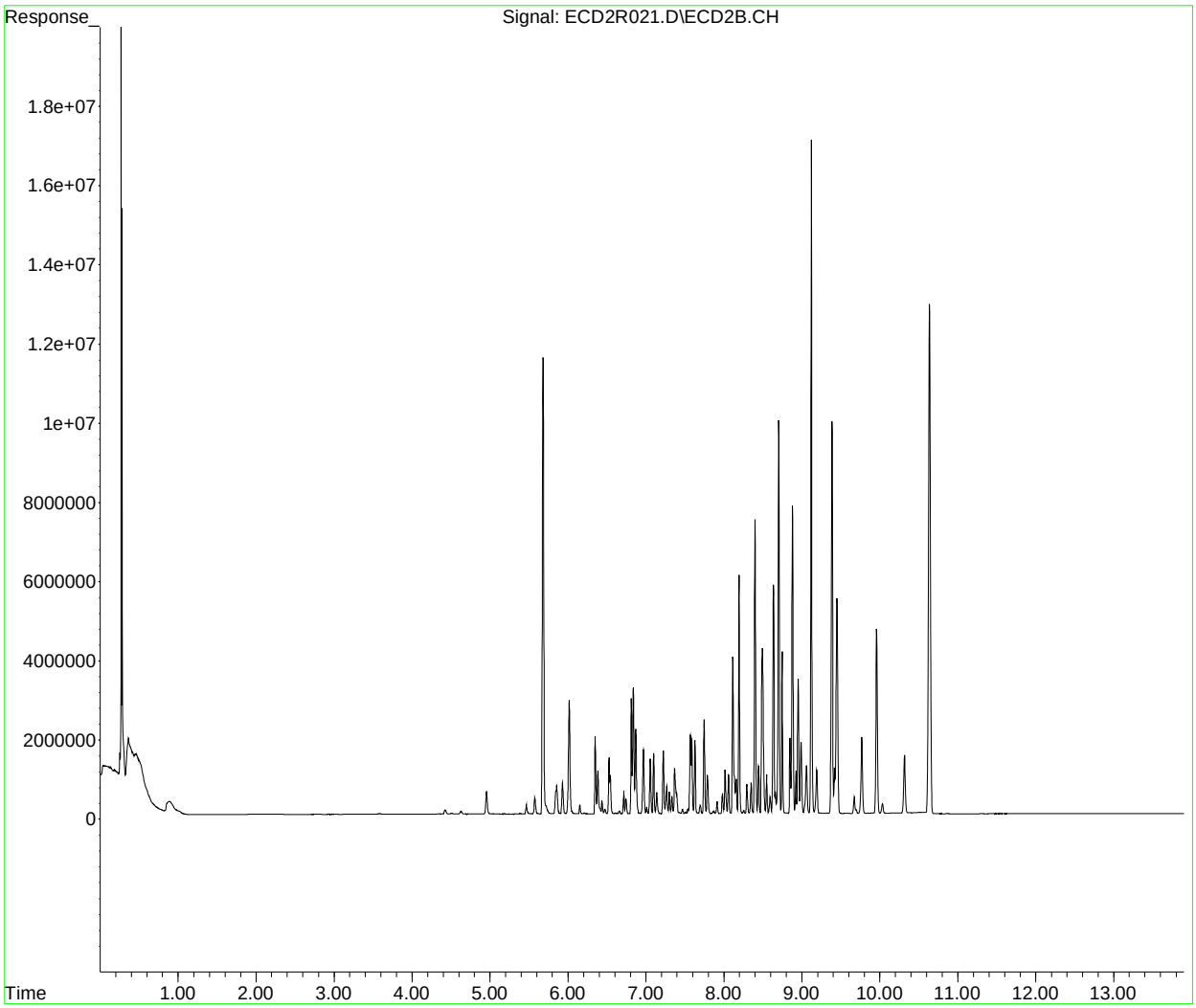
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:20
Operator : MJB / KAK
Sample : 0F30023-ICV3
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:37:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:38
Operator : MJB / KAK
Sample : 0F30023-ICV4
Misc :
ALS Vial : 70 Sample Multiplier: 1

KAK 6/30/2020

1242, 1268

Integration File: events.e
Quant Time: Jun 30 14:48:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.680	12101534	43.022	ng/ml
64) S	DCBP (S)	10.635	6131379	42.364	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.351	3559175	356.947	ng/ml
3)	Aroclor 1016 (2)	6.839	5893163	357.679	ng/ml
4)	Aroclor 1016 (3)	6.966	2997925	357.842	ng/ml
5)	Aroclor 1016 (4)	7.054	2634594	321.722	ng/ml
6)	Aroclor 1016 (5)	7.099	3058136	336.321	ng/ml
7)	Aroclor 1016 (6)	7.224	3165506	346.302	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.842	283456	118.084	ng/ml
10)	Aroclor 1221 (2)	5.928	498207	215.112	ng/ml
11)	Aroclor 1221 (3)	6.015	2235452	294.355	ng/ml
12)	Aroclor 1221 (4)	6.524	2135082	1378.137	ng/ml
13)	Aroclor 1221 (5)	6.839	5893163	5067.081	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.015	2235452	367.226	ng/ml
16)	Aroclor 1232 (2)	6.351	3559175	913.118	ng/ml
17)	Aroclor 1232 (3)	6.839	5893163	933.972	ng/ml
18)	Aroclor 1232 (4)	7.054	2634594	1019.399	ng/ml
19)	Aroclor 1232 (5)	7.099	3058136	991.237	ng/ml
20)	Aroclor 1232 (6)	7.224	3165506	1014.597	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.351	3559175	508.679	ng/ml
23)	Aroclor 1242 (2)	6.839	5893163	487.933	ng/ml
24)	Aroclor 1242 (3)	6.966	2997925	509.783	ng/ml
25)	Aroclor 1242 (4)	7.054	2634594	497.049	ng/ml
26)	Aroclor 1242 (5)	7.099	3058136	480.440	ng/ml

498.153

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:38
Operator : MJB / KAK
Sample : 0F30023-ICV4
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 14:48:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.224	3165506	505.036	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.812	5431482	686.096	ng/ml
30)	Aroclor 1248 (2)	7.054	2634594	268.203	ng/ml
31)	Aroclor 1248 (3)	7.099	3058136	330.155	ng/ml
32)	Aroclor 1248 (4)	7.224	3165506	286.473	ng/ml
33)	Aroclor 1248 (5)	7.588	3723197	272.613	ng/ml
34)	Aroclor 1248 (6)	7.745	2587330	231.078	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.571	2473527	187.718	ng/ml
37)	Aroclor 1254 (2)	7.745	2587330	127.040	ng/ml
38)	Aroclor 1254 (3)	8.057	1087871	48.957	ng/ml
39)	Aroclor 1254 (4)	8.295	758947	45.349	ng/ml
40)	Aroclor 1254 (5)	8.634	205832	12.480	ng/ml
41)	Aroclor 1254 (6)	8.850	197280	38.240	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.194	95939	5.624	ng/ml
44)	Aroclor 1260 (2)	8.397	161488	7.709	ng/ml
45)	Aroclor 1260 (3)	8.634	205832	9.789	ng/ml
46)	Aroclor 1260 (4)	9.119	2093046	63.301	ng/ml
47)	Aroclor 1260 (5)	9.385	19163978	1008.559	ng/ml
48)	Aroclor 1260 (6)	9.958	5455601	701.610	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.397	161488	10.697	ng/ml
51)	Aroclor 1262 (2)	8.701	3803831	177.807	ng/ml
52)	Aroclor 1262 (3)	8.879	293787	17.515	ng/ml
53)	Aroclor 1262 (4)	9.119	2093046	57.422	ng/ml
54)	Aroclor 1262 (5)	9.385	19163978	907.447	ng/ml
55)	Aroclor 1262 (6)	9.958	5455601	549.419	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.921	4559142	487.380	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:38
Operator : MJB / KAK
Sample : 0F30023-ICV4
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 14:48:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
58)	Aroclor 1268 (2)	9.385	19163978	488.166	ng/ml	
59)	Aroclor 1268 (3)	9.452	15635667	483.525	ng/ml	
60)	Aroclor 1268 (4)	9.670	13097503	486.530	ng/ml	489.873
61)	Aroclor 1268 (5)	9.958	5455601	503.013	ng/ml	
62)	Aroclor 1268 (6)	10.316	35309269	490.623	ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml	

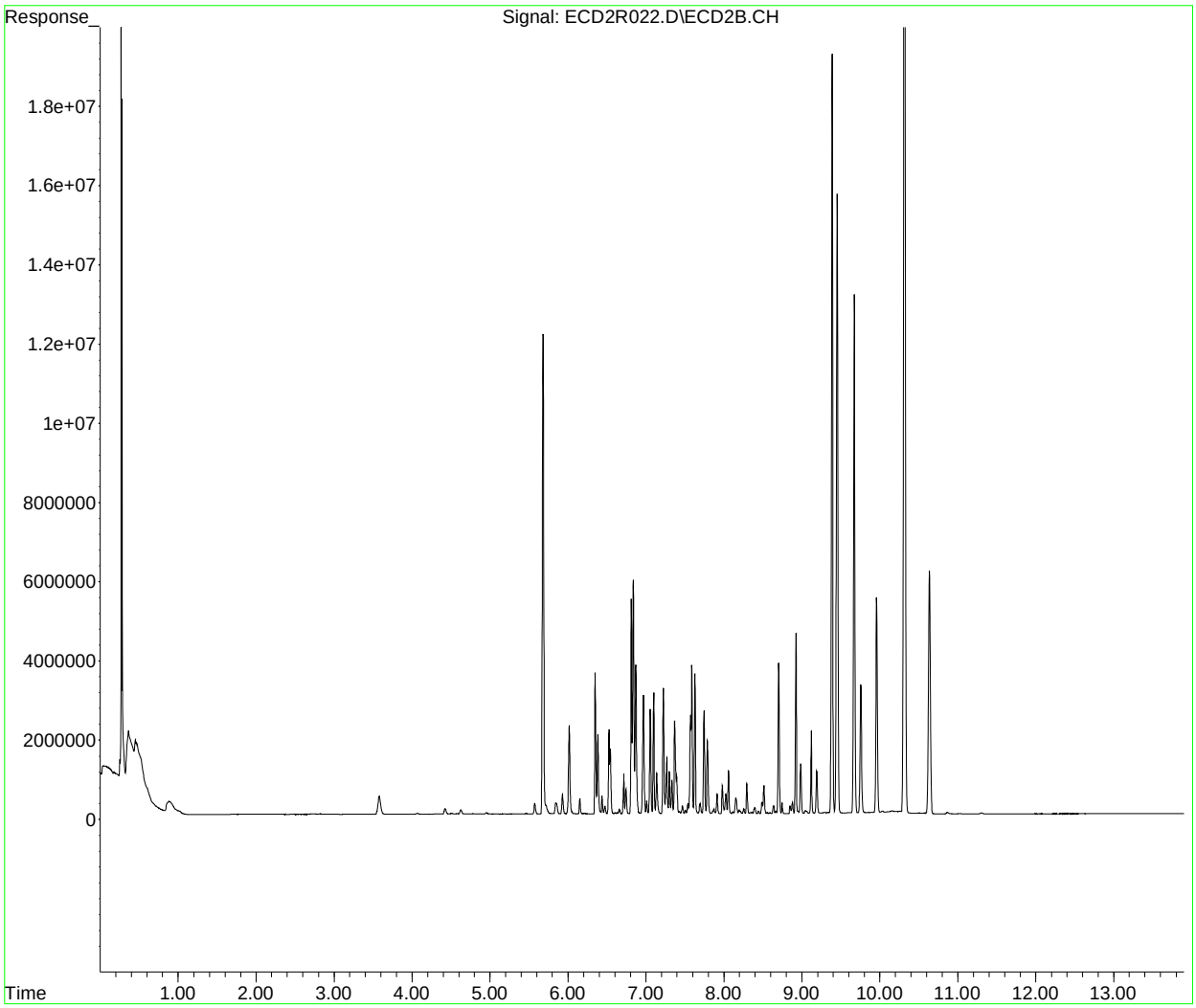
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:38
Operator : MJB / KAK
Sample : 0F30023-ICV4
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 14:48:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:55
Operator : MJB / KAK
Sample : 0F30023-ICV5
Misc :
ALS Vial : 71 Sample Multiplier: 1

KAK 6/30/2020

1248

Integration File: events.e
Quant Time: Jun 30 14:49:17 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.680	3474	0.012	ng/ml
64) S	DCBP (S)	10.635	3676	0.025	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.351	1846281	185.162	ng/ml
3)	Aroclor 1016 (2)	6.839	3252155	197.386	ng/ml
4)	Aroclor 1016 (3)	6.964	1725953	206.015	ng/ml
5)	Aroclor 1016 (4)	7.054	4676066	571.015	ng/ml
6)	Aroclor 1016 (5)	7.099	4612979	507.317	ng/ml
7)	Aroclor 1016 (6)	7.224	5398065	590.540	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.856	27878	11.613	ng/ml
10)	Aroclor 1221 (2)	5.929	48683	21.020	ng/ml
11)	Aroclor 1221 (3)	6.016	263624	34.713	ng/ml
12)	Aroclor 1221 (4)	6.524	747100	482.233	ng/ml
13)	Aroclor 1221 (5)	6.839	3252155	2796.280	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.016	263624	43.307	ng/ml
16)	Aroclor 1232 (2)	6.351	1846281	473.669	ng/ml
17)	Aroclor 1232 (3)	6.839	3252155	515.415	ng/ml
18)	Aroclor 1232 (4)	7.054	4676066	1809.302	ng/ml
19)	Aroclor 1232 (5)	7.099	4612979	1495.210	ng/ml
20)	Aroclor 1232 (6)	7.224	5398065	1730.168	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.351	1846281	263.871	ng/ml
23)	Aroclor 1242 (2)	6.839	3252155	269.267	ng/ml
24)	Aroclor 1242 (3)	6.964	1725953	293.490	ng/ml
25)	Aroclor 1242 (4)	7.054	4676066	882.199	ng/ml
26)	Aroclor 1242 (5)	7.099	4612979	724.710	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:55
Operator : MJB / KAK
Sample : 0F30023-ICV5
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 14:49:17 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.224	5398065	861.226	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.812	3740478	472.491	ng/ml	
30)	Aroclor 1248 (2)	7.054	4676066	476.026	ng/ml	
31)	Aroclor 1248 (3)	7.099	4612979	498.016	ng/ml	
32)	Aroclor 1248 (4)	7.224	5398065	488.515	ng/ml	488.029
33)	Aroclor 1248 (5)	7.588	6823711	499.632	ng/ml	
34)	Aroclor 1248 (6)	7.746	5525555	493.495	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.570	4869025	369.515	ng/ml	
37)	Aroclor 1254 (2)	7.746	5525555	271.309	ng/ml	
38)	Aroclor 1254 (3)	8.058	3408647	153.398	ng/ml	
39)	Aroclor 1254 (4)	8.296	2339485	139.792	ng/ml	
40)	Aroclor 1254 (5)	8.630	563486	34.165	ng/ml	
41)	Aroclor 1254 (6)	8.861	216595	41.984	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.194	308155	18.065	ng/ml	
44)	Aroclor 1260 (2)	8.397	380090	18.144	ng/ml	
45)	Aroclor 1260 (3)	8.630	563486	26.799	ng/ml	
46)	Aroclor 1260 (4)	9.119	114522	3.464	ng/ml	
47)	Aroclor 1260 (5)	9.382	82744	4.355	ng/ml	
48)	Aroclor 1260 (6)	9.958	24575	3.160	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.397	380090	25.177	ng/ml	
51)	Aroclor 1262 (2)	8.702	47399	2.216	ng/ml	
52)	Aroclor 1262 (3)	8.861	216595	12.913	ng/ml	
53)	Aroclor 1262 (4)	9.119	114522	3.142	ng/ml	
54)	Aroclor 1262 (5)	9.382	82744	3.918	ng/ml	
55)	Aroclor 1262 (6)	9.958	24575	2.475	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.924	6226	0.666	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:55
Operator : MJB / KAK
Sample : 0F30023-ICV5
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 14:49:17 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.382	82744	2.108	ng/ml
59)	Aroclor 1268 (3)	9.449	27310	0.845	ng/ml
60)	Aroclor 1268 (4)	9.670	3477	0.129	ng/ml
61)	Aroclor 1268 (5)	9.958	24575	2.266	ng/ml
62)	Aroclor 1268 (6)	10.315	10652	0.148	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

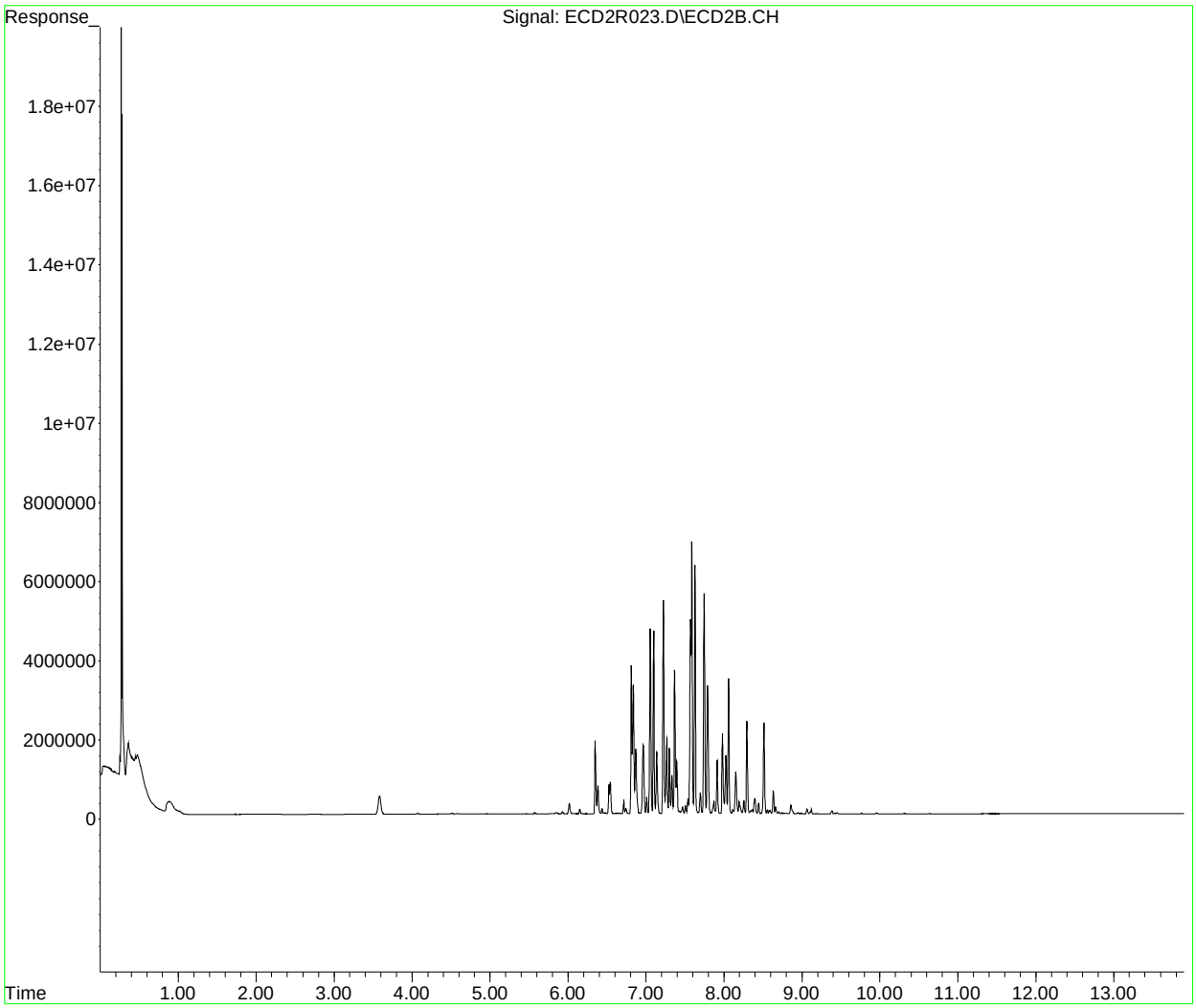
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 12:55
Operator : MJB / KAK
Sample : 0F30023-ICV5
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 14:49:17 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\requant\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F30023-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:23:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.681	2922722	10.391	ng/ml	✓
64) S	DCBP (S)	10.639	1492442	10.312	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	6.353	248754	24.947	ng/ml	
3)	Aroclor 1016 (2)	6.841	369378	22.419	ng/ml	
4)	Aroclor 1016 (3)	6.968	198943	23.747	ng/ml	
5)	Aroclor 1016 (4)	7.055	204715	24.999	ng/ml	✓
6)	Aroclor 1016 (5)	7.100	223261	24.553	ng/ml	
7)	Aroclor 1016 (6)	7.225	220776	24.153	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F30023-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:23:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.196	394807	23.144	ng/ml	
44)	Aroclor 1260 (2)	8.402	479359	22.882	ng/ml	
45)	Aroclor 1260 (3)	8.634	475198	22.600	ng/ml	
46)	Aroclor 1260 (4)	9.121	691246	20.906	ng/ml	✓
47)	Aroclor 1260 (5)	9.385	425424	22.389	ng/ml	
48)	Aroclor 1260 (6)	9.960	186626	24.001	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F30023-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:23:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

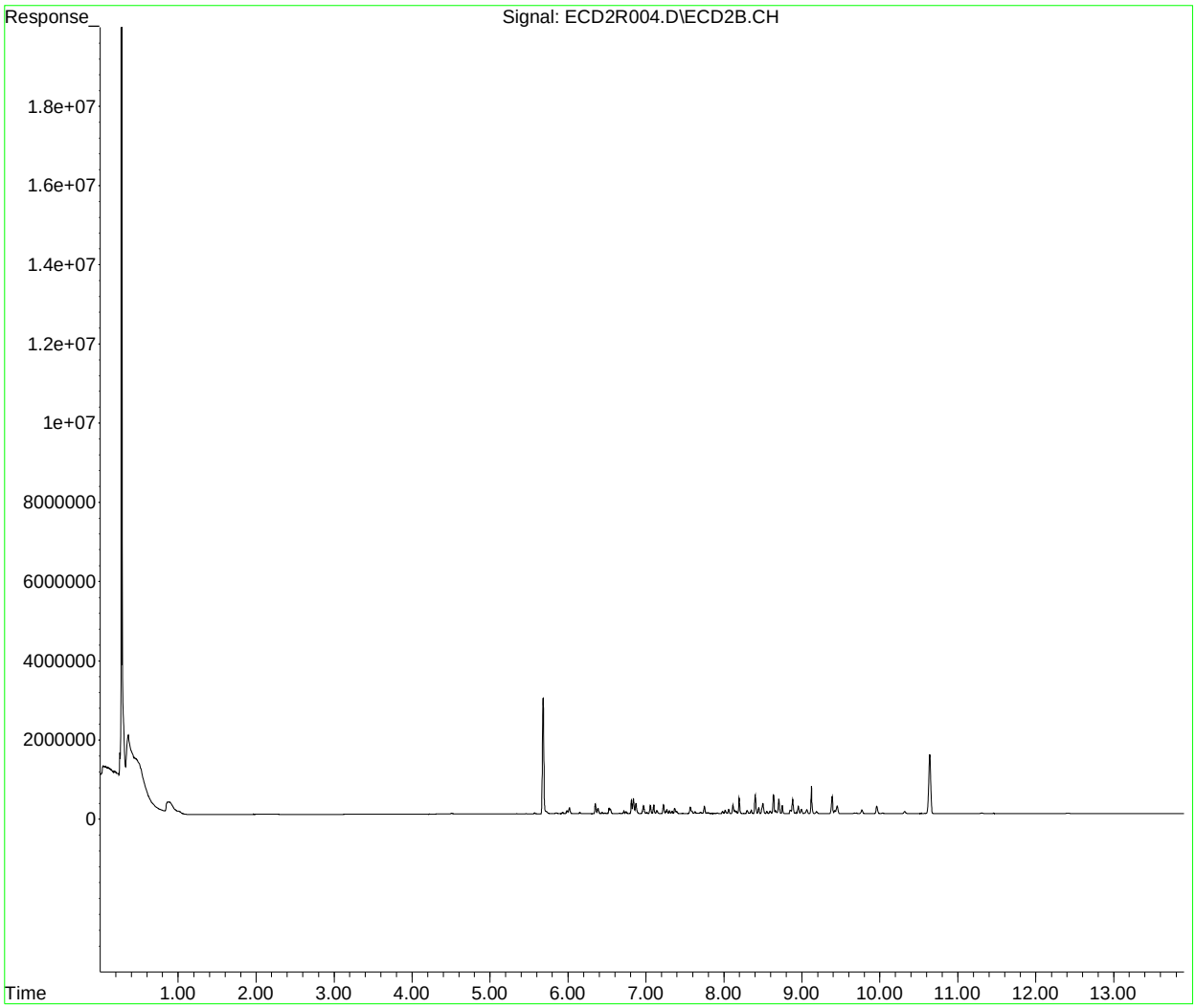
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F30023-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:23:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\requant\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:38
Operator : MJB / KAK
Sample : 0F30023-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:25:05 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	6634821	23.587	ng/ml	✓
64) S	DCBP (S)	10.636	3396930	23.471	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	6.353	529061	53.059	ng/ml	
3)	Aroclor 1016 (2)	6.841	825982	50.132	ng/ml	
4)	Aroclor 1016 (3)	6.968	429832	51.306	ng/ml	
5)	Aroclor 1016 (4)	7.055	441651	53.932	ng/ml	✓
6)	Aroclor 1016 (5)	7.100	464648	51.100	ng/ml	
7)	Aroclor 1016 (6)	7.225	474156	51.872	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:38
Operator : MJB / KAK
Sample : 0F30023-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:25:05 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.195	863123	50.598	ng/ml	
44)	Aroclor 1260 (2)	8.401	1068211	50.991	ng/ml	
45)	Aroclor 1260 (3)	8.633	1065658	50.682	ng/ml	
46)	Aroclor 1260 (4)	9.121	1571355	47.523	ng/ml	✓
47)	Aroclor 1260 (5)	9.383	949138	49.951	ng/ml	
48)	Aroclor 1260 (6)	9.959	410886	52.841	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:38
Operator : MJB / KAK
Sample : 0F30023-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:25:05 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

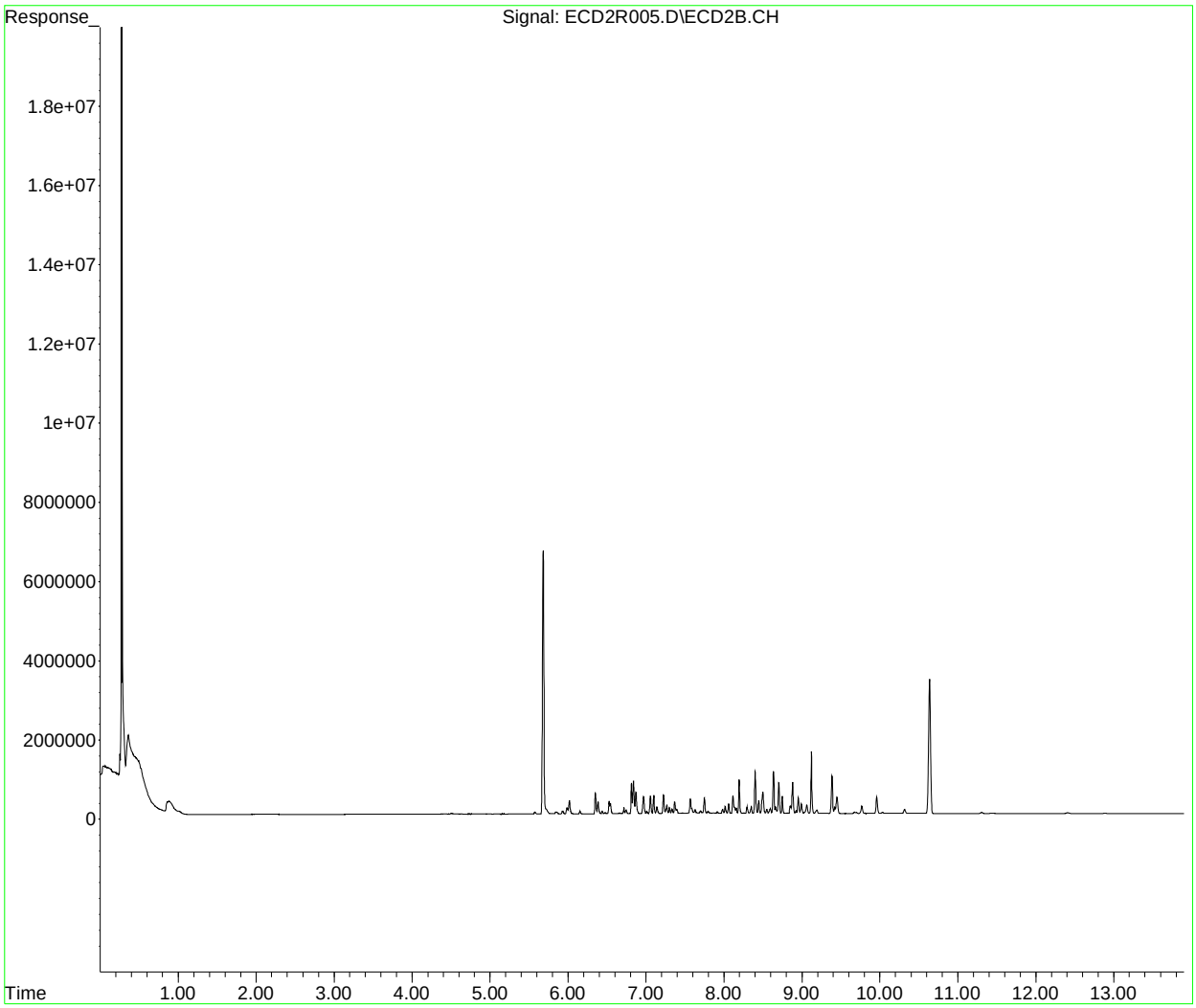
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:38
Operator : MJB / KAK
Sample : 0F30023-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:25:05 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\requant\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:56
Operator : MJB / KAK
Sample : 0F30023-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:26:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.681	14332678	50.954	ng/ml	
64) S	DCBP (S)	10.636	7077854	48.903	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	6.352	1045744	104.877	ng/ml	
3)	Aroclor 1016 (2)	6.841	1618179	98.214	ng/ml	
4)	Aroclor 1016 (3)	6.967	862273	102.924	ng/ml	✓
5)	Aroclor 1016 (4)	7.055	840627	102.653	ng/ml	
6)	Aroclor 1016 (5)	7.099	954493	104.971	ng/ml	
7)	Aroclor 1016 (6)	7.225	977976	106.989	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:56
Operator : MJB / KAK
Sample : 0F30023-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:26:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.196	1701990	99.773	ng/ml	
44)	Aroclor 1260 (2)	8.401	2103340	100.404	ng/ml	
45)	Aroclor 1260 (3)	8.633	2188574	104.087	ng/ml	
46)	Aroclor 1260 (4)	9.121	3236810	97.892	ng/ml	✓
47)	Aroclor 1260 (5)	9.384	1892030	99.573	ng/ml	
48)	Aroclor 1260 (6)	9.959	774632	99.621	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:56
Operator : MJB / KAK
Sample : 0F30023-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:26:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

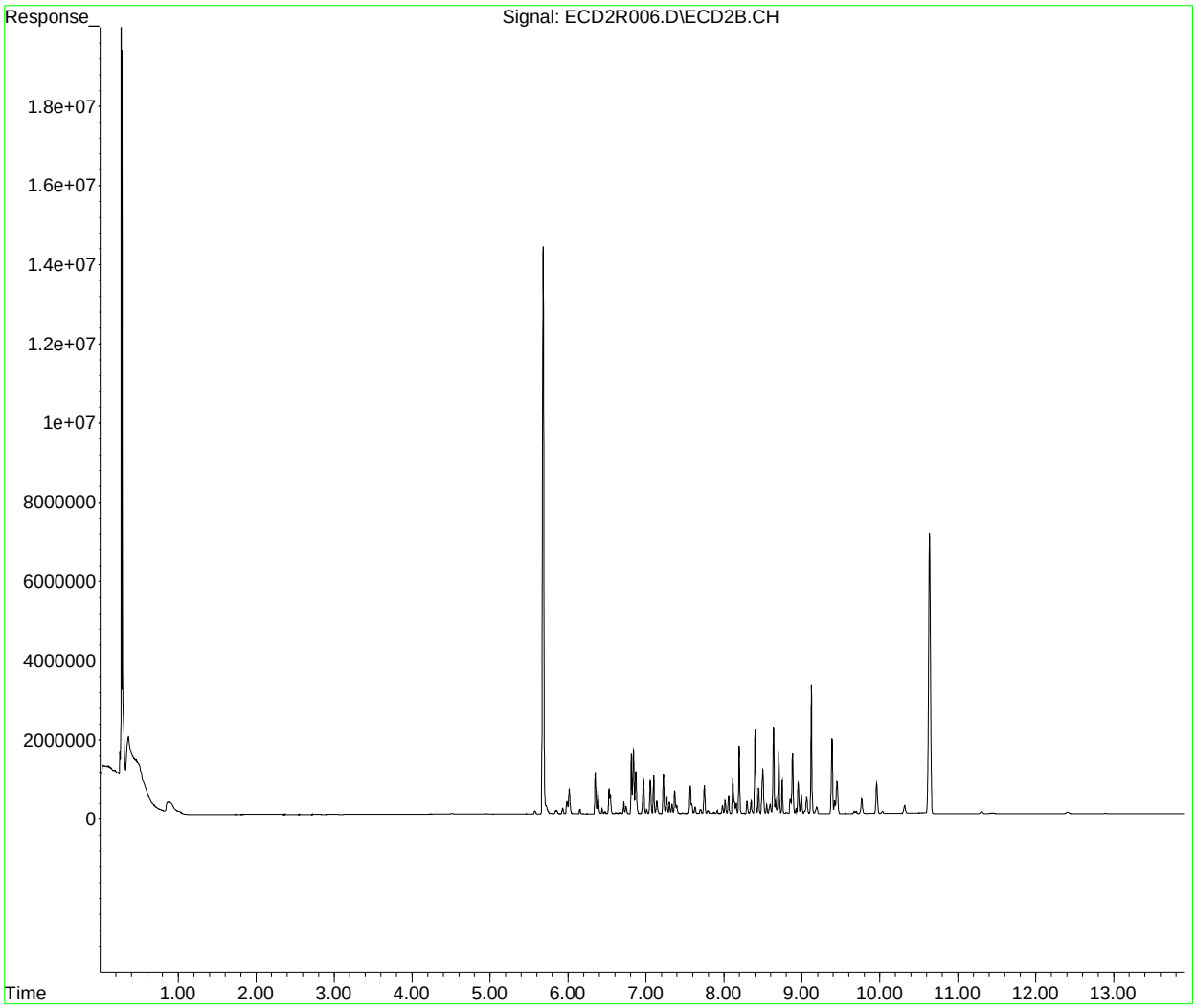
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:56
Operator : MJB / KAK
Sample : 0F30023-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:26:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:13
Operator : MJB / KAK
Sample : 0F30023-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:28:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.681	28678529	101.955	ng/ml	
64) S	DCBP (S)	10.635	14099191	97.416	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	6.352	1947355	195.299	ng/ml	
3)	Aroclor 1016 (2)	6.840	3261039	197.925	ng/ml	
4)	Aroclor 1016 (3)	6.967	1672895	199.682	ng/ml	
5)	Aroclor 1016 (4)	7.054	1584065	193.437	ng/ml	✓
6)	Aroclor 1016 (5)	7.100	1776585	195.382	ng/ml	
7)	Aroclor 1016 (6)	7.224	1771164	193.763	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:13
Operator : MJB / KAK
Sample : 0F30023-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:28:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.195	3444500	201.922	ng/ml	
44)	Aroclor 1260 (2)	8.401	4052812	193.463	ng/ml	
45)	Aroclor 1260 (3)	8.632	3966010	188.621	ng/ml	✓
46)	Aroclor 1260 (4)	9.120	6648826	201.083	ng/ml	
47)	Aroclor 1260 (5)	9.384	3725025	196.040	ng/ml	
48)	Aroclor 1260 (6)	9.958	1519132	195.366	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:13
Operator : MJB / KAK
Sample : 0F30023-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:28:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

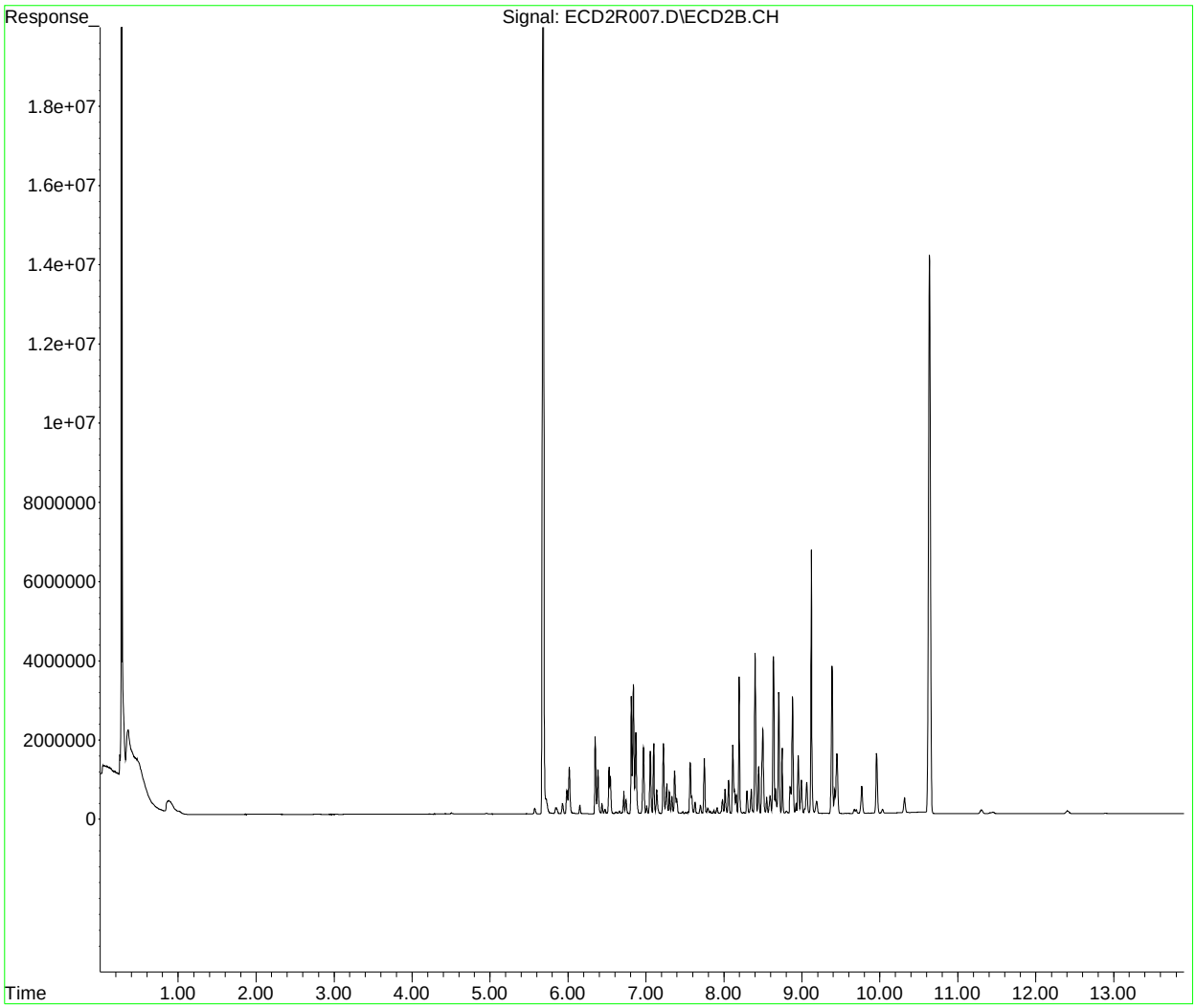
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:13
Operator : MJB / KAK
Sample : 0F30023-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:28:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:31
Operator : MJB / KAK
Sample : 0F30023-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:30:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.682	70118577	249.279	ng/ml	
64) S	DCBP (S)	10.636	33993101	234.871	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	6.352	4609399	462.274	ng/ml	
3)	Aroclor 1016 (2)	6.840	8075397	490.127	ng/ml	
4)	Aroclor 1016 (3)	6.966	3900198	465.541	ng/ml	✓
5)	Aroclor 1016 (4)	7.054	3739212	456.612	ng/ml	
6)	Aroclor 1016 (5)	7.099	4262727	468.797	ng/ml	
7)	Aroclor 1016 (6)	7.224	4290019	469.321	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:31
Operator : MJB / KAK
Sample : 0F30023-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:30:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.195	8120500	476.036	ng/ml	
44)	Aroclor 1260 (2)	8.400	10032072	478.885	ng/ml	
45)	Aroclor 1260 (3)	8.632	9929357	472.233	ng/ml	
46)	Aroclor 1260 (4)	9.121	16035237	484.959	ng/ml	✓
47)	Aroclor 1260 (5)	9.383	8838819	465.168	ng/ml	
48)	Aroclor 1260 (6)	9.957	3617568	465.232	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:31
Operator : MJB / KAK
Sample : 0F30023-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:30:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

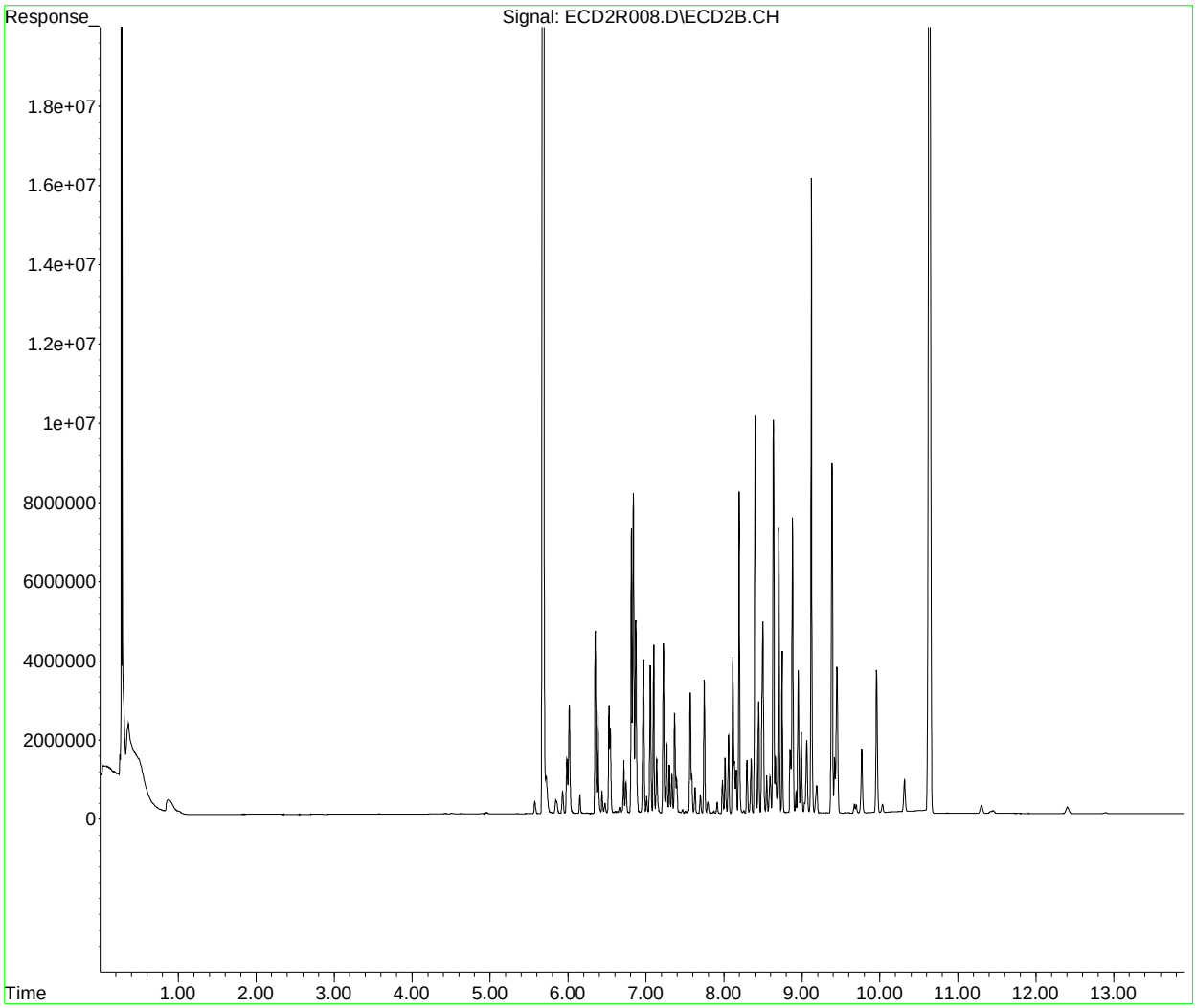
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:31
Operator : MJB / KAK
Sample : 0F30023-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:30:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:49
Operator : MJB / KAK
Sample : 0F30023-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:32:03 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.684	152428222	541.897	ng/ml	✓
64) S	DCBP (S)	10.638	75618280	522.474	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	6.353	8820323	884.584	ng/ml	
3)	Aroclor 1016 (2)	6.840	15420032	935.901	ng/ml	
4)	Aroclor 1016 (3)	6.967	7803498	931.452	ng/ml	✓
5)	Aroclor 1016 (4)	7.055	7200765	879.317	ng/ml	✓
6)	Aroclor 1016 (5)	7.100	8188366	900.523	ng/ml	
7)	Aroclor 1016 (6)	7.225	8161976	892.908	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:49
Operator : MJB / KAK
Sample : 0F30023-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:32:03 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.197	15944495	934.690	ng/ml	
44)	Aroclor 1260 (2)	8.402	19837120	946.933	ng/ml	
45)	Aroclor 1260 (3)	8.634	20055667	953.834	ng/ml	
46)	Aroclor 1260 (4)	9.122	32875507	994.265	ng/ml	✓
47)	Aroclor 1260 (5)	9.385	18129303	954.106	ng/ml	
48)	Aroclor 1260 (6)	9.959	7193707	925.137	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:49
Operator : MJB / KAK
Sample : 0F30023-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:32:03 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

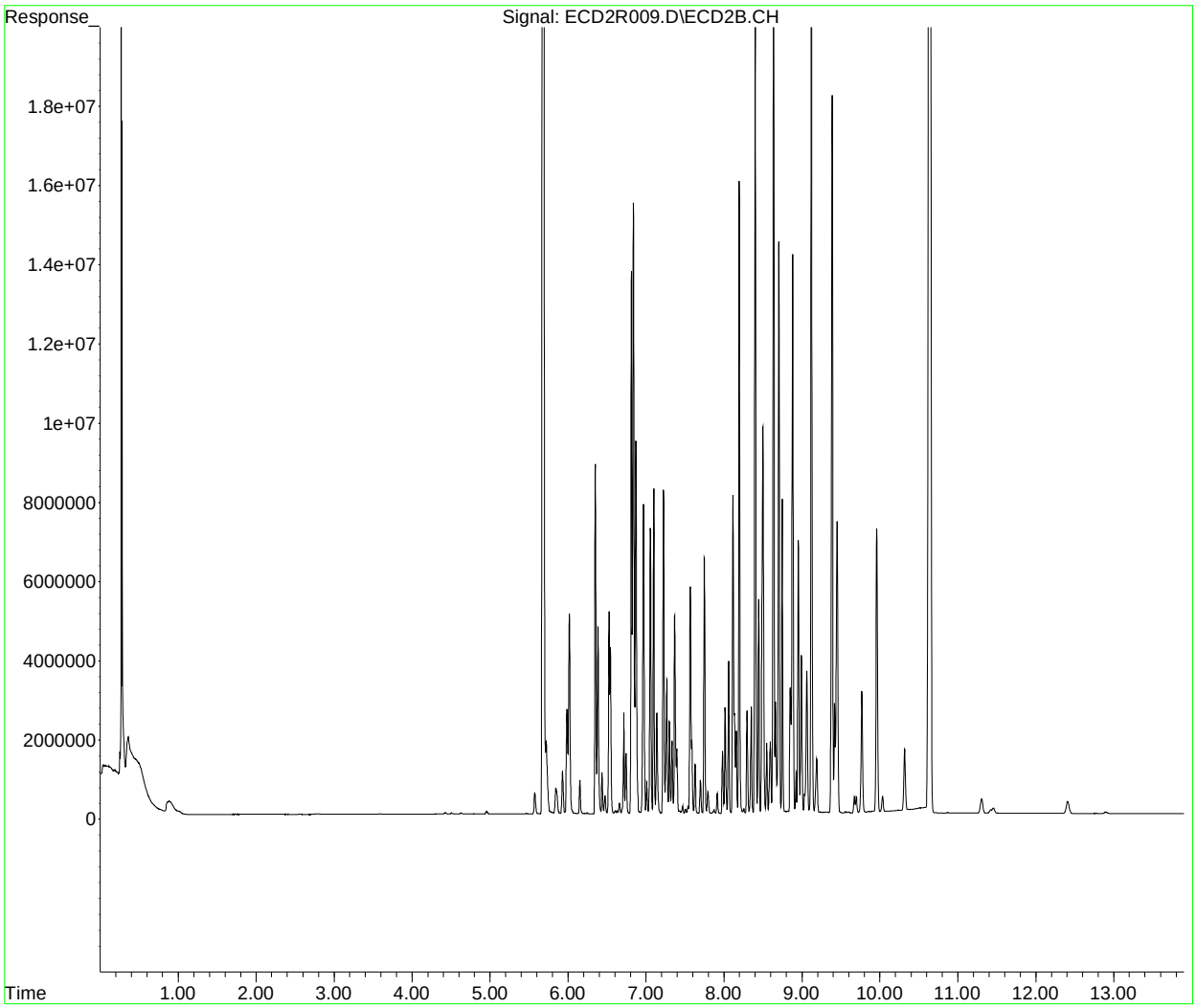
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:49
Operator : MJB / KAK
Sample : 0F30023-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:32:03 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30023\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:06
Operator : MJB / KAK
Sample : 0F30023-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:33:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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)	5.689	202054326	718.323	ng/ml	✓
64) S	DCBP (S)	10.640	126591351	874.665	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.353	12818710	1285.580	ng/ml	
3)	Aroclor 1016 (2)	6.841	24429829	1482.741	ng/ml	
4)	Aroclor 1016 (3)	6.967	11264386	1344.555	ng/ml	✓
5)	Aroclor 1016 (4)	7.055	10873117	1327.764	ng/ml	
6)	Aroclor 1016 (5)	7.100	12078898	1328.388	ng/ml	
7)	Aroclor 1016 (6)	7.225	12130138	1327.018	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 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:06
Operator : MJB / KAK
Sample : 0F30023-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:33:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.196	23969056	1405.102	ng/ml	
44)	Aroclor 1260 (2)	8.402	30166231	1439.997	ng/ml	
45)	Aroclor 1260 (3)	8.634	30722143	1461.124	ng/ml	
46)	Aroclor 1260 (4)	9.122	52362530	1583.618	ng/ml	✓
47)	Aroclor 1260 (5)	9.384	29104650	1531.715	ng/ml	
48)	Aroclor 1260 (6)	9.959	10666398	1371.738	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:06
Operator : MJB / KAK
Sample : 0F30023-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:33:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

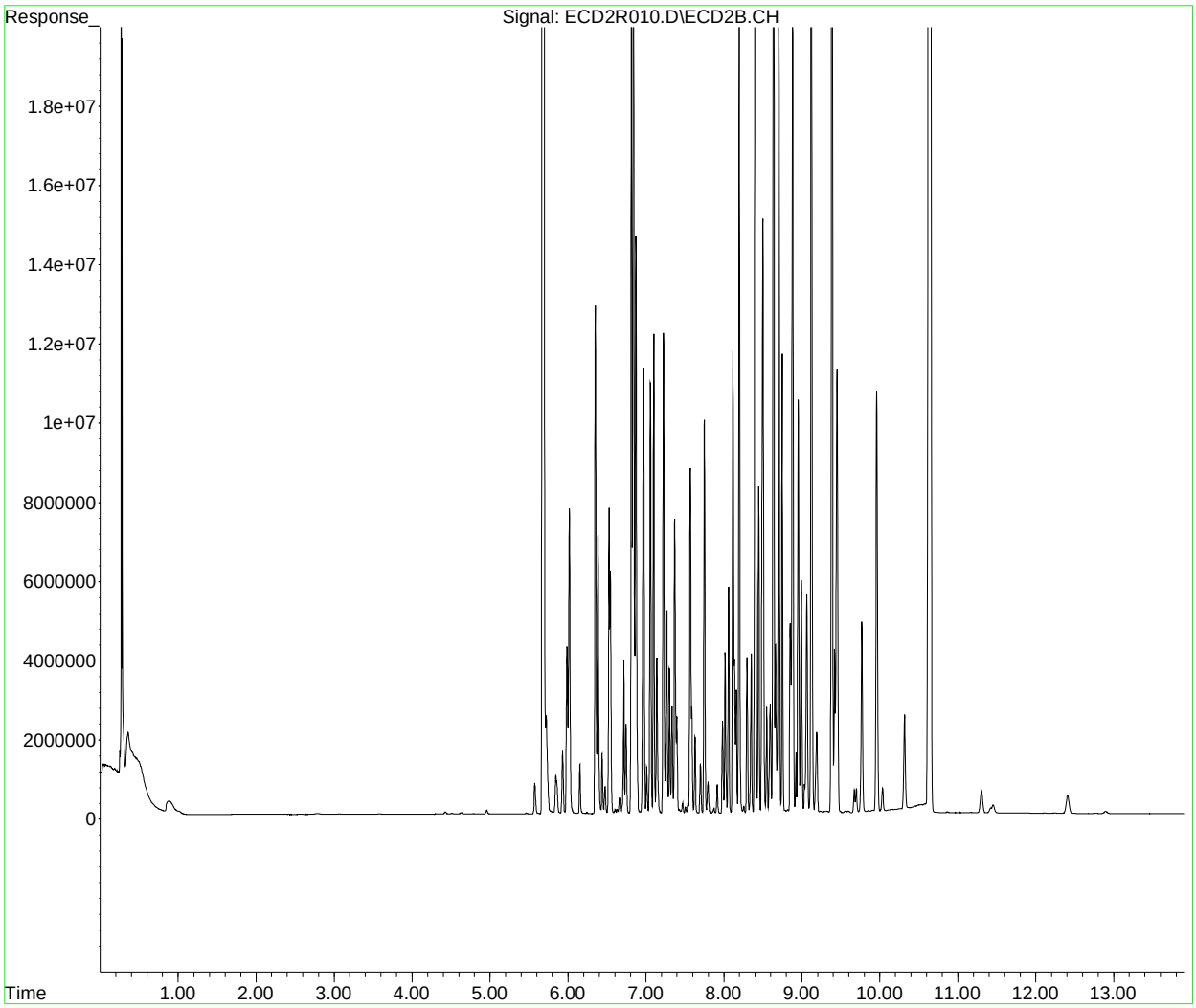
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:06
Operator : MJB / KAK
Sample : 0F30023-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:33:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:17:12 2020
Response via : Initial Calibration
Integrator: 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\0F30022.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	0F30022-CCV1	E2A21015	1	Sample		
3	Vial 3	0F30022-CCB1	E2A21015	1	Sample		
4	Vial 4	0060900-BLK1	E2A21015	1	Sample		
5	Vial 5	0060900-BS1	E2A21015	1	Sample		
6	Vial 6	A0F0743-01	E2A21015	1	Sample		
7	Vial 1	0F30022-IBL1	E2A21015	1	Sample		
8	Vial 7	0060900-MS1	E2A21015	1	Sample		
9	Vial 1	0F30022-IBL2	E2A21015	1	Sample		
10	Vial 8	0060900-MSD1	E2A21015	1	Sample		
11	Vial 1	0F30022-IBL3	E2A21015	1	Sample		
12	Vial 9	A0F0743-03	E2A21015	1	Sample		
13	Vial 1	0F30022-IBL4	E2A21015	1	Sample		
14	Vial 10	A0F0743-04	E2A21015	1	Sample		
15	Vial 1	0F30022-IBL5	E2A21015	1	Sample		
16	Vial 11	A0F0743-05	E2A21015	1	Sample		
17	Vial 1	0F30022-IBL6	E2A21015	1	Sample		
18	Vial 12	A0F0743-16	E2A21015	1	Sample		
19	Vial 1	0F30022-IBL7	E2A21015	1	Sample		
20	Vial 13	0060900-DUP1	E2A21015	1	Sample		
21	Vial 1	0F30022-IBL8	E2A21015	1	Sample		
22	Vial 2	0F30022-CCV2	E2A21015	1	Sample		
23	Vial 3	0F30022-CCB2	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	0F30023-ICB	E2A21015	1	Sample		
4	Vial 53	0F30023-CAL1	E2A21015	1	Sample		
5	Vial 54	0F30023-CAL2	E2A21015	1	Sample		
6	Vial 55	0F30023-CAL3	E2A21015	1	Sample		
7	Vial 56	0F30023-CAL4	E2A21015	1	Sample		
8	Vial 57	0F30023-CAL5	E2A21015	1	Sample		
9	Vial 58	0F30023-CAL6	E2A21015	1	Sample		
10	Vial 59	0F30023-CAL7	E2A21015	1	Sample		
11	Vial 51	0F30023-IBL1	E2A21015	1	Sample		
12	Vial 60	0F30023-ICV1	E2A21015	1	Sample		
13	Vial 61	0F30023-CAL8	E2A21015	1	Sample		
14	Vial 62	0F30023-CAL9	E2A21015	1	Sample		
15	Vial 63	0F30023-CALA	E2A21015	1	Sample		
16	Vial 64	0F30023-CALB	E2A21015	1	Sample		
17	Vial 65	0F30023-CALC	E2A21015	1	Sample		
18	Vial 66	0F30023-CALD	E2A21015	1	Sample		
19	Vial 67	0F30023-CALE	E2A21015	1	Sample		
20	Vial 68	0F30023-ICV2	E2A21015	1	Sample		
21	Vial 69	0F30023-ICV3	E2A21015	1	Sample		
22	Vial 70	0F30023-ICV4	E2A21015	1	Sample		
23	Vial 71	0F30023-ICV5	E2A21015	1	Sample		

6/30/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F30023-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 12:46:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.681	2922722	11.890	ng/ml
64) S	DCBP (S)	10.639	1492442	12.886	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.353	248754	29.783	ng/ml
3)	Aroclor 1016 (2)	6.841	369378	26.350	ng/ml
4)	Aroclor 1016 (3)	6.968	198943	28.176	ng/ml
5)	Aroclor 1016 (4)	7.055	204715	30.624	ng/ml
6)	Aroclor 1016 (5)	7.100	223261	29.627	ng/ml
7)	Aroclor 1016 (6)	7.225	220776	28.927	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F30023-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:46:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.196	394807	27.428	ng/ml
44)	Aroclor 1260 (2)	8.402	479359	27.624	ng/ml
45)	Aroclor 1260 (3)	8.634	475198	27.436	ng/ml
46)	Aroclor 1260 (4)	9.121	691246	26.272	ng/ml
47)	Aroclor 1260 (5)	9.385	425424	28.983	ng/ml
48)	Aroclor 1260 (6)	9.960	186626	31.189	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F30023-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:46:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

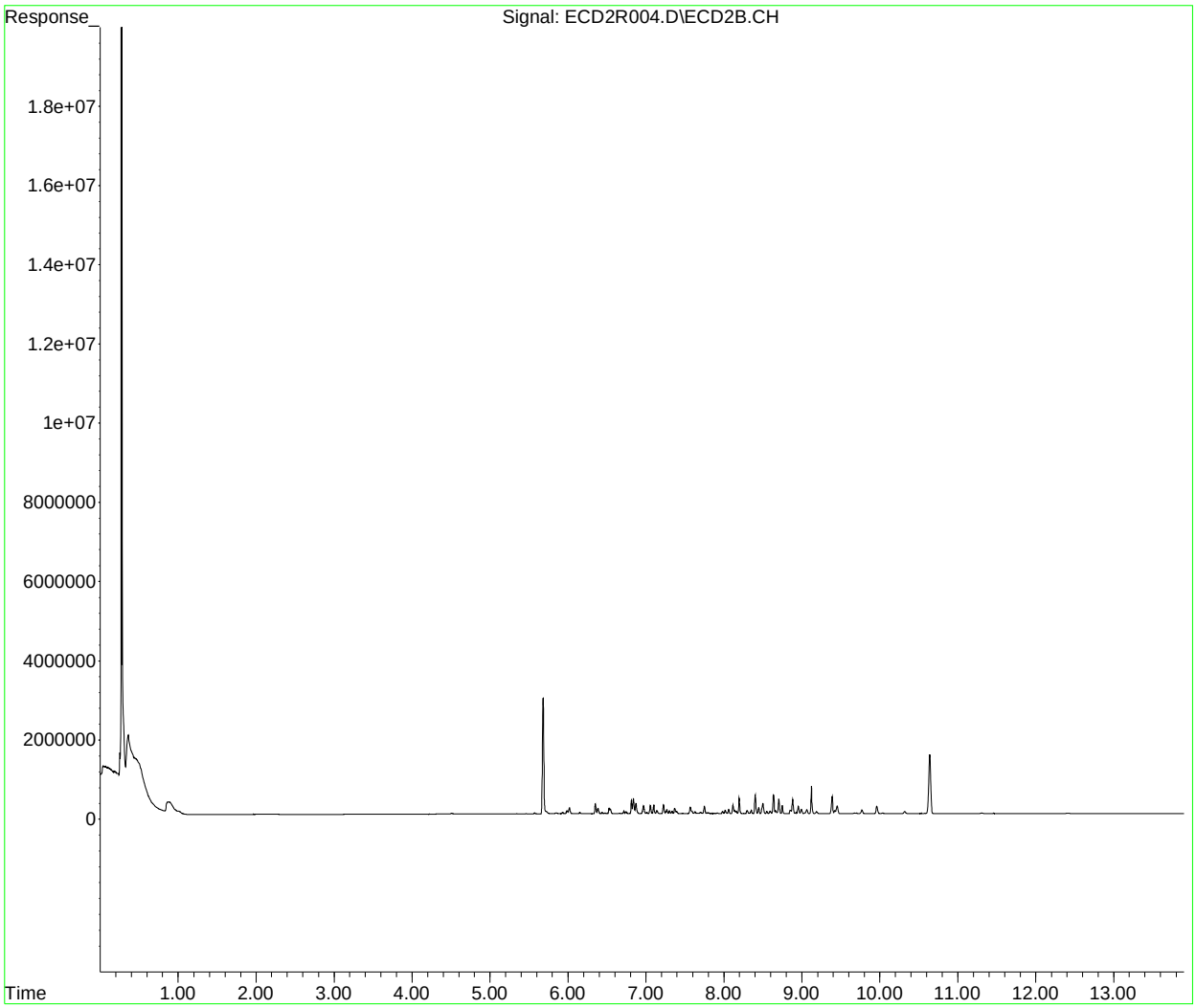
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:21
Operator : MJB / KAK
Sample : 0F30023-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:46:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:38
Operator : MJB / KAK
Sample : 0F30023-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 12:48:07 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.682	6634821	26.992	ng/ml
64) S	DCBP (S)	10.636	3396930	29.330	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.353	529061	63.343	ng/ml
3)	Aroclor 1016 (2)	6.841	825982	58.922	ng/ml
4)	Aroclor 1016 (3)	6.968	429832	60.875	ng/ml
5)	Aroclor 1016 (4)	7.055	441651	66.068	ng/ml
6)	Aroclor 1016 (5)	7.100	464648	61.658	ng/ml
7)	Aroclor 1016 (6)	7.225	474156	62.126	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:38
Operator : MJB / KAK
Sample : 0F30023-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:48:07 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.195	863123	59.962	ng/ml
44)	Aroclor 1260 (2)	8.401	1068211	61.559	ng/ml
45)	Aroclor 1260 (3)	8.633	1065658	61.526	ng/ml
46)	Aroclor 1260 (4)	9.121	1571355	59.723	ng/ml
47)	Aroclor 1260 (5)	9.383	949138	64.663	ng/ml
48)	Aroclor 1260 (6)	9.959	410886	68.667	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:38
Operator : MJB / KAK
Sample : 0F30023-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:48:07 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

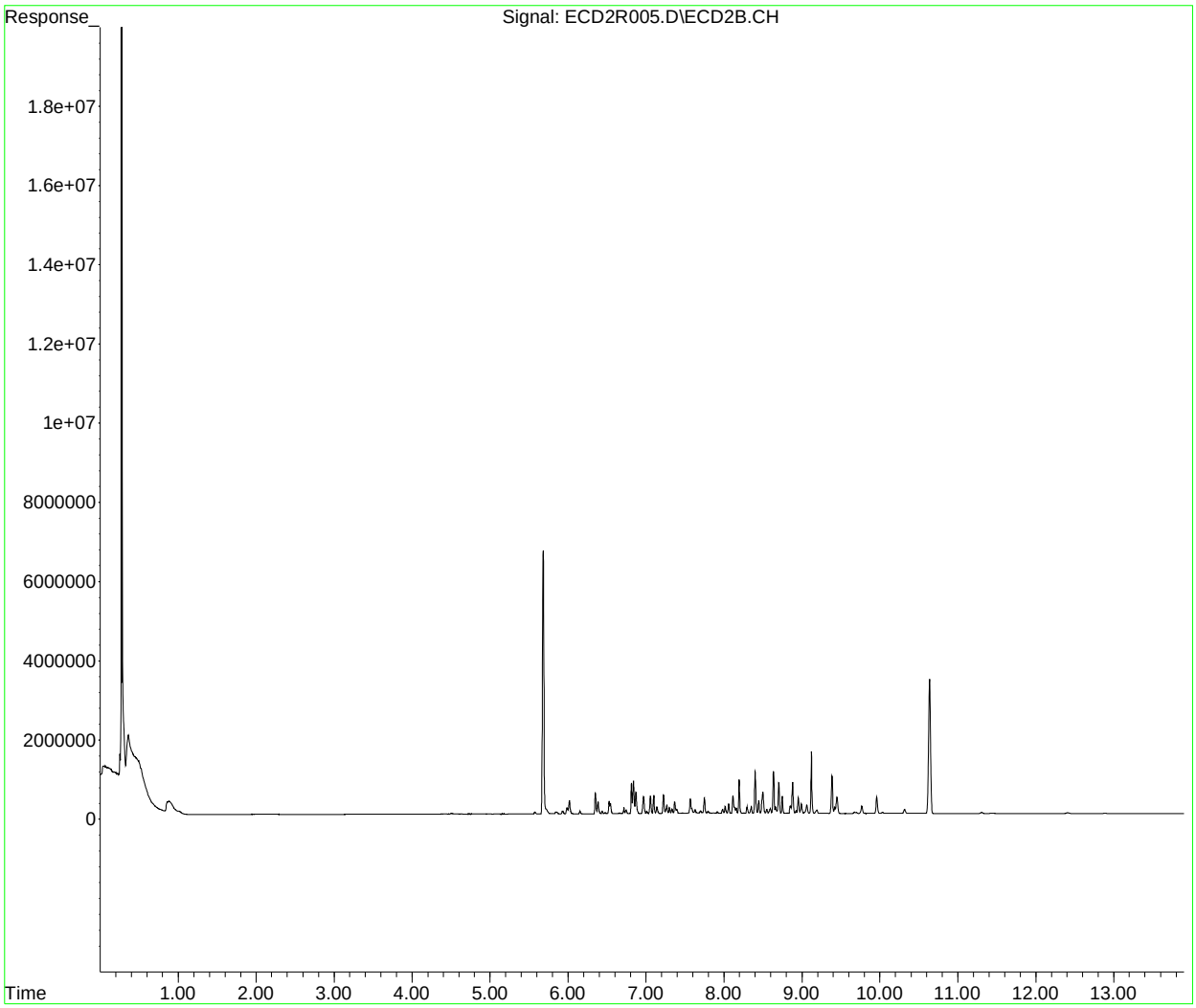
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:38
Operator : MJB / KAK
Sample : 0F30023-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:48:07 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:56
Operator : MJB / KAK
Sample : 0F30023-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 12:49:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.681	14332678	58.308	ng/ml
64) S	DCBP (S)	10.636	7077854	61.112	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.352	1045744	125.205	ng/ml
3)	Aroclor 1016 (2)	6.841	1618179	115.434	ng/ml
4)	Aroclor 1016 (3)	6.967	862273	122.120	ng/ml
5)	Aroclor 1016 (4)	7.055	840627	125.751	ng/ml
6)	Aroclor 1016 (5)	7.099	954493	126.660	ng/ml
7)	Aroclor 1016 (6)	7.225	977976	128.138	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:56
Operator : MJB / KAK
Sample : 0F30023-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:49:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.196	1701990	118.239	ng/ml
44)	Aroclor 1260 (2)	8.401	2103340	121.211	ng/ml
45)	Aroclor 1260 (3)	8.633	2188574	126.357	ng/ml
46)	Aroclor 1260 (4)	9.121	3236810	123.022	ng/ml
47)	Aroclor 1260 (5)	9.384	1892030	128.900	ng/ml
48)	Aroclor 1260 (6)	9.959	774632	129.457	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:56
Operator : MJB / KAK
Sample : 0F30023-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:49:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

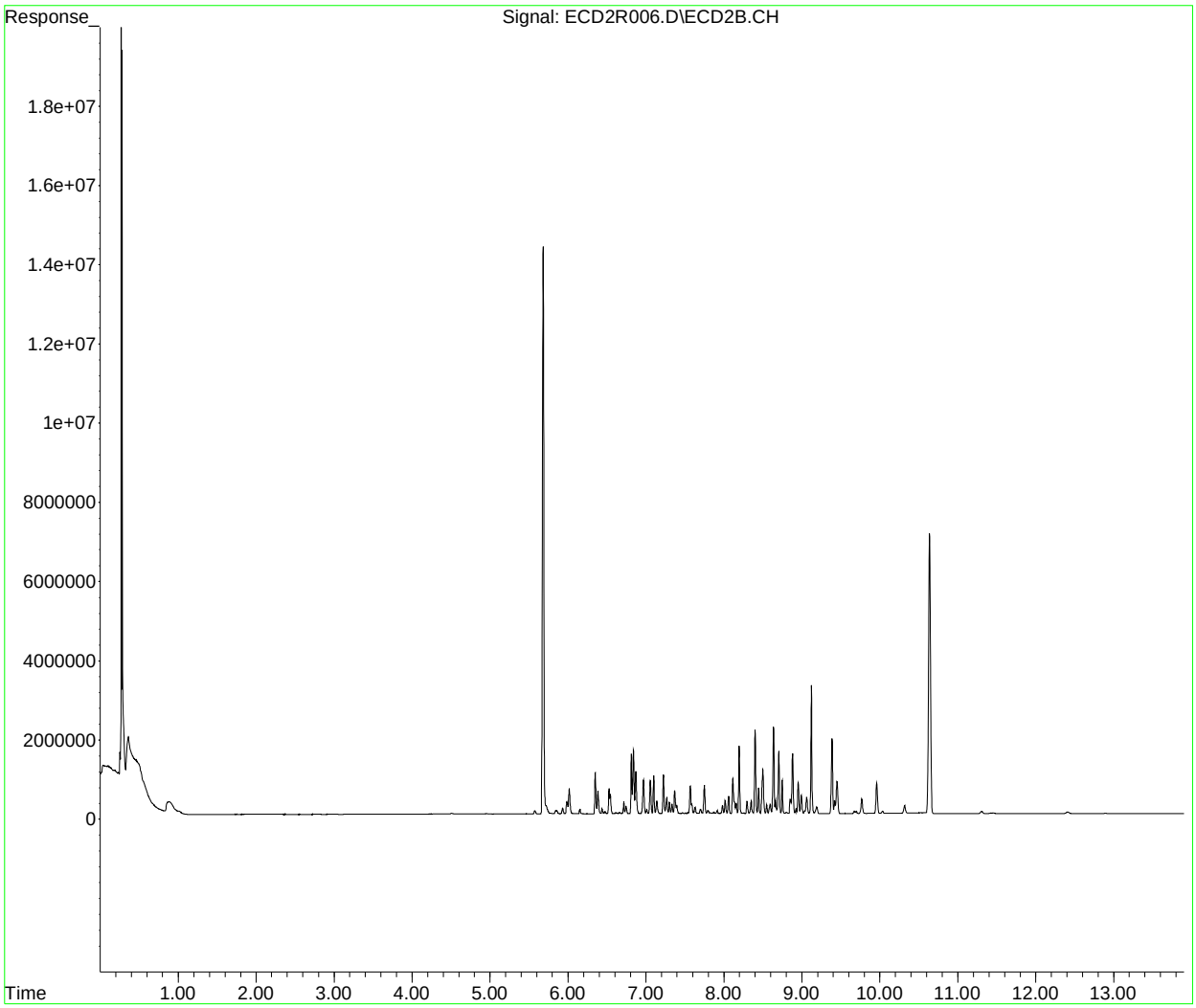
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 7:56
Operator : MJB / KAK
Sample : 0F30023-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:49:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:13
Operator : MJB / KAK
Sample : 0F30023-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 12:51:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.681	28678529	116.669	ng/ml
64) S	DCBP (S)	10.635	14099191	121.736	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.352	1947355	233.153	ng/ml
3)	Aroclor 1016 (2)	6.840	3261039	232.628	ng/ml
4)	Aroclor 1016 (3)	6.967	1672895	236.925	ng/ml
5)	Aroclor 1016 (4)	7.054	1584065	236.964	ng/ml
6)	Aroclor 1016 (5)	7.100	1776585	235.751	ng/ml
7)	Aroclor 1016 (6)	7.224	1771164	232.064	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:13
Operator : MJB / KAK
Sample : 0F30023-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:51:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.195	3444500	239.292	ng/ml
44)	Aroclor 1260 (2)	8.401	4052812	233.554	ng/ml
45)	Aroclor 1260 (3)	8.632	3966010	228.977	ng/ml
46)	Aroclor 1260 (4)	9.120	6648826	252.704	ng/ml
47)	Aroclor 1260 (5)	9.384	3725025	253.778	ng/ml
48)	Aroclor 1260 (6)	9.958	1519132	253.877	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:13
Operator : MJB / KAK
Sample : 0F30023-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:51:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

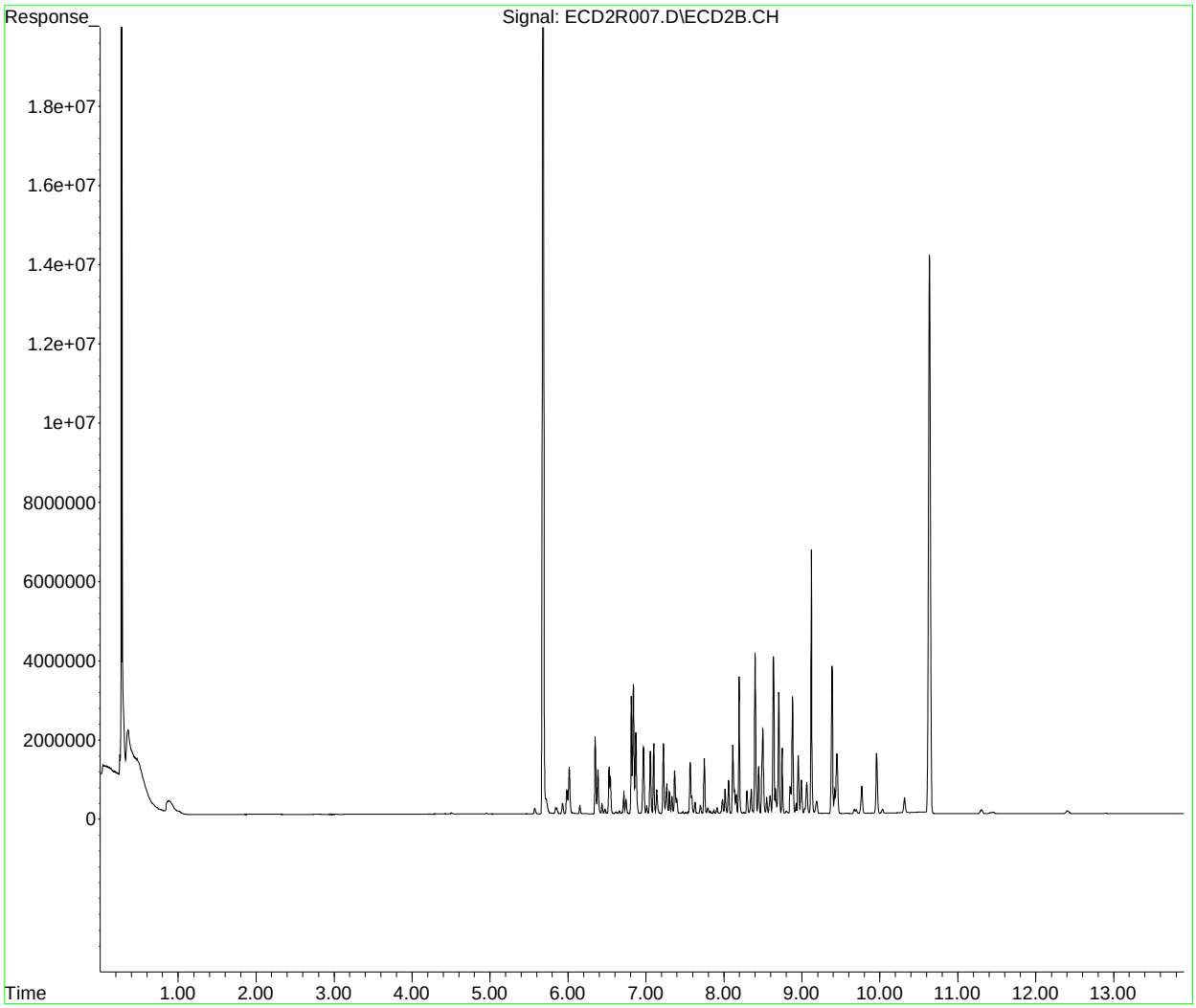
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:13
Operator : MJB / KAK
Sample : 0F30023-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:51:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:31
Operator : MJB / KAK
Sample : 0F30023-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 12:44:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:42:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.682	70118577	285.254	ng/ml
64) S	DCBP (S)	10.636	33993101	293.505	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.352	4609399	551.874	ng/ml
3)	Aroclor 1016 (2)	6.840	8075397	576.062	ng/ml
4)	Aroclor 1016 (3)	6.966	3900198	552.370	ng/ml
5)	Aroclor 1016 (4)	7.054	3739212	559.358	ng/ml
6)	Aroclor 1016 (5)	7.099	4262727	565.659	ng/ml
7)	Aroclor 1016 (6)	7.224	4290019	562.093	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:31
Operator : MJB / KAK
Sample : 0F30023-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:44:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:42:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.195	8120500	564.137	ng/ml
44)	Aroclor 1260 (2)	8.400	10032072	578.125	ng/ml
45)	Aroclor 1260 (3)	8.632	9929357	573.271	ng/ml
46)	Aroclor 1260 (4)	9.121	16035237	609.456	ng/ml
47)	Aroclor 1260 (5)	9.383	8838819	602.169	ng/ml
48)	Aroclor 1260 (6)	9.957	3617568	604.568	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:31
Operator : MJB / KAK
Sample : 0F30023-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:44:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:42:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

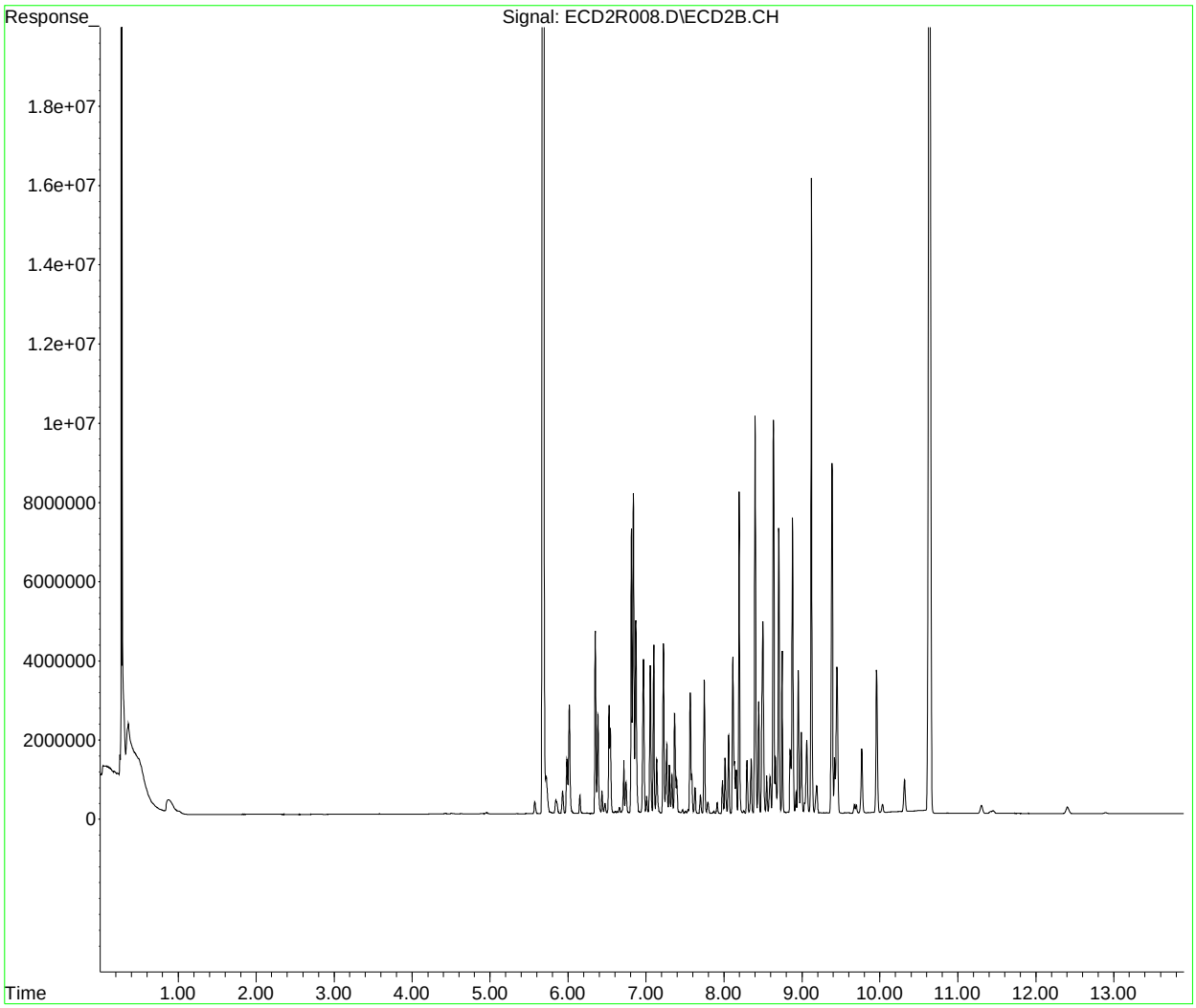
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:31
Operator : MJB / KAK
Sample : 0F30023-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:44:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:42:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:49
Operator : MJB / KAK
Sample : 0F30023-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 12:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.684	152428222	620.103	ng/ml
64) S	DCBP (S)	10.638	75618280	652.908	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.353	8820323	1056.039	ng/ml
3)	Aroclor 1016 (2)	6.840	15420032	1099.995	ng/ml
4)	Aroclor 1016 (3)	6.967	7803498	1105.179	ng/ml
5)	Aroclor 1016 (4)	7.055	7200765	1077.180	ng/ml
6)	Aroclor 1016 (5)	7.100	8188366	1086.587	ng/ml
7)	Aroclor 1016 (6)	7.225	8161976	1069.411	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:49
Operator : MJB / KAK
Sample : 0F30023-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.197	15944495	1107.676	ng/ml
44)	Aroclor 1260 (2)	8.402	19837120	1143.168	ng/ml
45)	Aroclor 1260 (3)	8.634	20055667	1157.912	ng/ml
46)	Aroclor 1260 (4)	9.122	32875507	1249.509	ng/ml
47)	Aroclor 1260 (5)	9.385	18129303	1235.109	ng/ml
48)	Aroclor 1260 (6)	9.959	7193707	1202.212	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:49
Operator : MJB / KAK
Sample : 0F30023-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

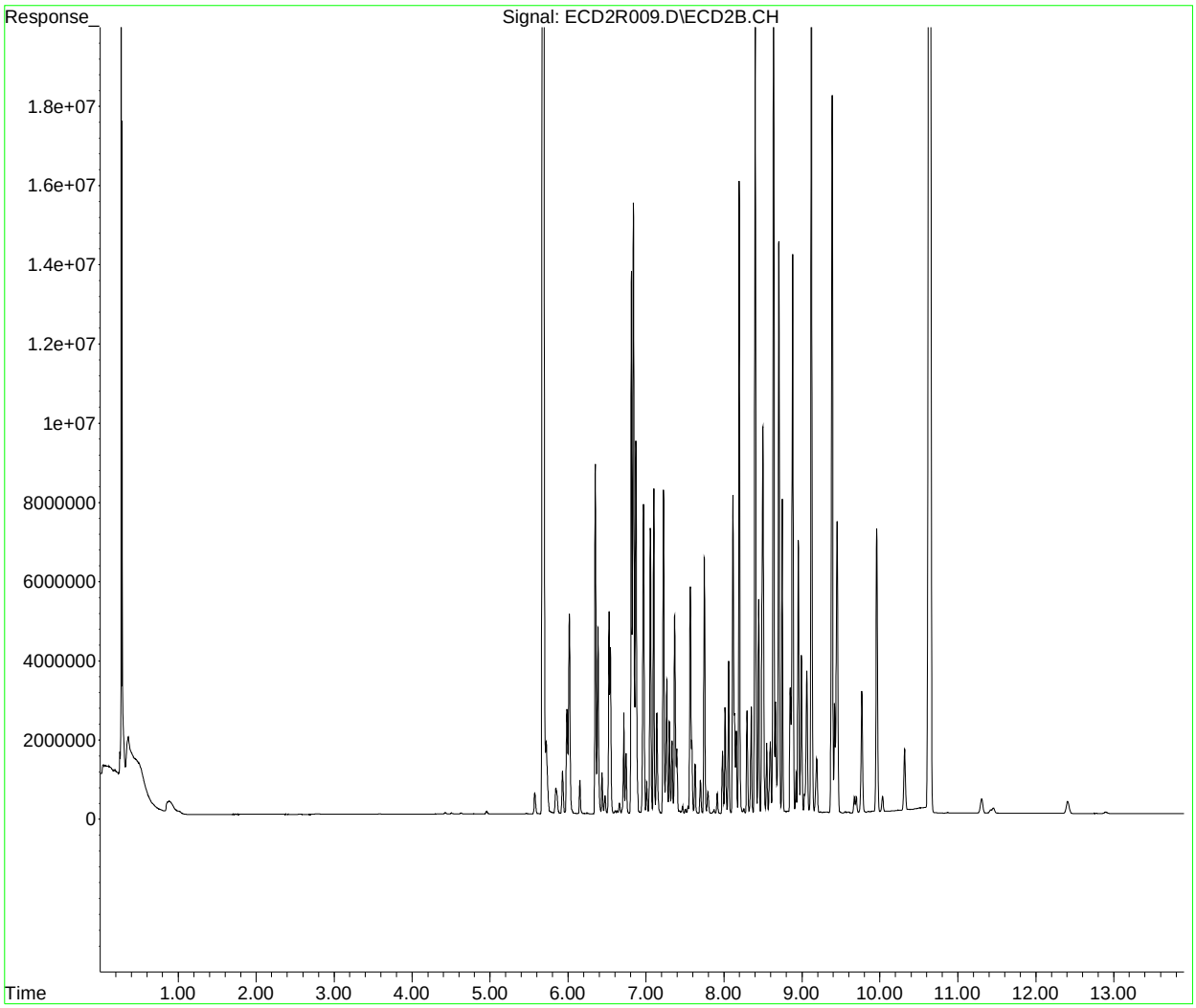
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 8:49
Operator : MJB / KAK
Sample : 0F30023-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:53:25 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:06
Operator : MJB / KAK
Sample : 0F30023-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 12:56:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.689	202054326	821.990	ng/ml
64) S	DCBP (S)	10.640	126591351	1093.023	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.353	12818710	1534.758	ng/ml
3)	Aroclor 1016 (2)	6.841	24429829	1742.713	ng/ml
4)	Aroclor 1016 (3)	6.967	11264386	1595.331	ng/ml
5)	Aroclor 1016 (4)	7.055	10873117	1626.535	ng/ml
6)	Aroclor 1016 (5)	7.100	12078898	1602.855	ng/ml
7)	Aroclor 1016 (6)	7.225	12130138	1589.333	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 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:06
Operator : MJB / KAK
Sample : 0F30023-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:56:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.196	23969056	1665.148	ng/ml
44)	Aroclor 1260 (2)	8.402	30166231	1738.411	ng/ml
45)	Aroclor 1260 (3)	8.634	30722143	1773.741	ng/ml
46)	Aroclor 1260 (4)	9.122	52362530	1990.158	ng/ml
47)	Aroclor 1260 (5)	9.384	29104650	1982.834	ng/ml
48)	Aroclor 1260 (6)	9.959	10666398	1782.568	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:06
Operator : MJB / KAK
Sample : 0F30023-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:56:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

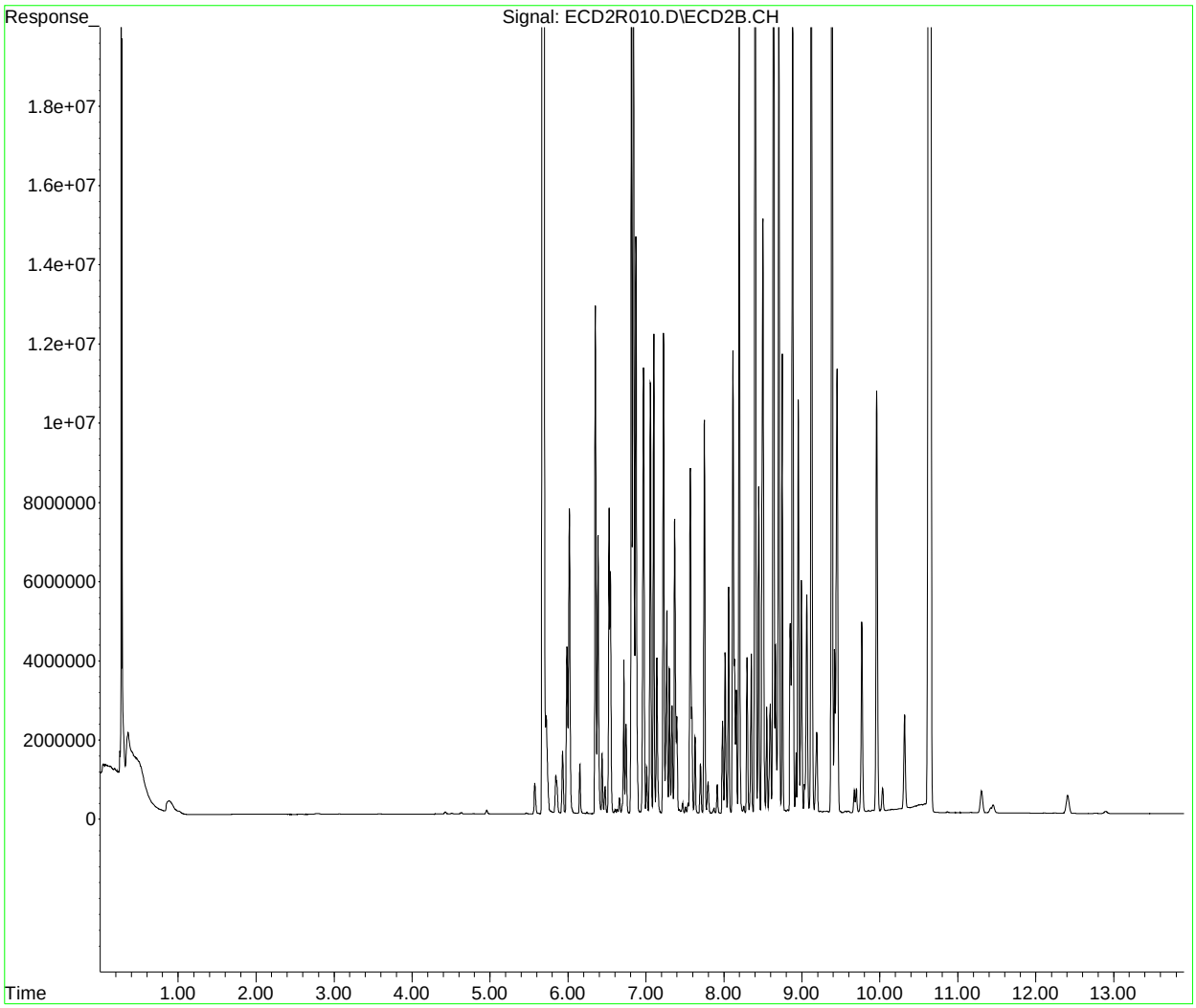
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:06
Operator : MJB / KAK
Sample : 0F30023-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:56:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:45:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:59
Operator : MJB / KAK
Sample : 0F30023-CAL8
Misc :
ALS Vial : 61 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 12:58:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:57:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	5.858	1200231	569.970	ng/ml
10)	Aroclor 1221 (2)	5.930	1158018	559.263	ng/ml
11)	Aroclor 1221 (3)	6.017	3797203	554.380	ng/ml
12)	Aroclor 1221 (4)	6.526	774626	534.160	ng/ml
13)	Aroclor 1221 (5)	6.841	581515	572.480	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:59
Operator : MJB / KAK
Sample : 0F30023-CAL8
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:58:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:57:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:59
Operator : MJB / KAK
Sample : 0F30023-CAL8
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:58:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:57:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

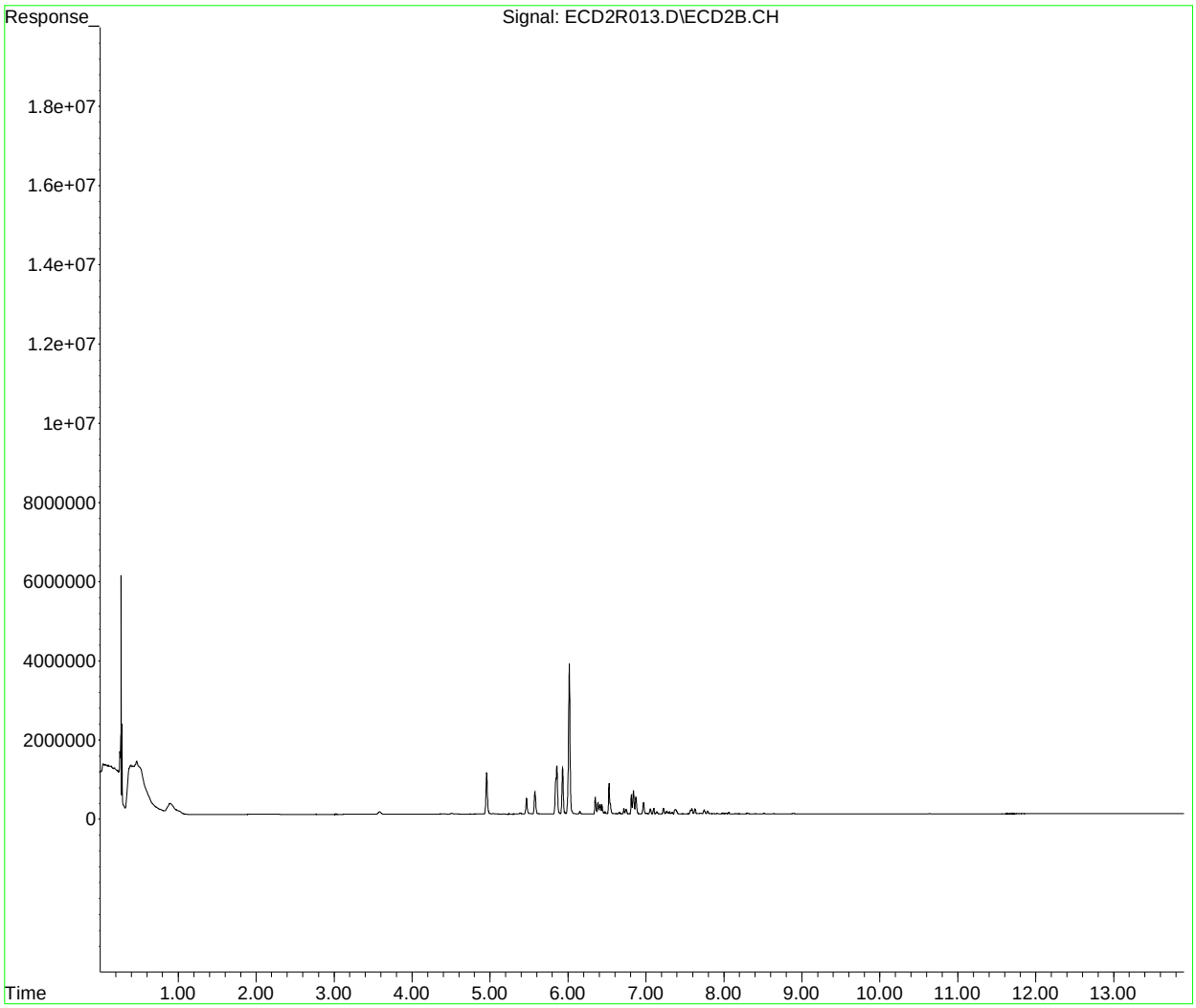
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 9:59
Operator : MJB / KAK
Sample : 0F30023-CAL8
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 12:58:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:57:10 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:17
Operator : MJB / KAK
Sample : 0F30023-CAL9
Misc :
ALS Vial : 62 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:00:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:58:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	6.017	3043700	530.444	ng/ml
16)	Aroclor 1232 (2)	6.353	1948913	544.306	ng/ml
17)	Aroclor 1232 (3)	6.841	3154892	538.325	ng/ml
18)	Aroclor 1232 (4)	7.056	1292229	557.414	ng/ml
19)	Aroclor 1232 (5)	7.101	1542586	553.138	ng/ml
20)	Aroclor 1232 (6)	7.226	1559983	546.630	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Data Path : K:\DATA\0F30023\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:17
Operator : MJB / KAK
Sample : 0F30023-CAL9
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:00:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:58:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:17
Operator : MJB / KAK
Sample : 0F30023-CAL9
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:00:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:58:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

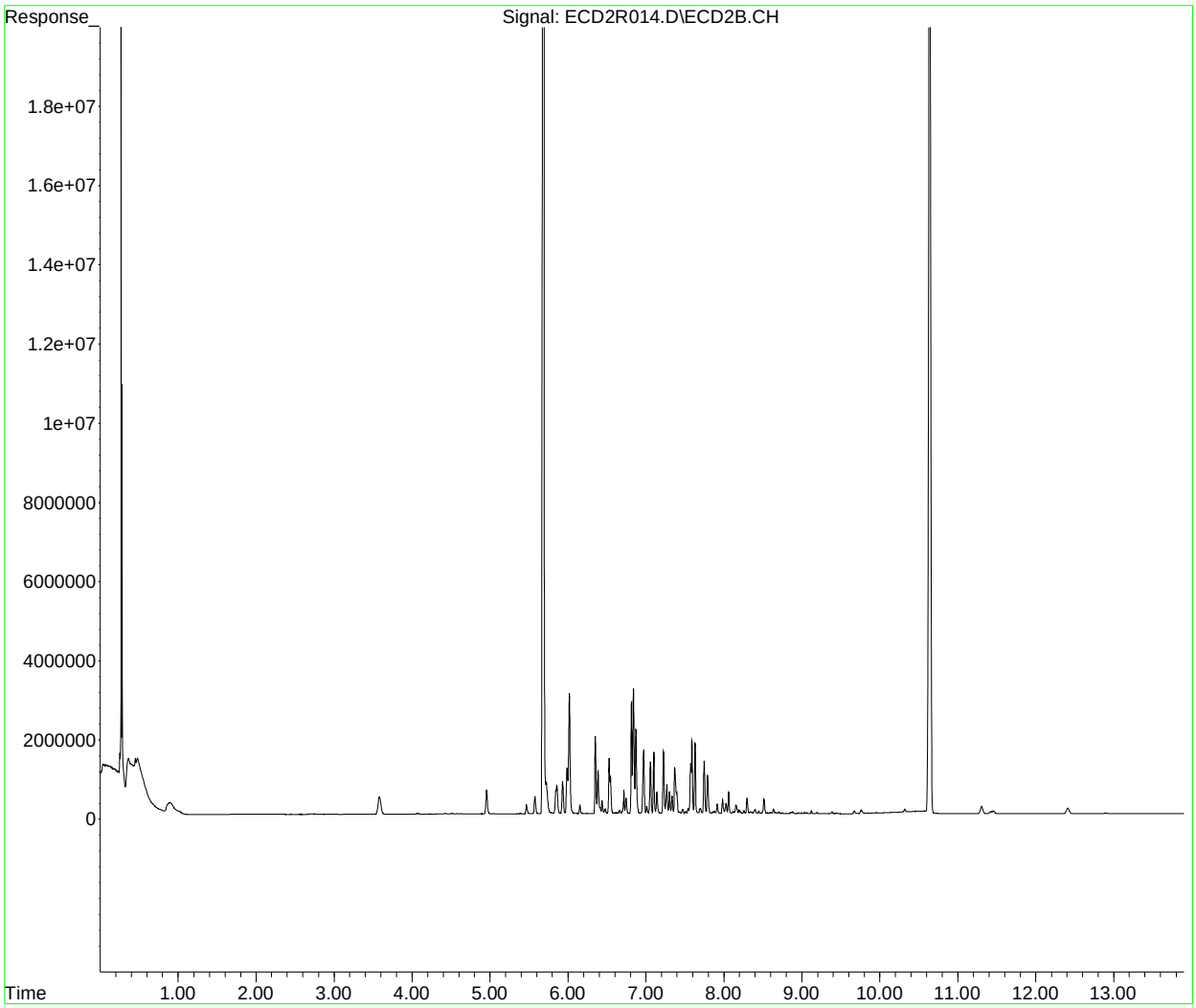
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:17
Operator : MJB / KAK
Sample : 0F30023-CAL9
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:00:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 12:58:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:34
Operator : MJB / KAK
Sample : 0F30023-CALA KAK 6/30/2020
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:02:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:00:51 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	6.352	3498449	577.674	ng/ml
23)	Aroclor 1242 (2)	6.841	6038906	594.675	ng/ml
24)	Aroclor 1242 (3)	6.967	2940395	560.195	ng/ml
25)	Aroclor 1242 (4)	7.055	2650233	570.830	ng/ml
26)	Aroclor 1242 (5)	7.100	3182640	594.880	ng/ml

Data Path : K:\DATA\0F30023\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:34
Operator : MJB / KAK
Sample : 0F30023-CALA
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:02:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:00:51 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.225	3133941	~~577.256~~	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:34
Operator : MJB / KAK
Sample : 0F30023-CALA
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:02:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:00:51 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

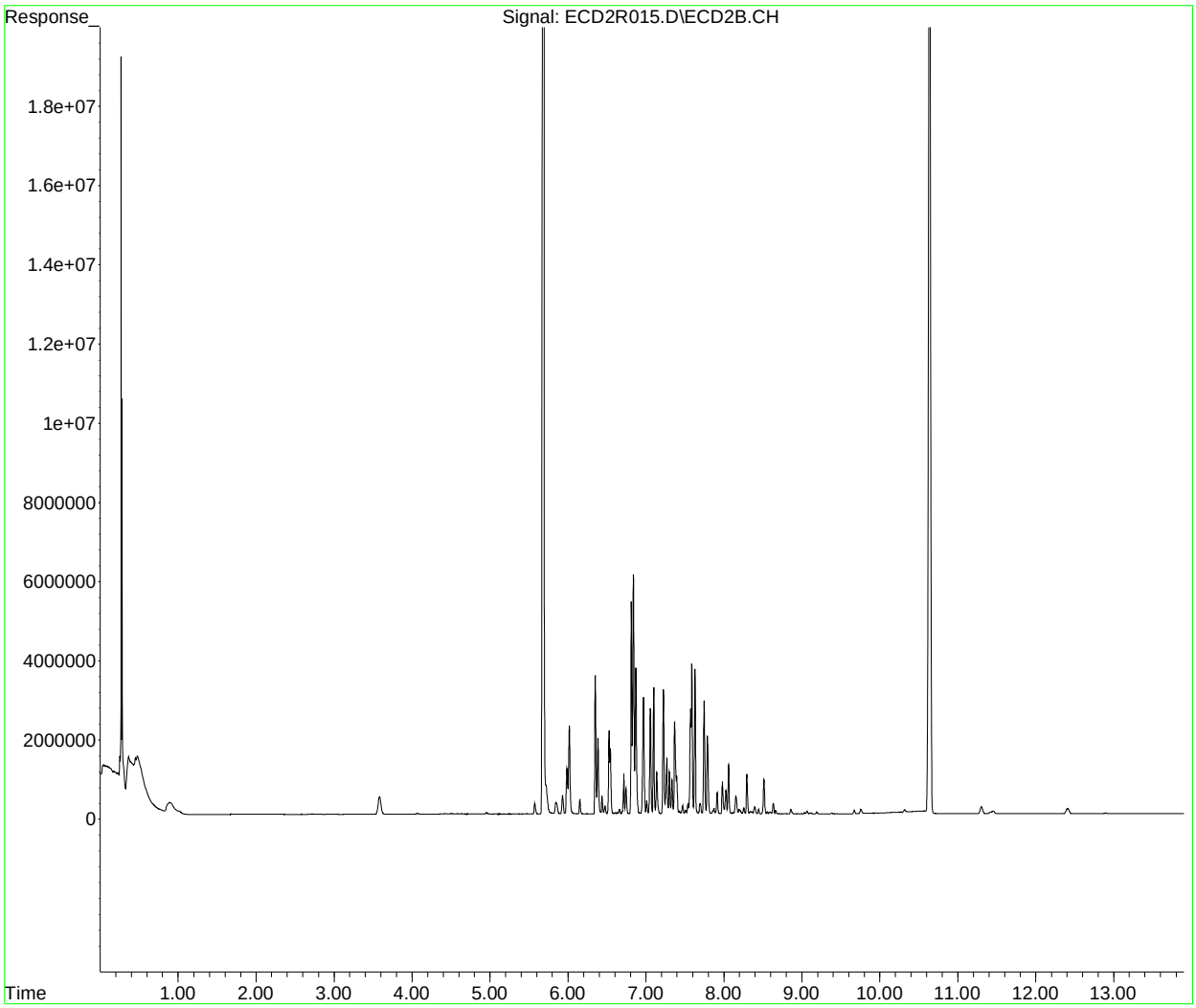
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:34
Operator : MJB / KAK
Sample : 0F30023-CALA
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:02:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:00:51 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:52
Operator : MJB / KAK
Sample : 0F30023-CALB
Misc :
ALS Vial : 64 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:05:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:04:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:52
Operator : MJB / KAK
Sample : 0F30023-CALB
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:05:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:04:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	6.813	3958250	551.544	ng/ml
30)	Aroclor 1248 (2)	7.055	4911565	557.801	ng/ml
31)	Aroclor 1248 (3)	7.099	4631358	559.800	ng/ml
32)	Aroclor 1248 (4)	7.224	5524970	565.368	ng/ml
33)	Aroclor 1248 (5)	7.588	6828731	559.484	ng/ml
34)	Aroclor 1248 (6)	7.746	5598388	564.891	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:52
Operator : MJB / KAK
Sample : 0F30023-CALB
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:05:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:04:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

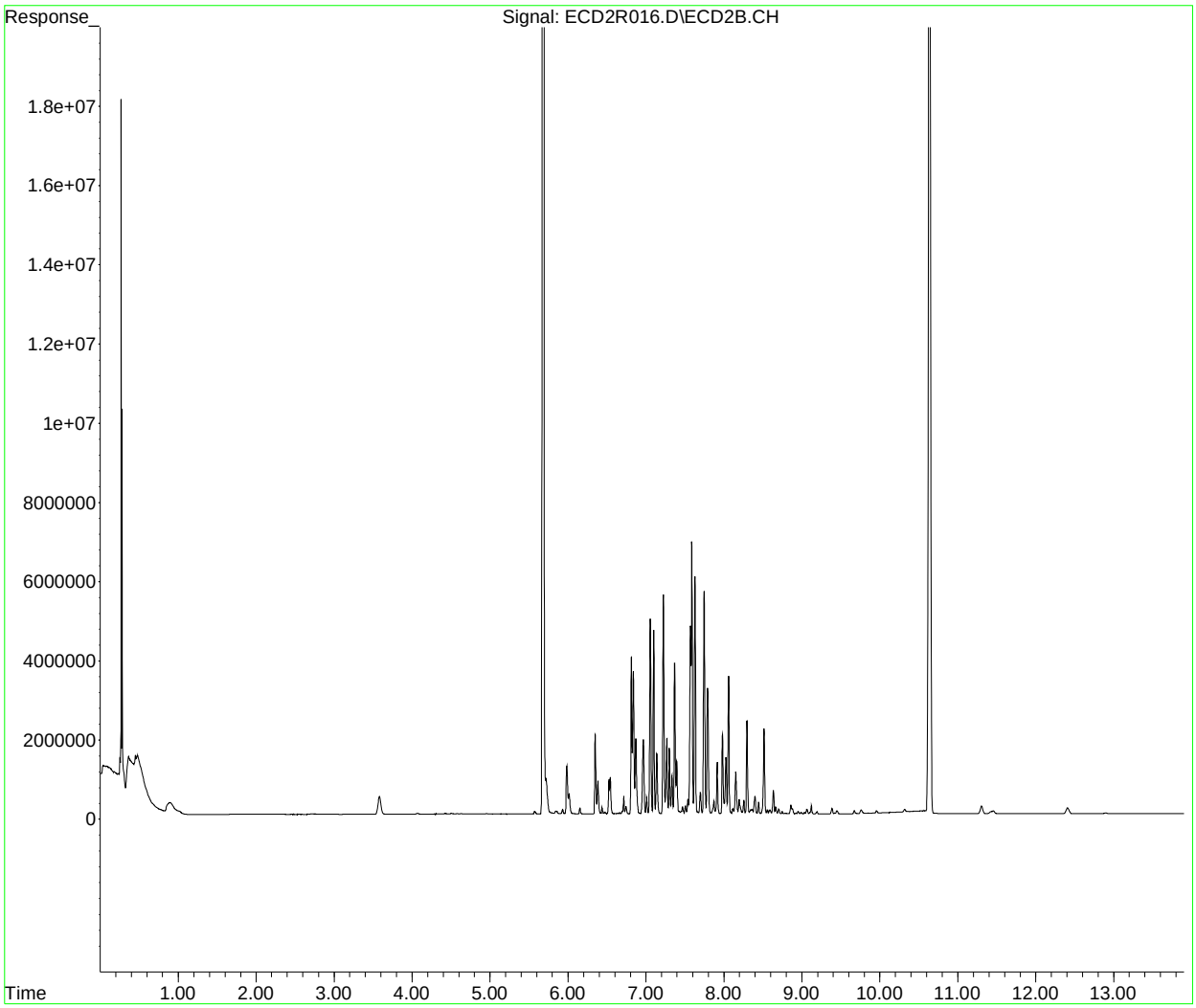
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 10:52
Operator : MJB / KAK
Sample : 0F30023-CALB
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:05:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:04:05 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:10
Operator : MJB / KAK
Sample : 0F30023-CALC
Misc :
ALS Vial : 65 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:07:32 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:06:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:10
Operator : MJB / KAK
Sample : 0F30023-CALC
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:07:32 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:06:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	7.567	6588395	559.763	ng/ml
37)	Aroclor 1254 (2)	7.749	10183144	596.106	ng/ml
38)	Aroclor 1254 (3)	8.058	11110466	589.034	ng/ml
39)	Aroclor 1254 (4)	8.297	8367761	584.434	ng/ml
40)	Aroclor 1254 (5)	8.632	8246587	565.233	ng/ml
41)	Aroclor 1254 (6)	8.862	2579517	609.301	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:10
Operator : MJB / KAK
Sample : 0F30023-CALC
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:07:32 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:06:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

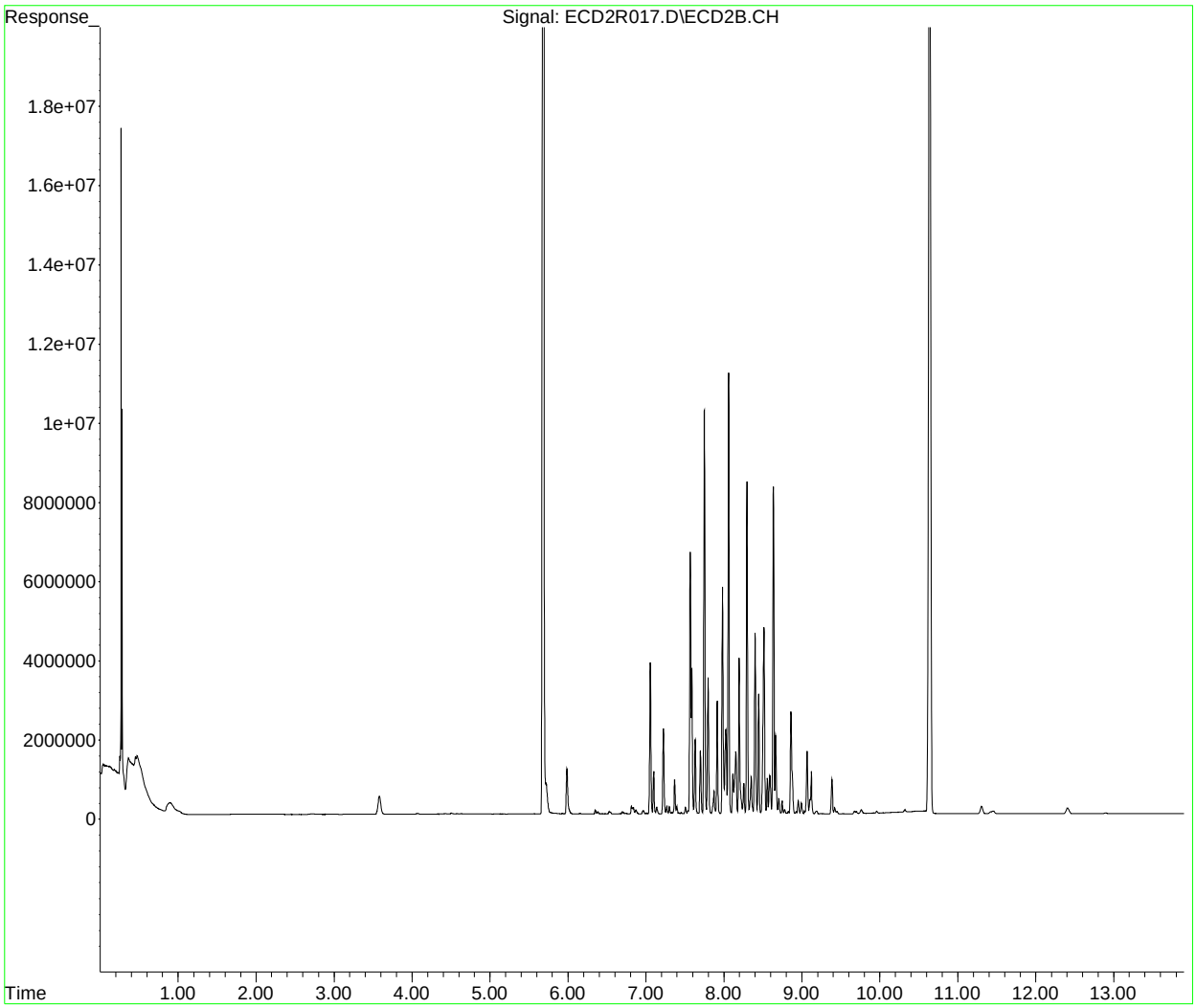
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:10
Operator : MJB / KAK
Sample : 0F30023-CALC
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:07:32 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:06:24 2020
Response via : Initial Calibration
Integrator: 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\0F30023\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:27
Operator : MJB / KAK
Sample : 0F30023-CALD KAK 6/30/2020
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:09:56 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:08:31 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
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:27
Operator : MJB / KAK
Sample : 0F30023-CALD
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:09:56 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:08:31 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
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	8.401	7548292	555.743	ng/ml
51)	Aroclor 1262 (2)	8.702	10696517	554.011	ng/ml
52)	Aroclor 1262 (3)	8.880	8386847	590.656	ng/ml
53)	Aroclor 1262 (4)	9.120	18225124	592.213	ng/ml
54)	Aroclor 1262 (5)	9.384	10559287	593.241	ng/ml
55)	Aroclor 1262 (6)	9.957	4964878	592.666	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:27
Operator : MJB / KAK
Sample : 0F30023-CALD
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:09:56 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:08:31 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
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

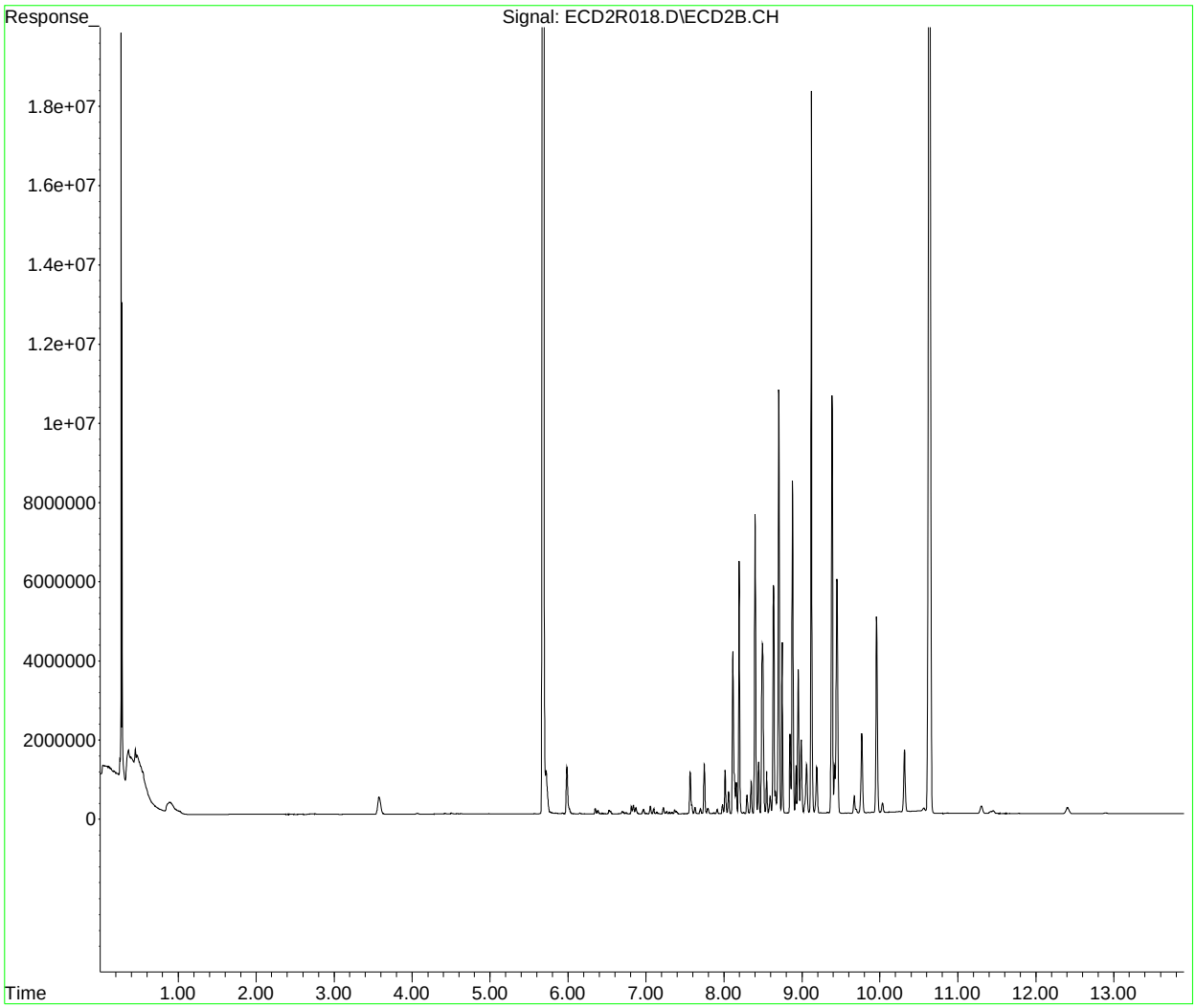
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:27
Operator : MJB / KAK
Sample : 0F30023-CALD
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:09:56 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:08:31 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\0F30023\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:45
Operator : MJB / KAK
Sample : 0F30023-CALE
Misc :
ALS Vial : 67 Sample Multiplier: 1

KAK 6/30/2020

Integration File: events.e
Quant Time: Jun 30 13:12:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:10:54 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
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:45
Operator : MJB / KAK
Sample : 0F30023-CALE
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:12:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:10:54 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
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	8.922	4677192	562.173	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:45
Operator : MJB / KAK
Sample : 0F30023-CALE
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:12:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:10:54 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
58)	Aroclor 1268 (2)	9.386	19628565	589.127	ng/ml
59)	Aroclor 1268 (3)	9.452	16168430	580.923	ng/ml
60)	Aroclor 1268 (4)	9.670	13460111	582.946	ng/ml
61)	Aroclor 1268 (5)	9.959	5422924	582.279	ng/ml
62)	Aroclor 1268 (6)	10.318	35984114	576.071	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

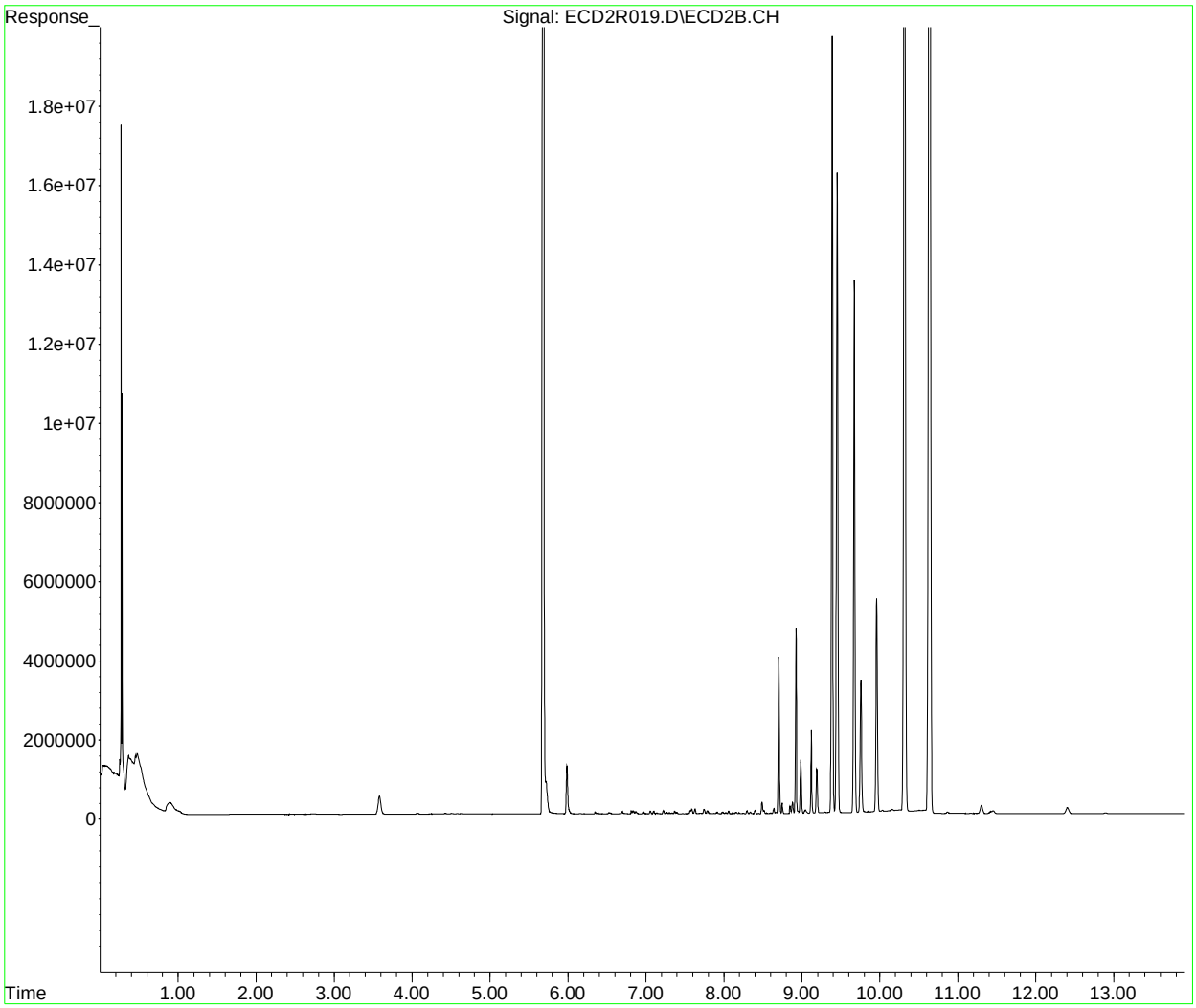
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0F30023\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 30 Jun 2020 11:45
Operator : MJB / KAK
Sample : 0F30023-CALE
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jun 30 13:12:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200630.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jun 30 13:10:54 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



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

Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Batch 0070206
Sequence 0G09046 (A0F0667-01RE3,02RE3)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0070206 (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
	0070206-BLK1		QC	07/07/20 12:49	11	10				100					
	0070206-BS1		QC	07/07/20 12:49	10	10	A20E221		100	100					
	A0F0647-01RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.1	10				100	PDI-149SC-A-01-02-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB			
	0070206-DUP1		QC	07/07/20 12:49	10.15	10		A0F0647-01RE3		100					
	A0F0647-02RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.02	10				100	PDI-149SC-A-02-03-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB			
	A0F0647-03RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.35	10				100	PDI-150SC-A-08-09-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB			
	A0F0647-04RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.4	10				100	PDI-150SC-A-09-10-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB			
	A0F0667-01RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.03	20				100	PDI-063SC-A-06-07-200429	MS was not spiked. Re-extract added 7/7/2020 by MJB			
	A0F0667-02RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.39	10				100	PDI-063SC-A-07-08-200429	MS was not spiked. Re-extract added 7/7/2020 by MJB			
	A0F0670-01RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.11	10				100	PDI-166SC-A-08-09-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB			
	A0F0670-02RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.72	10				100	PDI-166SC-A-09-10-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB			
	0070206-MS1		QC	07/07/20 12:49	10.72	10	A20E221	A0F0670-02RE3	100	100					
	A0F0670-03RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.25	10				100	PDI-166SC-A-10-11.2-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20A032	06/30/23	n-Hexane Lot# 197051
A20F399	12/23/20	DCM CHEM PROD. DY942-US

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E221	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20G026	12/12/20	8082 PCB Surrogate Spike

From 0070145 on 7/8/2020 by gwh

Prepared By: Date

MJB Reviewed By: 7/10/20 Date

MJB 7/10/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0070206 (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	0070206-BLK1		QC	07/07/20 12:49	11	5/10				100		1mL 2mL			
4	0070206-BS1		QC	07/07/20 12:49	10	5/10	A20E221		100	100		1mL 2mL			
5	A0F0647-01RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.1	5/10				100	PDI-149SC-A-01-02-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL		(S)	
6	0070206-DUP1		QC	07/07/20 12:49	10.15	5/10		A0F0647-01RE3		100		1mL 2mL		(S)	
7	A0F0647-02RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.02	5/10				100	PDI-149SC-A-02-03-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL			
8	A0F0647-03RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.35	5/10				100	PDI-150SC-A-08-09-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL			
9	A0F0647-04RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.4	5/10				100	PDI-150SC-A-09-10-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL			
10	A0F0667-01RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.03	5/20				100	PDI-063SC-A-06-07-200429	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL		(S)	P
11	A0F0667-02RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.39	5/10				100	PDI-063SC-A-07-08-200429	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL			
12	A0F0670-01RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.11	5/10				10.11	PDI-166SC-A-08-09-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL			
13	A0F0670-02RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.72	5/10				100	PDI-166SC-A-09-10-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL			
14	0070206-MS1		QC	07/07/20 12:49	10.72	5/10	A20E221	A0F0670-02RE3	100	100		1mL 2mL			
15	A0F0670-03RE3	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	10.25	5/10				100	PDI-166SC-A-10-11.2-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB 2mL		(S)	

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20A032	06/30/23	n-Hexane Lot# 197051
A20F399	12/23/20	DCM CHEM PROD. DY942-US

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E221	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20G026	12/12/20	8082 PCB Surrogate Spike

From 0070145 on 7/8/2020 by gwh

P=precipitate formed during solvent exchange. AJJ 7-9-20

On GPC #2

(S)=staining on turbovap tube during solvent exchange. AJJ 7-9-20

Prepared By: AJJ — Date: 7/8/20 — 7-9-20

Reviewed By: cas — Date: 07/09/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0070145 (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
	0070145-BLK1		QC	07/07/20 12:49	~~10~~ 11	5				100					
	0070145-BS1		QC	07/07/20 12:49	10	5	A20E221		100	100					
	A0F0647-01RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.10	5				100	PDI-149SC-A-01-02-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB soil # soil IV			
	0070145-DUP1		QC	07/07/20 12:49	~~10~~ 10.15	5		A0F0647-01RE2		100					
	A0F0647-02RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.02	5				100	PDI-149SC-A-02-03-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB soil, org			
	A0F0647-03RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.35	5				100	PDI-150SC-A-08-09-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB soil			
	A0F0647-04RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.40	5				100	PDI-150SC-A-09-10-200425	MS was not spiked. Re-extract added 7/7/2020 by MJB soil			
	A0F0667-01RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.03	5				100	PDI-063SC-A-06-07-200429	MS was not spiked. Re-extract added 7/7/2020 by MJB mud			
	A0F0667-02RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.39	5				100	PDI-063SC-A-07-08-200429	MS was not spiked. Re-extract added 7/7/2020 by MJB mud			
	A0F0670-01RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.11	5				100	PDI-166SC-A-08-09-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB soil, org			
	A0F0670-02RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.72	5				100	PDI-166SC-A-09-10-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB soil, org			
	0070145-MS1		QC	07/07/20 12:49	~~10~~ 10.72	5	A20E221	A0F0670-02RE2	100	100		soil, org			
	A0F0670-03RE2	A	8081B 2,4+4,4-DDx Only (+Add)	07/07/20 12:49	~~10~~ 10.25	5				100	PDI-166SC-A-10-11.2-200520	MS was not spiked. Re-extract added 7/7/2020 by MJB soil, org			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20B017	08/01/20	Glass Wool
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F299	12/16/20	DCM Fisher #186806

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E221	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike

CAM

Surrogate(s)

Std ID	Exp. Date	Description
A20G026	12/12/20	8082 PCB Surrogate Spike

CAM

Method 3546 digestion time and temperture achieved.
Initial: JAG

= staining on terbacap.

Witness: cas 07/07/2020

CAM 7/7/20
Prepared By: Date

cas 07/07/2020
Reviewed By: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**0G09046**	Instrument:	**DUALECD8**
Date:	**07/09/20 11:17**	Calibration:	**A0F0804**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0G09046-BKD1	Sediment	QC	QC				A20E203
2	0G09046-CCV1	Sediment	QC	QC				A20E232
3	0G09046-CCV2	Sediment	QC	QC				A20C358
4	0G09046-CCB1	Sediment	QC	QC				A20F379
5	0070206-BLK1	Sediment	QC	QC		0070206		
6	0070206-BS1	Sediment	QC	QC		0070206		
7	A0F0647-03RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
8	A0F0647-04RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
9	A0F0670-03RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
10	A0F0670-01RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
11	0G09046-IBL1	Sediment	QC	QC				
12	A0F0667-02RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
13	0G09046-IBL2	Sediment	QC	QC				
14	0G09046-CCV3	Sediment	QC	QC				A20E233
15	0G09046-CCV4	Sediment	QC	QC				A20C359
16	0G09046-CCB2	Sediment	QC	QC				A20F379
17	A0F0647-01RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
18	0G09046-IBL3	Sediment	QC	QC				
19	0070206-DUP1	Sediment	QC	QC		0070206		
20	0G09046-IBL4	Sediment	QC	QC				
21	A0F0647-02RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
22	0G09046-IBL5	Sediment	QC	QC				
23	A0F0667-01RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
24	0G09046-IBL6	Sediment	QC	QC				
25	A0F0670-02RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	07/08/20	0070206		
26	0G09046-IBL7	Sediment	QC	QC				
27	0070206-MS1	Sediment	QC	QC		0070206		
28	0G09046-IBL8	Sediment	QC	QC				
29	0G09046-CCV5	Sediment	QC	QC				A20E232
30	0G09046-CCV6	Sediment	QC	QC				A20C358
31	0G09046-CCB3	Sediment	QC	QC				A20F379
32	0G09046-IBL9	Sediment	QC	QC				
33	0G09046-IBLA	Sediment	QC	QC				

Comments:

Data Entered By/Date: MJB 7/10/20

Data Reviewed By/Date: MKZ 7/10/2020

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0G09046 BKD1
Data File: ECD8-07092003.D

MJB 7/10/20

First Column Area Counts		Percent Breakdown	
DDE	22939489		
DDD	92587492		
DDT	2311885072	**4.76**	**PASS**
Endrin	1329775764	**19.39**	**FAIL**
Endrin Aldehyde	162482859		
Endrin Ketone	157407831		

DDx Only

Second Column Area Counts		Percent Breakdown	
DDE	19241230		
DDD	78939357		
DDT	2208903308	**4.26**	**PASS**
Endrin	1088679491	**19.01**	**FAIL**
Endrin Aldehyde	131131589		
Endrin Ketone	124450931		

Breakdown must be less than 15% to accept sample data.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:03
Operator : MJB
Sample : 0G09046-BKD1
Misc : A20E203
ALS Vial : 2 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 10:53:01 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200606RT6.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation

RT Update

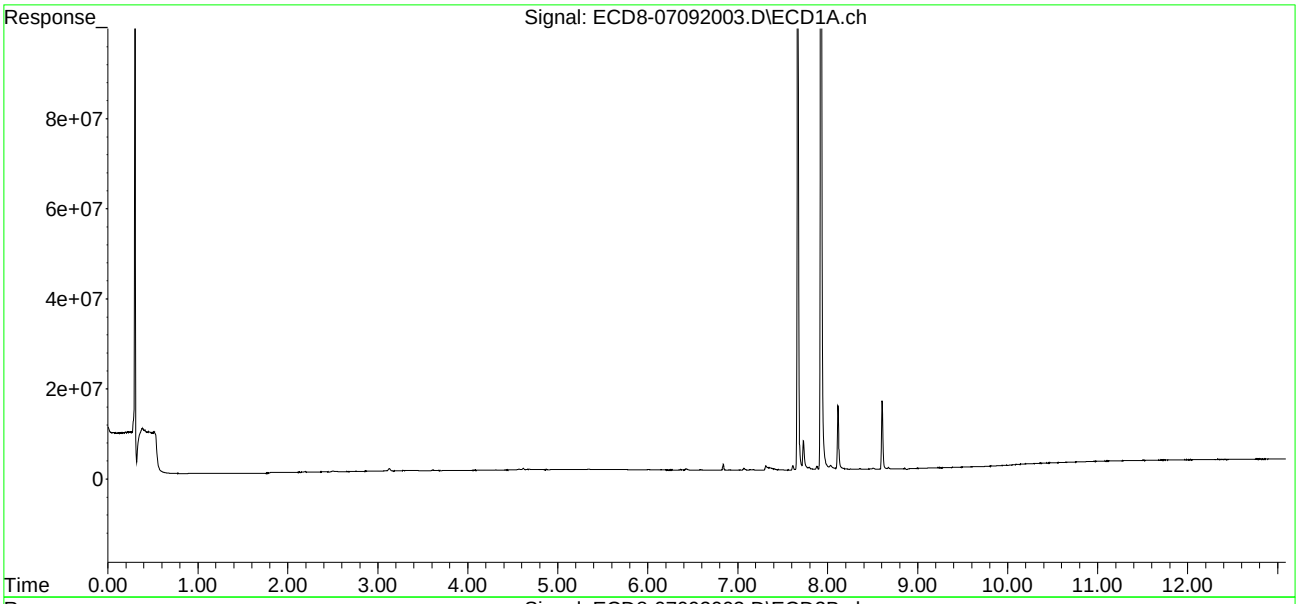
	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.312	22939489	NoCal	ng/mL
2)	Endrin	7.667	1329775764	NoCal	ng/mL
3)	4,4'-DDD	7.730	92587492	NoCal	ng/mL
4)	4,4'-DDT	7.925	2311885072	NoCal	ng/mL
5)	Endrin Aldehyde	8.113	162482859	NoCal	ng/mL
6)	Endrin Ketone	8.605	157407831	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.040	19241230	NoCal	ng/mL
9)	Endrin [2C]	8.393	1088679491	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.453	78939357	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.780	131131589	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.676	2208903308	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.365	124450931	NoCal	ng/mL

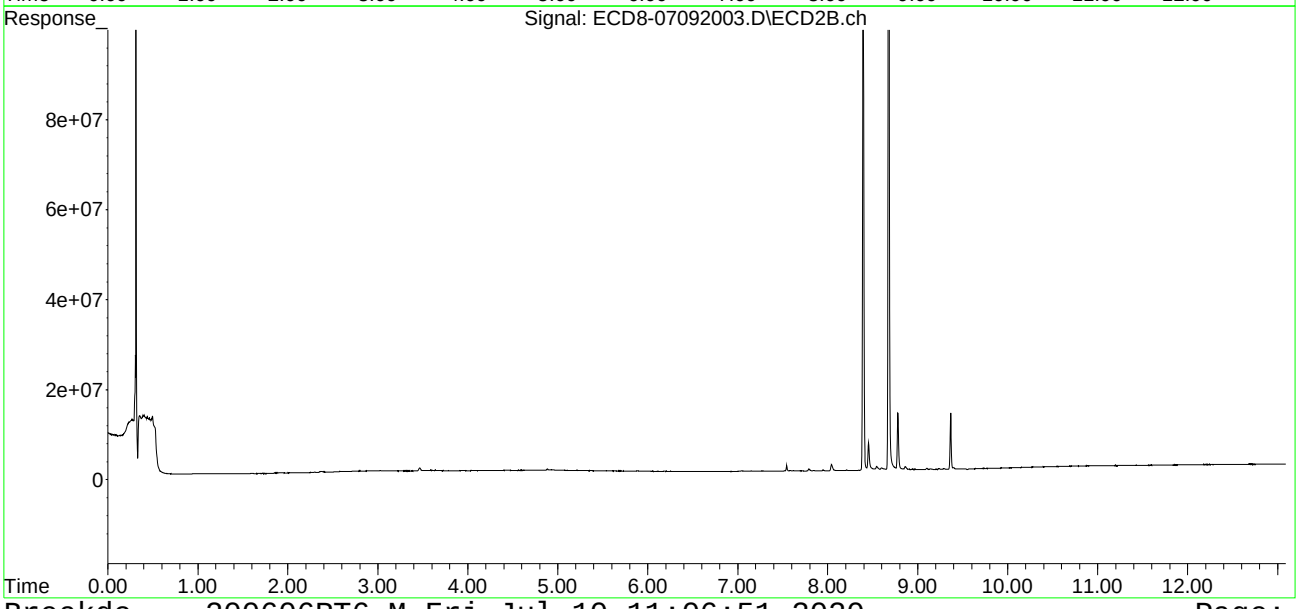
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:03
Operator : MJB
Sample : 0G09046-BKD1
Misc : A20E203
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 10:53:01 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200606RT6.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:26
Operator : MJB
Sample : 0G09046-CCV1
Misc : A20E232, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:19:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

RT Update

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.116	5.677	182.0E6	158.1E6	49.905	44.536	
22) S	DCBP (S)	9.321	10.204	136.1E6	120.2E6	47.538	50.364	
	Target Compounds							
2)	a-BHC	5.654	6.283	248.4E6	216.0E6	50.965	45.324	
3)	g-BHC	5.936	6.601	204.7E6	193.4E6	47.938	45.296	
4)	b-BHC	6.014	6.671	76888590	73041431	42.643	39.960	
5)	Heptachlor	6.345	6.969	184.8E6	174.0E6	46.752	41.057	
6)	d-BHC	6.162	6.923	171.6E6	164.8E6	46.549	41.495	
7)	Aldrin	6.583	7.231	210.6E6	194.0E6	48.852	48.386	
8)	Heptachlo...	7.045	7.672	191.1E6	173.7E6	48.343	46.150	
9)	trans-Chl...	7.141	7.812	184.1E6	172.3E6	45.762	45.119	
10)	cis-Chlor...	7.238	7.919	184.2E6	169.9E6	48.994	45.594	
11)	Endosulfa...	7.333	7.967	184.3E6	156.8E6	50.067	46.233	
12)	4,4'-DDE	7.310	8.037	182.8E6	171.9E6	49.882	47.982	
13)	Dieldrin	7.505	8.167	199.1E6	185.5E6	49.332	48.105	
14)	Endrin	7.668	8.392	143.7E6	121.5E6	42.596	41.093	
15)	4,4'-DDD	7.730	8.452	134.2E6	129.6E6	47.032	45.313	
16)	Endosulfa...	7.824	8.542	153.4E6	142.6E6	50.419	47.154	
17)	4,4'-DDT	7.926	8.676	113.7E6	117.9E6	46.354	43.447	
18)	Endrin Al...	8.114	8.780	145.1E6	137.0E6	51.930	47.357	
19)	Endosulfa...	8.415	8.971	145.5E6	124.2E6	49.275	41.872	
20)	Methoxychlor	8.272	9.162	55202193	60166771	48.481	46.264	
21)	Endrin Ke...	8.607	9.366	186.8E6	165.8E6	52.370	49.364	
23)	Hexachlor...	2.877	3.399f	16660	18021	BelowCal	BelowCal	
24)	Hexachlor...	5.496	0.000	490348	0	BelowCal	N.D.	
25)	Oxychlordane	6.983	7.612	830171	22787	0.068	BelowCal	#
26)	2,4'-DDE	7.045	7.812	191.1E6	172.3E6	79.827	74.282	
27)	trans-Non...	7.238	7.869	184.2E6	1007751	52.316	0.053	#
28)	2,4'-DDD	7.423	8.205	952208	798272	0.310	0.384	
29)	2,4'-DDT	7.610	8.392	932062	121.5E6	0.339	59.051	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:26
Operator : MJB
Sample : 0G09046-CCV1
Misc : A20E232, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:19:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

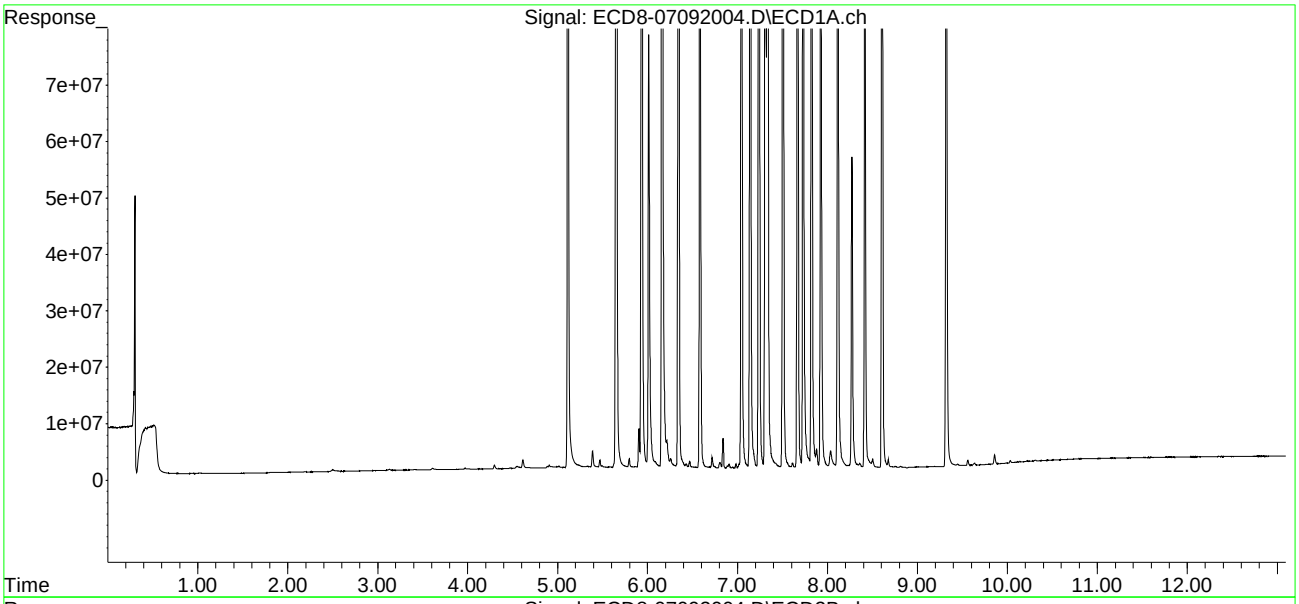
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.730f	8.452	134.2E6	129.6E6	32.635	32.421	
31)	Mirex	8.359	9.366	830859	165.8E6	0.018	71.708	#
32)	Chlordane...	7.238f	7.869f	184.2E6	1007751	445.906	2.327	#
33)	Chlordane...	7.310	7.967f	182.8E6	156.8E6	355.342	429.852	
34)	Chlordane...	7.824f	8.645	153.4E6	580515	1186.694	4.867	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.310f	8.205f	182.8E6	798272	9585.013	24.327	#
37)	Toxaphene...	7.610f	8.595	932062	969950	25.946	22.777	
38)	Toxaphene...	7.877	8.595	3499325	969950	48.236	15.351	#
39)	Toxaphene...	8.114	8.676	145.1E6	117.9E6	2073.054	1113.079	#
40)	Toxaphene...	8.359	8.865	830859	4780513	15.952	81.418	#
41)	Toxaphene...	8.415	9.241	145.5E6	929511	1971.974	14.468	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

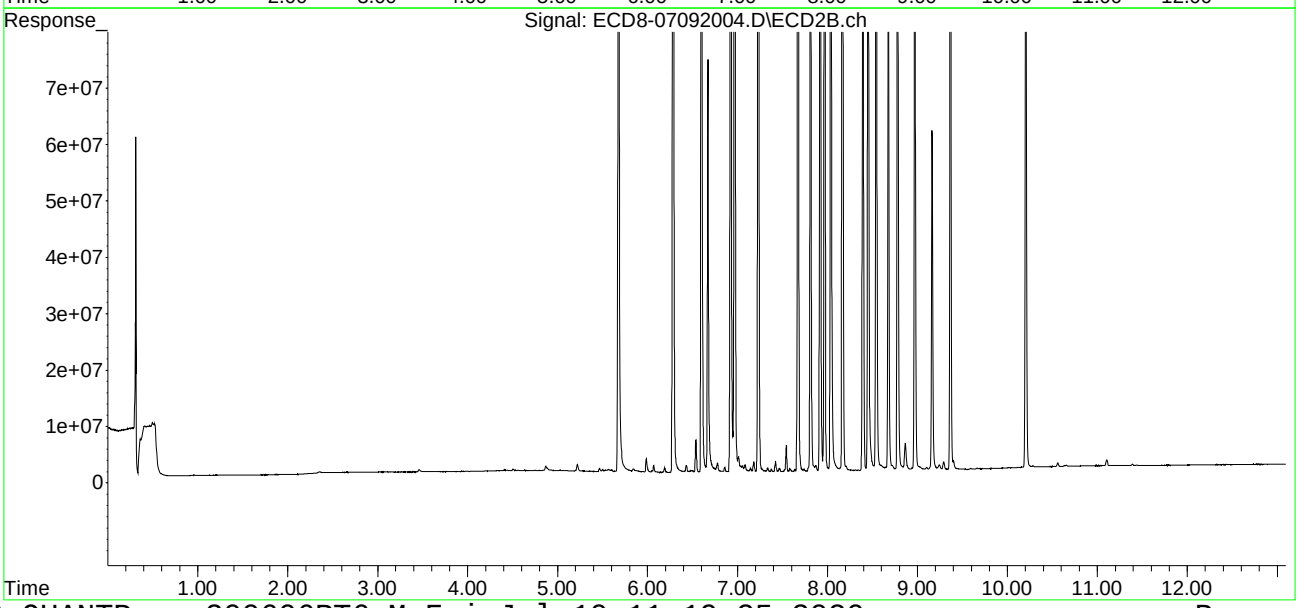
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:26
Operator : MJB
Sample : 0G09046-CCV1
Misc : A20E232, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:19:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:42
Operator : MJB
Sample : 0G09046-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:19:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.091f	5.681	2140159	59879	0.587	0.017	#
22)	S	DCBP (S)	9.320	10.204	58483	171781	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	5.906f	6.594	682737	57154	0.160	0.013	#
4)		b-BHC	6.018	6.679	137065	41081	0.076	0.022	#
5)		Heptachlor	6.344	6.971	460400	410652	0.116	0.097	
6)		d-BHC	6.141f	6.937	257847	107443	0.109	0.064	#
7)		Aldrin	6.603f	7.233	34271	91331	0.008	0.023	#
8)		Heptachlo...	7.058	0.000	99361931	0	25.142	N.D.	#
9)		trans-Chl...	7.140	7.814	2900977	95196630	0.721	24.933	#
10)		cis-Chlor...	7.230	7.920	165.8E6	6225675	44.216	1.671	#
11)		Endosulfa...	7.338	7.986	2101749	682416	0.571	0.201	#
12)		4,4'-DDE	7.319	8.030	892056	234000	0.243	0.077	#
13)		Dieldrin	7.474f	8.188f	5783598	83930072	1.433	21.769	#
14)		Endrin	7.699f	8.408	183.0E6	89460577	54.233	30.260	#
15)		4,4'-DDD	7.699f	8.441	183.0E6	175.0E6	64.142	59.624	
16)		Endosulfa...	7.849f	0.000	236127	0	0.078	N.D.	#
17)		4,4'-DDT	7.926	8.678	145950	121367	0.073	0.011	#
18)		Endrin Al...	8.123	8.785	377318	149703	BelowCal	0.052	
19)		Endosulfa...	0.000	8.972	0	45156	N.D.	0.015	#
20)		Methoxychlor	0.000	9.164	0	33269	N.D.	BelowCal	
21)		Endrin Ke...	8.613	9.350	477811	102.2E6	0.134	30.413	#
23)		Hexachlor...	2.883	3.375	170.0E6	187.9E6	44.933	42.861	
24)		Hexachlor...	5.496	6.146	156.3E6	123.4E6	49.542	40.887	
25)		Oxychlordane	6.973	7.601	151.5E6	136.0E6	47.065	44.808	
26)		2,4'-DDE	7.058	7.814	99361931	95196630	41.516	42.683	
27)		trans-Non...	7.230	7.877	165.8E6	154.3E6	47.160	45.670	
28)		2,4'-DDD	7.430	8.188	83462935	83930072	43.174	40.383	
29)		2,4'-DDT	7.611	8.408	82983599	89460577	43.575	44.567	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:42
Operator : MJB
Sample : 0G09046-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:19:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

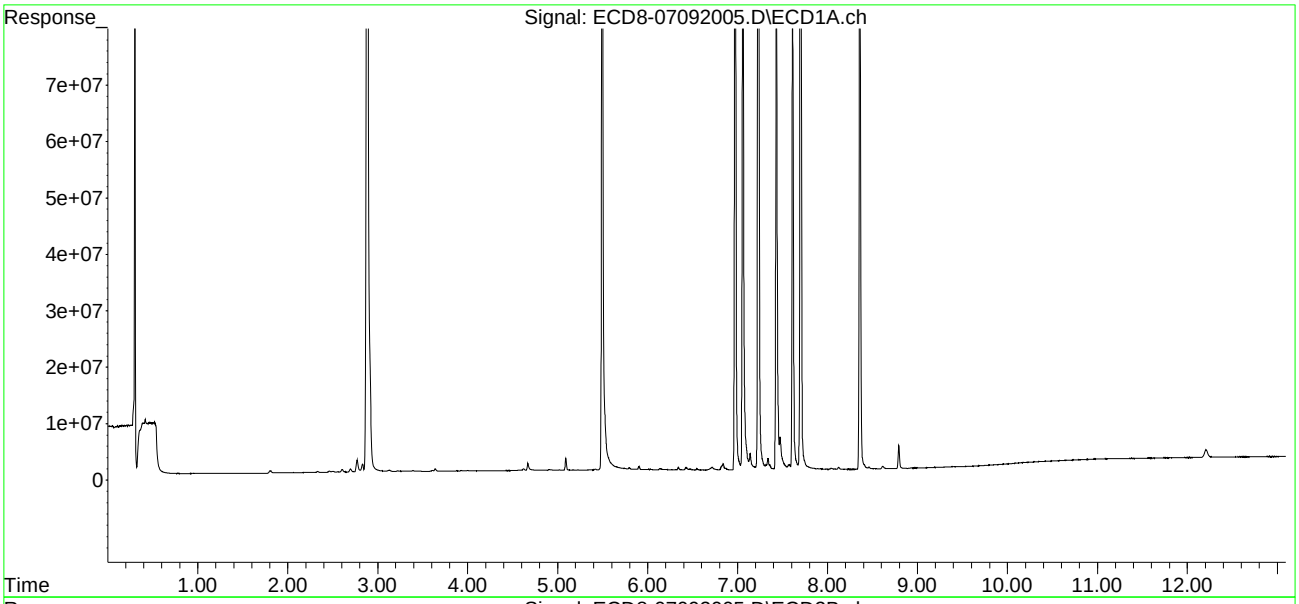
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.699	8.441	183.0E6	175.0E6	44.508	43.792	
31)	Mirex	8.359	9.350	118.6E6	102.2E6	48.155	44.594	
32)	Chlordane...	7.230f	7.877	165.8E6	154.3E6	401.288	356.157	
33)	Chlordane...	7.319	7.986	892056	682416	1.734	1.870	
34)	Chlordane...	7.849	8.650	236127	152855	1.827	1.282	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.319f	8.252f	892056	927776	52.365	28.274	#
37)	Toxaphene...	7.577	8.610f	939665	239489	26.188	5.624	#
38)	Toxaphene...	7.888	8.610	182944	239489	2.522	3.790	#
39)	Toxaphene...	8.123	8.678	377318	121367	BelowCal	BelowCal	
40)	Toxaphene...	8.359	8.874	118.6E6	61677	2277.526	1.050	#
41)	Toxaphene...	8.460f	9.236	345529	226582	4.682	3.527	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

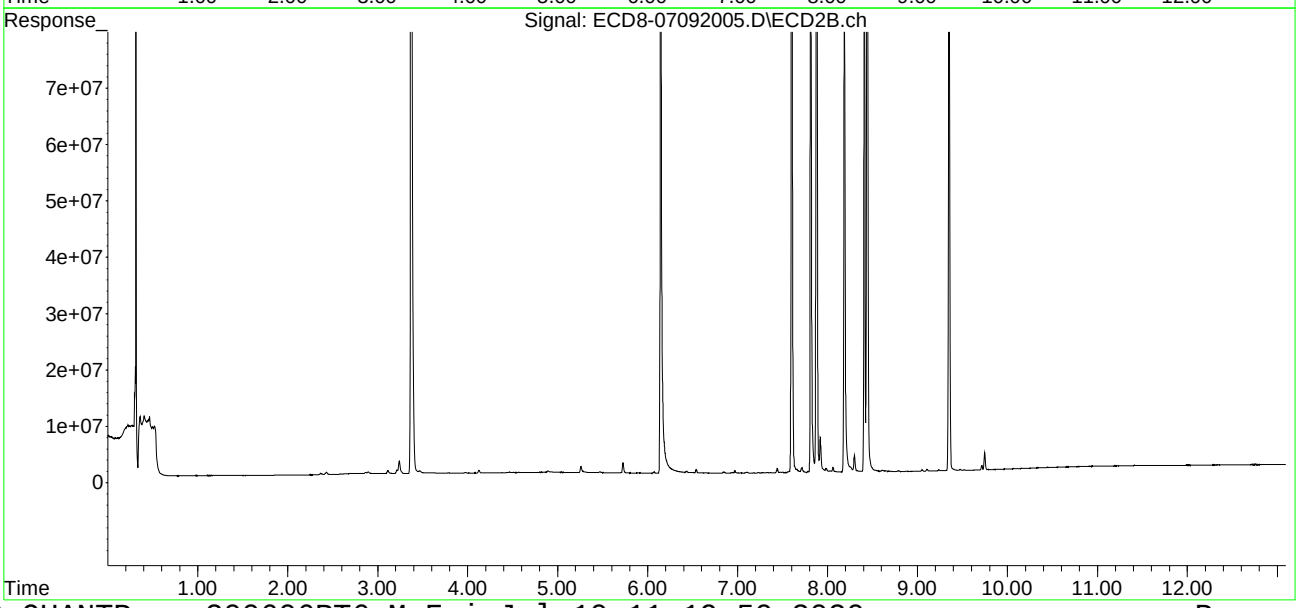
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:42
Operator : MJB
Sample : 0G09046-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:19:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:59
Operator : MJB
Sample : 0G09046-CCB1
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.116	5.681	329.1E6	288.0E6	90.221	81.123	
22)	S	DCBP (S)	9.317	10.201	256.7E6	220.0E6	89.064	89.361	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	5.953	6.588	10694	5174	0.003	0.001	#
4)		b-BHC	6.005	6.679	80861	14239	0.045	0.008	#
5)		Heptachlor	0.000	6.934f	0	29978	N.D.	0.007	#
6)		d-BHC	6.140f	6.929	24548	28836	0.040	0.043	
7)		Aldrin	6.600	7.235	64908	18442	0.015	0.005	#
8)		Heptachlo...	0.000	7.672	0	35016	N.D.	0.009	#
9)		trans-Chl...	7.139	7.814	97749	26107	0.024	0.007	#
10)		cis-Chlor...	7.237	7.921	25705	17898	BelowCal	0.005	
11)		Endosulfa...	7.295f	7.968	21527	20082	0.006	0.006	
12)		4,4'-DDE	7.295	8.041	21527	20272	0.006	0.012	#
13)		Dieldrin	7.474f	8.170	12179	14387	0.003	0.004	
14)		Endrin	7.661	8.387	17364	22254	0.005	0.008	#
15)		4,4'-DDD	7.742	8.458	49855	20630	0.017	BelowCal	#
16)		Endosulfa...	7.826	8.543	47167	28906	0.016	0.010	#
17)		4,4'-DDT	7.926	8.667	33272	32159	0.024	BelowCal	#
18)		Endrin Al...	8.115	8.783	131376	98921	BelowCal	0.034	
19)		Endosulfa...	8.415	8.970	65463	69004	0.022	0.023	
20)		Methoxychlor	8.262	9.154	132815	66066	BelowCal	BelowCal	
21)		Endrin Ke...	8.613	9.368	366510	131433	0.103	0.039	#
23)		Hexachlor...	0.000	3.395f	0	17245	N.D.	BelowCal	
24)		Hexachlor...	5.497	6.148	567896	68044	BelowCal	BelowCal	
25)		Oxychlordane	0.000	7.599	0	44512	N.D.	BelowCal	
26)		2,4'-DDE	0.000	7.814	0	26107	N.D.	BelowCal	
27)		trans-Non...	7.233	7.847f	31475	1001593	BelowCal	0.051	
28)		2,4'-DDD	0.000	8.191	0	11649	N.D.	0.006	#
29)		2,4'-DDT	7.590f	8.408	56488	56961	BelowCal	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:59
Operator : MJB
Sample : 0G09046-CCB1
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

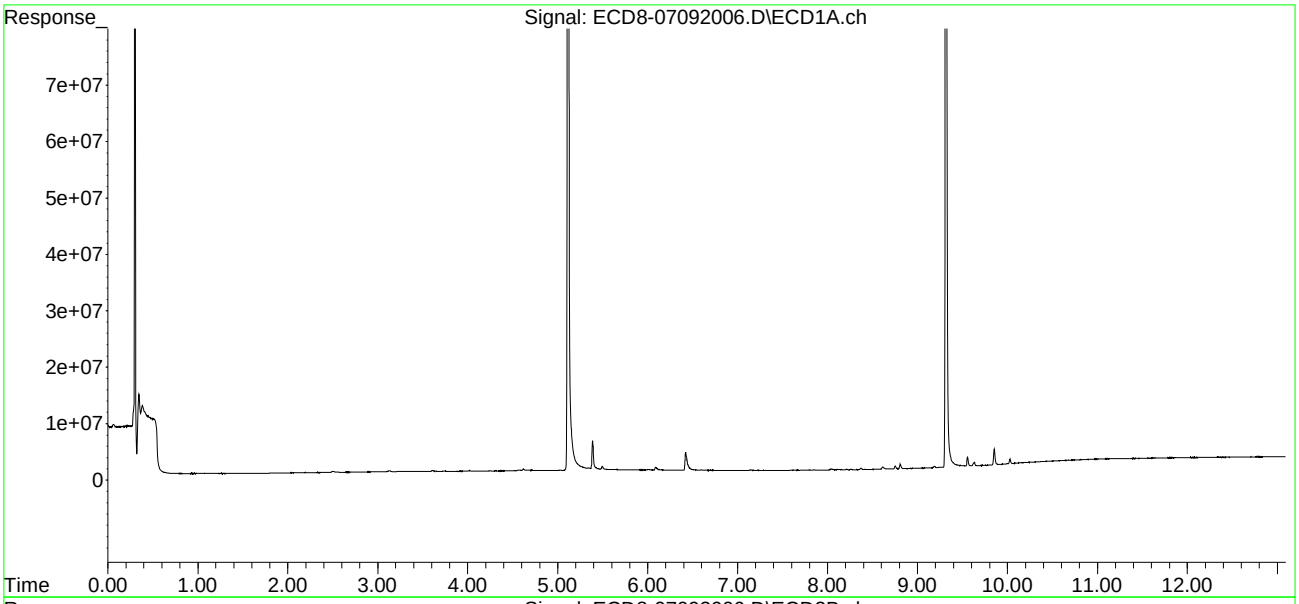
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.700	8.458	24123	20630	0.006	0.005	
31)	Mirex	8.370	9.347	273841	72486	BelowCal	BelowCal	
32)	Chlordane...	7.233f	7.921f	31475	17898	0.076	0.041	#
33)	Chlordane...	7.295	7.991	21527	17836	0.042	0.049	
34)	Chlordane...	7.850	8.667	85958	32159	0.665	0.270	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.292	8.222	25215	11651	BelowCal	0.355	
37)	Toxaphene...	7.590	8.560	56488	27464	175390.348	0.645	#
38)	Toxaphene...	7.883	8.610	26748	193650	0.369	3.065	#
39)	Toxaphene...	8.115	8.667	131376	32159	BelowCal	BelowCal	
40)	Toxaphene...	8.370	8.864	273841	32543	5.258	0.554	#
41)	Toxaphene...	8.415	9.225	65463	259378	0.887	4.037	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

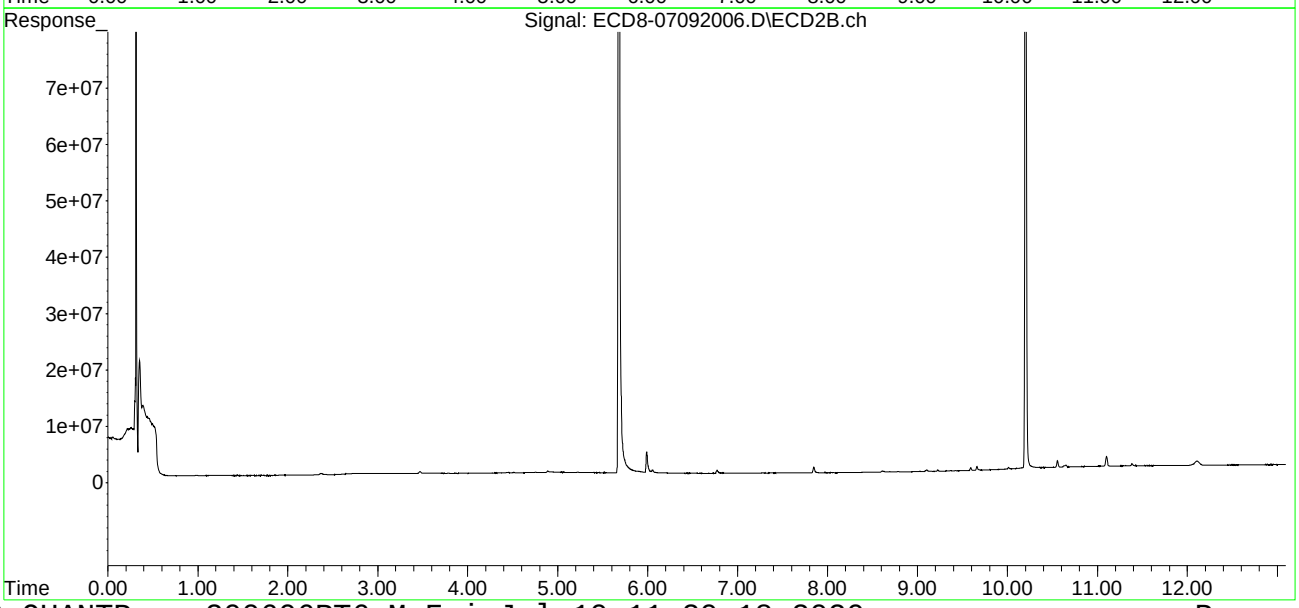
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 12:59
Operator : MJB
Sample : 0G09046-CCB1
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.115	5.680	132.4E6	122.9E6	36.301	34.618	
22)	S DCBP (S)	9.315	10.199	148.0E6	123.4E6	51.654	51.668	
	Target Compounds							
2)	a-BHC	5.658	6.311f	1220365	2678050	0.250	0.562	#
3)	g-BHC	5.937	6.589	335145	2886606	0.078	0.676	#
4)	b-BHC	6.008	6.668	651012	2812506	0.361	1.539	#
5)	Heptachlor	6.333	6.975	759429	3086523	0.192	0.728	#
6)	d-BHC	6.148	6.904	254501	3346153	0.108	0.936	#
7)	Aldrin	6.587	7.226	395098	3134338	0.092	0.782	#
8)	Heptachlo...	7.032	7.659	318418	3560078	0.081	0.946	#
9)	trans-Chl...	7.135	7.814	165671	3496904	0.041	0.916	#
10)	cis-Chlor...	7.219	7.910	434875	3430603	BelowCal	0.921	
11)	Endosulfa...	7.341	7.957	775471	4071934	0.211	1.200	#
12)	4,4'-DDE	7.287f	8.048	630835	959088	0.172	0.296m	#
13)	Dieldrin	7.543f	8.174	403338	3745199	0.100	0.971	#
14)	Endrin	7.656	8.403	87964	3560264	0.026	1.204	#
15)	4,4'-DDD	7.736	8.449	124798	163993	0.044	0.040m	
16)	Endosulfa...	7.807	8.553	992014	3738848	0.326	1.236	#
17)	4,4'-DDT	7.935	8.679	528129	515234	0.241	0.169m	#
18)	Endrin Al...	8.104	8.772	418639	4042926	BelowCal	1.397	
19)	Endosulfa...	8.415	8.956	84300	4050089	0.029	1.366	#
20)	Methoxychlor	8.264	9.158	2645695	6606555	2.366	5.301	#
21)	Endrin Ke...	8.603	9.359	29281458	5637180	8.210	1.678	#
23)	Hexachlor...	2.881	3.351f	743693	11310110	0.008	2.456	#
24)	Hexachlor...	5.497	6.151	616073	2733384	0.011	0.773	#
25)	Oxychlordane	6.936f	7.608	246266	3291535	BelowCal	0.910	
26)	2,4'-DDE	7.032f	7.814	318418	413280	0.133	BelowCalm	#
27)	trans-Non...	7.219	7.910f	434875	3430603	BelowCal	0.798	
28)	2,4'-DDD	7.448	8.173	229541	470533	BelowCal	0.226m	
29)	2,4'-DDT	7.605	8.378f	181177	237983	BelowCal	BelowCalm	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

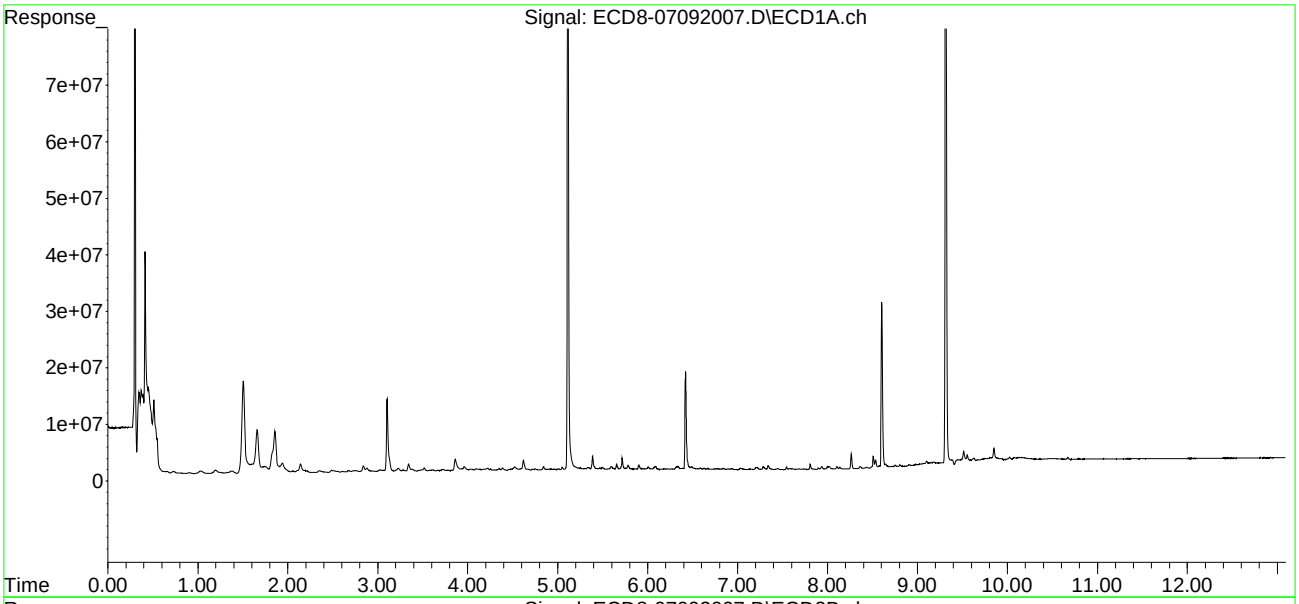
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.682	8.450	144438	3537214	0.035	0.885	#
31)	Mirex	8.363	9.359	376409	5637180	BelowCal	2.237	
32)	Chlordane...	7.204	7.910f	398348	3430603	0.964	7.920	#
33)	Chlordane...	7.287	8.008	630835	3437185	1.226	9.421	#
34)	Chlordane...	7.843	8.654	113376	3741842	0.877	31.372	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.287	8.224	630835	3543726	35.815	107.995	#
37)	Toxaphene...	7.577	8.591	200328	4000042	2.659	93.931	#
38)	Toxaphene...	7.896	8.591	261499	4000042	3.605	63.305	#
39)	Toxaphene...	8.133	8.680	321880	4005205	BelowCal	25.899	
40)	Toxaphene...	8.363	8.839	376409	3812536	7.227	64.932	#
41)	Toxaphene...	8.415	9.250	84300	4290866	1.142	66.788	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

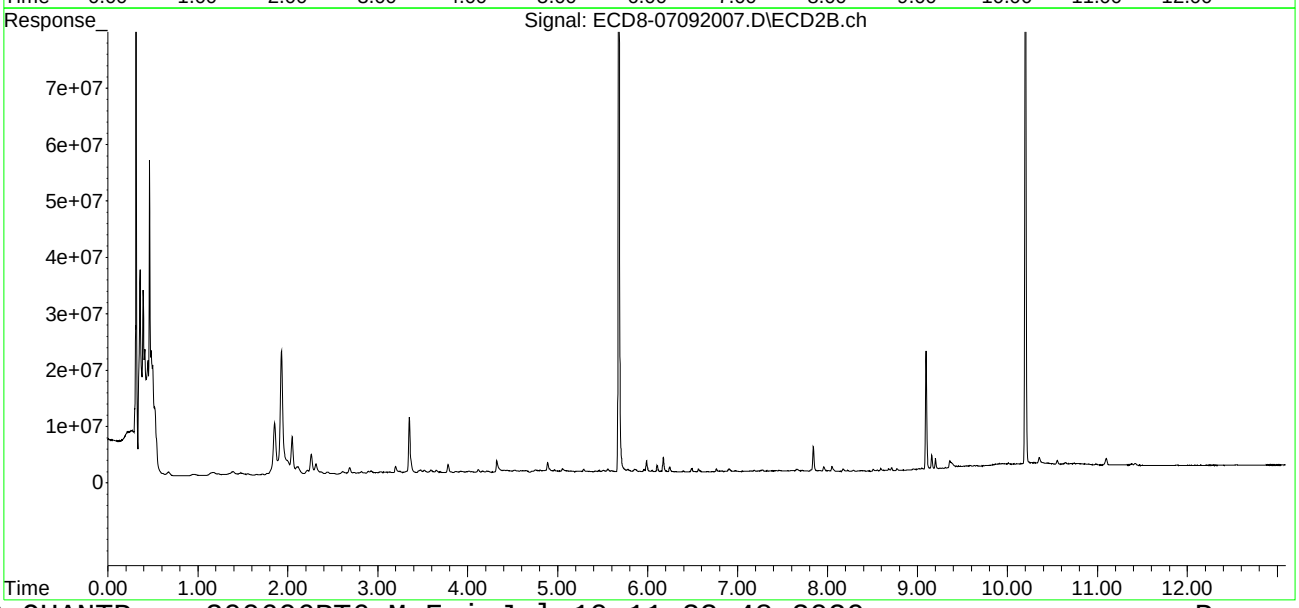
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

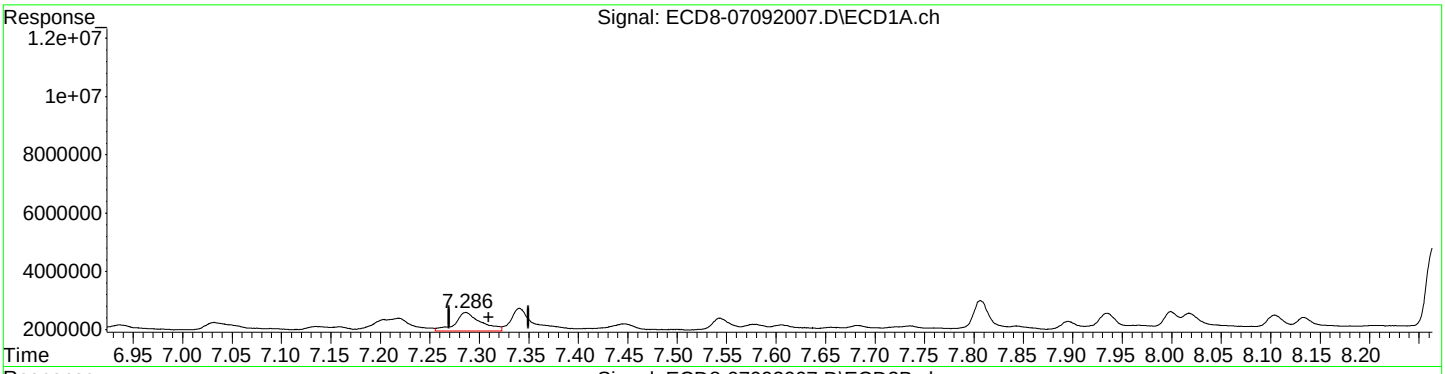




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(12) 4,4'-DDE
7.287min 0.172 ng/mL
response 630835

MJB 7/10/20

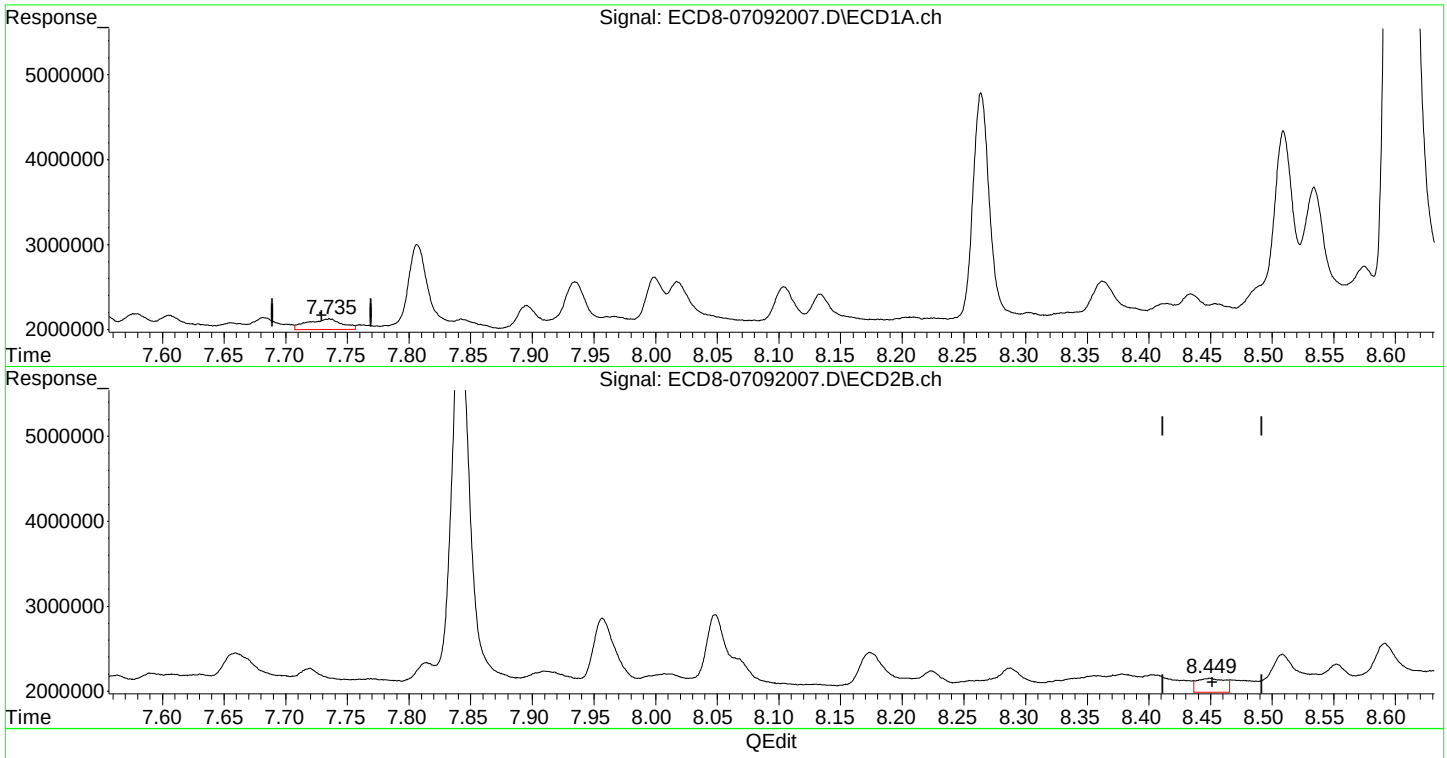
(12) 4,4'-DDE #2
8.048min 0.296 ng/mL m
response 959088

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.736min 0.044 ng/mL
response 124798

MJB 7/10/20

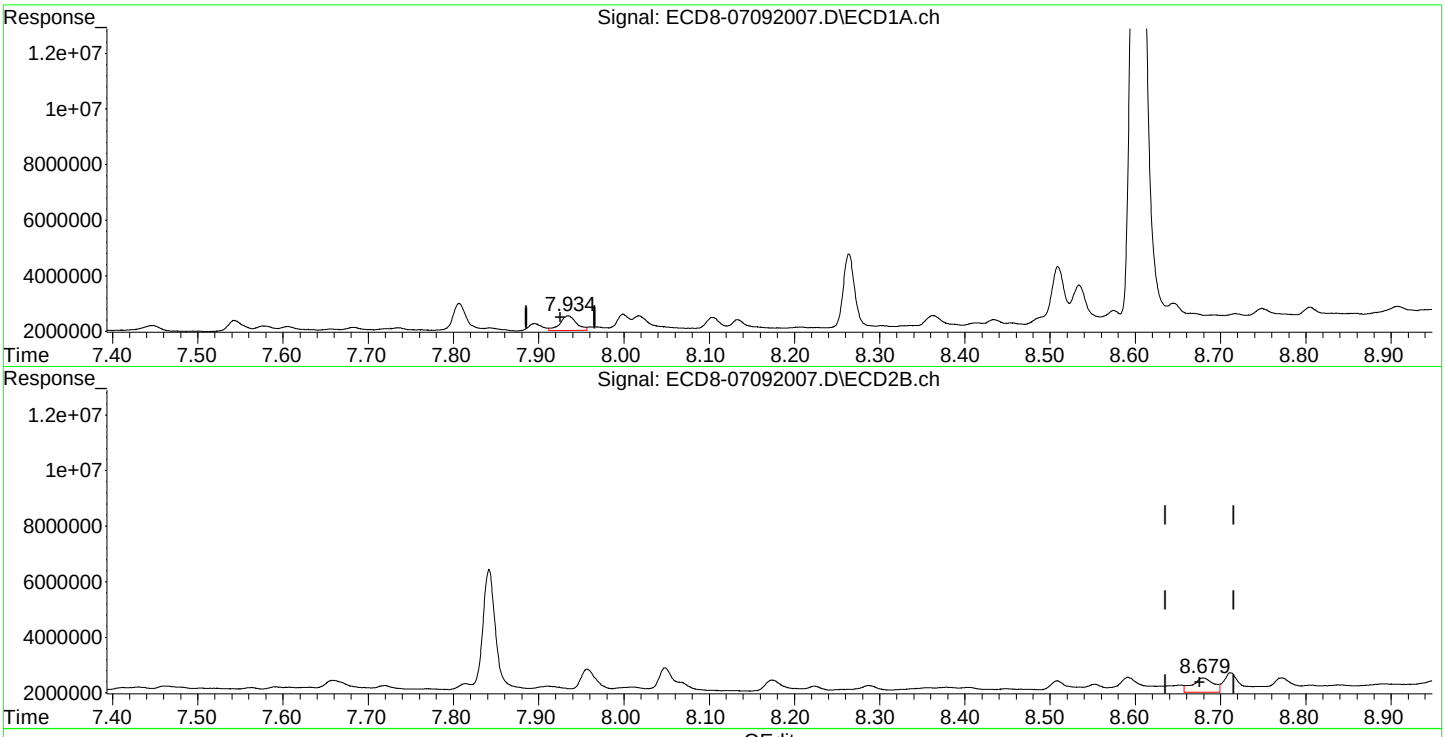
(15) 4,4'-DDD #2
8.449min 0.040 ng/mL m
response 163993

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.935min 0.241 ng/mL
response 528129

MJB 7/10/20

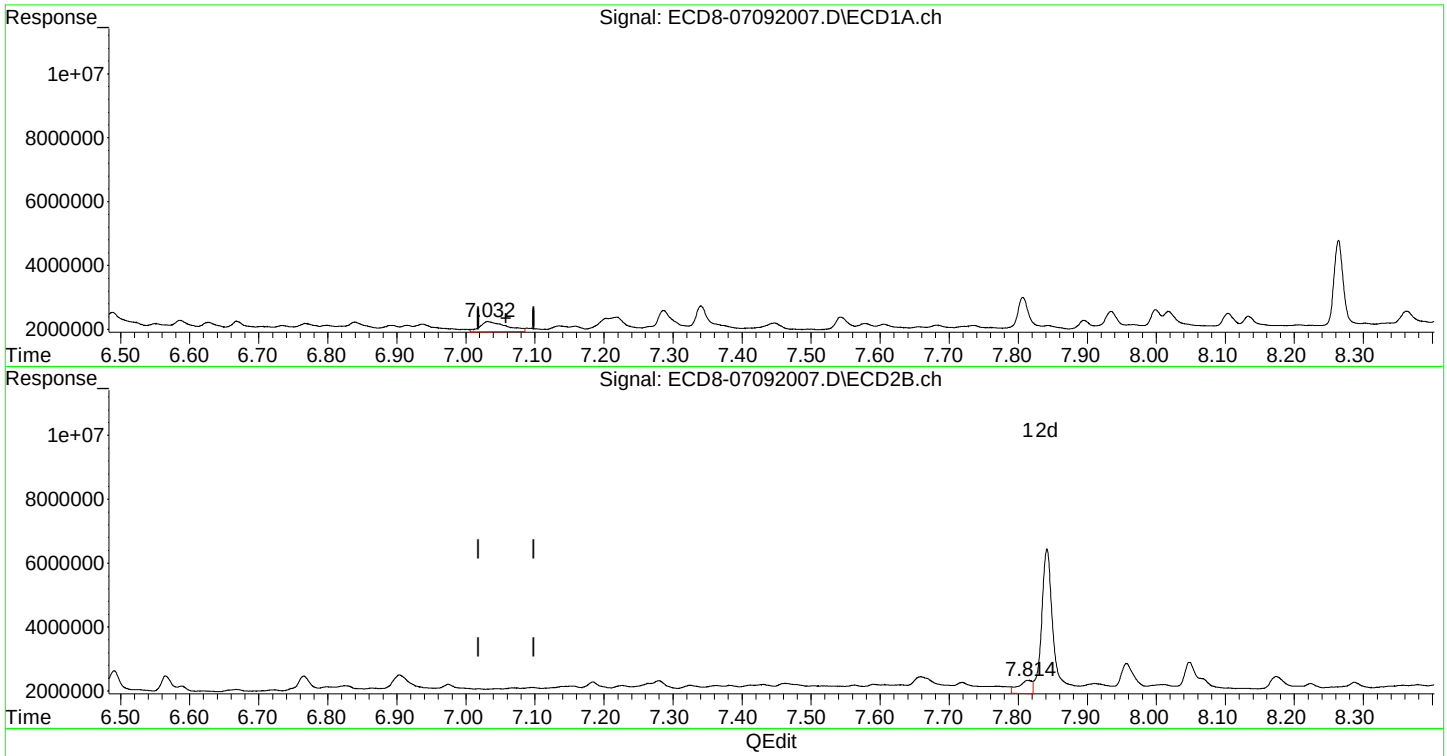
(17) 4,4'-DDT #2
8.679min 0.169 ng/mL m
response 515234

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.032min 0.133 ng/mL
response 318418

MJB 7/10/20

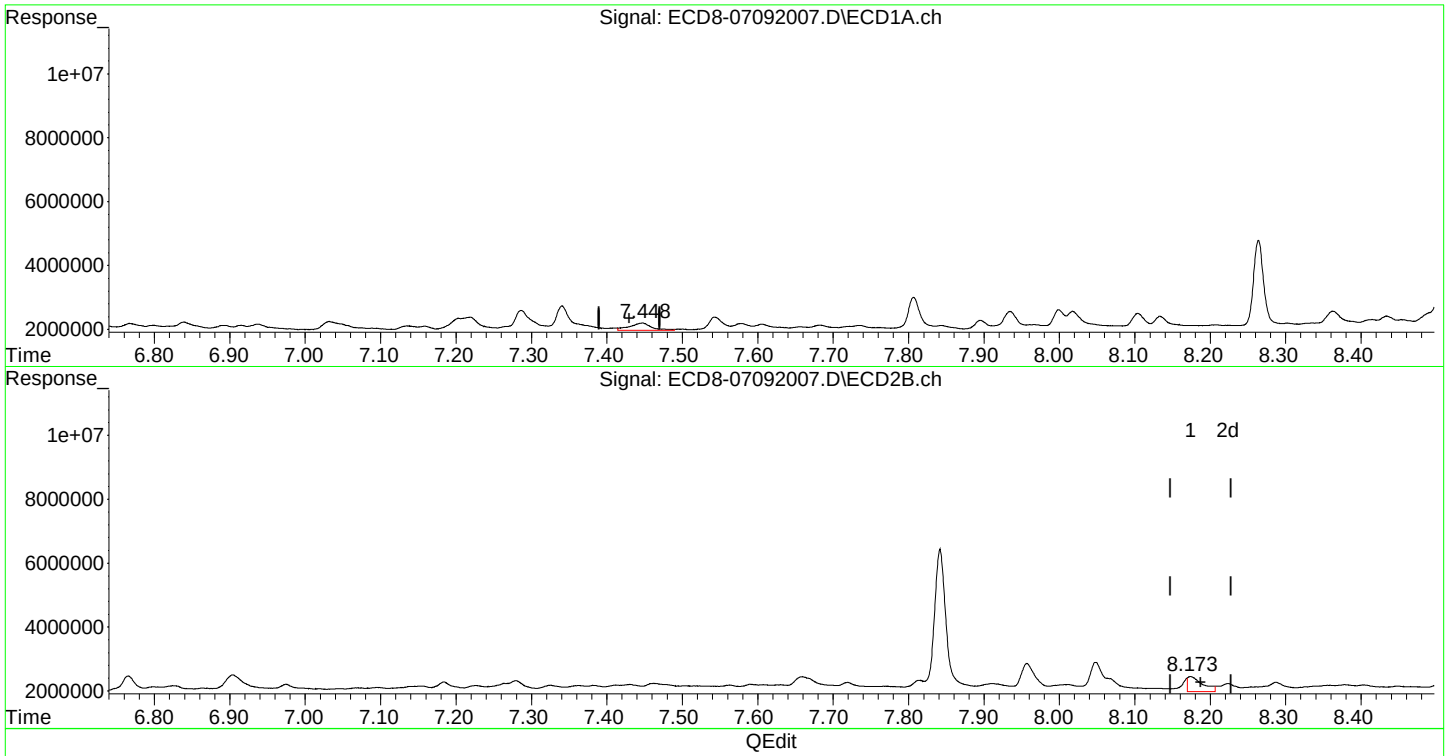
(26) 2,4'-DDE #2
7.814min -0.055 ng/mL m
response 413280

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.448min -0.078 ng/mL
response 229541

MJB 7/10/20

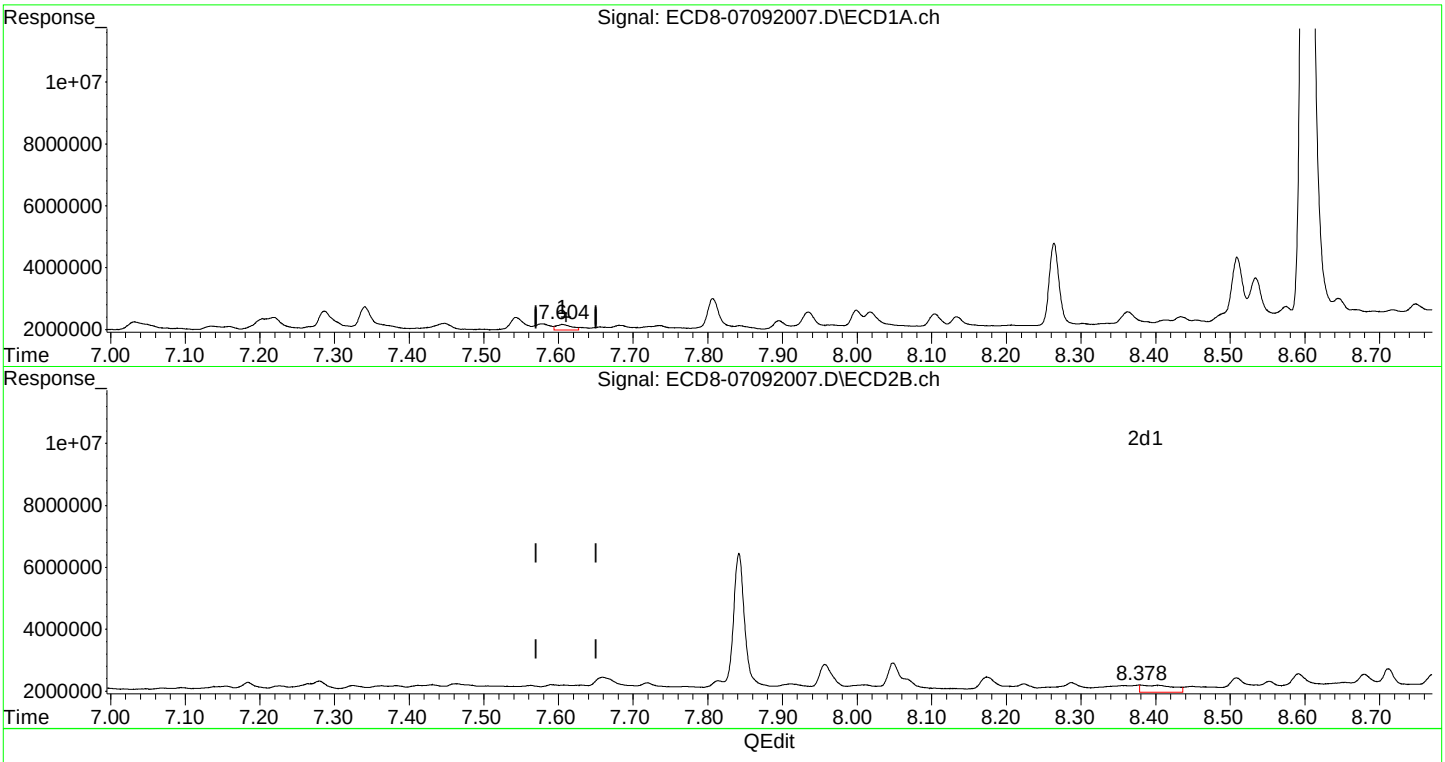
(28) 2,4'-DDD #2
8.173min 0.226 ng/mL m
response 470533

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.605min -0.076 ng/mL
response 181177

MJB 7/10/20

(29) 2,4'-DDT #2
8.378min -0.042 ng/mL m
response 237983

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

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MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.115	5.680	132.4E6	122.9E6	36.301	34.618	
22)	S DCBP (S)	9.315	10.199	148.0E6	123.4E6	51.654	51.668	
	Target Compounds							
2)	a-BHC	5.658	6.311f	1220365	2678050	0.250	0.562	#
3)	g-BHC	5.937	6.589	335145	2886606	0.078	0.676	#
4)	b-BHC	6.008	6.668	651012	2812506	0.361	1.539	#
5)	Heptachlor	6.333	6.975	759429	3086523	0.192	0.728	#
6)	d-BHC	6.148	6.904	254501	3346153	0.108	0.936	#
7)	Aldrin	6.587	7.226	395098	3134338	0.092	0.782	#
8)	Heptachlo...	7.032	7.659	318418	3560078	0.081	0.946	#
9)	trans-Chl...	7.135	7.814	165671	3496904	0.041	0.916	#
10)	cis-Chlor...	7.219	7.910	434875	3430603	BelowCal	0.921	
11)	Endosulfa...	7.341	7.957	775471	4071934	0.211	1.200	#
12)	4,4'-DDE	7.287f	8.048	630835	4145810	0.172	1.258	#
13)	Dieldrin	7.543f	8.174	403338	3745199	0.100	0.971	#
14)	Endrin	7.656	8.403	87964	3560264	0.026	1.204	#
15)	4,4'-DDD	7.736	8.450	124798	3537214	0.044	1.325	#
16)	Endosulfa...	7.807	8.553	992014	3738848	0.326	1.236	#
17)	4,4'-DDT	7.935	8.680	528129	4005205	0.241	1.571	#
18)	Endrin Al...	8.104	8.772	418639	4042926	BelowCal	1.397	
19)	Endosulfa...	8.415	8.956	84300	4050089	0.029	1.366	#
20)	Methoxychlor	8.264	9.158	2645695	6606555	2.366	5.301	#
21)	Endrin Ke...	8.603	9.359	29281458	5637180	8.210	1.678	#
23)	Hexachlor...	2.881	3.351f	743693	11310110	0.008	2.456	#
24)	Hexachlor...	5.497	6.151	616073	2733384	0.011	0.773	#
25)	Oxychlordane	6.936f	7.608	246266	3291535	BelowCal	0.910	
26)	2,4'-DDE	7.032f	7.814	318418	3496904	0.133	1.417	#
27)	trans-Non...	7.219	7.910f	434875	3430603	BelowCal	0.798	
28)	2,4'-DDD	7.448	8.174	229541	3745199	BelowCal	1.802	
29)	2,4'-DDT	7.605	8.403	181177	3560264	BelowCal	1.757	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

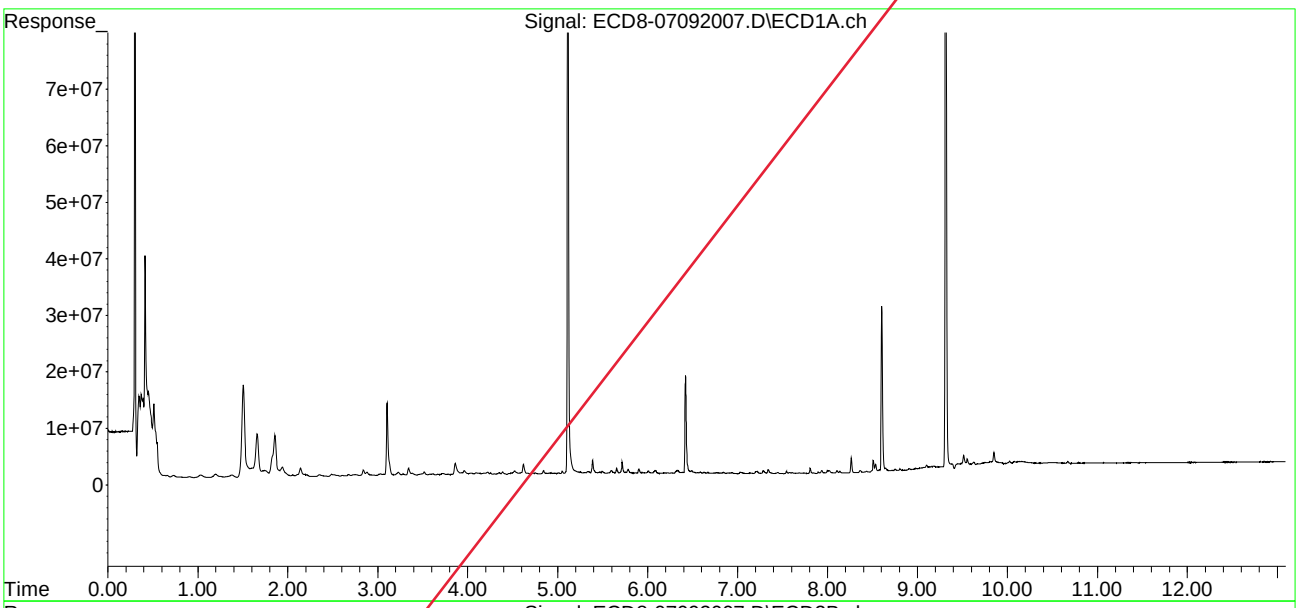
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.682	8.450	144438	3537214	0.035	0.885	#
31)	Mirex	8.363	9.359	376409	5637180	BelowCal	2.237	
32)	Chlordane...	7.204	7.910f	398348	3430603	0.964	7.920	#
33)	Chlordane...	7.287	8.008	630835	3437185	1.226	9.421	#
34)	Chlordane...	7.843	8.654	113376	3741842	0.877	31.372	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.287	8.224	630835	3543726	35.815	107.995	#
37)	Toxaphene...	7.577	8.591	200328	4000042	2.659	93.931	#
38)	Toxaphene...	7.896	8.591	261499	4000042	3.605	63.305	#
39)	Toxaphene...	8.133	8.680	321880	4005205	BelowCal	25.899	
40)	Toxaphene...	8.363	8.839	376409	3812536	7.227	64.932	#
41)	Toxaphene...	8.415	9.250	84300	4290866	1.142	66.788	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

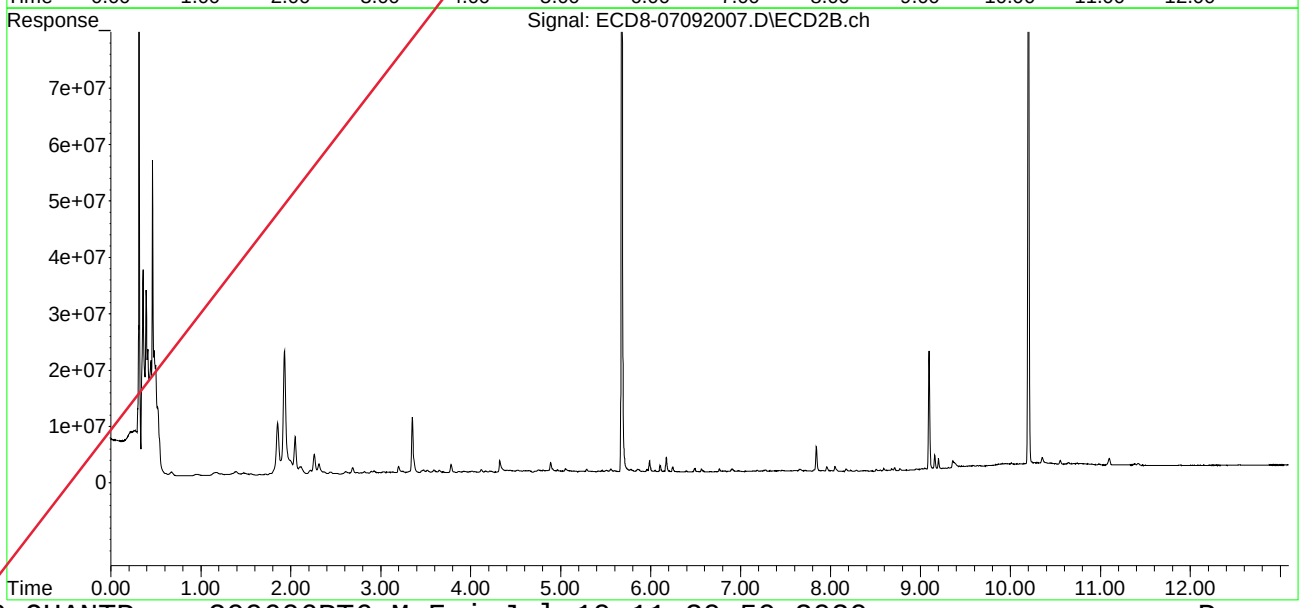
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:15
Operator : MJB
Sample : 0070206-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:20:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:32
Operator : MJB
Sample : 0070206-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:23:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.115	5.680	139.0E6	124.4E6	38.107	35.034	
22)	S	DCBP (S)	9.315	10.200	146.0E6	116.7E6	50.965	48.983	
		Target Compounds							
2)		a-BHC	5.658	6.311f	1134307	136365	0.233	0.029	#
3)		g-BHC	5.963f	6.588	247677	208522	0.058	0.049	
4)		b-BHC	6.008	6.670	575998	98492	0.319	0.054	#
5)		Heptachlor	6.332	6.974	661294	208005	0.167	0.049	#
6)		d-BHC	6.192f	6.903	272705	532072	0.113	0.179	#
7)		Aldrin	6.586	7.226	325142	144860	0.075	0.036	#
8)		Heptachlo...	7.053	7.658	117.7E6	485265	29.786	0.129	#
9)		trans-Chl...	7.131	7.811	354061	108.1E6	0.088	28.310	#
10)		cis-Chlor...	7.217f	7.912	421346	184199	BelowCal	0.049	
11)		Endosulfa...	7.304f	7.956	193.2E6	793548	52.475	0.234	#
12)		4,4'-DDE	7.304	8.034	193.2E6	178.1E6	52.703	49.597	
13)		Dieldrin	7.542f	8.184	470121	102.2E6	0.116	26.515	#
14)		Endrin	7.681	8.406	167608	117.4E6	0.050	39.716	#
15)		4,4'-DDD	7.723	8.448	163.9E6	145.4E6	57.443	50.375	
16)		Endosulfa...	7.806	8.554	1268809	452064	0.417	0.149	#
17)		4,4'-DDT	7.921	8.674	161.2E6	149.9E6	63.943	54.133	
18)		Endrin Al...	8.103	8.771	324672	287844	BelowCal	0.099	
19)		Endosulfa...	8.412	8.953	76280	196417	0.026	0.066	#
20)		Methoxychlor	8.264	9.158	2148839	2173333	1.896	1.650	
21)		Endrin Ke...	8.603	9.358	28626030	1557504	8.026	0.464	#
23)		Hexachlor...	2.880	3.351f	608178	10797735	BelowCal	2.337	
24)		Hexachlor...	5.496	6.151	547841	263953	BelowCal	BelowCal	
25)		Oxychlordane	6.958	7.609	159065	110499	BelowCal	BelowCal	
26)		2,4'-DDE	7.053	7.811	117.7E6	108.1E6	49.184	48.144	
27)		trans-Non...	7.217	7.912f	421346	184199	BelowCal	BelowCal	
28)		2,4'-DDD	7.424	8.184	113.7E6	102.2E6	58.199	49.187	
29)		2,4'-DDT	7.606	8.406	135.2E6	117.4E6	69.195	57.247	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:32
Operator : MJB
Sample : 0070206-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:23:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

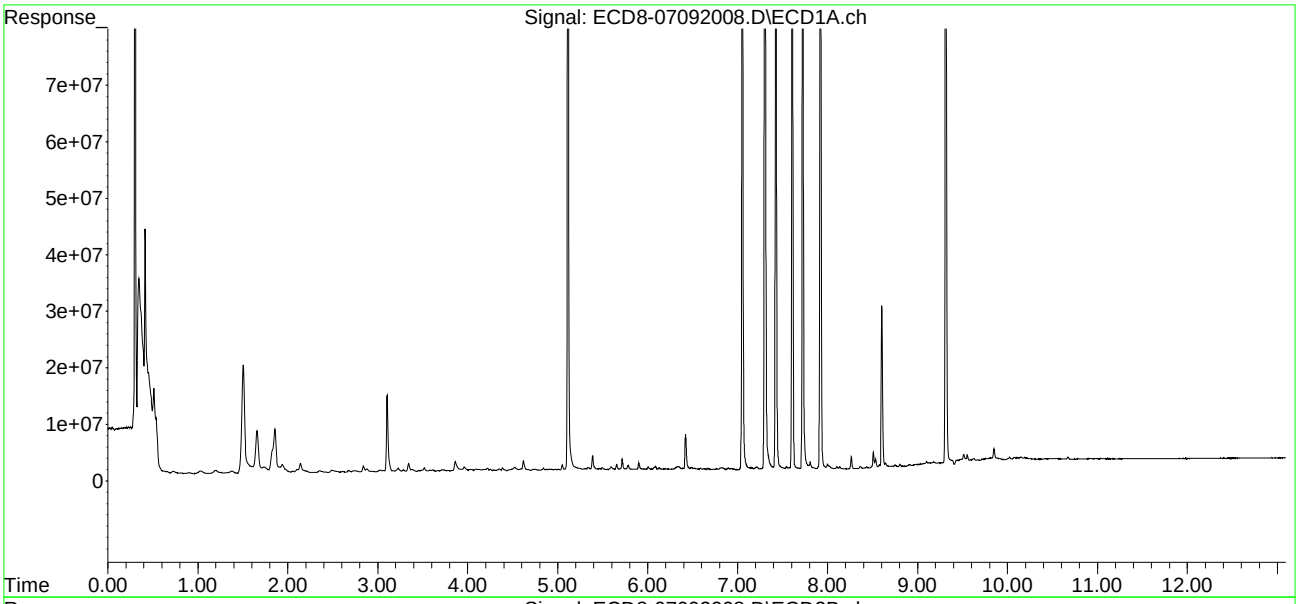
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.681	8.448	167608	145.4E6	0.041	36.381	#
31)	Mirex	8.362	9.358	371304	1557504	BelowCal	0.411	
32)	Chlordane...	7.217	7.912f	421346	184199	1.020	0.425	#
33)	Chlordane...	7.304	8.034f	193.2E6	178.1E6	375.434	488.149	#
34)	Chlordane...	0.000	8.674	0	149.9E6	N.D.	1256.769	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.263	0.000	156446	0	5.728	N.D.	#
37)	Toxaphene...	7.576	8.591	291694	426747	5.566	10.021	#
38)	Toxaphene...	7.895	8.591	381331	426747	5.256	6.754	#
39)	Toxaphene...	8.133	8.674	352815	149.9E6	BelowCal	1375.164	
40)	Toxaphene...	8.362	8.839	371304	40021	7.129	0.682	#
41)	Toxaphene...	8.412	9.251	76280	300685	1.034	4.680	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

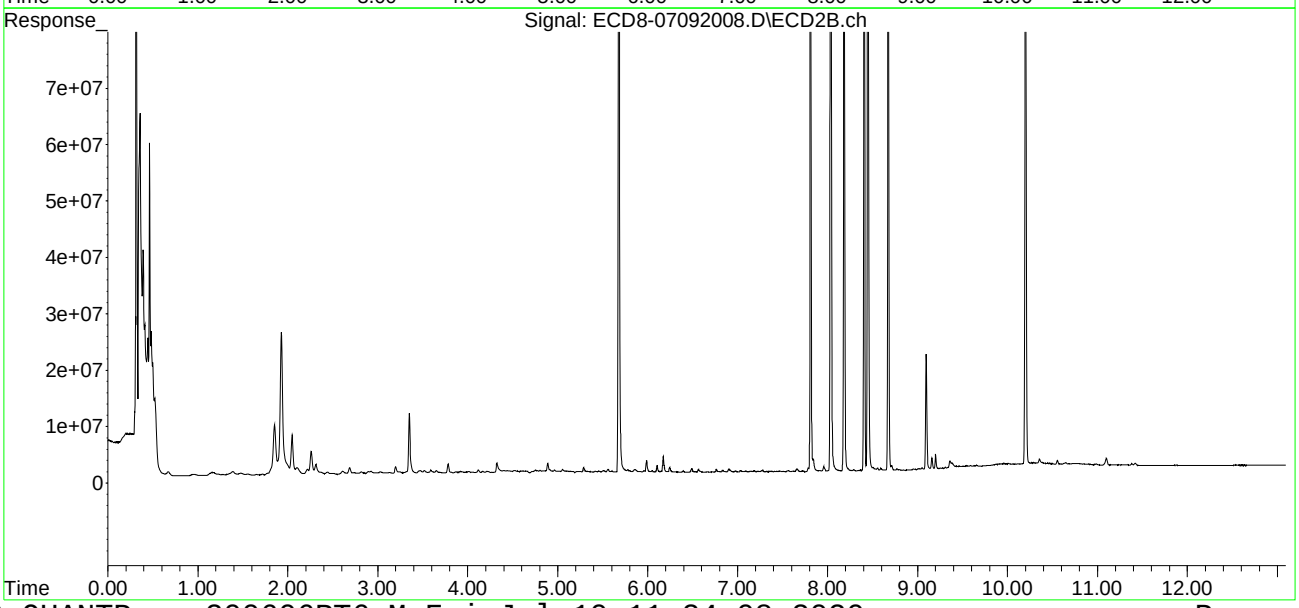
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 13:32
Operator : MJB
Sample : 0070206-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:23:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL		ng/mL		
	System Monitoring Compounds									
1) S	TCMX (S)	5.117	5.679	92837533	87697384	25.455		24.703		
22) S	DCBP (S)	9.314	10.199	104.5E6	95536355	36.547		40.350		
	Target Compounds									
2)	a-BHC	5.658	6.266	1580643	2800501	0.324		0.588	#	
3)	g-BHC	5.943	6.582	665838	3914656	0.156		0.917	#	
4)	b-BHC	6.023	6.672	1675201	3234546	0.929		1.770	#	
5)	Heptachlor	6.348	6.969	1566763	5769969	0.396		1.362	#	
6)	d-BHC	6.142	6.948f	824762	3495673	0.275		0.976	#	
7)	Aldrin	6.566	7.223	808885	3049807	0.188		0.761	#	
8)	Heptachlo...	7.052	7.660	512277	3761614	0.130		0.999	#	
9)	trans-Chl...	7.112f	7.807	977558	4457661	0.243		1.168	#	
10)	cis-Chlor...	7.246	7.938	2979638	5078729	0.615		1.363	#	
11)	Endosulfa...	7.337	7.938f	917806	5078729	0.249		1.497	#	
12)	4,4'-DDE	7.294	8.040	670690	3990406	0.183		1.211m	#	P-01
13)	Dieldrin	7.522	8.145f	2828563	247.1E6	0.701		64.086	#	
14)	Endrin	7.668	8.393	236.7E6	4217021	70.152		1.426	#	
15)	4,4'-DDD	7.721	8.455	5831661	18102178	2.044	R-02	6.800m	#	P-01
16)	Endosulfa...	7.831	8.507f	496605	16905924	0.163		5.591	#	
17)	4,4'-DDT	7.934	8.678	1955102	1516359	0.868		0.572m	#	
18)	Endrin Al...	8.132	8.779	2096842	5015528	0.571		1.733	#	
19)	Endosulfa...	8.410	8.977	31085873	8691471	10.526		2.931	#	
20)	Methoxychlor	8.261	9.164	1801557	9802861	1.567		7.905	#	
21)	Endrin Ke...	8.602	9.358	21256368	8172583	5.960		2.433	#	
23)	Hexachlor...	2.885	3.351f	543947	4556647	BelowCal		0.883		
24)	Hexachlor...	5.471f	6.137	1988749	4134924	0.461		1.269	#	
25)	Oxychlordane	6.998f	7.591	1701014	7980903	0.345		2.510	#	
26)	2,4'-DDE	7.052	7.806	512277	2007069	0.214		0.706m	#	
27)	trans-Non...	7.246	7.864	2979638	3931342	0.583		0.952	#	
28)	2,4'-DDD	7.424	0.000	2726651	0	1.264		N.D.	#	
29)	2,4'-DDT	7.592	8.423	1889745	1179743	0.868		0.469m	#	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

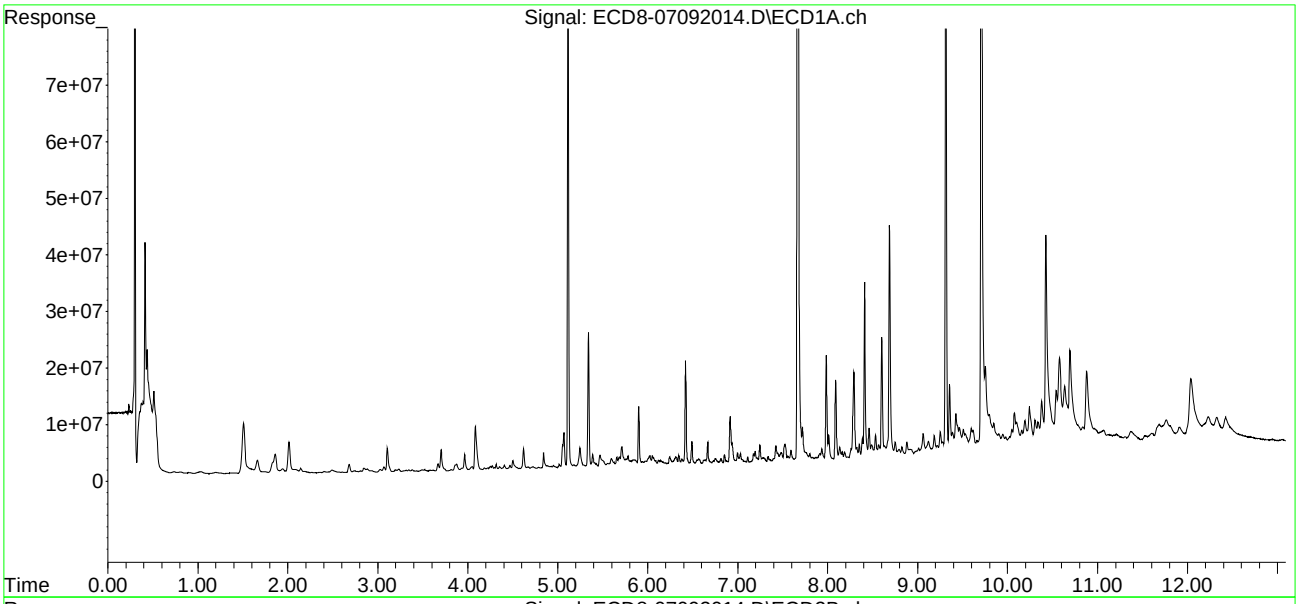
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.721f	8.456	5831661	21542535	1.418	5.390	#
31)	Mirex	8.352	9.358	2447817	8172583	0.683	3.370	#
32)	Chlordane...	7.194	7.894	1958770	4631956	4.742	10.694	#
33)	Chlordane...	7.294	8.002	670690	4940880	1.304	13.542	#
34)	Chlordane...	7.863	8.647	447224	4618875	3.459	38.725	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.279	8.248f	720578	5584725	41.502	170.194	#
37)	Toxaphene...	7.559	8.581	840682	7359618	23.037	172.823	#
38)	Toxaphene...	7.876	8.607	441998	6046241	6.093	95.689	#
39)	Toxaphene...	8.132	8.678	2096842	4701944	24.960	33.575	#
40)	Toxaphene...	8.352	8.852	2447817	5618344	46.997	95.687	#
41)	Toxaphene...	8.410	9.228	31085873	36674423	421.238	570.846	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

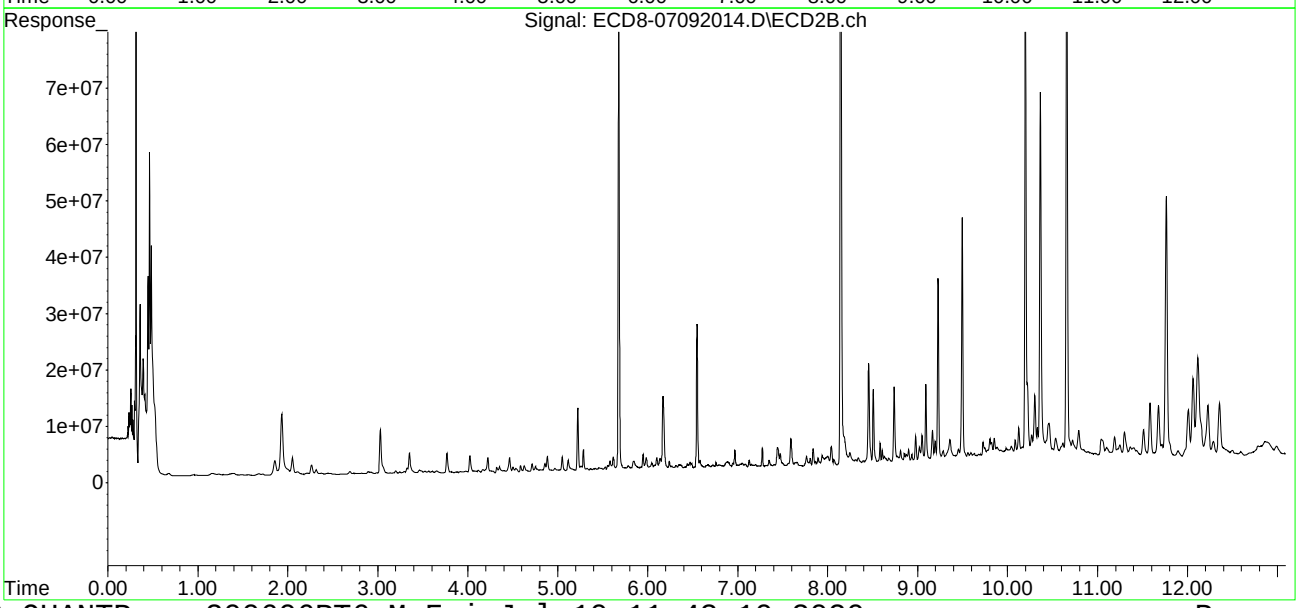
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

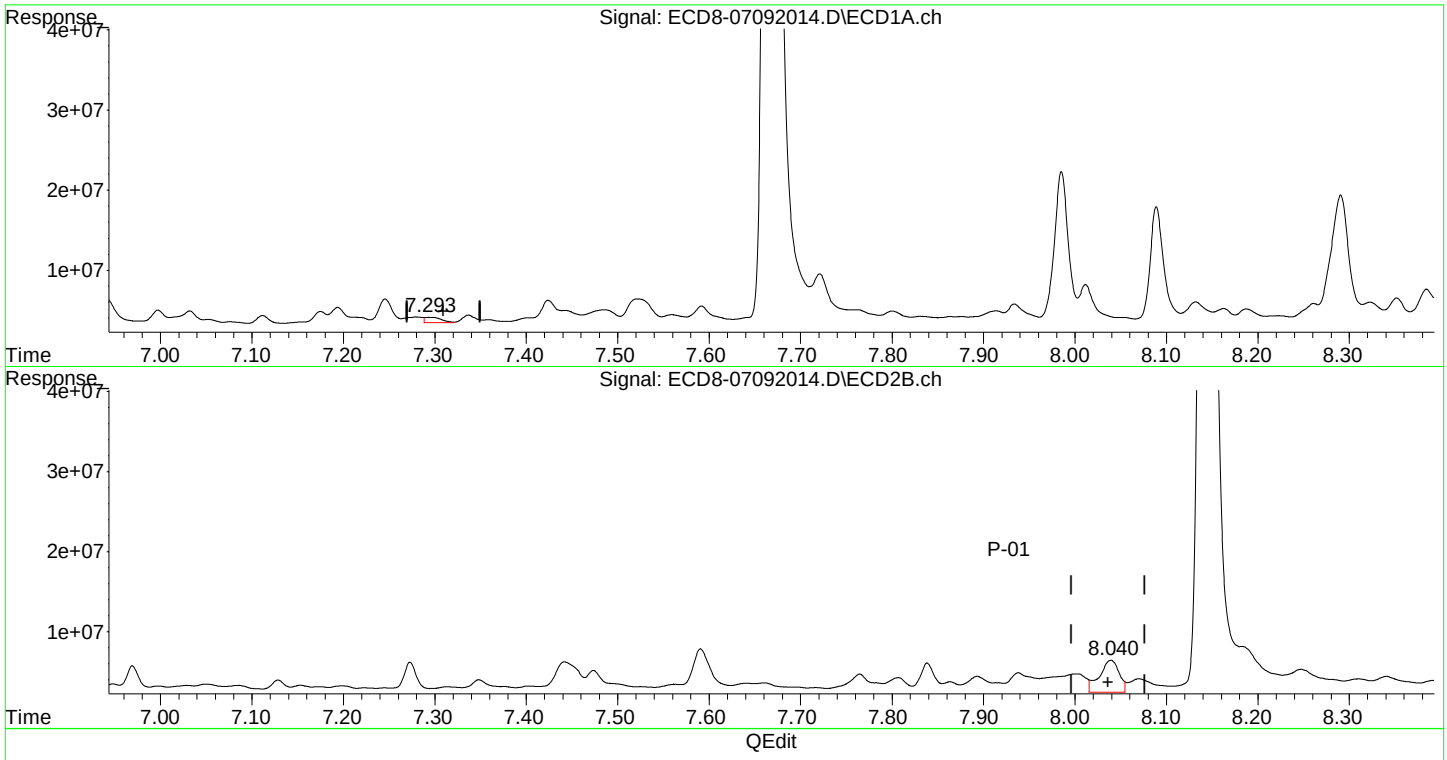




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.294min 0.183 ng/mL
response 670690

MJB 7/10/20

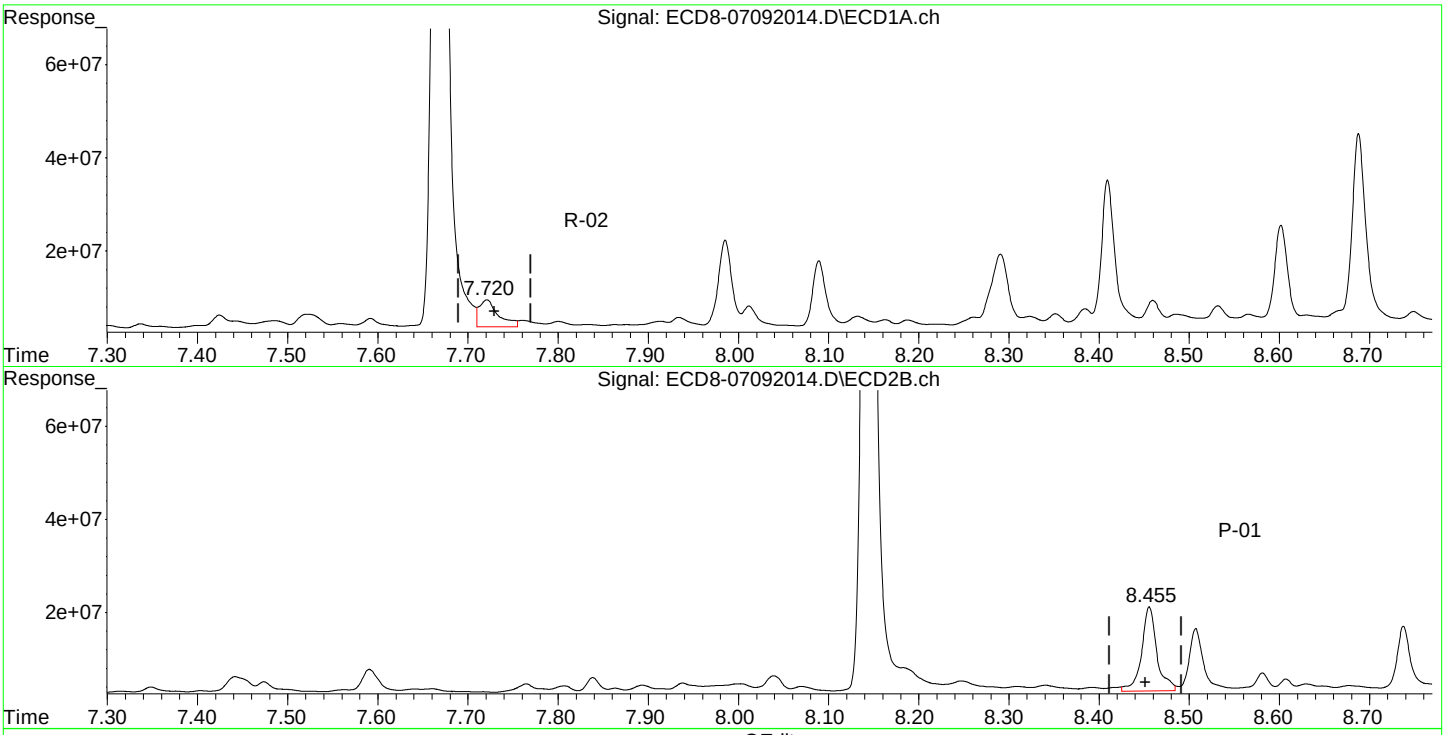
(12) 4,4'-DDE #2
8.040min 1.211 ng/mL m
response 3990406

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
7.721min 2.044 ng/mL
response 5831661

MJB 7/10/20

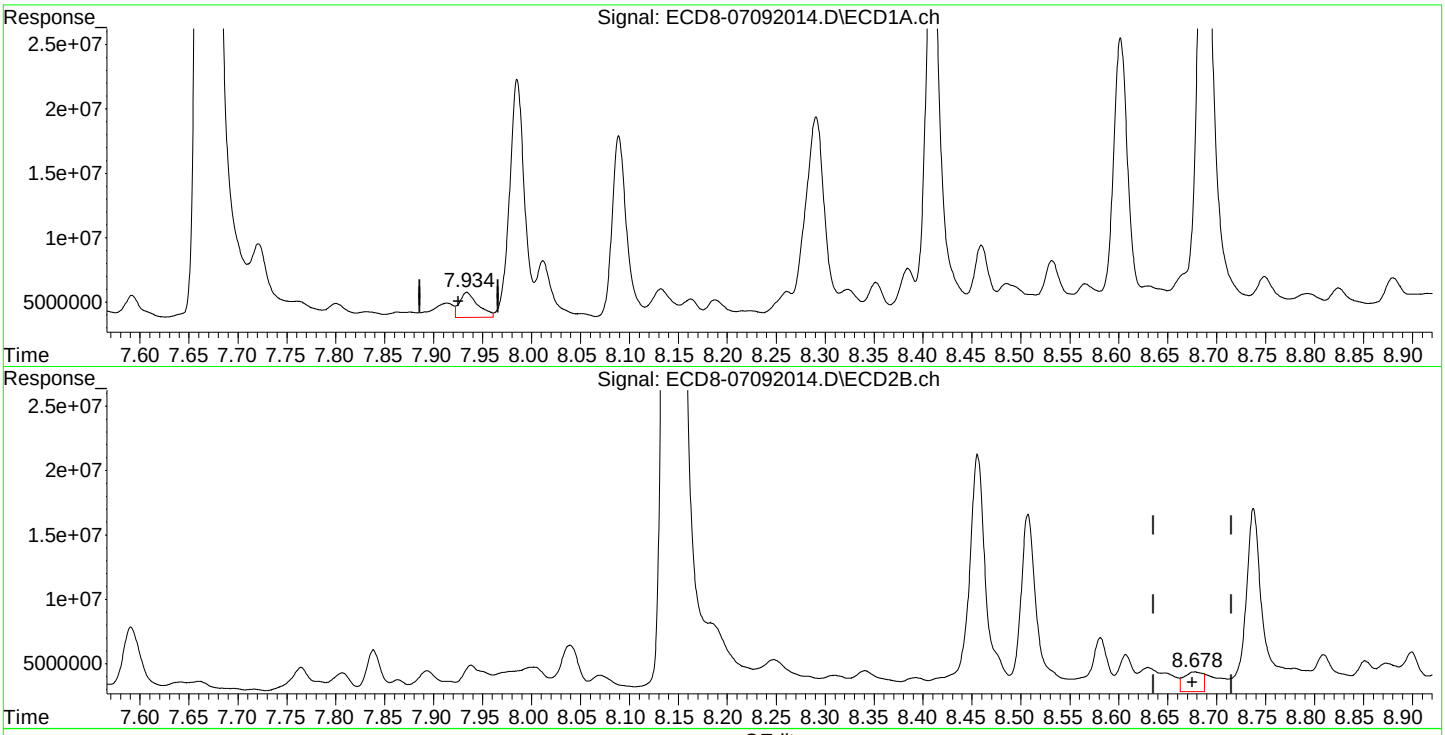
(15) 4,4'-DDD #2
8.455min 6.800 ng/mL m
response 18102178

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
7.934min 0.868 ng/mL
response 1955102

MJB 7/10/20

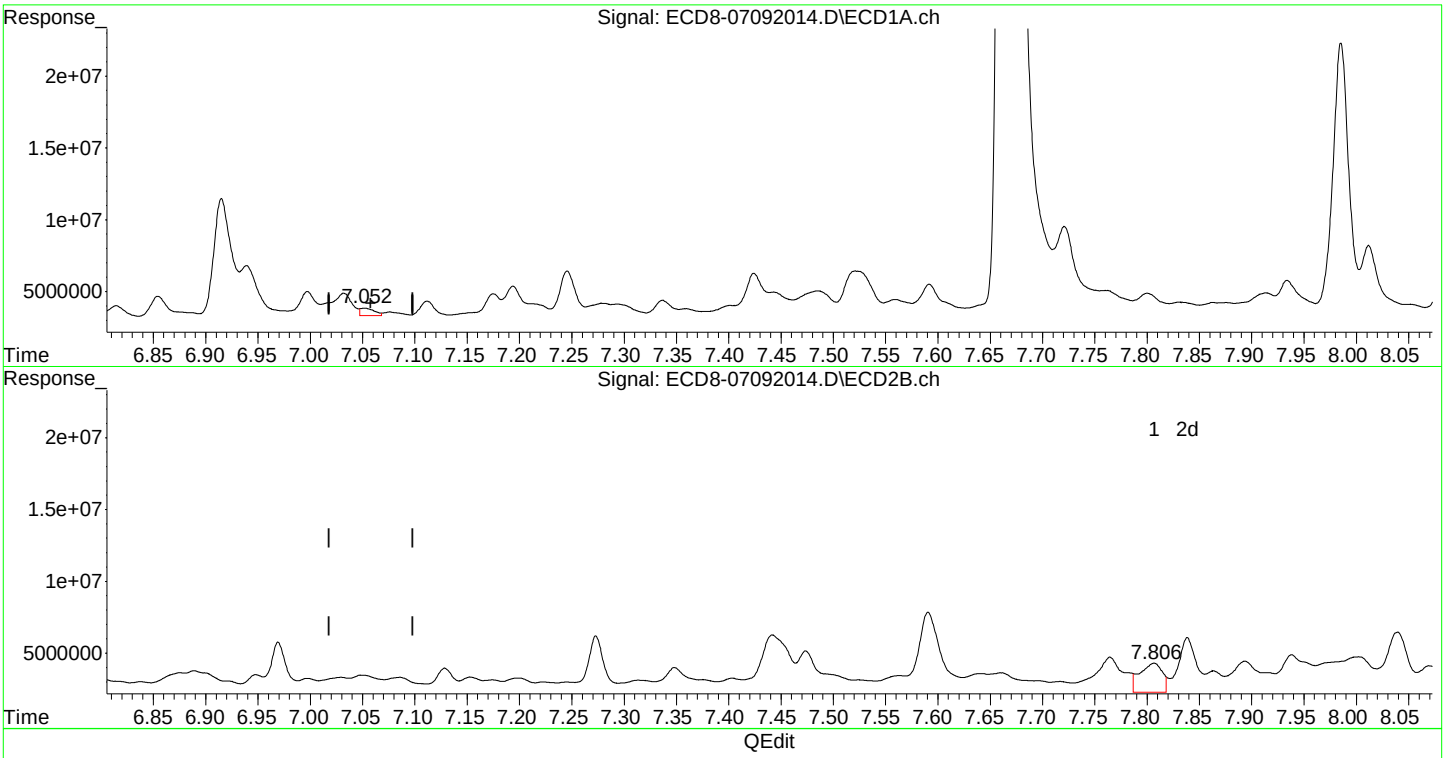
(17) 4,4'-DDT #2
8.678min 0.572 ng/mL m
response 1516359

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.052min 0.214 ng/mL
response 512277

MJB 7/10/20

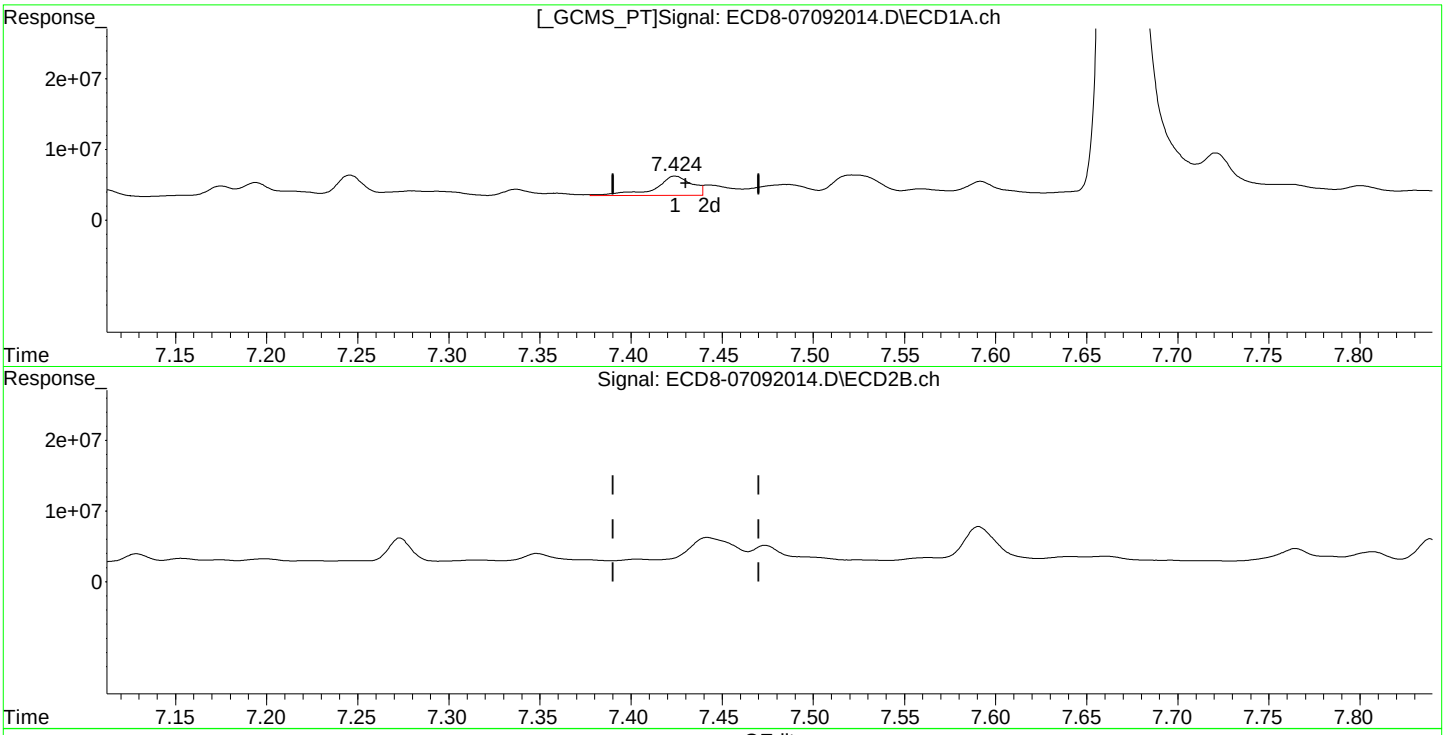
(26) 2,4'-DDE #2
7.806min 0.706 ng/mL m
response 2007069

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.424min 1.264 ng/mL
response 2726651

MJB 7/10/20

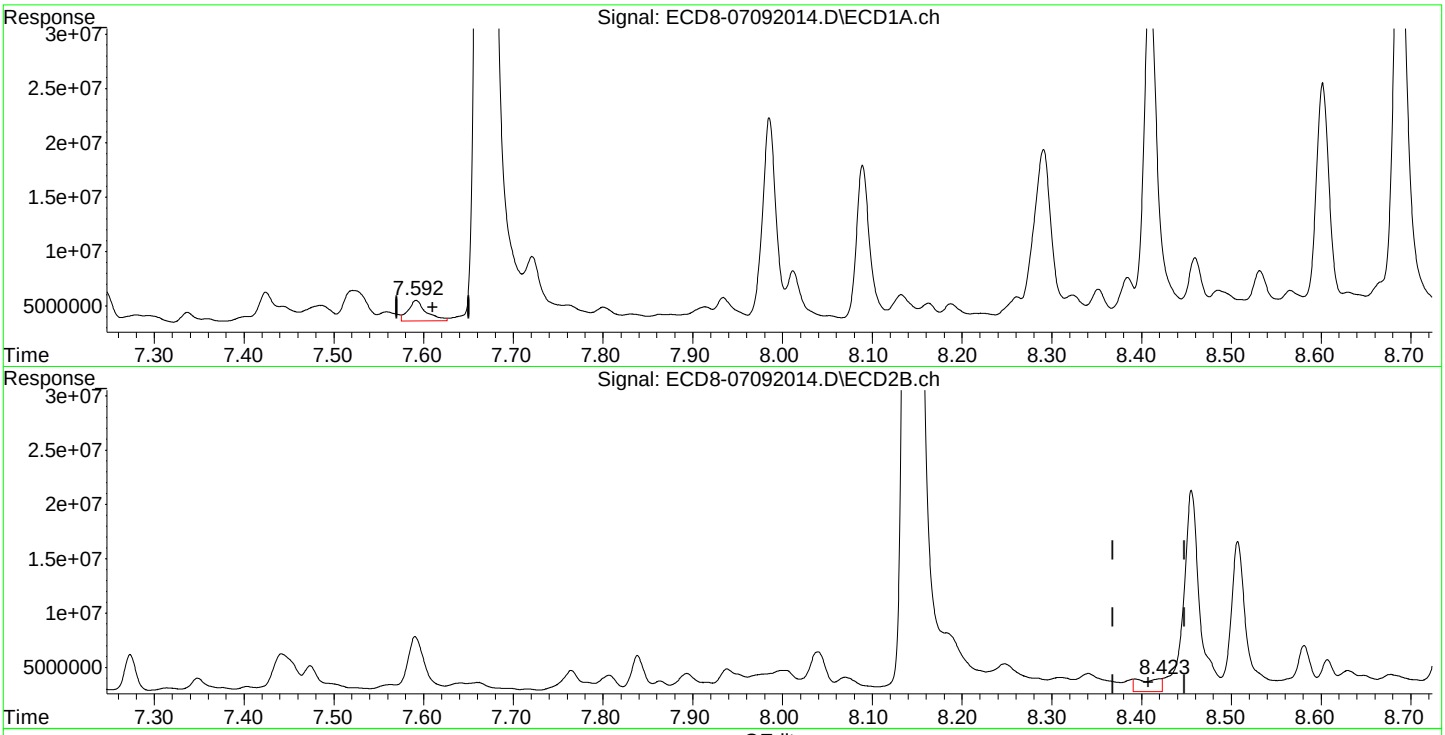
(28) 2,4'-DDD #2
0.000min 0.000 ng/mL
response 0

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
7.592min 0.868 ng/mL
response 1889745

MJB 7/10/20

(29) 2,4'-DDT #2
8.423min 0.469 ng/mL m
response 1179743

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

MI

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.117	5.679	92837533	87697384	25.455	24.703	
22) S	DCBP (S)	9.314	10.199	104.5E6	95536355	36.547	40.350	
	Target Compounds							
2)	a-BHC	5.658	6.266	1580643	2800501	0.324	0.588	#
3)	g-BHC	5.943	6.582	665838	3914656	0.156	0.917	#
4)	b-BHC	6.023	6.672	1675201	3234546	0.929	1.770	#
5)	Heptachlor	6.348	6.969	1566763	5769969	0.396	1.362	#
6)	d-BHC	6.142	6.948f	824762	3495673	0.275	0.976	#
7)	Aldrin	6.566	7.223	808885	3049807	0.188	0.761	#
8)	Heptachlo...	7.052	7.660	512277	3761614	0.130	0.999	#
9)	trans-Chl...	7.112f	7.807	977558	4457661	0.243	1.168	#
10)	cis-Chlor...	7.246	7.938	2979638	5078729	0.615	1.363	#
11)	Endosulfa...	7.337	7.938f	917806	5078729	0.249	1.497	#
12)	4,4'-DDE	7.294	8.039	670690	6658832	0.183	2.014	#
13)	Dieldrin	7.522	8.145f	2828563	247.1E6	0.701	64.086	#
14)	Endrin	7.668	8.393	236.7E6	4217021	70.152	1.426	#
15)	4,4'-DDD	7.721	8.456	5831661	21542535	2.044	8.075	#
16)	Endosulfa...	7.831	8.507f	496605	16905924	0.163	5.591	#
17)	4,4'-DDT	7.934	8.678	1955102	4701944	0.868	1.849	#
18)	Endrin Al...	8.132	8.779	2096842	5015528	0.571	1.733	#
19)	Endosulfa...	8.410	8.977	31085873	8691471	10.526	2.931	#
20)	Methoxychlor	8.261	9.164	1801557	9802861	1.567	7.905	#
21)	Endrin Ke...	8.602	9.358	21256368	8172583	5.960	2.433	#
23)	Hexachlor...	2.885	3.351f	543947	4556647	BelowCal	0.883	
24)	Hexachlor...	5.471f	6.137	1988749	4134924	0.461	1.269	#
25)	Oxychlordane	6.998f	7.591	1701014	7980903	0.345	2.510	#
26)	2,4'-DDE	7.052	7.807	512277	4457661	0.214	1.874	#
27)	trans-Non...	7.246	7.864	2979638	3931342	0.583	0.952	#
28)	2,4'-DDD	7.424	0.000	2726651	0	1.264	N.D.	#
29)	2,4'-DDT	7.592	8.393	1889745	4217021	0.868	2.111	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

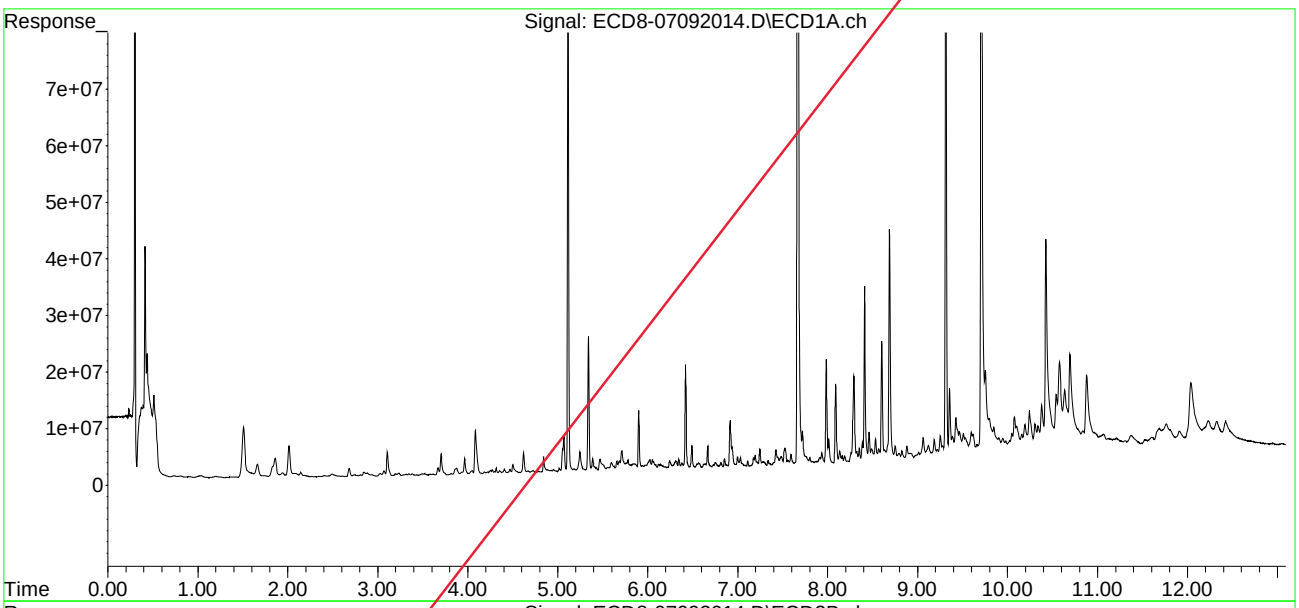
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.721f	8.456	5831661	21542535	1.418	5.390	#
31)	Mirex	8.352	9.358	2447817	8172583	0.683	3.370	#
32)	Chlordane...	7.194	7.894	1958770	4631956	4.742	10.694	#
33)	Chlordane...	7.294	8.002	670690	4940880	1.304	13.542	#
34)	Chlordane...	7.863	8.647	447224	4618875	3.459	38.725	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.279	8.248f	720578	5584725	41.502	170.194	#
37)	Toxaphene...	7.559	8.581	840682	7359618	23.037	172.823	#
38)	Toxaphene...	7.876	8.607	441998	6046241	6.093	95.689	#
39)	Toxaphene...	8.132	8.678	2096842	4701944	24.960	33.575	#
40)	Toxaphene...	8.352	8.852	2447817	5618344	46.997	95.687	#
41)	Toxaphene...	8.410	9.228	31085873	36674423	421.238	570.846	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

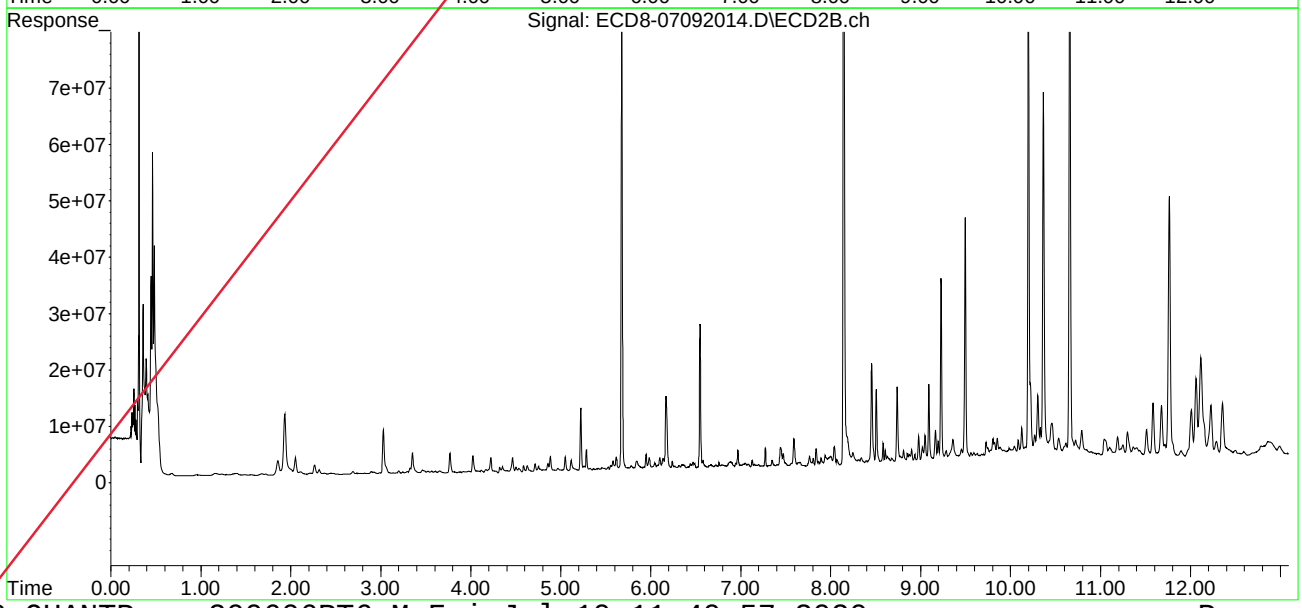
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:15
Operator : MJB
Sample : A0F0667-02RE3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:40:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:52
Operator : MJB
Sample : 0G09046-CCV3
Misc : A20E233, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.115	5.680	391.2E6	335.6E6	107.264	94.536	
22) S	DCBP (S)	9.314	10.198	292.1E6	254.3E6	101.099	102.248	
	Target Compounds							
2)	a-BHC	5.653	6.286	537.2E6	507.8E6	110.246	106.533	
3)	g-BHC	5.935	6.603	484.6E6	442.4E6	113.467	103.625	
4)	b-BHC	6.013	6.672	165.7E6	164.6E6	91.875	90.041	
5)	Heptachlor	6.344	6.970	453.8E6	442.4E6	114.776	104.396	
6)	d-BHC	6.161	6.924	365.1E6	378.4E6	92.142	88.521	
7)	Aldrin	6.582	7.232	466.1E6	427.4E6	108.106	106.591	
8)	Heptachlo...	7.043	7.671	423.5E6	380.3E6	107.172	101.013	
9)	trans-Chl...	7.139	7.811	419.5E6	388.3E6	104.260	101.709	
10)	cis-Chlor...	7.236	7.918	406.6E6	372.8E6	104.445	100.065	
11)	Endosulfa...	7.329	7.965	411.8E6	353.7E6	111.869	104.263	
12)	4,4'-DDE	7.307	8.035	352.2E6	351.8E6	96.096	91.732	
13)	Dieldrin	7.501	8.165	444.2E6	415.9E6	110.032	107.879	
14)	Endrin	7.664	8.391	343.0E6	302.4E6	101.654	102.276	
15)	4,4'-DDD	7.727	8.450	292.4E6	287.6E6	102.486	92.459	
16)	Endosulfa...	7.820	8.540	327.6E6	315.3E6	107.660	104.276	
17)	4,4'-DDT	7.923	8.674	284.6E6	282.6E6	106.020	94.728	
18)	Endrin Al...	8.110	8.777	315.5E6	282.5E6	110.436	97.641	
19)	Endosulfa...	8.410	8.968	314.8E6	292.1E6	106.595	98.504	
20)	Methoxychlor	8.267	9.159	126.0E6	135.3E6	102.333	96.410	
21)	Endrin Ke...	8.602	9.362	410.8E6	359.2E6	115.180	106.929	
23)	Hexachlor...	2.877	3.404f	6843	21261	BelowCal	BelowCal	
24)	Hexachlor...	5.496	0.000	793751	0	0.069	N.D.	#
25)	Oxychlordane	6.980	7.612	1786134	44488	0.372	BelowCal	#
26)	2,4'-DDE	7.043	7.811	423.5E6	388.3E6	176.969	152.408	
27)	trans-Non...	7.236	7.868	406.6E6	1698224	112.806	0.266	#
28)	2,4'-DDD	0.000	8.165f	0	415.9E6	N.D.	200.121	#
29)	2,4'-DDT	7.607	8.391	1598187	302.4E6	0.707	130.844	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:52
Operator : MJB
Sample : 0G09046-CCV3
Misc : A20E233, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

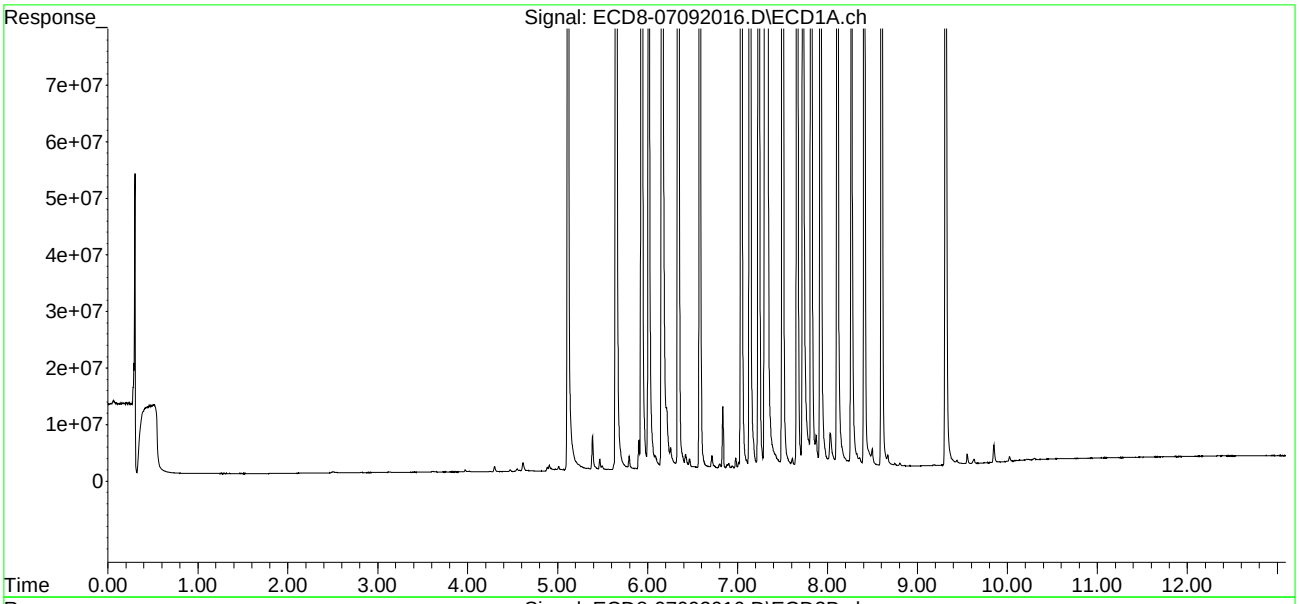
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.727f	8.450	292.4E6	287.6E6	71.114	71.944	
31)	Mirex	8.357	9.362	1590306	359.2E6	0.330	150.532	#
32)	Chlordane...	7.236f	7.868f	406.6E6	1698224	984.343	3.921	#
33)	Chlordane...	7.307	7.965f	352.2E6	353.7E6	684.547	969.396	#
34)	Chlordane...	7.873f	8.674	5595113	282.6E6	43.280	2369.189	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.307f	8.264f	352.2E6	434188	16429.203	13.232	#
37)	Toxaphene...	7.607f	8.540f	1598187	315.3E6	47.151	7404.423	#
38)	Toxaphene...	7.873	8.645f	5595113	1520263	77.125	24.060	#
39)	Toxaphene...	8.110	8.674	315.5E6	282.6E6	4025.904	2336.413	#
40)	Toxaphene...	8.357	8.863	1590306	11977332	30.533	203.988	#
41)	Toxaphene...	8.410	9.237	314.8E6	1737016	4265.964	27.037	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

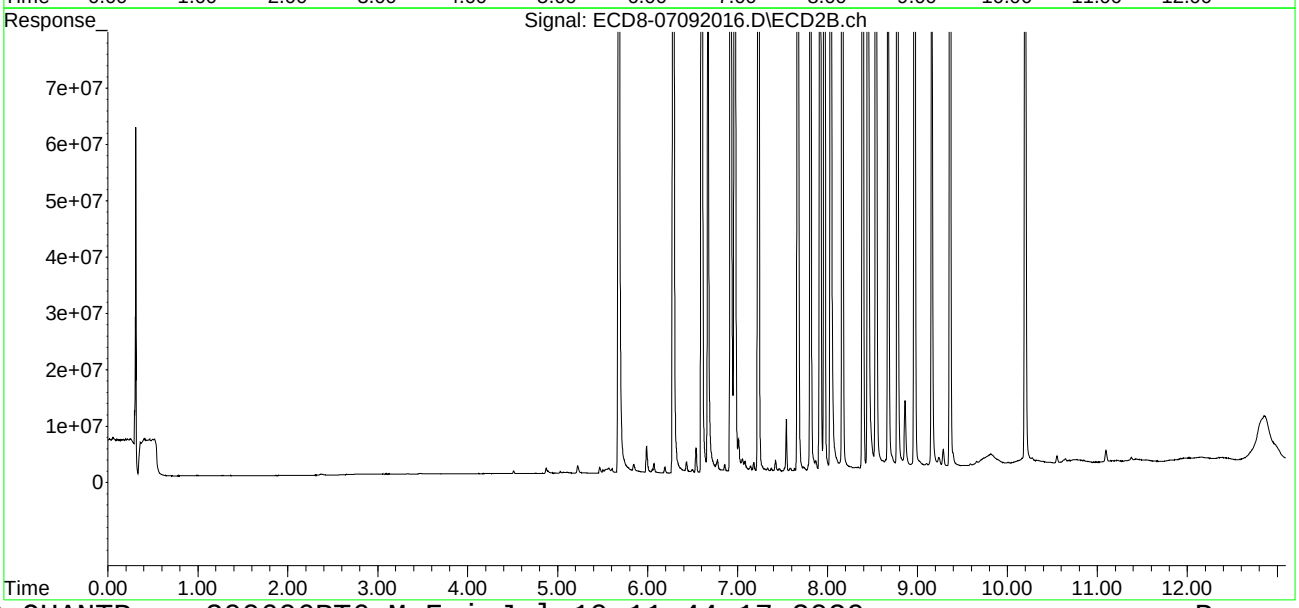
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 15:52
Operator : MJB
Sample : 0G09046-CCV3
Misc : A20E233, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:08
Operator : MJB
Sample : 0G09046-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.091f	5.680	4368273	54594	1.198	0.015	#
22) S	DCBP (S)	9.316	0.000	59572	0	BelowCal	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	5.905f	6.595	983783	110737	0.230	0.026	#
4)	b-BHC	6.022	6.642f	191650	164553	0.106	0.090	
5)	Heptachlor	6.343	6.969	937078	822020	0.237	0.194	
6)	d-BHC	6.138f	6.936	497139	137856	0.179	0.073	#
7)	Aldrin	6.586	7.229	41061	169835	0.010	0.042	#
8)	Heptachlo...	7.057	7.654	219.7E6	1064291	55.583	0.283	#
9)	trans-Chl...	7.139	7.811	5670382	219.9E6	1.409	57.583	#
10)	cis-Chlor...	7.229	7.918	372.0E6	13274802	96.058	3.563	#
11)	Endosulfa...	7.336	7.983	3966762	1546255	1.078	0.456	#
12)	4,4'-DDE	7.318	8.028	1912464	603342	0.522	0.188	#
13)	Dieldrin	7.472f	8.184	12120722	181.4E6	3.003	47.056	#
14)	Endrin	7.697f	8.405	401.4E6	195.4E6	118.961	66.104	#
15)	4,4'-DDD	7.697f	8.438	401.4E6	372.2E6	140.698	115.209	
16)	Endosulfa...	7.846f	0.000	526488	0	0.173	N.D.	#
17)	4,4'-DDT	7.925	8.675	349863	741001	0.163	0.260	#
18)	Endrin Al...	8.120	8.781	855497	659763	0.115	0.228	#
19)	Endosulfa...	0.000	8.964	0	570099	N.D.	0.192	#
20)	Methoxychlor	8.292f	9.148	18575	448886	BelowCal	0.217	
21)	Endrin Ke...	8.611	9.347	572771	222.6E6	0.161	66.279	#
23)	Hexachlor...	2.885	3.375	346.4E6	398.3E6	91.697	89.316	
24)	Hexachlor...	5.496	6.144	342.4E6	297.7E6	105.014	91.717	
25)	Oxychlordane	6.972	7.600	332.3E6	298.1E6	101.445	94.966	
26)	2,4'-DDE	7.057	7.811	219.7E6	219.9E6	91.782	92.671	
27)	trans-Non...	7.229	7.875	372.0E6	344.6E6	103.582	98.575	
28)	2,4'-DDD	7.427	8.184	174.2E6	181.4E6	87.305	87.291	
29)	2,4'-DDT	7.609	8.405	199.8E6	195.4E6	99.187	90.195	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:08
Operator : MJB
Sample : 0G09046-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

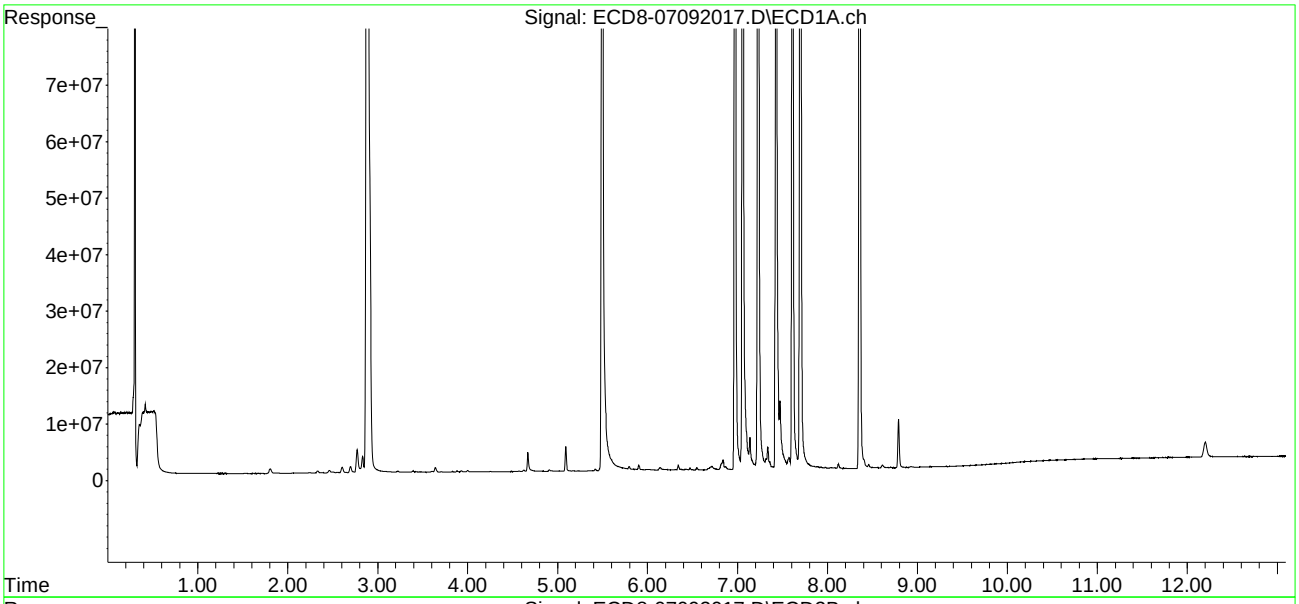
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.697	8.438	401.4E6	372.2E6	97.629	93.133	
31)	Mirex	8.356	9.347	246.3E6	222.6E6	99.712	95.398	
32)	Chlordane...	7.229f	7.875	372.0E6	344.6E6	900.467	795.467	
33)	Chlordane...	7.318	7.983	1912464	1546255	3.717	4.238	
34)	Chlordane...	7.846	8.647	526488	772241	4.073	6.474	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.318f	8.249f	1912464	1985327	116.901	60.503	#
37)	Toxaphene...	7.575	0.000	2054252	0	61.671	N.D.	#
38)	Toxaphene...	7.888	8.619	430590	768710	5.935	12.166	#
39)	Toxaphene...	8.120	8.675	855497	741001	4.533	BelowCal	#
40)	Toxaphene...	8.356	8.871	246.3E6	878526	4728.693	14.962	#
41)	Toxaphene...	8.457f	9.234	702355	702832	9.517	10.940	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

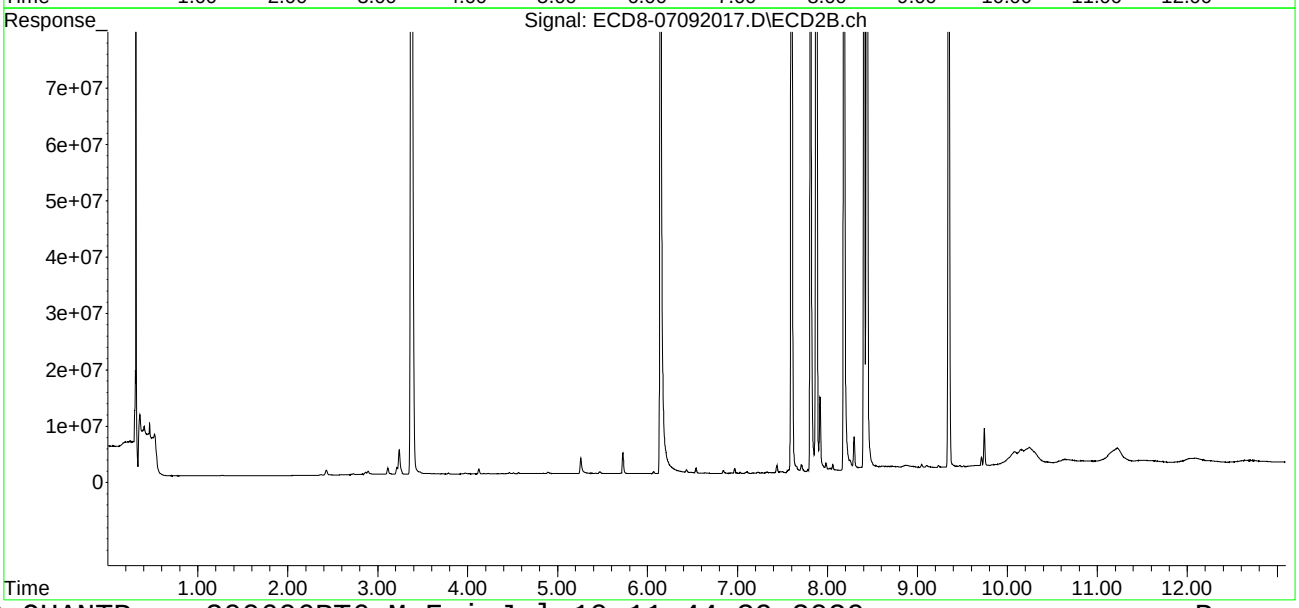
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:08
Operator : MJB
Sample : 0G09046-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:25
Operator : MJB
Sample : 0G09046-CCB2
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.116	5.679	334.0E6	308.6E6	91.581	86.935	
22)	S	DCBP (S)	9.316	10.199	260.9E6	218.3E6	90.494	88.738	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	0.000	6.594	0	14325	N.D.	0.003	#
4)		b-BHC	6.021	6.679	49051	13484	0.027	0.007	#
5)		Heptachlor	6.344	6.952	6313	7233	0.002	0.002	
6)		d-BHC	6.160	6.930	21743	25972	0.039	0.043	
7)		Aldrin	6.597	7.231	82612	15753	0.019	0.004	#
8)		Heptachlo...	7.066f	7.679	20856	33563	0.005	0.009	#
9)		trans-Chl...	7.138	7.816	115310	20879	0.029	0.005	#
10)		cis-Chlor...	7.234	7.917	52700	25838	BelowCal	0.007	
11)		Endosulfa...	7.294f	7.964	39073	17883	0.011	0.005	#
12)		4,4'-DDE	7.294	8.040	39073	34273	0.011	0.016	#
13)		Dieldrin	7.508	8.171	11861	27898	0.003	0.007	#
14)		Endrin	7.666	8.412	16779	74319	0.005	0.025	#
15)		4,4'-DDD	7.718	8.457	34950	50999	0.012	BelowCal	#
16)		Endosulfa...	7.826	8.544	53040	79787	0.017	0.026	#
17)		4,4'-DDT	7.927	8.665	41681	78485	0.028	BelowCal	#
18)		Endrin Al...	8.116	8.782	129493	166453	BelowCal	0.058	
19)		Endosulfa...	8.412	8.969	89154	215809	0.030	0.073	#
20)		Methoxychlor	8.263	9.145	164090	355210	0.013	0.139	#
21)		Endrin Ke...	8.613	9.366	382275	408270	0.107	0.122	
23)		Hexachlor...	0.000	3.403f	0	35050	N.D.	BelowCal	
24)		Hexachlor...	5.496	6.146	598749	59865	0.005	BelowCal	#
25)		Oxychlordane	6.975	7.597	31234	55542	BelowCal	BelowCal	
26)		2,4'-DDE	7.066	7.816	20856	20879	0.009	BelowCal	#
27)		trans-Non...	7.234	7.907f	52700	21757	BelowCal	BelowCal	
28)		2,4'-DDD	7.435	8.191	18466	36785	BelowCal	0.018	
29)		2,4'-DDT	7.589f	8.412	48517	74319	BelowCal	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:25
Operator : MJB
Sample : 0G09046-CCB2
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

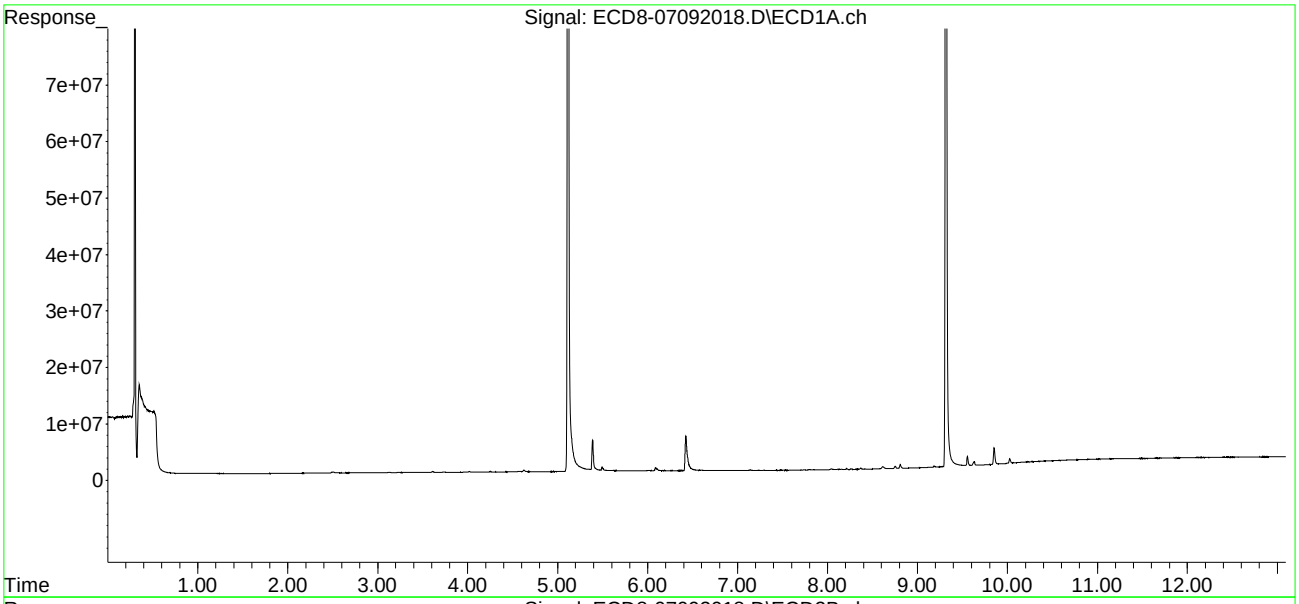
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.699	8.444	45010	61862	0.011	0.015	#
31)	Mirex	8.370	9.347	263421	373137	BelowCal	BelowCal	
32)	Chlordane...	7.234f	7.907	52700	21757	0.128	0.050	#
33)	Chlordane...	7.294	7.990	39073	20397	0.076	0.056	#
34)	Chlordane...	7.849	8.657	76902	78620	0.595	0.659	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.294	8.222	39073	18221	BelowCal	0.555	
37)	Toxaphene...	7.589	8.580	48517	51776	175390.601	1.216	#
38)	Toxaphene...	7.849f	8.616	76902	223492	1.060	3.537	#
39)	Toxaphene...	8.139	8.665	95195	78485	BelowCal	BelowCal	
40)	Toxaphene...	8.370	8.873	263421	134522	5.058	2.291	#
41)	Toxaphene...	8.412	9.223	89154	458616	1.208	7.138	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

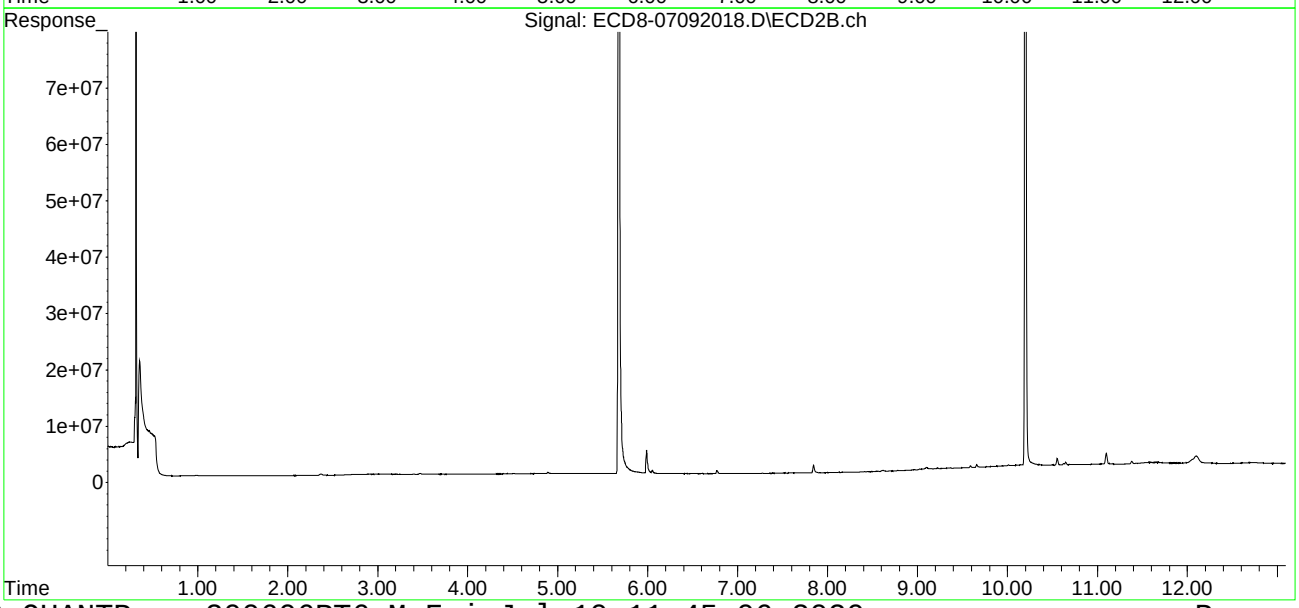
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 16:25
Operator : MJB
Sample : 0G09046-CCB2
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:44:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.115	5.677	3786213	3562455	1.038	1.003	S-05
22)	S	DCBP (S)	9.311	10.190	4790853	8569490	1.483	3.557	#
		Target Compounds							
2)		a-BHC	5.660	6.276	154922	98611	0.032	0.021	#
3)		g-BHC	5.942	6.599	406442	297130	0.095	0.070	#
4)		b-BHC	6.005	6.672	140244	940492	0.078	0.515	#
5)		Heptachlor	6.345	6.953	940088	368853	0.238	0.087	#
6)		d-BHC	6.174	6.901f	310602	522834	0.124	0.176	#
7)		Aldrin	6.563	7.220	1034261	217932	0.240	0.054	#
8)		Heptachlo...	7.049	7.666	1183218	362214	0.299	0.096	#
9)		trans-Chl...	7.139	7.808	76185	2069677	0.019	0.542	#
10)		cis-Chlor...	7.248	7.935	2115694	2134197	0.376	0.573	#
11)		Endosulfa...	7.335	7.988f	167062	280815	0.045	0.083	#
12)		4,4'-DDE	7.301	8.026	682979	848985	0.186	0.263	#
13)		Dieldrin	7.509	8.178	572778	3111822	0.142	0.807	#
14)		Endrin	7.671	8.395	6870932	260912	2.036	0.088	#
15)		4,4'-DDD	7.721	8.444	10134631	9238503	3.552	3.482	
16)		Endosulfa...	7.828	8.530	656660	1445620	0.216	0.478	#
17)		4,4'-DDT	7.931	8.675	5455463	2194687	2.399	0.845	#
18)		Endrin Al...	8.129	8.793	272525	1896758	BelowCal	0.656	
19)		Endosulfa...	8.408	8.977	73971061	10442719	25.047	3.522	#
20)		Methoxychlor	8.281	9.165	12837552	10445881	11.843	8.426	#
21)		Endrin Ke...	8.598	9.360	2869249	5186997	0.804	1.544	#
23)		Hexachlor...	2.885	3.369	96411	135600	BelowCal	BelowCal	
24)		Hexachlor...	5.477	6.152	1316999	216686	0.241	BelowCal	#
25)		Oxychlordane	6.943f	7.589	1277738	4734915	0.210	1.403	#
26)		2,4'-DDE	7.049	7.808	1183218	2069677	0.494	0.736	#
27)		trans-Non...	7.248	7.859	2115694	322844	0.331	BelowCal	#
28)		2,4'-DDD	7.422	8.178	4223158	3111822	2.066	1.497	#
29)		2,4'-DDT	7.600	8.407	2021177	302443	0.941m	BelowCal	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

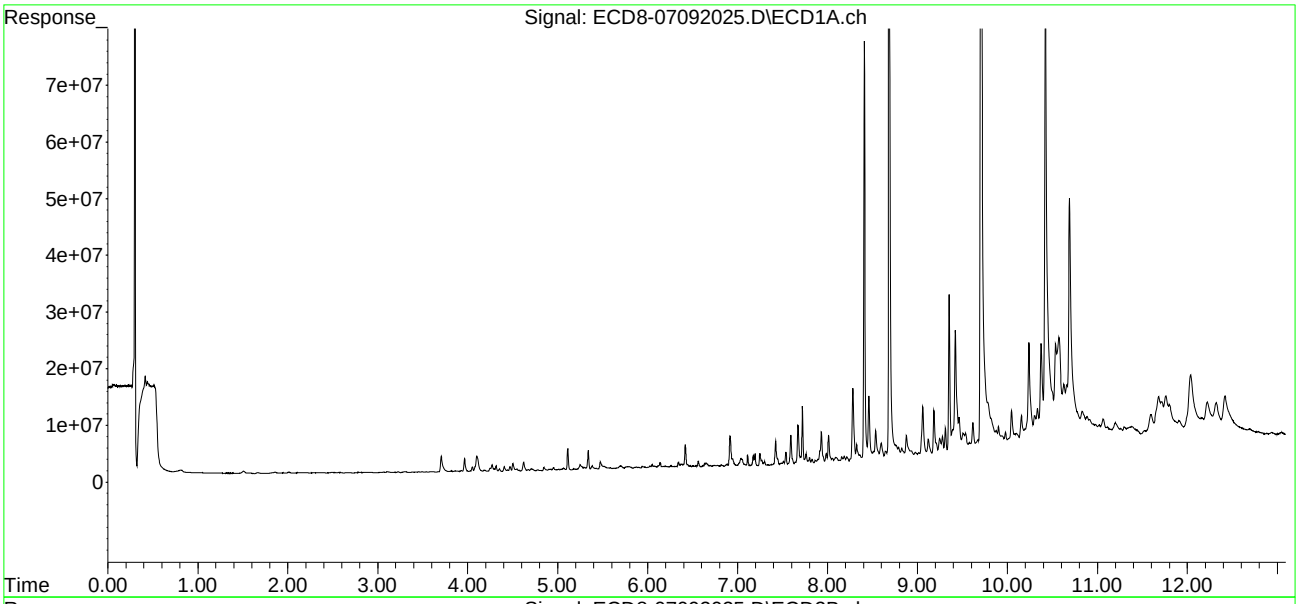
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.698	8.444	1193828	9238503	0.290	2.311	#
31)	Mirex	8.359	9.360	1046843	5186997	0.107	2.035	#
32)	Chlordane...	7.193	7.901	2133556	1187645	5.165	2.742	#
33)	Chlordane...	7.301	7.988	682979	280815	1.327	0.770	#
34)	Chlordane...	7.862	8.650	447795	546218	3.464	4.579	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.268	8.224	916565	139696	53.917	4.257	#
37)	Toxaphene...	7.591	8.581	5146869	4632125	160.202	108.774	#
38)	Toxaphene...	7.891	8.622	605101	543362	8.341	8.599	
39)	Toxaphene...	8.129	8.675	272525	2194687	BelowCal	5.873	
40)	Toxaphene...	8.359	8.867	1046843	622913	20.099	10.609	#
41)	Toxaphene...	8.408	9.226	73971061	83655683	1002.367	1302.121	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

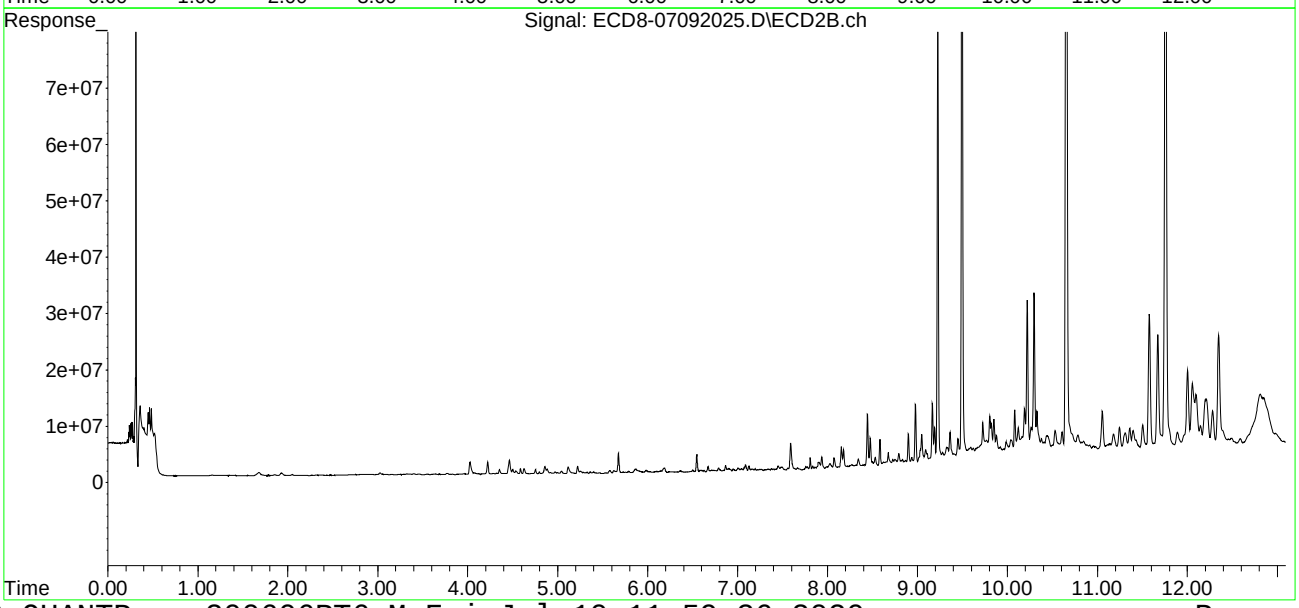
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

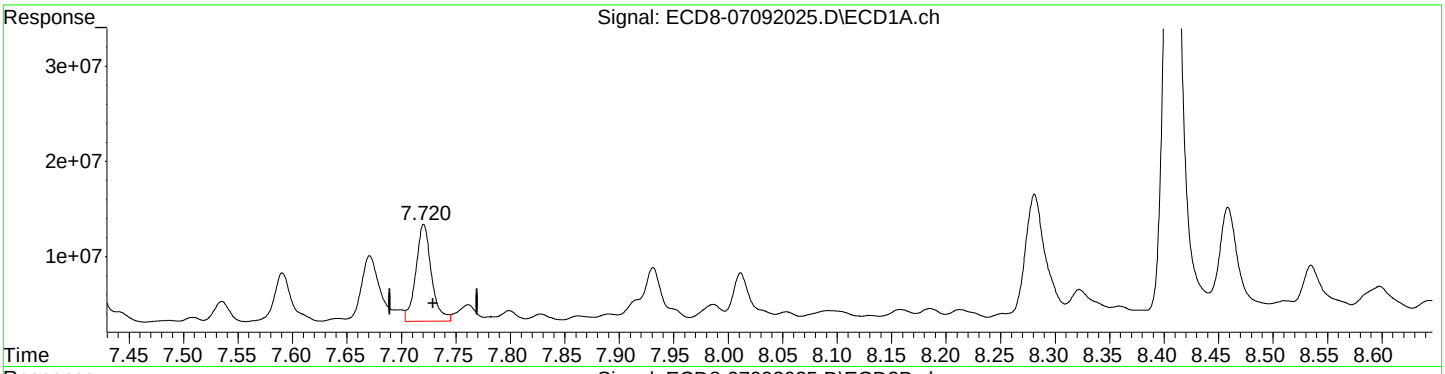




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(15) 4,4'-DDD
7.721min 3.552 ng/mL
response 10134631

MJB 7/10/20

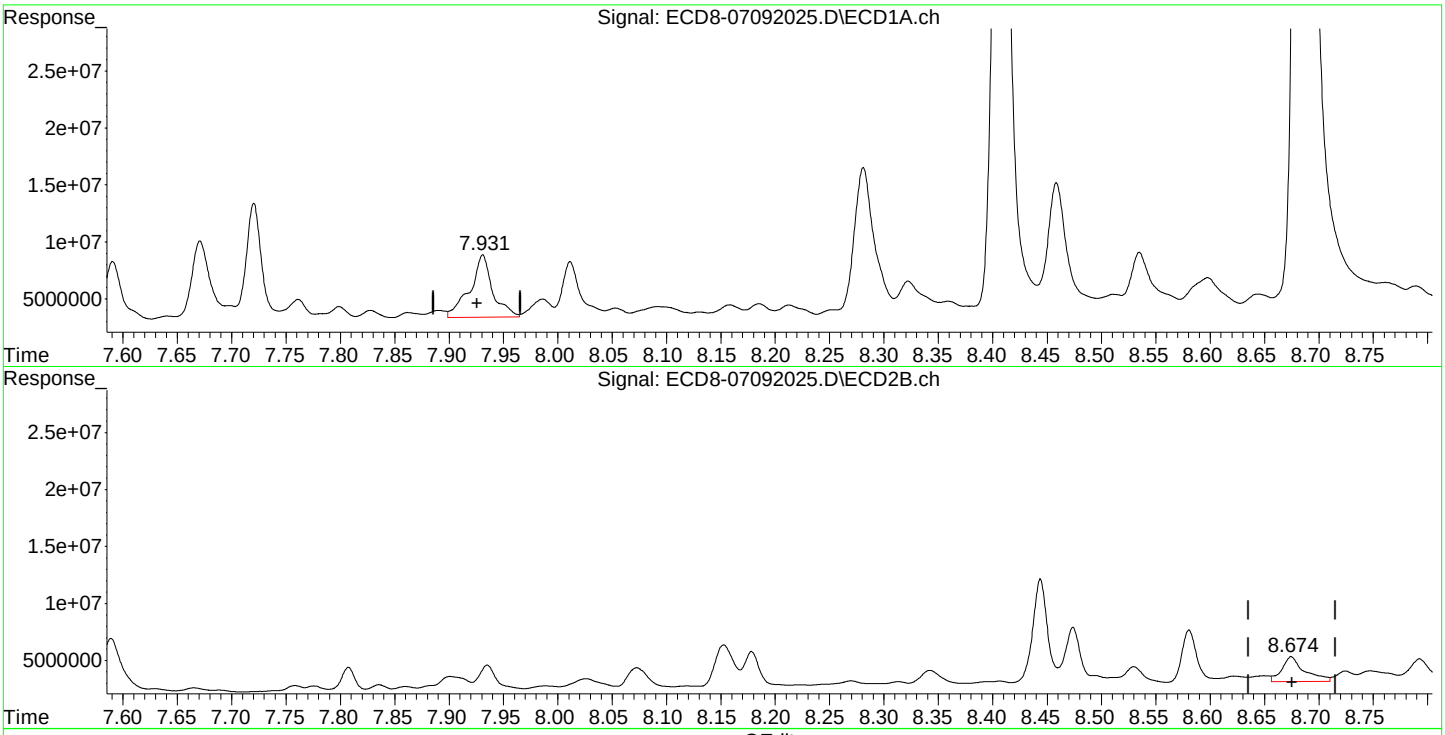
(15) 4,4'-DDD #2
8.444min 3.482 ng/mL
response 9238503

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(17) 4,4'-DDT
7.931min 2.399 ng/mL
response 5455463

MJB 7/10/20

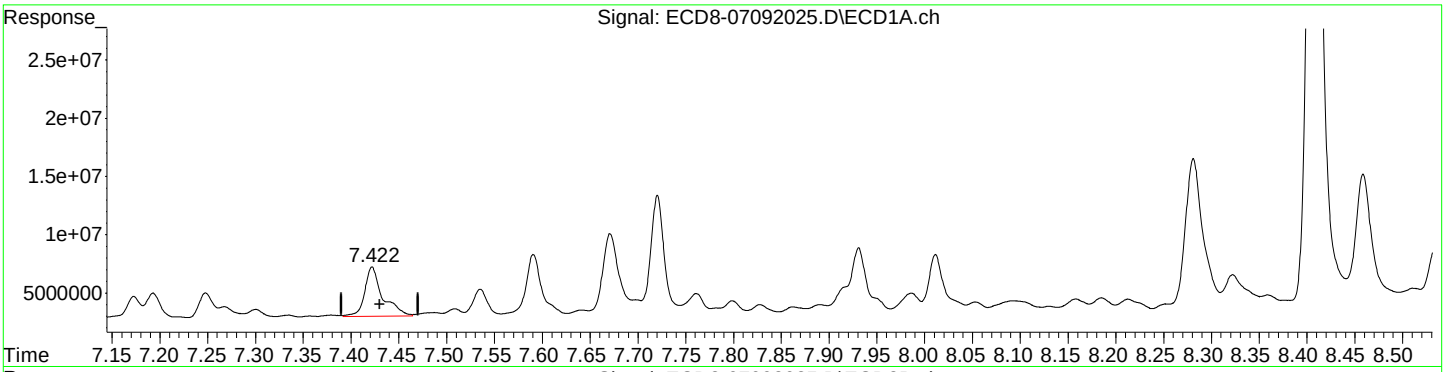
(17) 4,4'-DDT #2
8.675min 0.845 ng/mL
response 2194687

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(28) 2,4'-DDD
7.422min 2.066 ng/mL
response 4223158

MJB 7/10/20

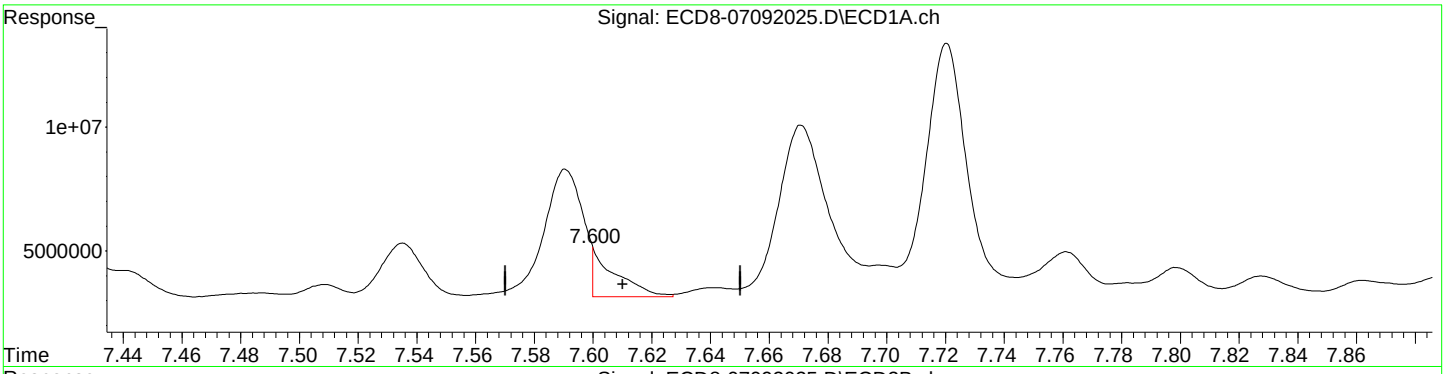
(28) 2,4'-DDD #2
8.178min 1.497 ng/mL
response 3111822

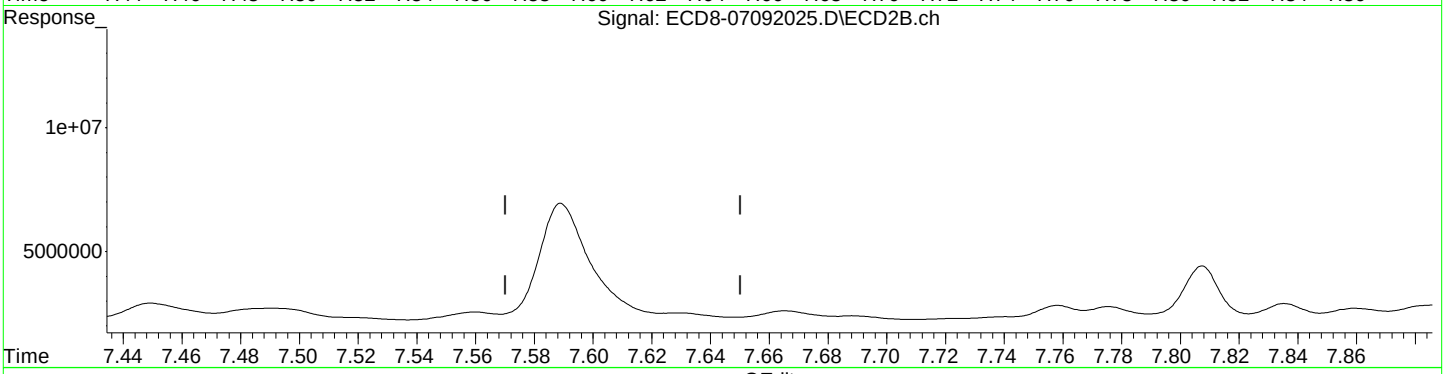
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





QEdit

(29) 2,4'-DDT
7.600min 0.941 ng/mL m
response 2021177

MJB 7/10/20

(29) 2,4'-DDT #2
8.407min -0.007 ng/mL
response 302443

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.115	5.677	3786213	3562455	1.038	1.003	
22) S	DCBP (S)	9.311	10.190	4790853	8569490	1.483	3.557	#
	Target Compounds							
2)	a-BHC	5.660	6.276	154922	98611	0.032	0.021	#
3)	g-BHC	5.942	6.599	406442	297130	0.095	0.070	#
4)	b-BHC	6.005	6.672	140244	940492	0.078	0.515	#
5)	Heptachlor	6.345	6.953	940088	368853	0.238	0.087	#
6)	d-BHC	6.174	6.901f	310602	522834	0.124	0.176	#
7)	Aldrin	6.563	7.220	1034261	217932	0.240	0.054	#
8)	Heptachlo...	7.049	7.666	1183218	362214	0.299	0.096	#
9)	trans-Chl...	7.139	7.808	76185	2069677	0.019	0.542	#
10)	cis-Chlor...	7.248	7.935	2115694	2134197	0.376	0.573	#
11)	Endosulfa...	7.335	7.988f	167062	280815	0.045	0.083	#
12)	4,4'-DDE	7.301	8.026	682979	848985	0.186	0.263	#
13)	Dieldrin	7.509	8.178	572778	3111822	0.142	0.807	#
14)	Endrin	7.671	8.395	6870932	260912	2.036	0.088	#
15)	4,4'-DDD	7.721	8.444	10134631	9238503	3.552	3.482	
16)	Endosulfa...	7.828	8.530	656660	1445620	0.216	0.478	#
17)	4,4'-DDT	7.931	8.675	5455463	2194687	2.399	0.845	#
18)	Endrin Al...	8.129	8.793	272525	1896758	BelowCal	0.656	
19)	Endosulfa...	8.408	8.977	73971061	10442719	25.047	3.522	#
20)	Methoxychlor	8.281	9.165	12837552	10445881	11.843	8.426	#
21)	Endrin Ke...	8.598	9.360	2869249	5186997	0.804	1.544	#
23)	Hexachlor...	2.885	3.369	96411	135600	BelowCal	BelowCal	
24)	Hexachlor...	5.477	6.152	1316999	216686	0.241	BelowCal	#
25)	Oxychlordane	6.943f	7.589	1277738	4734915	0.210	1.403	#
26)	2,4'-DDE	7.049	7.808	1183218	2069677	0.494	0.736	#
27)	trans-Non...	7.248	7.859	2115694	322844	0.331	BelowCal	#
28)	2,4'-DDD	7.422	8.178	4223158	3111822	2.066	1.497	#
29)	2,4'-DDT	7.591	8.407	5146869	302443	2.663	BelowCal	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

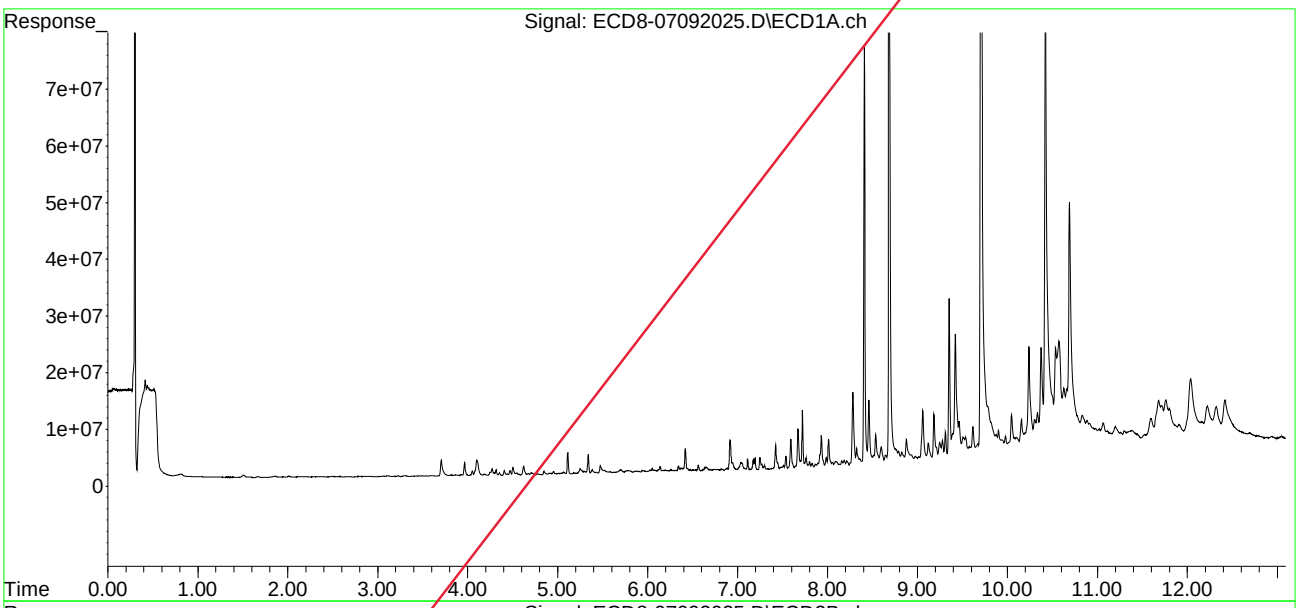
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.698	8.444	1193828	9238503	0.290	2.311	#
31)	Mirex	8.359	9.360	1046843	5186997	0.107	2.035	#
32)	Chlordane...	7.193	7.901	2133556	1187645	5.165	2.742	#
33)	Chlordane...	7.301	7.988	682979	280815	1.327	0.770	#
34)	Chlordane...	7.862	8.650	447795	546218	3.464	4.579	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.268	8.224	916565	139696	53.917	4.257	#
37)	Toxaphene...	7.591	8.581	5146869	4632125	160.202	108.774	#
38)	Toxaphene...	7.891	8.622	605101	543362	8.341	8.599	
39)	Toxaphene...	8.129	8.675	272525	2194687	BelowCal	5.873	
40)	Toxaphene...	8.359	8.867	1046843	622913	20.099	10.609	#
41)	Toxaphene...	8.408	9.226	73971061	83655683	1002.367	1302.121	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

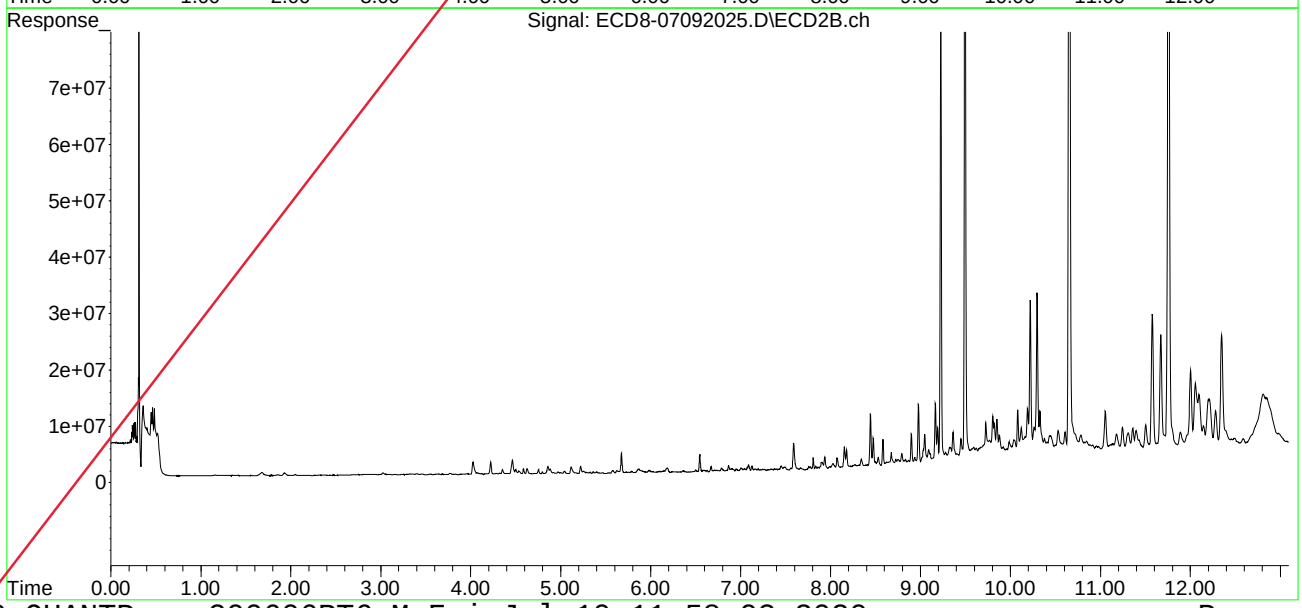
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 18:32
Operator : MJB
Sample : A0F0667-01RE3@20
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 11:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:23
Operator : MJB
Sample : 0G09046-CCV5
Misc : A20E232, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.115	5.676	189.1E6	160.1E6	51.854	45.091	
22)	S	DCBP (S)	9.312	10.194	143.0E6	127.4E6	49.944	53.294	
		Target Compounds							
2)		a-BHC	5.651	6.282	277.3E6	237.4E6	56.909	49.804	
3)		g-BHC	5.933	6.599	230.1E6	211.0E6	53.877	49.418	
4)		b-BHC	6.012	6.668	76881234	75059386	42.639	41.064	
5)		Heptachlor	6.341	6.966	232.3E6	216.2E6	58.745	51.027	
6)		d-BHC	6.160	6.921	161.4E6	173.7E6	43.977	43.576	
7)		Aldrin	6.580	7.227	230.9E6	207.1E6	53.556	51.652	
8)		Heptachlo...	7.041	7.667	203.1E6	190.0E6	51.391	50.478	
9)		trans-Chl...	7.137	7.807	197.6E6	190.4E6	49.108	49.872	
10)		cis-Chlor...	7.233	7.914	197.0E6	183.5E6	52.297	49.259	
11)		Endosulfa...	7.327	7.962	211.0E6	168.2E6	57.310	49.575	
12)		4,4'-DDE	7.307	8.033	158.7E6	156.0E6	43.290	43.840	
13)		Dieldrin	7.499	8.161	219.0E6	197.1E6	54.259	51.116	
14)		Endrin	7.662	8.386	167.8E6	145.4E6	49.710	49.197	
15)		4,4'-DDD	7.726	8.447	125.1E6	129.3E6	43.858	45.212	
16)		Endosulfa...	7.818	8.535	162.5E6	155.2E6	53.395	51.337	
17)		4,4'-DDT	7.921	8.670	131.0E6	128.8E6	52.879	47.154	
18)		Endrin Al...	8.107	8.773	150.8E6	140.8E6	53.940	48.660	
19)		Endosulfa...	8.406	8.964	154.5E6	139.9E6	52.301	47.183	
20)		Methoxychlor	8.265	9.156	60003714	61922054	52.392	47.522	
21)		Endrin Ke...	8.599	9.358	202.3E6	175.9E6	56.723	52.362	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.494	6.106f	390675	84063	BelowCal	BelowCal	
25)		Oxychlordane	6.978	7.610	832446	8161	0.069	BelowCal	#
26)		2,4'-DDE	7.041	7.807	203.1E6	190.4E6	84.861	81.386	
27)		trans-Non...	7.233	7.864	197.0E6	916993	55.884	0.025	#
28)		2,4'-DDD	0.000	8.161f	0	197.1E6	N.D.	94.822	#
29)		2,4'-DDT	7.606	8.386f	894970	145.4E6	0.319	69.466	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:23
Operator : MJB
Sample : 0G09046-CCV5
Misc : A20E232, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

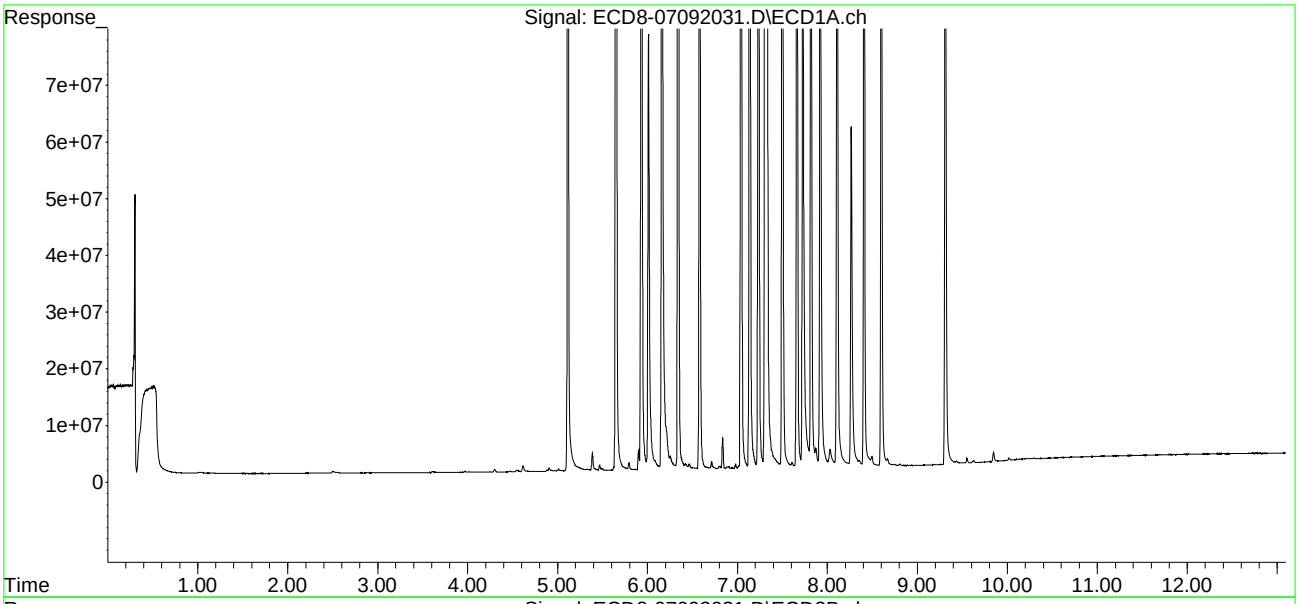
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.726f	8.447	125.1E6	129.3E6	30.433	32.343	
31)	Mirex	8.353	9.358	1020262	175.9E6	0.096	75.941	#
32)	Chlordane...	7.233f	7.914f	197.0E6	183.5E6	476.908	423.708	
33)	Chlordane...	7.307	8.033f	158.7E6	156.0E6	308.381	427.466	#
34)	Chlordane...	7.870f	8.670	3359939	128.8E6	25.990	1080.246	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.307f	8.262f	158.7E6	270950	8486.811	8.257	#
37)	Toxaphene...	7.606f	8.613f	894970	909609	24.765	21.360	
38)	Toxaphene...	7.870	8.613	3359939	909609	46.314	14.396	#
39)	Toxaphene...	8.107f	8.670	150.8E6	128.8E6	2145.428	1204.518	#
40)	Toxaphene...	8.353	8.858	1020262	5951736	19.589	101.365	#
41)	Toxaphene...	8.406	9.234	154.5E6	1020022	2093.083	15.877	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

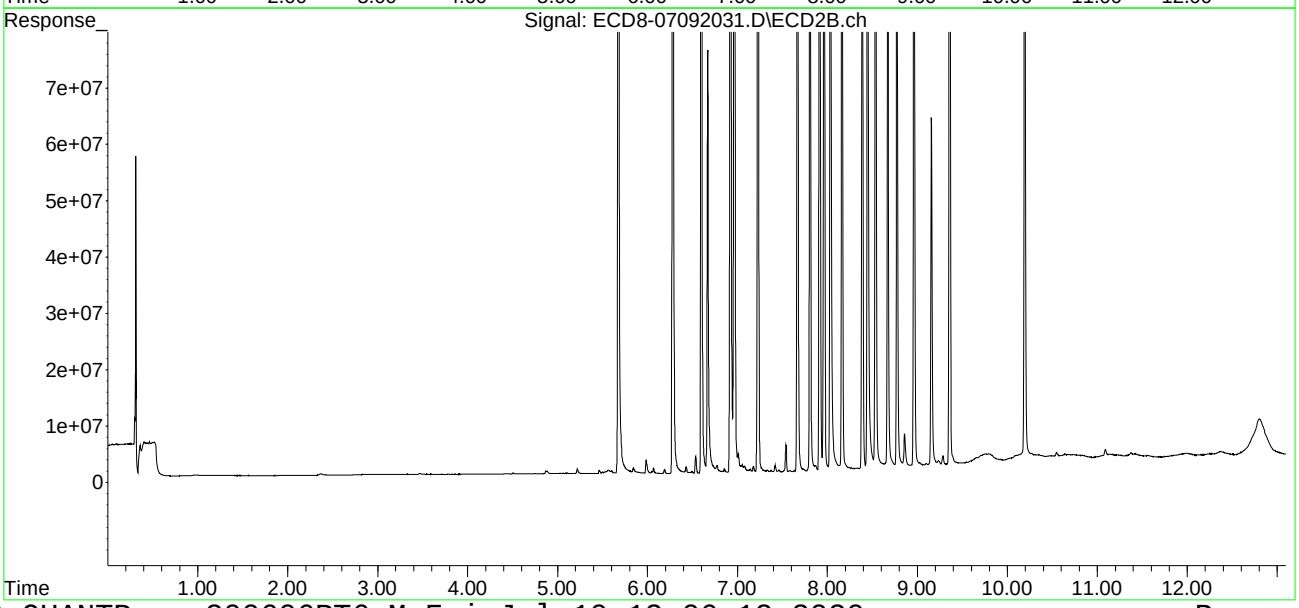
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:23
Operator : MJB
Sample : 0G09046-CCV5
Misc : A20E232, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:39
Operator : MJB
Sample : 0G09046-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.088f	5.676	2371594	18574	0.650	0.005	#
22) S	DCBP (S)	9.314	10.200	66739	2908434	BelowCal	1.078	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	5.930	6.584	99955	74199	0.023	0.017	#
4)	b-BHC	6.000	6.676	126261	57294	0.070	0.031	#
5)	Heptachlor	6.341	6.965	456448	458542	0.115	0.108	
6)	d-BHC	6.140f	6.930	157701	54749	0.079	0.050	#
7)	Aldrin	6.590	7.226	62847	79398	0.015	0.020	#
8)	Heptachlo...	7.056	7.706f	99710680	597809	25.230	0.159	#
9)	trans-Chl...	7.137	7.809	3245359	99758081	0.807	26.128	#
10)	cis-Chlor...	7.227	7.914	188.1E6	6701198	50.007	1.799	#
11)	Endosulfa...	7.334	7.980	2495494	740331	0.678	0.218	#
12)	4,4'-DDE	7.314	8.025	900512	515196	0.246	0.162	#
13)	Dieldrin	7.470f	8.182	7137927	86603210	1.768	22.463	#
14)	Endrin	7.695f	8.403	198.7E6	98933857	58.872	33.464	#
15)	4,4'-DDD	7.695f	8.435	198.7E6	187.0E6	69.628	63.292	
16)	Endosulfa...	7.816	0.000	413325	0	0.136	N.D.	#
17)	4,4'-DDT	7.923	8.673	215298	511242	0.104	0.168	#
18)	Endrin Al...	8.118	8.777	285743	437472	BelowCal	0.151	
19)	Endosulfa...	0.000	8.967	0	370915	N.D.	0.125	#
20)	Methoxychlor	8.274	9.164	21327	345316	BelowCal	0.131	
21)	Endrin Ke...	8.609	9.343f	467032	115.0E6	0.131	34.253	#
23)	Hexachlor...	2.882	3.372	186.6E6	207.1E6	49.346	47.176	
24)	Hexachlor...	5.493	6.141	160.8E6	126.3E6	50.905	41.801	
25)	Oxychlordane	6.970	7.596	168.5E6	154.7E6	52.262	50.775	
26)	2,4'-DDE	7.056	7.809	99710680	99758081	41.662	44.624	
27)	trans-Non...	7.227	7.871	188.1E6	168.1E6	53.410	49.656	
28)	2,4'-DDD	7.426	8.182	85289909	86603210	44.091	41.669	
29)	2,4'-DDT	7.607	8.403	100.8E6	98933857	52.453	48.923	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:39
Operator : MJB
Sample : 0G09046-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

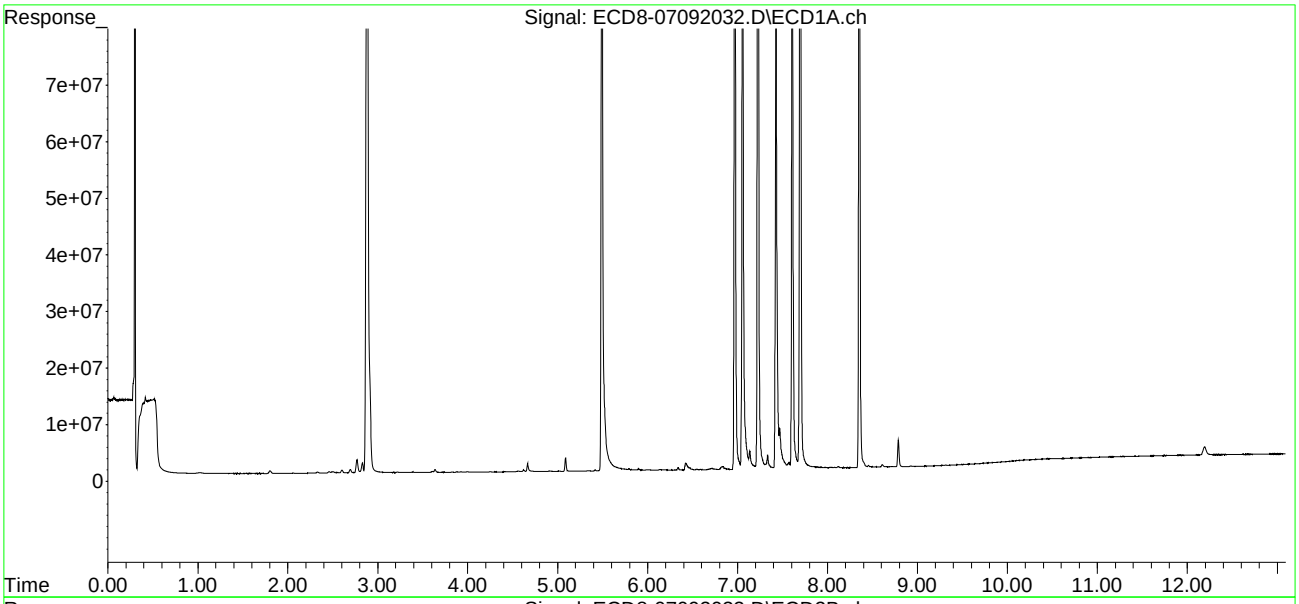
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.695	8.435	198.7E6	187.0E6	48.315	46.795	
31)	Mirex	8.354	9.343	128.7E6	115.0E6	52.230	50.139	
32)	Chlordane...	7.227	7.871	188.1E6	168.1E6	455.403	388.171	
33)	Chlordane...	7.314	7.980	900512	740331	1.750	2.029	
34)	Chlordane...	7.845	8.673	332810	511242	2.574	4.286	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.314f	8.245	900512	1237726	52.901	37.720	#
37)	Toxaphene...	7.574	8.604f	1152451	551827	32.961	12.958	#
38)	Toxaphene...	7.885	8.604	256465	551827	3.535	8.733	#
39)	Toxaphene...	8.118	8.673	285743	511242	BelowCal	BelowCal	
40)	Toxaphene...	8.354	8.869	128.7E6	448837	2470.181	7.644	#
41)	Toxaphene...	8.455f	9.230	383922	486748	5.202	7.576	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

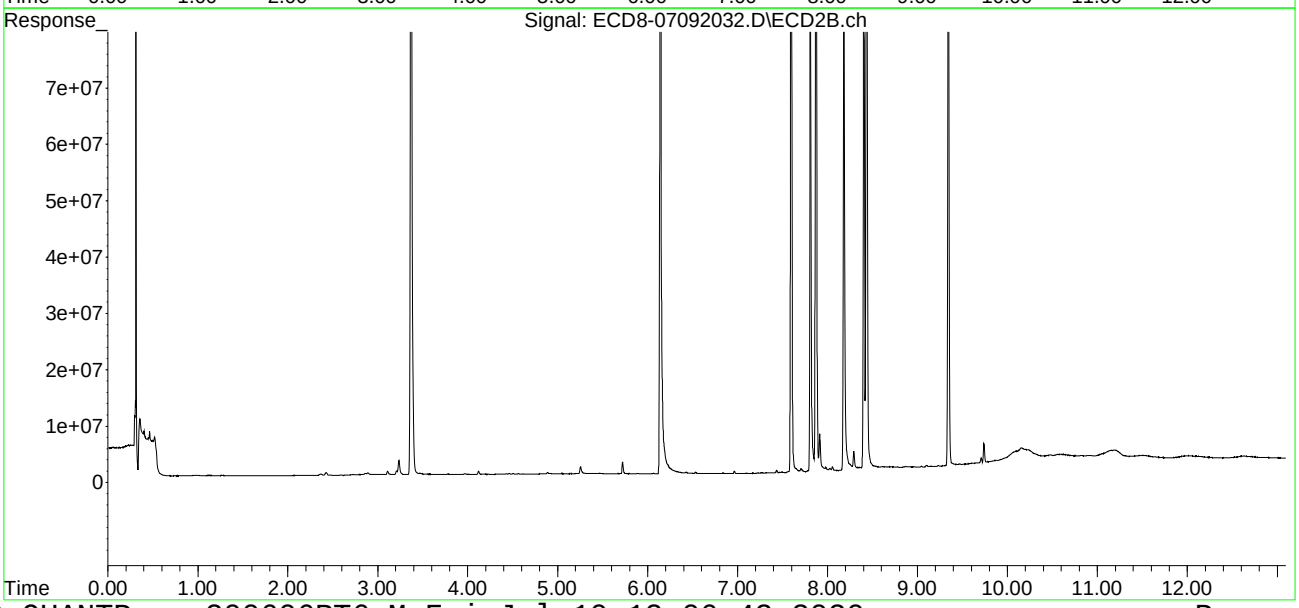
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:39
Operator : MJB
Sample : 0G09046-CCV6
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:56
Operator : MJB
Sample : 0G09046-CCB3
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

MJB 7/10/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.113	5.675	371.6E6	327.3E6	101.877	92.188	
22)	S	DCBP (S)	9.313	10.195	279.3E6	247.7E6	96.756	99.766	
		Target Compounds							
2)		a-BHC	5.657	6.268	15280	38777	0.003	0.008	#
3)		g-BHC	5.945	6.604	9058	14746	0.002	0.003	#
4)		b-BHC	6.013	6.675	46287	18519	0.026	0.010	#
5)		Heptachlor	6.348	6.983	12326	109892	0.003	0.026	#
6)		d-BHC	6.166	6.925	30991	36824	0.042	0.045	
7)		Aldrin	6.565	7.225	271672	23697	0.063	0.006	#
8)		Heptachlo...	7.054	7.668	12089	91965	0.003	0.024	#
9)		trans-Chl...	7.131	7.807	141189	55885	0.035	0.015	#
10)		cis-Chlor...	7.229	7.913	27108	116463	BelowCal	0.031	
11)		Endosulfa...	7.334	0.000	17263	0	0.005	N.D.	#
12)		4,4'-DDE	7.309	8.041	10159	22369	0.003	0.013	#
13)		Dieldrin	7.498	8.165	28598	28849	0.007	0.007	
14)		Endrin	7.671	8.409	18500	29834	0.005	0.010	#
15)		4,4'-DDD	7.736	8.460	41873	32654	0.015	BelowCal	#
16)		Endosulfa...	7.822	8.536	42205	46984	0.014	0.016	
17)		4,4'-DDT	7.928	8.670	12315	29898	0.015	BelowCal	#
18)		Endrin Al...	8.114	8.777	62388	102832	BelowCal	0.036	
19)		Endosulfa...	8.410	8.966	110316	182080	0.037	0.061	#
20)		Methoxychlor	8.267	9.153	97903	243588	BelowCal	0.046	
21)		Endrin Ke...	8.607	9.359	450893	343257	0.126	0.102	
23)		Hexachlor...	0.000	3.398f	0	54718	N.D.	BelowCal	
24)		Hexachlor...	5.494	6.184f	672936	85648	0.029	BelowCal	#
25)		Oxychlordane	6.971	7.594	16672	108313	BelowCal	BelowCal	
26)		2,4'-DDE	7.054	7.807	12089	55885	0.005	BelowCal	#
27)		trans-Non...	7.229	7.913f	27108	116463	BelowCal	BelowCal	
28)		2,4'-DDD	7.429	8.183	18245	26945	BelowCal	0.013	
29)		2,4'-DDT	7.595	8.409	116301	29834	BelowCal	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:56
Operator : MJB
Sample : 0G09046-CCB3
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation

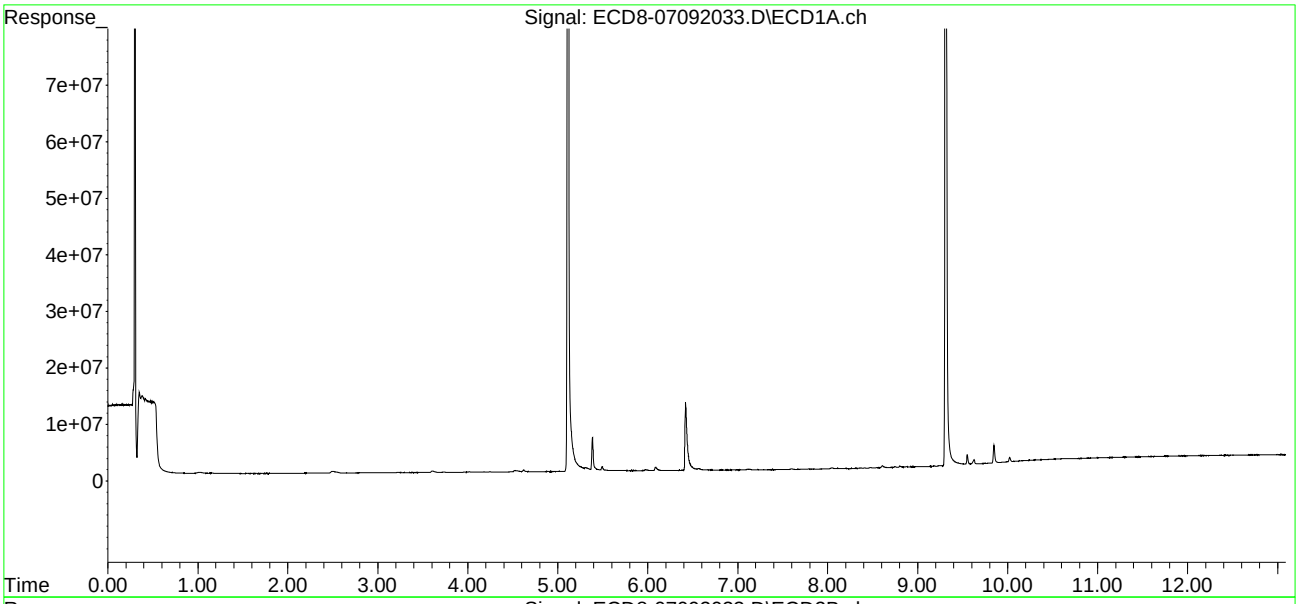
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	7.695	8.460	29348	32654	0.007	0.008	
31)	Mirex	8.366	9.359	142338	343257	BelowCal	BelowCal	
32)	Chlordane...	7.229f	7.913f	27108	116463	0.066	0.269	#
33)	Chlordane...	7.309	8.013	10159	12322	0.020	0.034	#
34)	Chlordane...	7.846	8.657	31890	32010	0.247	0.268	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.292	8.227	21521	13463	BelowCal	0.410	
37)	Toxaphene...	7.595	8.557	116301	20876	175388.445	0.490	#
38)	Toxaphene...	7.873	8.612	12843	113188	0.177	1.791	#
39)	Toxaphene...	8.132	8.670	37402	29898	BelowCal	BelowCal	
40)	Toxaphene...	8.366	8.866	142338	85839	2.733	1.462	#
41)	Toxaphene...	8.410	9.245	110316	226522	1.495	3.526	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

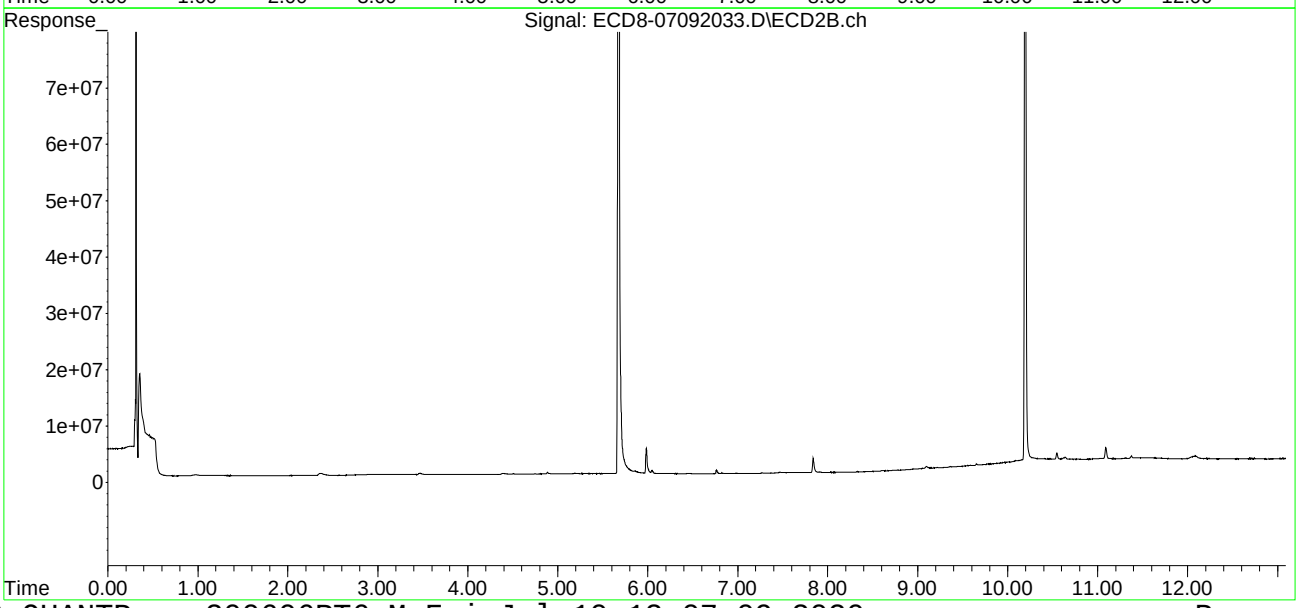
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-07\0G09046\
Data File : ECD8-07092033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Jul 2020 20:56
Operator : MJB
Sample : 0G09046-CCB3
Misc : A20F379
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jul 10 12:06:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606RT6.M
Quant Title : Instrument: DualECD8
QLast Update : Wed Jun 17 08:38:46 2020
Response via : Initial Calibration
Integrator: ChemStation





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

Organochloride Pesticides by EPA 8081B
Calibration Data

Sequence 0F06008 (Cal ID A0F0804) DUALECD8

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**0F06008**	Instrument:	**DUALECD8**
Date:	**06/06/20 14:30**	Calibration:	**A0F0804**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F06008-BKD1	Water	QC	QC				A20E203
2	0F06008-ICB1	Water	QC	QC				A20F087
3	0F06008-CAL1	Water	QC	QC				A20F080
4	0F06008-CAL2	Water	QC	QC				A20F081
5	0F06008-CAL3	Water	QC	QC				A20C179
6	0F06008-CAL4	Water	QC	QC				A20C180
7	0F06008-CAL5	Water	QC	QC				A20C181
8	0F06008-CAL6	Water	QC	QC				A20C182
9	0F06008-CAL7	Water	QC	QC				A20E232
10	0F06008-CAL8	Water	QC	QC				A20E233
11	0F06008-CAL9	Water	QC	QC				A20C177
12	0F06008-IBL1	Water	QC	QC				
13	0F06008-ICV1	Water	QC	QC				A20C164
14	0F06008-CALA	Water	QC	QC				A20F082
15	0F06008-CALB	Water	QC	QC				A20C353
16	0F06008-CALC	Water	QC	QC				A20C354
17	0F06008-CALD	Water	QC	QC				A20C355
18	0F06008-CALE	Water	QC	QC				A20C356
19	0F06008-CALF	Water	QC	QC				A20C357
20	0F06008-CALG	Water	QC	QC				A20C358
21	0F06008-CALH	Water	QC	QC				A20C359
22	0F06008-CALI	Water	QC	QC				A20C352
23	0F06008-IBL2	Water	QC	QC				
24	0F06008-ICV2	Water	QC	QC				A20C360
25	0F06008-CALJ	Water	QC	QC				A20F083
26	0F06008-CALK	Water	QC	QC				A20F057
27	0F06008-CALL	Water	QC	QC				A20F058
28	0F06008-CALM	Water	QC	QC				A20F059
29	0F06008-CALN	Water	QC	QC				A20F060
30	0F06008-CALO	Water	QC	QC				A20F061
31	0F06008-CALP	Water	QC	QC				A20F056
32	0F06008-IBL3	Water	QC	QC				
33	0F06008-ICV3	Water	QC	QC				A20F062
34	0F06008-CALQ	Water	QC	QC				A20F084
35	0F06008-CALR	Water	QC	QC				A20F064
36	0F06008-CALS	Water	QC	QC				A20F065
37	0F06008-CALT	Water	QC	QC				A20F066
38	0F06008-CALU	Water	QC	QC				A20D430
39	0F06008-CALV	Water	QC	QC				A20D431
40	0F06008-CALW	Water	QC	QC				A20F063
41	0F06008-IBL4	Water	QC	QC				
42	0F06008-ICV4	Water	QC	QC				A20F067

Comments: ICAL

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

Data Reviewed By/Date: [illegible] 6/8/20

Calibration Status Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200606.M
Title : Instrument: DualECD8
Last Update : Sun Jun 07 14:07:09 2020
Response Via : Initial Calibration

A0F0604

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062036.D
2	2	50	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062037.D
3	3	100	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062038.D
4	4	200	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062039.D
5	5	500	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062040.D
6	6	1000	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062041.D
7	7	2000	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062042.D
8	8	-1	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062023.D
9	9	-1	0	C:\msdchem\1\data\2020-06\0F06008\ECD8-06062024.D

MB 6/8/20

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jun 07 14:06 2020	Jun 07 13:50 2020	7 Jun 2020 00:23
2	2	Jun 07 14:06 2020	Jun 07 13:51 2020	7 Jun 2020 00:39
3	3	Jun 07 14:06 2020	Jun 07 13:51 2020	7 Jun 2020 00:56
4	4	Jun 07 14:06 2020	Jun 07 13:52 2020	7 Jun 2020 1:12
5	5	Jun 07 14:06 2020	Jun 07 13:49 2020	7 Jun 2020 1:29
6	6	Jun 07 14:07 2020	Jun 07 13:52 2020	7 Jun 2020 1:45
7	7	Jun 07 14:07 2020	Jun 07 13:53 2020	7 Jun 2020 2:02
8	8	Jun 07 14:05 2020	Jun 07 13:42 2020	6 Jun 2020 20:48
9	9	Jun 07 14:05 2020	Jun 07 13:42 2020	6 Jun 2020 21:04

ECD8_QUANTPEST_200606.M Mon Jun 08 11:13:32 2020

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200606.M
Title : Instrument: DualECD8
Last Update : Sun Jun 07 14:07:09 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD8-06062036.D 2 =ECD8-06062037.D 3 =ECD8-06062038.D 4 =ECD8-06062039.D 5 =ECD8-06062040.D
6 =ECD8-06062041.D 7 =ECD8-06062042.D 8 =ECD8-06062023.D 9 =ECD8-06062024.D

		Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1)	S	TCMX (S)	4.090	3.739	3.473	3.499	3.499	3.469	3.581	3.722	3.753	3.647 E6	5.58
2)		a-BHC	4.872	4.659	4.467	4.645	4.794	4.752	5.076	5.317	5.276	4.873 E6	6.00
3)		g-BHC	4.433	4.063	3.889	4.077	4.131	4.229	4.445	4.573	4.595	4.271 E6	5.86
4)		b-BHC	2.059	1.828	1.692	1.687	1.656	1.707	1.804	1.892	1.902	1.803 E6	7.35
5)		Heptachlor	4.179	3.783	3.595	3.672	3.864	3.911	4.000	4.305	4.274	3.954 E6	6.48
6)		d-BHC	3.341	3.148	3.066	3.334	3.453	3.629	3.961	4.251	4.426	3.623 E6	13.39
7)		Aldrin	4.433	4.211	4.018	4.218	4.211	4.254	4.392	4.542	4.527	4.312 E6	4.01
8)		Heptachlor Exp...	4.486	3.938	3.693	3.764	3.780	3.795	3.904	4.139	4.070	3.952 E6	6.28
9)		trans-Chlordane	4.654	4.057	3.751	3.784	3.822	3.808	4.016	4.095	4.226	4.023 E6	7.16
10)		cis-Chlordane	5.178	4.335	3.894	3.726	3.711	3.732	3.891	3.969	4.058	4.055 E6	11.47
11)		Endosulfan I	4.021	3.674	3.488	3.554	3.562	3.519	3.726	3.777	3.808	3.681 E6	4.67
12)		4,4'-DDE	3.663	3.469	3.362	3.461	3.570	3.621	3.803	3.935	4.100	3.665 E6	6.57
13)		Dieldrin	4.178	3.835	3.667	3.964	3.928	3.979	4.210	4.279	4.289	4.037 E6	5.33
14)		Endrin	3.460	3.240	3.103	3.147	3.382	3.305	3.438	3.628	3.669	3.375 E6	5.84
15)		4,4'-DDD	2.757	2.642	2.522	2.703	2.732	2.827	3.019	3.156	3.321	2.853 E6	9.10
16)		Endosulfan II	3.380	2.878	2.781	2.862	2.890	2.913	3.091	3.256	3.335	3.043 E6	7.49
17)		4,4'-DDT	2.354	2.126	2.090	2.124	2.317	2.518	2.666	2.783	2.926	2.434 E6	12.61
18)		Endrin Aldehyde	3.760	3.347	3.038	2.830	2.768	2.708	2.769	2.895	2.950	3.007 E6	11.36
19)		Endosulfan Sul...	3.285	3.005	2.732	2.755	2.757	2.846	2.968	3.122	3.110	2.953 E6	6.60
20)		Methoxychlor	1.385	1.189	1.042	1.031	1.111	1.133	1.188	1.297	1.352	1.192 E6	10.79
21)		Endrin Ketone	4.227	3.684	3.341	3.282	3.276	3.386	3.507	3.650	3.747	3.567 E6	8.54
22)	S	DCBP (S)	4.026	3.477	3.037	2.960	2.895	2.802	2.937	2.920	2.920	3.108 E6	12.69
23)		Hexachlorobuta...	5.026	4.817	4.095	3.966	3.804	3.812	3.622	3.634	3.891	4.074 E6	12.41
24)		Hexachlorobenzene	4.140	3.808	3.337	3.029	3.038	3.195	3.201	3.280	3.420	3.383 E6	10.86
25)		Oxychlordane	4.249	4.069	3.426	3.182	3.181	3.270	3.147	3.269	3.404	3.466 E6	11.73
26)		2,4'-DDE	2.901	2.683	2.295	2.129	2.208	2.332	2.256	2.313	2.423	2.393 E6	10.30
27)		trans-Nonachlor	5.414	4.424	3.797	3.563	3.521	3.604	3.539	3.664	3.681	3.912 E6	16.05
28)		2,4'-DDD	2.567	2.380	1.957	1.877	1.873	1.993	1.950	2.041	2.142	2.087 E6	11.44
29)		2,4'-DDT	2.435	2.238	1.840	1.755	1.804	2.013	1.983	2.086	2.156	2.034 E6	10.87
30)		cis-Nonachlor	4.994	4.619	4.035	3.783	3.795	3.897	3.879	3.968	4.037	4.112 E6	10.09
31)		Mirex	3.904	3.450	2.802	2.556	2.442	2.514	2.436	2.440	2.516	2.784 E6	19.05
32)		Chlordane (1)	4.409	3.855	3.873	3.897	4.173	4.254	4.454			4.131 E5	6.21
33)		Chlordane (2)	5.648	4.880	4.920	4.765	5.149	5.216	5.438			5.145 E5	6.20
34)		Chlordane (3)	1.512	1.206	1.207	1.192	1.285	1.294	1.353			1.293 E5	8.74
35)		Chlordane - AVE										0.000	-1.00
36)		Toxaphene (1)	2.232	1.734	1.662	1.596	1.599	1.592	1.662			1.725 E4	13.29
37)		Toxaphene (2)	4.283	3.503	3.335	3.118	3.059	3.084	3.165			3.364 E4	12.94
38)		Toxaphene (3)	8.667	6.860	6.846	6.691	7.144	7.258	7.316			7.255 E4	9.16
39)		Toxaphene (4)	1.189	0.717	0.669	0.641	0.643	0.668	0.690			0.745 E5	26.48
40)		Toxaphene (5)	5.990	4.886	4.962	4.784	5.097	5.284	5.455			5.208 E4	7.98
41)		Toxaphene (6)	8.607	6.954	6.836	6.830	7.108	7.516	7.806			7.380 E4	8.85
42)		Toxaphene - AVE										0.000	-1.00

MJR 6/8/20

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200606.M
Title : Instrument: DualECD8

Signal #2 Calibration Files
1 =ECD8-06062036.D 2 =ECD8-06062037.D 3 =ECD8-06062038.D
4 =ECD8-06062039.D 5 =ECD8-06062040.D 6 =ECD8-06062041.D

		Compound	1	2	3	4	5	6	Avg		%RSD
44)	S	TCMX (S) #2	4.082	3.665	3.136	3.184	3.187	3.311	3.577	3.856 3.952 3.550 E6	10.18
45)		a-BHC #2	4.536	4.299	4.205	4.441	4.628	4.719	5.064	5.356 5.648 4.766 E6	10.30
46)		g-BHC #2	4.283	3.940	3.809	3.918	4.102	4.249	4.551	4.659 4.912 4.269 E6	8.75
47)		b-BHC #2	2.138	1.907	1.680	1.664	1.678	1.682	1.799	1.931 1.973 1.828 E6	9.23
48)		Heptachlor #2	4.575	4.131	3.780	3.839	4.058	4.104	4.344	4.675 4.629 4.237 E6	7.92
49)		d-BHC #2	3.572	3.489	3.402	3.618	3.657	4.003	4.222	4.664 4.773 3.933 E6	13.07
50)		Aldrin #2	4.047	3.671	3.628	3.793	3.945	3.990	4.119	4.375 4.524 4.010 E6	7.50
51)		Heptachlor Exp...	4.061	3.756	3.483	3.538	3.671	3.571	3.769	3.983 4.050 3.765 E6	5.89
52)		trans-Chlordan...	4.273	3.715	3.484	3.545	3.566	3.641	3.838	4.114 4.187 3.818 E6	7.87
53)		cis-Chlordane #2	4.314	3.733	3.472	3.400	3.378	3.612	3.800	3.890 3.934 3.726 E6	8.08
54)		Endosulfan I #2	3.638	3.245	3.145	3.163	3.187	3.251	3.438	3.700 3.762 3.392 E6	7.31
55)		4,4'-DDE #2	3.427	3.126	3.020	3.224	3.334	3.631	3.818	4.054 4.306 3.549 E6	12.34
56)		Dieldrin #2	3.882	3.632	3.445	3.558	3.602	3.779	4.052	4.344 4.405 3.855 E6	8.97
57)		Endrin #2	3.089	2.730	2.661	2.646	2.810	2.885	3.068	3.273 3.445 2.956 E6	9.50
58)		4,4'-DDD #2	2.867	2.582	2.395	2.508	2.661	2.887	3.123	3.345 3.516 2.876 E6	13.41
59)		Endosulfan II #2	3.230	2.841	2.757	2.783	2.777	2.935	3.139	3.229 3.523 3.024 E6	8.89
60)		4,4'-DDT #2	2.795	2.507	2.260	2.328	2.531	2.809	2.950	3.241 3.358 2.753 E6	13.96
61)		Endrin Aldehyd...	3.437	3.155	2.859	2.597	2.580	2.586	2.802	2.988 3.036 2.893 E6	10.10
62)		Endosulfan Sul...	3.185	2.906	2.740	2.699	2.649	2.811	3.081	3.260 3.355 2.965 E6	8.84
63)		Methoxychlor #2	1.595	1.408	1.198	1.192	1.280	1.313	1.339	1.429 1.595 1.372 E6	10.93
64)		Endrin Ketone #2	3.839	3.295	3.005	3.027	3.030	3.227	3.460	3.605 3.743 3.359 E6	9.50
65)	S	DCBP (S) #2	3.200	2.733	2.449	2.358	2.313	2.358	2.423	2.563 2.636 2.559 E6	10.87
66)		Hexachlorobuta...	5.662	5.391	4.629	4.533	4.332	4.447	4.214	4.288 4.785 4.698 E6	10.77
67)		Hexachlorobenz...	3.915	3.490	3.007	2.718	2.774	3.189	3.185	3.378 3.648 3.256 E6	12.15
68)		Oxychlordane #2	4.156	3.680	3.159	2.952	2.917	3.137	3.079	3.222 3.312 3.291 E6	11.99
69)		2,4'-DDE #2	3.189	2.644	2.182	2.136	2.130	2.349	2.314	2.474 2.618 2.449 E6	13.80
70)		trans-Nonachlo...	4.909	4.150	3.639	3.275	3.327	3.491	3.365	3.586 3.683 3.714 E6	13.98
71)		2,4'-DDD #2	2.371	2.358	2.010	1.828	1.832	2.018	1.969	2.084 2.236 2.078 E6	9.81
72)		2,4'-DDT #2	2.483	2.244	1.842	1.790	1.883	2.088	2.079	2.309 2.477 2.133 E6	12.33
73)		cis-Nonachlor #2	4.687	4.362	3.778	3.551	3.709	3.854	3.796	3.945 4.289 3.997 E6	9.23
74)		Mirex #2	3.409	3.067	2.624	2.313	2.212	2.291	2.229	2.384 2.431 2.551 E6	16.35
75)		Chlordane (1) #2	4.482	3.900	4.035	3.945	4.480	4.646	4.833		4.331 E5	8.53
76)		Chlordane (2) #2	3.943	3.319	3.399	3.308	3.659	3.844	4.066		3.648 E5	8.57
77)		Chlordane (3) #2	1.378	1.106	1.088	1.053	1.197	1.218	1.310		1.193 E5	10.09
78)		Chlordane - AV...									0.000	-1.00
79)		Toxaphene (1) #2	3.725	3.338	3.187	3.087	3.168	3.208	3.256		3.281 E4	6.41
80)		Toxaphene (2) #2	4.550	4.055	4.059	4.060	4.161	4.356	4.569		4.258 E4	5.43
81)		Toxaphene (3) #2	7.373	6.099	5.828	5.829	6.030	6.334	6.736		6.319 E4	8.90
82)		Toxaphene (4) #2	2.581	1.169	1.056	1.022	1.058	1.087	1.134		1.301 E5	43.57
83)		Toxaphene (5) #2	6.964	5.396	5.383	5.393	5.693	5.895	6.377		5.872 E4	10.25
84)		Toxaphene (6) #2	7.425	6.044	5.802	5.862	6.181	6.663	6.996		6.425 E4	9.62
85)		Toxaphene - AV...									0.000	-1.00

(#) = Out of Range

Compound List Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200606.M
Title : Instrument: DualECD8
Last Update : Sun Jun 07 14:07:09 2020
Response Via : Initial Calibration

Total Cpnds : 85

MJZ 6/18/20

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.274	1.000	A	H	R
2		a-BHC	5.813	1.000	A	H	R
3		g-BHC	6.094	1.000	A	H	R
4		b-BHC	6.171	1.000	A	H	R
5		Heptachlor	6.504	1.000	A	H	R
6		d-BHC	6.319	1.000	Q	H	R
7		Aldrin	6.745	1.000	A	H	R
8		Heptachlor Expoxide	7.205	1.000	A	H	R
9		trans-Chlordane	7.301	1.000	A	H	R
10		cis-Chlordane	7.398	1.000	Q	H	R
11		Endosulfan I	7.494	1.000	A	H	R
12		4,4'-DDE	7.464	1.000	A	H	R
13		Dieldrin	7.666	1.000	A	H	R
14		Endrin	7.831	1.000	A	H	R
15		4,4'-DDD	7.884	1.000	A	H	R
16		Endosulfan II	7.987	1.000	A	H	R
17		4,4'-DDT	8.083	1.000	Q	H	R
18		Endrin Aldehyde	8.278	1.000	Q	H	R
19		Endosulfan Sulfate	8.580	1.000	A	H	R
20		Methoxychlor	8.423	1.000	Q	H	R
21		Endrin Ketone	8.774	1.000	A	H	R
22	S	DCBP (S)	9.481	1.000	Q	H	R
23		Hexachlorobutadiene	3.047	1.000	Q	H	R
24		Hexachlorobenzene	5.655	1.000	Q	H	R
25		Oxychlordane	7.134	1.000	Q	H	R
26		2,4'-DDE	7.214	1.000	A	H	R
27		trans-Nonachlor	7.391	1.000	Q	H	R
28		2,4'-DDD	7.585	1.000	Q	H	R
29		2,4'-DDT	7.768	1.000	Q	H	R
30		cis-Nonachlor	7.860	1.000	A	H	R
31		Mirex	8.526	1.000	Q	H	R
32		Chlordane (1)	7.302	1.000	A	H	R
33		Chlordane (2)	7.396	1.000	A	H	R
34		Chlordane (3)	7.944	1.000	A	H	R
35		Chlordane - AVE	0.000	1.000	A	H	R
36		Toxaphene (1)	7.376	1.000	Q	H	R
37		Toxaphene (2)	7.668	1.000	Q	H	R
38		Toxaphene (3)	7.980	1.000	A	H	R
39		Toxaphene (4)	8.221	1.000	Q	H	R
40		Toxaphene (5)	8.448	1.000	A	H	R
41		Toxaphene (6)	8.515	1.000	A	H	R
42		Toxaphene - AVE	0.000	1.000	A	H	R
43		Signal #2	0.000	1.000	A	H	R
44	S	TCMX (S) #2	5.847	1.000	A	H	R
45		a-BHC #2	6.453	1.000	A	H	R
46		g-BHC #2	6.772	1.000	A	H	R
47		b-BHC #2	6.838	1.000	A	H	R
48		Heptachlor #2	7.142	1.000	A	H	R
49		d-BHC #2	7.091	1.000	Q	H	R
50		Aldrin #2	7.406	1.000	A	H	R
51		Heptachlor Expoxide #2	7.847	1.000	A	H	R
52		trans-Chlordane #2	7.987	1.000	A	H	R
53		cis-Chlordane #2	8.095	1.000	A	H	R
54		Endosulfan I #2	8.144	1.000	A	H	R
55		4,4'-DDE #2	8.206	1.000	Q	H	R
56		Dieldrin #2	8.344	1.000	A	H	R

57		Endrin #2	8.571	1.000	A	H	R
58		4,4'-DDD #2	8.623	1.000	Q	H	R
59		Endosulfan II #2	8.720	1.000	A	H	R
60		4,4'-DDT #2	8.849	1.000	Q	H	R
61		Endrin Aldehyde #2	8.958	1.000	A	H	R
62		Endosulfan Sulfate #2	9.150	1.000	A	H	R
63		Methoxychlor #2	9.334	1.000	Q	H	R
64		Endrin Ketone #2	9.549	1.000	A	H	R
65	S	DCBP (S) #2	10.396	1.000	Q	H	R
66		Hexachlorobutadiene #2	3.534	1.000	Q	H	R
67		Hexachlorobenzene #2	6.312	1.000	Q	H	R
68		Oxychlordane #2	7.774	1.000	Q	H	R
69		2,4'-DDE #2	7.982	1.000	Q	H	R
70		trans-Nonachlor #2	8.049	1.000	Q	H	R
71		2,4'-DDD #2	8.357	1.000	A	H	R
72		2,4'-DDT #2	8.581	1.000	Q	H	R
73		cis-Nonachlor #2	8.616	1.000	A	H	R
74		Mirex #2	9.536	1.000	Q	H	R
75		Chlordane (1) #2	7.986	1.000	A	H	R
76		Chlordane (2) #2	8.094	1.000	A	H	R
77		Chlordane (3) #2	8.755	1.000	A	H	R
78		Chlordane - AVE #2	0.000	1.000	A	H	R
79		Toxaphene (1) #2	8.323	1.000	A	H	R
80		Toxaphene (2) #2	8.671	1.000	A	H	R
81		Toxaphene (3) #2	8.704	1.000	A	H	R
82		Toxaphene (4) #2	8.772	1.000	Q	H	R
83		Toxaphene (5) #2	8.951	1.000	A	H	R
84		Toxaphene (6) #2	9.330	1.000	A	H	R
85		Toxaphene - AVE #2	0.000	1.000	A	H	R

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

ECD8_QUANTPEST_200606.M Mon Jun 08 11:13:49 2020

Calibration Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200606.M
Title : Instrument: DualECD8
Last Update : Sun Jun 07 14:07:09 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD8-06062036 2 =ECD8-06062037 3 =ECD8-06062038 4 =ECD8-06062039 5 =ECD8-06
6 =ECD8-06062041 7 =ECD8-06062042 8 =ECD8-06062023 9 =ECD8-06062024

MJB 6/9/20

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCMX (S)	Avg	-----	3.6472 e6	-----	0.0558
2)		a-BHC	Avg	-----	4.8731 e6	-----	0.0600
3)		g-BHC	Avg	-----	4.2706 e6	-----	0.0586
4)		b-BHC	Avg	-----	1.8031 e6	-----	0.0735
5)		Heptachlor	Avg	-----	3.9537 e6	-----	0.0648
6)		d-BHC	Quad	-1.1242 e5	3.4077 e6	6.0334 e3	0.9966
7)		Aldrin	Avg	-----	4.3119 e6	-----	0.0401
8)		Heptachlor Expoxide	Avg	-----	3.9520 e6	-----	0.0628
9)		trans-Chlordane	Avg	-----	4.0235 e6	-----	0.0716
10)		cis-Chlordane	Quad	7.5333 e5	3.6188 e6	2.5560 e3	0.9994
11)		Endosulfan I	Avg	-----	3.6810 e6	-----	0.0467
12)		4,4'-DDE	Avg	-----	3.6651 e6	-----	0.0657
13)		Dieldrin	Avg	-----	4.0366 e6	-----	0.0533
14)		Endrin	Avg	-----	3.3746 e6	-----	0.0584
15)		4,4'-DDD	Avg	-----	2.8532 e6	-----	0.0910
16)		Endosulfan II	Avg	-----	3.0428 e6	-----	0.0749
17)		4,4'-DDT	Quad	-2.1004 e4	2.2730 e6	3.8808 e3	0.9954
18)		Endrin Aldehyde	Quad	5.4281 e5	2.7218 e6	1.1816 e3	0.9996
19)		Endosulfan Sulfate	Avg	-----	2.9533 e6	-----	0.0660
20)		Methoxychlor	Quad	1.5057 e5	1.0505 e6	1.7538 e3	0.9972
21)		Endrin Ketone	Avg	-----	3.5666 e6	-----	0.0854
22)	S	DCBP (S)	Quad	6.0484 e5	2.8210 e6	6.1200 e2	0.9996
23)		Hexachlorobutadiene	Quad	7.1449 e5	3.7630 e6	7.9174 e1	0.9976
24)		Hexachlorobenzene	Quad	5.8355 e5	3.0443 e6	2.0085 e3	0.9988
25)		Oxychlordane	Quad	6.1480 e5	3.1506 e6	1.1700 e3	0.9980
26)		2,4'-DDE	Avg	-----	2.3933 e6	-----	0.1030
27)		trans-Nonachlor	Quad	9.8361 e5	3.4208 e6	1.5502 e3	0.9995
28)		2,4'-DDD	Quad	3.7479 e5	1.8592 e6	1.5119 e3	0.9981
29)		2,4'-DDT	Quad	3.1813 e5	1.8081 e6	2.0429 e3	0.9965
30)		cis-Nonachlor	Avg	-----	4.1119 e6	-----	0.1009
31)		Mirex	Quad	7.8655 e5	2.4329 e6	2.9319 e2	0.9980
32)		Chlordane (1)	Avg	-----	4.1307 e5	-----	0.0621
33)		Chlordane (2)	Avg	-----	5.1450 e5	-----	0.0620
34)		Chlordane (3)	Avg	-----	1.2928 e5	-----	0.0874
35)		Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)		Toxaphene (1)	Quad	6.6198 e4	1.5753 e4	0.3458	0.9998
37)		Toxaphene (2)	Quad	1.1677 e5	3.1427 e4	-0.1792	0.9991
38)		Toxaphene (3)	Avg	-----	7.2546 e4	-----	0.0916
39)		Toxaphene (4)	Quad	5.8052 e5	6.0640 e4	4.3696	0.9999
40)		Toxaphene (5)	Avg	-----	5.2084 e4	-----	0.0798
41)		Toxaphene (6)	Avg	-----	7.3796 e4	-----	0.0885
42)		Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCMX (S)	Avg	-----	3.5501 e6	-----	0.1018
2)		a-BHC	Avg	-----	4.7662 e6	-----	0.1030
3)		g-BHC	Avg	-----	4.2691 e6	-----	0.0875
4)		b-BHC	Avg	-----	1.8279 e6	-----	0.0923
5)		Heptachlor	Avg	-----	4.2374 e6	-----	0.0792
6)		d-BHC	Quad	-1.3192 e5	3.7111 e6	6.3808 e3	0.9970
7)		Aldrin	Avg	-----	4.0102 e6	-----	0.0750

8)		Heptachlor Expoxide	Avg	-----	3.7647 e6	-----	0.0589
9)		trans-Chlordane	Avg	-----	3.8181 e6	-----	0.0787
10)		cis-Chlordane	Avg	-----	3.7257 e6	-----	0.0808
11)		Endosulfan I	Avg	-----	3.3922 e6	-----	0.0731
12)		4,4'-DDE	Quad	-1.9448 e4	3.3036 e6	5.8007 e3	0.9966
13)		Dieldrin	Avg	-----	3.8554 e6	-----	0.0897
14)		Endrin	Avg	-----	2.9564 e6	-----	0.0950
15)		4,4'-DDD	Quad	6.0449 e4	2.6172 e6	5.3234 e3	0.9953
16)		Endosulfan II	Avg	-----	3.0239 e6	-----	0.0889
17)		4,4'-DDT	Quad	9.5234 e4	2.4810 e6	5.2900 e3	0.9940
18)		Endrin Aldehyde	Avg	-----	2.8933 e6	-----	0.1010
19)		Endosulfan Sulfate	Avg	-----	2.9651 e6	-----	0.0884
20)		Methoxychlor	Quad	1.8798 e5	1.1997 e6	2.0905 e3	0.9982
21)		Endrin Ketone	Avg	-----	3.3588 e6	-----	0.0950
22)	S	DCBP (S)	Quad	4.5507 e5	2.2738 e6	2.0463 e3	0.9996
23)		Hexachlorobutadiene	Quad	7.6660 e5	4.2884 e6	1.8178 e3	0.9980
24)		Hexachlorobenzene	Quad	5.5412 e5	2.8152 e6	4.6254 e3	0.9969
25)		Oxychlordane	Quad	6.3062 e5	2.9227 e6	2.2025 e3	0.9988
26)		2,4'-DDE	Quad	5.2842 e5	2.0909 e6	2.9763 e3	0.9974
27)		trans-Nonachlor	Quad	8.3423 e5	3.2497 e6	2.4054 e3	0.9991
28)		2,4'-DDD	Avg	-----	2.0783 e6	-----	0.0981
29)		2,4'-DDT	Quad	3.1516 e5	1.8410 e6	3.5728 e3	0.9965
30)		cis-Nonachlor	Avg	-----	3.9969 e6	-----	0.0923
31)		Mirex	Quad	6.4024 e5	2.2320 e6	9.9420 e2	0.9978
32)		Chlordane (1)	Avg	-----	4.3314 e5	-----	0.0853
33)		Chlordane (2)	Avg	-----	3.6484 e5	-----	0.0857
34)		Chlordane (3)	Avg	-----	1.1928 e5	-----	0.1009
35)		Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)		Toxaphene (1)	Avg	-----	3.2814 e4	-----	0.0641
37)		Toxaphene (2)	Avg	-----	4.2585 e4	-----	0.0543
38)		Toxaphene (3)	Avg	-----	6.3186 e4	-----	0.0890
39)		Toxaphene (4)	Quad	1.6657 e6	8.9997 e4	1.2942 e1	0.9976
40)		Toxaphene (5)	Avg	-----	5.8716 e4	-----	0.1025
41)		Toxaphene (6)	Avg	-----	6.4246 e4	-----	0.0962
42)		Toxaphene - AVE	Avg	-----	-----	-----	0.0000

ECD8_QUANTPEST_200606.M Mon Jun 08 11:14:05 2020

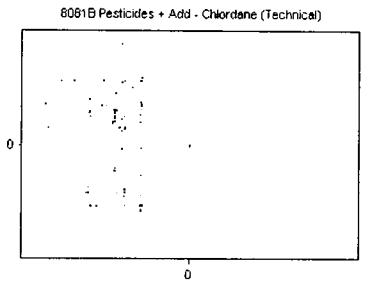
Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

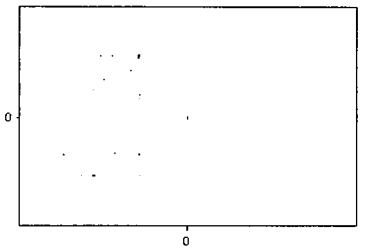


Standard	Concentration	Response	Response Factor	RT
0F06008-CALJ	10	0	0.000	0.00
0F06008-CALK	50	0	0.000	0.00
0F06008-CALL	100	0	0.000	0.00
0F06008-CALM	200	0	0.000	0.00
0F06008-CALN	500	0	0.000	0.00
0F06008-CALO	1000	0	0.000	0.00
0F06008-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

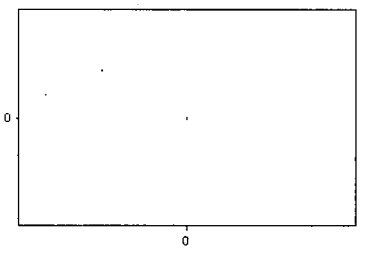


Standard	Concentration	Response	Response Factor	RT
0F06008-CALJ	10	0	0.000	0.00
0F06008-CALK	50	0	0.000	0.00
0F06008-CALL	100	0	0.000	0.00
0F06008-CALM	200	0	0.000	0.00
0F06008-CALN	500	0	0.000	0.00
0F06008-CALO	1000	0	0.000	0.00
0F06008-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

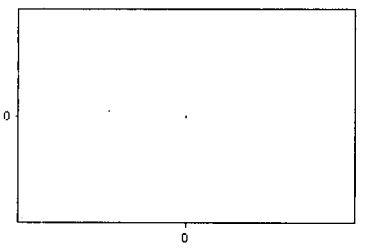


Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	0	0.000	0.00
0F06008-CALR	50	0	0.000	0.00
0F06008-CALS	100	0	0.000	0.00
0F06008-CALT	200	0	0.000	0.00
0F06008-CALU	500	0	0.000	0.00
0F06008-CALV	1000	0	0.000	0.00
0F06008-CALW	2000	0	0.000	0.00

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
0F06008-CALQ	10	0	0.000	0.00
0F06008-CALR	50	0	0.000	0.00
0F06008-CALS	100	0	0.000	0.00
0F06008-CALT	200	0	0.000	0.00
0F06008-CALU	500	0	0.000	0.00
0F06008-CALV	1000	0	0.000	0.00
0F06008-CALW	2000	0	0.000	0.00

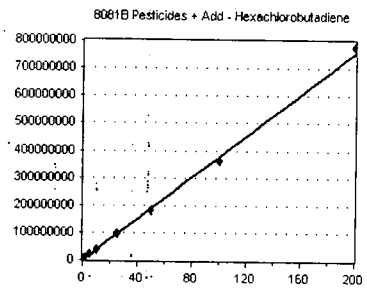
AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Hexachlorobutadiene

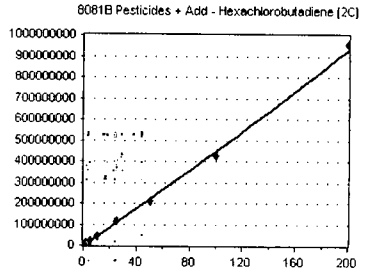


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2512894	5025788.000	3.05
0F06008-CALB	1	4817265	4817265.000	3.05
0F06008-CALC	2	8189944	4094972.000	3.05
0F06008-CALD	5	1.982969E+07	3965938.000	3.05
0F06008-CALE	10	3.803698E+07	3803698.000	3.05
0F06008-CALF	25	9.529468E+07	3811787.000	3.05
0F06008-CALG	50	1.811247E+08	3622494.000	3.05
0F06008-CALH	100	3.633748E+08	3633748.000	3.05
0F06008-CALI	200	7.782024E+08	3891012.000	3.05

AVE RF **4074078.000** RF RSD **12.41** AVE RT **3.05**

Hexachlorobutadiene [2C]

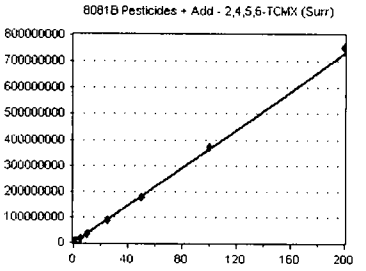


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2831116	5662232.000	3.53
0F06008-CALB	1	5390738	5390738.000	3.53
0F06008-CALC	2	9258660	4629330.000	3.53
0F06008-CALD	5	2.266468E+07	4532936.000	3.53
0F06008-CALE	10	4.332244E+07	4332244.000	3.53
0F06008-CALF	25	1.111811E+08	4447244.000	3.53
0F06008-CALG	50	2.106969E+08	4213938.000	3.54
0F06008-CALH	100	4.287604E+08	4287604.000	3.53
0F06008-CALI	200	9.570979E+08	4785490.000	3.54

AVE RF **4697973.000** RF RSD **10.77** AVE RT **3.53**

2,4,5,6-TCMX (Surr)

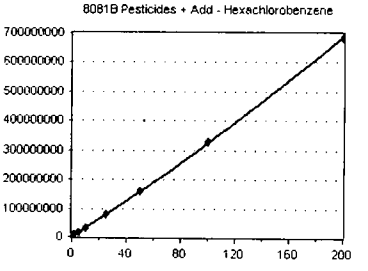


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2044821	4089642.000	5.28
0F06008-CAL2	1	3739252	3739252.000	5.27
0F06008-CAL3	2	6945394	3472697.000	5.28
0F06008-CAL4	5	1.749523E+07	3499046.000	5.28
0F06008-CAL5	10	3.498695E+07	3498695.000	5.27
0F06008-CAL6	25	8.672869E+07	3469148.000	5.27
0F06008-CAL7	50	1.790503E+08	3581006.000	5.27
0F06008-CAL8	100	3.72218E+08	3722180.000	5.28
0F06008-CAL9	200	7.506074E+08	3753037.000	5.28

AVE RF **3647189.000** RF RSD **5.58** AVE RT **5.27**

Hexachlorobenzene



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2070033	4140066.000	5.66
0F06008-CALB	1	3808389	3808389.000	5.66
0F06008-CALC	2	6674738	3337369.000	5.66
0F06008-CALD	5	1.514618E+07	3029236.000	5.66
0F06008-CALE	10	3.038142E+07	3038142.000	5.66
0F06008-CALF	25	7.988011E+07	3195205.000	5.66
0F06008-CALG	50	1.60025E+08	3200500.000	5.66
0F06008-CALH	100	3.280487E+08	3280487.000	5.66
0F06008-CALI	200	6.84096E+08	3420480.000	5.66

AVE RF **3383319.000** RF RSD **10.86** AVE RT **5.66**

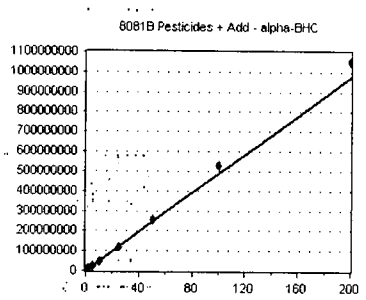
Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

alpha-BHC

Curve Fit: **AVERAGE RF**

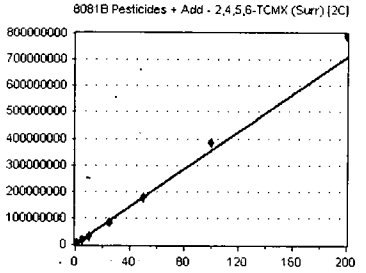


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2436012	4872024.000	5.81
0F06008-CAL2	1	4659043	4659043.000	5.81
0F06008-CAL3	2	8934865	4467433.000	5.81
0F06008-CAL4	5	2.322514E+07	4645028.000	5.81
0F06008-CAL5	10	4.79434E+07	4794340.000	5.81
0F06008-CAL6	25	1.188076E+08	4752304.000	5.81
0F06008-CAL7	50	2.537892E+08	5075784.000	5.81
0F06008-CAL8	100	5.316676E+08	5316676.000	5.81
0F06008-CAL9	200	1.055142E+09	5275710.000	5.81

AVE RF **4873149.000** RF RSD **6.00** AVE RT **5.81**

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**

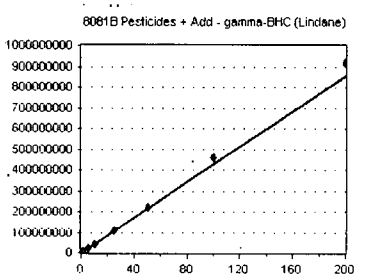


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2041136	4082272.000	5.85
0F06008-CAL2	1	3664569	3664569.000	5.85
0F06008-CAL3	2	6272971	3136486.000	5.85
0F06008-CAL4	5	1.592129E+07	3184258.000	5.85
0F06008-CAL5	10	3.187282E+07	3187282.000	5.85
0F06008-CAL6	25	8.27845E+07	3311380.000	5.85
0F06008-CAL7	50	1.788299E+08	3576598.000	5.85
0F06008-CAL8	100	3.855692E+08	3855692.000	5.85
0F06008-CAL9	200	7.90438E+08	3952190.000	5.85

AVE RF **3550081.000** RF RSD **10.18** AVE RT **5.85**

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

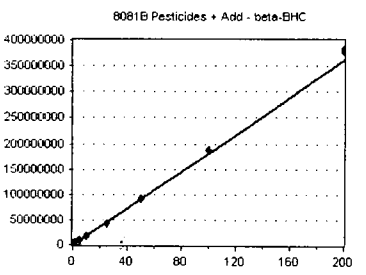


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2216617	4433234.000	6.10
0F06008-CAL2	1	4062836	4062836.000	6.10
0F06008-CAL3	2	7777680	3888840.000	6.10
0F06008-CAL4	5	2.038635E+07	4077270.000	6.10
0F06008-CAL5	10	4.130726E+07	4130726.000	6.09
0F06008-CAL6	25	1.057326E+08	4229304.000	6.10
0F06008-CAL7	50	2.222262E+08	4444524.000	6.09
0F06008-CAL8	100	4.573063E+08	4573063.000	6.10
0F06008-CAL9	200	9.190418E+08	4595209.000	6.10

AVE RF **4270556.000** RF RSD **5.86** AVE RT **6.10**

beta-BHC

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1029510	2059020.000	6.18
0F06008-CAL2	1	1828397	1828397.000	6.17
0F06008-CAL3	2	3383841	1691921.000	6.17
0F06008-CAL4	5	8436819	1687364.000	6.17
0F06008-CAL5	10	1.656392E+07	1656392.000	6.17
0F06008-CAL6	25	4.266394E+07	1706558.000	6.17
0F06008-CAL7	50	9.021186E+07	1804237.000	6.17
0F06008-CAL8	100	1.891662E+08	1891662.000	6.17
0F06008-CAL9	200	3.804316E+08	1902158.000	6.17

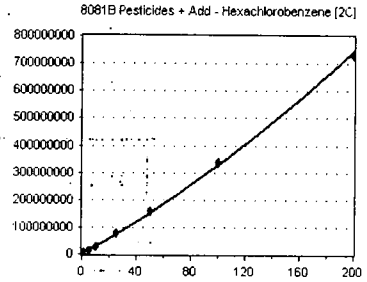
AVE RF **1803079.000** RF RSD **7.35** AVE RT **6.17**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Hexachlorobenzene [2C]

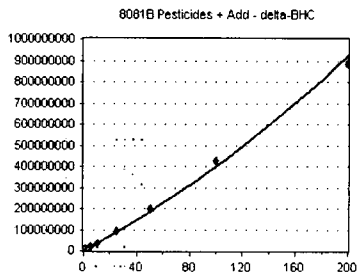


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1957618	3915236.000	6.32
0F06008-CALB	1	3490476	3490476.000	6.32
0F06008-CALC	2	6013960	3006980.000	6.32
0F06008-CALD	5	1.35893E+07	2717860.000	6.31
0F06008-CALE	10	2.77425E+07	2774250.000	6.31
0F06008-CALF	25	7.972898E+07	3189159.000	6.31
0F06008-CALG	50	1.592436E+08	3184872.000	6.31
0F06008-CALH	100	3.377859E+08	3377859.000	6.31
0F06008-CALI	200	7.2956E+08	3647800.000	6.31

AVE RF **3256055.000** RF RSD **12.15** AVE RT **6.31**

delta-BHC

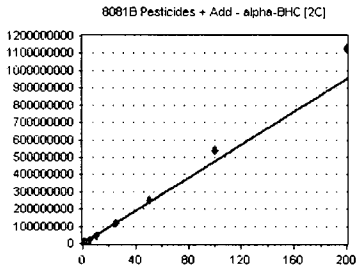


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1670301	3340602.000	6.32
0F06008-CAL2	1	3147880	3147880.000	6.32
0F06008-CAL3	2	6132156	3066078.000	6.32
0F06008-CAL4	5	1.666935E+07	3333870.000	6.32
0F06008-CAL5	10	3.452914E+07	3452914.000	6.32
0F06008-CAL6	25	9.072161E+07	3628864.000	6.32
0F06008-CAL7	50	1.980374E+08	3960748.000	6.32
0F06008-CAL8	100	4.250902E+08	4250902.000	6.32
0F06008-CAL9	200	8.852381E+08	4426191.000	6.32

AVE RF **3623117.000** RF RSD **13.39** AVE RT **6.32**

alpha-BHC [2C]

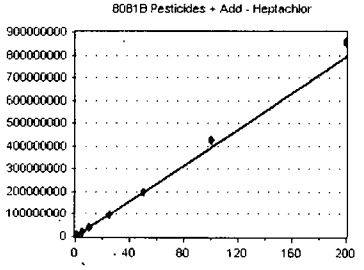


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2268024	4536048.000	6.45
0F06008-CAL2	1	4299192	4299192.000	6.45
0F06008-CAL3	2	8409840	4204920.000	6.45
0F06008-CAL4	5	2.220676E+07	4441352.000	6.45
0F06008-CAL5	10	4.628085E+07	4628085.000	6.45
0F06008-CAL6	25	1.179717E+08	4718868.000	6.45
0F06008-CAL7	50	2.531772E+08	5063544.000	6.45
0F06008-CAL8	100	5.355608E+08	5355608.000	6.45
0F06008-CAL9	200	1.129601E+09	5648005.000	6.45

AVE RF **4766180.000** RF RSD **10.30** AVE RT **6.45**

Heptachlor



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2089353	4178706.000	6.51
0F06008-CAL2	1	3783244	3783244.000	6.51
0F06008-CAL3	2	7189639	3594820.000	6.51
0F06008-CAL4	5	1.836234E+07	3672468.000	6.51
0F06008-CAL5	10	3.864312E+07	3864312.000	6.50
0F06008-CAL6	25	9.77874E+07	3911496.000	6.50
0F06008-CAL7	50	1.999791E+08	3999582.000	6.50
0F06008-CAL8	100	4.304687E+08	4304687.000	6.51
0F06008-CAL9	200	8.547201E+08	4273601.000	6.51

AVE RF **3953657.000** RF RSD **6.48** AVE RT **6.50**

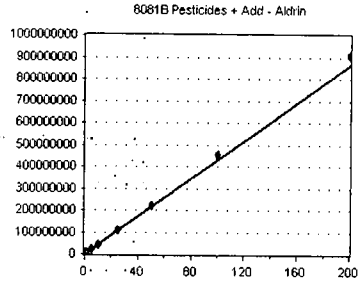
Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Aldrin

Curve Fit: **AVERAGE RF**

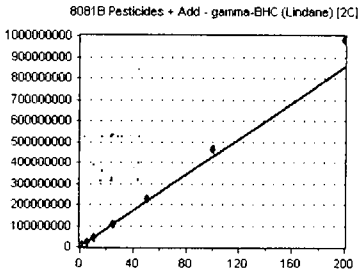


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2216702	4433404.000	6.75
0F06008-CAL2	1	4211391	4211391.000	6.75
0F06008-CAL3	2	8035771	4017886.000	6.74
0F06008-CAL4	5	2.1091E+07	4218200.000	6.75
0F06008-CAL5	10	4.211484E+07	4211484.000	6.74
0F06008-CAL6	25	1.063616E+08	4254464.000	6.74
0F06008-CAL7	50	2.195754E+08	4391508.000	6.75
0F06008-CAL8	100	4.541675E+08	4541675.000	6.75
0F06008-CAL9	200	9.054911E+08	4527456.000	6.75

AVE RF **4311941.000** RF RSD **4.01** AVE RT **6.74**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

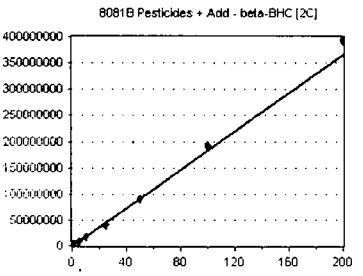


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2141693	4283386.000	6.77
0F06008-CAL2	1	3939884	3939884.000	6.77
0F06008-CAL3	2	7617064	3808532.000	6.77
0F06008-CAL4	5	1.958783E+07	3917566.000	6.77
0F06008-CAL5	10	4.102407E+07	4102407.000	6.77
0F06008-CAL6	25	1.062165E+08	4248660.000	6.77
0F06008-CAL7	50	2.275312E+08	4550624.000	6.77
0F06008-CAL8	100	4.659285E+08	4659285.000	6.77
0F06008-CAL9	200	9.823348E+08	4911674.000	6.77

AVE RF **4269113.000** RF RSD **8.75** AVE RT **6.77**

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

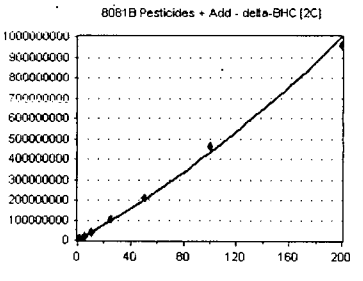


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1069043	2138086.000	6.84
0F06008-CAL2	1	1906857	1906857.000	6.84
0F06008-CAL3	2	3359896	1679948.000	6.84
0F06008-CAL4	5	8320126	1664025.000	6.84
0F06008-CAL5	10	1.677931E+07	1677931.000	6.84
0F06008-CAL6	25	4.203947E+07	1681579.000	6.84
0F06008-CAL7	50	8.992502E+07	1798501.000	6.84
0F06008-CAL8	100	1.930951E+08	1930951.000	6.84
0F06008-CAL9	200	3.945622E+08	1972811.000	6.84

AVE RF **1827854.000** RF RSD **9.23** AVE RT **6.84**

delta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1786163	3572326.000	7.09
0F06008-CAL2	1	3488504	3488504.000	7.09
0F06008-CAL3	2	6804587	3402294.000	7.09
0F06008-CAL4	5	1.808935E+07	3617870.000	7.09
0F06008-CAL5	10	3.657064E+07	3657064.000	7.09
0F06008-CAL6	25	1.000647E+08	4002588.000	7.09
0F06008-CAL7	50	2.110976E+08	4221952.000	7.09
0F06008-CAL8	100	4.664062E+08	4664062.000	7.09
0F06008-CAL9	200	9.546493E+08	4773247.000	7.09

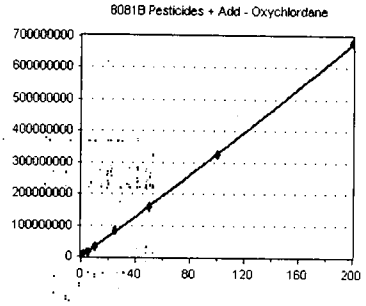
AVE RF **3933323.000** RF RSD **13.07** AVE RT **7.09**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Oxychlordane

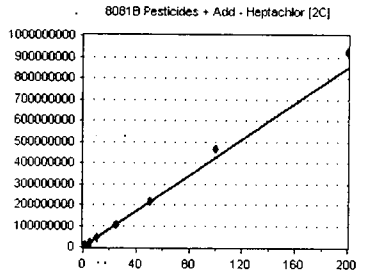


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2124726	4249452.000	7.14
0F06008-CALB	1	4069036	4069036.000	7.14
0F06008-CALC	2	6851909	3425955.000	7.14
0F06008-CALD	5	1.591163E+07	3182326.000	7.14
0F06008-CALE	10	3.181176E+07	3181176.000	7.13
0F06008-CALF	25	8.175862E+07	3270345.000	7.13
0F06008-CALG	50	1.57349E+08	3146980.000	7.13
0F06008-CALH	100	3.268872E+08	3268872.000	7.13
0F06008-CALI	200	6.808485E+08	3404243.000	7.14

AVE RF **3466487.000** RF RSD **11.73** AVE RT **7.13**

Heptachlor [2C]

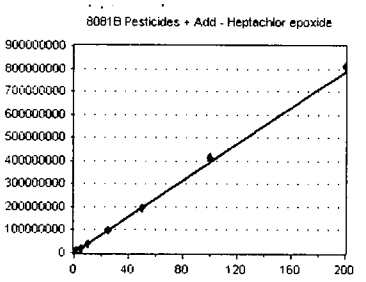


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2287728	4575456.000	7.14
0F06008-CAL2	1	4131038	4131038.000	7.14
0F06008-CAL3	2	7559963	3779982.000	7.14
0F06008-CAL4	5	1.919702E+07	3839404.000	7.14
0F06008-CAL5	10	4.057913E+07	4057913.000	7.14
0F06008-CAL6	25	1.025924E+08	4103696.000	7.14
0F06008-CAL7	50	2.172068E+08	4344136.000	7.14
0F06008-CAL8	100	4.675244E+08	4675244.000	7.14
0F06008-CAL9	200	9.258958E+08	4629479.000	7.14

AVE RF **4237372.000** RF RSD **7.92** AVE RT **7.14**

Heptachlor epoxide

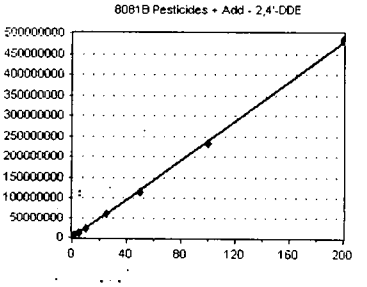


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2242901	4485802.000	7.21
0F06008-CAL2	1	3938014	3938014.000	7.21
0F06008-CAL3	2	7385357	3692679.000	7.21
0F06008-CAL4	5	1.881852E+07	3763704.000	7.21
0F06008-CAL5	10	3.780331E+07	3780331.000	7.21
0F06008-CAL6	25	9.486647E+07	3794659.000	7.21
0F06008-CAL7	50	1.952055E+08	3904110.000	7.21
0F06008-CAL8	100	4.138632E+08	4138632.000	7.21
0F06008-CAL9	200	8.140326E+08	4070163.000	7.21

AVE RF **3952010.000** RF RSD **6.28** AVE RT **7.21**

2,4'-DDE



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1450647	2901294.000	7.22
0F06008-CALB	1	2683204	2683204.000	7.22
0F06008-CALC	2	4589279	2294640.000	7.22
0F06008-CALD	5	1.064415E+07	2128830.000	7.22
0F06008-CALE	10	2.20836E+07	2208360.000	7.22
0F06008-CALF	25	5.829049E+07	2331620.000	7.21
0F06008-CALG	50	1.127803E+08	2255606.000	7.21
0F06008-CALH	100	2.3132E+08	2313200.000	7.21
0F06008-CALI	200	4.84647E+08	2423235.000	7.21

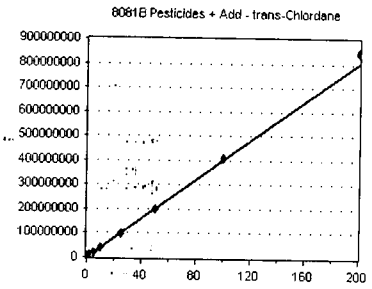
AVE RF **2393332.000** RF RSD **10.30** AVE RT **7.21**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

trans-Chlordane

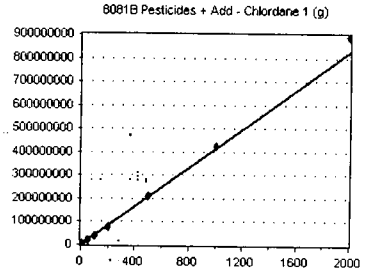


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2326907	4653814.000	7.30
0F06008-CAL2	1	4057330	4057330.000	7.30
0F06008-CAL3	2	7502150	3751075.000	7.30
0F06008-CAL4	5	1.891758E+07	3783516.000	7.30
0F06008-CAL5	10	3.821807E+07	3821807.000	7.30
0F06008-CAL6	25	9.518814E+07	3807526.000	7.30
0F06008-CAL7	50	2.007857E+08	4015714.000	7.30
0F06008-CAL8	100	4.0946E+08	4094600.000	7.30
0F06008-CAL9	200	8.452209E+08	4226105.000	7.30

AVE RF **4023499.000** RF RSD **7.16** AVE RT **7.30**

Chlordane 1 (g)

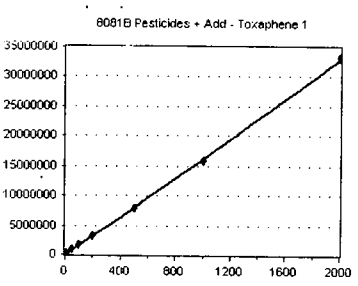


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALJ	10	4408504	440850.400	7.30
0F06008-CALK	50	1.927452E+07	385490.400	7.30
0F06008-CALL	100	3.872964E+07	387296.400	7.30
0F06008-CALM	200	7.794846E+07	389742.300	7.30
0F06008-CALN	500	2.086748E+08	417349.600	7.30
0F06008-CALO	1000	4.253646E+08	425364.600	7.30
0F06008-CALP	2000	8.907384E+08	445369.200	7.30

AVE RF **413066.100** RF RSD **6.21** AVE RT **7.30**

Toxaphene 1

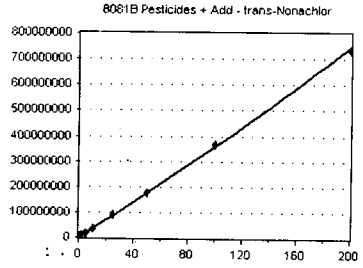


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	223232	22323.200	7.38
0F06008-CALR	50	867007	17340.140	7.38
0F06008-CALS	100	1661660	16616.600	7.38
0F06008-CALT	200	3191894	15959.470	7.38
0F06008-CALU	500	7997162	15994.320	7.38
0F06008-CALV	1000	1.591887E+07	15918.870	7.38
0F06008-CALW	2000	3.324375E+07	16621.880	7.38

AVE RF **17253.500** RF RSD **13.29** AVE RT **7.38**

trans-Nonachlor



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2706753	5413506.000	7.39
0F06008-CALB	1	4424272	4424272.000	7.39
0F06008-CALC	2	7594996	3797498.000	7.39
0F06008-CALD	5	1.781713E+07	3563426.000	7.39
0F06008-CALE	10	3.521171E+07	3521171.000	7.39
0F06008-CALF	25	9.011133E+07	3604453.000	7.39
0F06008-CALG	50	1.769606E+08	3539212.000	7.39
0F06008-CALH	100	3.663856E+08	3663856.000	7.39
0F06008-CALI	200	7.362885E+08	3681443.000	7.39

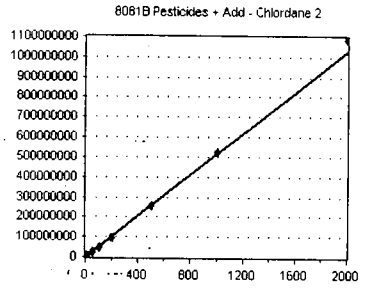
AVE RF **3912093.000** RF RSD **16.05** AVE RT **7.39**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Chlordane 2

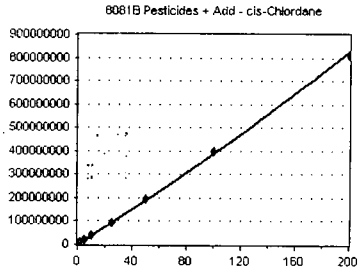


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALJ	10	5647776	564777.600	7.40
0F06008-CALK	50	2.439993E+07	487998.600	7.40
0F06008-CALL	100	4.919884E+07	491988.400	7.40
0F06008-CALM	200	9.529086E+07	476454.300	7.40
0F06008-CALN	500	2.574318E+08	514863.600	7.40
0F06008-CALO	1000	5.215904E+08	521590.400	7.40
0F06008-CALP	2000	1.087682E+09	543841.000	7.40

AVE RF **514502.000** RF RSD **6.20** AVE RT **7.40**

cis-Chlordane

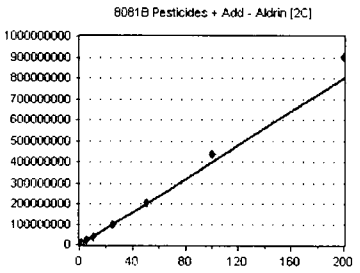


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2588788	5177576.000	7.40
0F06008-CAL2	1	4334731	4334731.000	7.40
0F06008-CAL3	2	7787006	3893503.000	7.40
0F06008-CAL4	5	1.862959E+07	3725918.000	7.40
0F06008-CAL5	10	3.711436E+07	3711436.000	7.40
0F06008-CAL6	25	9.330993E+07	3732397.000	7.40
0F06008-CAL7	50	1.94558E+08	3891160.000	7.40
0F06008-CAL8	100	3.968927E+08	3968927.000	7.40
0F06008-CAL9	200	8.116776E+08	4058388.000	7.40

AVE RF **4054893.000** RF RSD **11.47** AVE RT **7.40**

Aldrin [2C]

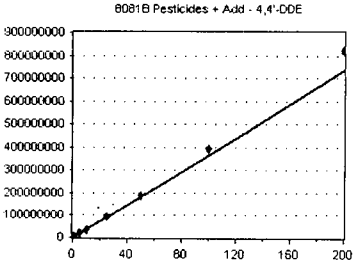


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2023732	4047464.000	7.41
0F06008-CAL2	1	3671024	3671024.000	7.41
0F06008-CAL3	2	7256390	3628195.000	7.41
0F06008-CAL4	5	1.896265E+07	3792530.000	7.41
0F06008-CAL5	10	3.94494E+07	3944940.000	7.41
0F06008-CAL6	25	9.974054E+07	3989622.000	7.41
0F06008-CAL7	50	2.059749E+08	4119498.000	7.41
0F06008-CAL8	100	4.374826E+08	4374826.000	7.41
0F06008-CAL9	200	9.047082E+08	4523541.000	7.41

AVE RF **4010182.000** RF RSD **7.50** AVE RT **7.41**

4,4'-DDE



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1831508	3663016.000	7.47
0F06008-CAL2	1	3469480	3469480.000	7.47
0F06008-CAL3	2	6724934	3362467.000	7.47
0F06008-CAL4	5	1.730723E+07	3461446.000	7.47
0F06008-CAL5	10	3.570272E+07	3570272.000	7.47
0F06008-CAL6	25	9.052785E+07	3621114.000	7.47
0F06008-CAL7	50	1.901723E+08	3803446.000	7.46
0F06008-CAL8	100	3.934936E+08	3934936.000	7.46
0F06008-CAL9	200	8.199603E+08	4099802.000	7.46

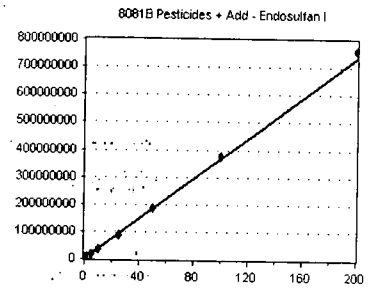
AVE RF **3665109.000** RF RSD **6.57** AVE RT **7.47**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Endosulfan I

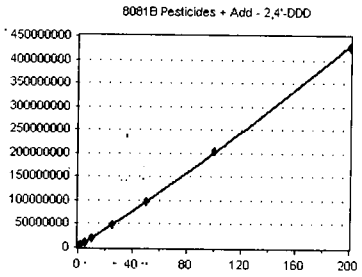


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2010361	4020722.000	7.50
0F06008-CAL2	1	3674308	3674308.000	7.50
0F06008-CAL3	2	6975798	3487899.000	7.50
0F06008-CAL4	5	1.777203E+07	3554406.000	7.50
0F06008-CAL5	10	3.562079E+07	3562079.000	7.49
0F06008-CAL6	25	8.796988E+07	3518795.000	7.49
0F06008-CAL7	50	1.862794E+08	3725588.000	7.49
0F06008-CAL8	100	3.777263E+08	3777263.000	7.50
0F06008-CAL9	200	7.61633E+08	3808165.000	7.49

AVE RF **3681025.000** RF RSD **4.67** AVE RT **7.50**

2,4'-DDD

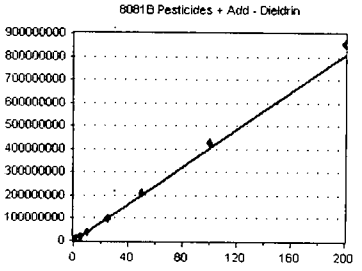


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1283450	2566900.000	7.59
0F06008-CALB	1	2380316	2380316.000	7.59
0F06008-CALC	2	3914792	1957396.000	7.59
0F06008-CALD	5	9382730	1876546.000	7.59
0F06008-CALE	10	1.873191E+07	1873191.000	7.59
0F06008-CALF	25	4.982577E+07	1993031.000	7.59
0F06008-CALG	50	9.751546E+07	1950309.000	7.59
0F06008-CALH	100	2.040582E+08	2040582.000	7.59
0F06008-CALI	200	4.284045E+08	2142023.000	7.59

AVE RF **2086699.000** RF RSD **11.44** AVE RT **7.59**

Dieldrin

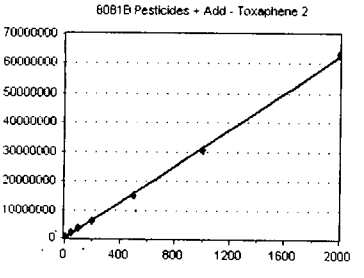


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2088893	4177786.000	7.67
0F06008-CAL2	1	3834504	3834504.000	7.67
0F06008-CAL3	2	7333173	3666587.000	7.67
0F06008-CAL4	5	1.981932E+07	3963864.000	7.67
0F06008-CAL5	10	3.928329E+07	3928329.000	7.67
0F06008-CAL6	25	9.948322E+07	3979329.000	7.67
0F06008-CAL7	50	2.10519E+08	4210380.000	7.67
0F06008-CAL8	100	4.279445E+08	4279445.000	7.67
0F06008-CAL9	200	8.577927E+08	4288964.000	7.67

AVE RF **4036576.000** RF RSD **5.33** AVE RT **7.67**

Toxaphene 2



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	428322	42832.200	7.67
0F06008-CALR	50	1751397	35027.940	7.67
0F06008-CALS	100	3335225	33352.250	7.67
0F06008-CALT	200	6236956	31184.780	7.67
0F06008-CALU	500	1.529676E+07	30593.520	7.67
0F06008-CALV	1000	3.083503E+07	30835.030	7.67
0F06008-CALW	2000	6.329266E+07	31646.330	7.67

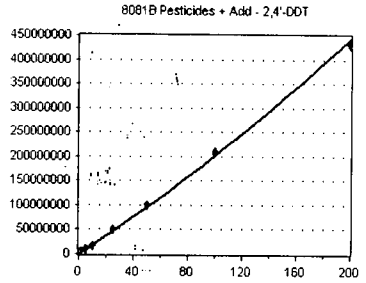
AVE RF **33638.860** RF RSD **12.94** AVE RT **7.67**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

2,4'-DDT

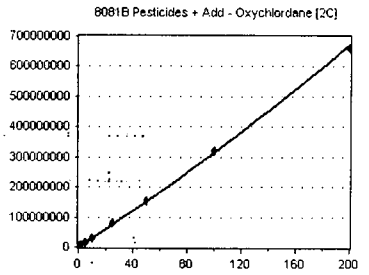


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1217591	2435182.000	7.77
0F06008-CALB	1	2237919	2237919.000	7.77
0F06008-CALC	2	3679380	1839690.000	7.77
0F06008-CALD	5	8777458	1755492.000	7.77
0F06008-CALE	10	1.803541E+07	1803541.000	7.77
0F06008-CALF	25	5.032132E+07	2012853.000	7.77
0F06008-CALG	50	9.91532E+07	1983064.000	7.77
0F06008-CALH	100	2.085776E+08	2085776.000	7.77
0F06008-CALI	200	4.311273E+08	2155637.000	7.77

AVE RF **2034350.000** RF RSD **10.87** AVE RT **7.77**

Oxychlordane [2C]

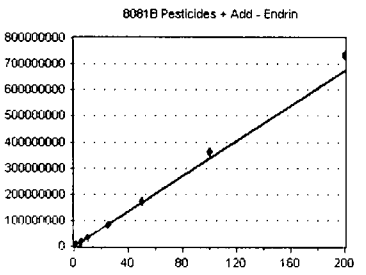


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2077896	4155792.000	7.78
0F06008-CALB	1	3679856	3679856.000	7.78
0F06008-CALC	2	6318570	3159285.000	7.78
0F06008-CALD	5	1.476148E+07	2952296.000	7.78
0F06008-CALE	10	2.917128E+07	2917128.000	7.78
0F06008-CALF	25	7.843356E+07	3137343.000	7.77
0F06008-CALG	50	1.539408E+08	3078816.000	7.77
0F06008-CALH	100	3.222219E+08	3222219.000	7.78
0F06008-CALI	200	6.624637E+08	3312319.000	7.78

AVE RF **3290561.000** RF RSD **11.99** AVE RT **7.77**

Endrin

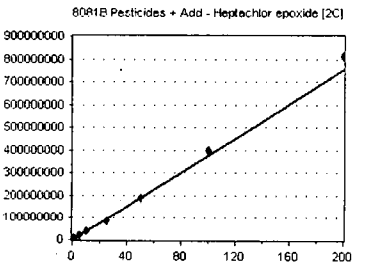


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1730100	3460200.000	7.83
0F06008-CAL2	1	3239569	3239569.000	7.83
0F06008-CAL3	2	6205989	3102995.000	7.83
0F06008-CAL4	5	1.573264E+07	3146528.000	7.83
0F06008-CAL5	10	3.382195E+07	3382195.000	7.83
0F06008-CAL6	25	8.261793E+07	3304717.000	7.83
0F06008-CAL7	50	1.719097E+08	3438194.000	7.83
0F06008-CAL8	100	3.627833E+08	3627833.000	7.83
0F06008-CAL9	200	7.337914E+08	3668957.000	7.83

AVE RF **3374576.000** RF RSD **5.84** AVE RT **7.83**

Heptachlor epoxide [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2030251	4060502.000	7.85
0F06008-CAL2	1	3756308	3756308.000	7.85
0F06008-CAL3	2	6966527	3483264.000	7.85
0F06008-CAL4	5	1.769044E+07	3538088.000	7.85
0F06008-CAL5	10	3.67103E+07	3671030.000	7.85
0F06008-CAL6	25	8.927006E+07	3570803.000	7.85
0F06008-CAL7	50	1.88467E+08	3769340.000	7.85
0F06008-CAL8	100	3.983266E+08	3983266.000	7.85
0F06008-CAL9	200	8.100269E+08	4050135.000	7.85

AVE RF **3764748.000** RF RSD **5.89** AVE RT **7.85**

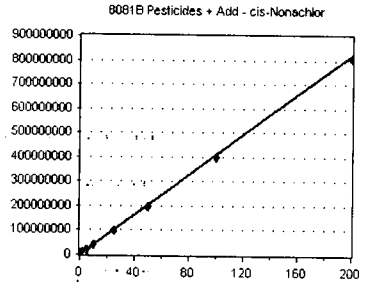
Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

cis-Nonachlor

Curve Fit: **AVERAGE RF**

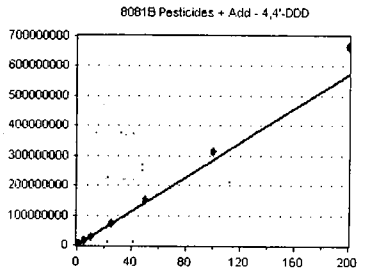


Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2497038	4994076.000	7.86
0F06008-CALB	1	4619495	4619495.000	7.86
0F06008-CALC	2	8069719	4034860.000	7.86
0F06008-CALD	5	1.891543E+07	3783086.000	7.86
0F06008-CALE	10	3.794503E+07	3794503.000	7.86
0F06008-CALF	25	9.741745E+07	3896698.000	7.86
0F06008-CALG	50	1.939701E+08	3879402.000	7.86
0F06008-CALH	100	3.967771E+08	3967771.000	7.86
0F06008-CALI	200	8.074796E+08	4037398.000	7.86

AVE RF **4111921.000** RF RSD **10.09** AVE RT **7.86**

4,4'-DDD

Curve Fit: **AVERAGE RF**

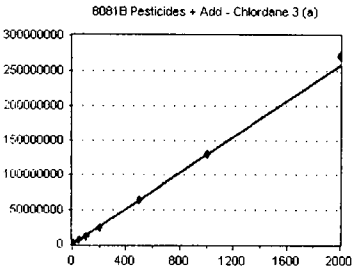


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1378674	2757348.000	7.89
0F06008-CAL2	1	2642114	2642114.000	7.89
0F06008-CAL3	2	5043957	2521979.000	7.89
0F06008-CAL4	5	1.351317E+07	2702634.000	7.89
0F06008-CAL5	10	2.731552E+07	2731552.000	7.89
0F06008-CAL6	25	7.067964E+07	2827186.000	7.89
0F06008-CAL7	50	1.509564E+08	3019128.000	7.89
0F06008-CAL8	100	3.156475E+08	3156475.000	7.89
0F06008-CAL9	200	6.641558E+08	3320779.000	7.88

AVE RF **2853244.000** RF RSD **9.10** AVE RT **7.89**

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

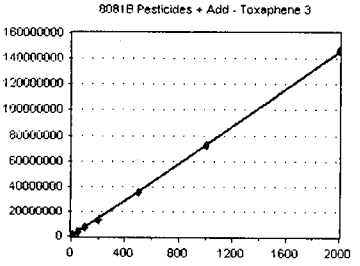


Standard	Concentration	Response	Response Factor	RT
0F06008-CALJ	10	1511798	151179.800	7.95
0F06008-CALK	50	6029645	120592.900	7.95
0F06008-CALL	100	1.207154E+07	120715.400	7.95
0F06008-CALM	200	2.384763E+07	119238.100	7.94
0F06008-CALN	500	6.427297E+07	128545.900	7.94
0F06008-CALO	1000	1.29417E+08	129417.000	7.94
0F06008-CALP	2000	2.705068E+08	135253.400	7.94

AVE RF **129277.500** RF RSD **8.74** AVE RT **7.94**

Toxaphene 3

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	866733	86673.300	7.98
0F06008-CALR	50	3429819	68596.380	7.98
0F06008-CALS	100	6846475	68464.750	7.98
0F06008-CALT	200	1.338203E+07	66910.150	7.98
0F06008-CALU	500	3.572019E+07	71440.380	7.98
0F06008-CALV	1000	7.257624E+07	72576.240	7.98
0F06008-CALW	2000	1.463252E+08	73162.600	7.98

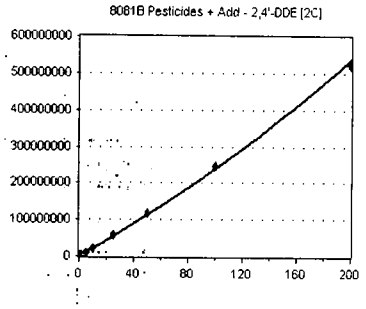
AVE RF **72546.260** RF RSD **9.16** AVE RT **7.98**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

2,4'-DDE [2C]

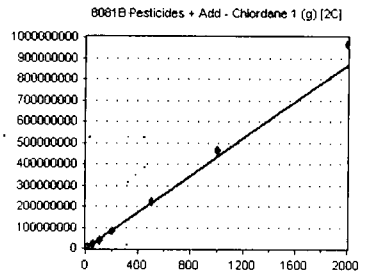


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1594318	3188636.000	7.99
0F06008-CALB	1	2644092	2644092.000	7.99
0F06008-CALC	2	4364012	2182006.000	7.99
0F06008-CALD	5	1.06815E+07	2136300.000	7.98
0F06008-CALE	10	2.130357E+07	2130357.000	7.98
0F06008-CALF	25	5.872468E+07	2348987.000	7.98
0F06008-CALG	50	1.157241E+08	2314482.000	7.98
0F06008-CALH	100	2.474069E+08	2474069.000	7.98
0F06008-CALI	200	5.235851E+08	2617926.000	7.98

AVE RF **2448539.000** RF RSD **13.80** AVE RT **7.98**

Chlordane 1 (g) [2C]

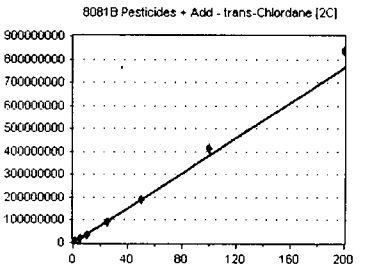


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALJ	10	4481852	448185.200	7.99
0F06008-CALK	50	1.950088E+07	390017.600	7.99
0F06008-CALL	100	4.034854E+07	403485.400	7.99
0F06008-CALM	200	7.889733E+07	394486.600	7.99
0F06008-CALN	500	2.239754E+08	447950.800	7.99
0F06008-CALO	1000	4.646026E+08	464602.600	7.99
0F06008-CALP	2000	9.66543E+08	483271.500	7.99

AVE RF **433142.800** RF RSD **8.53** AVE RT **7.99**

trans-Chlordane [2C]

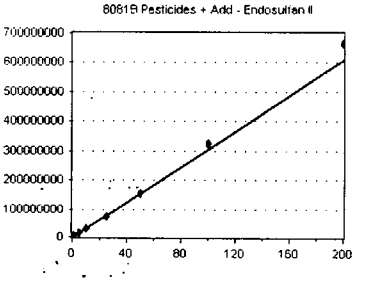


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2136256	4272512.000	7.99
0F06008-CAL2	1	3714650	3714650.000	7.99
0F06008-CAL3	2	6968284	3484142.000	7.99
0F06008-CAL4	5	1.772512E+07	3545024.000	7.99
0F06008-CAL5	10	3.56578E+07	3565780.000	7.99
0F06008-CAL6	25	9.101561E+07	3640624.000	7.99
0F06008-CAL7	50	1.919127E+08	3838254.000	7.99
0F06008-CAL8	100	4.114088E+08	4114088.000	7.99
0F06008-CAL9	200	8.37478E+08	4187390.000	7.99

AVE RF **3818052.000** RF RSD **7.87** AVE RT **7.99**

Endosulfan II



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1690214	3380428.000	7.99
0F06008-CAL2	1	2878102	2878102.000	7.99
0F06008-CAL3	2	5561746	2780873.000	7.99
0F06008-CAL4	5	1.431041E+07	2862082.000	7.99
0F06008-CAL5	10	2.88951E+07	2889510.000	7.99
0F06008-CAL6	25	7.281431E+07	2912573.000	7.99
0F06008-CAL7	50	1.545384E+08	3090768.000	7.99
0F06008-CAL8	100	3.255514E+08	3255514.000	7.99
0F06008-CAL9	200	6.670335E+08	3335167.000	7.99

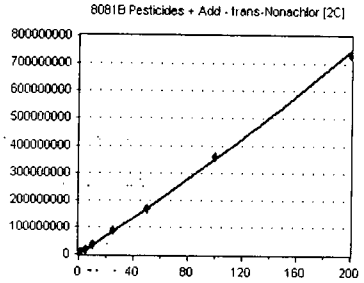
AVE RF **3042780.000** RF RSD **7.49** AVE RT **7.99**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

trans-Nonachlor [2C]

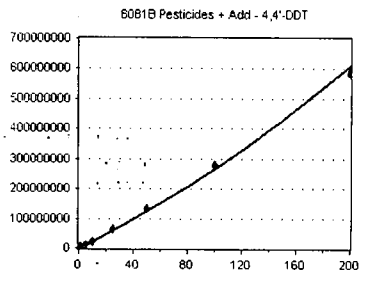


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2454721	4909442.000	8.05
0F06008-CALB	1	4150088	4150088.000	8.05
0F06008-CALC	2	7278851	3639426.000	8.05
0F06008-CALD	5	1.637421E+07	3274842.000	8.05
0F06008-CALE	10	3.32689E+07	3326890.000	8.05
0F06008-CALF	25	8.727599E+07	3491040.000	8.05
0F06008-CALG	50	1.6827E+08	3365400.000	8.05
0F06008-CALH	100	3.586213E+08	3586213.000	8.05
0F06008-CALI	200	7.366821E+08	3683411.000	8.05

AVE RF **3714083.000** RF RSD **13.98** AVE RT **8.05**

4,4'-DDT

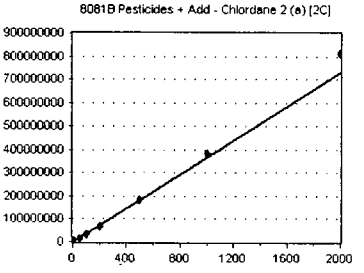


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1176997	2353994.000	8.08
0F06008-CAL2	1	2125504	2125504.000	8.08
0F06008-CAL3	2	4180058	2090029.000	8.08
0F06008-CAL4	5	1.062163E+07	2124326.000	8.08
0F06008-CAL5	10	2.317338E+07	2317338.000	8.08
0F06008-CAL6	25	6.293912E+07	2517565.000	8.08
0F06008-CAL7	50	1.332796E+08	2665592.000	8.08
0F06008-CAL8	100	2.783095E+08	2783095.000	8.08
0F06008-CAL9	200	5.85116E+08	2925580.000	8.08

AVE RF **2433669.000** RF RSD **12.61** AVE RT **8.08**

Chlordane 2 (a) [2C]

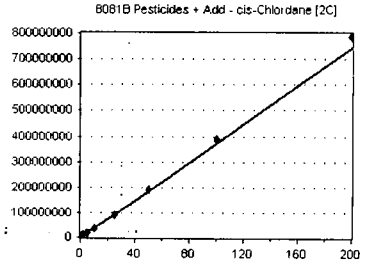


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALJ	10	3943445	394344.500	8.09
0F06008-CALK	50	1.659551E+07	331910.200	8.09
0F06008-CALL	100	3.39943E+07	339943.000	8.10
0F06008-CALM	200	6.615788E+07	330789.400	8.09
0F06008-CALN	500	1.82957E+08	365914.000	8.09
0F06008-CALO	1000	3.843868E+08	384386.800	8.09
0F06008-CALP	2000	8.132308E+08	406615.400	8.09

AVE RF **364843.300** RF RSD **8.57** AVE RT **8.09**

cis-Chlordane [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2156882	4313764.000	8.10
0F06008-CAL2	1	3732649	3732649.000	8.10
0F06008-CAL3	2	6943307	3471654.000	8.10
0F06008-CAL4	5	1.700191E+07	3400382.000	8.10
0F06008-CAL5	10	3.378101E+07	3378101.000	8.10
0F06008-CAL6	25	9.029682E+07	3611873.000	8.10
0F06008-CAL7	50	1.899764E+08	3799528.000	8.10
0F06008-CAL8	100	3.890147E+08	3890147.000	8.10
0F06008-CAL9	200	7.867141E+08	3933571.000	8.10

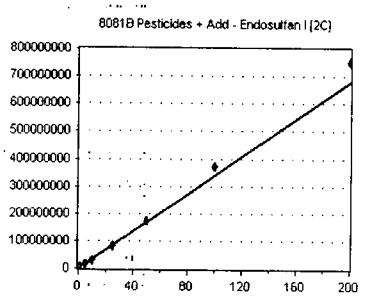
AVE RF **3725741.000** RF RSD **8.08** AVE RT **8.10**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Endosulfan I [2C]

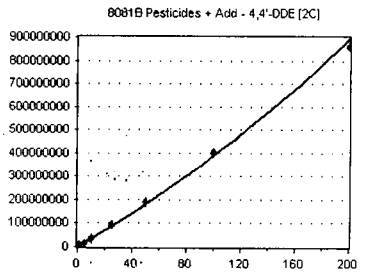


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1818776	3637552.000	8.14
0F06008-CAL2	1	3245203	3245203.000	8.14
0F06008-CAL3	2	6290523	3145262.000	8.14
0F06008-CAL4	5	1.581419E+07	3162838.000	8.14
0F06008-CAL5	10	3.187448E+07	3187448.000	8.14
0F06008-CAL6	25	8.126439E+07	3250576.000	8.14
0F06008-CAL7	50	1.718989E+08	3437978.000	8.14
0F06008-CAL8	100	3.700339E+08	3700339.000	8.14
0F06008-CAL9	200	7.524525E+08	3762263.000	8.14

AVE RF **3392162.000** RF RSD **7.31** AVE RT **8.14**

4,4'-DDE [2C]

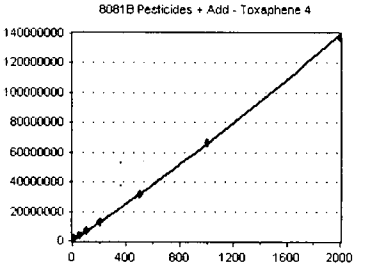


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1713296	3426592.000	8.21
0F06008-CAL2	1	3125539	3125539.000	8.21
0F06008-CAL3	2	6040045	3020023.000	8.21
0F06008-CAL4	5	1.612106E+07	3224212.000	8.21
0F06008-CAL5	10	3.333731E+07	3333731.000	8.21
0F06008-CAL6	25	9.077982E+07	3631193.000	8.21
0F06008-CAL7	50	1.908876E+08	3817752.000	8.21
0F06008-CAL8	100	4.054416E+08	4054416.000	8.21
0F06008-CAL9	200	8.612708E+08	4306354.000	8.21

AVE RF **3548868.000** RF RSD **12.34** AVE RT **8.21**

Toxaphene 4

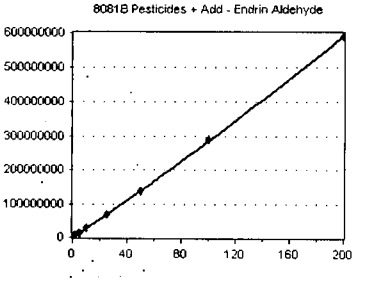


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	1188909	118890.900	8.22
0F06008-CALR	50	3584023	71680.460	8.22
0F06008-CALS	100	6690852	66908.520	8.22
0F06008-CALT	200	1.282181E+07	64109.050	8.22
0F06008-CALU	500	3.21594E+07	64318.800	8.22
0F06008-CALV	1000	6.682571E+07	66825.710	8.22
0F06008-CALW	2000	1.380348E+08	69017.400	8.22

AVE RF **74535.830** RF RSD **26.48** AVE RT **8.22**

Endrin Aldehyde



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1879799	3759598.000	8.28
0F06008-CAL2	1	3347299	3347299.000	8.28
0F06008-CAL3	2	6075803	3037902.000	8.28
0F06008-CAL4	5	1.414811E+07	2829622.000	8.28
0F06008-CAL5	10	2.767718E+07	2767718.000	8.28
0F06008-CAL6	25	6.770545E+07	2708218.000	8.28
0F06008-CAL7	50	1.384375E+08	2768750.000	8.28
0F06008-CAL8	100	2.894749E+08	2894749.000	8.28
0F06008-CAL9	200	5.90079E+08	2950395.000	8.28

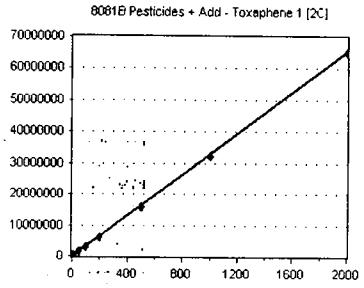
AVE RF **3007139.000** RF RSD **11.36** AVE RT **8.28**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Toxaphene 1 [2C]

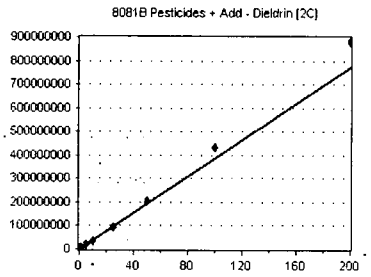


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	372544	37254.400	8.32
0F06008-CALR	50	1668991	33379.820	8.32
0F06008-CALS	100	3187485	31874.850	8.32
0F06008-CALT	200	6174593	30872.960	8.32
0F06008-CALU	500	1.58378E+07	31675.600	8.32
0F06008-CALV	1000	3.208299E+07	32082.990	8.32
0F06008-CALW	2000	6.51119E+07	32555.950	8.32

AVE RF **32813.800** RF RSD **6.41** AVE RT **8.32**

Dieldrin [2C]

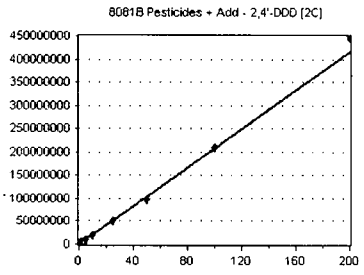


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1940818	3881636.000	8.35
0F06008-CAL2	1	3631612	3631612.000	8.35
0F06008-CAL3	2	6890064	3445032.000	8.35
0F06008-CAL4	5	1.779247E+07	3558494.000	8.35
0F06008-CAL5	10	3.602043E+07	3602043.000	8.35
0F06008-CAL6	25	9.447097E+07	3778839.000	8.34
0F06008-CAL7	50	2.026062E+08	4052124.000	8.34
0F06008-CAL8	100	4.344226E+08	4344226.000	8.35
0F06008-CAL9	200	8.809841E+08	4404921.000	8.35

AVE RF **3855436.000** RF RSD **8.97** AVE RT **8.34**

2,4'-DDD [2C]

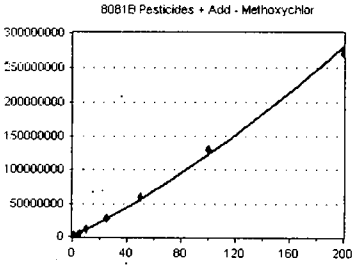


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1185591	2371182.000	8.36
0F06008-CALB	1	2357973	2357973.000	8.36
0F06008-CALC	2	4019825	2009913.000	8.36
0F06008-CALD	5	9138537	1827707.000	8.36
0F06008-CALE	10	1.831917E+07	1831917.000	8.36
0F06008-CALF	25	5.044072E+07	2017629.000	8.36
0F06008-CALG	50	9.843228E+07	1968646.000	8.36
0F06008-CALH	100	2.084093E+08	2084093.000	8.36
0F06008-CALI	200	4.472045E+08	2236023.000	8.36

AVE RF **2078342.000** RF RSD **9.81** AVE RT **8.36**

Methoxychlor



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	692268	1384536.000	8.43
0F06008-CAL2	1	1188720	1188720.000	8.43
0F06008-CAL3	2	2083992	1041996.000	8.43
0F06008-CAL4	5	5153462	1030692.000	8.43
0F06008-CAL5	10	1.111372E+07	1111372.000	8.43
0F06008-CAL6	25	2.832909E+07	1133164.000	8.42
0F06008-CAL7	50	5.942428E+07	1188486.000	8.42
0F06008-CAL8	100	1.297068E+08	1297068.000	8.42
0F06008-CAL9	200	2.704406E+08	1352203.000	8.42

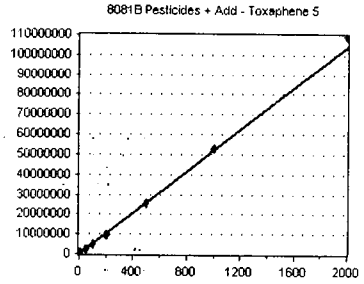
AVE RF **1192026.000** RF RSD **10.79** AVE RT **8.42**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Toxaphene 5

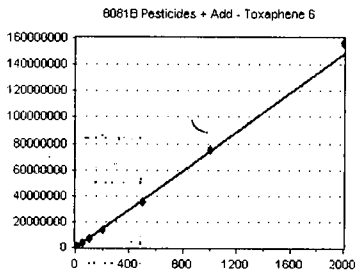


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	599046	59904.600	8.45
0F06008-CALR	50	2442896	48857.920	8.45
0F06008-CALS	100	4962066	49620.660	8.45
0F06008-CALT	200	9567302	47836.510	8.45
0F06008-CALU	500	2.548496E+07	50969.920	8.45
0F06008-CALV	1000	5.284462E+07	52844.620	8.45
0F06008-CALW	2000	1.091099E+08	54554.950	8.45

AVE RF **52084.170** RF RSD **7.98** AVE RT **8.45**

Toxaphene 6

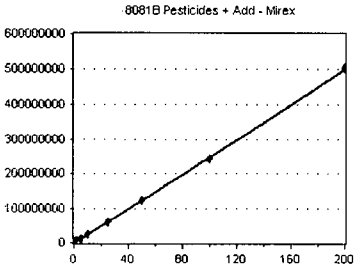


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	860734	86073.400	8.52
0F06008-CALR	50	3477197	69543.940	8.52
0F06008-CALS	100	6835641	68356.410	8.52
0F06008-CALT	200	1.36602E+07	68301.000	8.52
0F06008-CALU	500	3.554189E+07	71083.770	8.52
0F06008-CALV	1000	7.515898E+07	75158.980	8.52
0F06008-CALW	2000	1.561148E+08	78057.400	8.52

AVE RF **73796.410** RF RSD **8.85** AVE RT **8.52**

Mirex

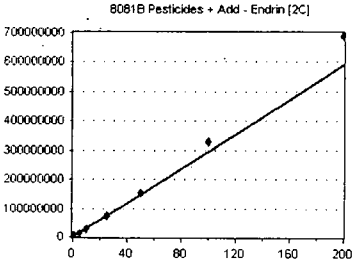


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1951891	3903782.000	8.53
0F06008-CALB	1	3450319	3450319.000	8.53
0F06008-CALC	2	5603738	2801869.000	8.53
0F06008-CALD	5	1.278145E+07	2556290.000	8.53
0F06008-CALE	10	2.441517E+07	2441517.000	8.53
0F06008-CALF	25	6.284691E+07	2513877.000	8.53
0F06008-CALG	50	1.217952E+08	2435904.000	8.53
0F06008-CALH	100	2.43953E+08	2439530.000	8.53
0F06008-CALI	200	5.032382E+08	2516191.000	8.53

AVE RF **2784364.000** RF RSD **19.05** AVE RT **8.53**

Endrin [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1544731	3089462.000	8.57
0F06008-CAL2	1	2729745	2729745.000	8.57
0F06008-CAL3	2	5322724	2661362.000	8.57
0F06008-CAL4	5	1.322808E+07	2645616.000	8.57
0F06008-CAL5	10	2.80958E+07	2809580.000	8.57
0F06008-CAL6	25	7.212264E+07	2884906.000	8.57
0F06008-CAL7	50	1.534064E+08	3068128.000	8.57
0F06008-CAL8	100	3.273262E+08	3273262.000	8.57
0F06008-CAL9	200	6.890865E+08	3445433.000	8.57

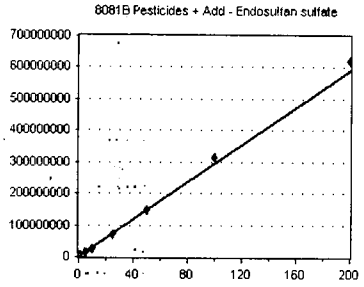
AVE RF **2956388.000** RF RSD **9.50** AVE RT **8.57**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Endosulfan sulfate

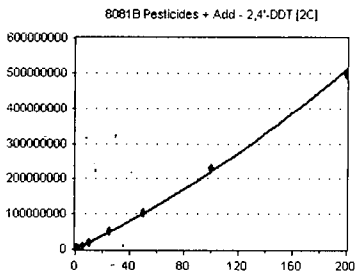


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1642508	3285016.000	8.58
0F06008-CAL2	1	3004760	3004760.000	8.58
0F06008-CAL3	2	5464489	2732245.000	8.58
0F06008-CAL4	5	1.377658E+07	2755316.000	8.58
0F06008-CAL5	10	2.75691E+07	2756910.000	8.58
0F06008-CAL6	25	7.115276E+07	2846111.000	8.58
0F06008-CAL7	50	1.484149E+08	2968298.000	8.58
0F06008-CAL8	100	3.121926E+08	3121926.000	8.58
0F06008-CAL9	200	6.219037E+08	3109519.000	8.58

AVE RF **2953344.000** RF RSD **6.60** AVE RT **8.58**

2,4'-DDT [2C]

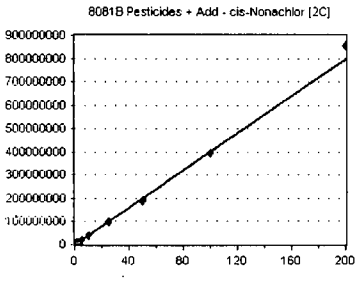


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1241303	2482606.000	8.58
0F06008-CALB	1	2243898	2243898.000	8.58
0F06008-CALC	2	3684050	1842025.000	8.58
0F06008-CALD	5	8951762	1790352.000	8.58
0F06008-CALE	10	1.883359E+07	1883359.000	8.58
0F06008-CALF	25	5.21985E+07	2087940.000	8.58
0F06008-CALG	50	1.039632E+08	2079264.000	8.58
0F06008-CALH	100	2.309369E+08	2309369.000	8.58
0F06008-CALI	200	4.95494E+08	2477470.000	8.58

AVE RF **2132920.000** RF RSD **12.33** AVE RT **8.58**

cis-Nonachlor [2C]

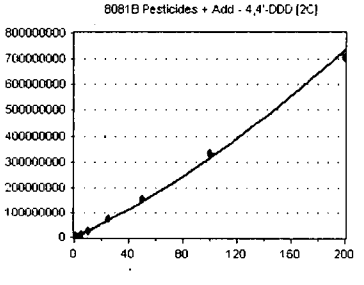


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	2343379	4686758.000	8.62
0F06008-CALB	1	4362479	4362479.000	8.62
0F06008-CALC	2	7556685	3778343.000	8.62
0F06008-CALD	5	1.775257E+07	3550514.000	8.62
0F06008-CALE	10	3.709458E+07	3709458.000	8.62
0F06008-CALF	25	9.6357E+07	3854280.000	8.62
0F06008-CALG	50	1.898044E+08	3796088.000	8.62
0F06008-CALH	100	3.944956E+08	3944956.000	8.62
0F06008-CALI	200	8.578132E+08	4289066.000	8.62

AVE RF **3996882.000** RF RSD **9.23** AVE RT **8.62**

4,4'-DDD [2C]



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1433465	2866930.000	8.63
0F06008-CAL2	1	2582156	2582156.000	8.63
0F06008-CAL3	2	4789098	2394549.000	8.63
0F06008-CAL4	5	1.25409E+07	2508180.000	8.63
0F06008-CAL5	10	2.661394E+07	2661394.000	8.63
0F06008-CAL6	25	7.217549E+07	2887020.000	8.62
0F06008-CAL7	50	1.561362E+08	3122724.000	8.62
0F06008-CAL8	100	3.345143E+08	3345143.000	8.62
0F06008-CAL9	200	7.031197E+08	3515599.000	8.62

AVE RF **2875966.000** RF RSD **13.41** AVE RT **8.62**

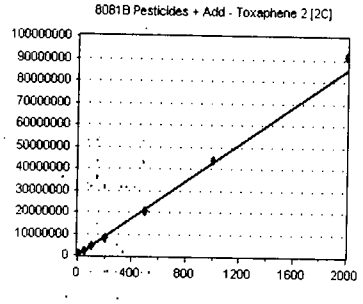
Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

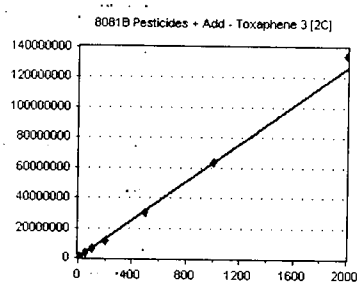


Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	454972	45497.200	8.67
0F06008-CALR	50	2027364	40547.280	8.67
0F06008-CALS	100	4059174	40591.740	8.67
0F06008-CALT	200	8120804	40604.020	8.67
0F06008-CALU	500	2.080319E+07	41606.380	8.67
0F06008-CALV	1000	4.355887E+07	43558.870	8.67
0F06008-CALW	2000	9.137571E+07	45687.860	8.67

AVE RF **42584.760** RF RSD **5.43** AVE RT **8.67**

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

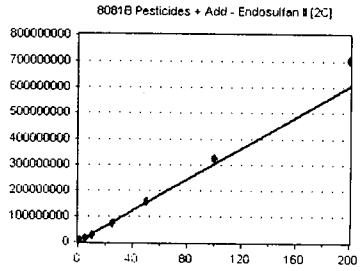


Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	737338	73733.800	8.71
0F06008-CALR	50	3049566	60991.320	8.71
0F06008-CALS	100	5827857	58278.570	8.71
0F06008-CALT	200	1.165809E+07	58290.450	8.71
0F06008-CALU	500	3.015073E+07	60301.460	8.70
0F06008-CALV	1000	6.334426E+07	63344.260	8.71
0F06008-CALW	2000	1.347299E+08	67364.950	8.70

AVE RF **63186.400** RF RSD **8.90** AVE RT **8.71**

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

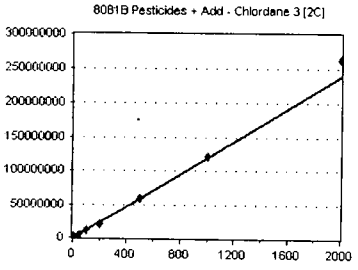


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1615141	3230282.000	8.72
0F06008-CAL2	1	2841269	2841269.000	8.72
0F06008-CAL3	2	5513918	2756959.000	8.72
0F06008-CAL4	5	1.391595E+07	2783190.000	8.72
0F06008-CAL5	10	2.776886E+07	2776886.000	8.72
0F06008-CAL6	25	7.337006E+07	2934803.000	8.72
0F06008-CAL7	50	1.569653E+08	3139306.000	8.72
0F06008-CAL8	100	3.229488E+08	3229488.000	8.72
0F06008-CAL9	200	7.045011E+08	3522506.000	8.72

AVE RF **3023854.000** RF RSD **8.89** AVE RT **8.72**

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0F06008-CALJ	10	1377635	137763.500	8.76
0F06008-CALK	50	5527957	110559.100	8.76
0F06008-CALL	100	1.087873E+07	108787.300	8.76
0F06008-CALM	200	2.105665E+07	105283.300	8.76
0F06008-CALN	500	5.982671E+07	119653.400	8.76
0F06008-CALO	1000	1.218456E+08	121845.600	8.76
0F06008-CALP	2000	2.620668E+08	131033.400	8.76

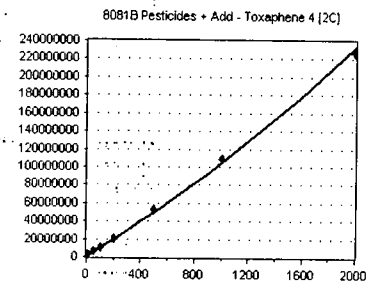
AVE RF **119275.100** RF RSD **10.09** AVE RT **8.76**

Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Toxaphene 4 [2C]

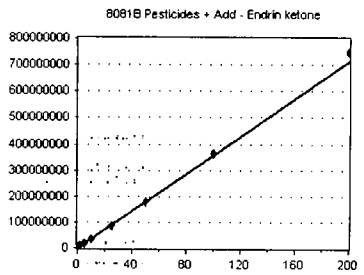


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	2581320	258132.000	8.77
0F06008-CALR	50	5845916	116918.300	8.77
0F06008-CALS	100	1.056301E+07	105630.100	8.77
0F06008-CALT	200	2.043685E+07	102184.300	8.77
0F06008-CALU	500	5.287739E+07	105754.800	8.77
0F06008-CALV	1000	1.086692E+08	108669.200	8.77
0F06008-CALW	2000	2.267029E+08	113351.400	8.77

AVE RF **130091.400** RF RSD **43.57** AVE RT **8.77**

Endrin ketone

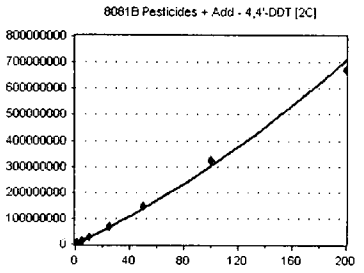


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2113749	4227498.000	8.77
0F06008-CAL2	1	3683963	3683963.000	8.77
0F06008-CAL3	2	6682577	3341289.000	8.78
0F06008-CAL4	5	1.641169E+07	3282338.000	8.77
0F06008-CAL5	10	3.275681E+07	3275681.000	8.77
0F06008-CAL6	25	8.464596E+07	3385839.000	8.77
0F06008-CAL7	50	1.753298E+08	3506596.000	8.77
0F06008-CAL8	100	3.649758E+08	3649758.000	8.77
0F06008-CAL9	200	7.493416E+08	3746708.000	8.77

AVE RF **3566630.000** RF RSD **8.54** AVE RT **8.77**

4,4'-DDT [2C]

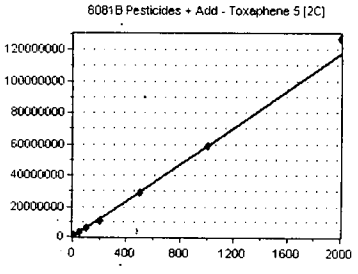


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1397421	2794842.000	8.85
0F06008-CAL2	1	2507300	2507300.000	8.85
0F06008-CAL3	2	4520922	2260461.000	8.85
0F06008-CAL4	5	1.164032E+07	2328064.000	8.85
0F06008-CAL5	10	2.530836E+07	2530836.000	8.85
0F06008-CAL6	25	7.022194E+07	2808878.000	8.85
0F06008-CAL7	50	1.474903E+08	2949806.000	8.85
0F06008-CAL8	100	3.24142E+08	3241420.000	8.85
0F06008-CAL9	200	6.716278E+08	3358139.000	8.85

AVE RF **2753305.000** RF RSD **13.96** AVE RT **8.85**

Toxaphene 5 [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	696424	69642.400	8.95
0F06008-CALR	50	2698078	53961.560	8.95
0F06008-CALS	100	5383300	53833.000	8.95
0F06008-CALT	200	1.078588E+07	53929.400	8.95
0F06008-CALU	500	2.84637E+07	56927.400	8.95
0F06008-CALV	1000	5.894802E+07	58948.020	8.95
0F06008-CALW	2000	1.275366E+08	63768.300	8.95

AVE RF **58715.730** RF RSD **10.25** AVE RT **8.95**

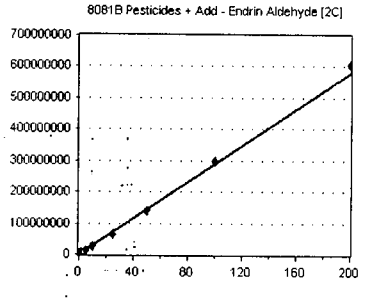
Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Endrin Aldehyde [2C]

Curve Fit: **AVERAGE RF**

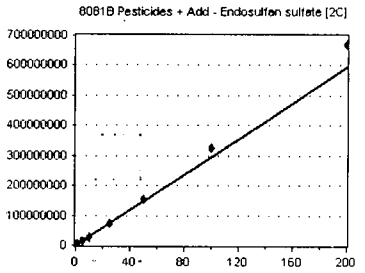


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1718494	3436988.000	8.96
0F06008-CAL2	1	3154587	3154587.000	8.96
0F06008-CAL3	2	5717746	2858873.000	8.96
0F06008-CAL4	5	1.298674E+07	2597348.000	8.96
0F06008-CAL5	10	2.580052E+07	2580052.000	8.96
0F06008-CAL6	25	6.463944E+07	2585578.000	8.96
0F06008-CAL7	50	1.400919E+08	2801838.000	8.96
0F06008-CAL8	100	2.988383E+08	2988383.000	8.96
0F06008-CAL9	200	6.072426E+08	3036213.000	8.96

AVE RF **2893318.000** RF RSD **10.10** AVE RT **8.96**

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

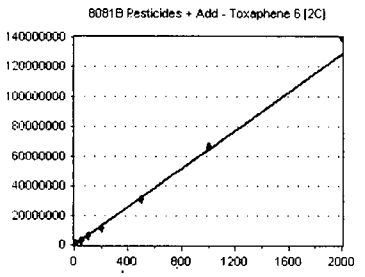


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1592318	3184636.000	9.15
0F06008-CAL2	1	2906383	2906383.000	9.15
0F06008-CAL3	2	5480703	2740352.000	9.15
0F06008-CAL4	5	1.349592E+07	2699184.000	9.15
0F06008-CAL5	10	2.6487E+07	2648700.000	9.15
0F06008-CAL6	25	7.028007E+07	2811203.000	9.15
0F06008-CAL7	50	1.540264E+08	3080528.000	9.15
0F06008-CAL8	100	3.260439E+08	3260439.000	9.15
0F06008-CAL9	200	6.709503E+08	3354751.000	9.15

AVE RF **2965131.000** RF RSD **8.84** AVE RT **9.15**

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**

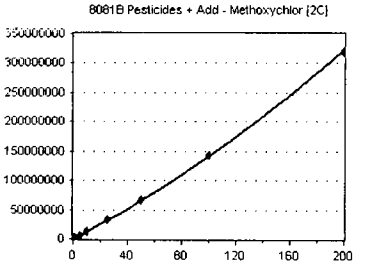


Standard	Concentration	Response	Response Factor	RT
0F06008-CALQ	10	742472	74247.200	9.33
0F06008-CALR	50	3021892	60437.840	9.33
0F06008-CALS	100	5801758	58017.580	9.33
0F06008-CALT	200	1.172404E+07	58620.200	9.33
0F06008-CALU	500	3.090438E+07	61808.760	9.33
0F06008-CALV	1000	6.662541E+07	66625.410	9.33
0F06008-CALW	2000	1.399259E+08	69962.950	9.33

AVE RF **64245.710** RF RSD **9.62** AVE RT **9.33**

Methoxychlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	797429	1594858.000	9.34
0F06008-CAL2	1	1407906	1407906.000	9.34
0F06008-CAL3	2	2395626	1197813.000	9.34
0F06008-CAL4	5	5959726	1191945.000	9.34
0F06008-CAL5	10	1.279638E+07	1279638.000	9.34
0F06008-CAL6	25	3.282125E+07	1312850.000	9.33
0F06008-CAL7	50	6.694992E+07	1338998.000	9.33
0F06008-CAL8	100	1.429294E+08	1429294.000	9.33
0F06008-CAL9	200	3.190594E+08	1595297.000	9.33

AVE RF **1372067.000** RF RSD **10.93** AVE RT **9.33**

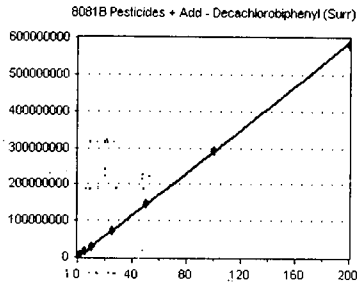
Element Calibration Review Sheet

Calibration ID: **A0F0804** Instrument: **DUALECD8** Calibration Date: **06/08/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20060**

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

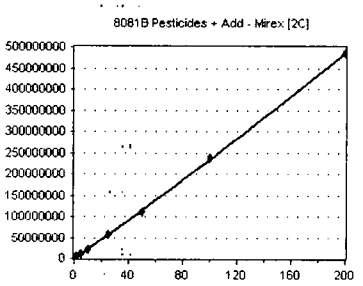


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	2013031	4026062.000	9.48
0F06008-CAL2	1	3476866	3476866.000	9.48
0F06008-CAL3	2	6074784	3037392.000	9.48
0F06008-CAL4	5	1.479808E+07	2959616.000	9.48
0F06008-CAL5	10	2.895476E+07	2895476.000	9.48
0F06008-CAL6	25	7.00438E+07	2801752.000	9.48
0F06008-CAL7	50	1.468536E+08	2937072.000	9.48
0F06008-CAL8	100	2.919637E+08	2919637.000	9.48
0F06008-CAL9	200	5.839153E+08	2919577.000	9.48

AVE RF **3108161.000** RF RSD **12.69** AVE RT **9.48**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

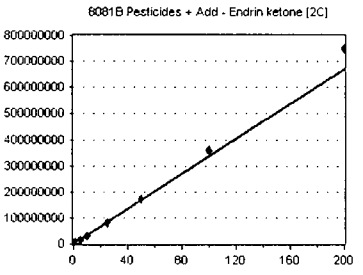


Standard	Concentration	Response	Response Factor	RT
0F06008-CALA	0.5	1704303	3408606.000	9.54
0F06008-CALB	1	3067448	3067448.000	9.54
0F06008-CALC	2	5247610	2623805.000	9.54
0F06008-CALD	5	1.156363E+07	2312726.000	9.54
0F06008-CALE	10	2.212072E+07	2212072.000	9.54
0F06008-CALF	25	5.728059E+07	2291224.000	9.54
0F06008-CALG	50	1.11468E+08	2229360.000	9.54
0F06008-CALH	100	2.384168E+08	2384168.000	9.54
0F06008-CALI	200	4.861259E+08	2430630.000	9.54

AVE RF **2551115.000** RF RSD **16.35** AVE RT **9.54**

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

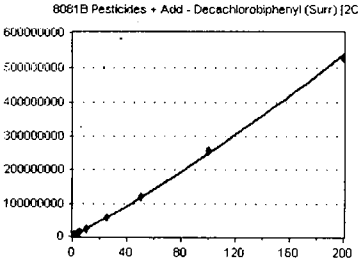


Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1919402	3838804.000	9.55
0F06008-CAL2	1	3294560	3294560.000	9.55
0F06008-CAL3	2	6009531	3004766.000	9.55
0F06008-CAL4	5	1.513307E+07	3026614.000	9.55
0F06008-CAL5	10	3.029832E+07	3029832.000	9.55
0F06008-CAL6	25	8.067641E+07	3227056.000	9.55
0F06008-CAL7	50	1.730066E+08	3460132.000	9.55
0F06008-CAL8	100	3.604723E+08	3604723.000	9.55
0F06008-CAL9	200	7.485304E+08	3742652.000	9.55

AVE RF **3358793.000** RF RSD **9.50** AVE RT **9.55**

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0F06008-CAL1	0.5	1600154	3200308.000	10.40
0F06008-CAL2	1	2732738	2732738.000	10.40
0F06008-CAL3	2	4898047	2449024.000	10.40
0F06008-CAL4	5	1.178777E+07	2357554.000	10.40
0F06008-CAL5	10	2.313262E+07	2313262.000	10.40
0F06008-CAL6	25	5.893814E+07	2357526.000	10.40
0F06008-CAL7	50	1.211499E+08	2422998.000	10.40
0F06008-CAL8	100	2.563313E+08	2563313.000	10.40
0F06008-CAL9	200	5.272506E+08	2636253.000	10.40

AVE RF **2559219.000** RF RSD **10.87** AVE RT **10.40**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06008

Analysis Included

1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608.3 Pesticides
608.3 Additionals
608.3 Chlordane
608.3 Pest (Chlordane)
608.3 Pesticides (DDT Only)
608.3 Pesticides (SW)
608.3 Pesticides (SW) Full List
608.3 Pesticides (TTO)
608.3 Toxaphene
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B Pesticides + Add (Diss)
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06008

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0F06008-ICB1	Initial Cal Blank	Water	A20F087		6/6/2020 3:34:00PM
0F06008-CAL1	Cal Standard	Water	A20F080	"	6/6/2020 3:51:00PM
0F06008-CAL2	Cal Standard	Water	A20F081	"	6/6/2020 4:07:00PM
0F06008-CAL3	Cal Standard	Water	A20C179	"	6/6/2020 4:24:00PM
0F06008-CAL4	Cal Standard	Water	A20C180	"	6/6/2020 4:40:00PM
0F06008-CAL5	Cal Standard	Water	A20C181	"	6/6/2020 4:57:00PM
0F06008-CAL6	Cal Standard	Water	A20C182	"	6/6/2020 5:13:00PM
0F06008-CAL7	Cal Standard	Water	A20E232	"	6/6/2020 5:30:00PM
0F06008-CAL8	Cal Standard	Water	A20E233	"	6/6/2020 5:46:00PM
0F06008-CAL9	Cal Standard	Water	A20C177	"	6/6/2020 6:03:00PM
0F06008-ICV1	Initial Cal Check	Water	A20C164	"	6/6/2020 6:36:00PM
0F06008-CALA	Cal Standard	Water	A20F082	"	6/6/2020 6:52:00PM
0F06008-CALB	Cal Standard	Water	A20C353	"	6/6/2020 7:09:00PM
0F06008-CALC	Cal Standard	Water	A20C354	"	6/6/2020 7:25:00PM
0F06008-CALD	Cal Standard	Water	A20C355	"	6/6/2020 7:42:00PM
0F06008-CALE	Cal Standard	Water	A20C356	"	6/6/2020 7:58:00PM
0F06008-CALF	Cal Standard	Water	A20C357	"	6/6/2020 8:15:00PM
0F06008-CALG	Cal Standard	Water	A20C358	"	6/6/2020 8:31:00PM
0F06008-CALH	Cal Standard	Water	A20C359	"	6/6/2020 8:48:00PM
0F06008-CALI	Cal Standard	Water	A20C352	"	6/6/2020 9:04:00PM
0F06008-ICV2	Initial Cal Check	Water	A20C360	"	6/6/2020 9:38:00PM
0F06008-CALJ	Cal Standard	Water	A20F083	"	6/6/2020 9:54:00PM
0F06008-CALK	Cal Standard	Water	A20F057	"	6/6/2020 10:11:00PM
0F06008-CALL	Cal Standard	Water	A20F058	"	6/6/2020 10:27:00PM
0F06008-CALM	Cal Standard	Water	A20F059	"	6/6/2020 10:44:00PM
0F06008-CALN	Cal Standard	Water	A20F060	"	6/6/2020 11:00:00PM
0F06008-CALO	Cal Standard	Water	A20F061	"	6/6/2020 11:17:00PM
0F06008-CALP	Cal Standard	Water	A20F056	"	6/6/2020 11:33:00PM
0F06008-ICV3	Initial Cal Check	Water	A20F062	"	6/7/2020 12:06:00AM
0F06008-CALQ	Cal Standard	Water	A20F084	"	6/7/2020 12:23:00AM
0F06008-CALR	Cal Standard	Water	A20F064	"	6/7/2020 12:39:00AM
0F06008-CALS	Cal Standard	Water	A20F065	"	6/7/2020 12:56:00AM
0F06008-CALT	Cal Standard	Water	A20F066	"	6/7/2020 1:12:00AM
0F06008-CALU	Cal Standard	Water	A20D430	"	6/7/2020 1:29:00AM
0F06008-CALV	Cal Standard	Water	A20D431	"	6/7/2020 1:45:00AM
0F06008-CALW	Cal Standard	Water	A20F063	"	6/7/2020 2:02:00AM
0F06008-ICV4	Initial Cal Check	Water	A20F067	"	6/7/2020 2:35:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0F0804** Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg L Sequence: **0F06008** Matrix: **Water**

0F06008-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06008

0F06008-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0F06008-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0F06008

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).

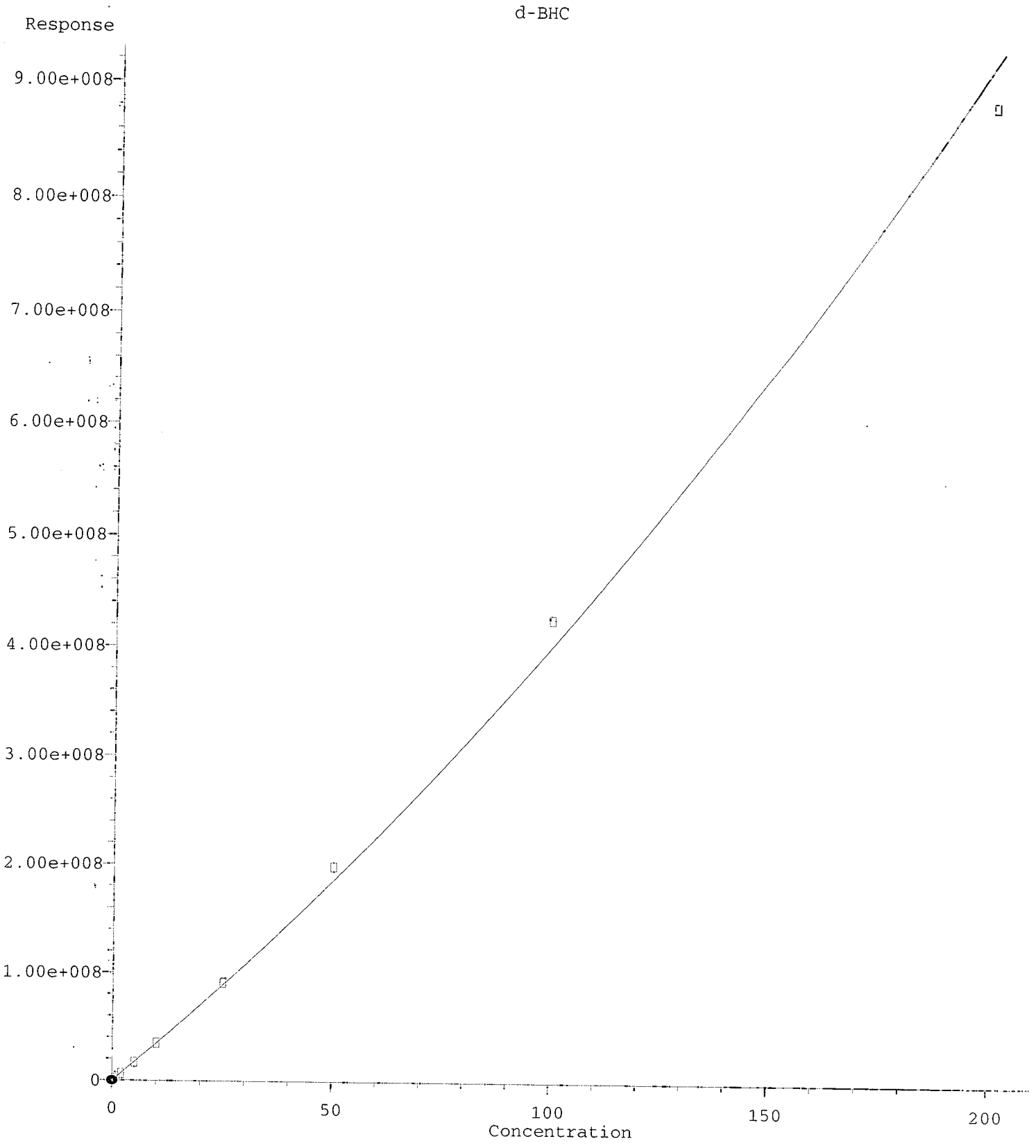
ICV RECOVERIES

Calibration: **A0F0804** Instrument: **DUALECD8F**

608.3 Pesticides Sequence: **0F06008** Matrix: **Water**

0F06008-ICV1	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0F06008-ICV2	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0F06008-ICV3	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0F06008-ICV4	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

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

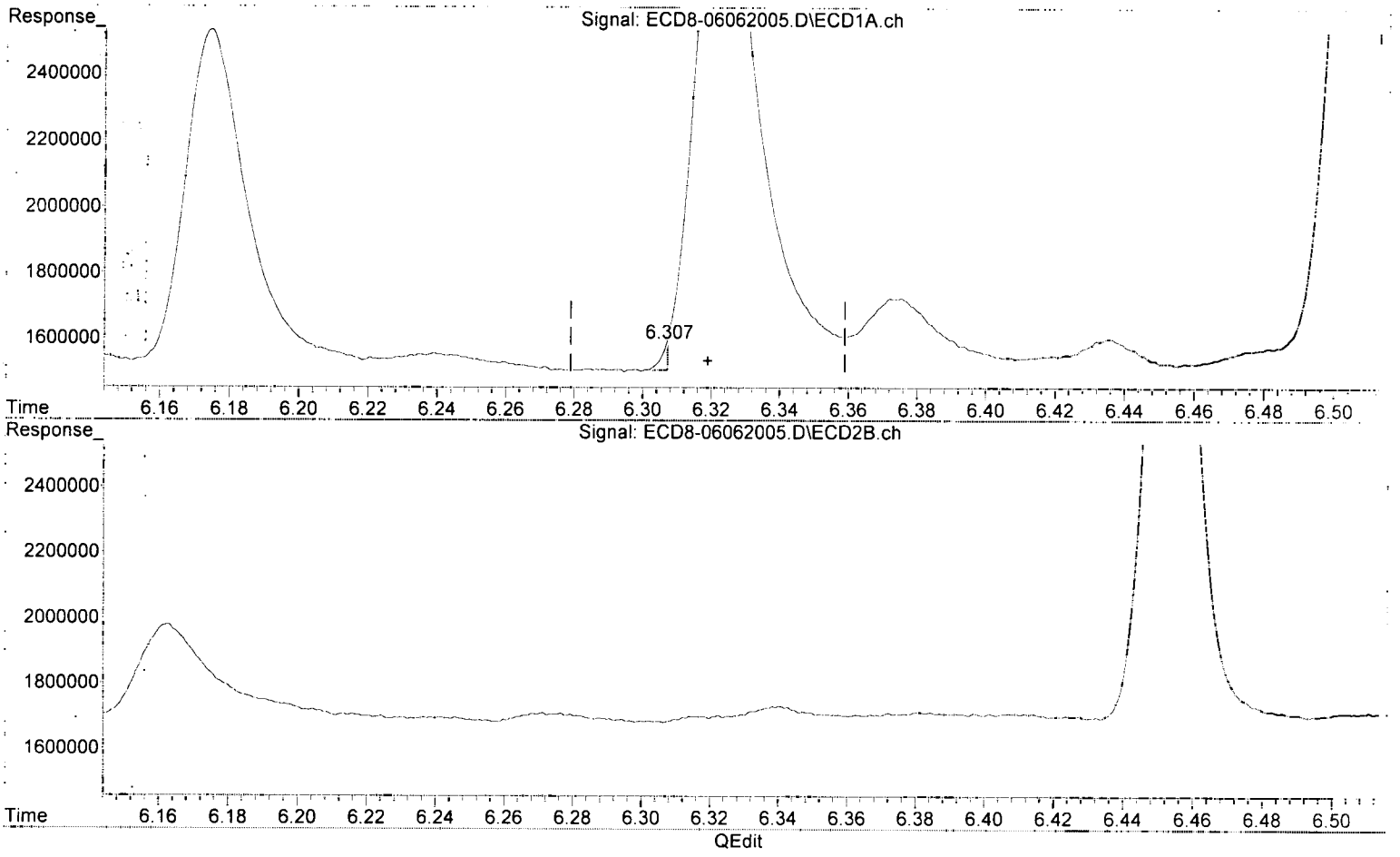


R = 6.03e+003 A*A + 3.41e+006 A - 1.12e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(6) d-BHC

6.307min 0.057 ng/mL (m)

response 80219

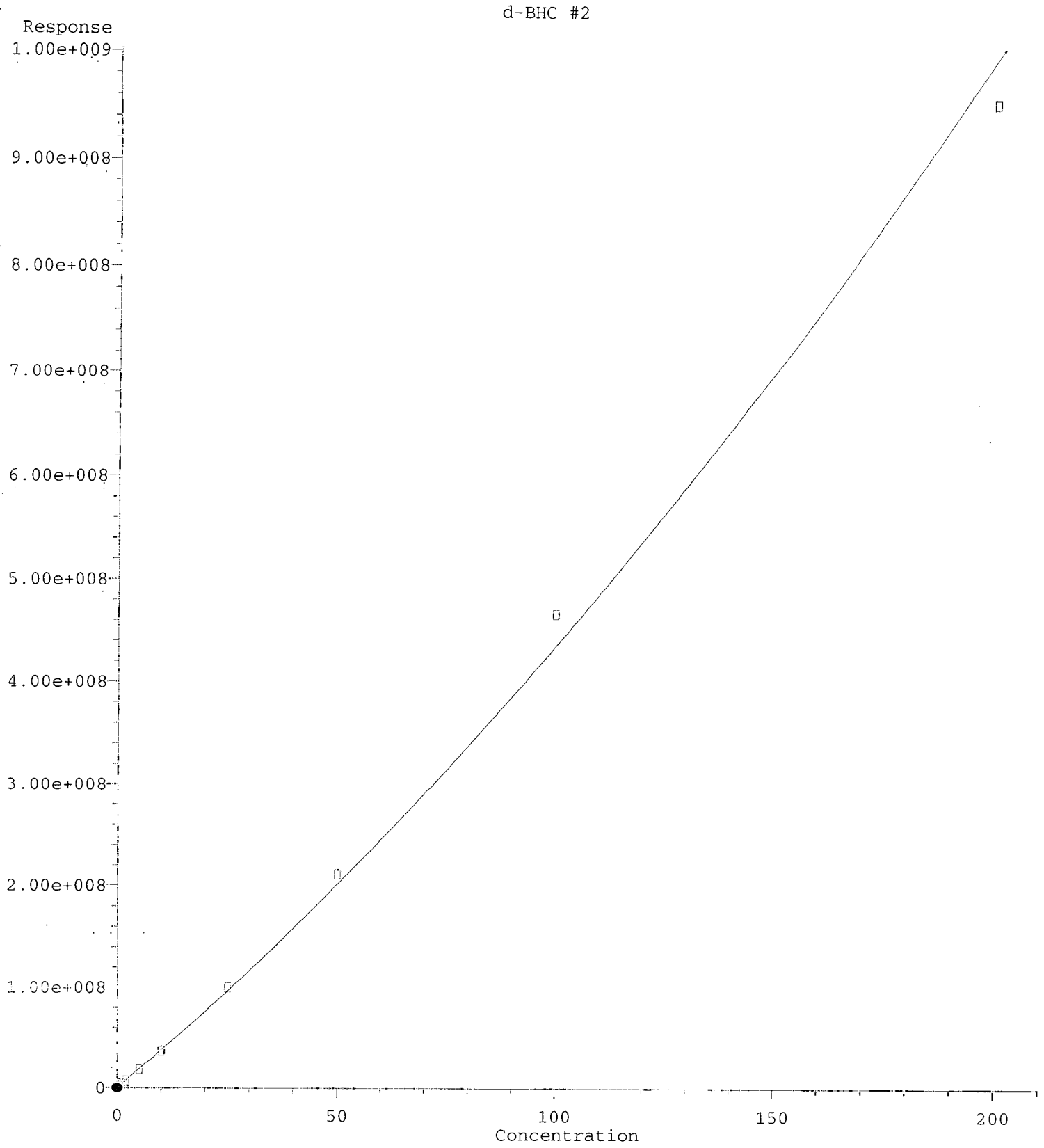
MJB 6/7/20

(6) d-BHC #2

7.093min 0.516 ng/mL

response 1786163

(+) = Expected Retention Time

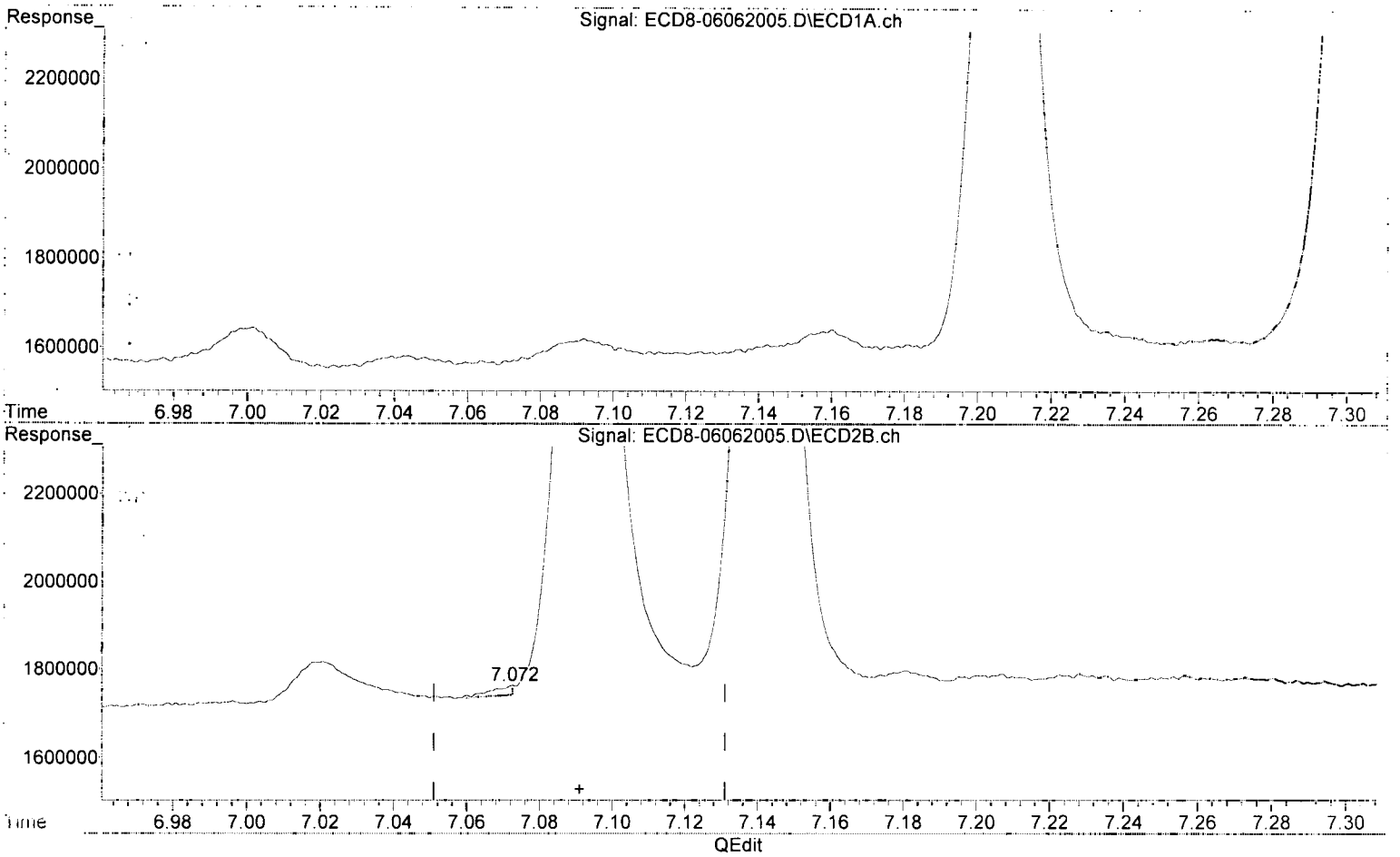


R = 6.38e+003 A*A + 3.71e+006 A - 1.32e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(6) d-BHC

6.307min 0.057 ng/mL m

response 80219

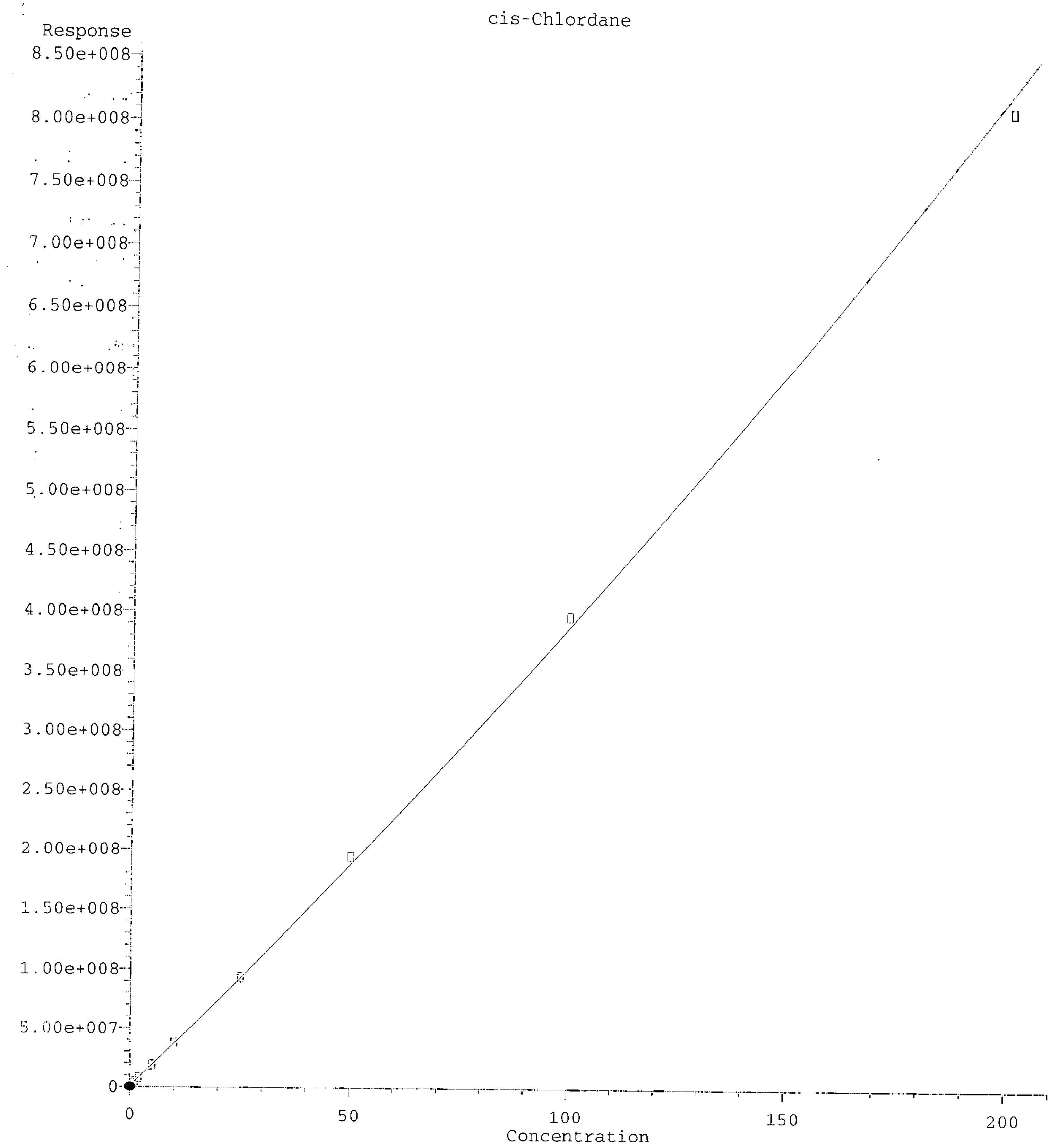
MJB 6/7/20

(6) d-BHC #2

7.072min 0.041 ng/mL (m)

response 22076

(+) = Expected Retention Time

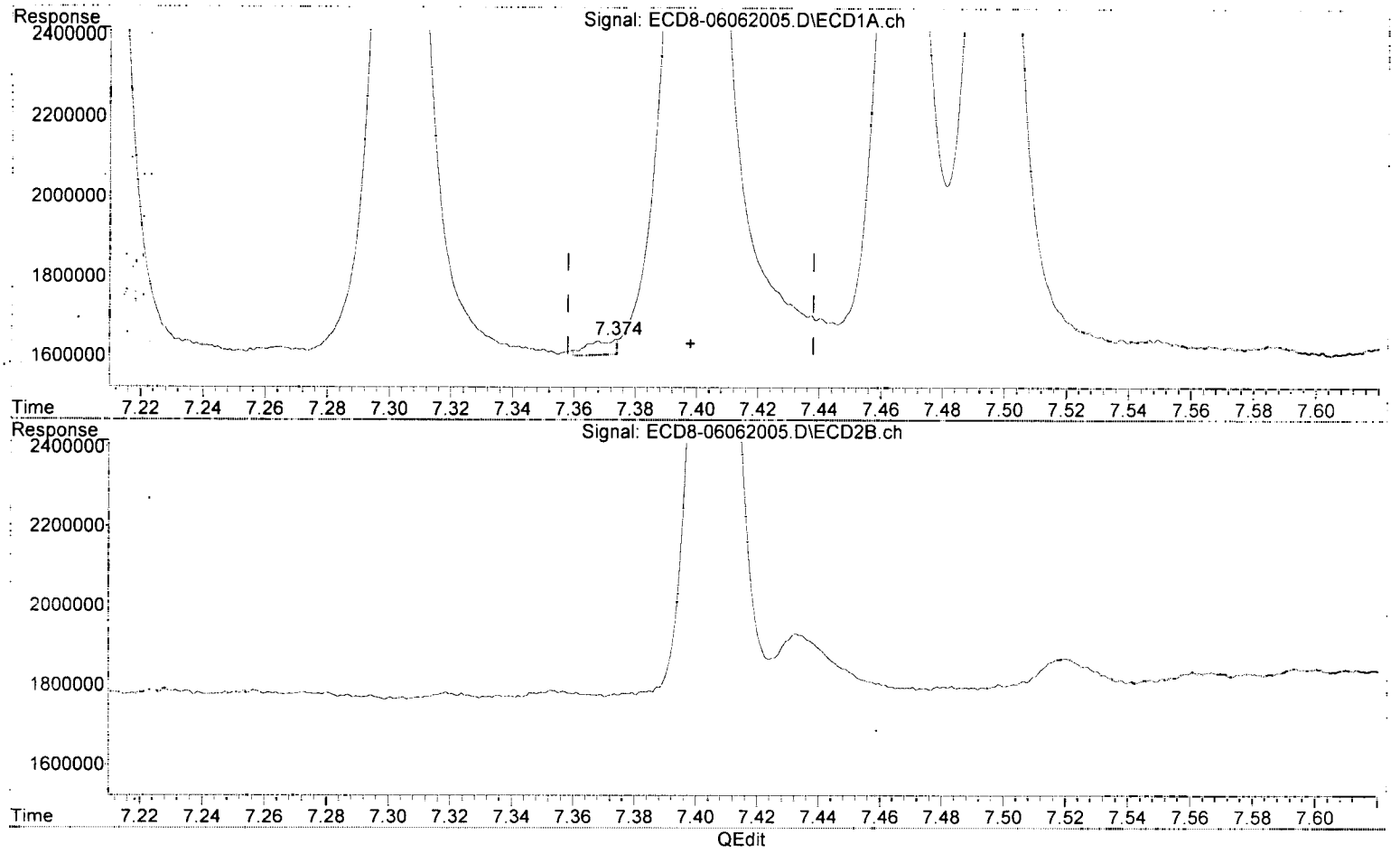


R = 2.56e+003 A*A + 3.62e+006 A + 7.53e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(10) cis-Chlordane

7.374min -0.198 ng/mL (m)

response 37331

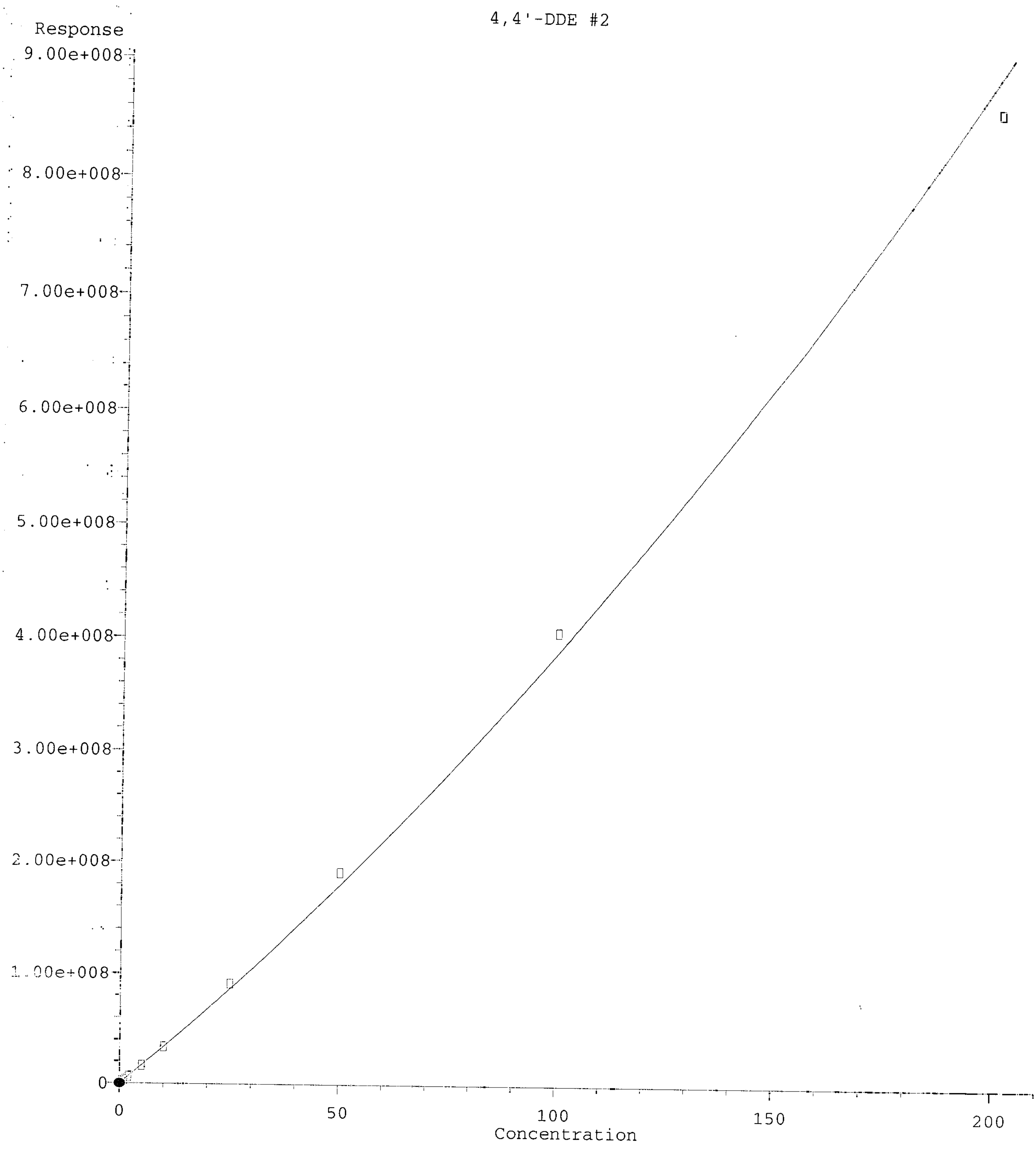
MB 6/17/20

(10) cis-Chlordane #2

8.095min 0.579 ng/mL

response 2156882

(+) = Expected Retention Time

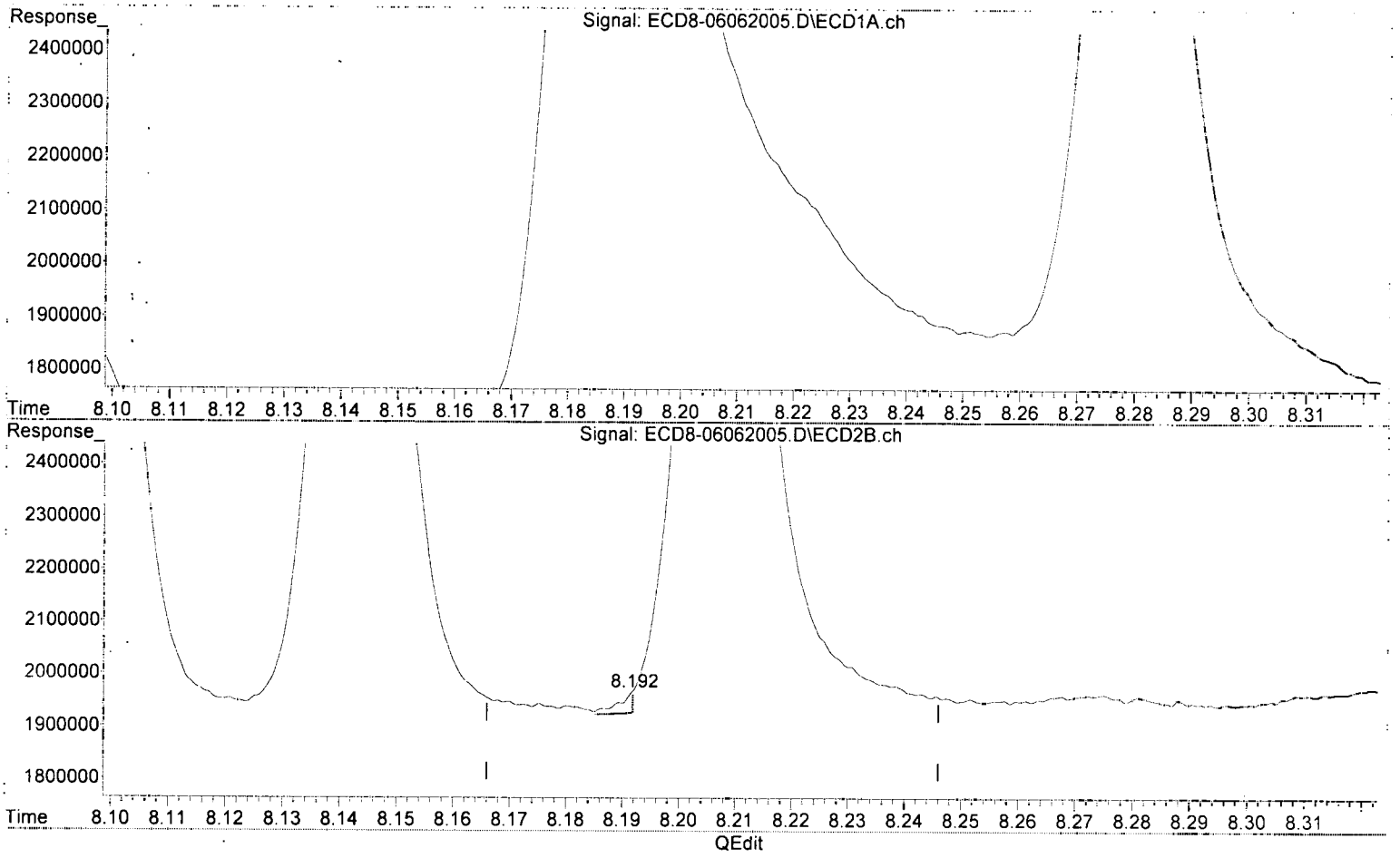


R = 5.80e+003 A*A + 3.30e+006 A - 1.94e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic (1/A^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE

7.467min 0.500 ng/mL

response 1831508

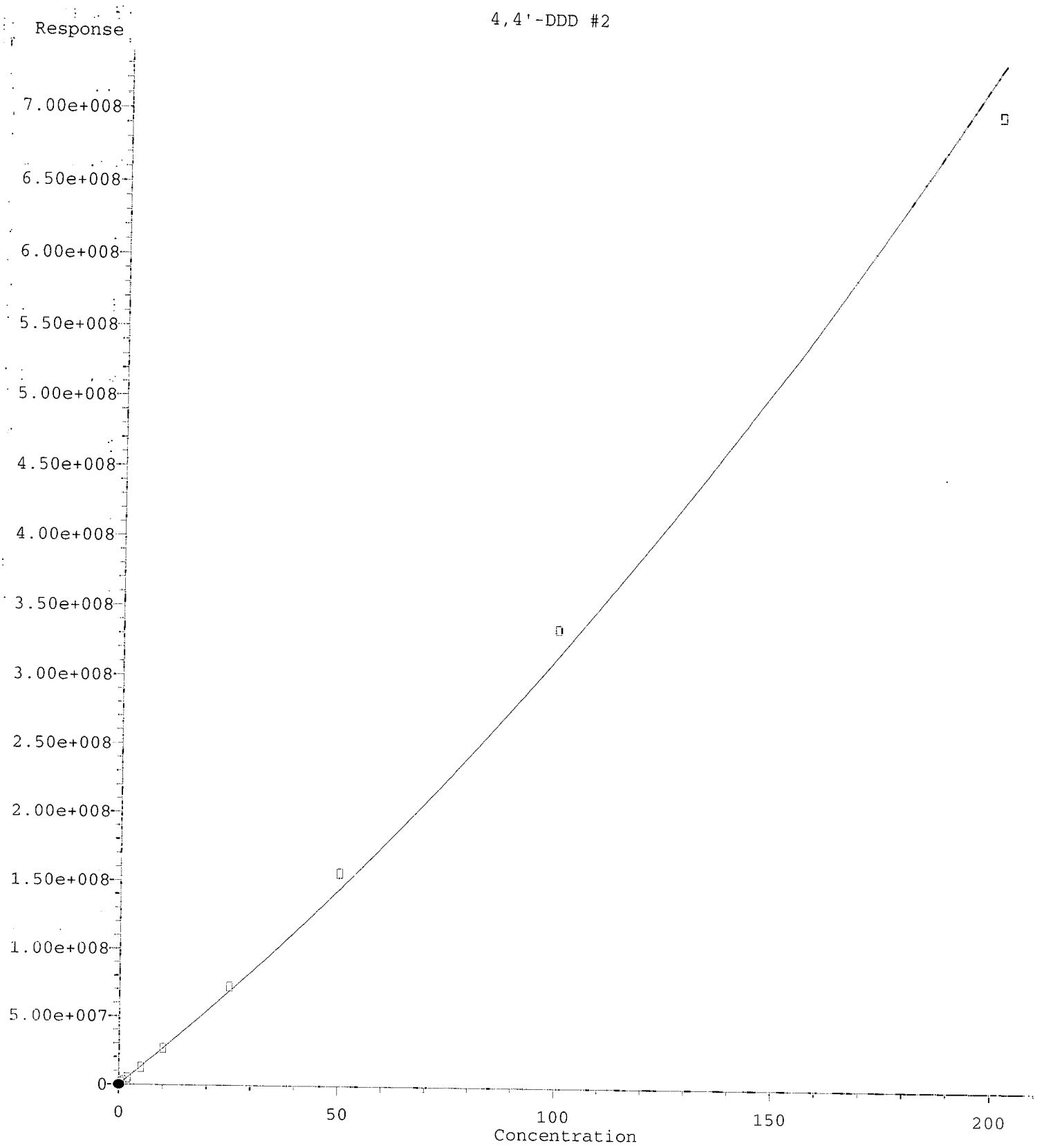
MJB 6/7/20

(12) 4,4'-DDE #2

8.192min 0.018 ng/mL (m)

response 39729

(+) = Expected Retention Time

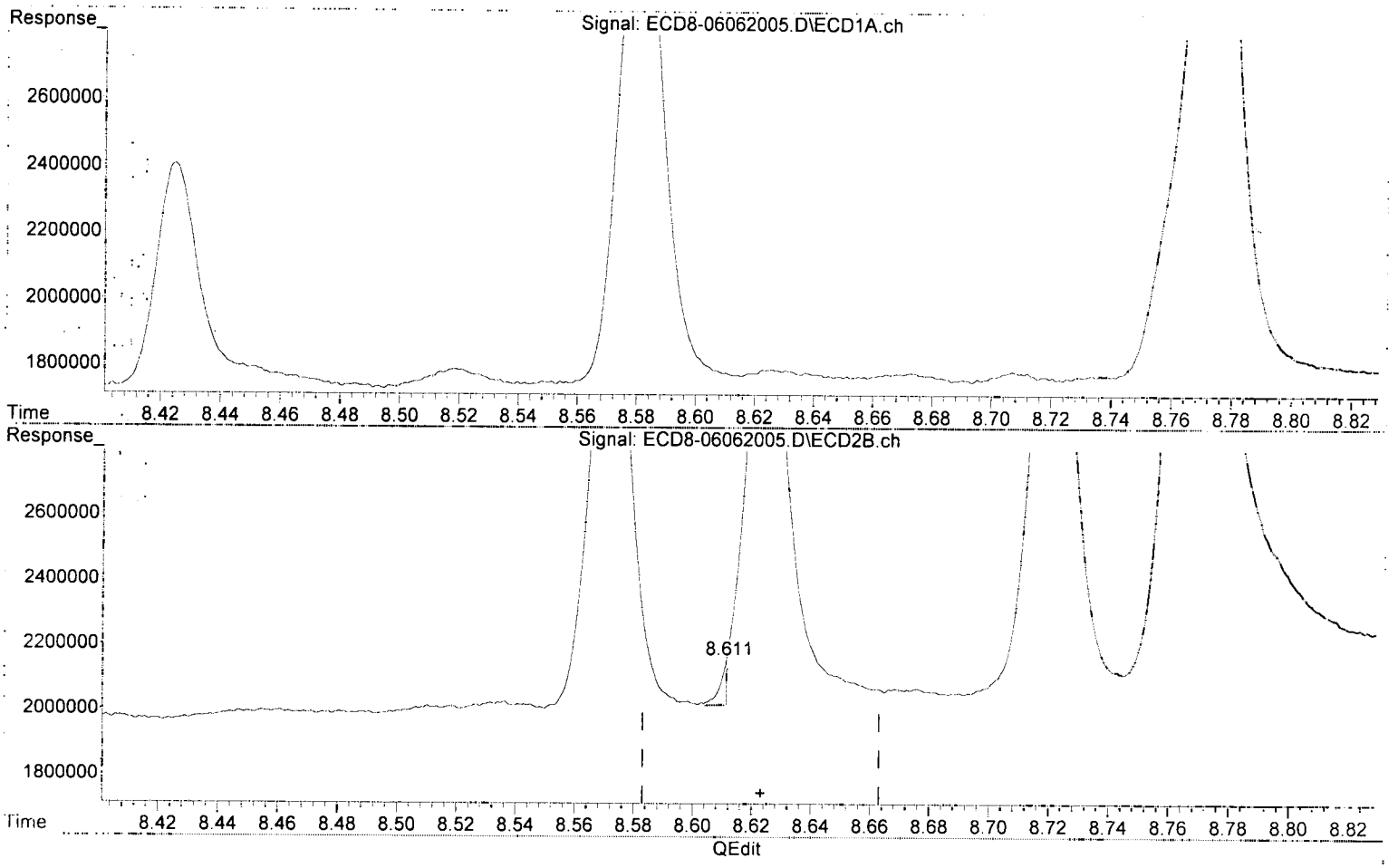


R = 5.32e+003 A*A + 2.62e+006 A + 6.04e+004
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w/ 1/a^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD

7.888min 0.483 ng/mL

response 1378674

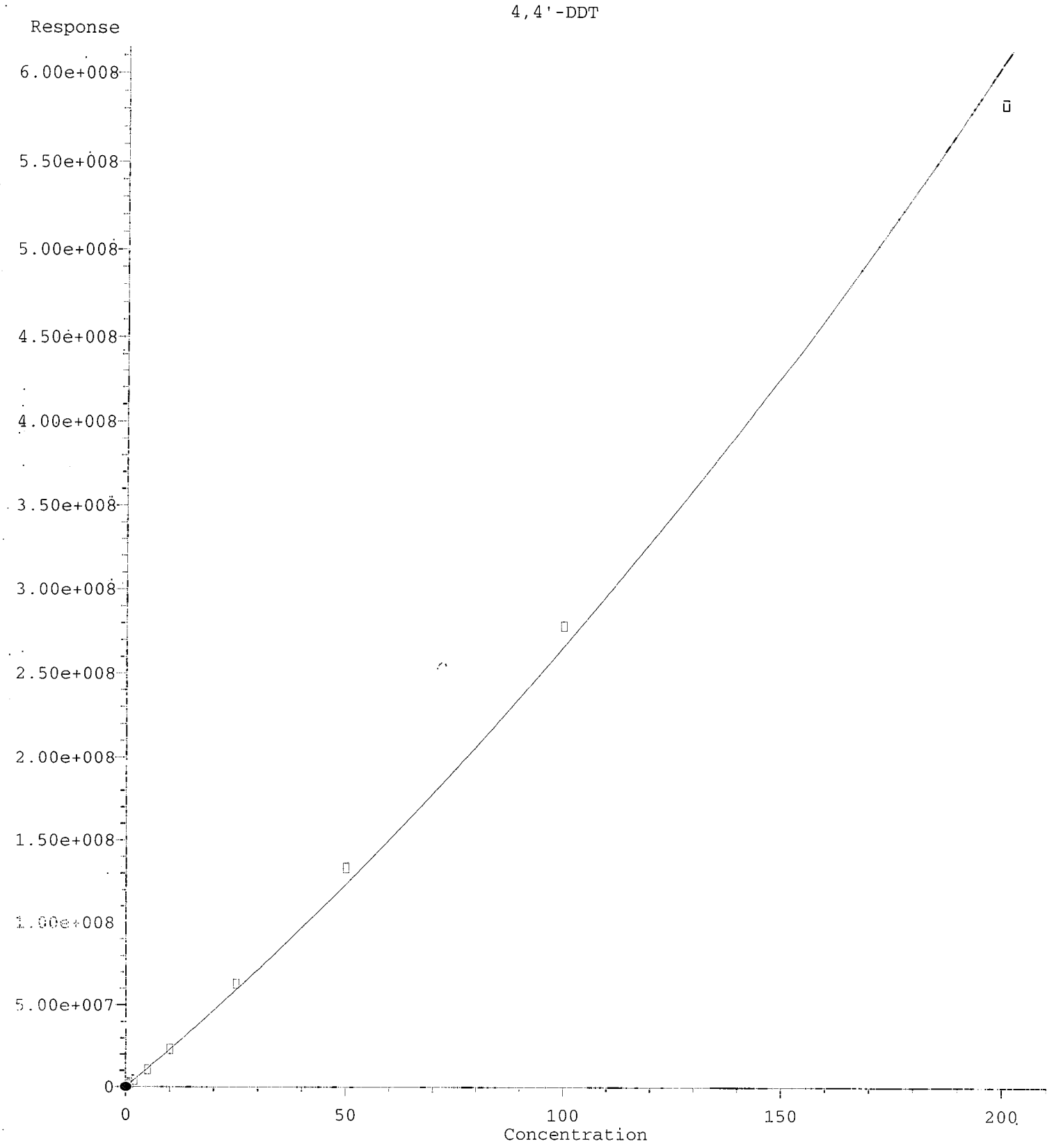
MJB 6/7/20

(15) 4,4'-DDD #2

8.611min 0.030 ng/mL (m)

response 138557

(+) = Expected Retention Time

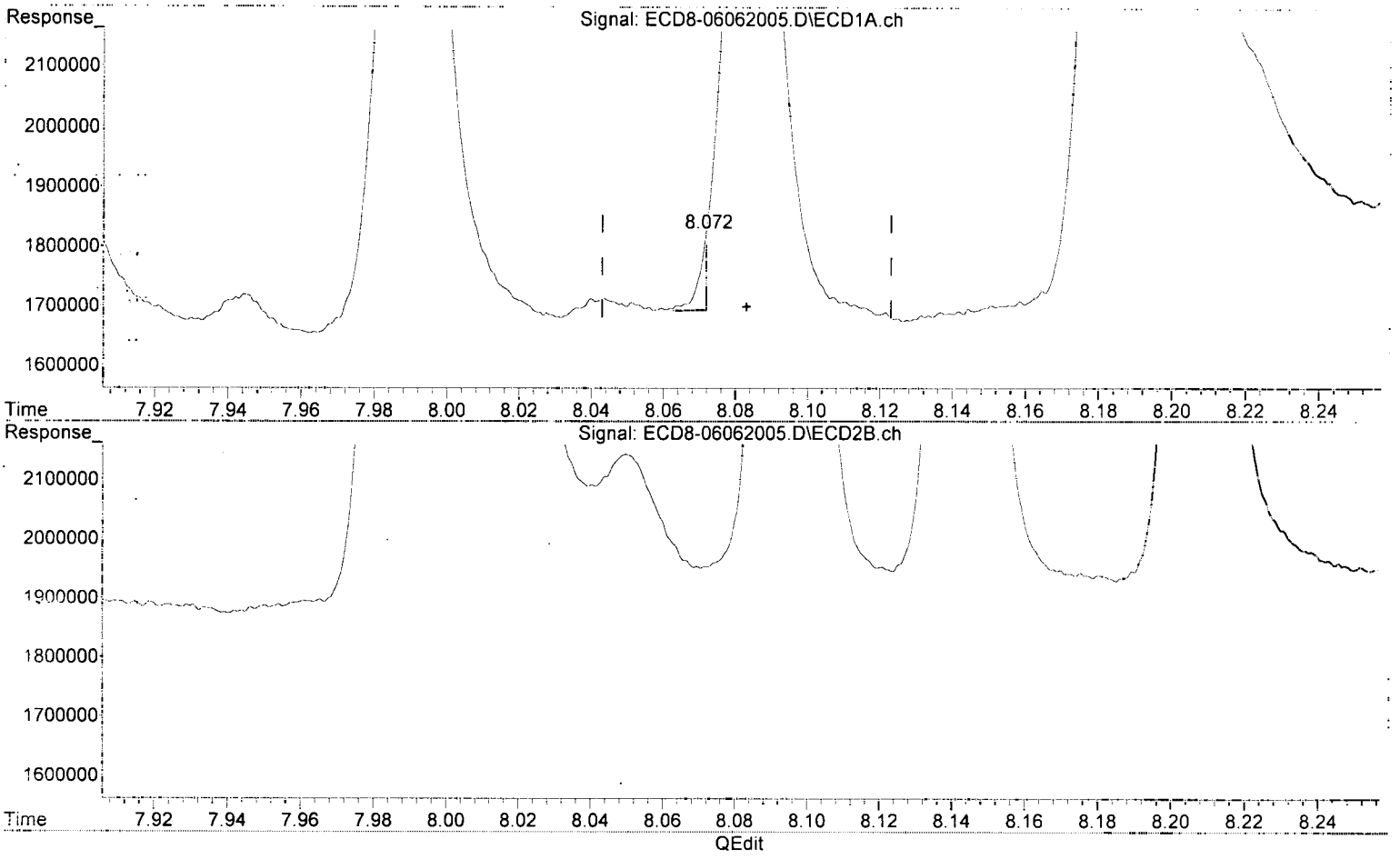


R = 3.88e+003 A*A + 2.27e+006 A - 2.10e+004
Coef of Det (r^2) = 0.995 CurveFit: Quadratic w/1/a^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT

8.072min 0.066 ng/mL (m)

response 129017

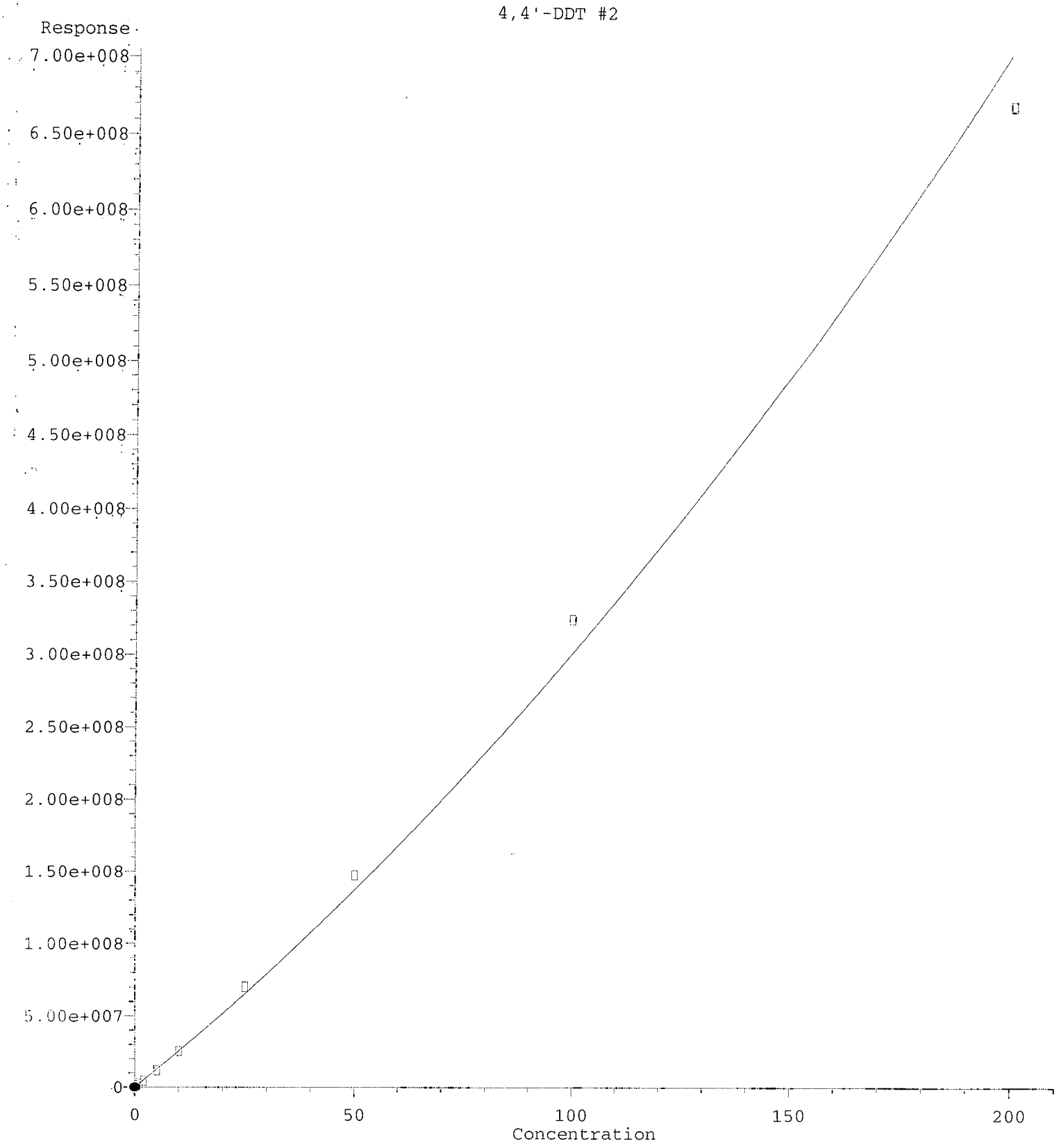
MJB 6/7/20

(17) 4,4'-DDT #2

8.851min 0.524 ng/mL

response 1397421

(+) = Expected Retention Time

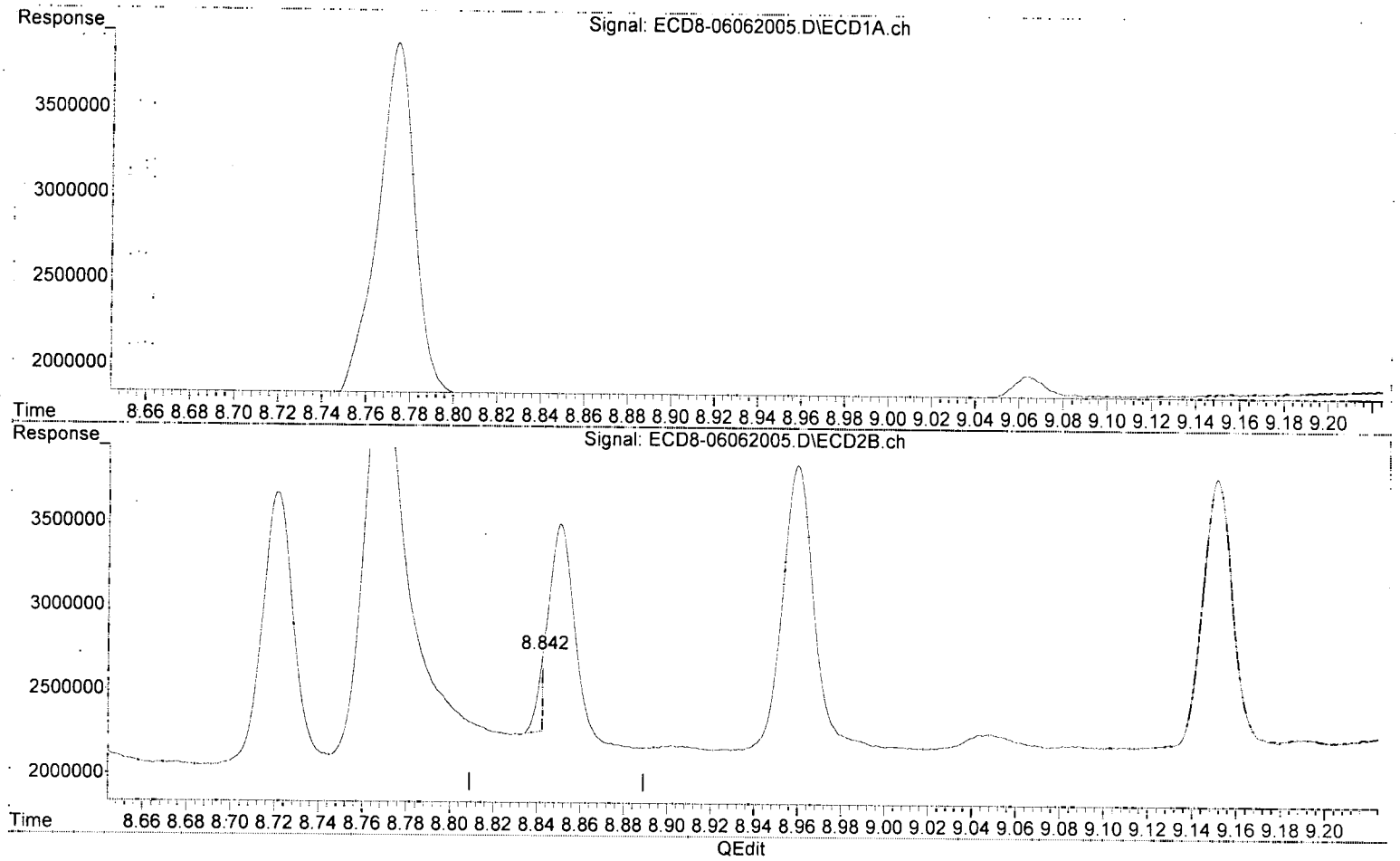


R = 5.29e+003 A*A + 2.48e+006 A + 9.52e+004
Coef of Det (r^2) = 0.994 CurveFit: Quadratic, w/(1/x^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT

8.072min 0.066 ng/mL m

response 129017

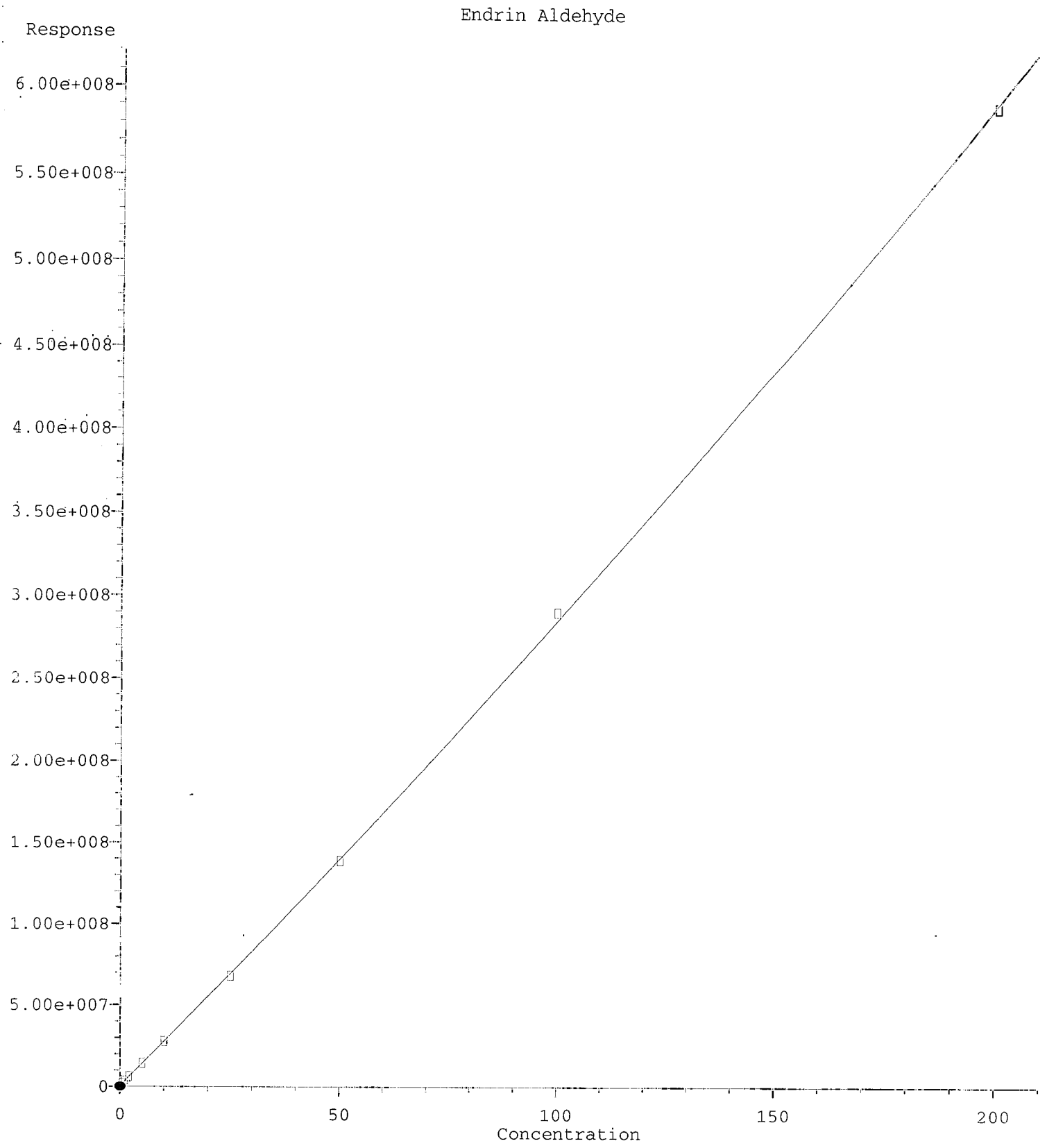
MJB 6/7/20

(17) 4,4'-DDT #2

8.842min 0.131 ng/mL m

response 420517

(+) = Expected Retention Time

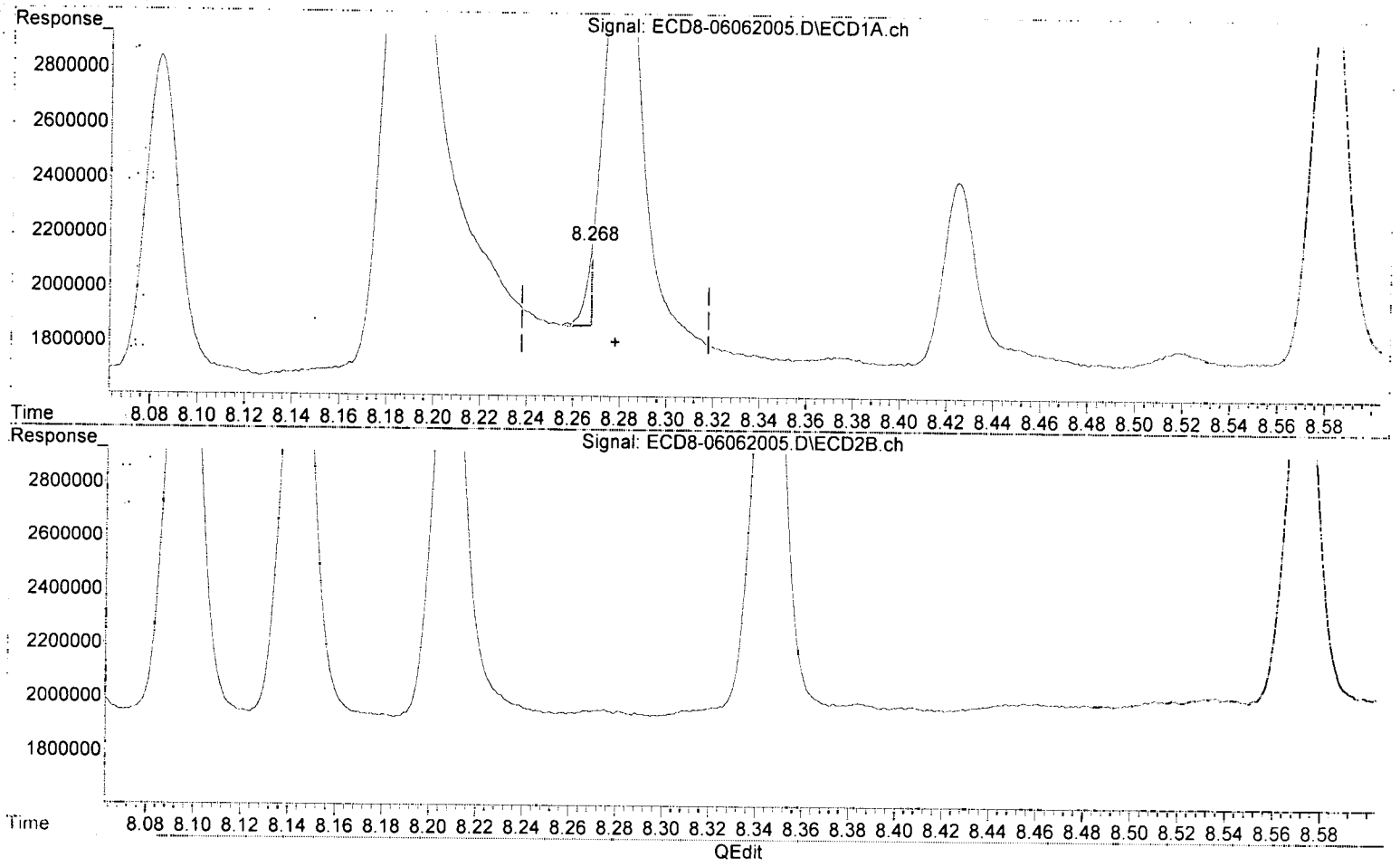


R = 1.18e+003 A*A + 2.72e+006 A + 5.43e+005
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w/1/a^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(18) Endrin Aldehyde

8.268min -0.090 ng/mL (m)

MJB 6/7/20

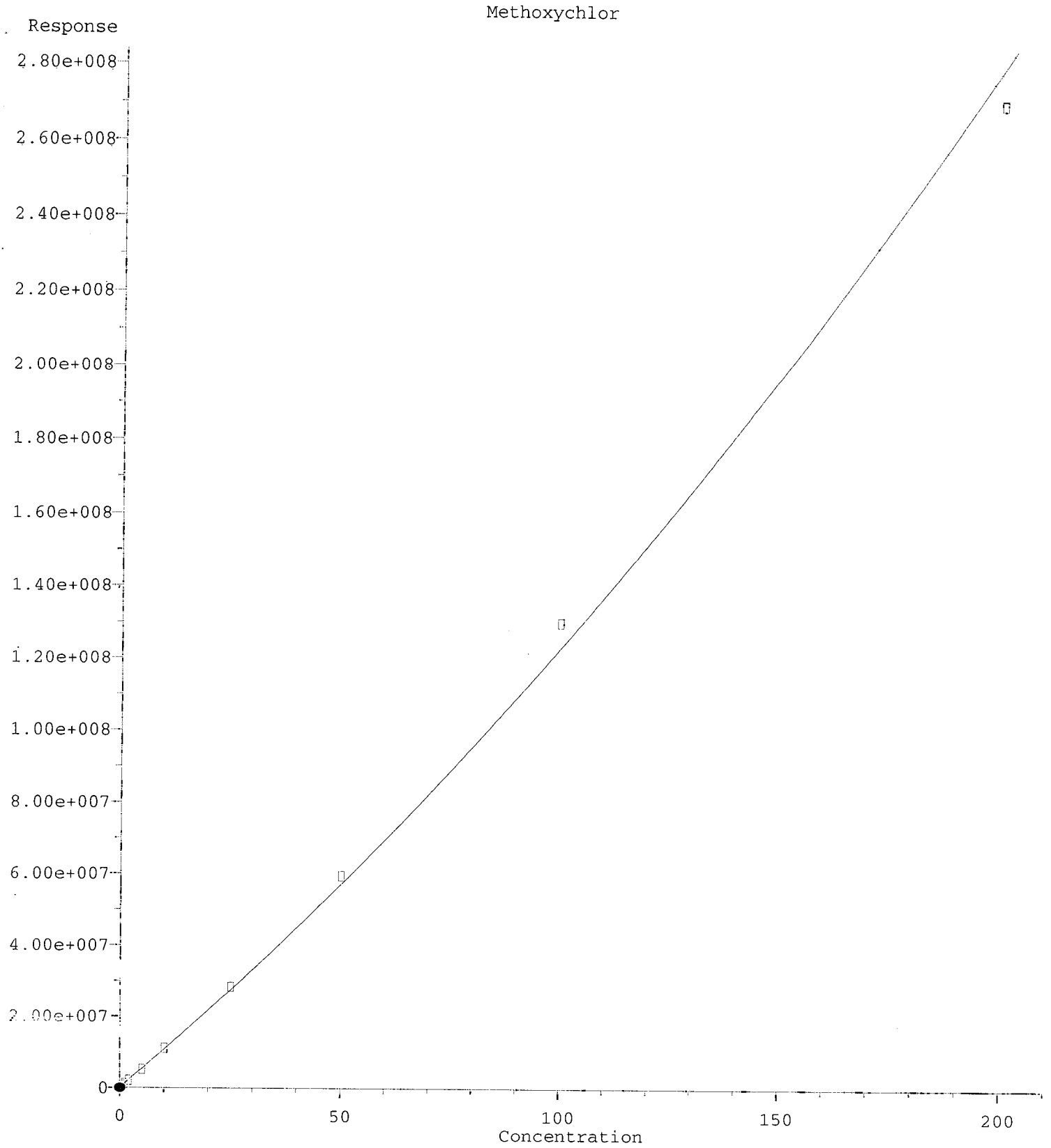
response 296884

(18) Endrin Aldehyde #2

8.960min 0.594 ng/mL

response 1718494

(+) = Expected Retention Time

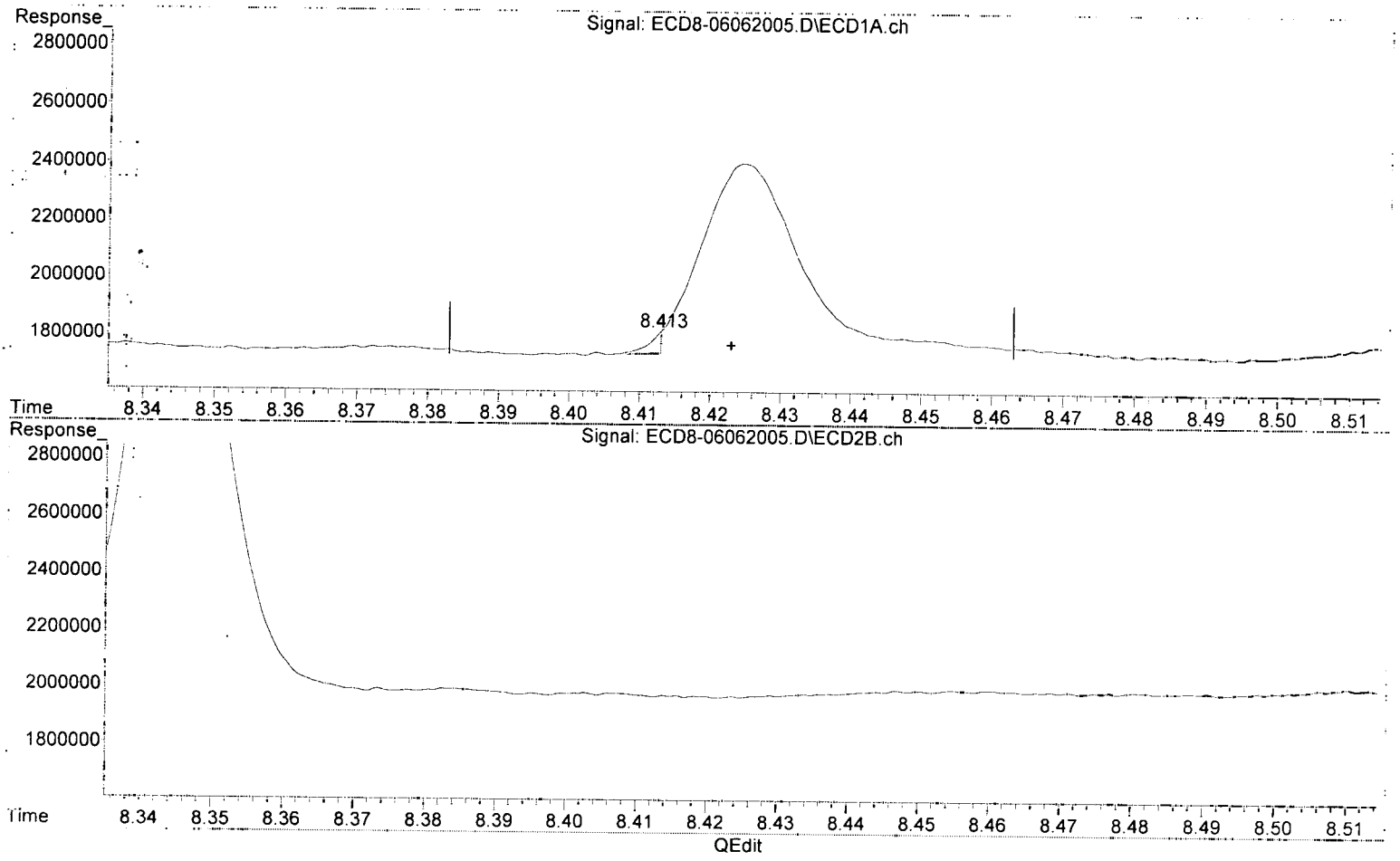


R = 1.75e+003 A*A + 1.05e+006 A + 1.51e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w/ 1/x^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(20) Methoxychlor

8.413min -0.069 ng/mL (m)

response 77928

MB 61712.

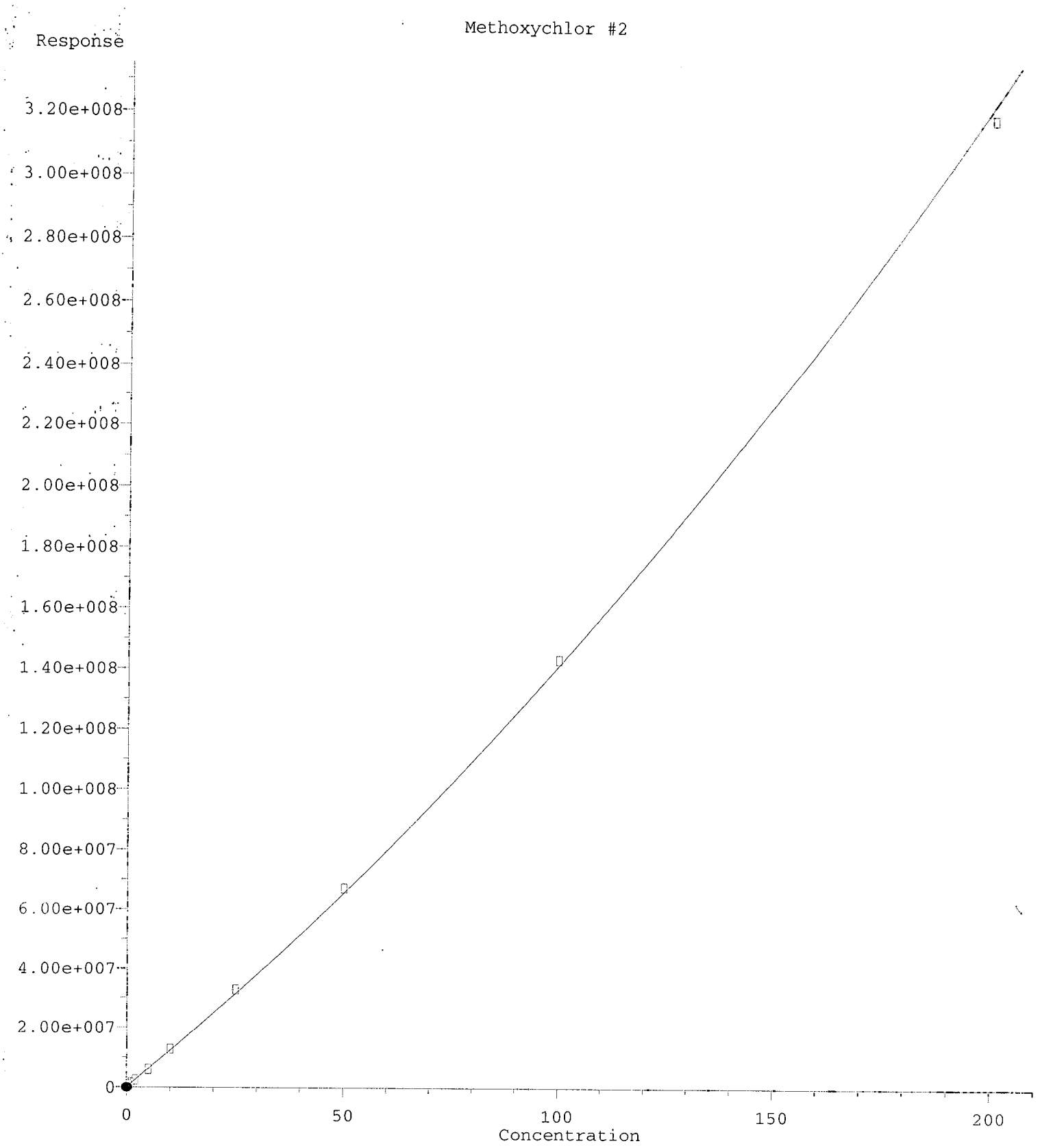
(20) Methoxychlor #2

9.335min 0.508 ng/mL

response 797429

(+) = Expected Retention Time

ECD8_QUANTPEST_200606.M Sun Jun 07 15:27:10 2020

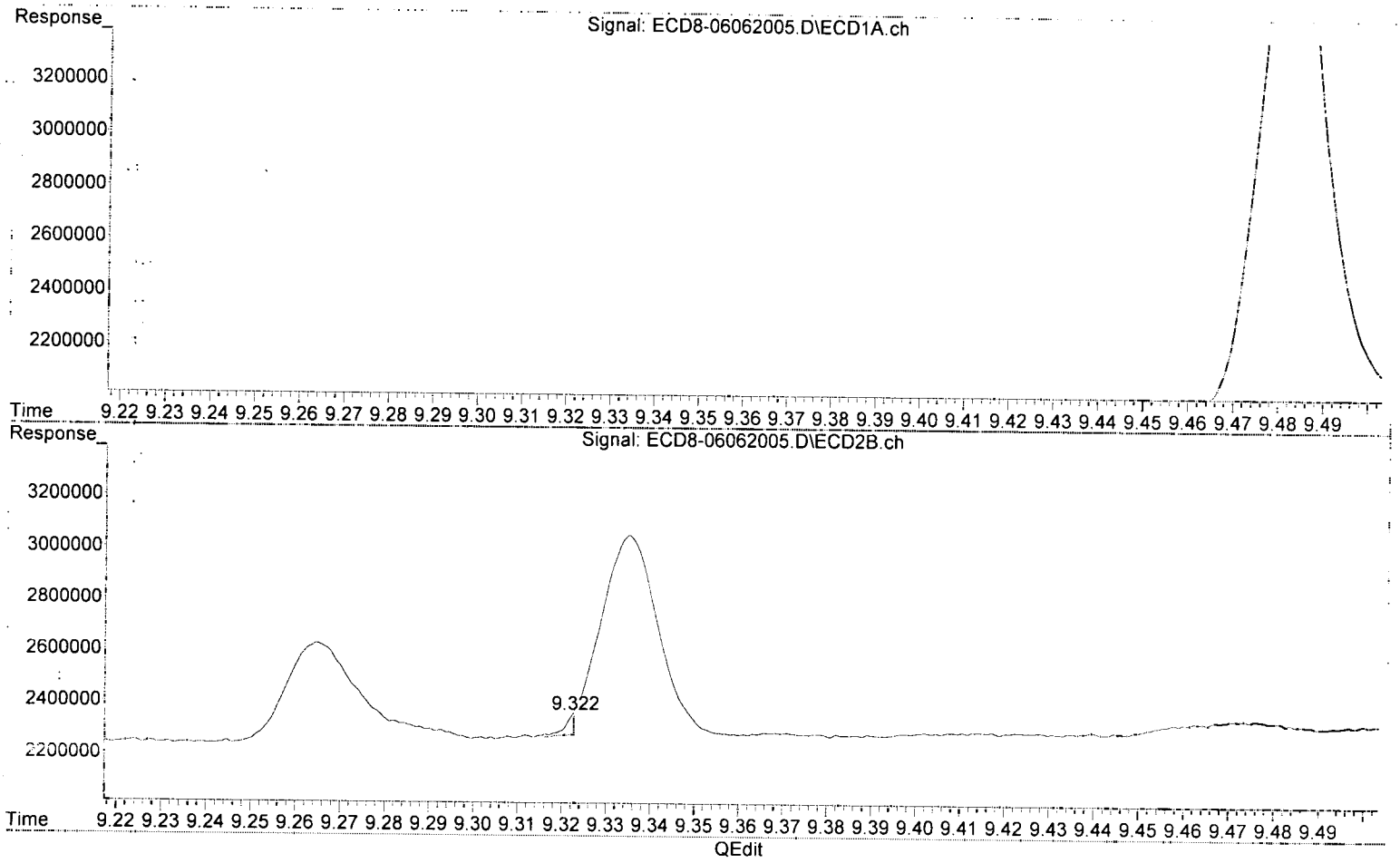


R = 2.09e+003 A*A + 1.20e+006 A + 1.88e+005
Coef of Det (r^2) = 0.998 CurveFit: Quadratic, Ave (1/x^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(20) Methoxychlor

8.413min -0.069 ng/mL m

response 77928

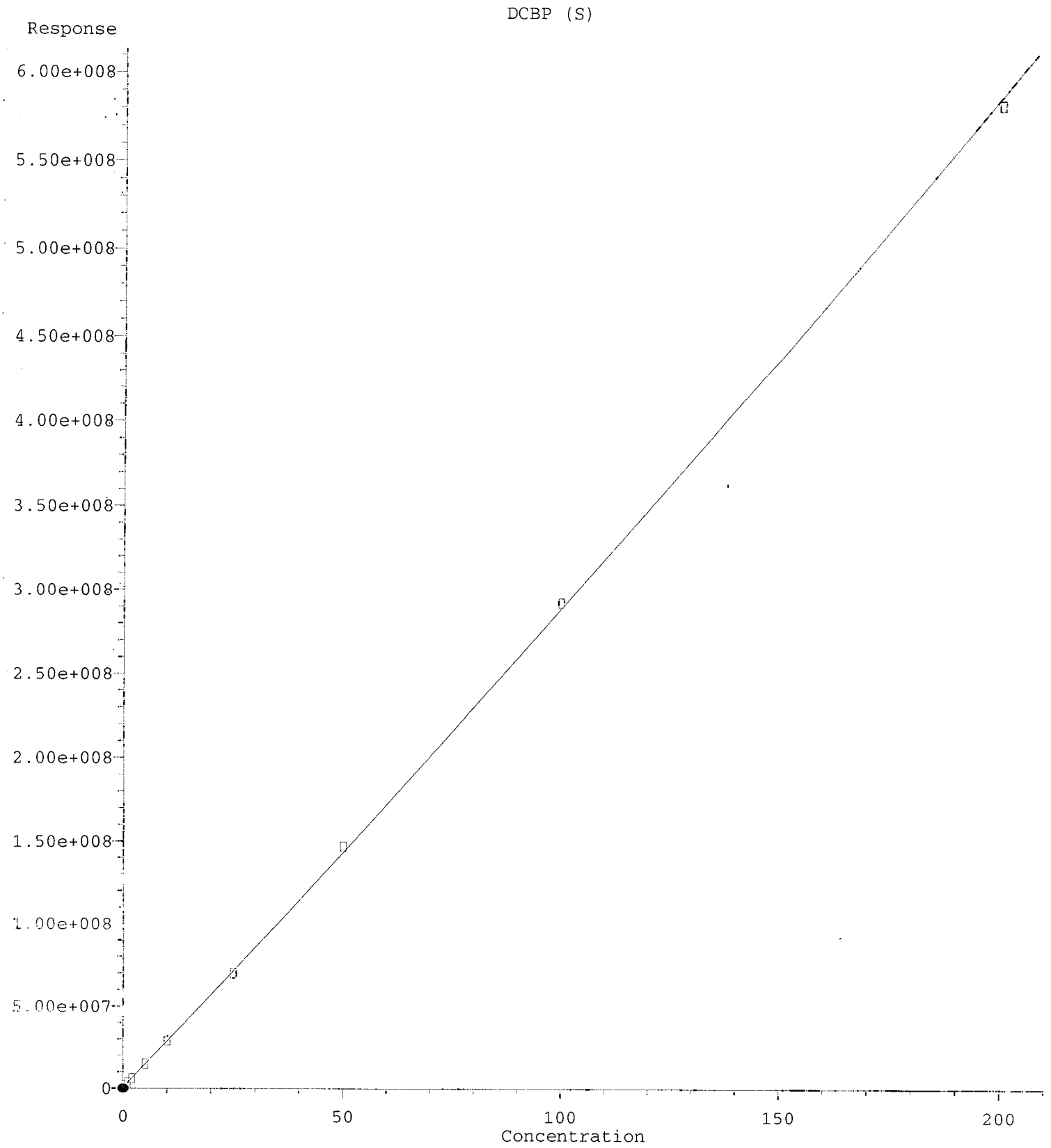
MJB 6/7/20

(20) Methoxychlor #2

9.322min -0.091 ng/mL m

response 78587

(+) = Expected Retention Time

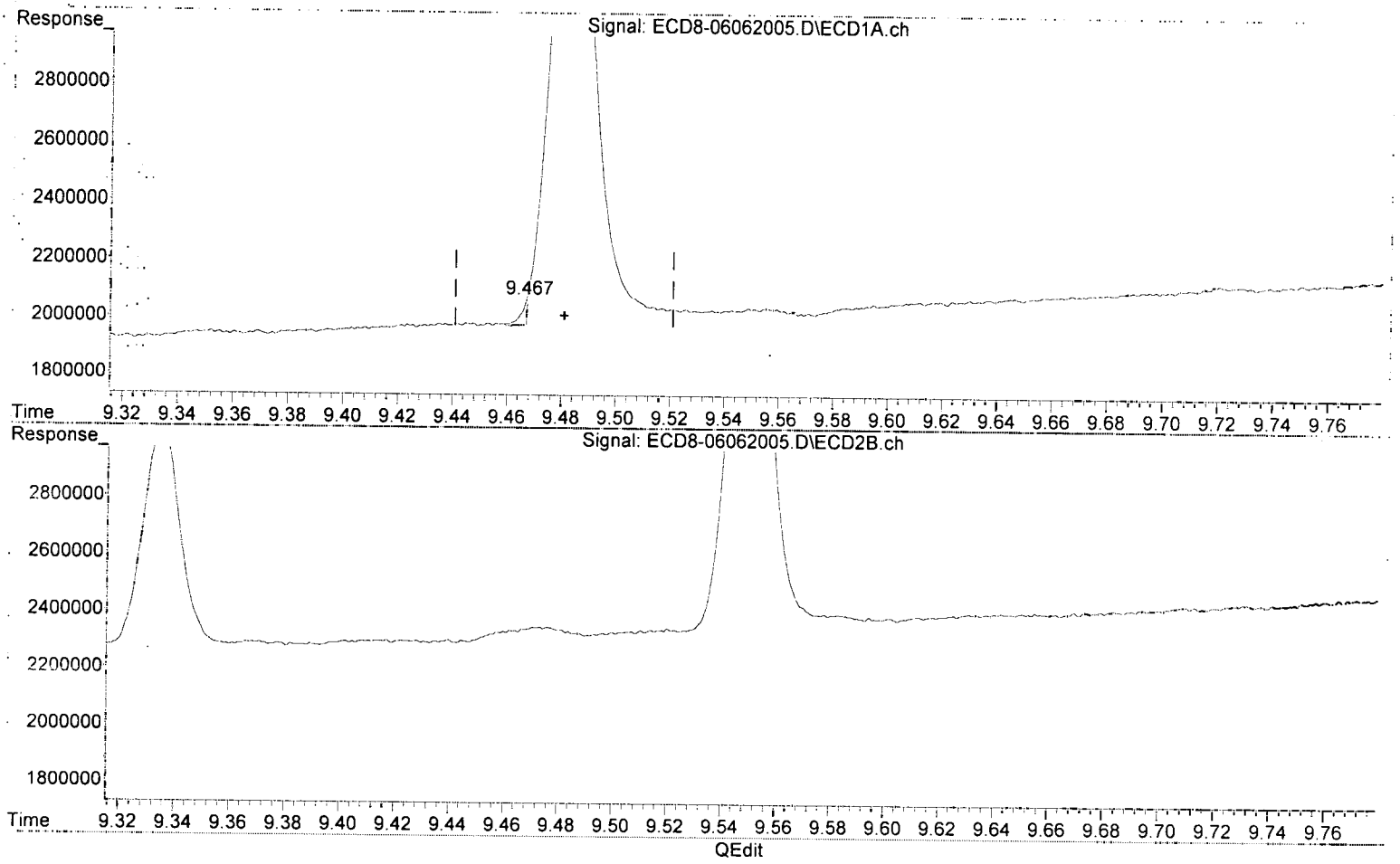


R = 6.12e+002 A*A + 2.82e+006 A + 6.05e+005
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w/ 1/x
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(22) DCBP (S) (S)

9.467min -0.183 ng/mL (m)

response 89510

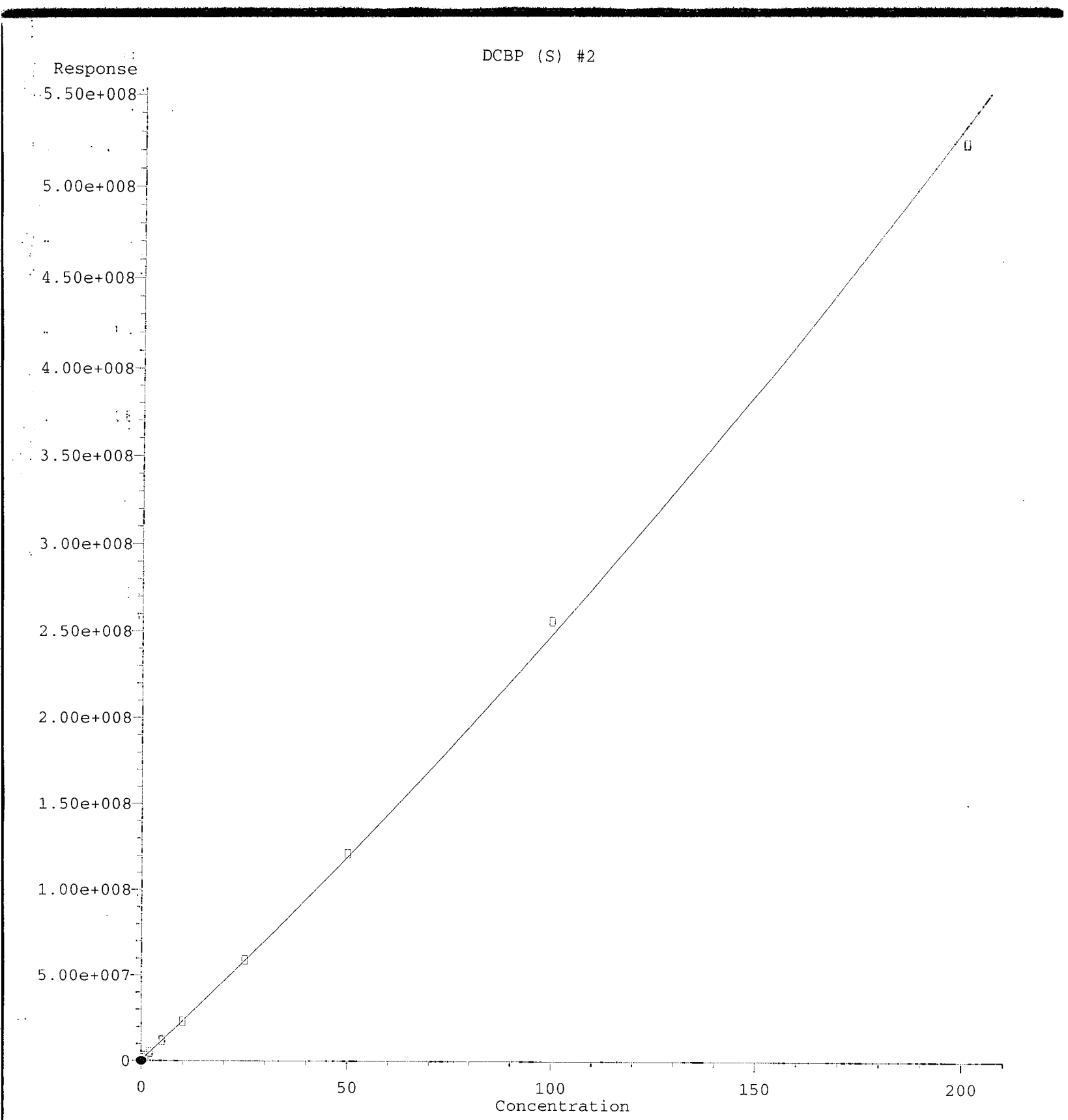
MJB 6/7/20

(22) DCBP (S) #2 (S)

10.396min 0.503 ng/mL

response 1600154

(+) = Expected Retention Time

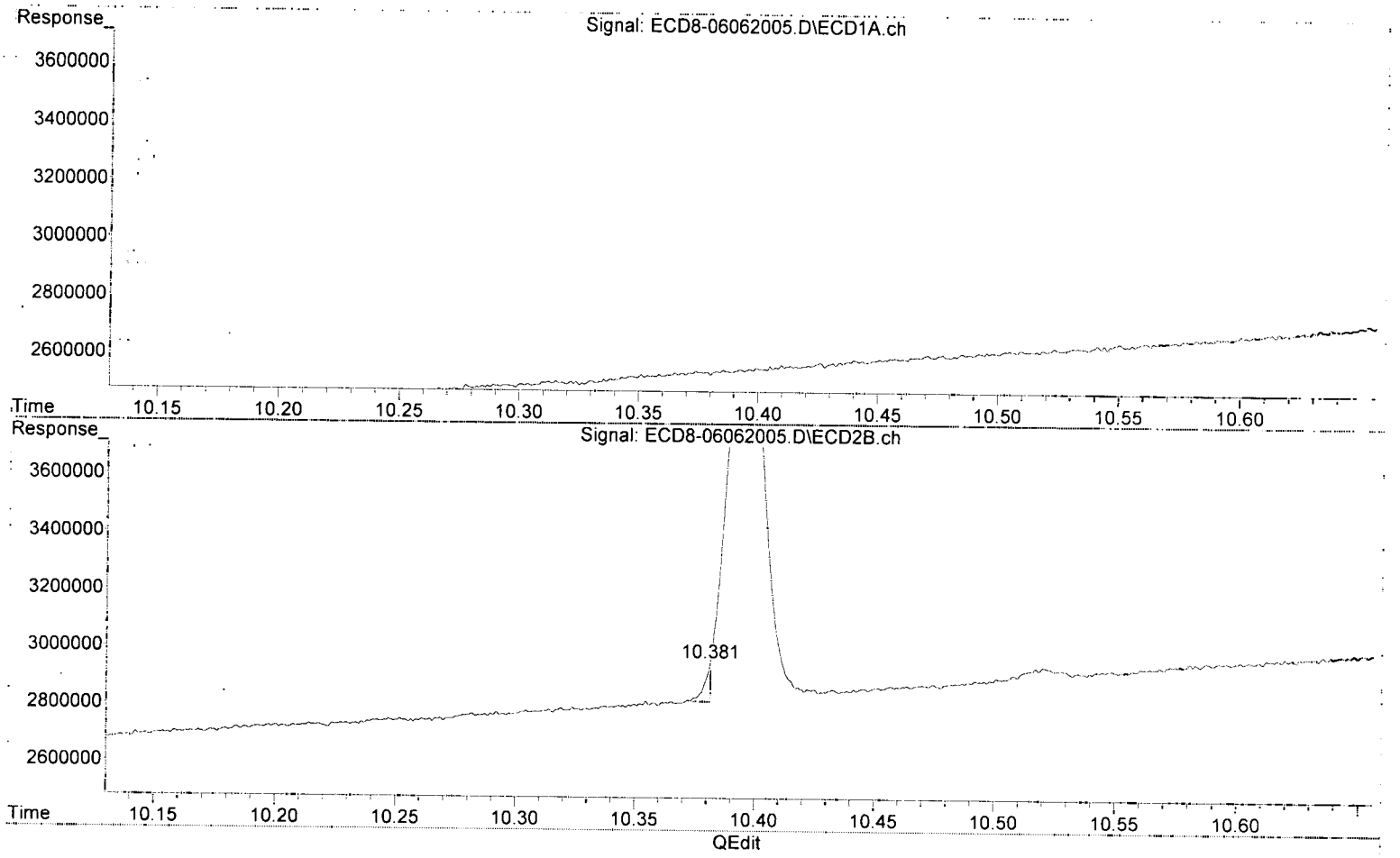


R = 2.05e+003 A*A + 2.27e+006 A + 4.55e+005
Coef of Det (r^2) = 1.000 CurveFit: Quadratic, w (1/x^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(22) DCBP (S) (S)

9.467min -0.183 ng/mL m

response 89510

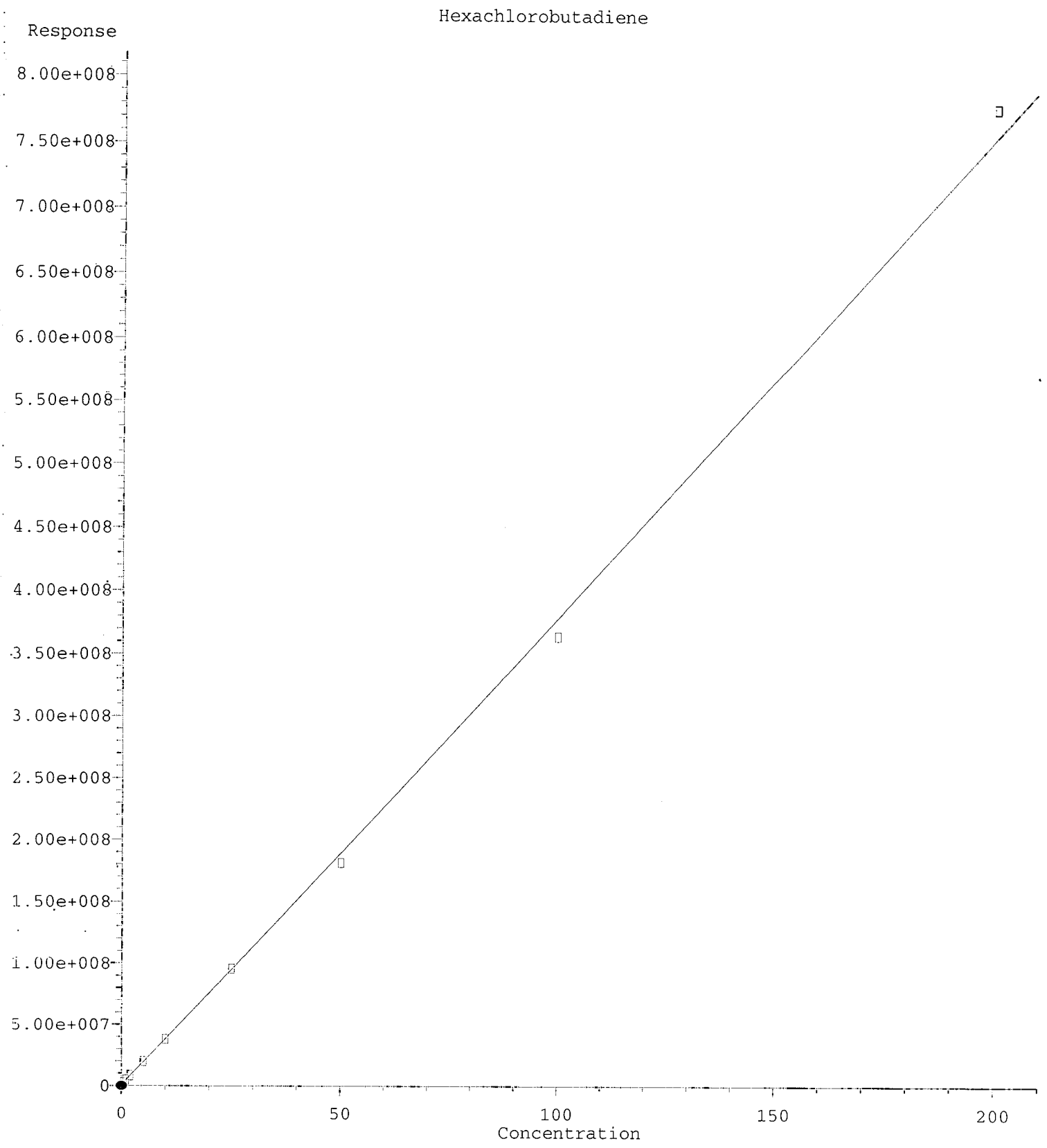
MJB 6/7/20

(22) DCBP (S) #2 (S)

10.381min -0.140 ng/mL m

response 136804

(+) = Expected Retention Time

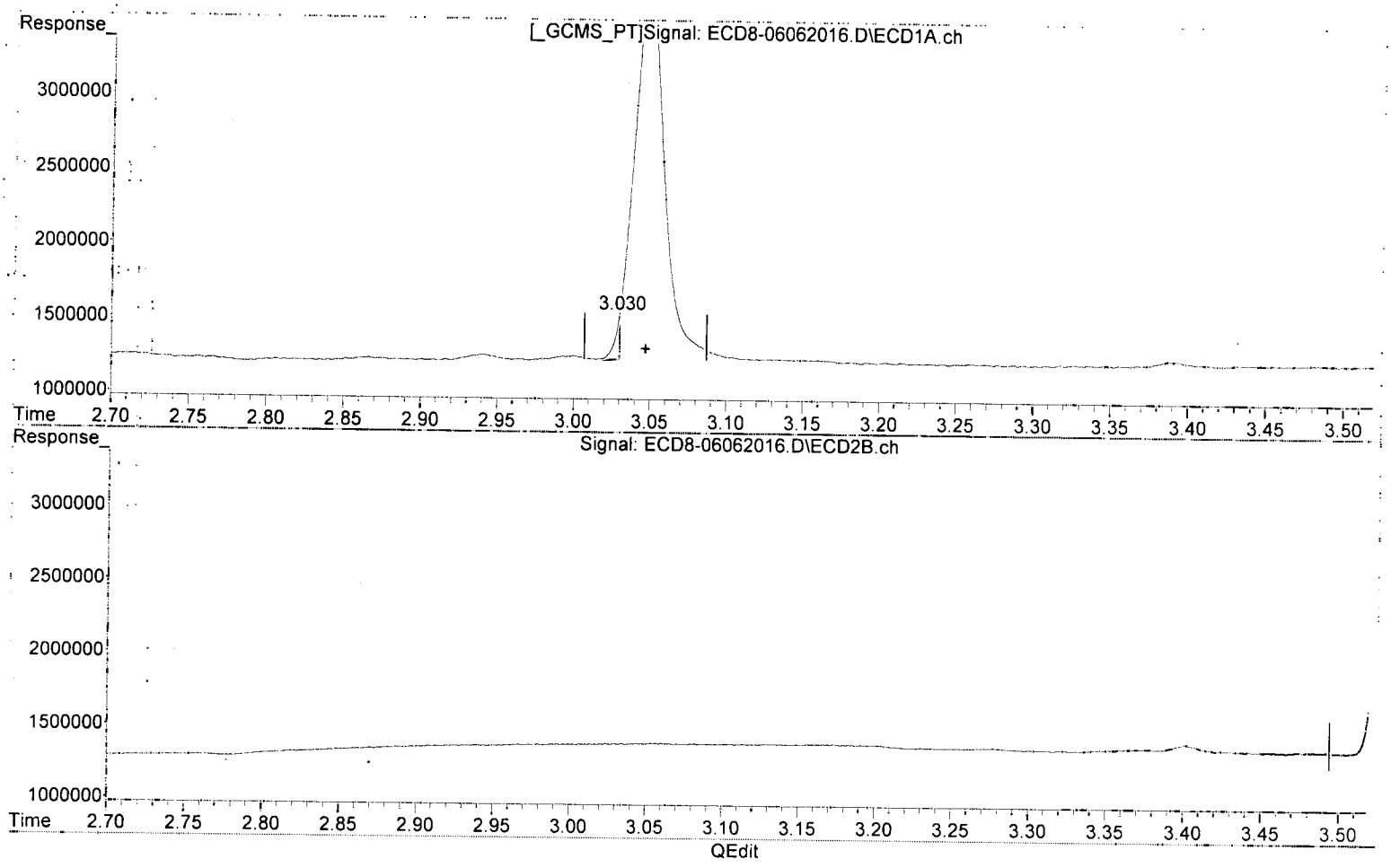


R = 7.92e+001 A*A + 3.76e+006 A + 7.14e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(23) Hexachlorobutadiene

3.030min -0.109 ng/mL (m)

response 303996

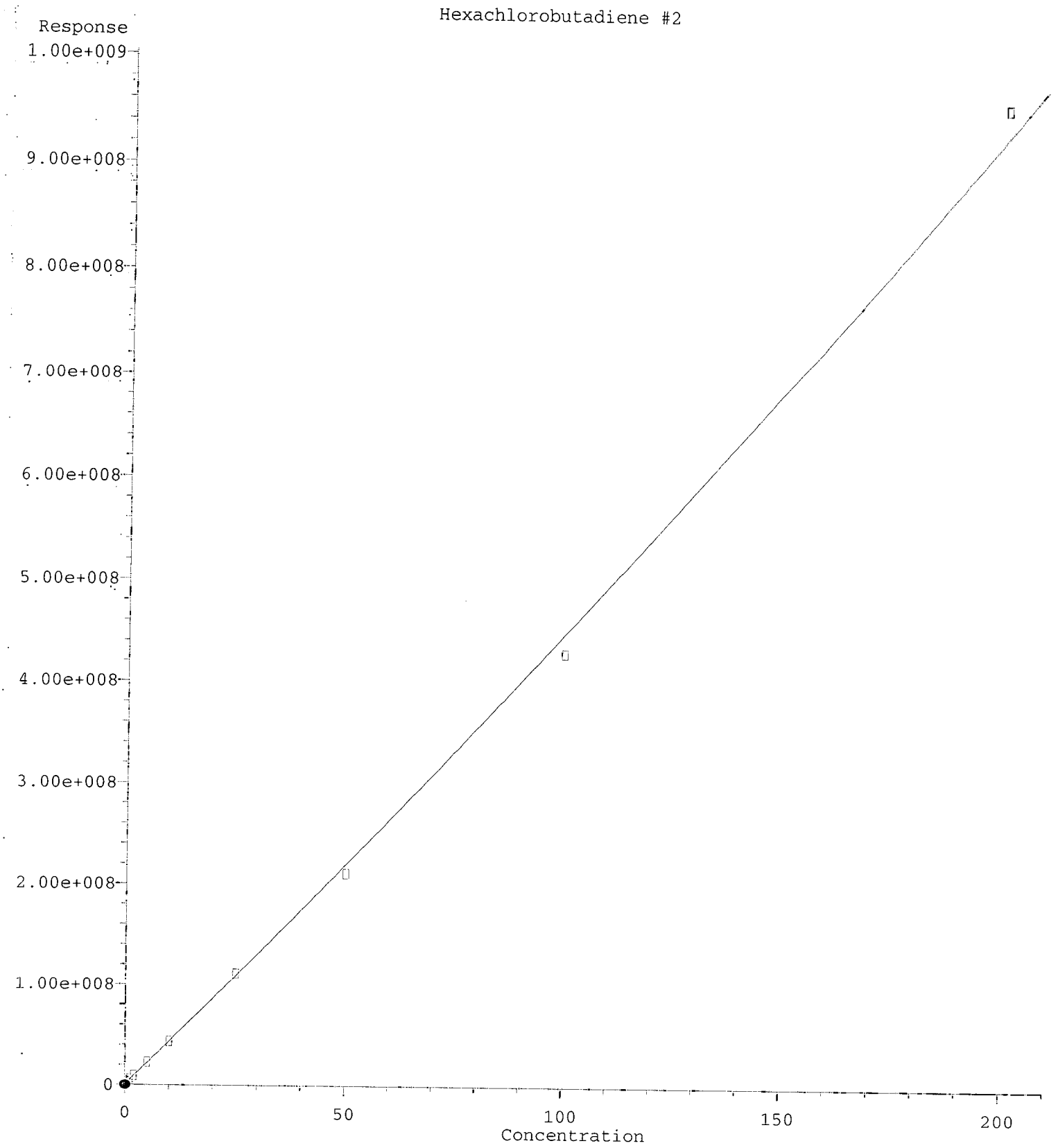
MJB 6/7/20

(23) Hexachlorobutadiene #2

3.534min 0.481 ng/mL

response 2831116

(+) = Expected Retention Time

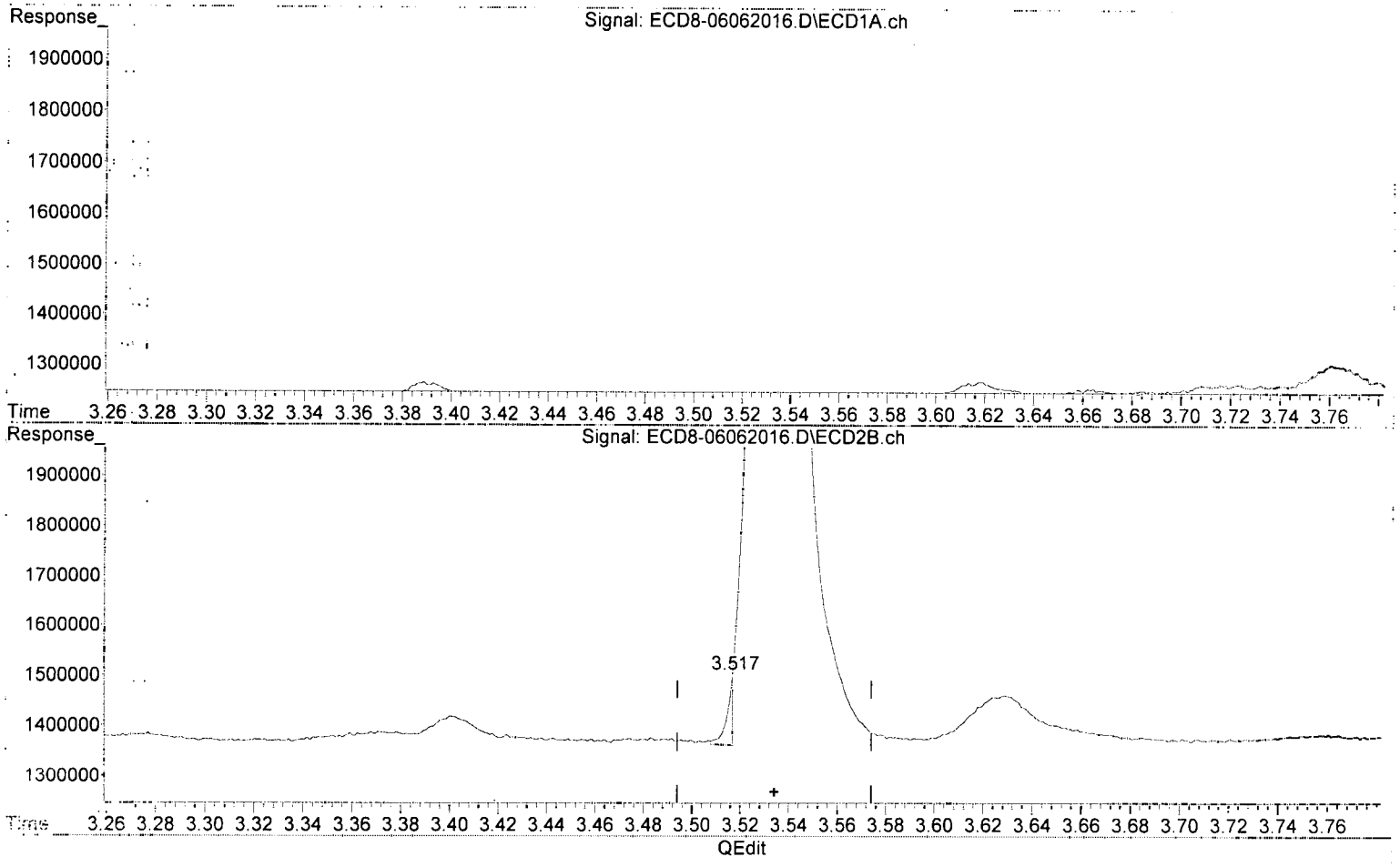


R = 1.82e+003 A*A + 4.29e+006 A + 7.67e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(23) Hexachlorobutadiene

3.030min -0.109 ng/mL m

response 303996

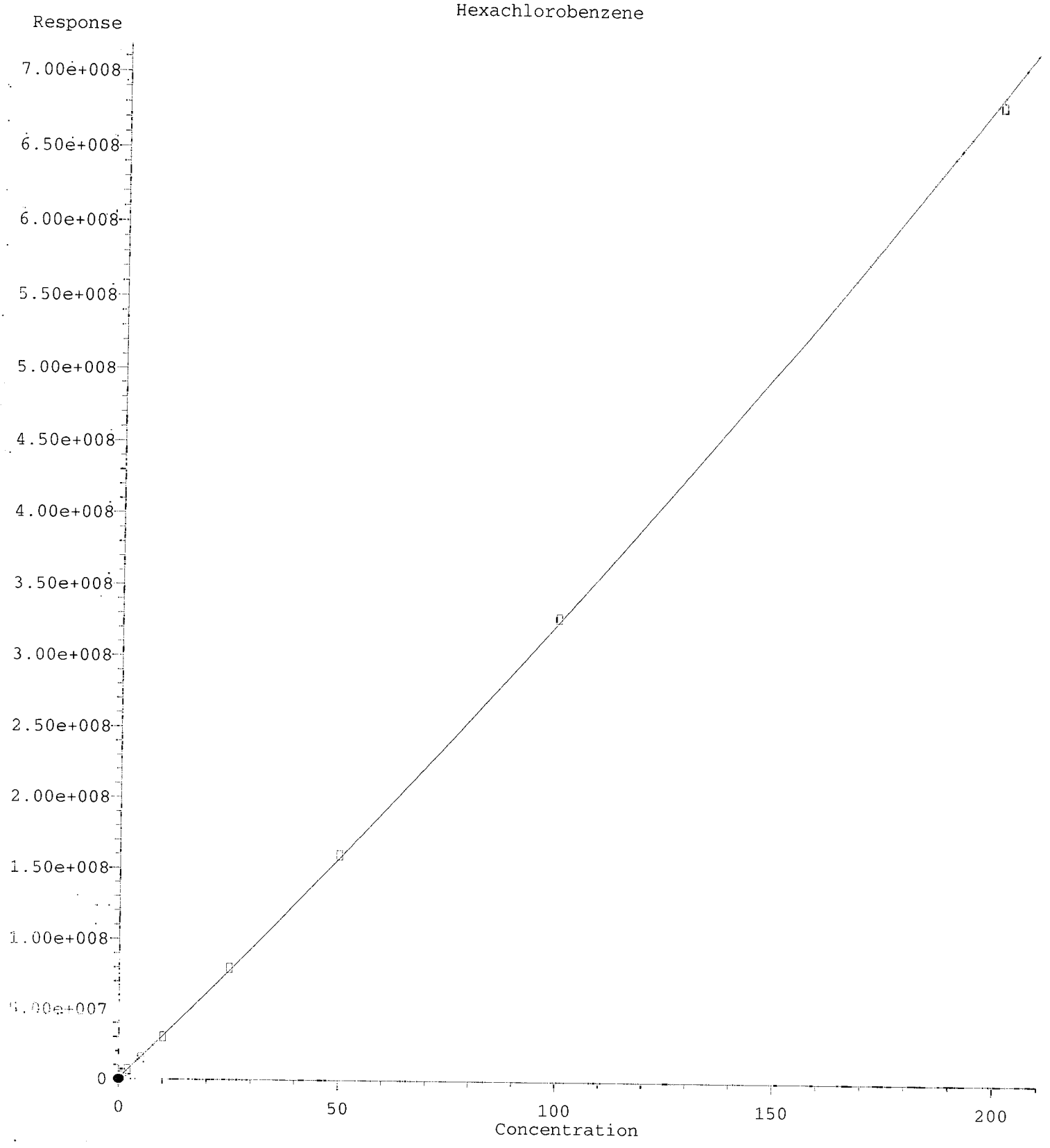
MJB 8/7/20

(23) Hexachlorobutadiene #2

3.517min -0.146 ng/mL (m)

response 142557

(+) = Expected Retention Time

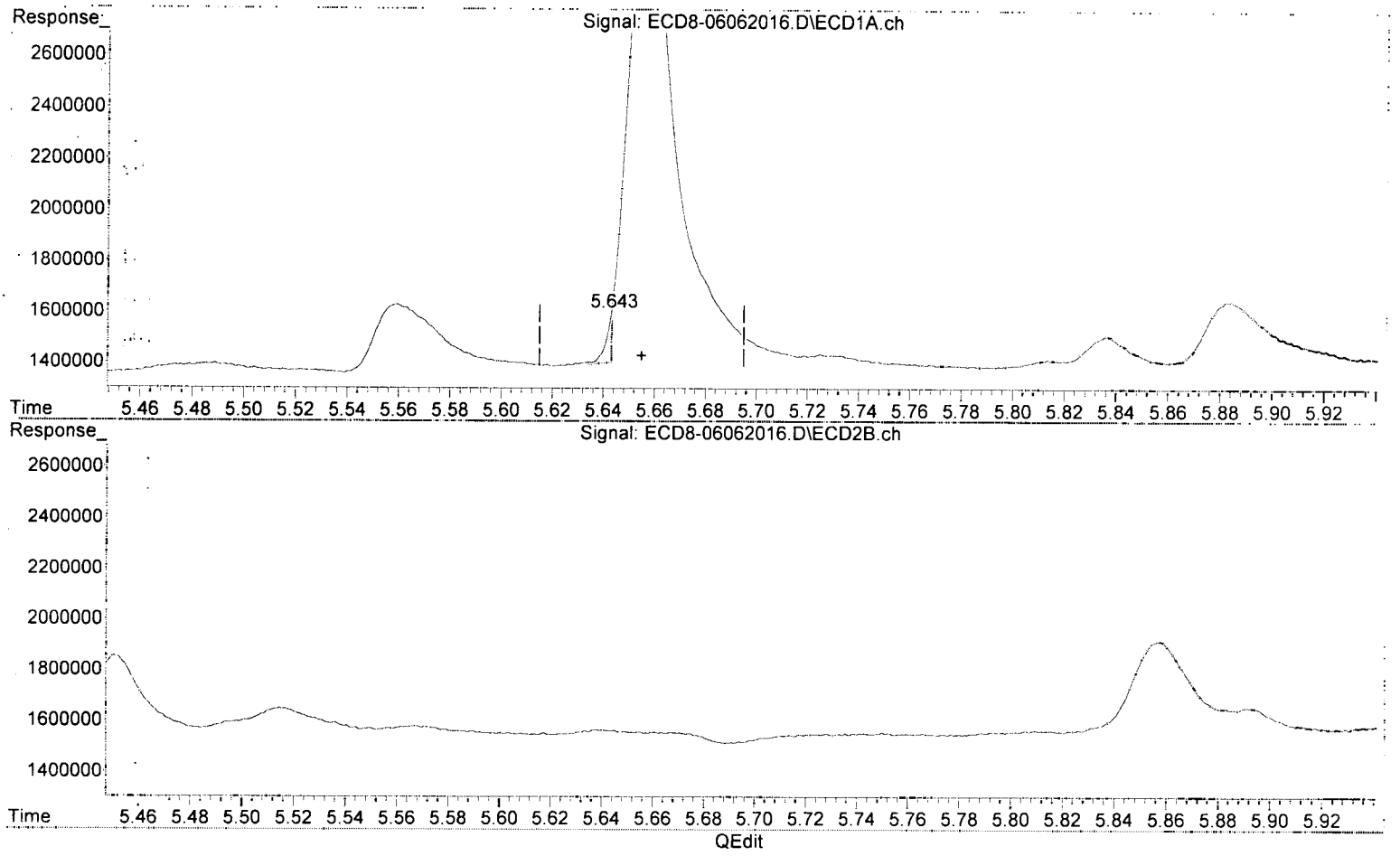


R = 2.01e+003 A*A + 3.04e+006 A + 5.84e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quad, Origin: Ignored
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:30 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(24) Hexachlorobenzene

5.643min -0.127 ng/mL (m)

response 197862

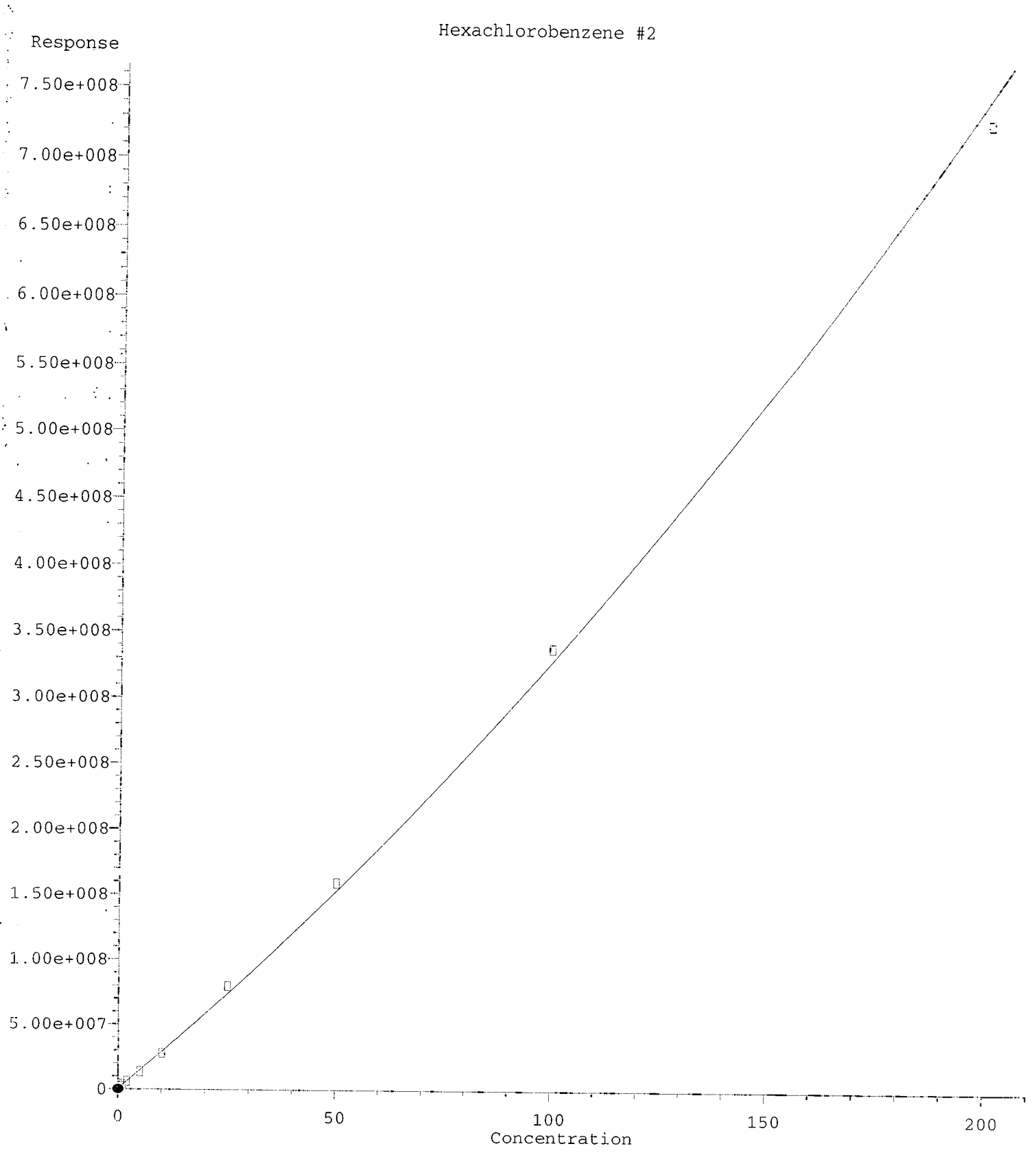
MJB 6/7/20.

(24) Hexachlorobenzene #2

6.315min 0.498 ng/mL

response 1957618

(+) = Expected Retention Time

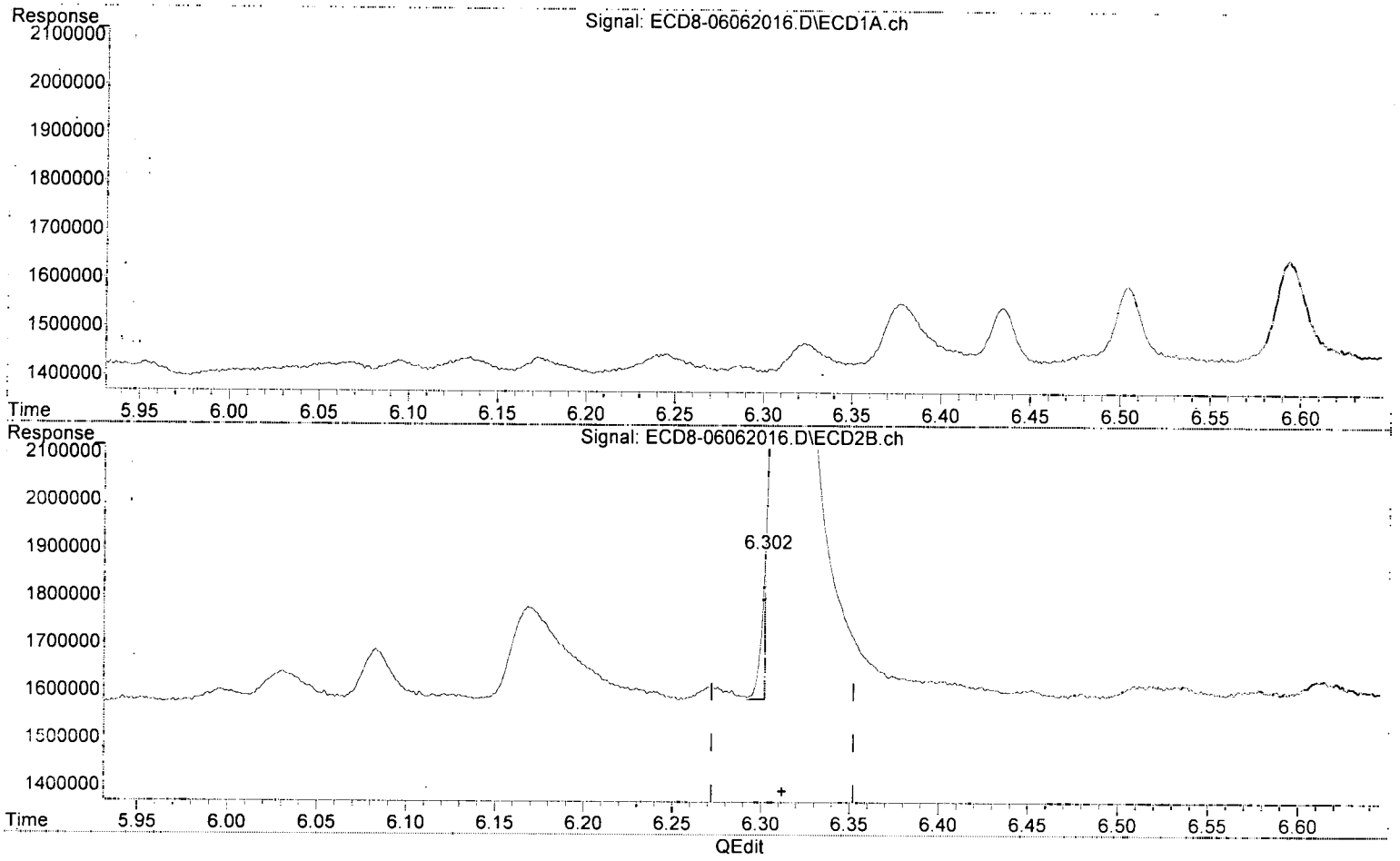


R = 4.63e+003 A*A + 2.82e+006 A + 5.54e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic, 1/(x^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(24) Hexachlorobenzene

5.643min -0.127 ng/mL m

response 197862

MJB 6/7/20

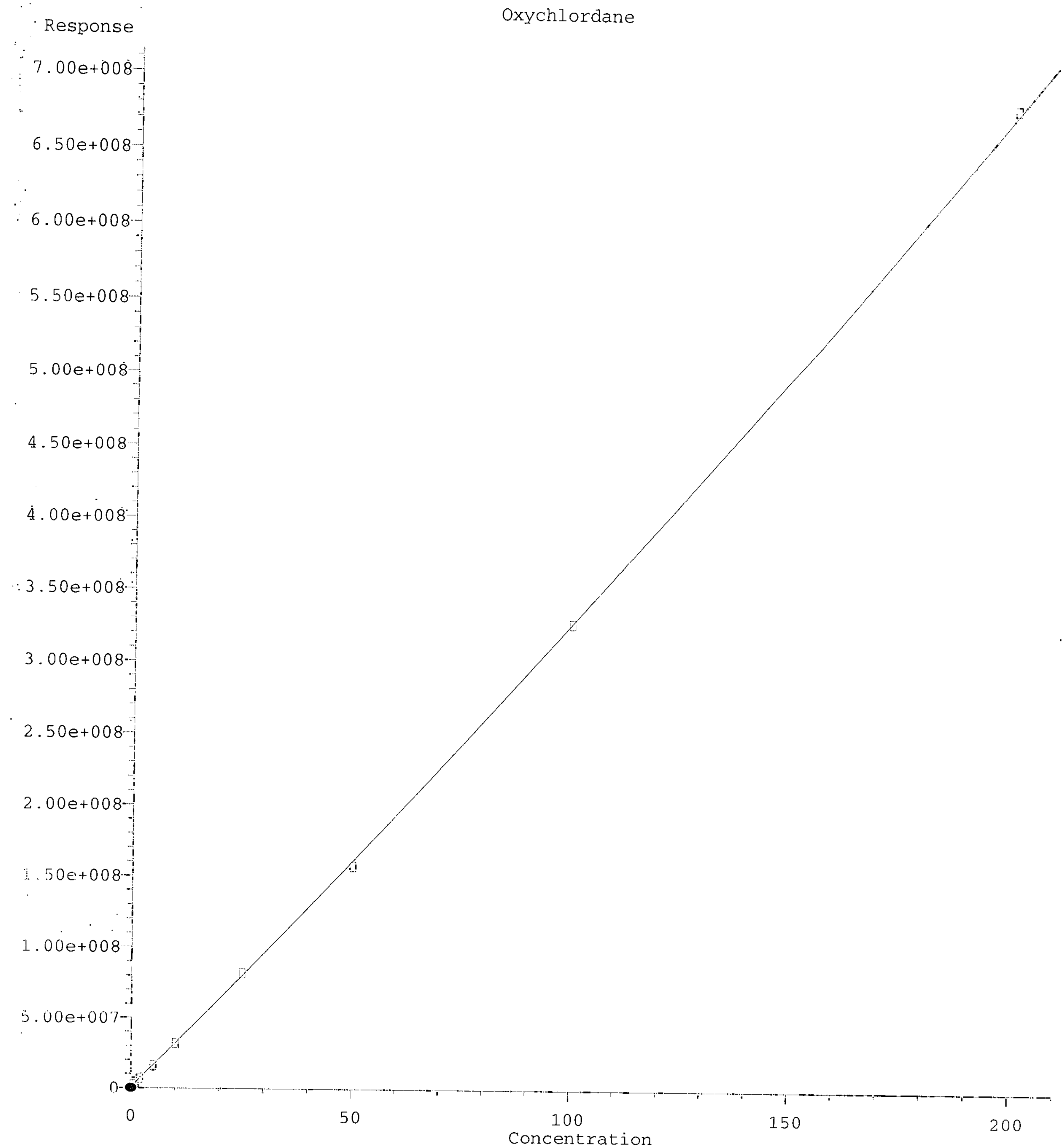
(24) Hexachlorobenzene #2

6.302min -0.087 ng/mL m

response 307899

(+) = Expected Retention Time

ECD8_QUANTPEST_200606.M Sun Jun 07 15:28:22 2020 Page: 1

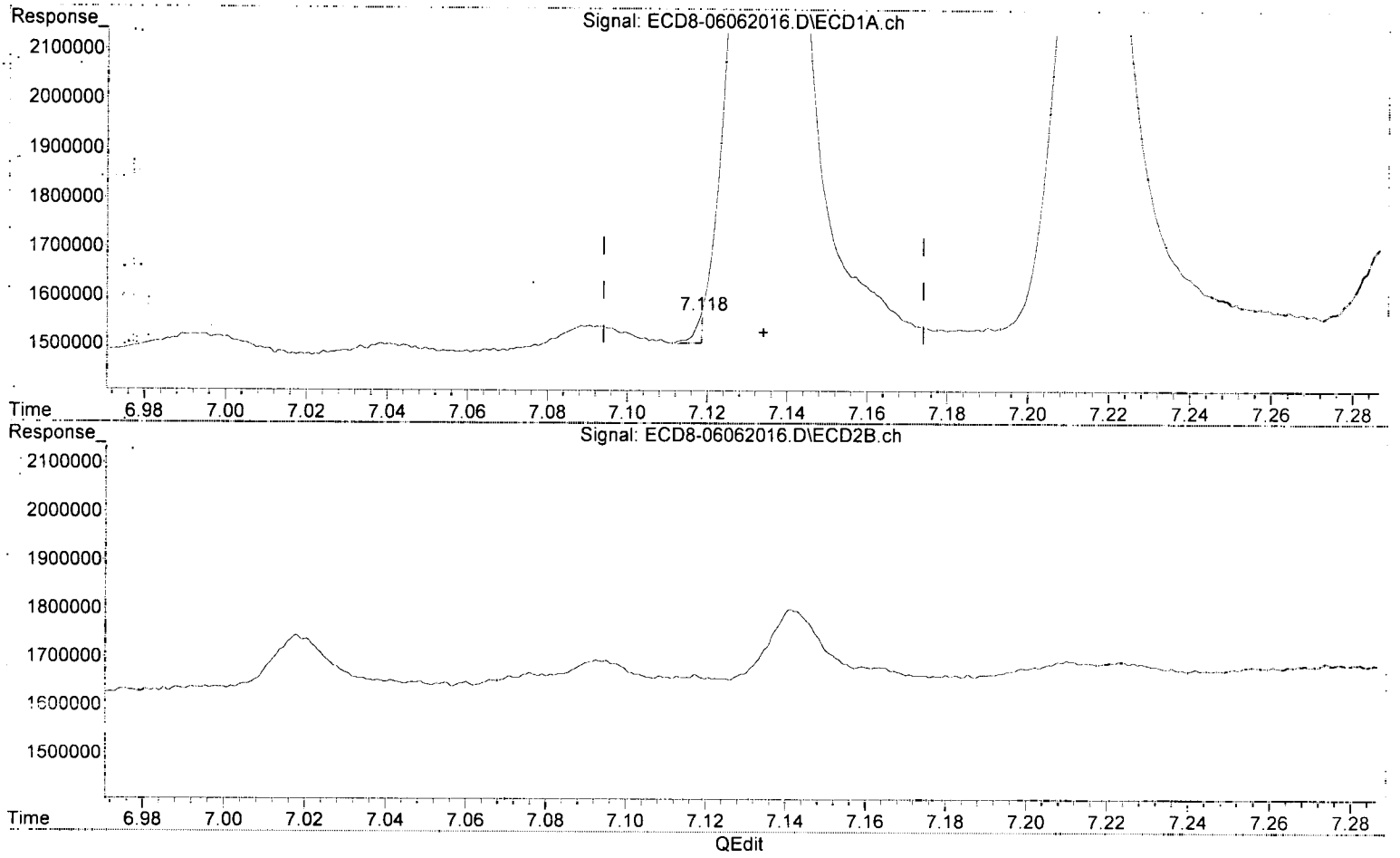


R = 1.17e+003 A*A + 3.15e+006 A + 6.15e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quad
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(25) Oxychlordane

7.118min -0.176 ng/mL m

response 58958

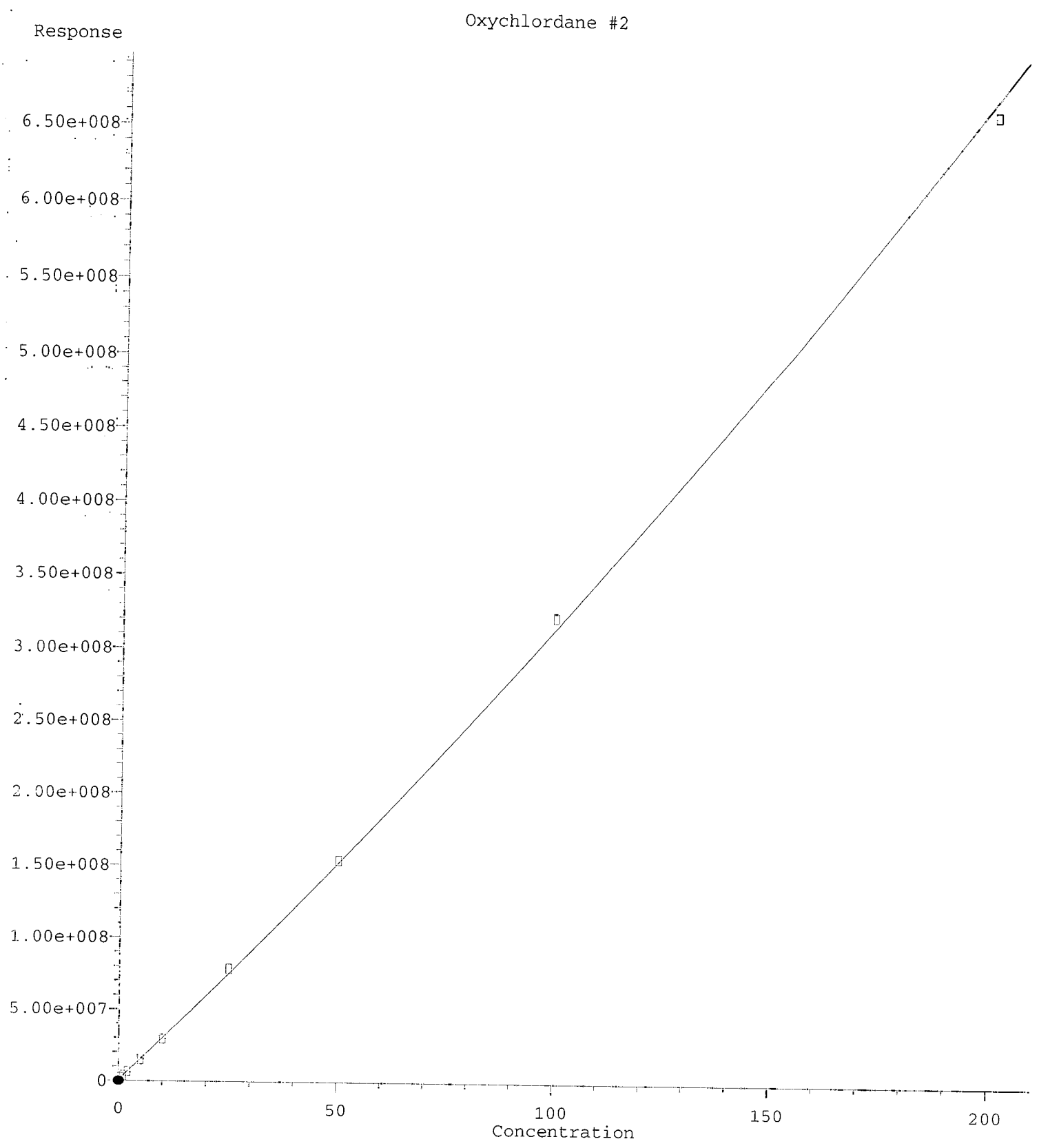
MJB 6/7/20

(25) Oxychlordane #2

7.775min 0.495 ng/mL

response 2077896

(+) = Expected Retention Time

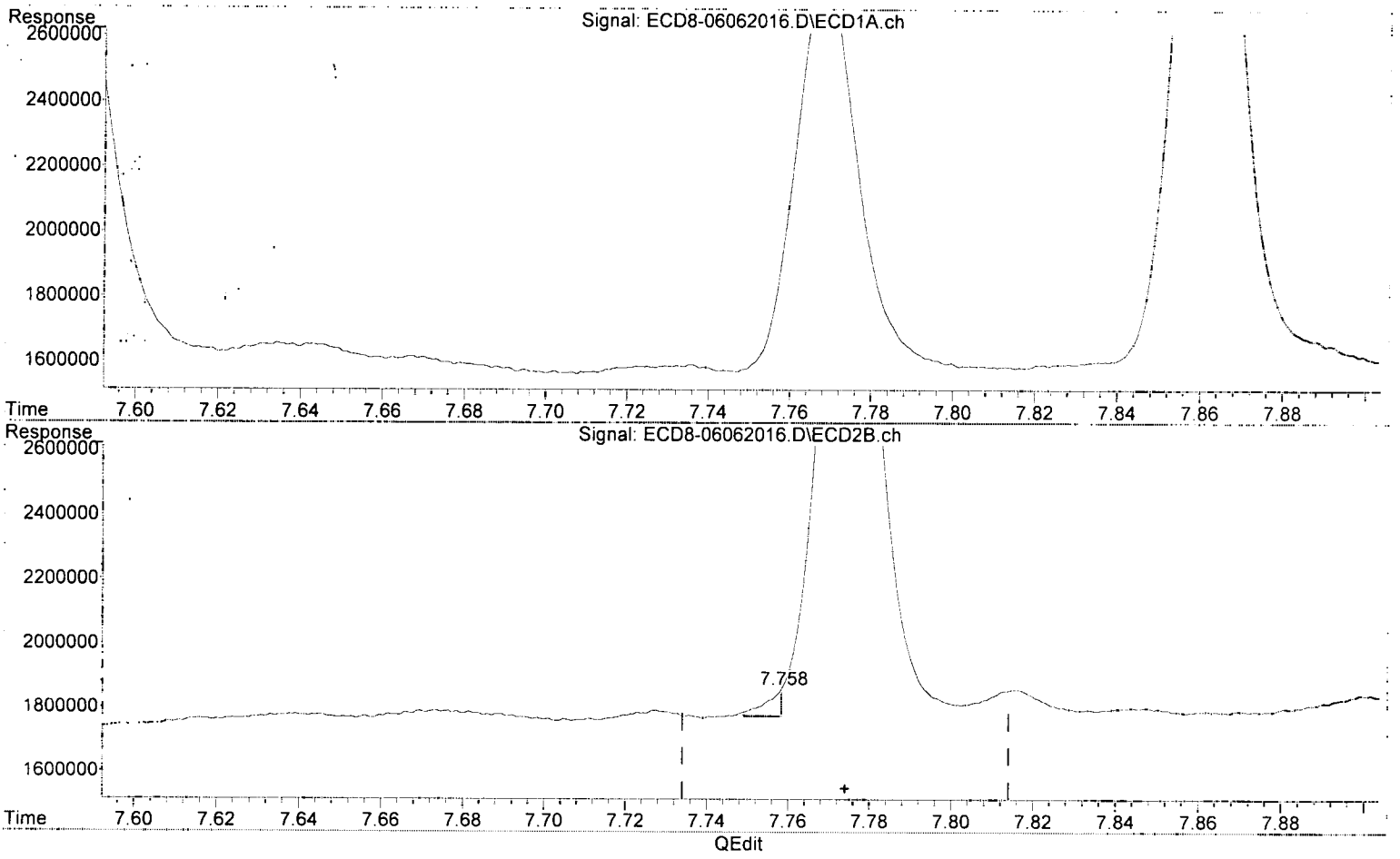


R = 2.20e+003 A*A + 2.92e+006 A + 6.31e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w/ 1/a^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(25) Oxychlordane

7.118min -0.176 ng/mL m

response 58958

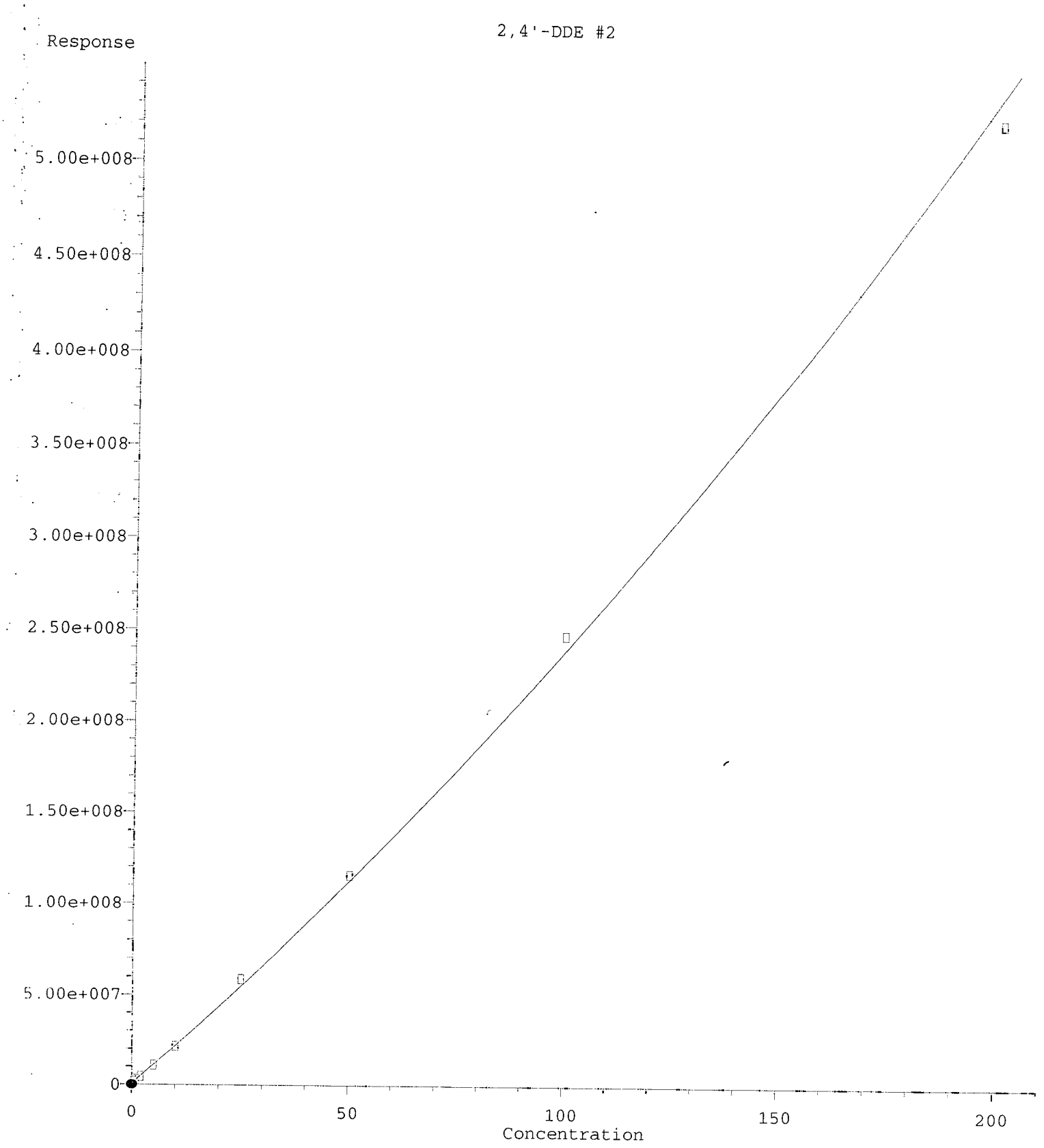
MJB 6/17/2.

(25) Oxychlordane #2

7.758min -0.187 ng/mL m

response 84787

(+) = Expected Retention Time

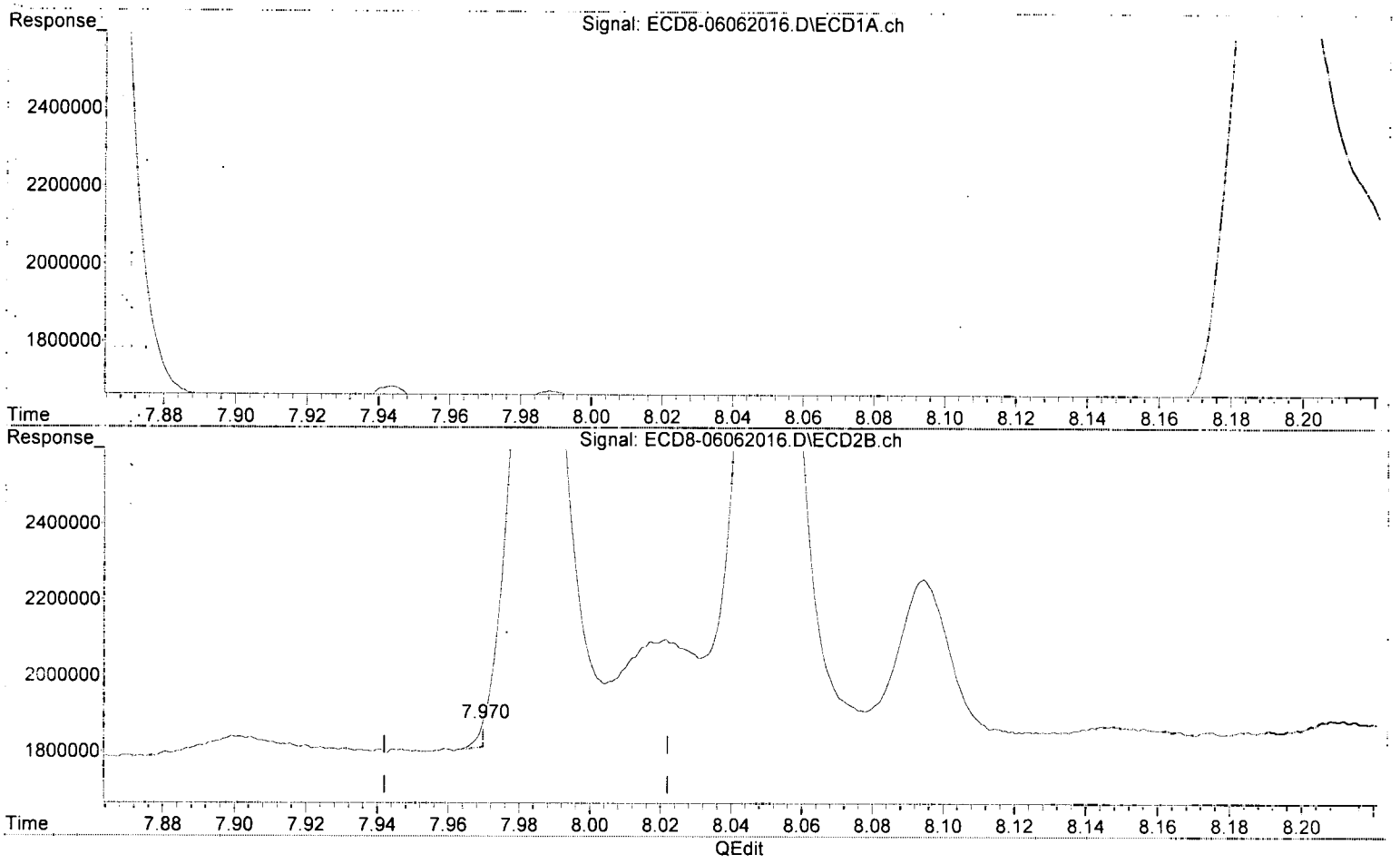


R = 2.98e+003 A*A + 2.09e+006 A + 5.28e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic, 1/C^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:08 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE

7.216min 0.606 ng/mL

response 1450647

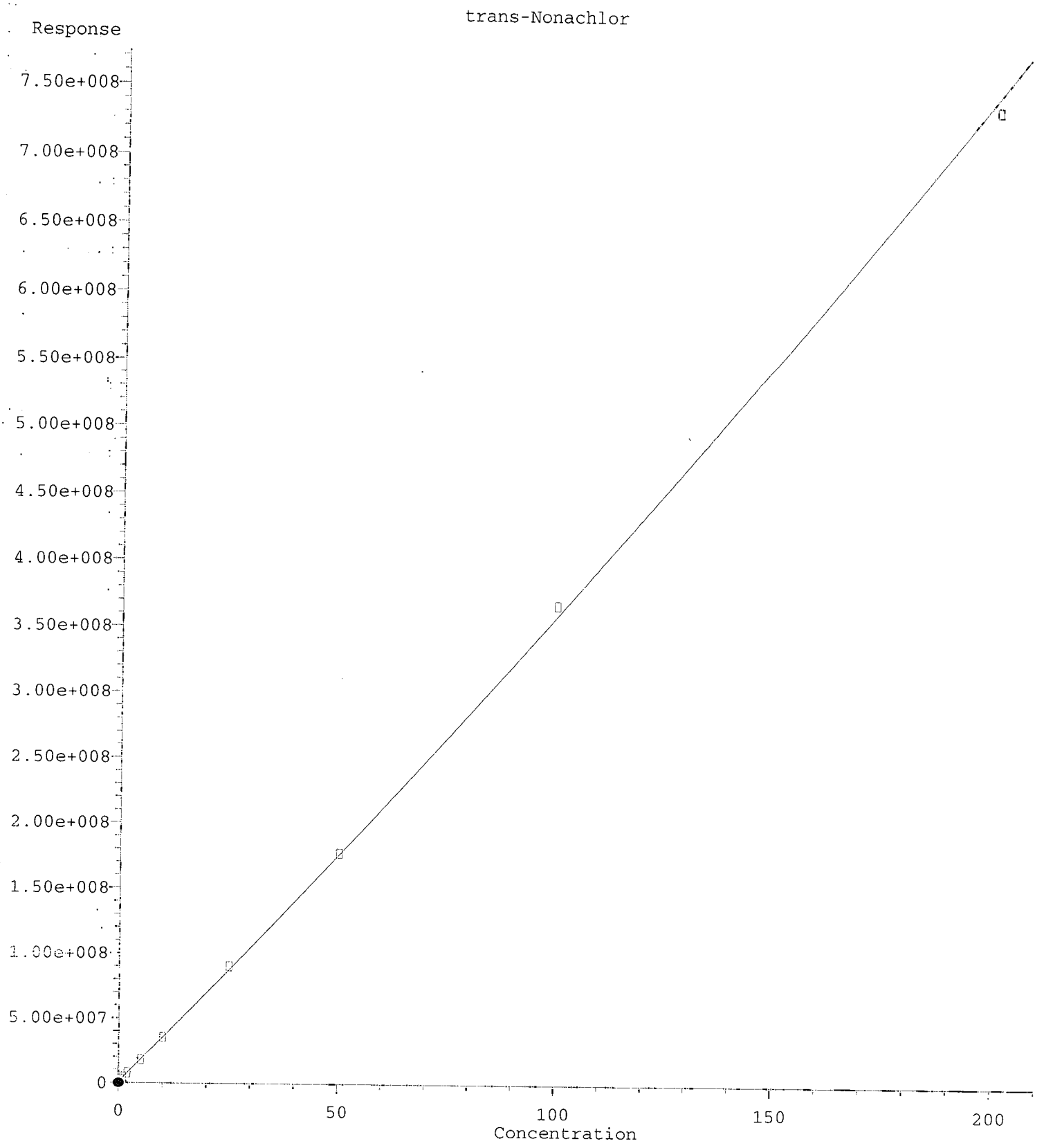
MJB 6/7/20

(26) 2,4'-DDE #2

7.970min -0.222 ng/mL (m)

response 63874

(+) = Expected Retention Time

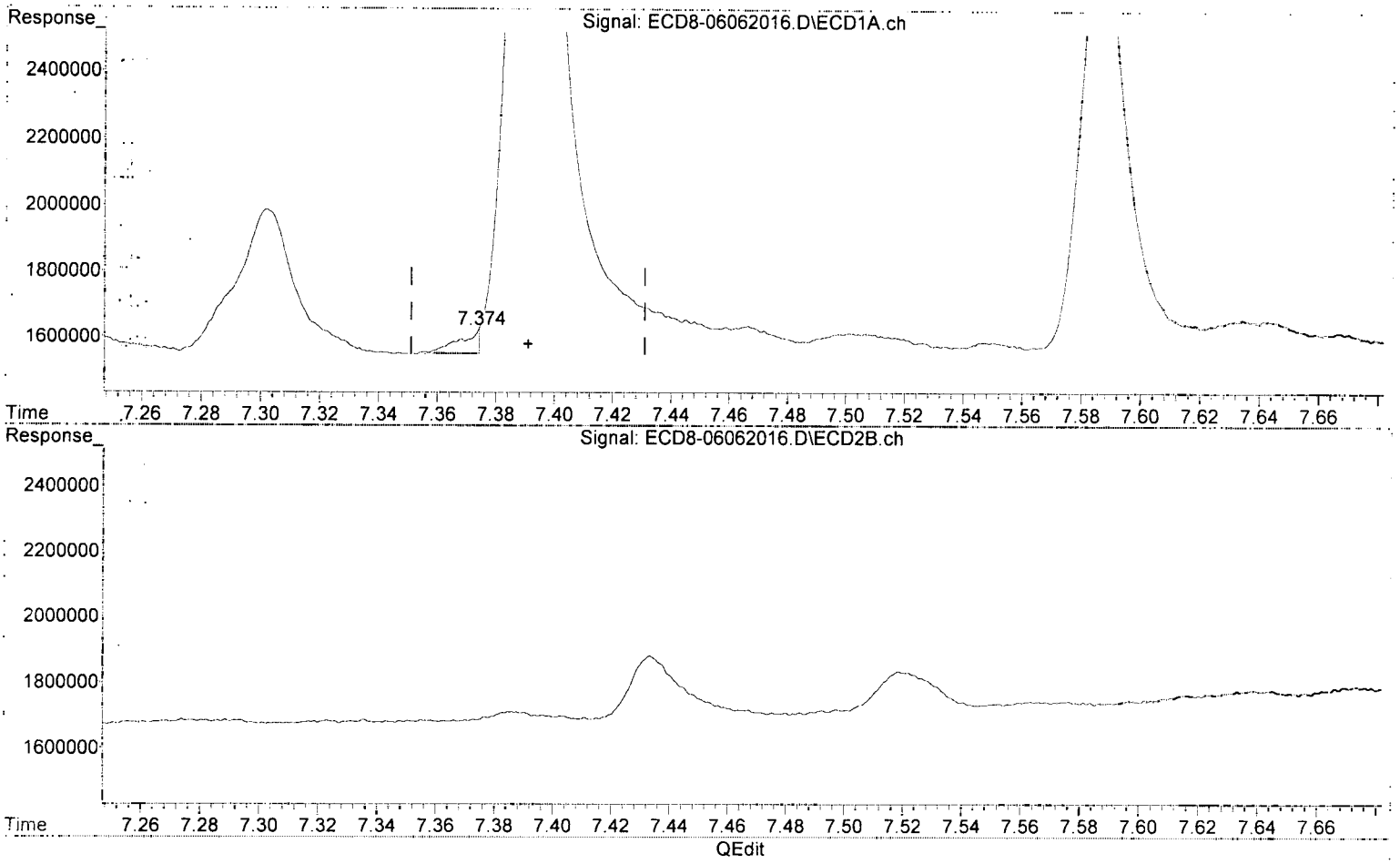


R = 1.55e+003 A*A + 3.42e+006 A + 9.84e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic (1/x) ^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:00 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(27) trans-Nonachlor

7.374min -0.266 ng/mL (m)

response 74884

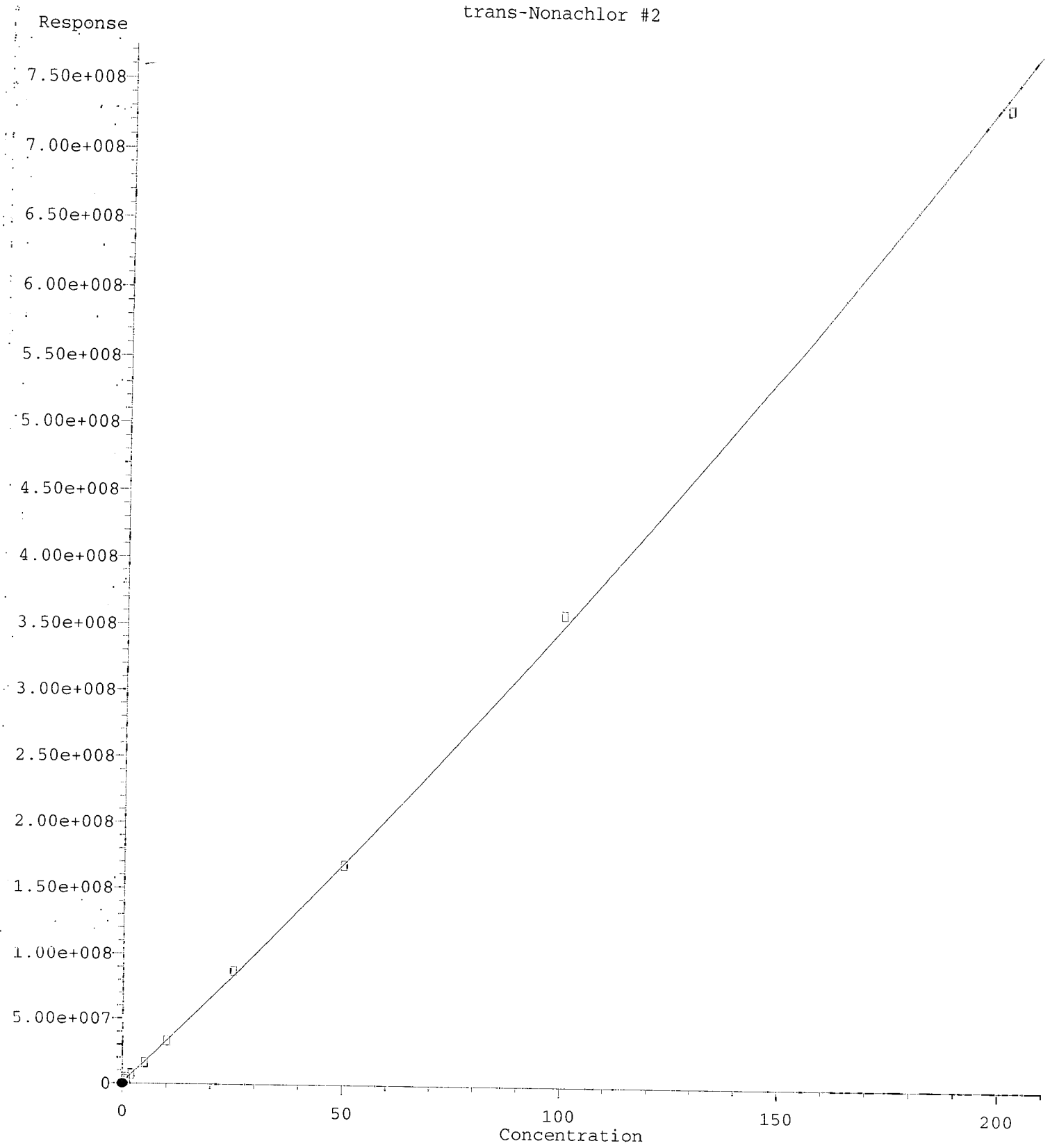
MJB 6/7/20

(27) trans-Nonachlor #2

8.050min 0.498 ng/mL

response 2454721

(+) = Expected Retention Time

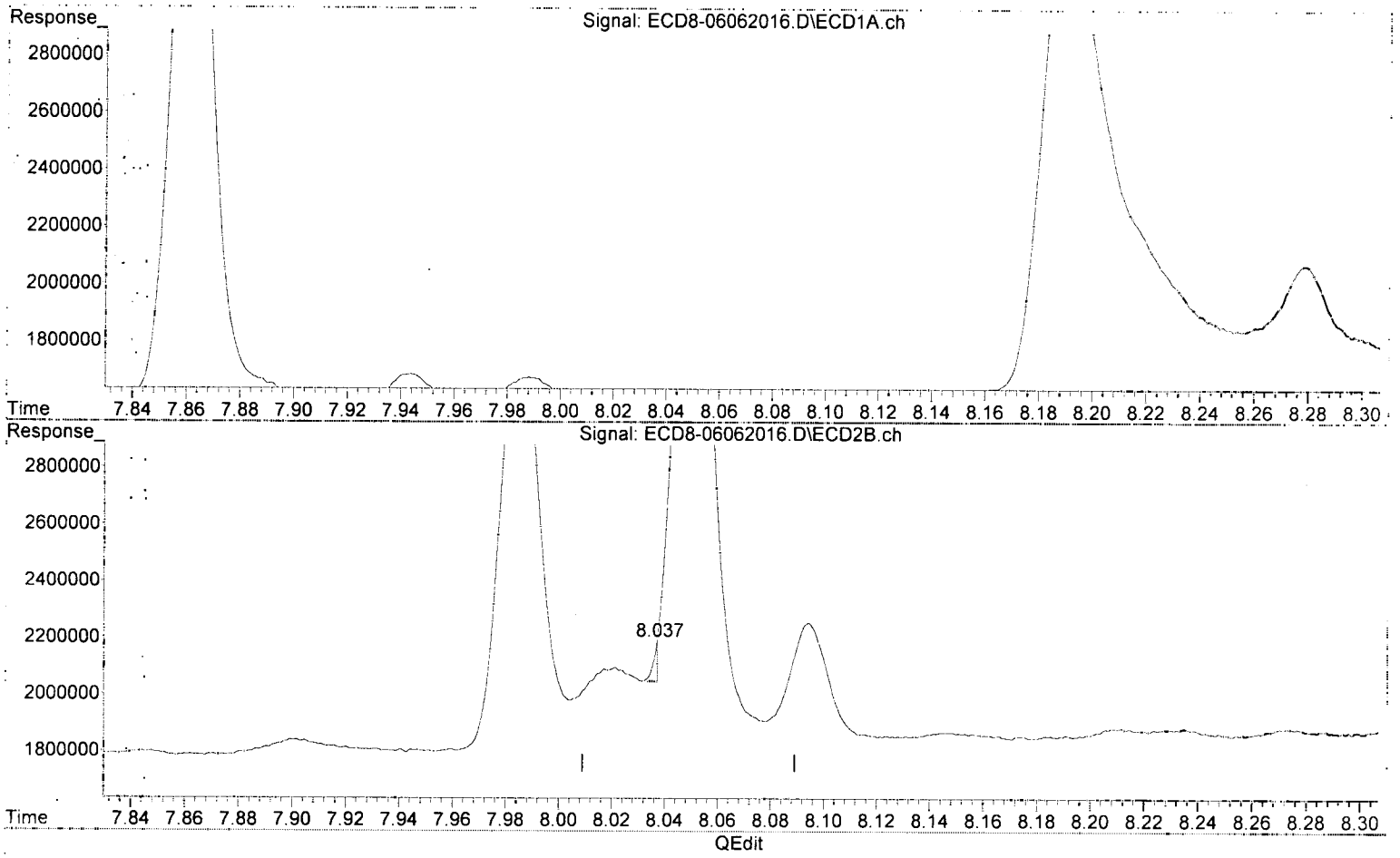


R = 2.41e+003 A*A + 3.25e+006 A + 8.34e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(27) trans-Nonachlor

7.374min -0.266 ng/mL m

response 74884

MJB 6/17/20

(27) trans-Nonachlor #2

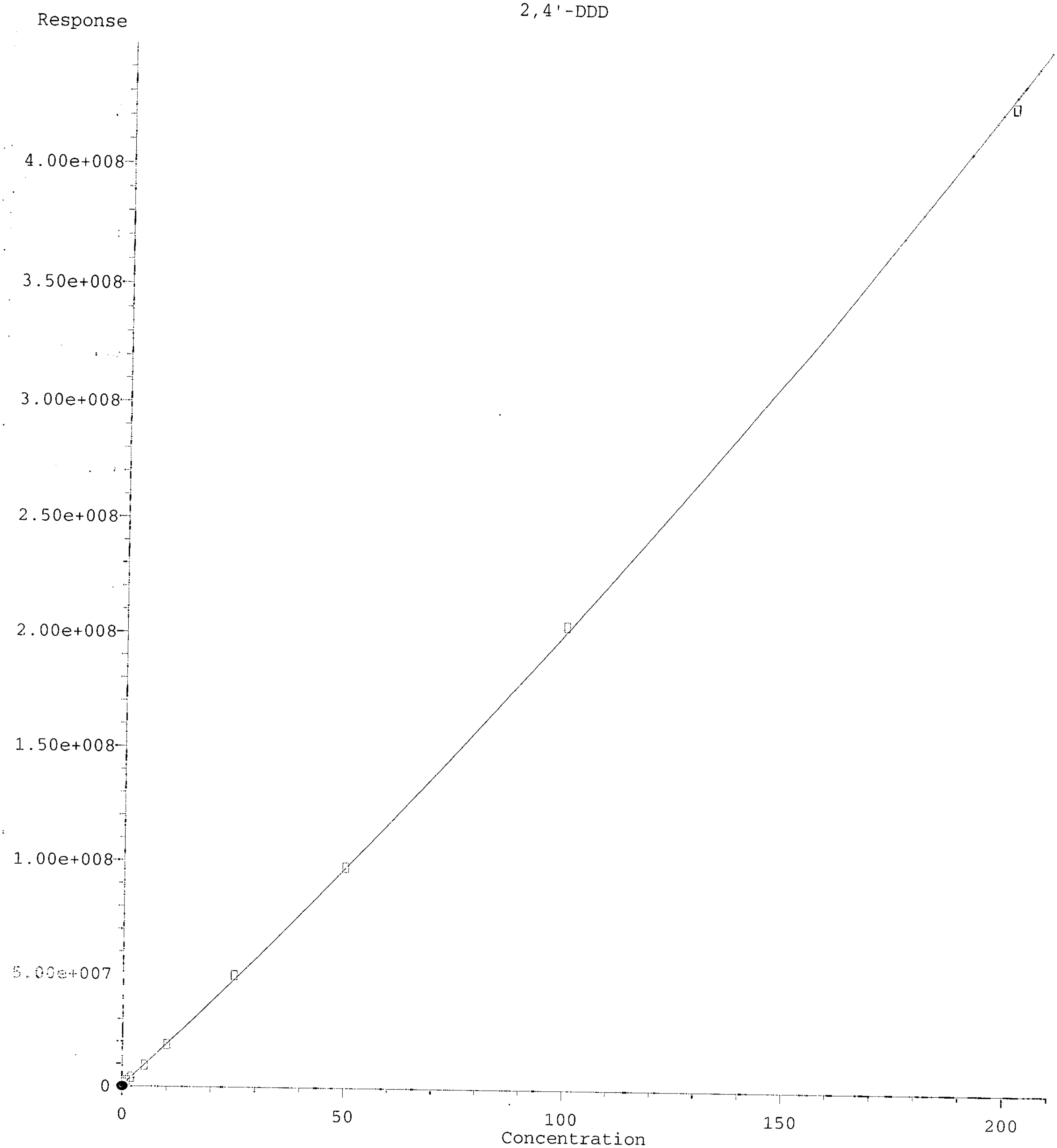
8.037min -0.213 ng/mL (m)

response 141706

(+) = Expected Retention Time

ECD8_QUANTPEST_200606.M Sun Jun 07 15:29:02 2020 Page: 1

2,4'-DDD

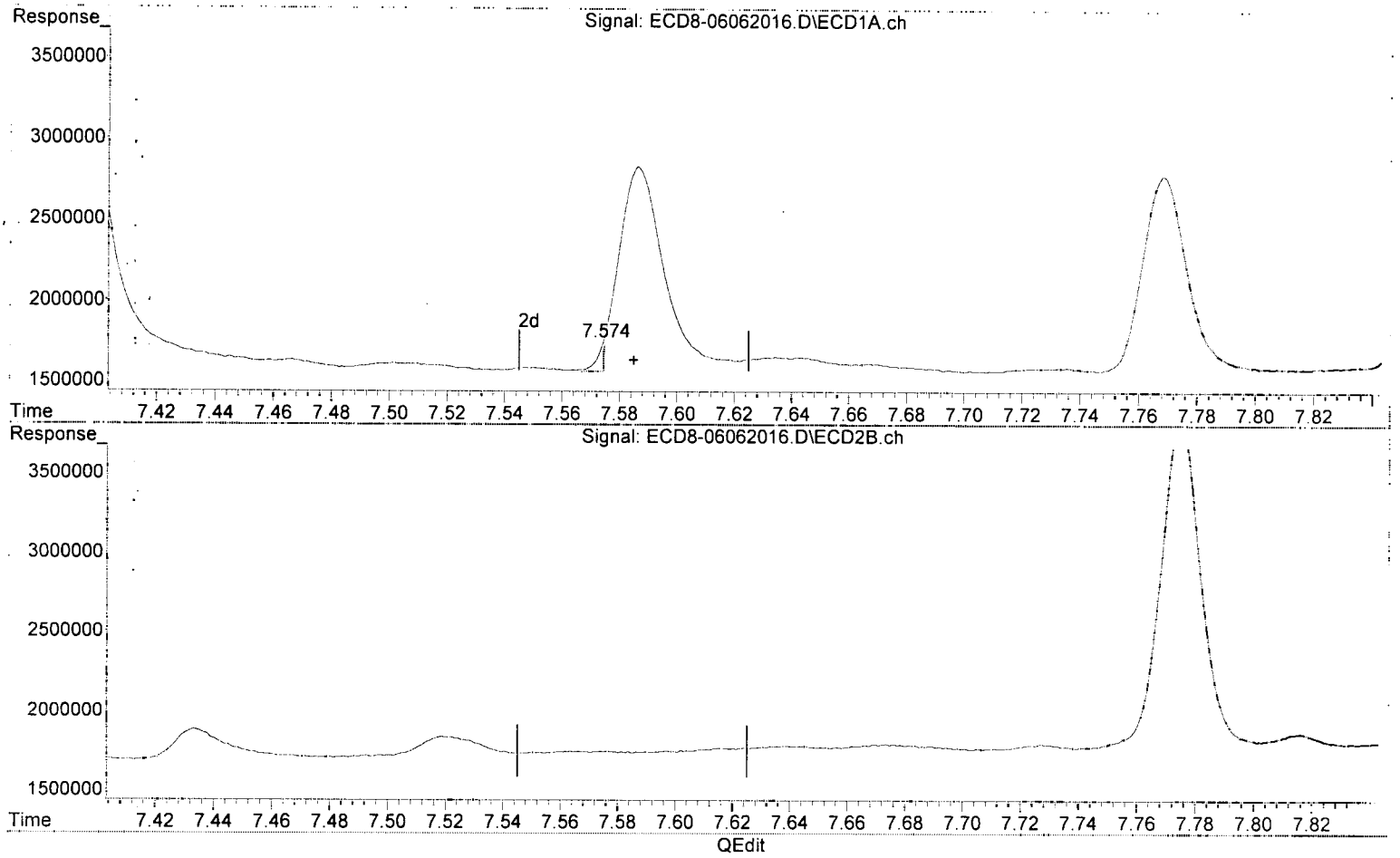


R = 1.51e+003 A*A + 1.86e+006 A + 3.75e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic (1/x^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:30 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD

7.574min -0.101 ng/mL (m)

response 186338

MJB 6/7/20

(28) 2,4'-DDD #2

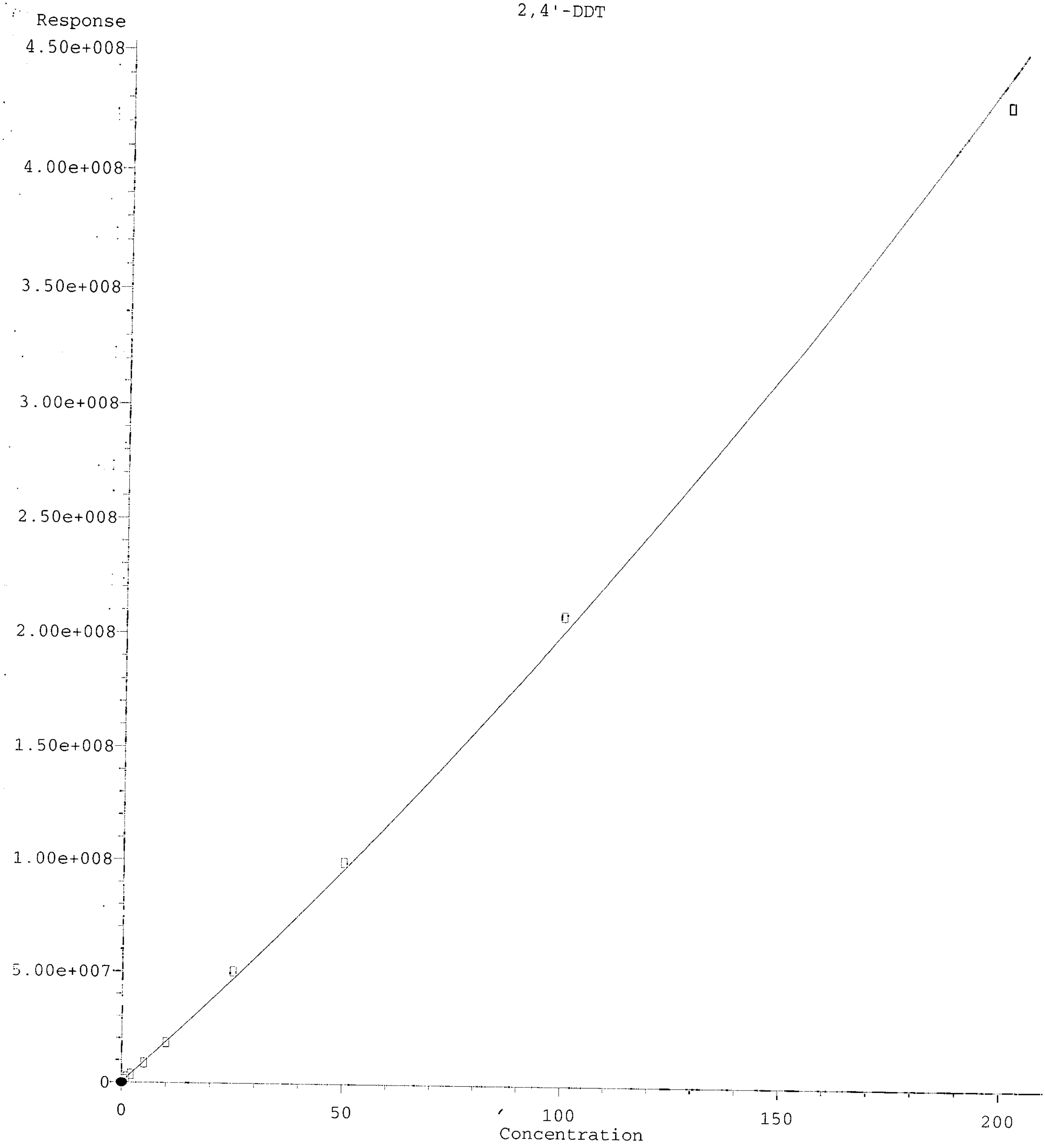
8.359min 0.570 ng/mL

response 1185591

(+) = Expected Retention Time

ECD8_QUANTPEST_200606.M Sun Jun 07 15:29:10 2020

2,4'-DDT

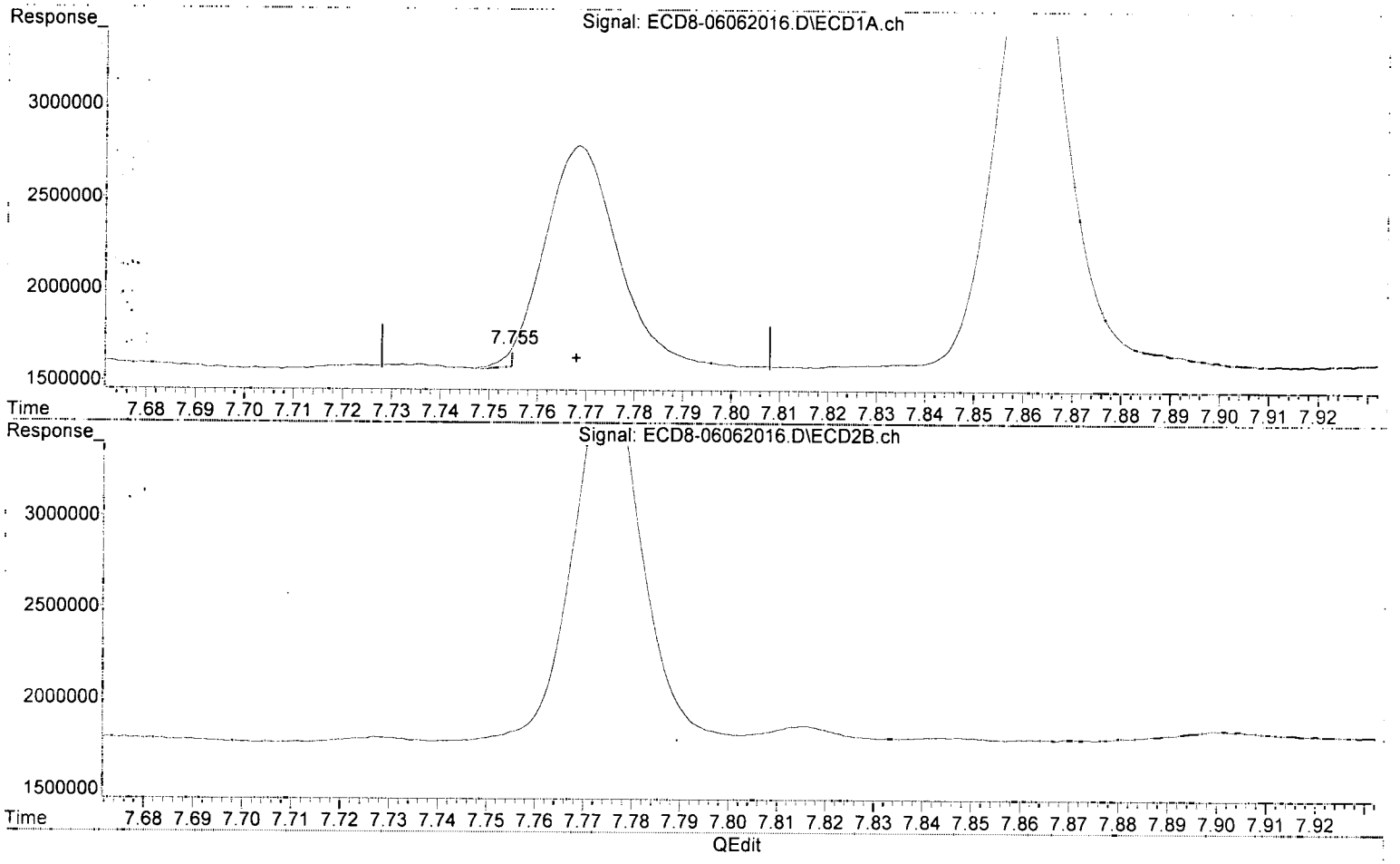


R = 2.04e+003 A*A + 1.81e+006 A + 3.18e+005
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT

7.755min -0.121 ng/mL m

response 98604

MJB 6/7/20

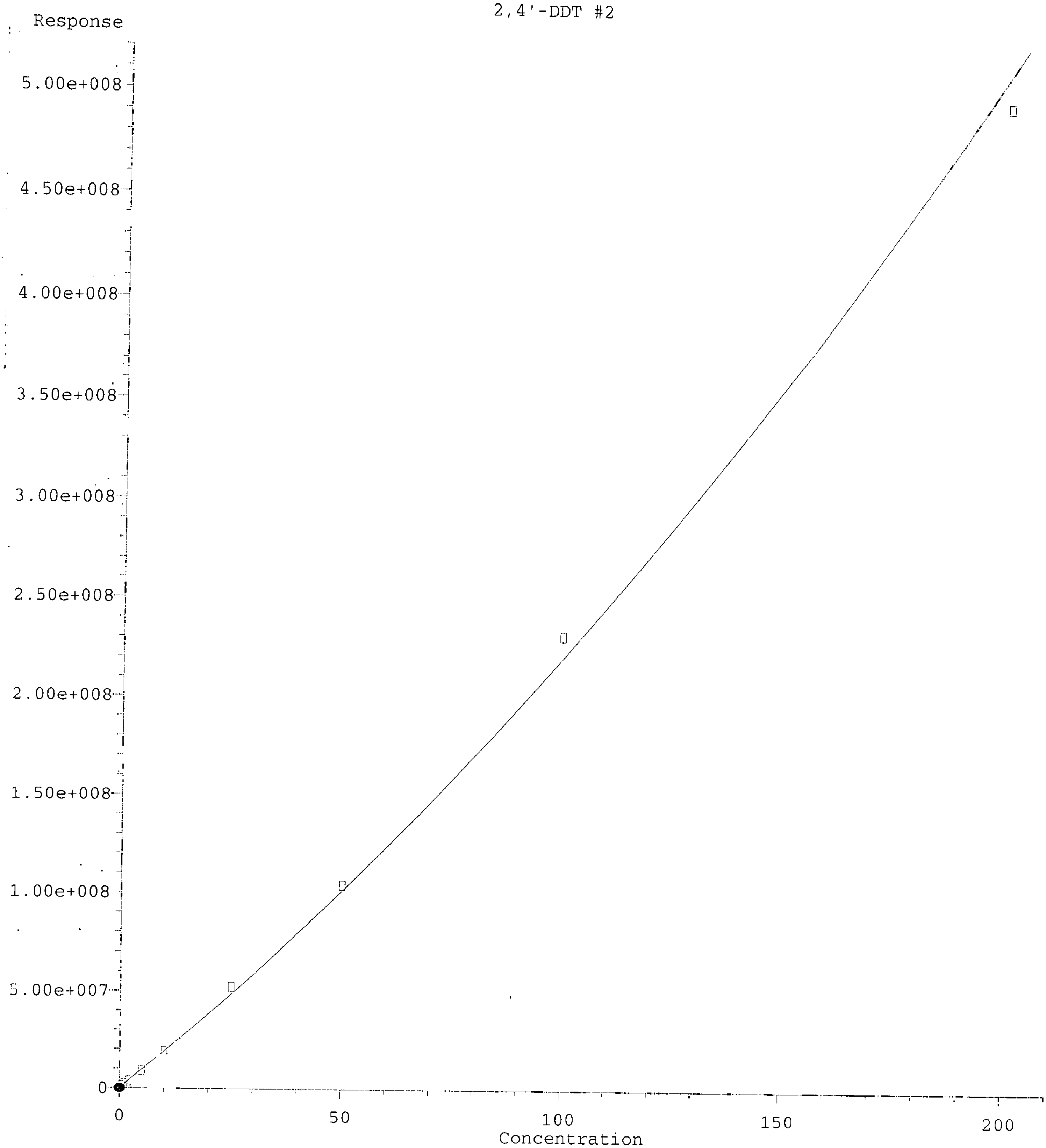
(29) 2,4'-DDT #2

8.582min 0.503 ng/mL

response 1241303

(+) = Expected Retention Time

2,4'-DDT #2

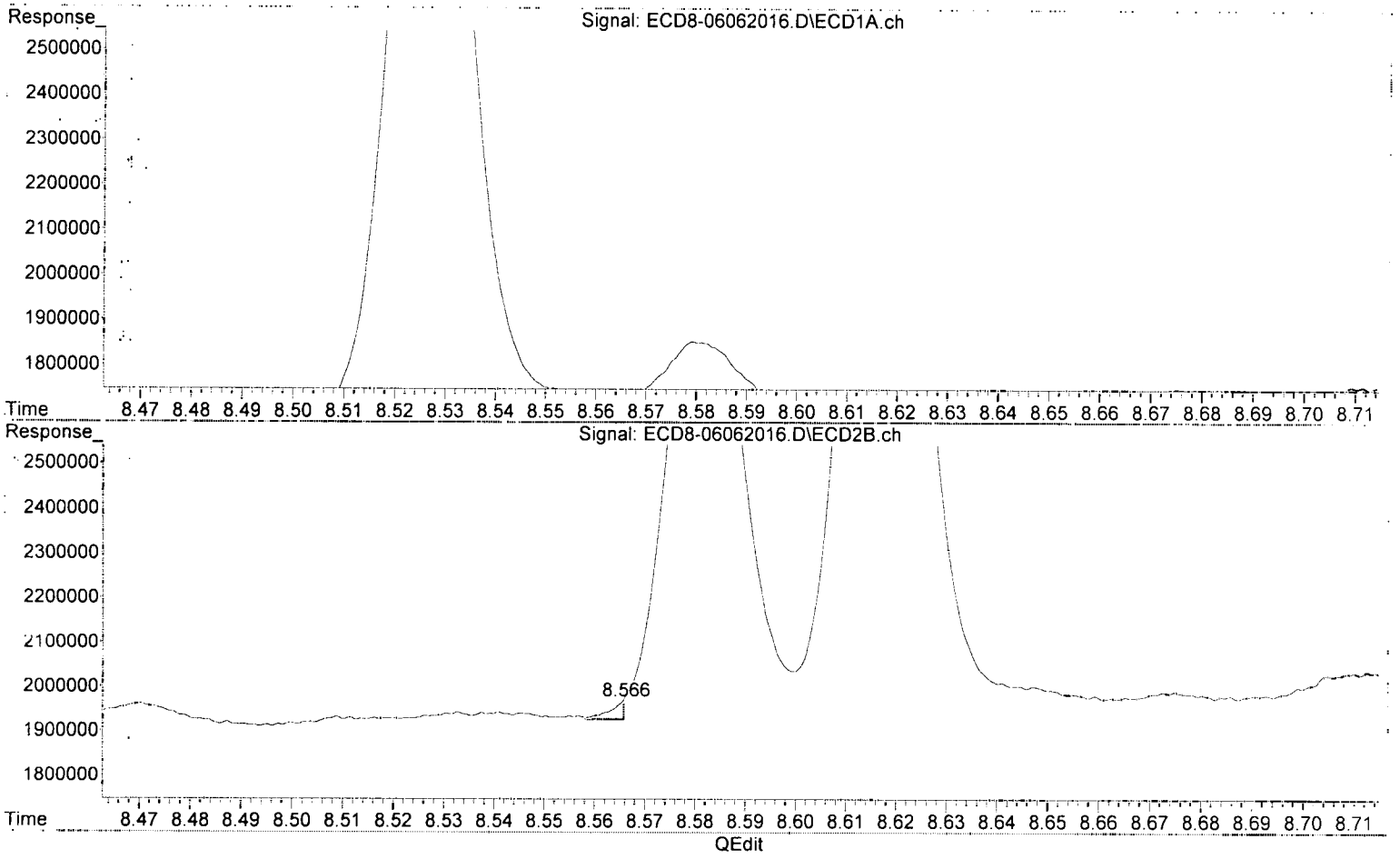


R = 3.57e+003 A*A + 1.84e+006 A + 3.15e+005
Coef of Det (r^2) = 0.996   Curve Fit: Quadratic
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT

7.755min -0.121 ng/mL m

response 98604

MJB 6/7/20

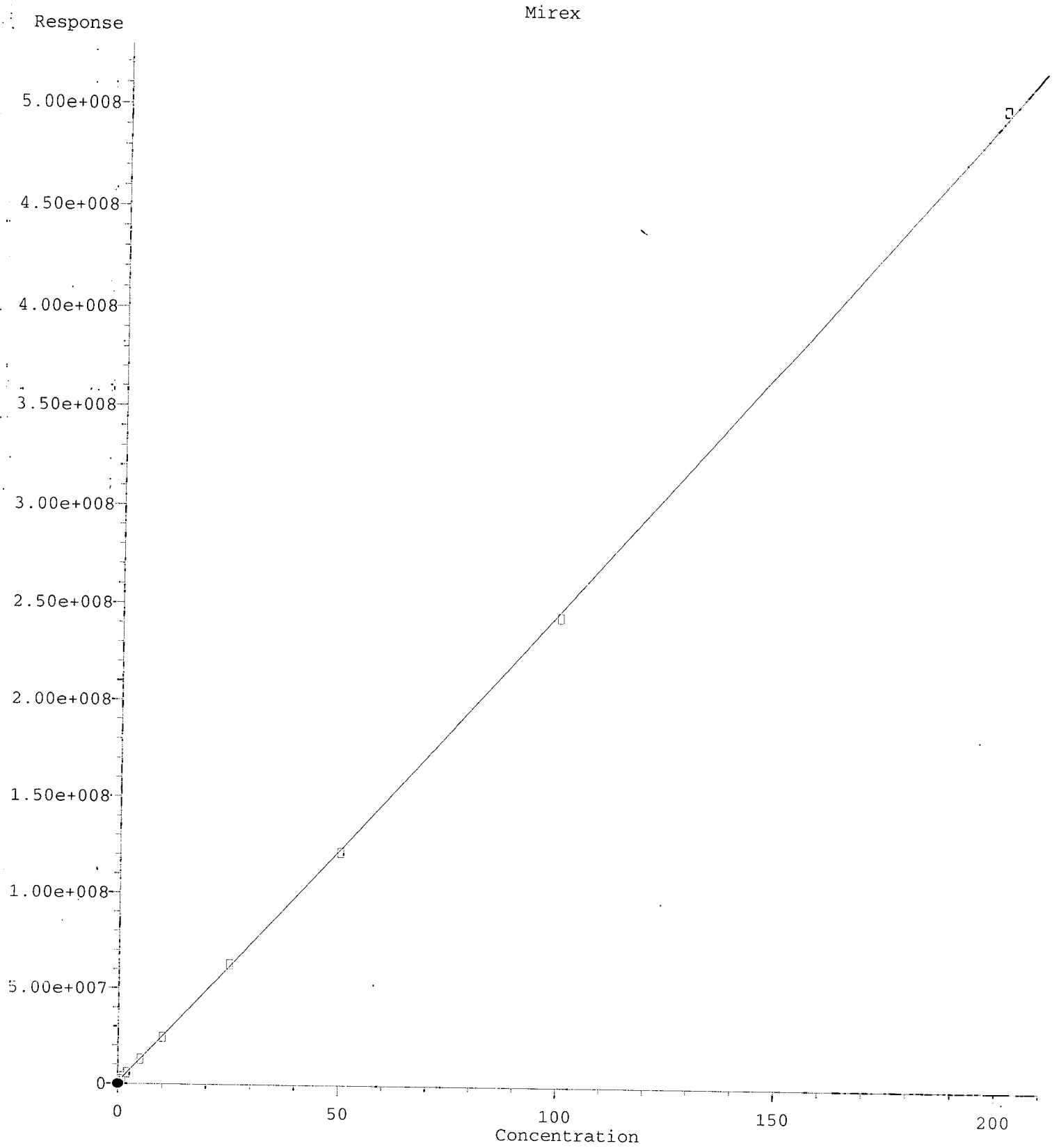
(29) 2,4'-DDT #2

8.566min -0.148 ng/mL m

response 42146

(+) = Expected Retention Time

ECD8_QUANTPEST_200606.M Sun Jun 07 15:29:29 2020

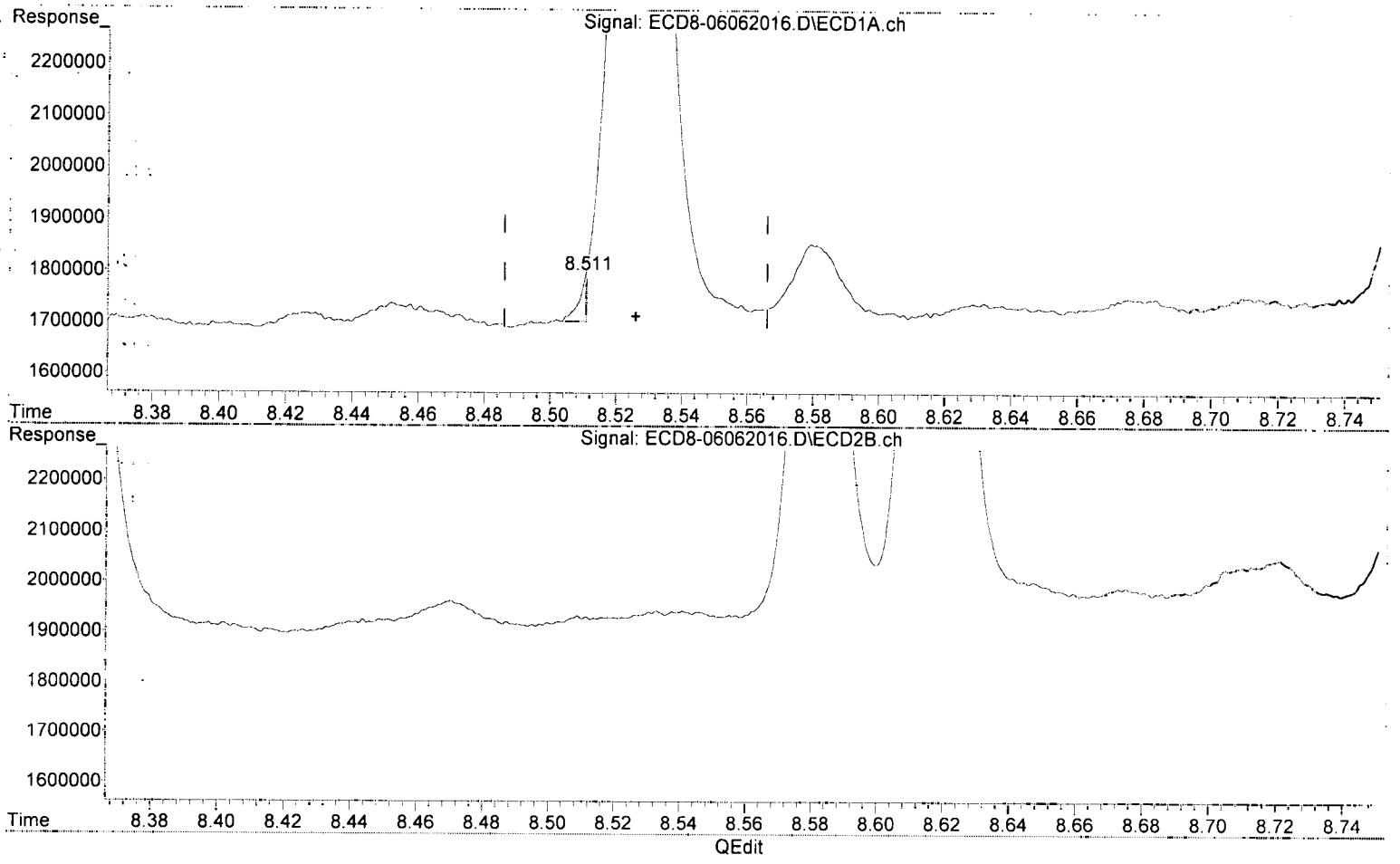


R = 2.93e+002 A*A + 2.43e+006 A + 7.87e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w/ 1/a^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex

8.511min -0.286 ng/mL (m)

response 91666

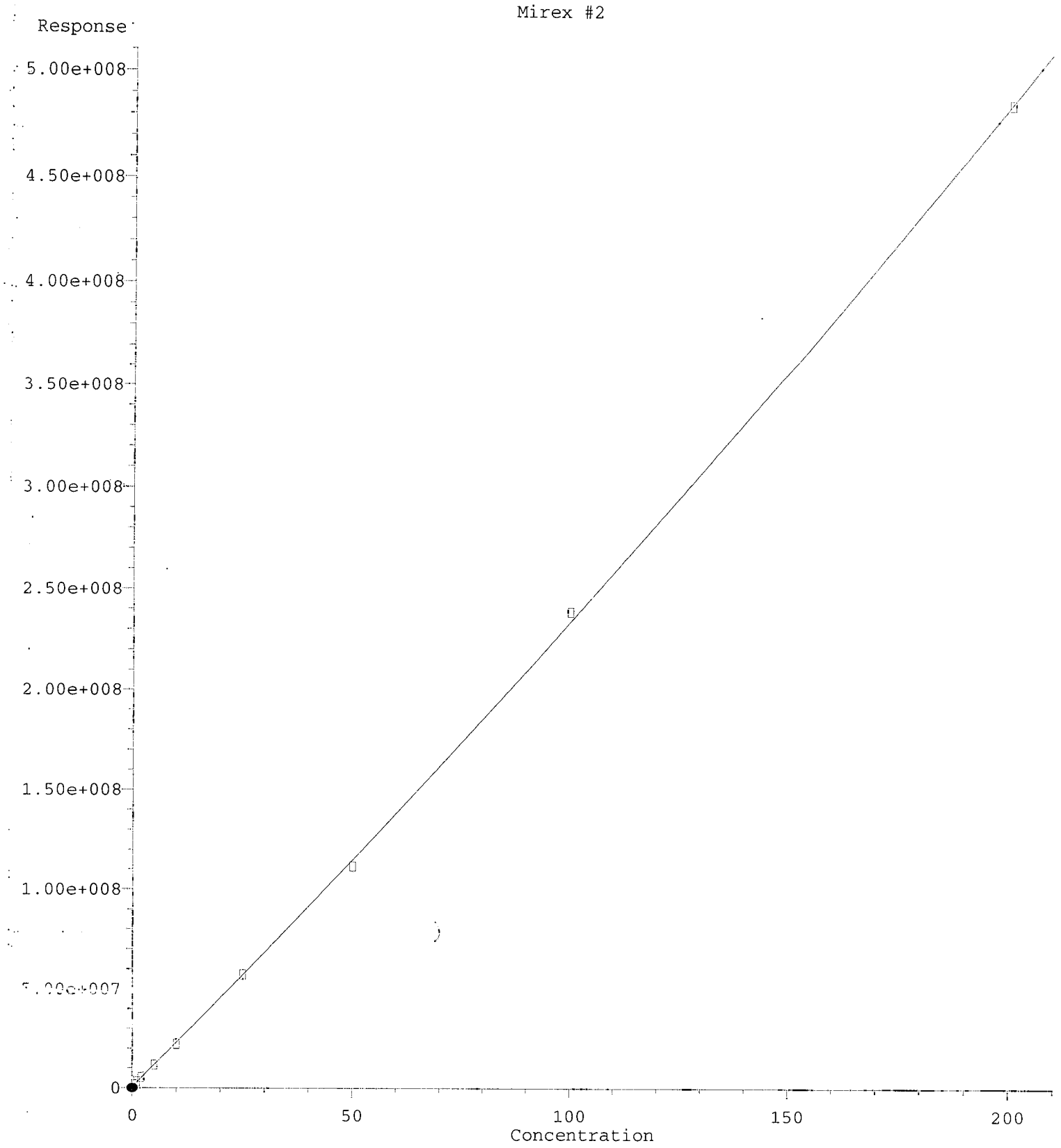
MJB 6/7/20

(31) Mirex #2

9.536min 0.477 ng/mL

response 1704303

(+) = Expected Retention Time

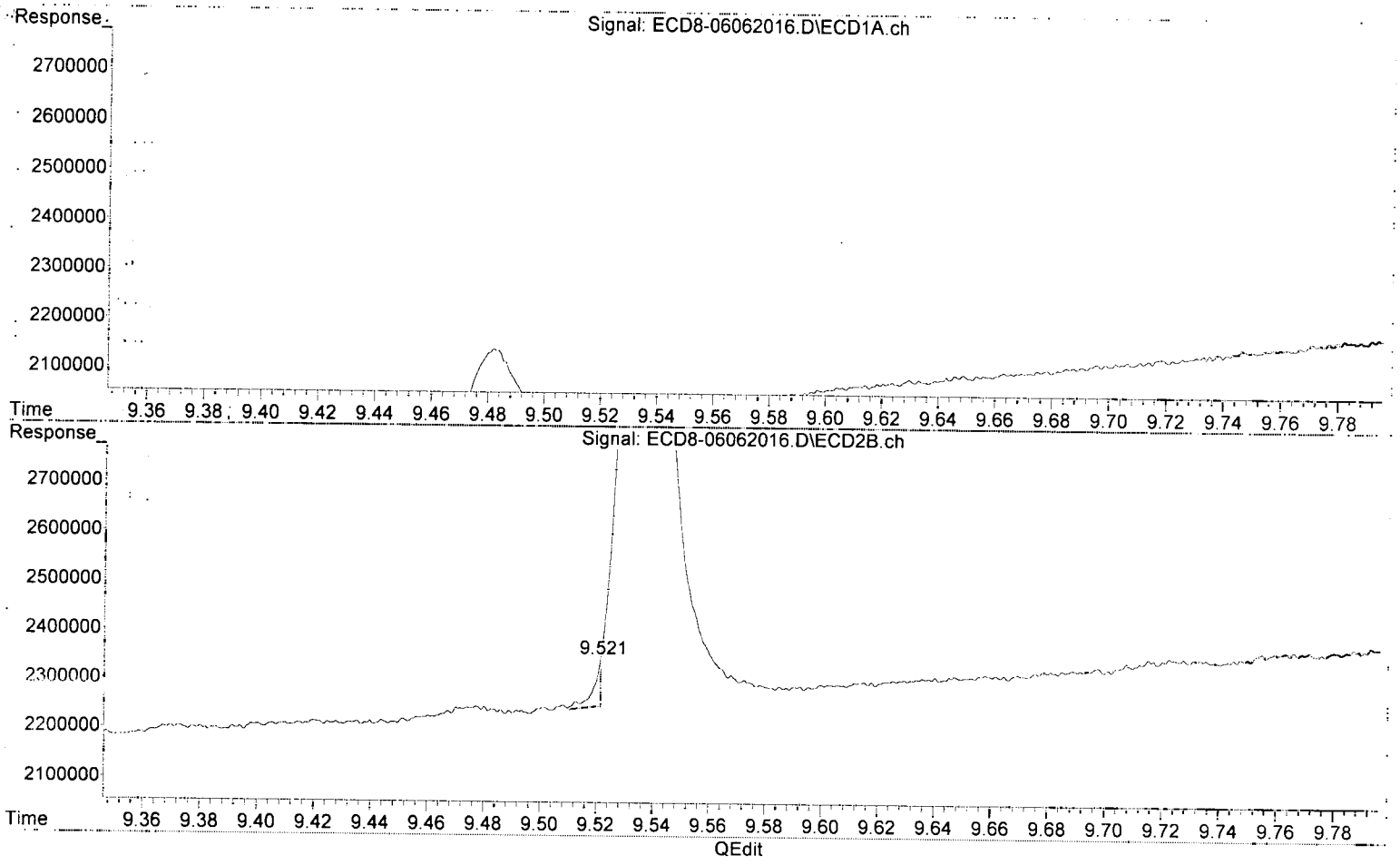


R = 9.94e+002 A*A + 2.23e+006 A + 6.40e+005
Coef of Det (r^2) = 0.988 Curve Fit: Quadratic w/1/x
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc. : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex

8.511min -0.286 ng/mL m

response 91666

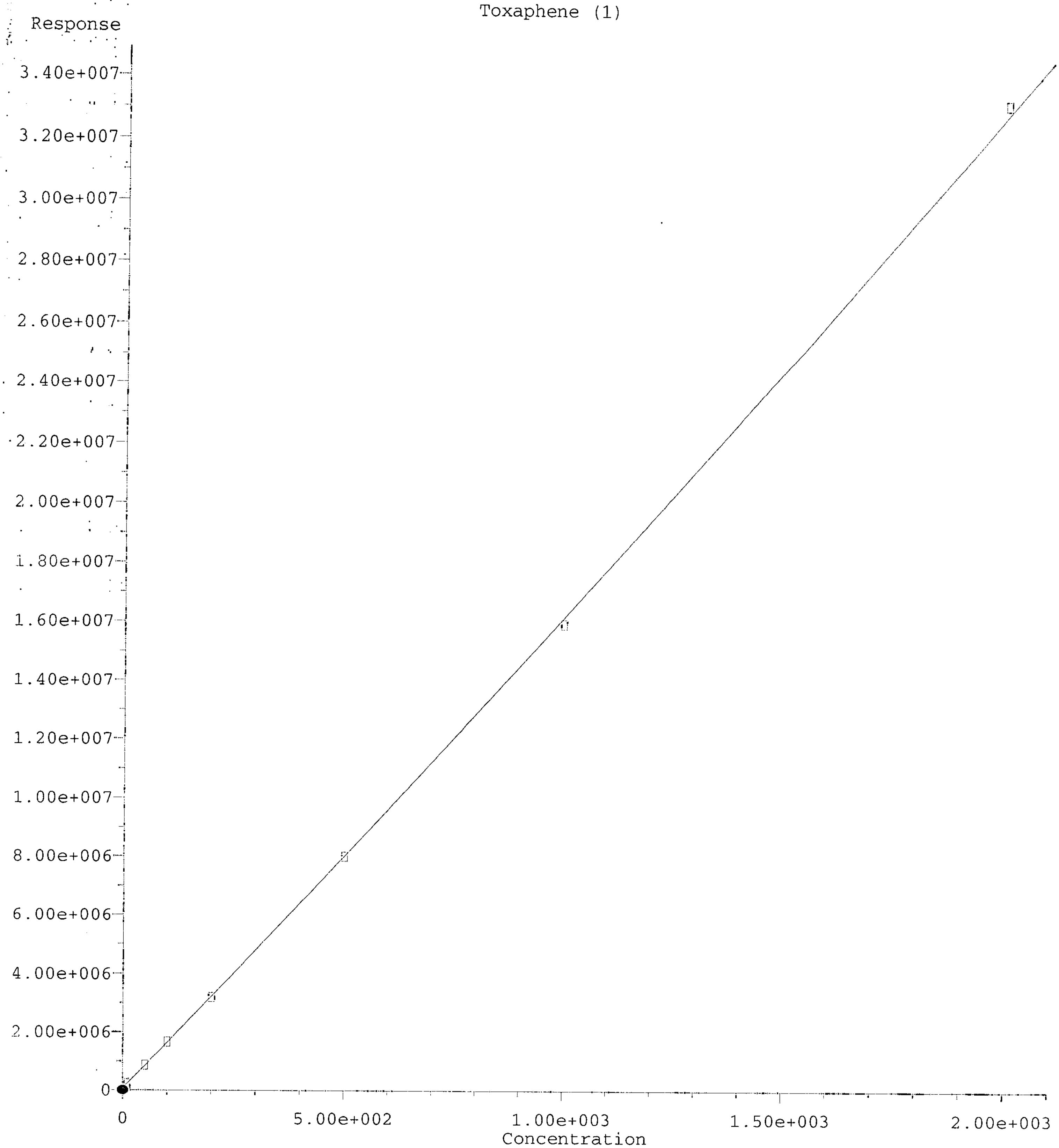
MJB 6/7/20

(31) Mirex #2

9.521min -0.243 ng/mL (m)

response 97303

(+) = Expected Retention Time

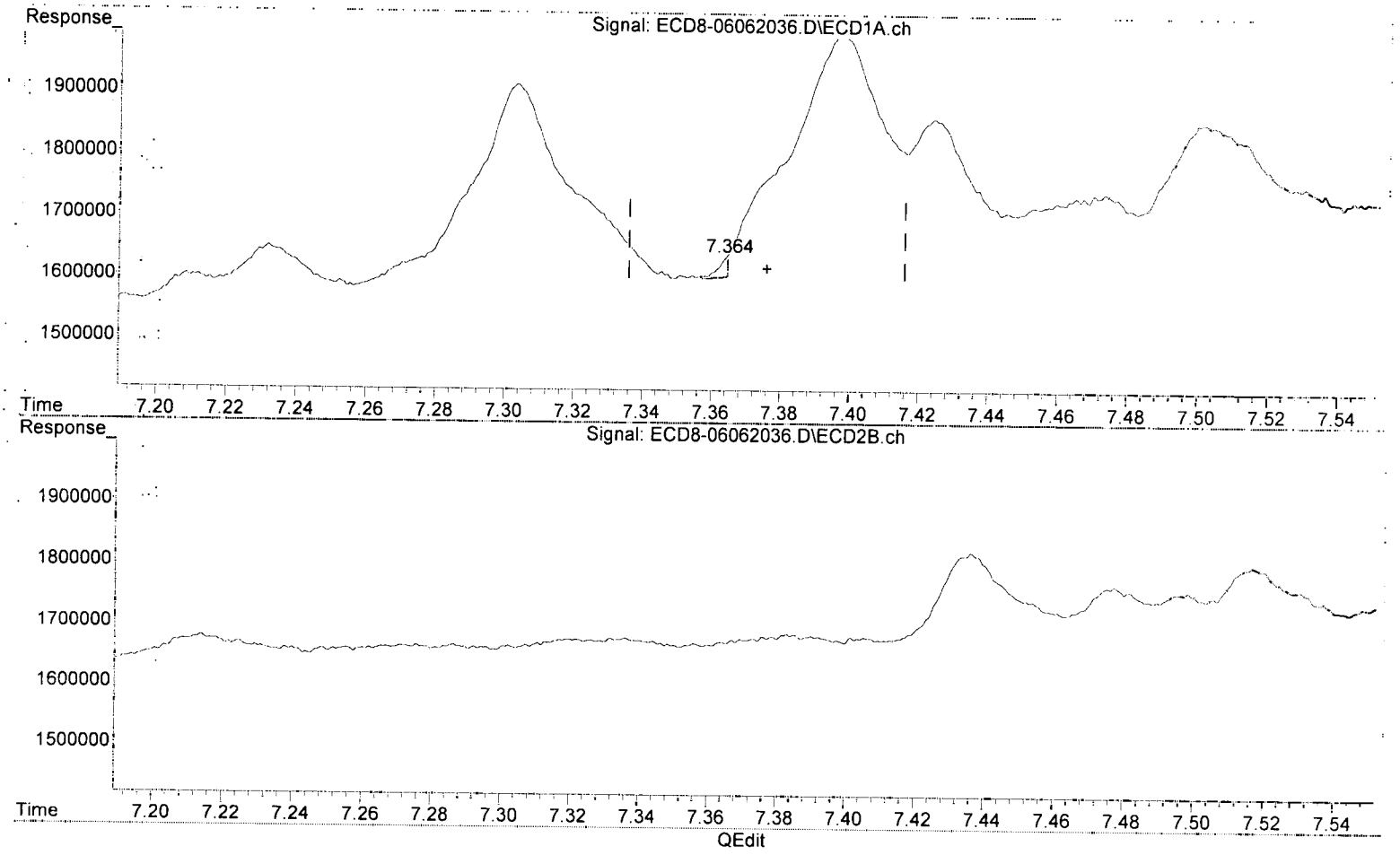


R = 3.46e-001 A*A + 1.58e+004 A + 6.62e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic (1/x^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:30 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(36) Toxaphene (1)

7.364min -2.084 ng/mL (m)

response 33377

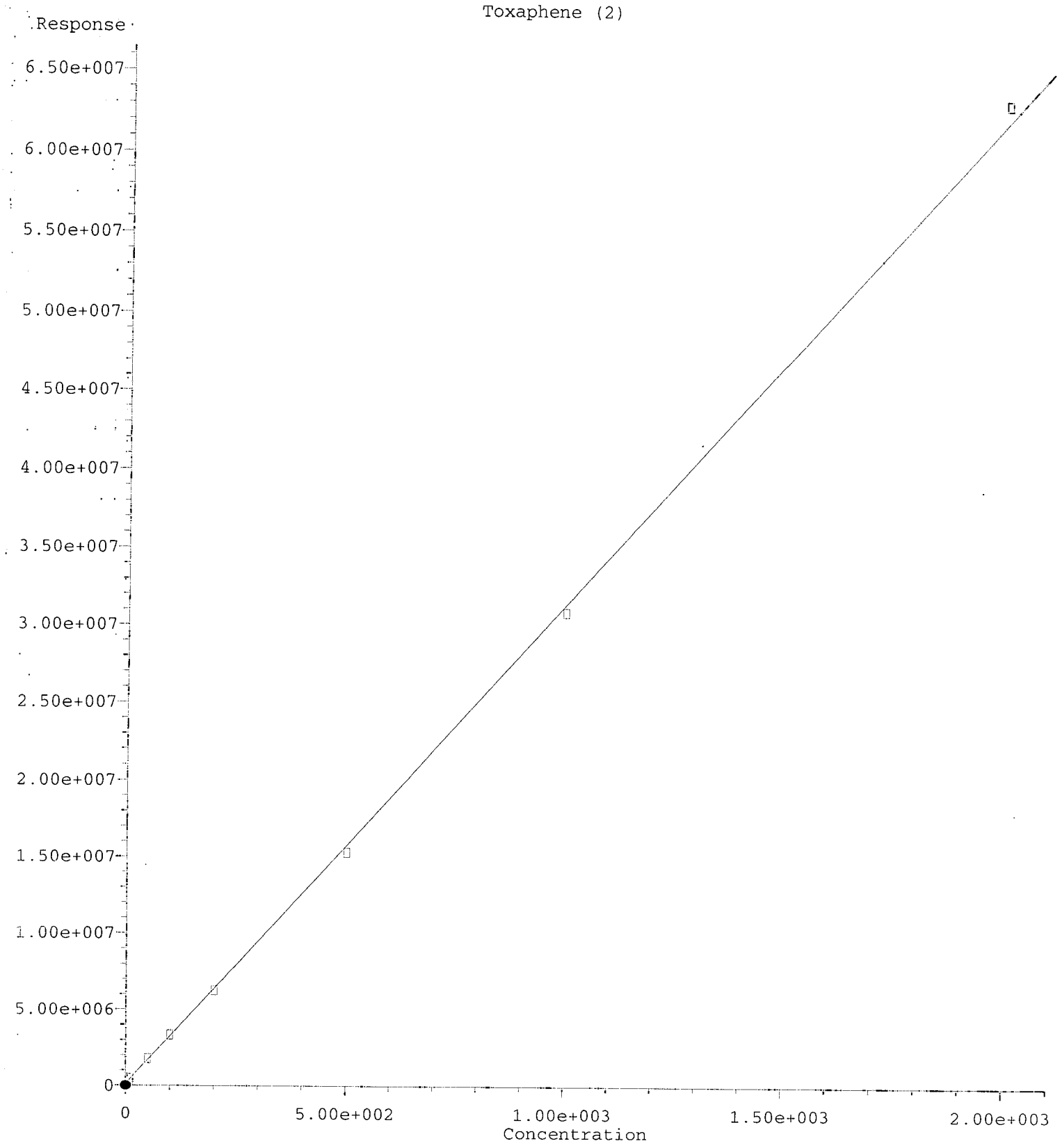
MJB 6/7/20

(36) Toxaphene (1) #2

8.324min 11.353 ng/mL

response 372544

(+) = Expected Retention Time

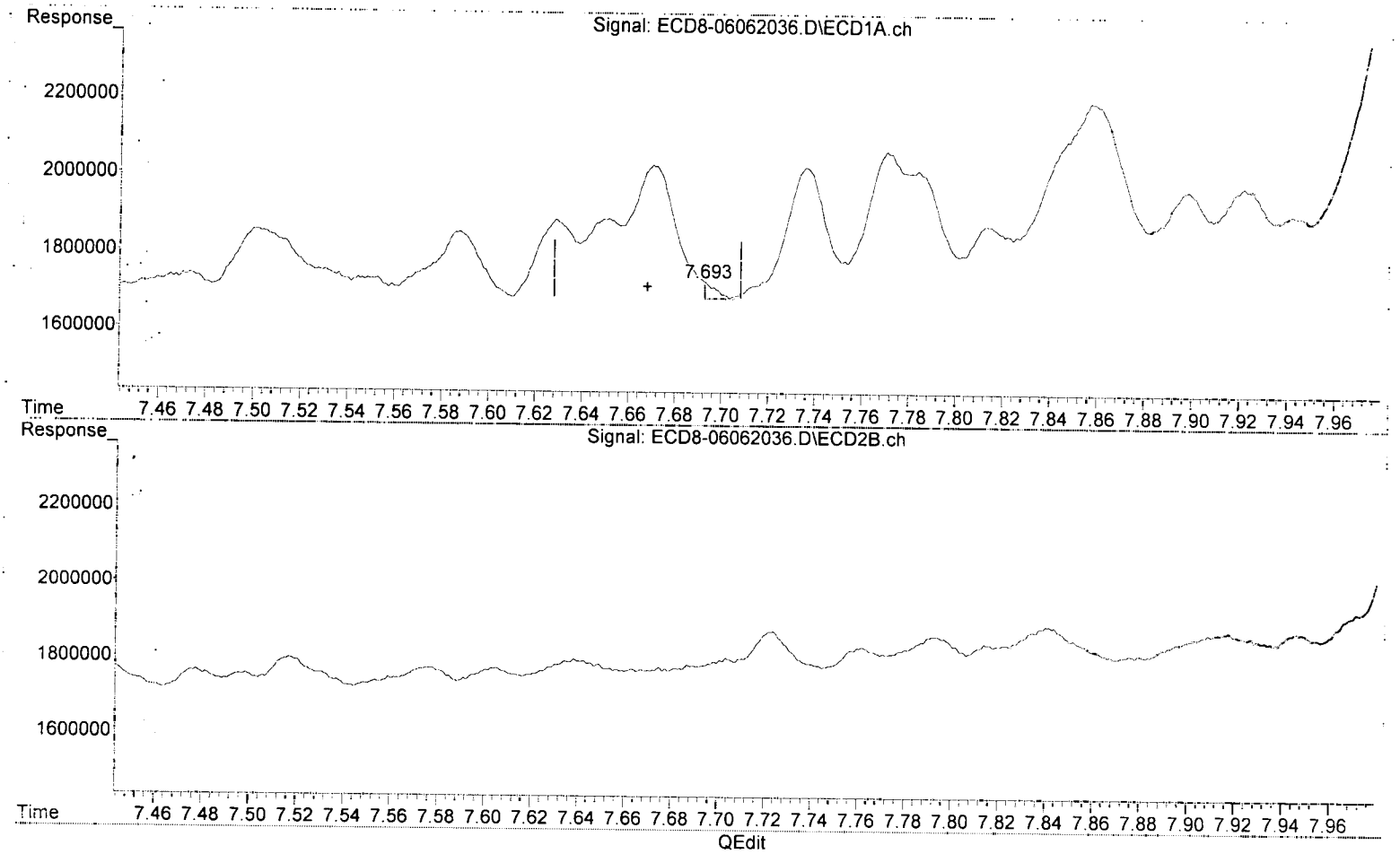


R = -1.79e-001 A*A + 3.14e+004 A + 1.17e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(37) Toxaphene (2)

7.693min 175390.743 ng/mL

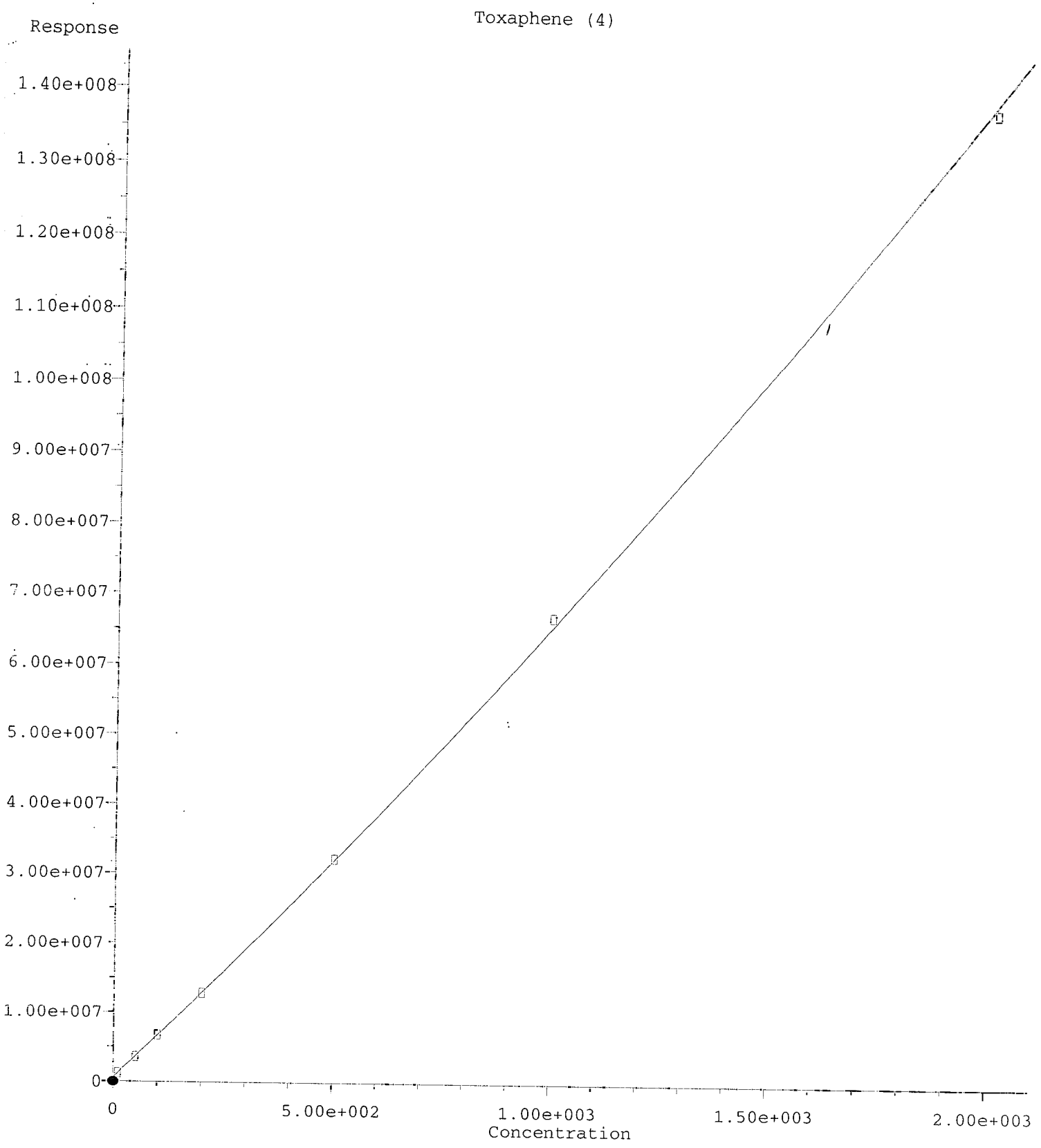
response 44075

(37) Toxaphene (2) #2

8.673min 10.684 ng/mL

response 454972

(+) = Expected Retention Time

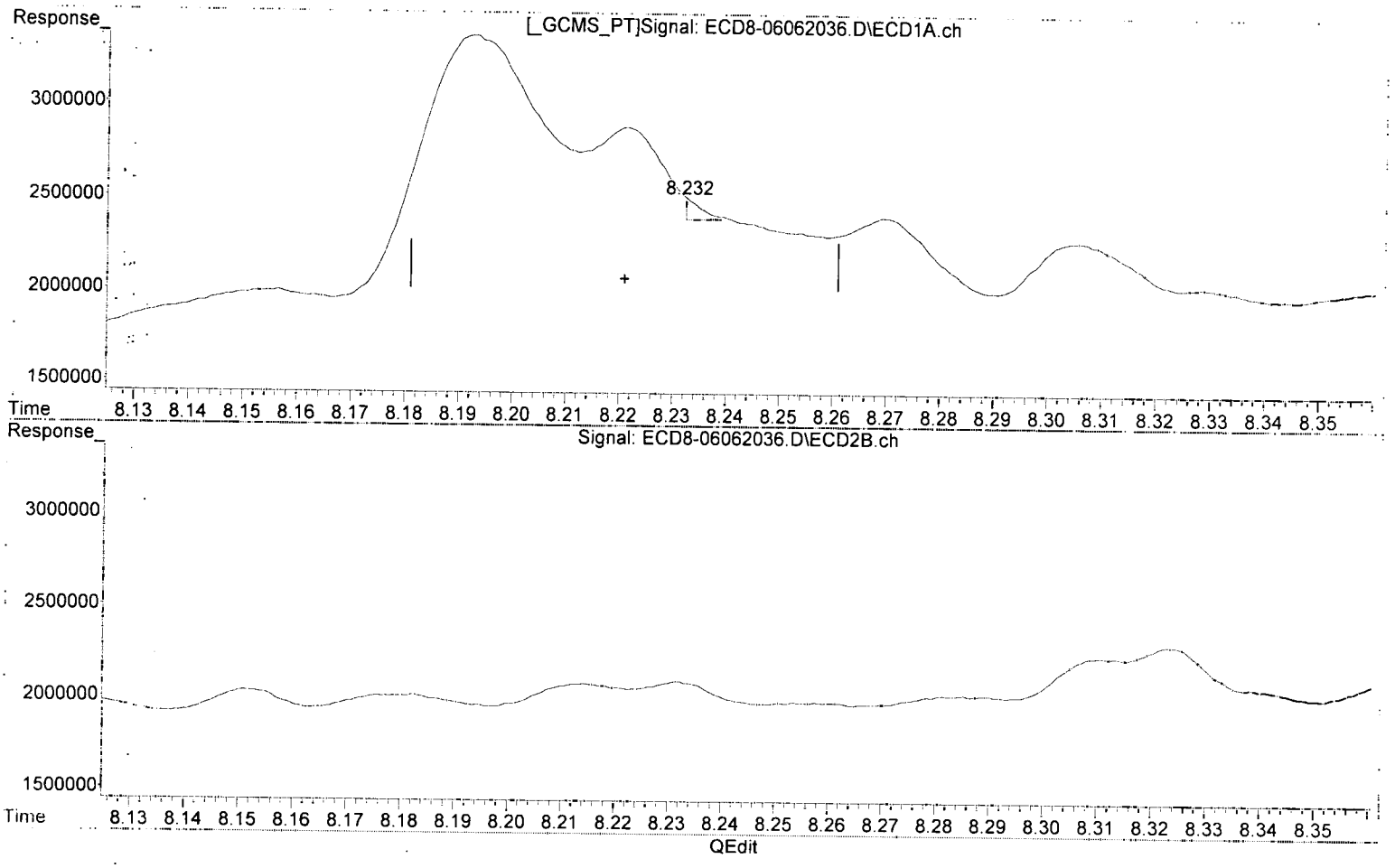


R = 4.37e+000 A*A + 6.06e+004 A + 5.81e+005
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(39) Toxaphene (4)

8.232min -7.618 ng/mL (m)

response 118817

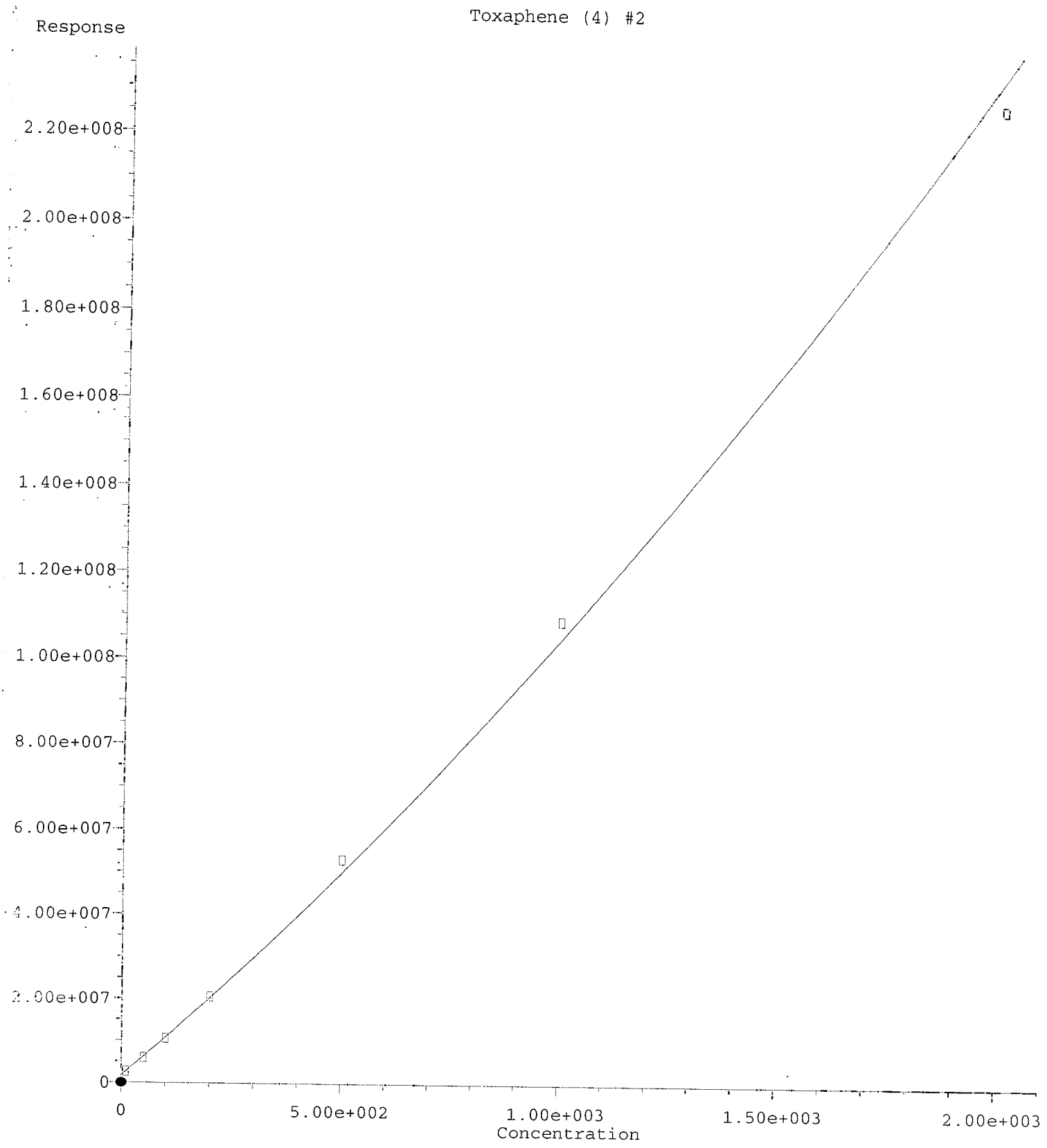
MJB 6/7/20

(39) Toxaphene (4) #2

8.773min 10.159 ng/mL

response 2581320

(+) = Expected Retention Time

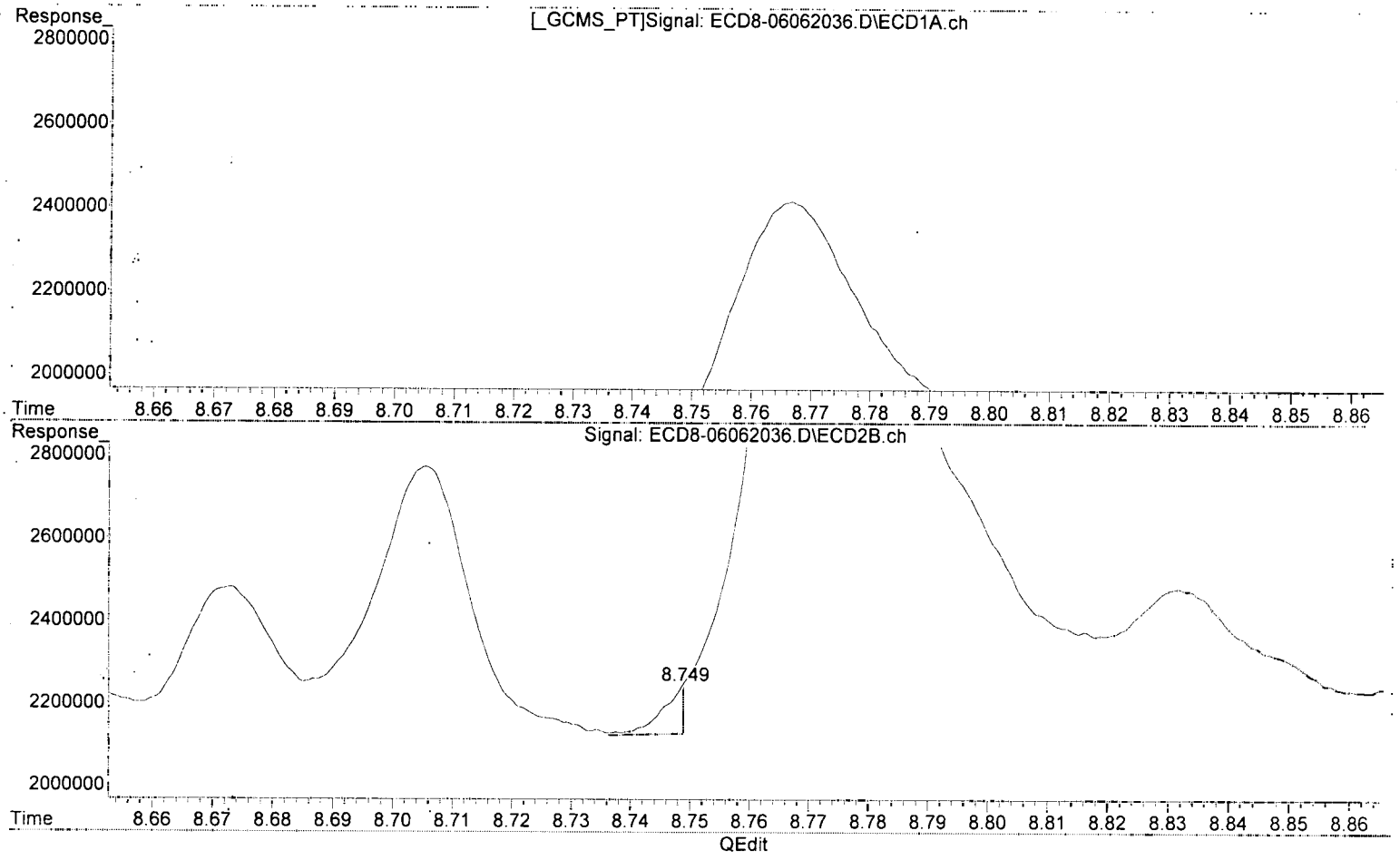


R = 1.29e+001 A*A + 9.00e+004 A + 1.67e+006
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w/(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Calibration Table Last Updated: Sun Jun 07 14:14:20 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(39) Toxaphene (4)

8.232min -7.618 ng/mL m

response 118817

MJB 6/17/20

(39) Toxaphene (4) #2

8.749min -17.248 ng/mL (m)

response 117255

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:34
Operator : MJB
Sample : 0F06008-ICB1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

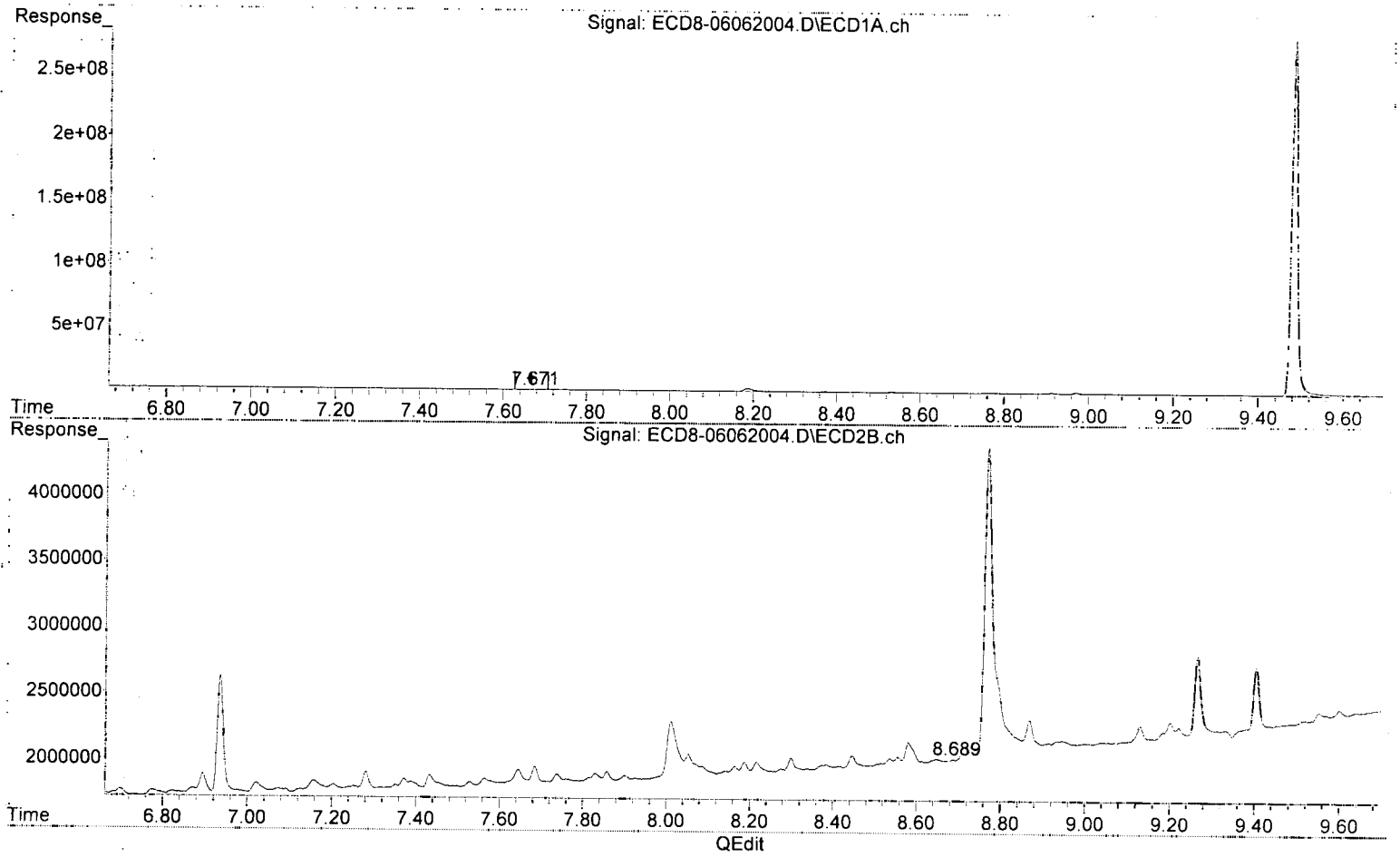
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.276	5.847	368.7E6	369.2E6	101.092	103.989	
22)	S DCBP (S)	9.483	10.395	279.0E6	235.9E6	96.645	95.371	
	Target Compounds							
2)	a-BHC	5.816	0.000	74627	0	0.015	N.D.	#
3)	g-BHC	6.069f	6.773	51697	41576	0.012	0.010	
4)	b-BHC	6.171	6.838	55999	24065	0.031	0.013	#
5)	Heptachlor	6.503	7.156	60603	87393	0.015	0.021	#
6)	d-BHC	6.351f	7.092	32341	25247	0.042	0.042	
7)	Aldrin	6.748	7.387	26788	55079	0.006	0.014	#
8)	Heptachlo...	7.240f	7.858	116521	68875	0.029	0.018	#
9)	trans-Chl...	7.289	8.011f	106608	428530	0.026	0.112	#
10)	cis-Chlor...	7.394	8.087	416655	75162	BelowCal	0.020	
11)	Endosulfa...	7.497	8.141	51396	29067	0.014	0.009	#
12)	4,4'-DDE	7.474	8.218	48205	86744	0.013	0.032	#
13)	Dieldrin	7.671	8.340	29742	13791	0.007	0.004	#
14)	Endrin	0.000	8.581	0	165366	N.D.	0.056	#
15)	4,4'-DDD	7.876	8.625	85590	6026	0.030	BelowCal	#
16)	Endosulfa...	7.977	8.714	14754	97700	0.005	0.032	#
17)	4,4'-DDT	8.082	8.868	14874	255891	0.016	0.065	#
18)	Endrin Al...	8.283	8.935f	117487	82391	BelowCal	0.028	
19)	Endosulfa...	8.557f	9.150	22442	39771	0.008	0.013	#
20)	Methoxychlor	8.413	9.331	220522	51882	0.067	BelowCal	#
21)	Endrin Ke...	8.762	9.552	462940	81109	0.130	0.024	#
23)	Hexachlor...	0.000	3.558f	0	50437	N.D.	BelowCal	
24)	Hexachlor...	5.657	6.312	794957	22226	0.069	BelowCal	#
25)	Oxychlordane	7.107f	7.787	40165	14275	BelowCal	BelowCal	
26)	2,4'-DDE	7.240f	8.011f	116521	428530	0.049	BelowCal	#
27)	trans-Non...	7.394	8.053	416655	170711	BelowCal	BelowCal	
28)	2,4'-DDD	0.000	8.374	0	34839	N.D.	0.017	#
29)	2,4'-DDT	7.775	8.581	77096	165366	BelowCal	BelowCal	
30)	cis-Nonac...	7.876	8.613	85590	15528	0.021	0.004	#
31)	Mirex	8.532	9.534	559948	31718	BelowCal	BelowCal	
32)	Chlordane...	7.289	8.011f	106608	428530	0.258	0.989	#
33)	Chlordane...	7.394	8.087	416655	75162	0.810	0.206	#
34)	Chlordane...	7.953	8.768	169790	2337957	1.313	19.601	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.394	8.340	416655	13791	22.236 Q-DEL	0.420	#
37)	Toxaphene...	7.671	8.688	29742	9541	~~175391.199~~	0.224	#
38)	Toxaphene...	7.977	8.714	14754	97700	0.203	1.546	#
39)	Toxaphene...	8.187f	8.768	2224117	2337957	27.051	7.462	#
40)	Toxaphene...	8.447	8.935	26677	82391	0.512	1.403	#
41)	Toxaphene...	8.532	9.331	559948	51882	7.588	0.808	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:34
Operator : MJB
Sample : 0F06008-ICB1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(37) Toxaphene (2)

7.671min 175391.199 ng/mL

response 29742

(37) Toxaphene (2) #2

8.688min 0.224 ng/mL

response 9541

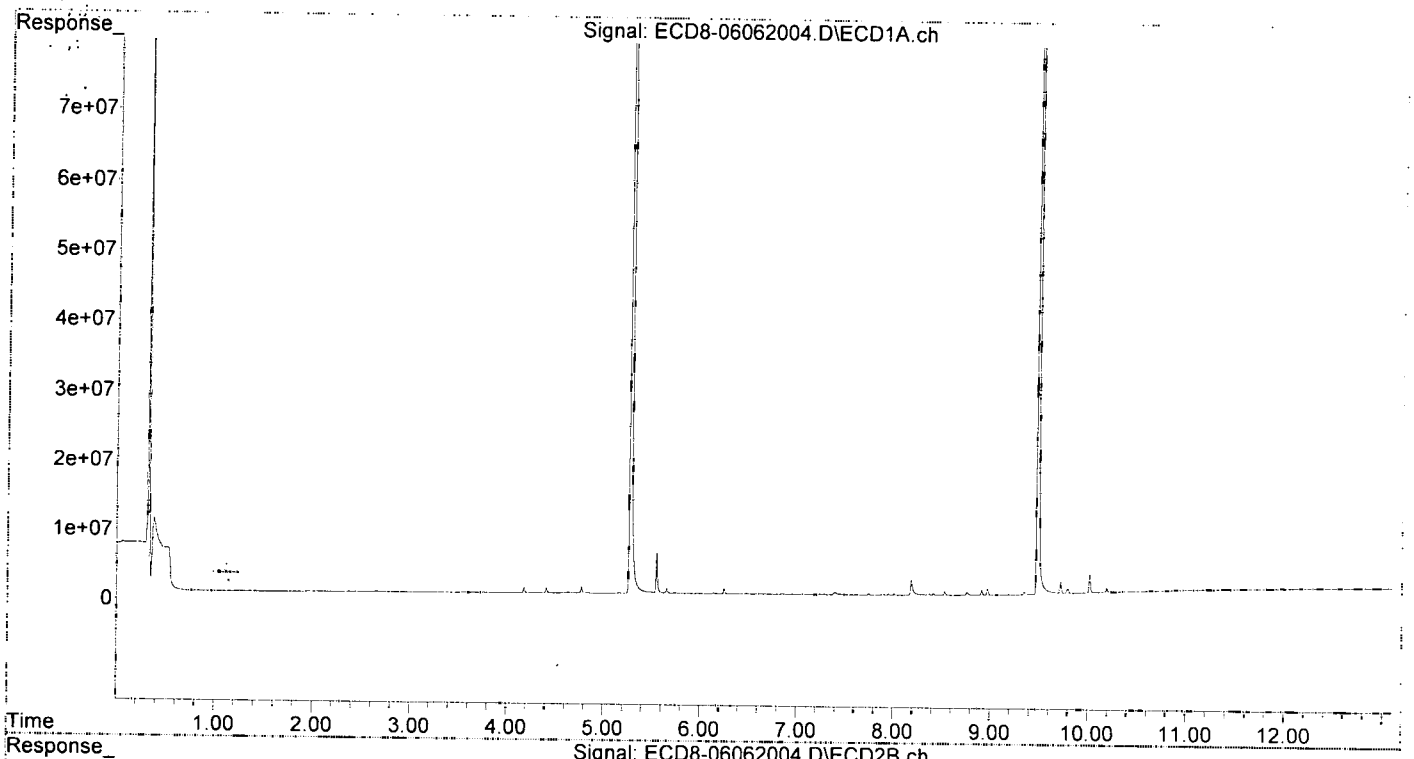
(+) = Expected Retention Time

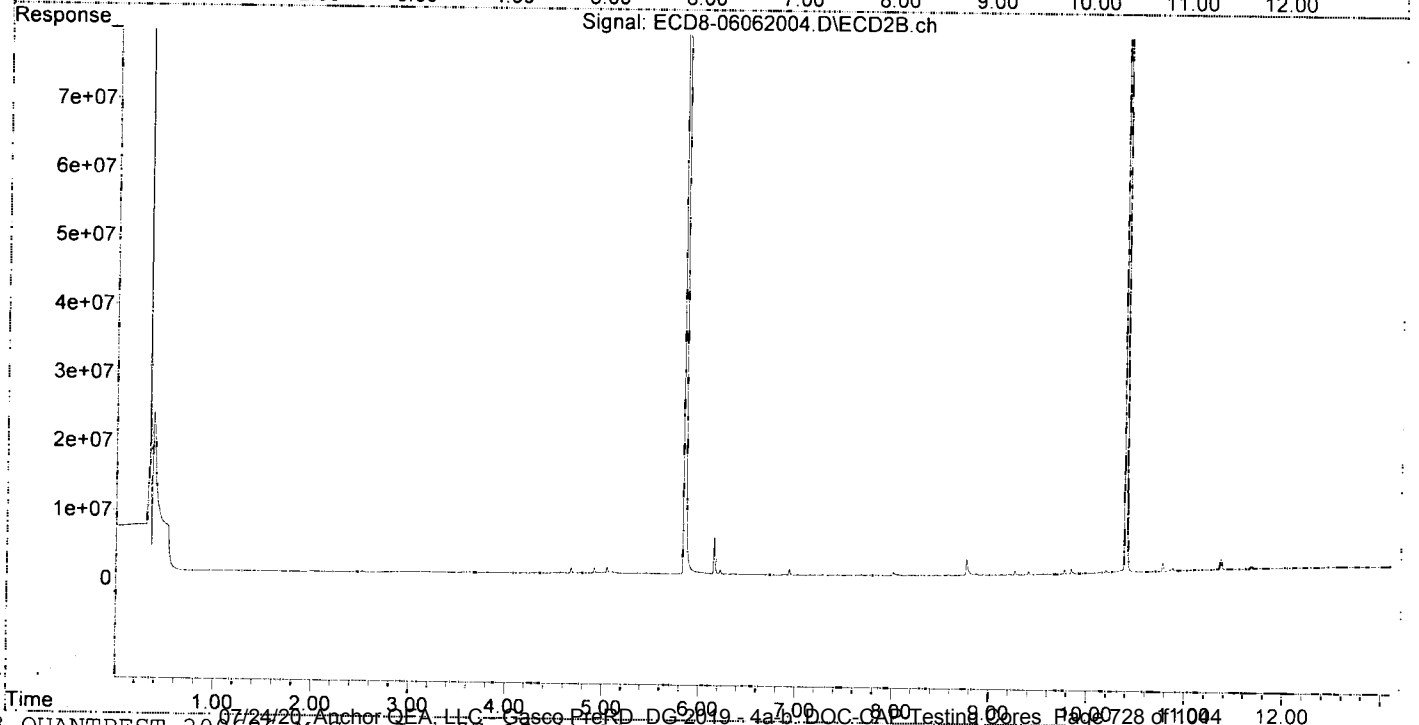
ECD8_QUANTPEST_200606.M Sun Jun 07 15:47:25 2020

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:34
Operator : MJB
Sample : 0F06008-ICB1
Misc : A20E115
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:19
Operator : MJB
Sample : 0F06008-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Mean

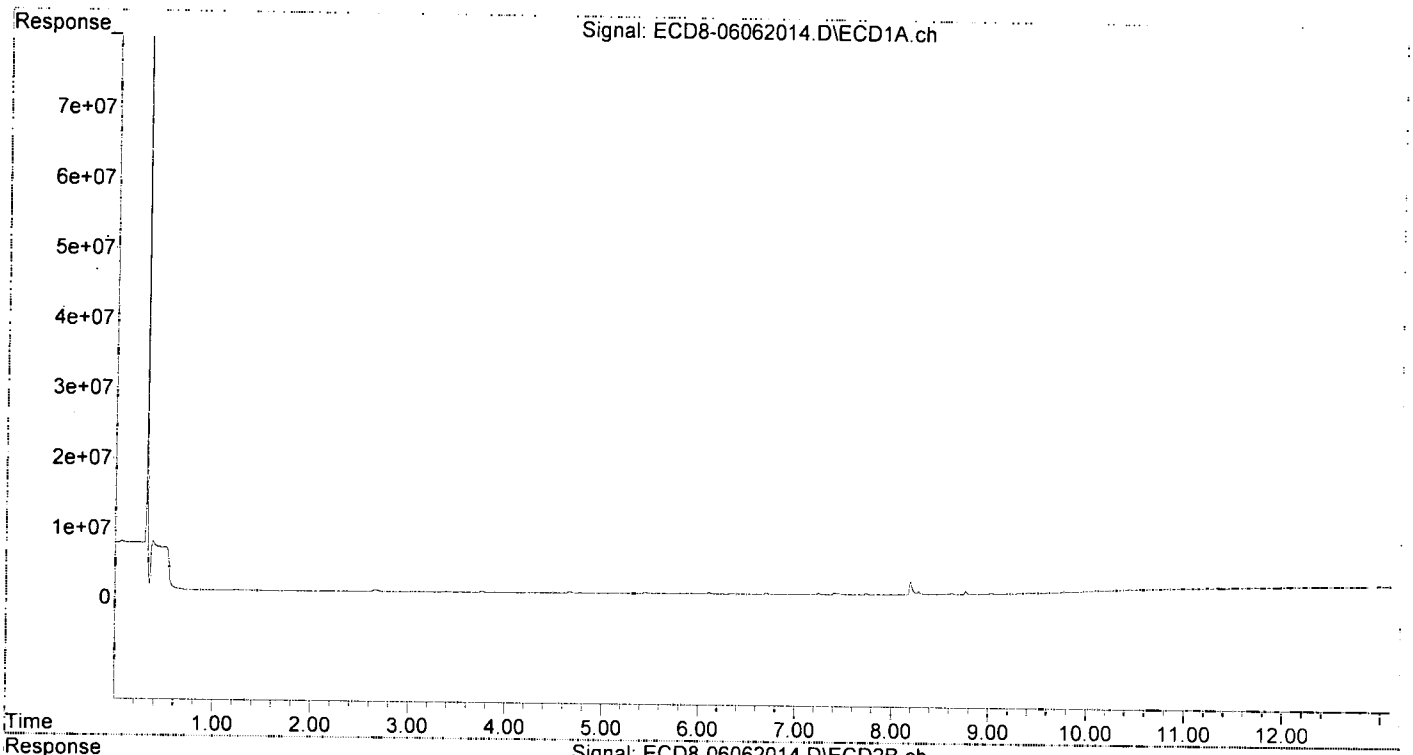
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.277	5.861	25577	107560	0.007	0.030 #
22)	S DCBP (S)	9.481	10.396	84194	60925	BelowCal	BelowCal
	Target Compounds						
2)	a-BHC	5.815	6.438	53284	31824	0.011	0.007 #
3)	g-BHC	6.110	6.772	197153	16183	0.046	0.004 #
4)	b-BHC	6.172	6.840	33259	44473	0.018	0.024 #
5)	Heptachlor	6.501	7.127	26489	243993	0.007	0.058 #
6)	d-BHC	6.329	7.096	32671	42315	0.043	0.047
7)	Aldrin	6.706f	7.408	167760	29766	0.039	0.007 #
8)	Heptachlo...	7.206	7.848	25557	40509	0.006	0.011 #
9)	trans-Chl...	7.305	7.988	27849	32045	0.007	0.008
10)	cis-Chlor...	7.411	8.061f	210269	309774	BelowCal	0.083
11)	Endosulfa...	7.498	8.144	72663	42101	0.020	0.012 #
12)	4,4'-DDE	7.464	8.211	114945	25476	0.031	0.014 #
13)	Dieldrin	7.665	8.345	28937	33805	0.007	0.009
14)	Endrin	7.834	8.577	21792	14630	0.006	0.005
15)	4,4'-DDD	7.888	8.650f	24999	22255	0.009	BelowCal #
16)	Endosulfa...	7.989	8.723	48107	56088	0.016	0.019
17)	4,4'-DDT	8.083	8.880f	23911	297530	0.020	0.082 #
18)	Endrin Al...	8.279	8.960	507874	360068	BelowCal	0.124
19)	Endosulfa...	8.581	9.152	104401	93365	0.035	0.031
20)	Methoxychlor	8.424	9.336	46766	30510	BelowCal	BelowCal
21)	Endrin Ke...	8.762	9.552	491464	69583	0.138	0.021 #
23)	Hexachlor...	3.046	3.538	10794	19534	BelowCal	BelowCal
24)	Hexachlor...	0.000	6.302	0	55884	N.D.	BelowCal
25)	Oxychlordane	0.000	7.778	0	8162	N.D.	BelowCal
26)	2,4'-DDE	7.206	7.988	25557	32045	0.011	BelowCal #
27)	trans-Non...	7.411f	8.061	210269	309774	BelowCal	BelowCal
28)	2,4'-DDD	0.000	8.345	0	33805	N.D.	0.016 #
29)	2,4'-DDT	7.737f	8.577	154757	14630	BelowCal	BelowCal
30)	cis-Nonac...	7.834f	8.591f	21792	11062	0.005	0.003 #
31)	Mirex	8.524	9.552	29949	69583	BelowCal	BelowCal
32)	Chlordane...	7.305	7.988	27849	32045	0.067	0.074
33)	Chlordane...	7.411	8.061f	210269	309774	0.409	0.849 #
34)	Chlordane...	7.944	8.773	21315	1757580	0.165	14.736 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.411f	8.306	210269	24248	9.144	0.739 #
37)	Toxaphene...	7.665	8.650f	28937	22255	175391.224	0.523 #
38)	Toxaphene...	7.989	8.723	48107	56088	0.663	0.888 #
39)	Toxaphene...	8.192f	8.773	1952641	1757580	22.590	1.021 #
40)	Toxaphene...	8.424f	8.960	46766	360068	0.898	6.132 #
41)	Toxaphene...	8.515	9.336	31620	30510	0.428	0.475
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

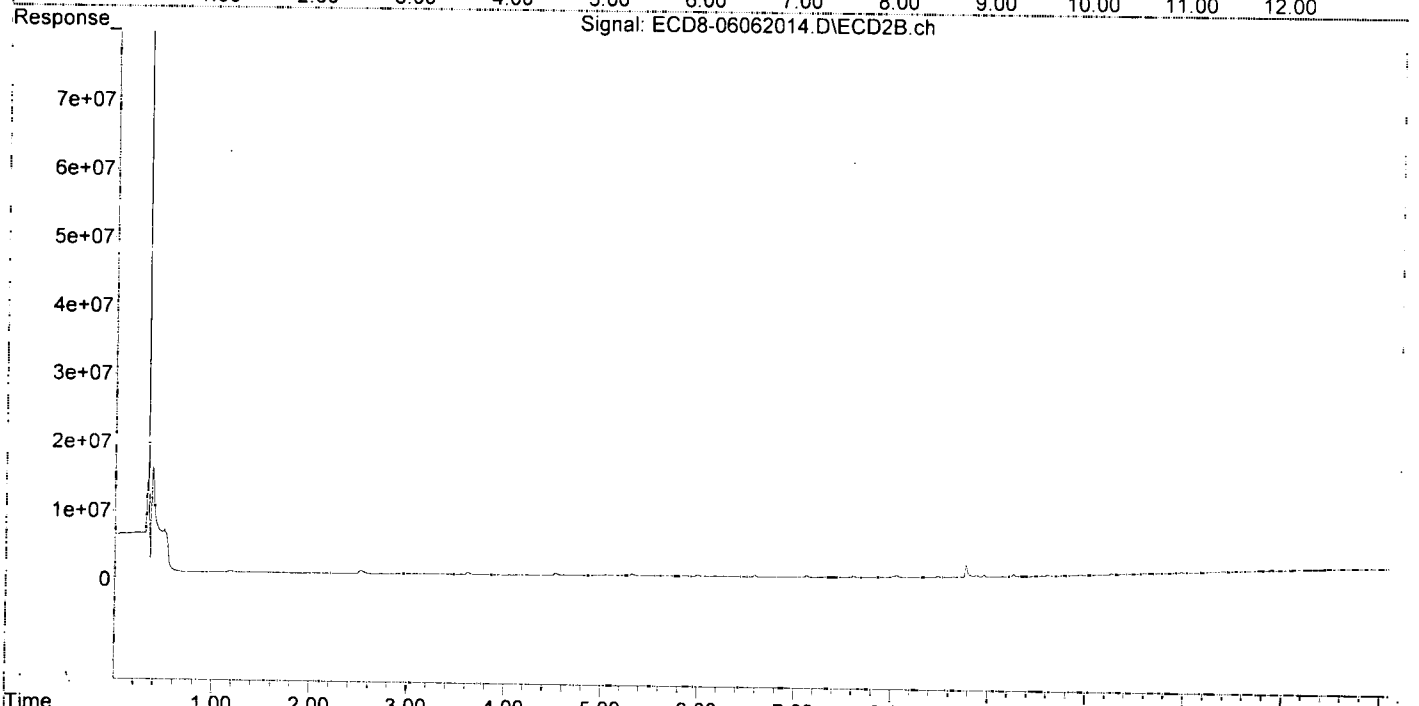
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:19
Operator : MJB
Sample : 0F06008-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:36
Operator : MJB
Sample : 0F06008-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

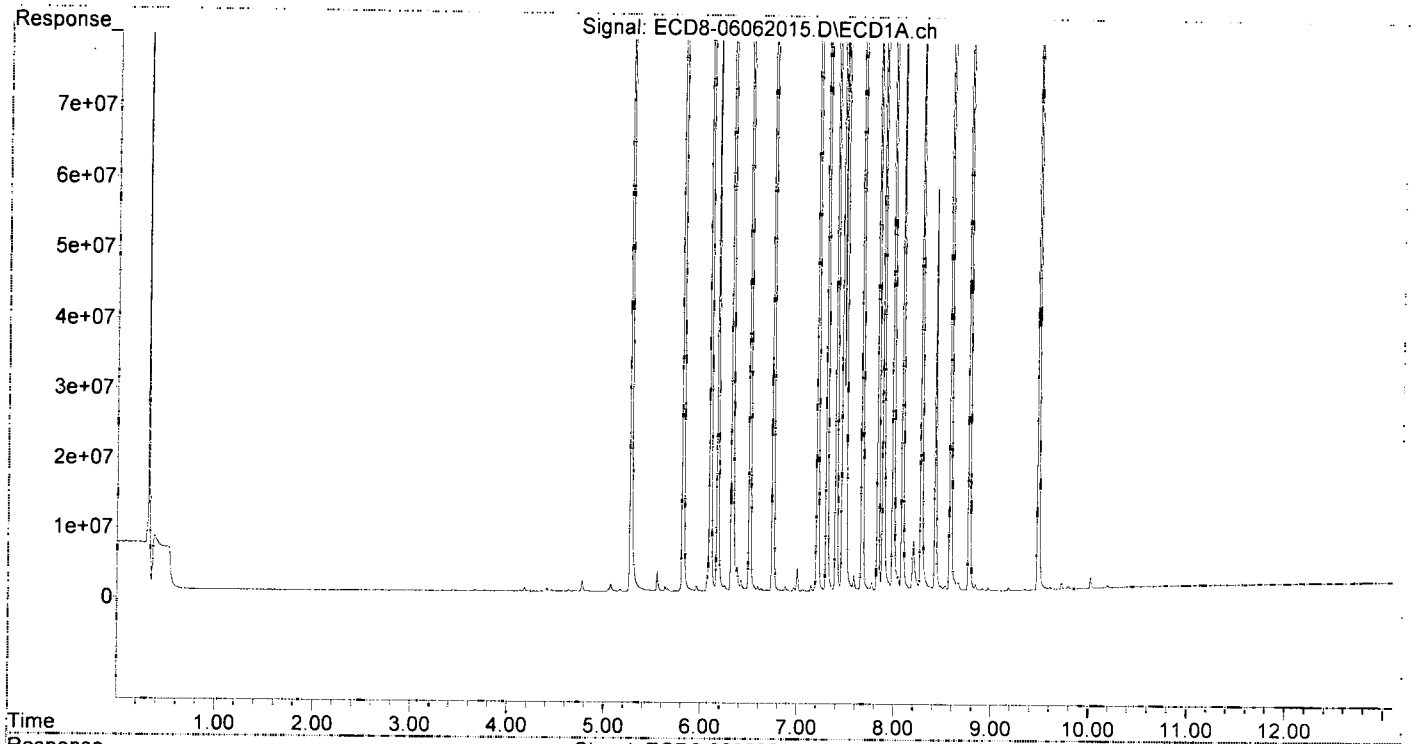
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.274	5.847	177.7E6	175.0E6	48.731	49.296	
22)	S DCBP (S)	9.482	10.396	141.8E6	116.5E6	49.525	48.869	
	Target Compounds							
2)	a-BHC	5.813	6.453	240.9E6	250.2E6	49.430	52.494	
3)	g-BHC	6.095	6.771	221.2E6	222.9E6	51.798	52.216	
4)	b-BHC	6.172	6.838	87452890	86748081	48.502	47.459	
5)	Heptachlor	6.504	7.142	195.7E6	201.4E6	49.503	47.541	
6)	d-BHC	6.320	7.091	192.8E6	207.3E6	51.841	51.354	
7)	Aldrin	6.745	7.406	215.2E6	203.9E6	49.908	50.844	
8)	Heptachlo...	7.206	7.846	196.9E6	187.6E6	49.821	49.822	
9)	trans-Chl...	7.301	7.987	195.0E6	189.2E6	48.455	49.547	
10)	cis-Chlor...	7.398	8.095	187.3E6	180.7E6	49.806	48.512	
11)	Endosulfa...	7.495	8.143	180.3E6	166.1E6	48.985	48.975	
12)	4,4'-DDE	7.464	8.207	181.7E6	179.0E6	49.575	49.842	
13)	Dieldrin	7.667	8.344	200.5E6	193.3E6	49.673	50.137	
14)	Endrin	7.831	8.572	168.3E6	152.9E6	49.872	51.708	
15)	4,4'-DDD	7.885	8.623	143.8E6	149.2E6	50.391	51.583	
16)	Endosulfa...	7.987	8.720	156.9E6	160.7E6	51.551	53.133	
17)	4,4'-DDT	8.083	8.850	128.9E6	141.2E6	52.090	51.273	
18)	Endrin Al...	8.278	8.959	133.4E6	128.8E6	47.824	44.500	
19)	Endosulfa...	8.580	9.150	149.4E6	147.9E6	50.579	49.880	
20)	Methoxychlor	8.424	9.334	57696314	65932751	50.518	50.377	
21)	Endrin Ke...	8.773	9.549	167.9E6	164.9E6	47.064	49.084	
23)	Hexachlor...	3.045	0.000	18585	0	BelowCal	N.D.	
24)	Hexachlor...	5.656	6.318	392885	38128	BelowCal	BelowCal	
25)	Oxychlordane	7.142	7.780	891829	39446	0.088	BelowCal	#
26)	2,4'-DDE	7.206	7.987	196.9E6	189.2E6	82.267	80.905	
27)	trans-Non...	7.398	8.048	187.3E6	704039	53.192	BelowCal	#
28)	2,4'-DDD	7.585	8.344	2302204	193.3E6	1.036	93.007	#
29)	2,4'-DDT	7.769	8.572	1270000	152.9E6	0.526	72.628	#
30)	cis-Nonac...	7.885f	8.623	143.8E6	149.2E6	34.966	37.336	
31)	Mirex	8.529	9.549	733229	164.9E6	BelowCal	71.312	
32)	Chlordane...	7.301	7.987	195.0E6	189.2E6	471.984	436.746	
33)	Chlordane...	7.398	8.095	187.3E6	180.7E6	364.100	495.399	#
34)	Chlordane...	0.000	8.769	0	2290358	N.D.	19.202	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.398f	8.344f	187.3E6	193.3E6	9785.721	5890.844	#
37)	Toxaphene...	7.667	0.000	200.5E6	0	6626.725	N.D.	#
38)	Toxaphene...	7.987	8.720	156.9E6	160.7E6	2162.204	2542.733	
39)	Toxaphene...	8.199f	8.769	7256567	2290358	109.233	6.934	#
40)	Toxaphene...	8.424f	8.959	57696314	128.8E6	1107.751	2192.803	#
41)	Toxaphene...	8.529	9.334	733229	65932751	9.936	1026.259	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

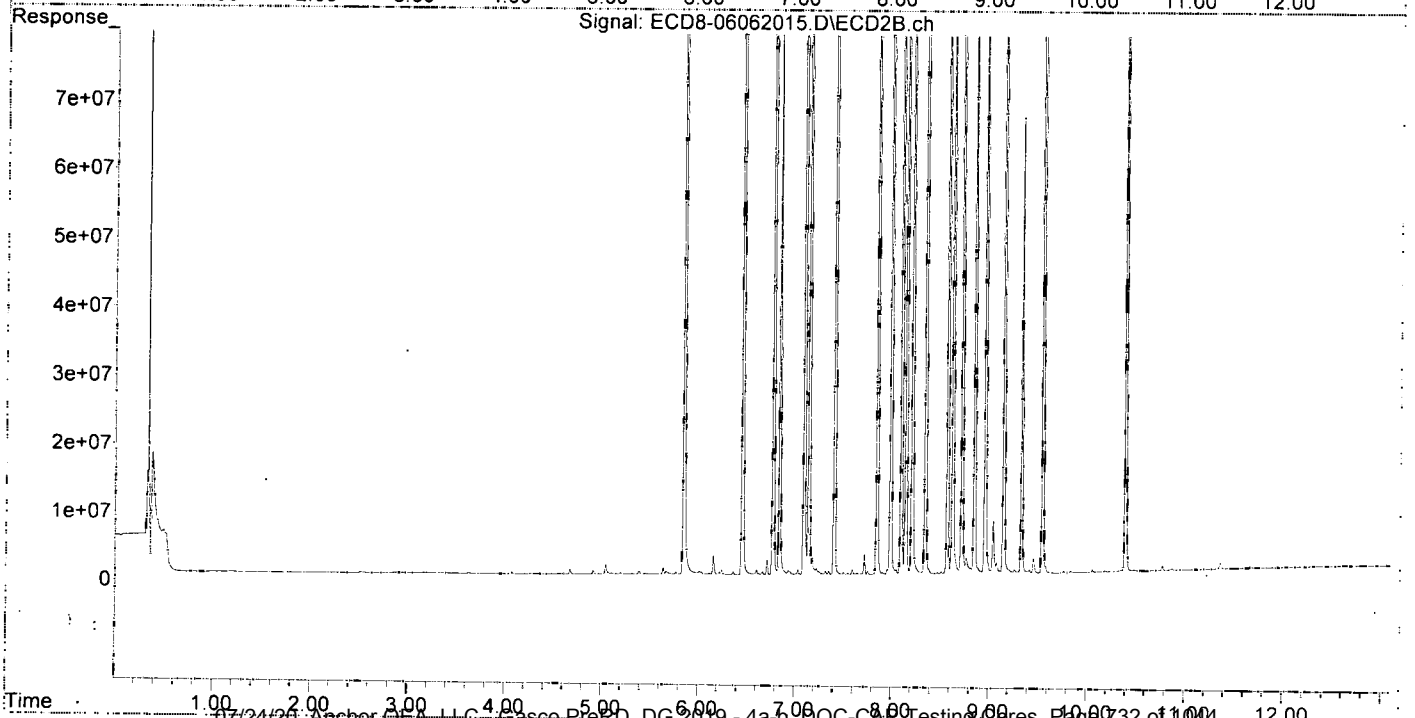
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:36
Operator : MJB
Sample : 0F06008-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:21
Operator : MJB
Sample : 0F06008-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Acan

MJB 6/17/20

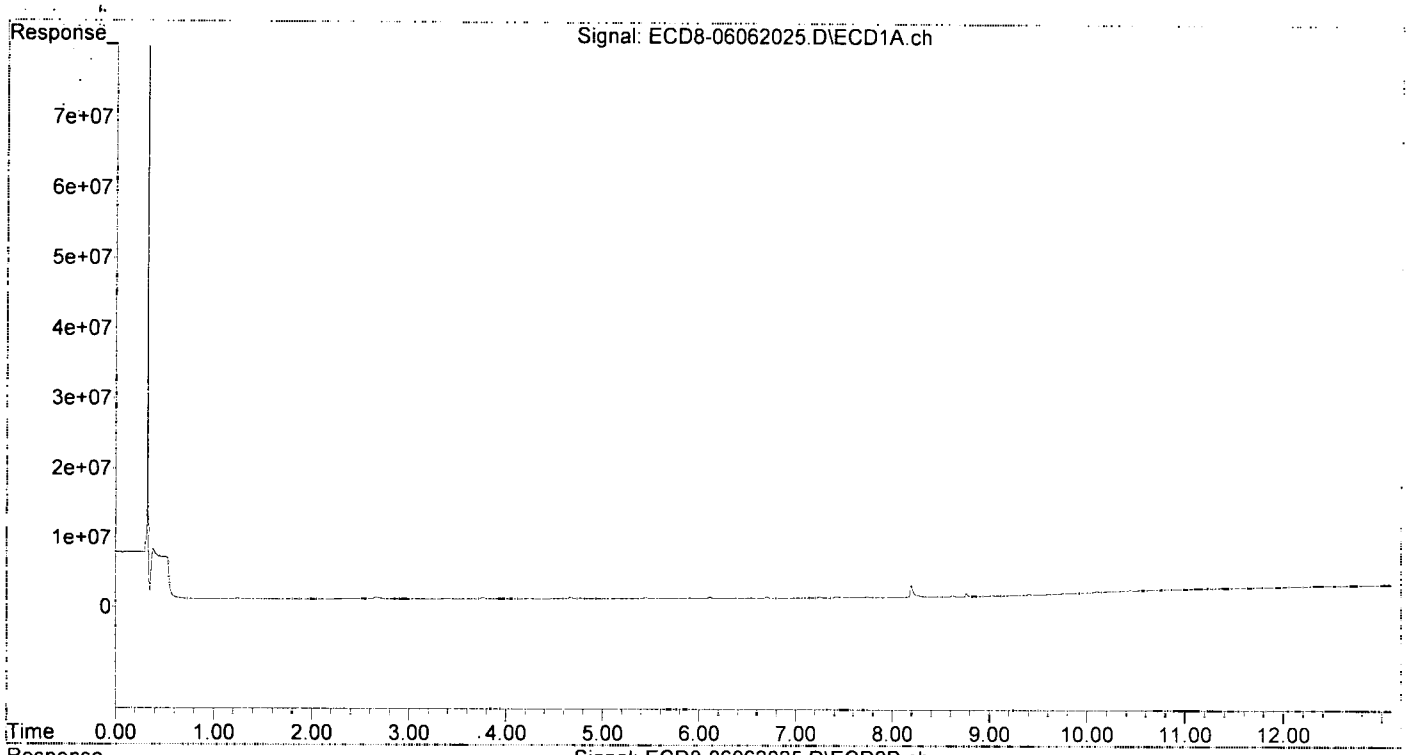
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.835	0	15788	N.D.	0.004	#
22)	S	DCBP (S)	9.480	10.391	31551	28749	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	5.814	6.488f	31603	14318	0.006	0.003	#
3)		g-BHC	6.109	6.795f	168321	6053	0.039	0.001	#
4)		b-BHC	6.173	6.838	5521	37658	0.003	0.021	#
5)		Heptachlor	0.000	7.126	0	233262	N.D.	0.055	#
6)		d-BHC	6.324	7.097	10077	22340	0.036	0.042	
7)		Aldrin	0.000	7.390	0	17234	N.D.	0.004	#
8)		Heptachlo...	7.243f	7.840	167024	10960	0.042	0.003	#
9)		trans-Chl...	0.000	7.987	0	22332	N.D.	0.006	#
10)		cis-Chlor...	7.415	8.060f	140238	323494	BelowCal	0.087	
11)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)		4,4'-DDE	7.452	8.214	76578	8764	0.021	0.009	#
13)		Dieldrin	0.000	8.344	0	11128	N.D.	0.003	#
14)		Endrin	7.858f	8.579	20851	17603	0.006	0.006	
15)		4,4'-DDD	7.862f	8.617	22681	27586	0.008	BelowCal	#
16)		Endosulfa...	7.988	8.723	17017	24764	0.006	0.008	#
17)		4,4'-DDT	8.084	8.880f	15293	309847	0.016	0.086	#
18)		Endrin Al...	8.279	8.953	221689	115606	BelowCal	0.040	
19)		Endosulfa...	8.582	9.150	26841	34129	0.009	0.012	#
20)		Methoxychlor	8.405	9.339	47719	17341	BelowCal	BelowCal	
21)		Endrin Ke...	8.764	9.551	496870	39079	0.139	0.012	#
23)		Hexachlor...	3.047	3.538	43840	22506	BelowCal	BelowCal	
24)		Hexachlor...	5.659	6.310	24975	61391	BelowCal	BelowCal	
25)		Oxychlordane	7.132	7.775	20005	13832	BelowCal	BelowCal	
26)		2,4'-DDE	7.243f	7.980	167024	19016	0.070	BelowCal	#
27)		trans-Non...	7.415f	8.056	140238	320537	BelowCal	BelowCal	
28)		2,4'-DDD	7.586	8.355	4837	15262	BelowCal	0.007	
29)		2,4'-DDT	7.737f	8.579	156837	17603	BelowCal	BelowCal	
30)		cis-Nonac...	7.858	8.617	20851	27586	0.005	0.007	#
31)		Mirex	8.526	9.551	54315	39079	BelowCal	BelowCal	
32)		Chlordane...	0.000	7.987	0	22332	N.D.	0.052	#
33)		Chlordane...	7.415	8.060f	140238	323494	0.273	0.887	#
34)		Chlordane...	7.949	8.737	18848	5952	0.146	0.050	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.415f	8.327	140238	10550	4.700	0.322	#
37)		Toxaphene...	0.000	8.668	0	7041	N.D.	0.165	#
38)		Toxaphene...	7.988	8.723	17017	24764	0.235	0.392	#
39)		Toxaphene...	8.194f	8.774	1798095	1608085	20.050	BelowCal	#
40)		Toxaphene...	0.000	8.953	0	115606	N.D.	1.969	#
41)		Toxaphene...	8.526	9.339	54315	17341	0.736	0.270	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

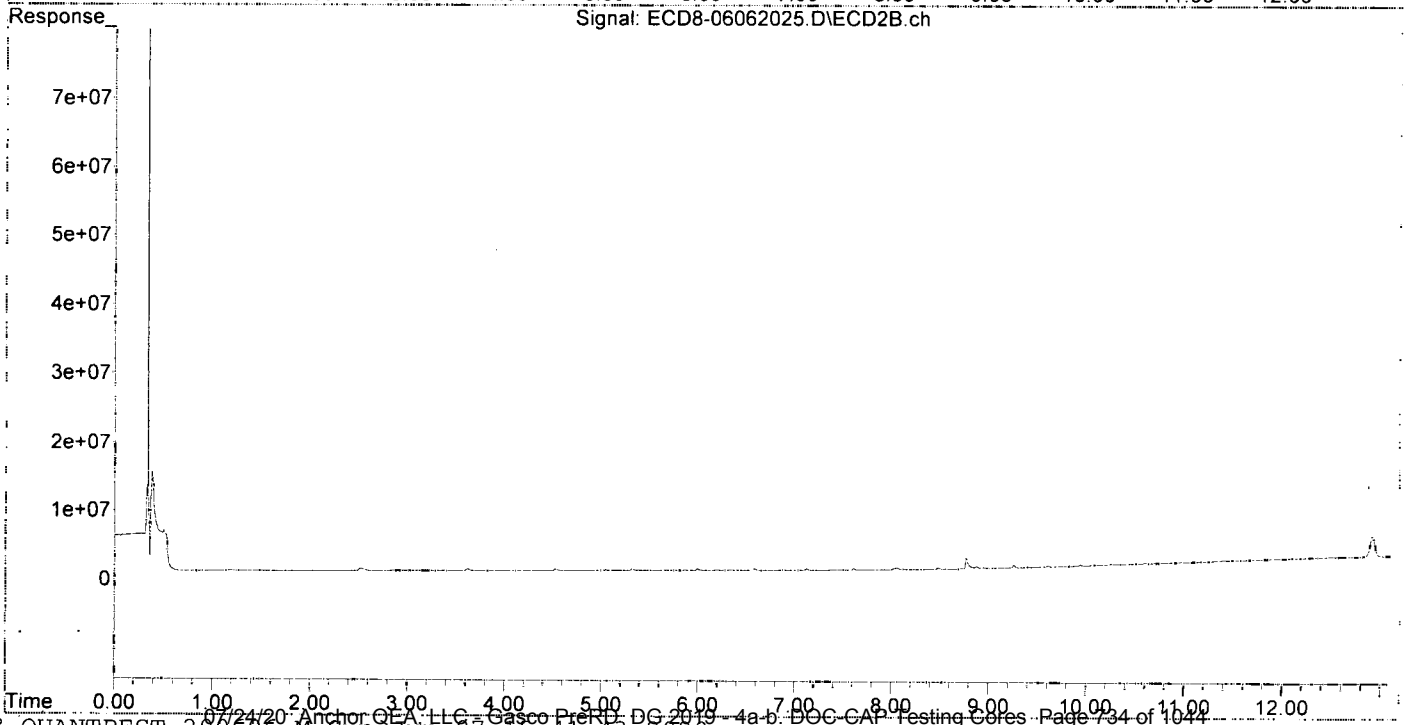
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:21
Operator : MJB
Sample : 0F06008-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:38
Operator : MJB
Sample : 0F06008-ICV2
Misc : A20C360, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

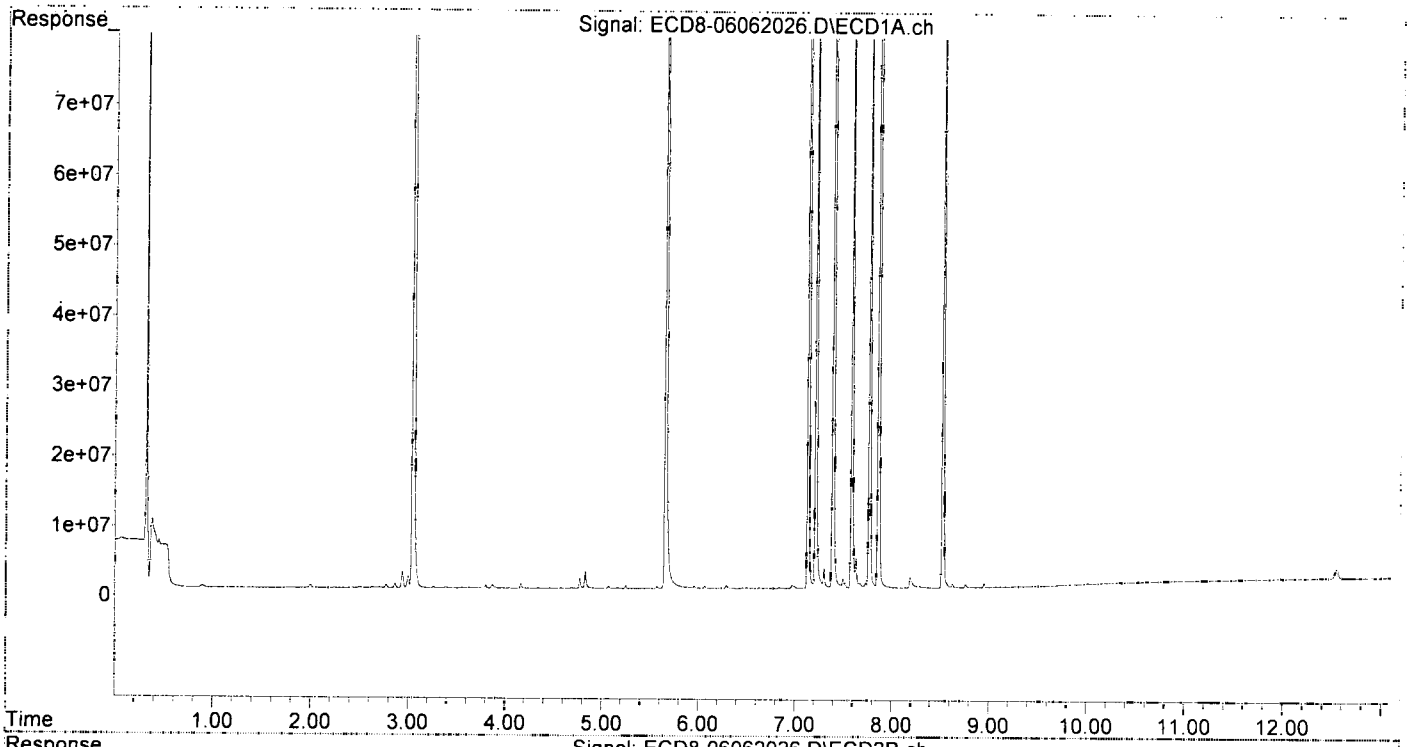
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.250f	5.860	413619	175639	0.113	0.049	#
22)	S	DCBP (S)	0.000	10.391	0	8525	N.D.	BelowCal	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	6.068f	6.808f	334605	48239	0.078	0.011	#
4)		b-BHC	6.165	6.842	38677	31257	0.021	0.017	
5)		Heptachlor	6.505	7.142	121164	107130	0.031	0.025	
6)		d-BHC	6.291f	7.098	461755	129813	0.168	0.071	#
7)		Aldrin	6.757	7.401	14174	21157	0.003	0.005	#
8)		Heptachlo...	7.213	0.000	119.2E6	0	30.174	N.D.	#
9)		trans-Chl...	7.302	7.984	2872134	120.9E6	0.714	31.656	#
10)		cis-Chlor...	7.391	8.095	190.6E6	6554015	50.661	1.759	#
11)		Endosulfa...	7.499	8.160	1469320	383686	0.399	0.113	#
12)		4,4'-DDE	7.477	8.206	469384	368510	0.128	0.117	
13)		Dieldrin	7.672	8.358	713651	106.3E6	0.177	27.568	#
14)		Endrin	7.861f	8.581	204.6E6	118.3E6	60.621	40.026	#
15)		4,4'-DDD	7.861f	8.617	204.6E6	202.9E6	71.698	68.089	
16)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)		4,4'-DDT	8.085	8.850	66429	185368	0.038	0.036	
18)		Endrin Al...	8.289	8.963	247226	101765	BelowCal	0.035	
19)		Endosulfa...	0.000	9.151	0	24425	N.D.	0.008	#
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	8.764	9.536	480975	119.3E6	0.135	35.533	#
23)		Hexachlor...	3.048	3.534	194.6E6	231.1E6	51.456	52.545	
24)		Hexachlor...	5.657	6.313	169.2E6	162.6E6	53.491	52.946	
25)		Oxychlordane	7.135	7.775	173.2E6	163.2E6	53.714	53.481	
26)		2,4'-DDE	7.213	7.984	119.2E6	120.9E6	49.826	53.481	
27)		trans-Non...	7.391	8.050	190.6E6	190.4E6	54.116	56.007	
28)		2,4'-DDD	7.586	8.358	102.3E6	106.3E6	52.592	51.140	
29)		2,4'-DDT	7.769	8.581	109.5E6	118.3E6	56.767	57.654	
30)		cis-Nonac...	7.861	8.617	204.6E6	202.9E6	49.751	50.775	
31)		Mirex	8.527	9.536	123.3E6	119.3E6	50.075	51.981	
32)		Chlordane...	7.302	7.984	2872134	120.9E6	6.953	279.043	#
33)		Chlordane...	7.391	8.095	190.6E6	6554015	370.540	17.964	#
34)		Chlordane...	0.000	8.774	0	1617523	N.D.	13.561	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.391	8.358f	190.6E6	106.3E6	9932.520	3239.056	#
37)		Toxaphene...	7.672	0.000	713651	0	18.994	N.D.	#
38)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)		Toxaphene...	8.195f	8.774	1546673	1617523	15.914	BelowCal	#
40)		Toxaphene...	0.000	8.963	0	101765	N.D.	1.733	#
41)		Toxaphene...	8.527	0.000	123.3E6	0	1671.470	N.D.	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

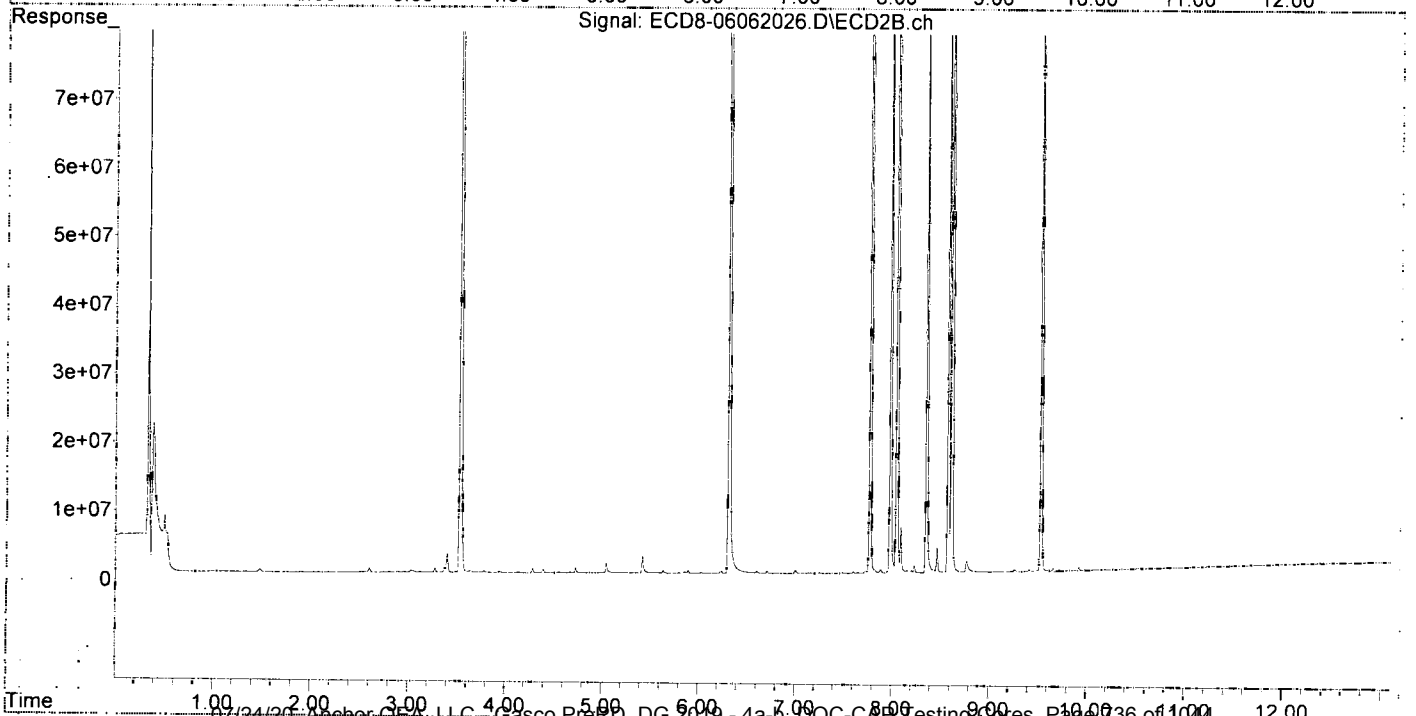
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:38
Operator : MJB
Sample : 0F06008-ICV2
Misc : A20C360, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:50
Operator : MJB
Sample : 0F06008-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

clean
MJB 6/17/20

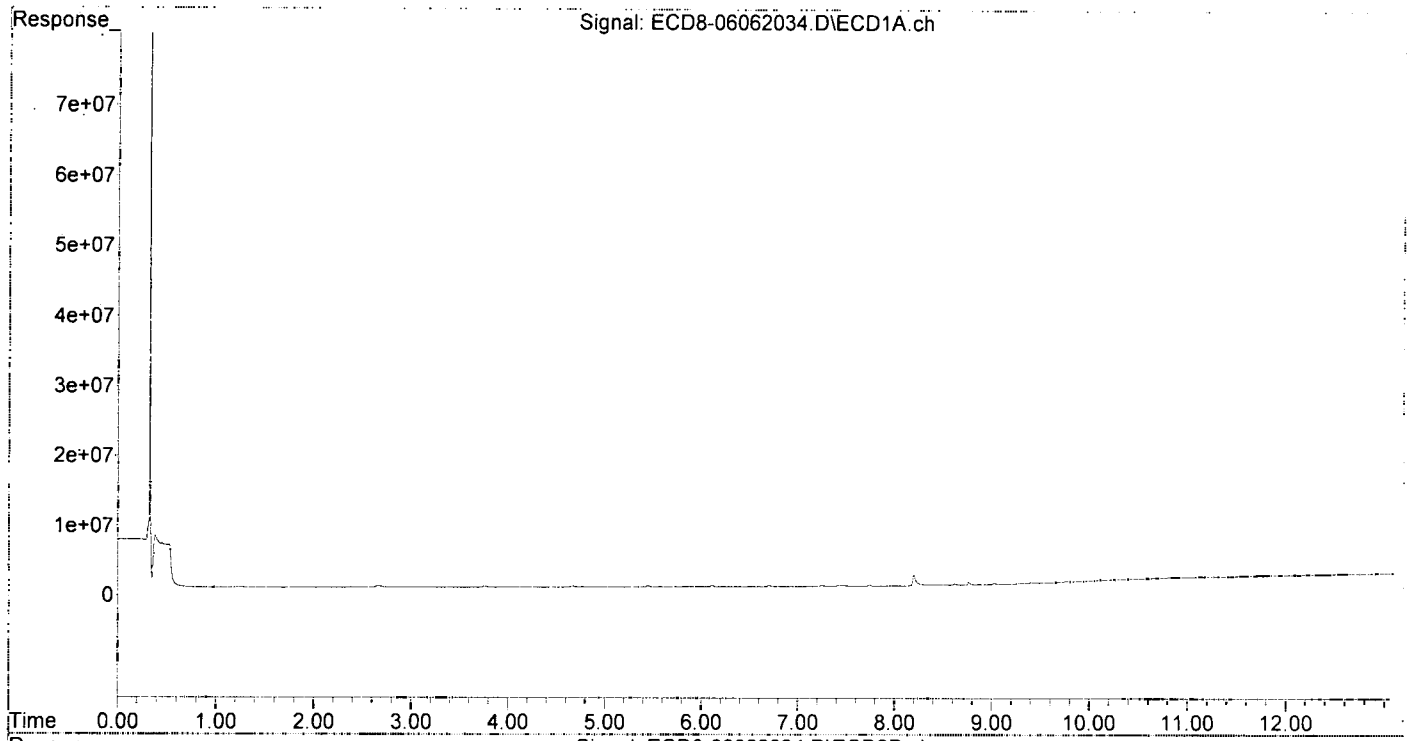
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.844	0	15134	N.D.	0.004	#
22)	S DCBP (S)	9.481	10.389	28358	21381	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.816	6.435	37201	23327	0.008	0.005	#
3)	g-BHC	6.109	0.000	167300	0	0.039	N.D.	#
4)	b-BHC	6.175	6.841	15531	35561	0.009	0.019	#
5)	Heptachlor	0.000	7.127	0	232372	N.D.	0.055	#
6)	d-BHC	6.326	7.127f	6287	232372	0.035	0.098	#
7)	Aldrin	6.706f	7.412	173932	14883	0.040	0.004	#
8)	Heptachlo...	0.000	7.861	0	18619	N.D.	0.005	#
9)	trans-Chl...	7.301	7.984	30926	28507	0.008	0.007	
10)	cis-Chlor...	7.430f	8.060f	125819	324357	BelowCal	0.087	
11)	Endosulfa...	7.506	8.137	38718	23856	0.011	0.007	#
12)	4,4'-DDE	7.454	8.212	101808	8081	0.028	0.008	#
13)	Dieldrin	0.000	8.353	0	10002	N.D.	0.003	#
14)	Endrin	7.827	8.581	9215	15733	0.003	0.005	#
15)	4,4'-DDD	7.859f	8.627	11029	11185	0.004	BelowCal	#
16)	Endosulfa...	7.990	8.719	14318	23420	0.005	0.008	#
17)	4,4'-DDT	8.083	8.882f	14404	315359	0.016	0.089	#
18)	Endrin Al...	8.279	8.957	181157	109389	BelowCal	0.038	
19)	Endosulfa...	8.583	9.150	13759	29048	0.005	0.010	#
20)	Methoxychlor	0.000	9.335	0	15782	N.D.	BelowCal	
21)	Endrin Ke...	8.763	9.550	437445	29053	0.123	0.009	#
23)	Hexachlor...	3.046	3.536	22448	19275	BelowCal	BelowCal	
24)	Hexachlor...	0.000	6.302	0	47356	N.D.	BelowCal	
25)	Oxychlordane	0.000	7.772	0	8886	N.D.	BelowCal	
26)	2,4'-DDE	7.248f	7.984	172267	28507	0.072	BelowCal	#
27)	trans-Non...	7.430f	8.060	125819	324357	BelowCal	BelowCal	
28)	2,4'-DDD	7.560f	8.353	13934	10002	BelowCal	0.005	
29)	2,4'-DDT	7.736f	8.581	157342	15733	BelowCal	BelowCal	
30)	cis-Nonac...	7.859	8.612	11029	15006	0.003	0.004	#
31)	Mirex	8.525	9.527	14497	8160	BelowCal	BelowCal	
32)	Chlordane...	7.301	7.984	30926	28507	0.075	0.066	
33)	Chlordane...	7.430f	8.060f	125819	324357	0.245	0.889	#
34)	Chlordane...	7.950	8.776f	21316	1429068	0.165	11.981	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	8.308	0	19080	N.D.	0.581	#
37)	Toxaphene...	0.000	8.674	0	5170	N.D.	0.121	#
38)	Toxaphene...	7.974	8.719	10252	23420	0.141	0.371	#
39)	Toxaphene...	8.198f	8.776	1548298	1429068	15.941	BelowCal	#
40)	Toxaphene...	8.484f	8.957	13279	109389	0.255	1.863	#
41)	Toxaphene...	8.525	9.335	14497	15782	0.196	0.246	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

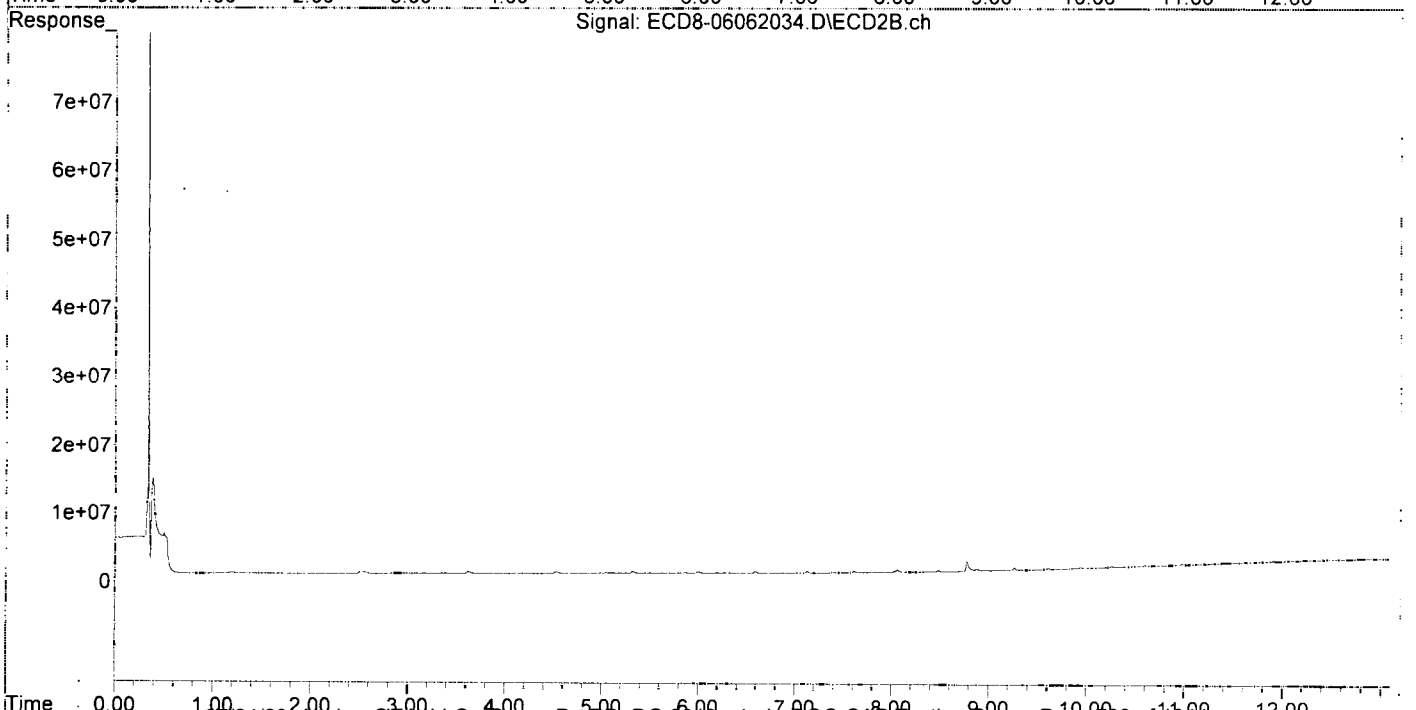
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:50
Operator : MJB
Sample : 0F06008-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:06
Operator : MJB
Sample : 0F06008-ICV3
Misc : A20F062, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MR 6/7/20

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.268	5.858	118341	106616	0.032	0.030	
22)	S	DCBP (S)	9.488	10.407	332774	44590	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	5.800	6.479f	97714	3866664	0.020	0.811	#
3)		g-BHC	6.112	6.777	327667	2303861	0.077	0.540	#
4)		b-BHC	6.170	6.845	573527	223894	0.318	0.122	#
5)		Heptachlor	6.505	7.141	91273094	94632680	23.086	22.333	
6)		d-BHC	6.315	7.078	1317299	594458	0.419	0.196	#
7)		Aldrin	6.748	7.415	1407794	1032501	0.326	0.257	
8)		Heptachlo...	7.216	7.865	15794683	4981292	3.997	1.323	#
9)		trans-Chl...	7.303	7.985	212.4E6	220.5E6	52.782	57.750	
10)		cis-Chlor...	7.396	8.094	263.0E6	183.6E6	69.086	49.282	#
11)		Endosulfa...	7.516f	8.163	5197990	3048005	1.412	0.899	#
12)		4,4'-DDE	7.453	8.214	6050594	4723993	1.651	1.432	
13)		Dieldrin	7.681	8.344	6617599	18642920	1.639	4.835	#
14)		Endrin	7.822	8.588	3469858	2494107	1.028	0.844	
15)		4,4'-DDD	7.861f	8.617	35643996	35932050	12.492	13.344	
16)		Endosulfa...	7.995	8.707	3945826	4973920	1.297	1.645	#
17)		4,4'-DDT	8.118f	8.858	12007366	1673054	5.245	0.635	#
18)		Endrin Al...	8.303f	8.985f	1245428	10228101	0.258	3.535	#
19)		Endosulfa...	8.586	9.151	2492801	176171	0.844	0.059	#
20)		Methoxychlor	8.428	9.327	1132132	183947	0.933	BelowCal	#
21)		Endrin Ke...	8.768	9.548	671356	1887036	0.188	0.562	#
23)		Hexachlor...	0.000	3.559f	0	48760	N.D.	BelowCal	
24)		Hexachlor...	5.633f	6.287f	716156	398938	0.044	BelowCal	#
25)		Oxychlordane	7.128	7.788	1986686	2590491	0.435	0.670	#
26)		2,4'-DDE	7.216	7.985	15794683	220.5E6	6.599	92.913	#
27)		trans-Non...	7.396	8.050	263.0E6	161.6E6	74.095	47.785	#
28)		2,4'-DDD	7.550f	8.344	16141430	18642920	8.423	8.970	
29)		2,4'-DDT	7.790f	8.588	5189040	2494107	2.686	1.181	#
30)		cis-Nonac...	7.861	8.617	35643996	35932050	8.668	8.990	
31)		Mirex	8.523	9.548	333075	1887036	BelowCal	0.558	
32)		Chlordane...	7.303	7.985	212.4E6	220.5E6	514.126	509.055	
33)		Chlordane...	7.396	8.094	263.0E6	183.6E6	511.099	503.258	
34)		Chlordane...	7.944	8.755	65173883	59919264	504.139	502.362	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.368	8.303	30737972	2297259	1870.264	70.009	#
37)		Toxaphene...	7.681	8.674	6617599	5179832	207.098	121.636	#
38)		Toxaphene...	7.995	8.707	3945826	4973920	54.390	78.718	#
39)		Toxaphene...	8.221	8.755	2894828	59919264	38.060	596.169	#
40)		Toxaphene...	8.428	8.927f	1132132	1110584	21.737	18.915	
41)		Toxaphene...	8.523	9.327	333075	183947	4.513	2.863	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

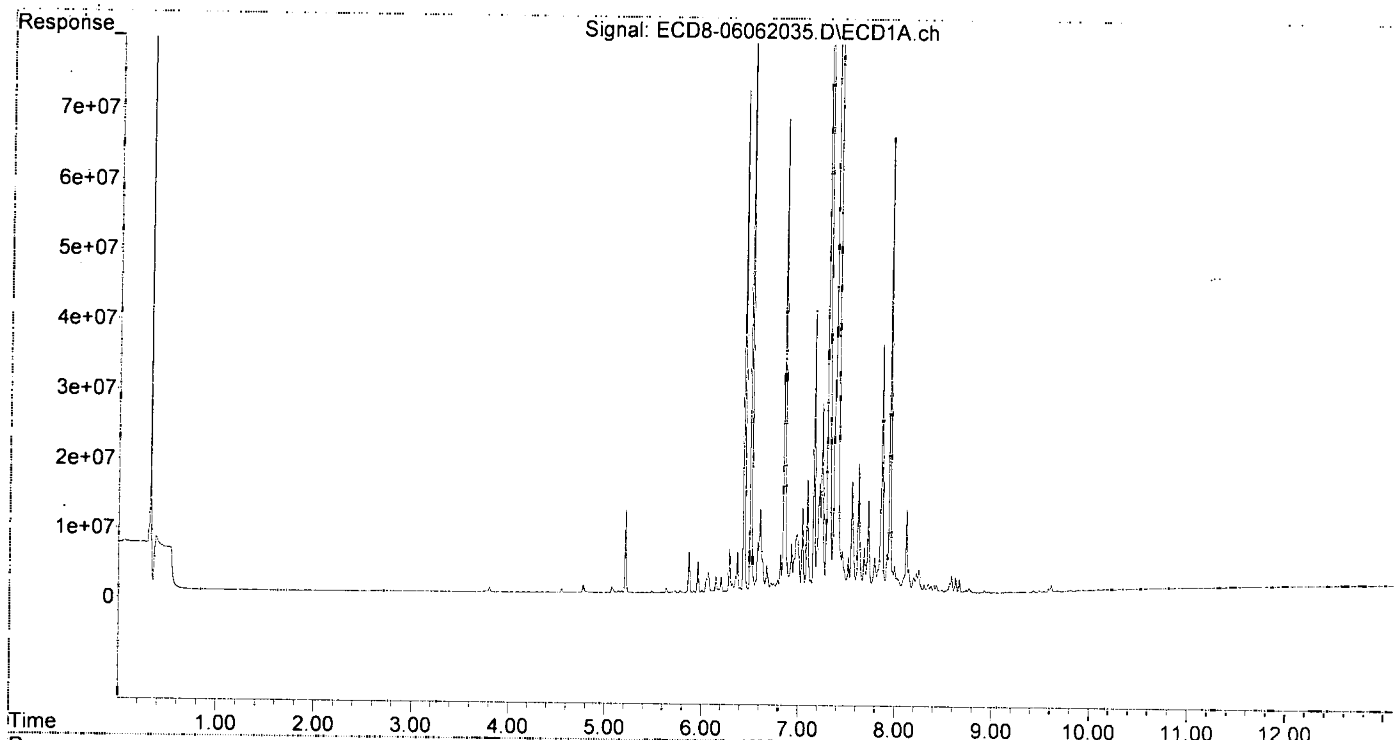
A B
509.79 504.89

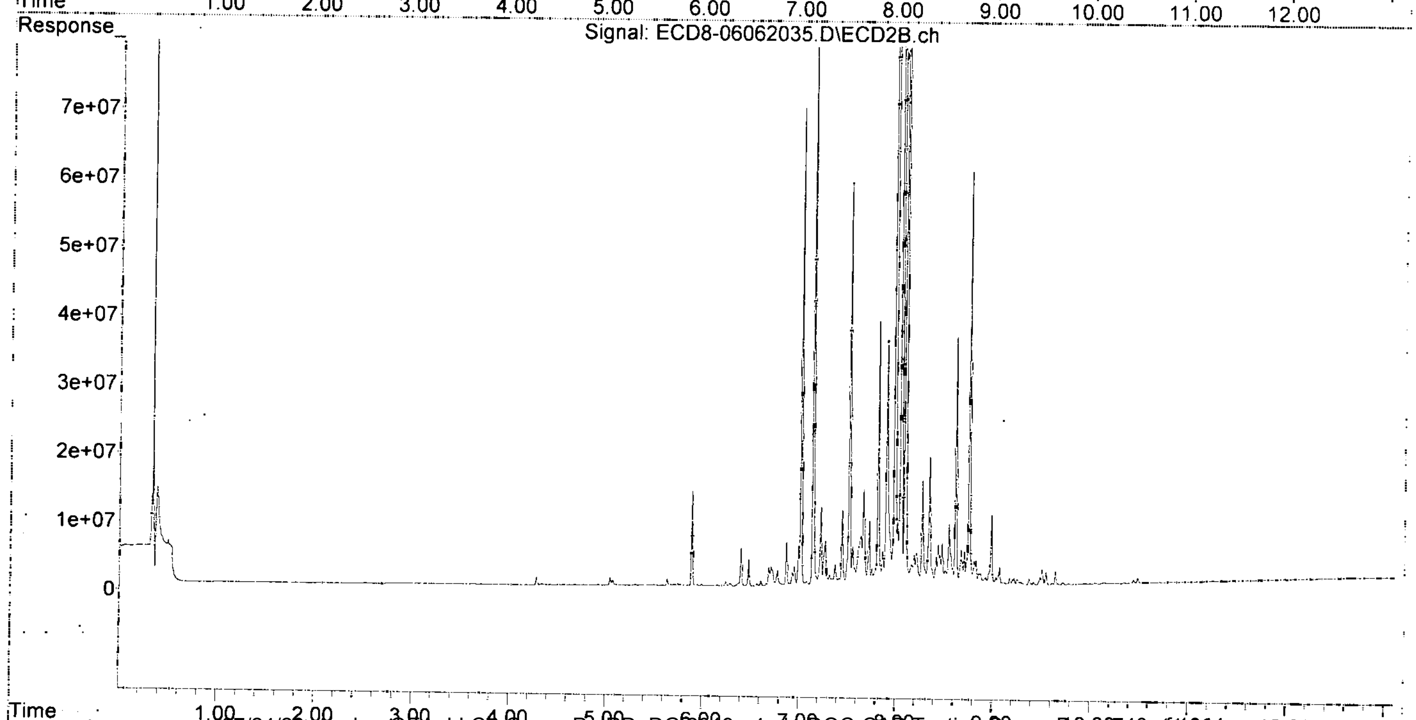
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:06
Operator : MJB
Sample : 0F06008-ICV3
Misc : A20F062, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:18
Operator : MJB
Sample : 0F06008-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Clear

MJB 6/7/20

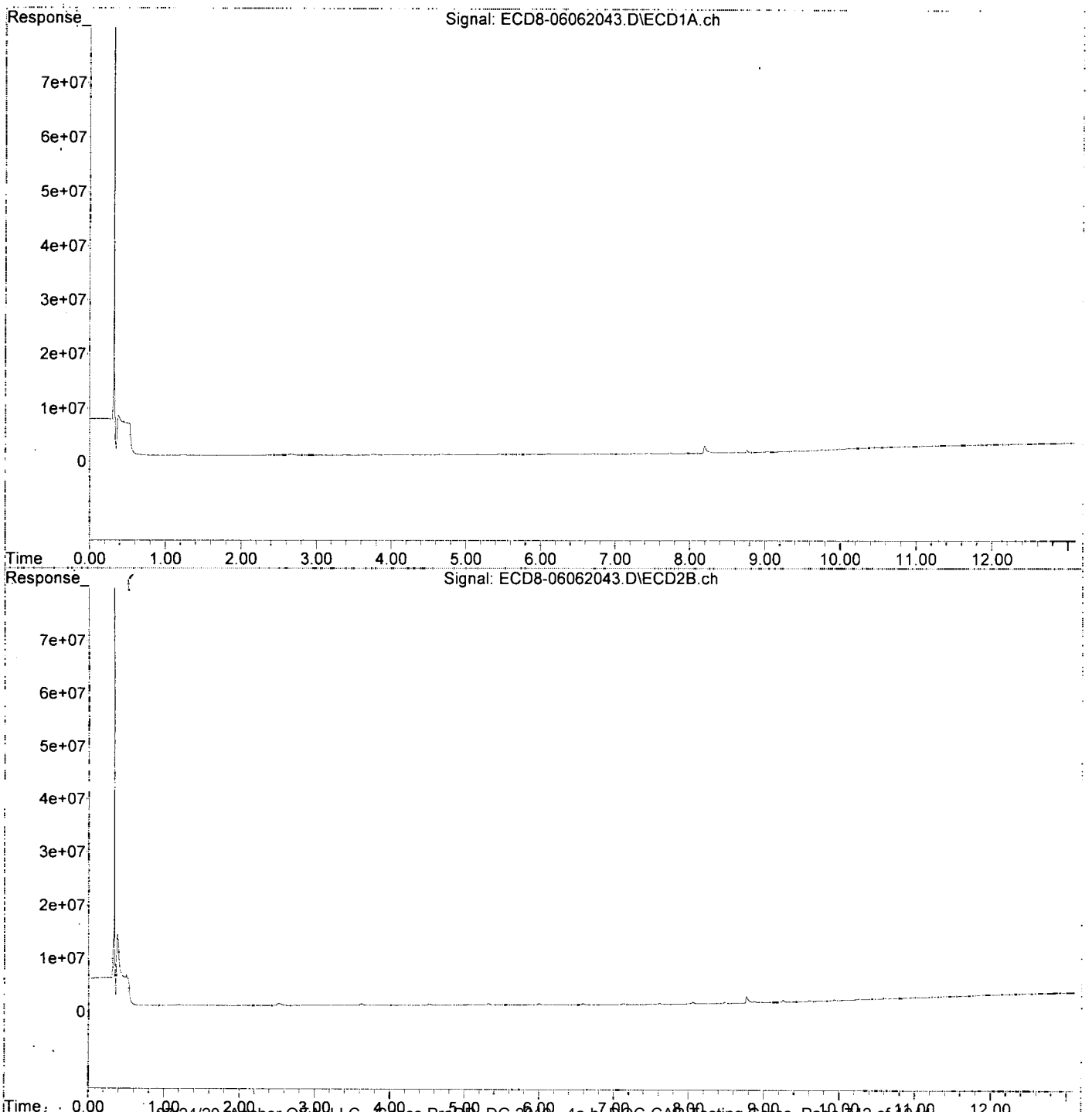
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.843	0	39475	N.D.	0.011	#
22)	S DCBP (S)	9.480	10.378	23534	27577	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.815	6.428f	31712	29237	0.007	0.006	
3)	g-BHC	6.109	0.000	165210	0	0.039	N.D.	#
4)	b-BHC	0.000	6.840	0	33118	N.D.	0.018	#
5)	Heptachlor	0.000	7.124	0	231743	N.D.	0.055	#
6)	d-BHC	6.328	7.089	12524	11524	0.037	0.039	
7)	Aldrin	6.706f	7.397	170074	11350	0.039	0.003	#
8)	Heptachlo...	0.000	7.858	0	22163	N.D.	0.006	#
9)	trans-Chl...	7.297	7.983	16463	15213	0.004	0.004	
10)	cis-Chlor...	7.431f	8.128f	117685	30162	BelowCal	0.008	
11)	Endosulfa...	7.471f	8.141	94668	23719	0.026	0.007	#
12)	4,4'-DDE	7.467	8.202	96612	11007	0.026	0.009	#
13)	Dieldrin	0.000	8.342	0	13238	N.D.	0.003	#
14)	Endrin	0.000	8.569	0	12326	N.D.	0.004	#
15)	4,4'-DDD	0.000	8.640	0	13287	N.D.	BelowCal	
16)	Endosulfa...	7.986	8.720	16324	19329	0.005	0.006	
17)	4,4'-DDT	8.059f	8.879f	13384	315697	0.015	0.089	#
18)	Endrin Al...	8.275	8.953	232225	108777	BelowCal	0.038	
19)	Endosulfa...	8.581	9.147	21337	28497	0.007	0.010	#
20)	Methoxychlor	0.000	9.334	0	19975	N.D.	BelowCal	
21)	Endrin Ke...	8.764	9.546	445772	31345	0.125	0.009	#
23)	Hexachlor...	3.046	3.536	43285	18800	BelowCal	BelowCal	
24)	Hexachlor...	0.000	6.315	0	43327	N.D.	BelowCal	
25)	Oxychlordane	0.000	7.768	0	8422	N.D.	BelowCal	
26)	2,4'-DDE	7.246f	7.983	170033	15213	0.071	BelowCal	#
27)	trans-Non...	0.000	8.058	0	320653	N.D.	BelowCal	
28)	2,4'-DDD	0.000	8.364	0	12541	N.D.	0.006	#
29)	2,4'-DDT	7.741f	8.585	156682	11096	BelowCal	BelowCal	
30)	cis-Nonac...	0.000	8.593f	0	12167	N.D.	0.003	#
31)	Mirex	0.000	9.528	0	10224	N.D.	BelowCal	
32)	Chlordane...	7.297	7.983	16463	15213	0.040	0.035	
33)	Chlordane...	7.431f	8.128f	117685	30162	0.229	0.083	#
34)	Chlordane...	7.948	8.776f	18424	1293246	0.143	10.843	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	8.315	0	18715	N.D.	0.570	#
37)	Toxaphene...	0.000	8.676	0	5543	N.D.	0.130	#
38)	Toxaphene...	7.977	8.714	13599	21495	0.187	0.340	#
39)	Toxaphene...	8.198f	8.776	1398722	1293246	13.480	BelowCal	#
40)	Toxaphene...	0.000	8.953	0	108777	N.D.	1.853	#
41)	Toxaphene...	0.000	9.334	0	19975	N.D.	0.311	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:18
Operator : MJB
Sample : 0F06008-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:41:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:35
Operator : MJB
Sample : 0F06008-ICV4
Misc : A20F067, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:42:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.292	5.859	16079	49096	0.004	0.014	#
22)	S DCBP (S)	9.474	10.371f	629829	701789	0.009	0.108	#
	Target Compounds							
2)	a-BHC	5.814	6.454	62700	66019	0.013	0.014	
3)	g-BHC	6.082	6.765	29315	105702	0.007	0.025	#
4)	b-BHC	6.169	6.840	86250	75297	0.048	0.041	
5)	Heptachlor	6.506	7.145	344329	330289	0.087	0.078	
6)	d-BHC	6.305	7.084	98238	211151	0.062	0.092	#
7)	Aldrin	6.745	7.435f	840054	1053673	0.195	0.263	#
8)	Heptachlo...	7.209	7.838	2934492	4494835	0.743	1.194	#
9)	trans-Chl...	7.287	7.991	4040430	3753283	1.004	0.983	
10)	cis-Chlor...	7.375f	8.075	8114445	4797296	2.031	1.288	#
11)	Endosulfa...	7.499	8.150	10244346	6713163	2.783	1.979	#
12)	4,4'-DDE	7.473	8.212	5309130	8259797	1.449	2.495	#
13)	Dieldrin	7.669	8.361	15960679	8393098	3.954	2.177	#
14)	Endrin	7.813	8.567	12994161	14105961	3.851	4.771	
15)	4,4'-DDD	7.898	8.619	14306486	10908682	5.014	4.111	
16)	Endosulfa...	7.980	8.704	36577326	31106443	12.021	10.287	
17)	4,4'-DDT	8.063	8.831	31590966	13573201	13.592	5.371	#
18)	Endrin Al...	8.269	8.951	24684001	30428314	8.836	10.517	
19)	Endosulfa...	8.585	9.148	13760643	13171920	4.659	4.442	
20)	Methoxychlor	8.420	9.329	11786436	32591300	10.879	25.845	#
21)	Endrin Ke...	8.769	9.575f	9846944	6576777	2.761	1.958	#
23)	Hexachlor...	0.000	3.559f	0	18232	N.D.	BelowCal	
24)	Hexachlor...	5.693f	6.304	25420	23625	BelowCal	BelowCal	
25)	Oxychlordane	7.138	7.790	6537999	3649562	1.879	1.032	#
26)	2,4'-DDE	7.209	7.991	2934492	3753283	1.226	1.539	#
27)	trans-Non...	7.375	8.060	8114445	5206395	2.083	1.344	#
28)	2,4'-DDD	7.586	8.361	11298097	8393098	5.847	4.038	#
29)	2,4'-DDT	7.769	8.567	19095755	14105961	10.266	7.385	#
30)	cis-Nonac...	7.856	8.619	23247040	10908682	5.654	2.729	#
31)	Mirex	8.515	9.500f	37471796	7130752	15.052	2.904	#
32)	Chlordane...	7.287	7.991	4040430	3753283	9.782	8.665	
33)	Chlordane...	7.375f	8.075	8114445	4797296	15.771	13.149	
34)	Chlordane...	7.920f	8.772	15894513	53527502	122.949	448.773	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.375	8.322	8114445	15715454	505.297	478.928	
37)	Toxaphene...	7.669	8.670	15960679	21920897	505.603	514.759	
38)	Toxaphene...	7.980	8.704	36577326	31106443	504.193	492.296	
39)	Toxaphene...	8.222	8.772	33140217	53527502	517.625	535.085	
40)	Toxaphene...	8.449	8.951	27542634	30428314	528.810	518.231	
41)	Toxaphene...	8.515	9.329	37471796	32591300	507.773	507.291	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

A B

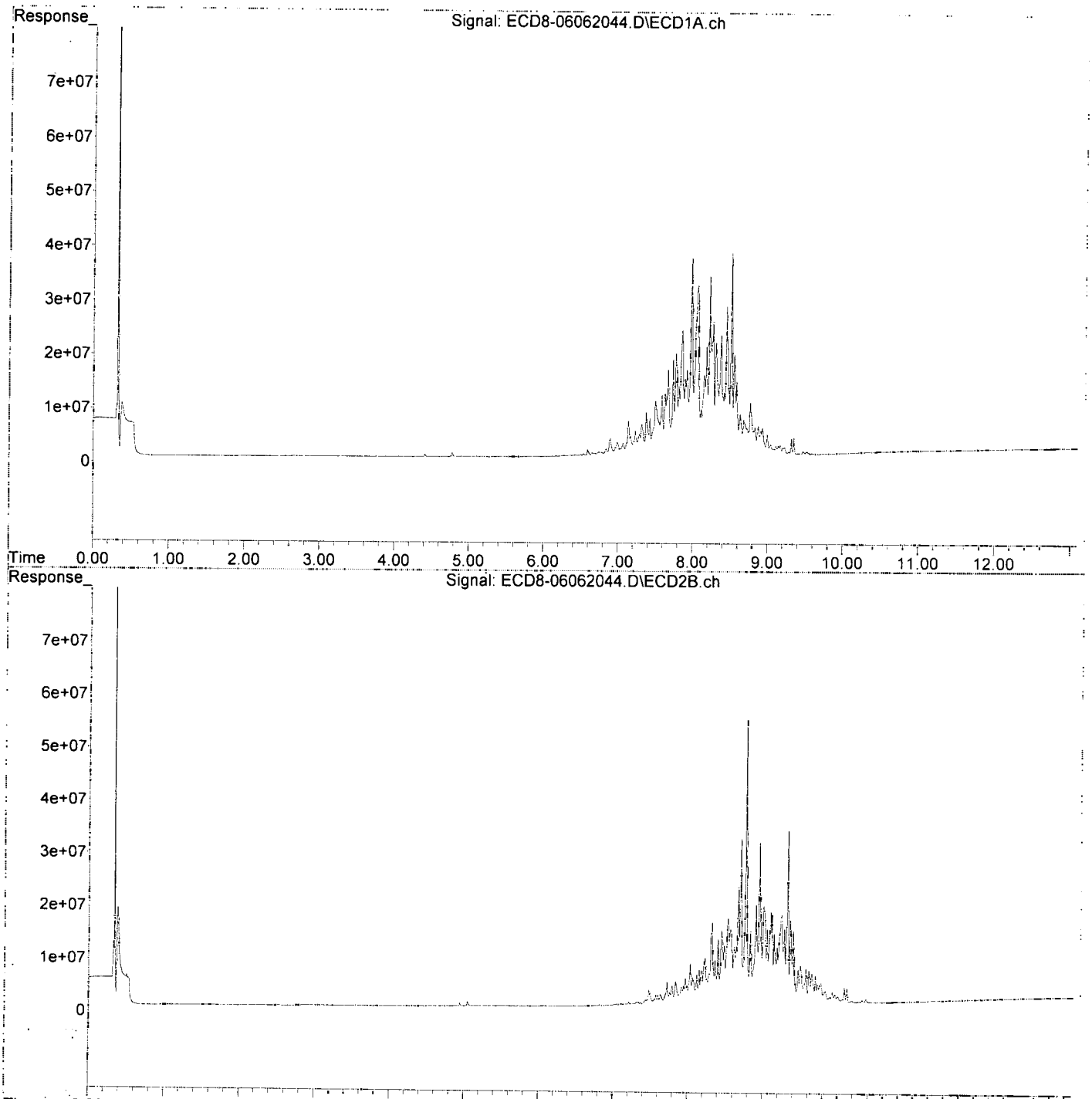
511.55 507.77

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:35
Operator : MJB
Sample : 0F06008-ICV4
Misc : A20F067, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:42:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

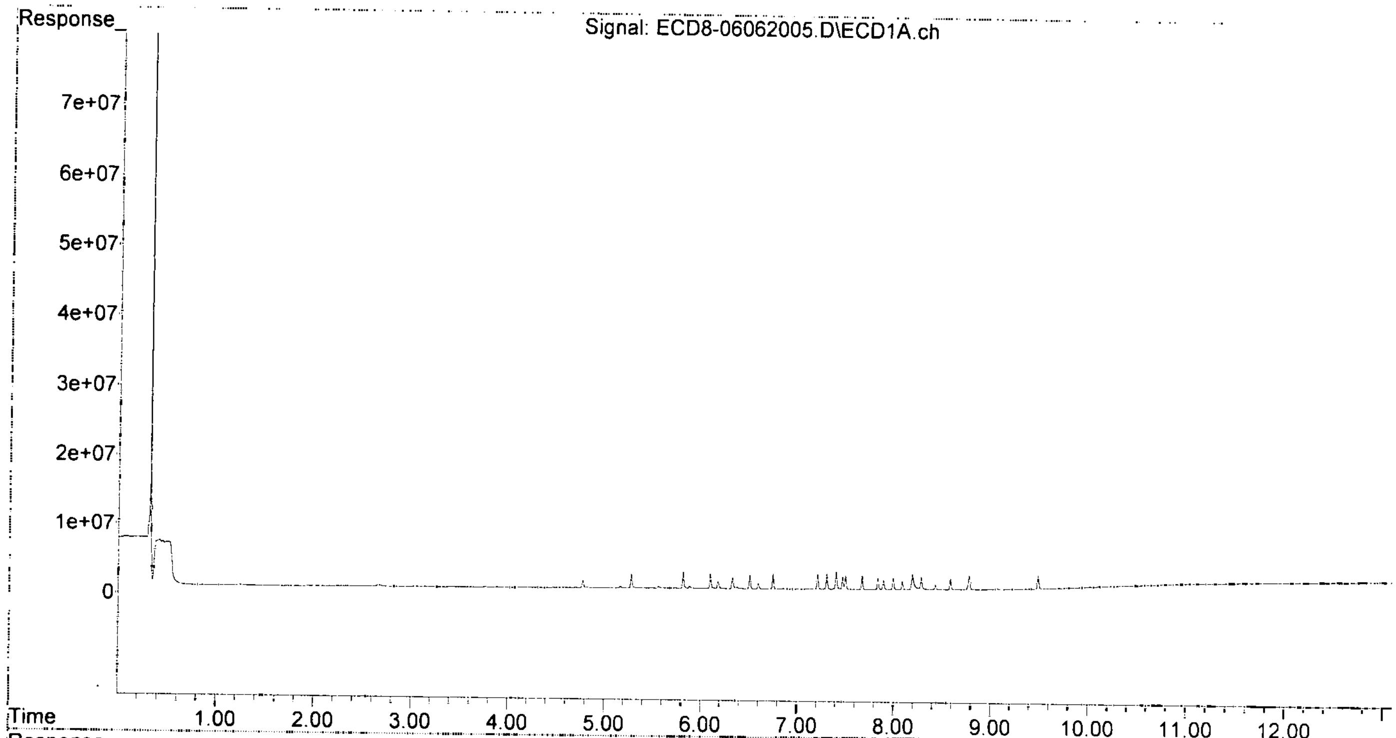
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.275	5.848	2044821	2041136	0.561	0.575	
22)	S DCBP (S)	9.483	10.396	2013031	1600154	0.499	0.503	
	Target Compounds							
2)	a-BHC	5.813	6.454	2436012	2268024	0.500	0.476	
3)	g-BHC	6.095	6.772	2216617	2141693	0.519	0.502	
4)	b-BHC	6.175	6.840	1029510	1069043	0.571	0.585	
5)	Heptachlor	6.506	7.142	2089353	2287728	0.528	0.540	
6)	d-BHC	6.323	7.093	1670301	1786163	0.523	0.516	
7)	Aldrin	6.746	7.406	2216702	2023732	0.514	0.505	
8)	Heptachlo...	7.207	7.847	2242901	2030251	0.568	0.539	
9)	trans-Chl...	7.303	7.987	2326907	2136256	0.578	0.560	
10)	cis-Chlor...	7.399	8.095	2588788	2156882	0.507	0.579	
11)	Endosulfa...	7.496	8.144	2010361	1818776	0.546	0.536	
12)	4,4'-DDE	7.467	8.208	1831508	1713296	0.500	0.524	
13)	Dieldrin	7.669	8.345	2088893	1940818	0.517	0.503	
14)	Endrin	7.832	8.572	1730100	1544731	0.513	0.523	
15)	4,4'-DDD	7.888	8.625	1378674	1433465	0.483	0.524	
16)	Endosulfa...	7.990	8.721	1690214	1615141	0.555	0.534	
17)	4,4'-DDT	8.084	8.851	1176997	1397421	0.527	0.524	
18)	Endrin Al...	8.280	8.960	1879799	1718494	0.491	0.594	
19)	Endosulfa...	8.581	9.151	1642508	1592318	0.556	0.537	
20)	Methoxychlor	8.425	9.335	692268	797429	0.515	0.508	
21)	Endrin Ke...	8.774	9.550	2113749	1919402	0.593	0.571	
23)	Hexachlor...	0.000	3.535	0	62377	N.D.	BelowCal	
24)	Hexachlor...	5.654	6.315	14310	17509	BelowCal	BelowCal	
25)	Oxychlordane	7.124	7.788	29560	26907	BelowCal	BelowCal	
26)	2,4'-DDE	7.207	7.987	2242901	2136256	0.937	0.768	
27)	trans-Non...	7.399	8.050	2588788	246480	0.469	BelowCal	#
28)	2,4'-DDD	0.000	8.345	0	1940818	N.D.	0.934	#
29)	2,4'-DDT	7.770	8.572	25341	1544731	BelowCal	0.667	
30)	cis-Nonac...	7.862	8.625	85323	1433465	0.021	0.359	#
31)	Mirex	8.519	9.550	60729	1919402	BelowCal	0.573	
32)	Chlordane...	7.303	7.987	2326907	2136256	5.633	4.932	
33)	Chlordane...	7.399	8.095	2588788	2156882	5.032	5.912	
34)	Chlordane...	7.945	8.768	76504	2400678	0.592	20.127	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.368	8.345f	55272	1940818	BelowCal	59.146	
37)	Toxaphene...	7.669	8.669	2088893	27168	62.774	0.638	#
38)	Toxaphene...	7.990	8.721	1690214	1615141	23.298	25.562	
39)	Toxaphene...	8.187f	8.768	2334081	2400678	28.857	8.157	#
40)	Toxaphene...	8.425f	8.960	692268	1718494	13.291	29.268	#
41)	Toxaphene...	8.519	9.335	60729	797429	0.823	12.412	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

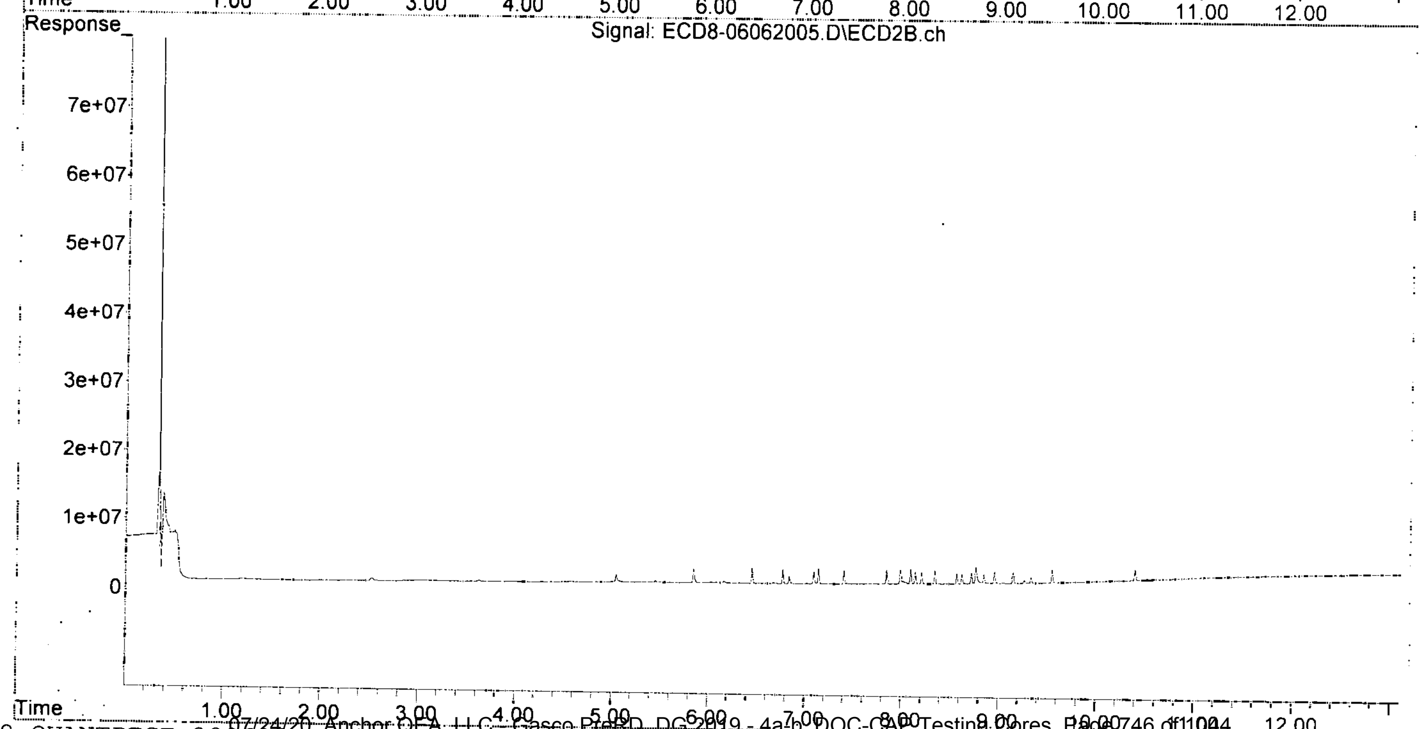
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:07
Operator : MJB
Sample : 0F06008-CAL2
Misc : A20F081, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

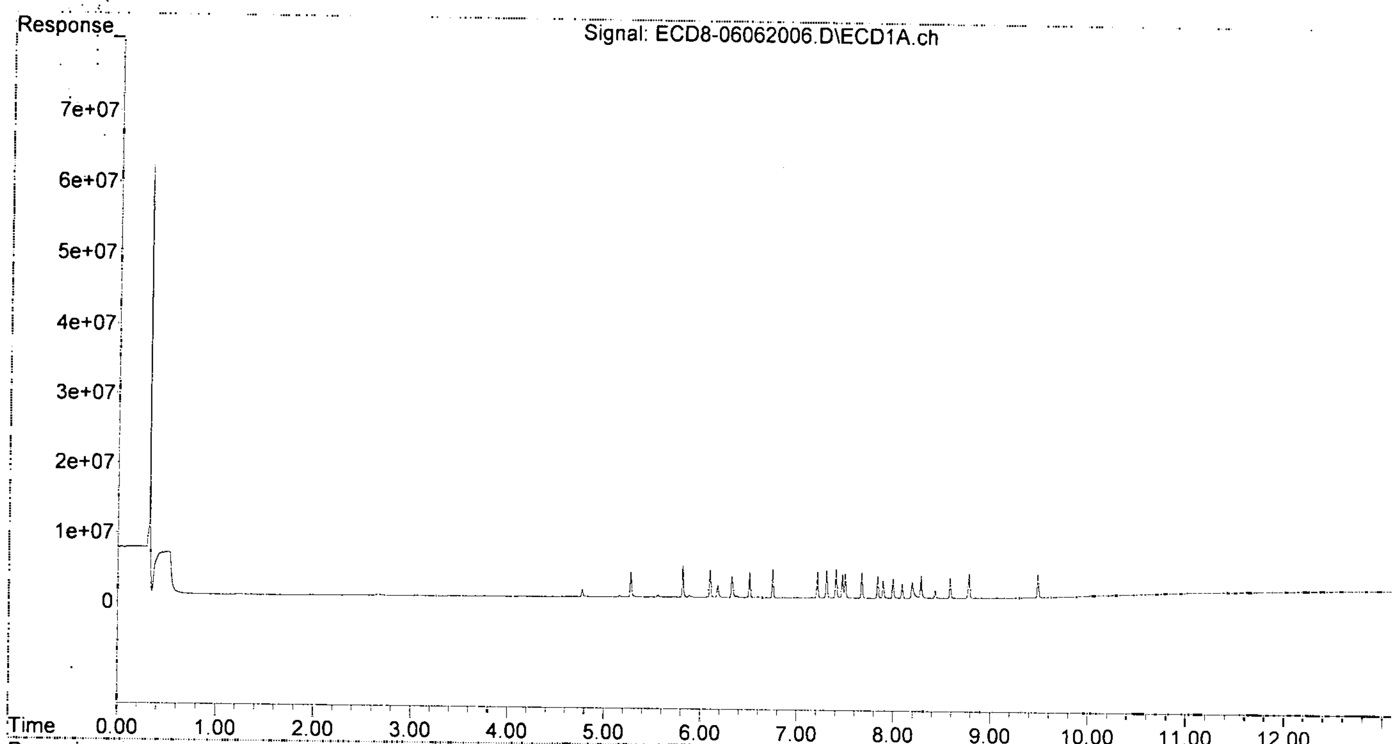
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.274	5.848	3739252	3664569	1.025	1.032	
22)	S DCBP (S)	9.482	10.396	3476866	2732738	1.018	1.001	
	Target Compounds							
2)	a-BHC	5.813	6.453	4659043	4299192	0.956	0.902	
3)	g-BHC	6.095	6.772	4062836	3939884	0.951	0.923	
4)	b-BHC	6.174	6.840	1828397	1906857	1.014	1.043	
5)	Heptachlor	6.505	7.143	3783244	4131038	0.957	0.975	
6)	d-BHC	6.322	7.093	3147880	3488504	0.955	0.974	
7)	Aldrin	6.745	7.407	4211391	3671024	0.977	0.915	
8)	Heptachlo...	7.207	7.847	3938014	3756308	0.996	0.998	
9)	trans-Chl...	7.303	7.987	4057330	3714650	1.008	0.973	
10)	cis-Chlor...	7.400	8.095	4334731	3732649	0.989	1.002	
11)	Endosulfa...	7.496	8.144	3674308	3245203	0.998	0.957	
12)	4,4'-DDE	7.466	8.208	3469480	3125539	0.947	0.950	
13)	Dieldrin	7.667	8.345	3834504	3631612	0.950	0.942	
14)	Endrin	7.832	8.572	3239569	2729745	0.960	0.923	
15)	4,4'-DDD	7.887	8.625	2642114	2582156	0.926	0.962	
16)	Endosulfa...	7.989	8.721	2878102	2841269	0.946	0.940	
17)	4,4'-DDT	8.084	8.851	2125504	2507300	0.943	0.970	
18)	Endrin Al...	8.280	8.959	3347299	3154587	1.030	1.090	
19)	Endosulfa...	8.581	9.151	3004760	2906383	1.017	0.980	
20)	Methoxychlor	8.426	9.335	1188720	1407906	0.987	1.015	
21)	Endrin Ke...	8.774	9.551	3683963	3294560	1.033	0.981	
23)	Hexachlor...	0.000	3.534	0	8942	N.D.	BelowCal	
24)	Hexachlor...	5.657	6.322	51039	52595	BelowCal	BelowCal	
25)	Oxychlordane	7.144	7.778	55388	23865	BelowCal	BelowCal	
26)	2,4'-DDE	7.207	7.987	3938014	3714650	1.645	1.521	
27)	trans-Non...	7.400	8.051	4334731	224737	0.979	BelowCal	#
28)	2,4'-DDD	0.000	8.345	0	3631612	N.D.	1.747	#
29)	2,4'-DDT	7.770	8.572	39470	2729745	BelowCal	1.308	
30)	cis-Nonac...	7.887f	8.625	2642114	2582156	0.643	0.646	
31)	Mirex	8.522	9.551	45671	3294560	BelowCal	1.189	
32)	Chlordane...	7.303	7.987	4057330	3714650	9.822	8.576	
33)	Chlordane...	7.400	8.095	4334731	3732649	8.425	10.231	
34)	Chlordane...	7.943	8.768	69924	2345422	0.541	19.664	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.369	8.345f	47770	3631612	BelowCal	110.673	
37)	Toxaphene...	7.667	8.685	3834504	19500	118.376	0.458	#
38)	Toxaphene...	7.989	8.721	2878102	2841269	39.673	44.966	
39)	Toxaphene...	8.187f	8.768	2368017	2345422	29.415	7.544	#
40)	Toxaphene...	8.426f	8.959	1188720	3154587	22.823	53.726	#
41)	Toxaphene...	8.522	9.335	45671	1407906	0.619	21.914	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

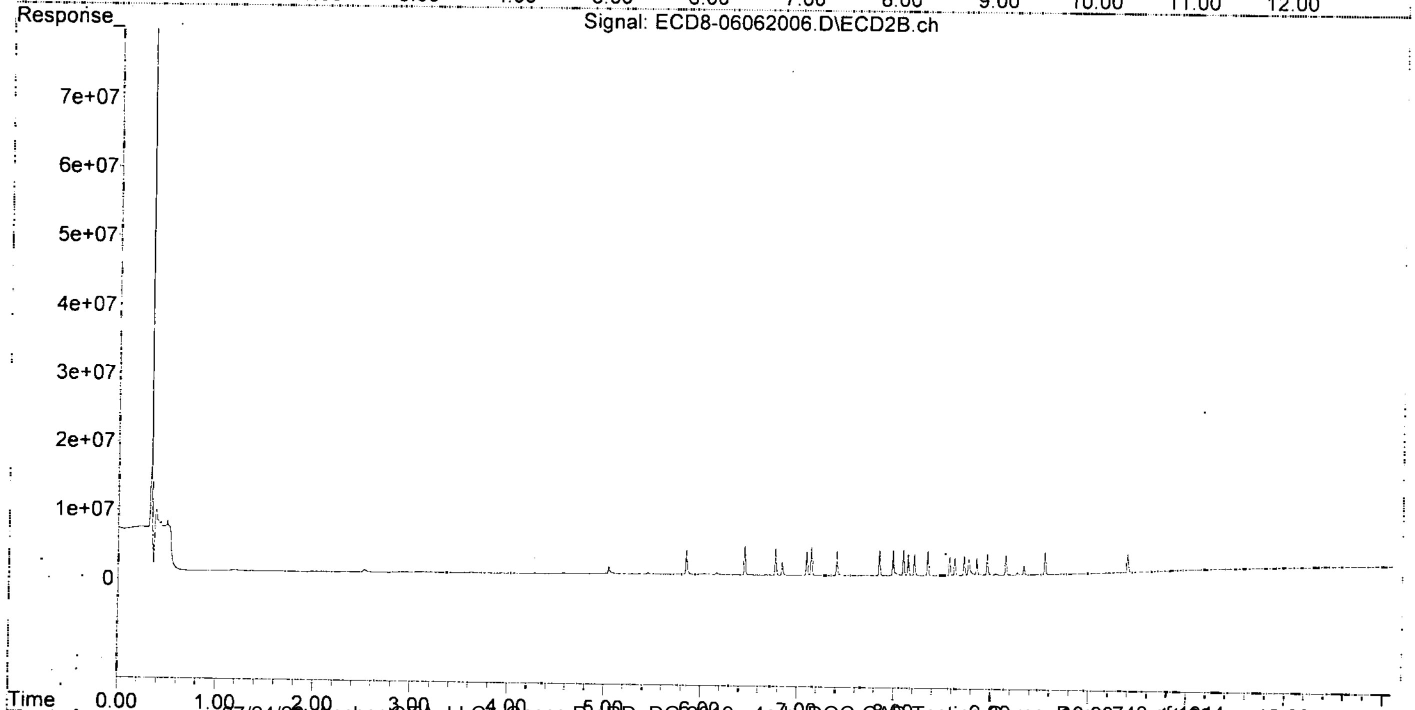
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:07
Operator : MJB
Sample : 0F06008-CAL2
Misc : A20F081, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:24
Operator : MJB
Sample : 0F06008-CAL3
Misc : A20C178, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

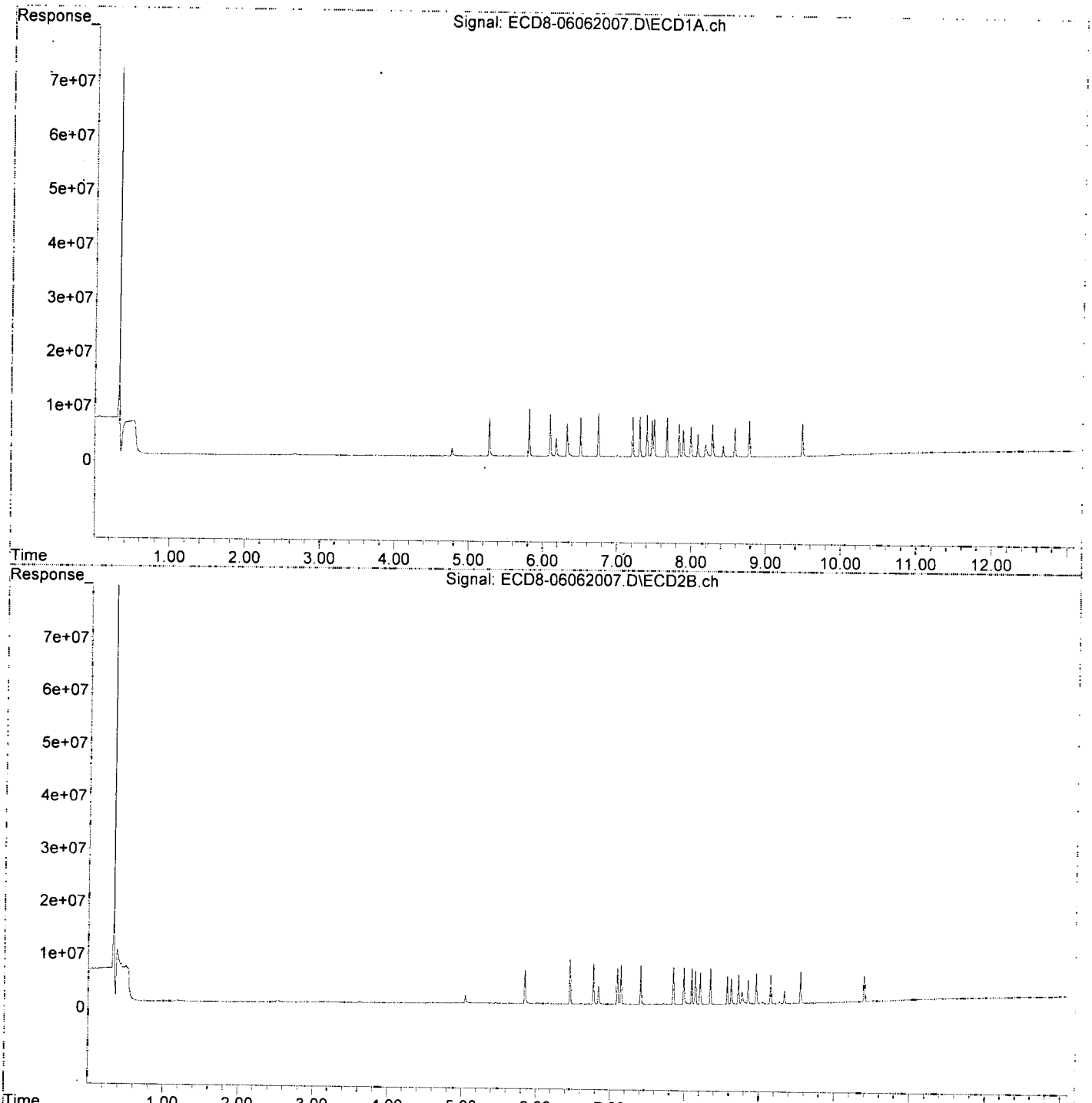
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.275	5.847	6945394	6272971	1.904	1.767	
22)	S DCBP (S)	9.484	10.396	6074784	4898047	1.938	1.951	
	Target Compounds							
2)	a-BHC	5.813	6.454	8934865	8409840	1.833	1.764	
3)	g-BHC	6.095	6.772	7777680	7617064	1.821	1.784	
4)	b-BHC	6.174	6.840	3383841	3359896	1.877	1.838	
5)	Heptachlor	6.505	7.142	7189639	7559963	1.818	1.784	
6)	d-BHC	6.322	7.094	6132156	6804587	1.827	1.863	
7)	Aldrin	6.744	7.407	8035771	7256390	1.864	1.809	
8)	Heptachlo...	7.207	7.847	7385357	6966527	1.869	1.850	
9)	trans-Chl...	7.303	7.987	7502150	6968284	1.865	1.825	
10)	cis-Chlor...	7.401	8.095	7787006	6943307	1.941	1.864	
11)	Endosulfa...	7.496	8.144	6975798	6290523	1.895	1.854	
12)	4,4'-DDE	7.466	8.208	6724934	6040045	1.835	1.828	
13)	Dieldrin	7.668	8.346	7333173	6890064	1.817	1.787	
14)	Endrin	7.832	8.573	6205989	5322724	1.839	1.800	
15)	4,4'-DDD	7.887	8.626	5043957	4789098	1.768	1.800	
16)	Endosulfa...	7.989	8.722	5561746	5513918	1.828	1.823	
17)	4,4'-DDT	8.084	8.851	4180058	4520922	1.842	1.777	
18)	Endrin Al...	8.280	8.960	6075803	5717746	2.031	1.976	
19)	Endosulfa...	8.582	9.151	5464489	5480703	1.850	1.848	
20)	Methoxychlor	8.426	9.335	2083992	2395626	1.835	1.834	
21)	Endrin Ke...	8.775	9.550	6682577	6009531	1.874	1.789	
23)	Hexachlor...	0.000	3.537	0	54259	N.D.	BelowCal	
24)	Hexachlor...	5.655	6.313	34388	27178	BelowCal	BelowCal	
25)	Oxychlordane	7.142	7.775	39397	18453	BelowCal	BelowCal	
26)	2,4'-DDE	7.207	7.987	7385357	6968284	3.086	3.067	
27)	trans-Non...	7.401	8.047	7787006	176023	1.987	BelowCal	#
28)	2,4'-DDD	0.000	8.346	0	6890064	N.D.	3.315	#
29)	2,4'-DDT	7.771	8.573	60372	5322724	BelowCal	2.706	
30)	cis-Nonac...	7.887f	8.626	5043957	4789098	1.227	1.198	
31)	Mirex	8.530	9.550	54620	6009531	BelowCal	2.403	
32)	Chlordane...	7.303	7.987	7502150	6968284	18.162	16.088	
33)	Chlordane...	7.401	8.095	7787006	6943307	15.135	19.031	#
34)	Chlordane...	0.000	8.769	0	2318766	N.D.	19.440	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.401f	8.346f	7787006	6890064	484.953	209.975	#
37)	Toxaphene...	7.668	8.692f	7333173	25282	229.924	0.594	#
38)	Toxaphene...	7.989	8.692	5561746	25282	76.665	0.400	#
39)	Toxaphene...	8.189f	8.769	2319835	2318766	28.623	7.249	#
40)	Toxaphene...	8.426f	8.960	2083992	5717746	40.012	97.380	#
41)	Toxaphene...	8.530	9.335	54620	2395626	0.740	37.288	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:24
Operator : MJB
Sample : 0F06008-CAL3
Misc : A20C178, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:40
Operator : MJB
Sample : 0F06008-CAL4
Misc : A20C179, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

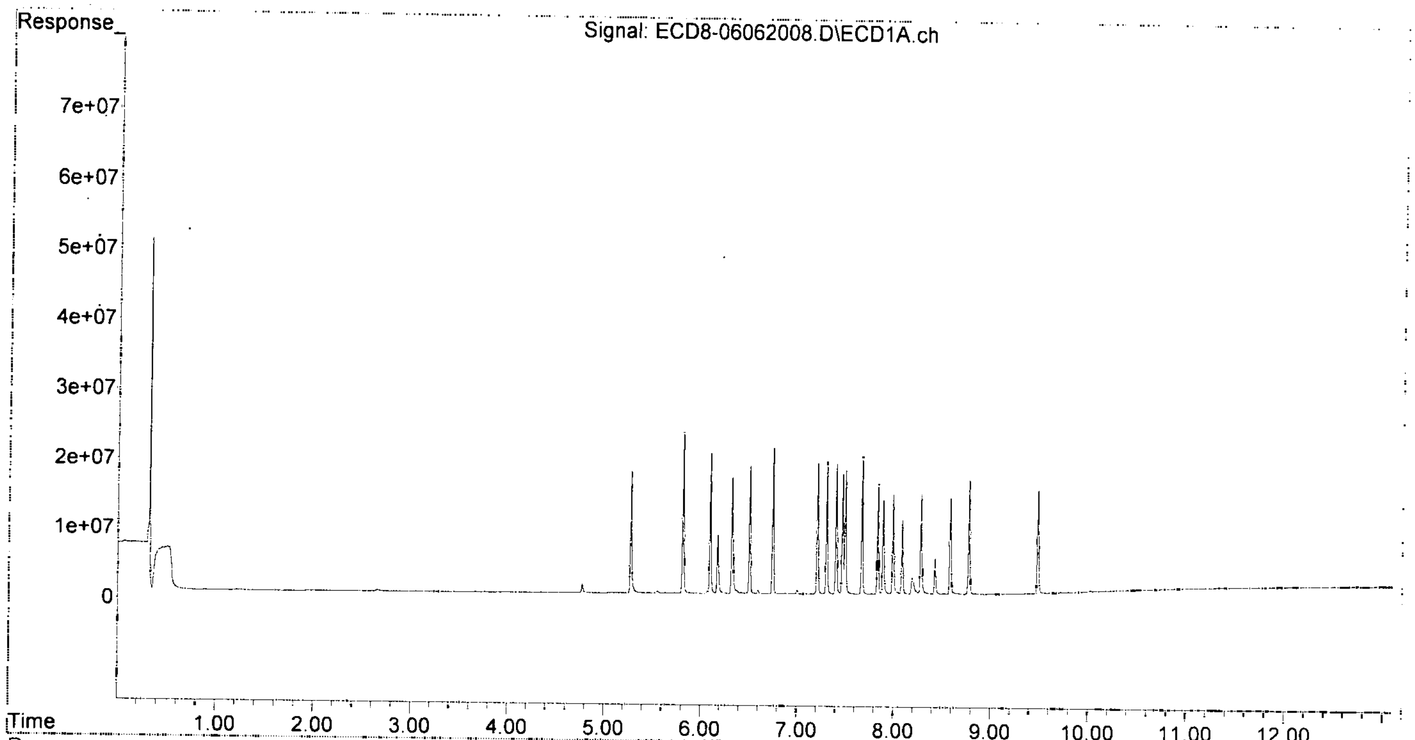
MJB 6/7/20

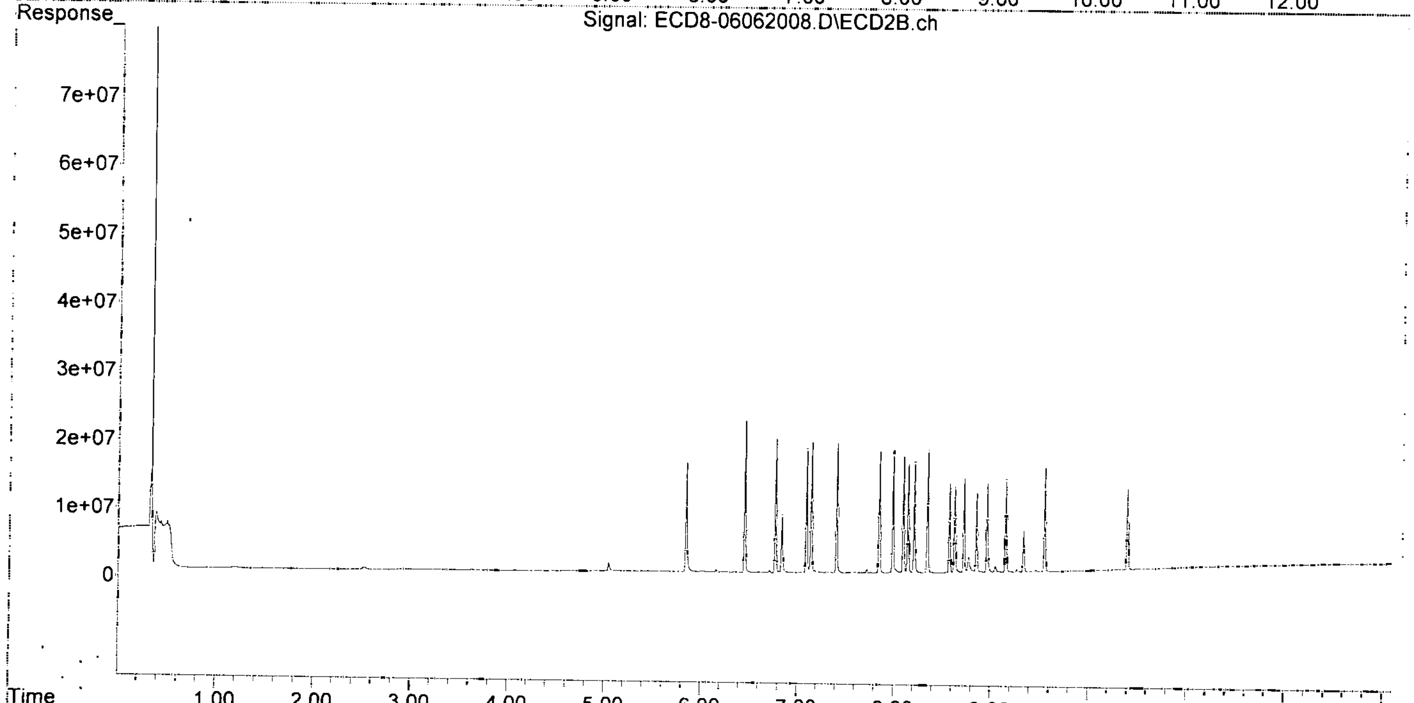
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.275	5.847	17495230	15921287	4.797	4.485	
22)	S DCBP (S)	9.482	10.396	14798076	11787774	5.026	4.962	
	Target Compounds							
2)	a-BHC	5.813	6.454	23225137	22206764	4.766	4.659	
3)	g-BHC	6.096	6.772	20386349	19587830	4.774	4.588	
4)	b-BHC	6.174	6.839	8436819	8320126	4.679	4.552	
5)	Heptachlor	6.505	7.143	18362337	19197024	4.644	4.530	
6)	d-BHC	6.322	7.093	16669350	18089354	4.882	4.869	
7)	Aldrin	6.745	7.407	21091004	18962649	4.891	4.729	
8)	Heptachlo...	7.207	7.847	18818515	17690437	4.762	4.699	
9)	trans-Chl...	7.303	7.987	18917580	17725122	4.702	4.642	
10)	cis-Chlor...	7.400	8.095	18629592	17001909	4.923	4.563	
11)	Endosulfa...	7.496	8.143	17772028	15814187	4.828	4.662	
12)	4,4'-DDE	7.466	8.208	17307228	16121059	4.722	4.844	
13)	Dieldrin	7.668	8.345	19819324	17792473	4.910	4.615	
14)	Endrin	7.832	8.572	15732638	13228080	4.662	4.474	
15)	4,4'-DDD	7.887	8.625	13513169	12540904	4.736	4.723	
16)	Endosulfa...	7.989	8.721	14310412	13915949	4.703	4.602	
17)	4,4'-DDT	8.084	8.850	10621630	11640318	4.645	4.608	
18)	Endrin Al...	8.280	8.960	14148113	12986736	4.988	4.489	
19)	Endosulfa...	8.581	9.151	13776582	13495919	4.665	4.552	
20)	Methoxychlor	8.425	9.335	5153462	5959726	4.725	4.771	
21)	Endrin Ke...	8.774	9.551	16411692	15133071	4.601	4.506	
23)	Hexachlor...	3.045	3.536	55224	16692	BelowCal	BelowCal	
24)	Hexachlor...	5.657	6.341f	41668	63473	BelowCal	BelowCal	
25)	Oxychlordane	7.144	7.755	99965	113402	BelowCal	BelowCal	
26)	2,4'-DDE	7.207	7.987	18818515	17725122	7.863	8.130	
27)	trans-Non...	7.400	0.000	18629592	0	5.146	N.D.	#
28)	2,4'-DDD	0.000	8.345	0	17792473	N.D.	8.561	#
29)	2,4'-DDT	7.771	8.572	117256	13228080	BelowCal	6.921	
30)	cis-Nonac...	7.887f	8.625	13513169	12540904	3.286	3.138	
31)	Mirex	8.529	9.551	114293	15133071	BelowCal	6.475	
32)	Chlordane...	7.303	7.987	18917580	17725122	45.798	40.922	
33)	Chlordane...	7.400	8.095	18629592	17001909	36.209	46.601	#
34)	Chlordane...	0.000	8.768	0	2290454	N.D.	19.203	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.400f	8.345f	18629592	17792473	1149.403	542.225	#
37)	Toxaphene...	7.668	0.000	19819324	0	629.183	N.D.	#
38)	Toxaphene...	7.989	8.721	14310412	13915949	197.259	220.236	
39)	Toxaphene...	8.190f	8.768	2388939	2290454	29.758	6.935	#
40)	Toxaphene...	8.425f	8.960	5153462	12986736	98.945	221.180	#
41)	Toxaphene...	8.529	9.335	114293	5959726	1.549	92.765	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:40
Operator : MJB
Sample : 0F06008-CAL4
Misc : A20C179, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:57
Operator : MJB
Sample : 0F06008-CAL5
Misc : A20C180, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

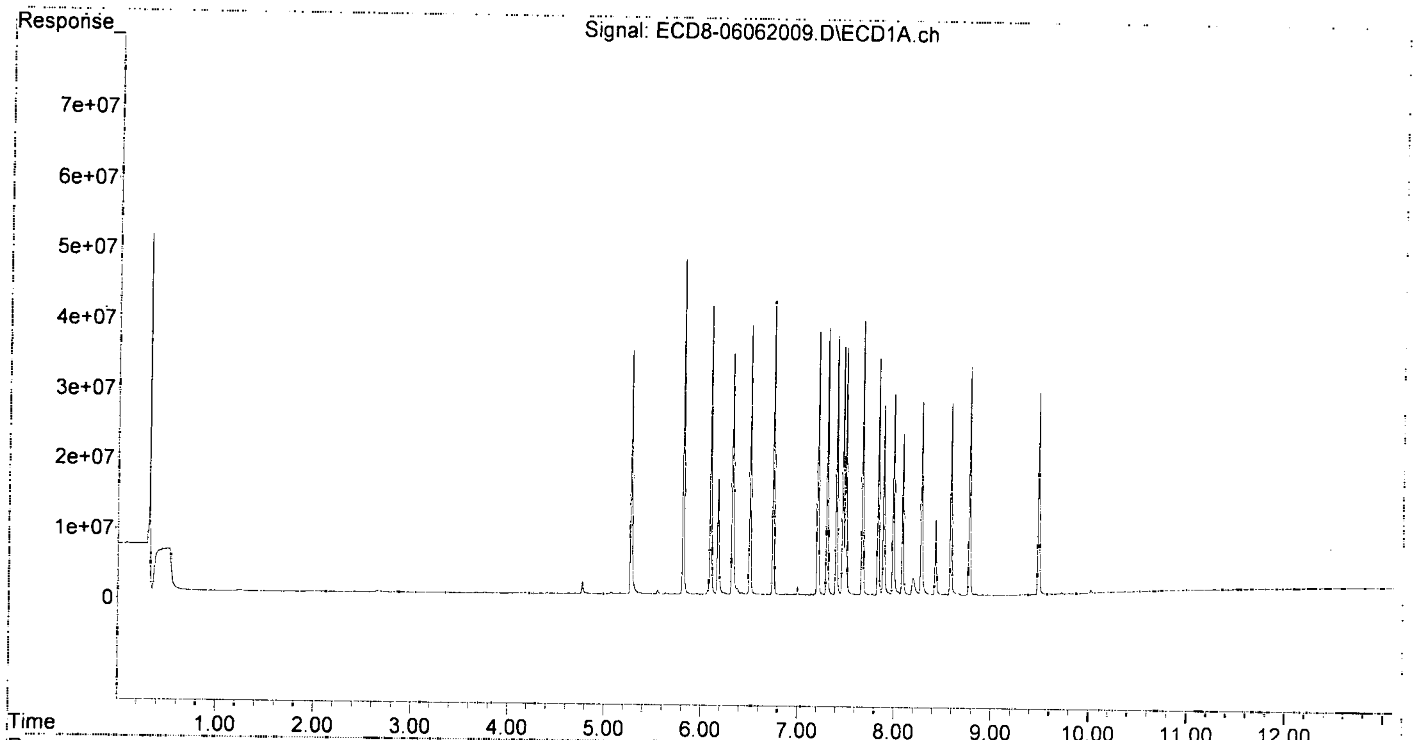
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.273	5.847	34986950	31872820	9.593	8.978	
22)	S DCBP (S)	9.483	10.396	28954755	23132623	10.028	9.885	
	Target Compounds							
2)	a-BHC	5.812	6.454	47943397	46280849	9.838	9.710	
3)	g-BHC	6.094	6.771	41307256	41024069	9.673	9.610	
4)	b-BHC	6.172	6.839	16563915	16779314	9.186	9.180	
5)	Heptachlor	6.504	7.142	38643124	40579127	9.774	9.576	
6)	d-BHC	6.320	7.092	34529136	36570640	9.989	9.727	
7)	Aldrin	6.744	7.406	42114836	39449401	9.767	9.837	
8)	Heptachlo...	7.205	7.847	37803310	36710294	9.566	9.751	
9)	trans-Chl...	7.301	7.987	38218074	35657796	9.499	9.339	
10)	cis-Chlor...	7.399	8.095	37114363	33781008	9.978	9.067	
11)	Endosulfa...	7.494	8.144	35620792	31874483	9.677	9.397	
12)	4,4'-DDE	7.465	8.207	35702721	33337311	9.741	9.924	
13)	Dieldrin	7.667	8.345	39283290	36020428	9.732	9.343	
14)	Endrin	7.831	8.573	33821953	28095797	10.023	9.503	
15)	4,4'-DDD	7.886	8.625	27315515	26613943	9.573	9.945	
16)	Endosulfa...	7.988	8.721	28895100	27768863	9.496	9.183	
17)	4,4'-DDT	8.083	8.850	23173376	25308357	10.032	9.951	
18)	Endrin Al...	8.278	8.960	27677178	25800518	9.927	8.917	
19)	Endosulfa...	8.581	9.151	27569100	26486998	9.335	8.933	
20)	Methoxychlor	8.425	9.335	11113724	12796383	10.260	10.324	
21)	Endrin Ke...	8.774	9.550	32756813	30298317	9.184	9.021	
23)	Hexachlor...	0.000	3.533	0	16714	N.D.	BelowCal	
24)	Hexachlor...	5.656	6.318	102071	37547	BelowCal	BelowCal	
25)	Oxychlordane	7.142	7.784	187075	11688	BelowCal	BelowCal	
26)	2,4'-DDE	7.205	7.987	37803310	35657796	15.795	16.417	
27)	trans-Non...	7.399	8.044	37114363	245646	10.512	BelowCal	#
28)	2,4'-DDD	0.000	8.345	0	36020428	N.D.	17.331	#
29)	2,4'-DDT	7.770	8.573	191894	28095797	BelowCal	14.672	
30)	cis-Nonac...	7.886f	8.625	27315515	26613943	6.643	6.659	
31)	Mirex	8.529	9.550	158095	30298317	BelowCal	13.210	
32)	Chlordane...	7.301	7.987	38218074	35657796	92.523	82.323	
33)	Chlordane...	7.399	8.095	37114363	33781008	72.136	92.590	#
34)	Chlordane...	0.000	8.769	0	2245558	N.D.	18.827	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.399f	8.345f	37114363	36020428	2241.530	1097.722	#
37)	Toxaphene...	7.667	0.000	39283290	0	1255.245	N.D.	#
38)	Toxaphene...	7.988	8.721	28895100	27768863	398.299	439.475	
39)	Toxaphene...	8.194f	8.769	2445997	2245558	30.695	6.437	#
40)	Toxaphene...	8.425f	8.960	11113724	25800518	213.380	439.414	#
41)	Toxaphene...	8.529	9.335	158095	12796383	2.142	199.179	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

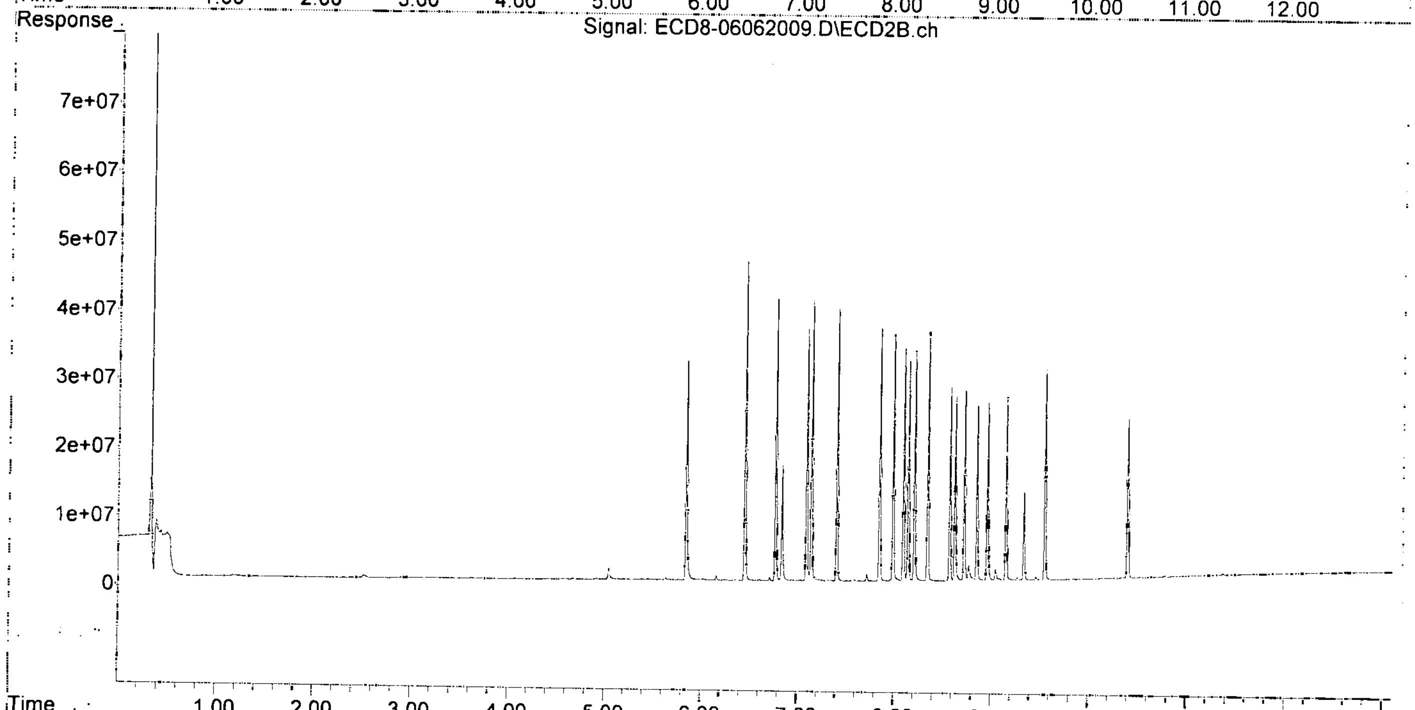
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:57
Operator : MJB
Sample : 0F06008-CAL5
Misc : A20C180, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:57:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:13
Operator : MJB
Sample : 0F06008-CAL6
Misc : A20C181, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

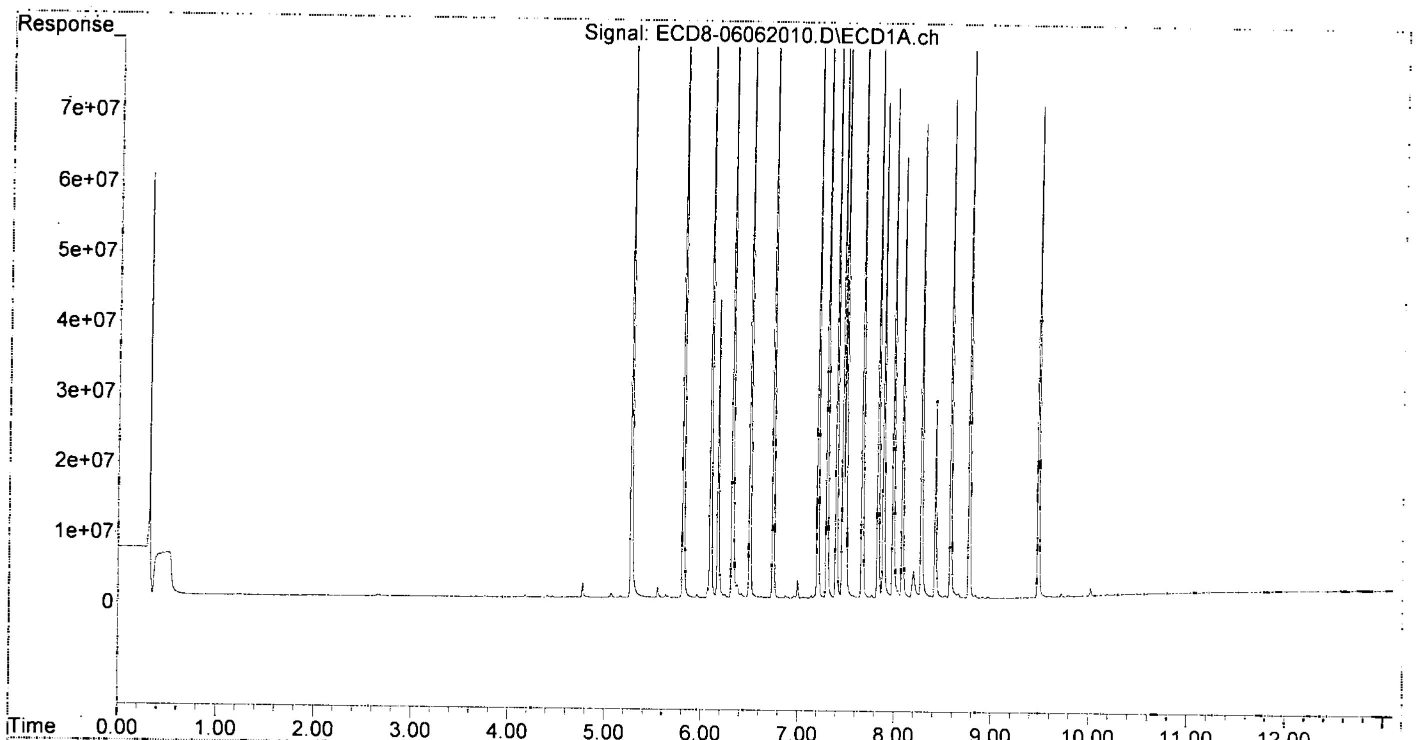
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.274	5.847	86728691	82784505	23.780	23.319	
22)	S DCBP (S)	9.482	10.396	70043801	58938146	24.485	25.151	
	Target Compounds							
2)	a-BHC	5.812	6.453	118.8E6	118.0E6	24.380	24.752	
3)	g-BHC	6.095	6.772	105.7E6	106.2E6	24.759	24.880	
4)	b-BHC	6.171	6.838	42663935	42039469	23.662	22.999	
5)	Heptachlor	6.504	7.143	97787402	102.6E6	24.733	24.211	
6)	d-BHC	6.320	7.092	90721611	100.1E6	25.504	25.850	
7)	Aldrin	6.744	7.406	106.4E6	99740544	24.667	24.872	
8)	Heptachlo...	7.206	7.846	94866469	89270067	24.005	23.712	
9)	trans-Chl...	7.301	7.987	95188146	91015607	23.658	23.838	
10)	cis-Chlor...	7.399	8.095	93309929	90296816	25.131	24.236	
11)	Endosulfa...	7.494	8.143	87969882	81264393	23.898	23.957	
12)	4,4'-DDE	7.465	8.208	90527851	90779828	24.700	26.273	
13)	Dieldrin	7.667	8.344	99483227	94470967	24.645	24.503	
14)	Endrin	7.831	8.572	82617925	72122642	24.482	24.396	
15)	4,4'-DDD	7.885	8.624	70679640	72175489	24.772	26.162	
16)	Endosulfa...	7.988	8.721	72814315	73370058	23.930	24.264	
17)	4,4'-DDT	8.083	8.850	62939123	70221935	26.500	26.741	
18)	Endrin Al...	8.278	8.959	67705447	64639443	24.417	22.341	
19)	Endosulfa...	8.580	9.150	71152760	70280072	24.092	23.702	
20)	Methoxychlor	8.424	9.334	28329088	32821247	25.719	26.021	
21)	Endrin Ke...	8.773	9.550	84645957	80676406	23.733	24.019	
23)	Hexachlor...	3.038	3.537	5662	17627	BelowCal	BelowCal	
24)	Hexachlor...	5.655	6.317	209027	60627	BelowCal	BelowCal	
25)	Oxychlordane	7.142	7.754	444880	310438	BelowCal	BelowCal	
26)	2,4'-DDE	7.206	7.987	94866469	91015607	39.638	40.896	
27)	trans-Non...	7.399	8.046	93309929	429218	26.667	BelowCal	#
28)	2,4'-DDD	0.000	8.344	0	94470967	N.D.	45.455	#
29)	2,4'-DDT	7.770	8.572	488948	72122642	0.094	36.429	#
30)	cis-Nonac...	7.885f	8.624	70679640	72175489	17.189	18.058	
31)	Mirex	8.529	9.550	375767	80676406	BelowCal	35.304	
32)	Chlordane...	7.301	7.987	95188146	91015607	230.443	210.128	
33)	Chlordane...	7.399	8.095	93309929	90296816	181.360	247.495	#
34)	Chlordane...	0.000	8.768	0	2341763	N.D.	19.633	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.399f	8.344f	93309929	94470967	5302.080	2879.001	#
37)	Toxaphene...	7.667	0.000	99483227	0	3220.947	N.D.	#
38)	Toxaphene...	7.988	8.721	72814315	73370058	1003.695	1161.168	
39)	Toxaphene...	8.199f	8.768	3847168	2341763	53.662	7.504	#
40)	Toxaphene...	8.424f	8.959	28329088	64639443	543.910	1100.888	#
41)	Toxaphene...	8.529	9.334	375767	32821247	5.092	510.871	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

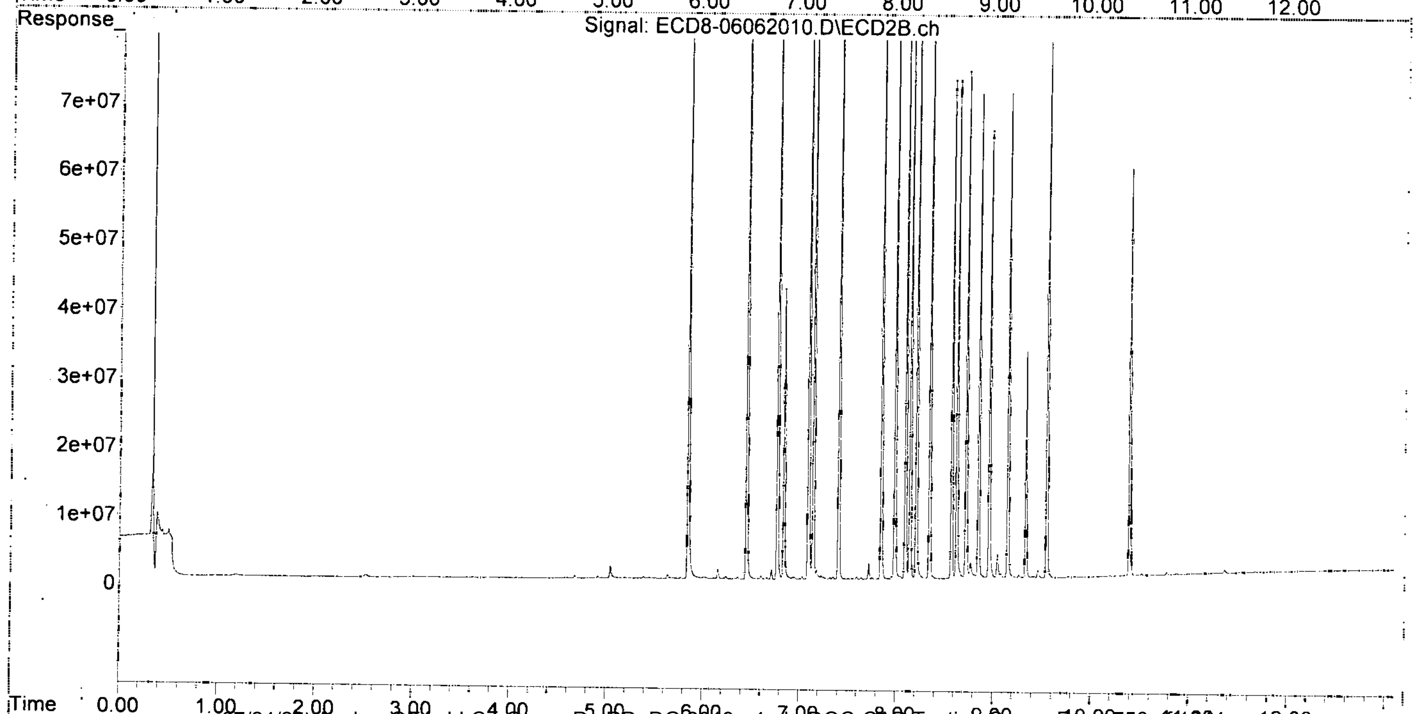
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:13
Operator : MJB
Sample : 0F06008-CAL6
Misc : A20C181, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:30
Operator : MJB
Sample : 0F06008-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

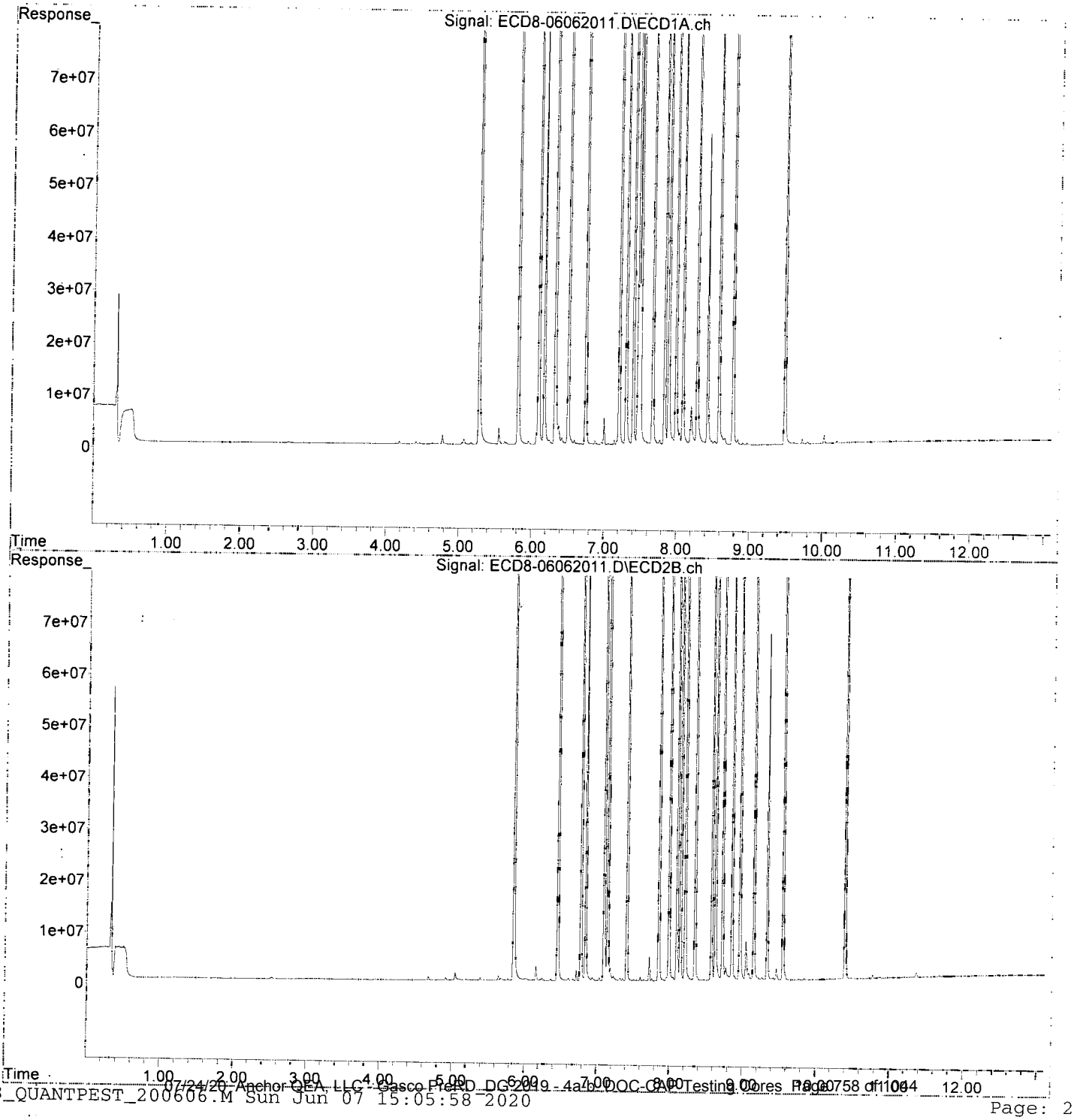
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.274	5.847	179.1E6	178.8E6	49.093	50.373	
22)	S DCBP (S)	9.482	10.396	146.9E6	121.1E6	51.273	50.761	
	Target Compounds							
2)	a-BHC	5.813	6.453	253.8E6	253.2E6	52.079	53.120	
3)	g-BHC	6.094	6.772	222.2E6	227.5E6	52.037	53.297	
4)	b-BHC	6.171	6.838	90211863	89925013	50.032	49.197	
5)	Heptachlor	6.504	7.142	200.0E6	217.2E6	50.581	51.260	
6)	d-BHC	6.320	7.091	198.0E6	211.1E6	53.146	52.228	
7)	Aldrin	6.745	7.406	219.6E6	206.0E6	50.923	51.363	
8)	Heptachlo...	7.205	7.847	195.2E6	188.5E6	49.394	50.061	
9)	trans-Chl...	7.301	7.987	200.8E6	191.9E6	49.903	50.265	
10)	cis-Chlor...	7.398	8.095	194.6E6	190.0E6	51.669	50.990	
11)	Endosulfa...	7.494	8.144	186.3E6	171.9E6	50.605	50.675	
12)	4,4'-DDE	7.464	8.207	190.2E6	190.9E6	51.887	52.878	
13)	Dieldrin	7.666	8.344	210.5E6	202.6E6	52.153	52.551	
14)	Endrin	7.831	8.571	171.9E6	153.4E6	50.943	51.890	
15)	4,4'-DDD	7.885	8.623	151.0E6	156.1E6	52.907	53.757	
16)	Endosulfa...	7.987	8.720	154.5E6	157.0E6	50.789	51.909	
17)	4,4'-DDT	8.084	8.850	133.3E6	147.5E6	53.718	53.342	
18)	Endrin Al...	8.278	8.959	138.4E6	140.1E6	49.596	48.419	
19)	Endosulfa...	8.580	9.150	148.4E6	154.0E6	50.253	51.946	
20)	Methoxychlor	8.424	9.334	59424282	66949924	51.923	51.098	
21)	Endrin Ke...	8.774	9.549	175.3E6	173.0E6	49.158	51.509	
23)	Hexachlor...	0.000	3.559f	0	16308	N.D.	BelowCal	
24)	Hexachlor...	5.656	6.319	396415	27851	BelowCal	BelowCal	
25)	Oxychlordane	7.142	7.755	876360	477679	0.083	BelowCal	#
26)	2,4'-DDE	7.205	7.987	195.2E6	191.9E6	81.562	81.968	
27)	trans-Non...	7.398	8.049	194.6E6	679645	55.206	BelowCal	#
28)	2,4'-DDD	0.000	8.344	0	202.6E6	N.D.	97.485	#
29)	2,4'-DDT	7.770	8.571	922437	153.4E6	0.334	72.855	#
30)	cis-Nonac...	7.885f	8.623	151.0E6	156.1E6	36.712	39.064	
31)	Mirex	8.529	9.549	710596	173.0E6	BelowCal	74.737	
32)	Chlordane...	7.301	7.987	200.8E6	191.9E6	486.086	443.070	
33)	Chlordane...	7.398	8.095	194.6E6	190.0E6	378.148	520.707	#
34)	Chlordane...	0.000	8.769	0	2457802	N.D.	20.606	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.398f	8.344f	194.6E6	202.6E6	10105.096	6174.420	#
37)	Toxaphene...	7.666	0.000	210.5E6	0	6972.057	N.D.	#
38)	Toxaphene...	7.987	8.720	154.5E6	157.0E6	2130.205	2484.163	
39)	Toxaphene...	8.199f	8.769	7287546	2457802	109.736	8.790	#
40)	Toxaphene...	8.424f	8.959	59424282	140.1E6	1140.928	2385.935	#
41)	Toxaphene...	8.529	9.334	710596	66949924	9.629	1042.092	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:30
Operator : MJB
Sample : 0F06008-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:46
Operator : MJB
Sample : 0F06008-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 6/7/20

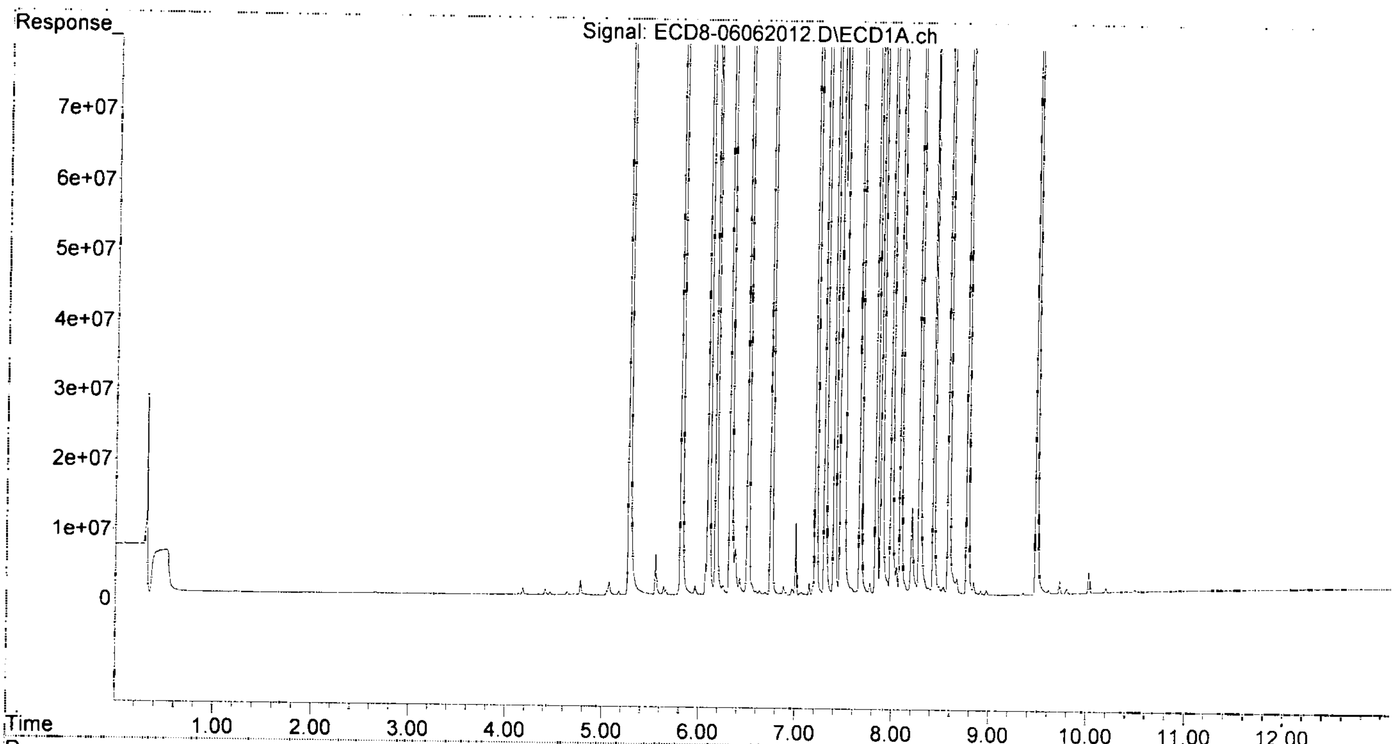
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.275	5.847	372.2E6	385.6E6	102.056	108.609	
22)	S DCBP (S)	9.482	10.397	292.0E6	256.3E6	101.067	102.986	
	Target Compounds							
2)	a-BHC	5.814	6.454	531.7E6	535.6E6	109.101	112.367	
3)	g-BHC	6.096	6.772	457.3E6	465.9E6	107.084	109.139	
4)	b-BHC	6.172	6.838	189.2E6	193.1E6	104.913	105.640	
5)	Heptachlor	6.505	7.143	430.5E6	467.5E6	108.879	110.334	
6)	d-BHC	6.320	7.092	425.1E6	466.4E6	105.187	106.289	
7)	Aldrin	6.745	7.407	454.2E6	437.5E6	105.328	109.093	
8)	Heptachlo...	7.206	7.846	413.9E6	398.3E6	104.722	105.804	
9)	trans-Chl...	7.301	7.986	409.5E6	411.4E6	101.767	107.754	
10)	cis-Chlor...	7.399	8.095	396.9E6	389.0E6	102.104	104.413	
11)	Endosulfa...	7.495	8.143	377.7E6	370.0E6	102.614	109.085	
12)	4,4'-DDE	7.464	8.207	393.5E6	405.4E6	107.362	103.810	
13)	Dieldrin	7.667	8.345	427.9E6	434.4E6	106.017	112.678	
14)	Endrin	7.831	8.572	362.8E6	327.3E6	107.505	110.718	
15)	4,4'-DDD	7.885	8.623	315.6E6	334.5E6	110.628	105.257	
16)	Endosulfa...	7.987	8.720	325.6E6	322.9E6	106.991	106.800	
17)	4,4'-DDT	8.083	8.850	278.3E6	324.1E6	103.987	106.450	
18)	Endrin Al...	8.278	8.959	289.5E6	298.8E6	101.669	103.286	
19)	Endosulfa...	8.580	9.150	312.2E6	326.0E6	105.708	109.959	
20)	Methoxychlor	8.424	9.334	129.7E6	142.9E6	104.941	101.150	
21)	Endrin Ke...	8.773	9.550	365.0E6	360.5E6	102.331	107.322	
23)	Hexachlor...	0.000	3.556f	0	15106	N.D.	BelowCal	
24)	Hexachlor...	5.656	6.318	778727	57475	0.064	BelowCal	#
25)	Oxychlordane	7.142	7.779	1738464	62728	0.357	BelowCal	#
26)	2,4'-DDE	7.206	7.986	413.9E6	411.4E6	172.923	160.047	
27)	trans-Non...	7.399	8.048	396.9E6	1205735	110.229	0.114	#
28)	2,4'-DDD	0.000	8.345	0	434.4E6	N.D.	209.024	#
29)	2,4'-DDT	7.769	8.572	1793516	327.3E6	0.815	139.733	#
30)	cis-Nonac...	7.885f	8.623	315.6E6	334.5E6	76.764	83.694	
31)	Mirex	8.529	9.550	1254293	360.5E6	0.192	151.053	#
32)	Chlordane...	7.301	7.986	409.5E6	411.4E6	991.270	949.822	
33)	Chlordane...	7.399	8.095	396.9E6	389.0E6	771.411	1066.251	#
34)	Chlordane...	0.000	8.769	0	2760345	N.D.	23.143	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.399f	8.345f	396.9E6	434.4E6	18044.242	13239.019	#
37)	Toxaphene...	7.667	0.000	427.9E6	0	14874.831	N.D.	#
38)	Toxaphene...	7.987	8.720	325.6E6	322.9E6	4487.501	5111.049	
39)	Toxaphene...	8.199f	8.769	12660109	2760345	196.421	12.142	#
40)	Toxaphene...	8.424f	8.959	129.7E6	298.8E6	2490.331	5089.578	#
41)	Toxaphene...	8.529	9.334	1254293	142.9E6	16.997	2224.730	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

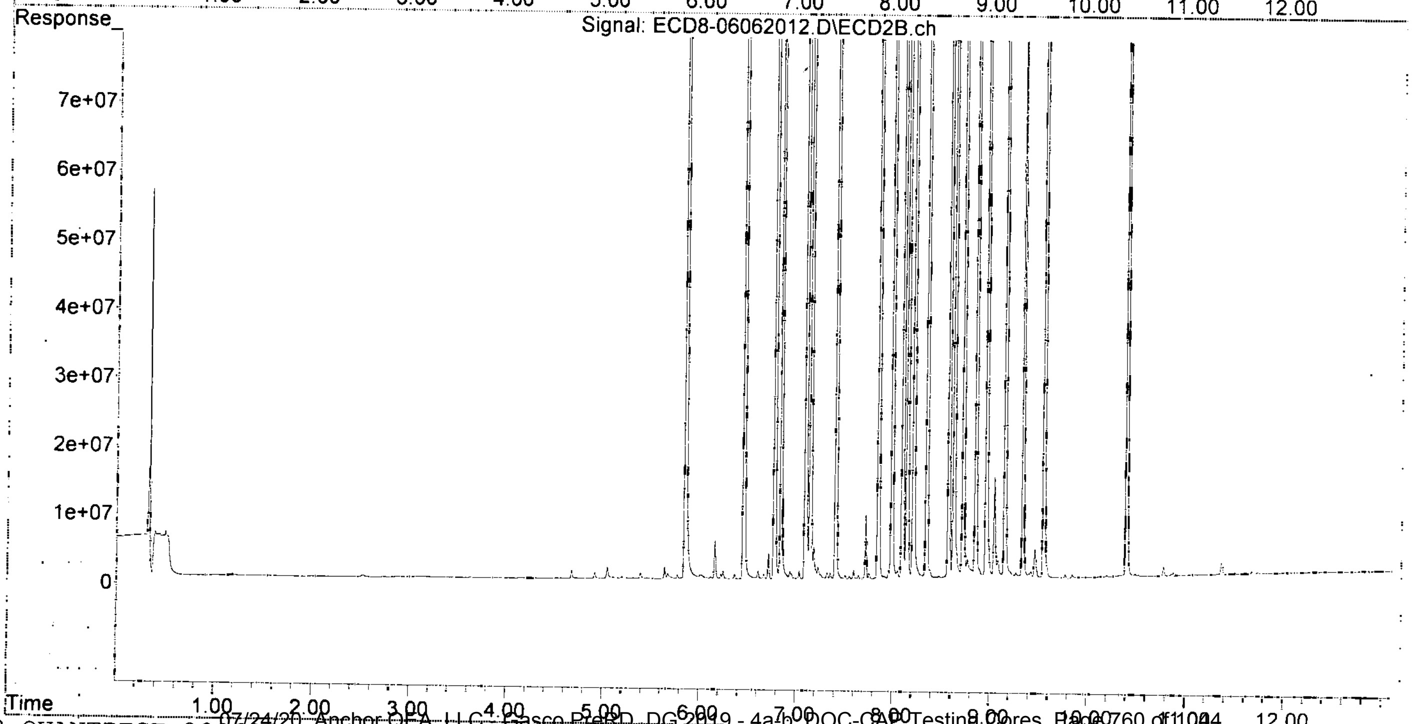
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:46
Operator : MJB
Sample : 0F06008-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:03
Operator : MJB
Sample : 0F06008-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

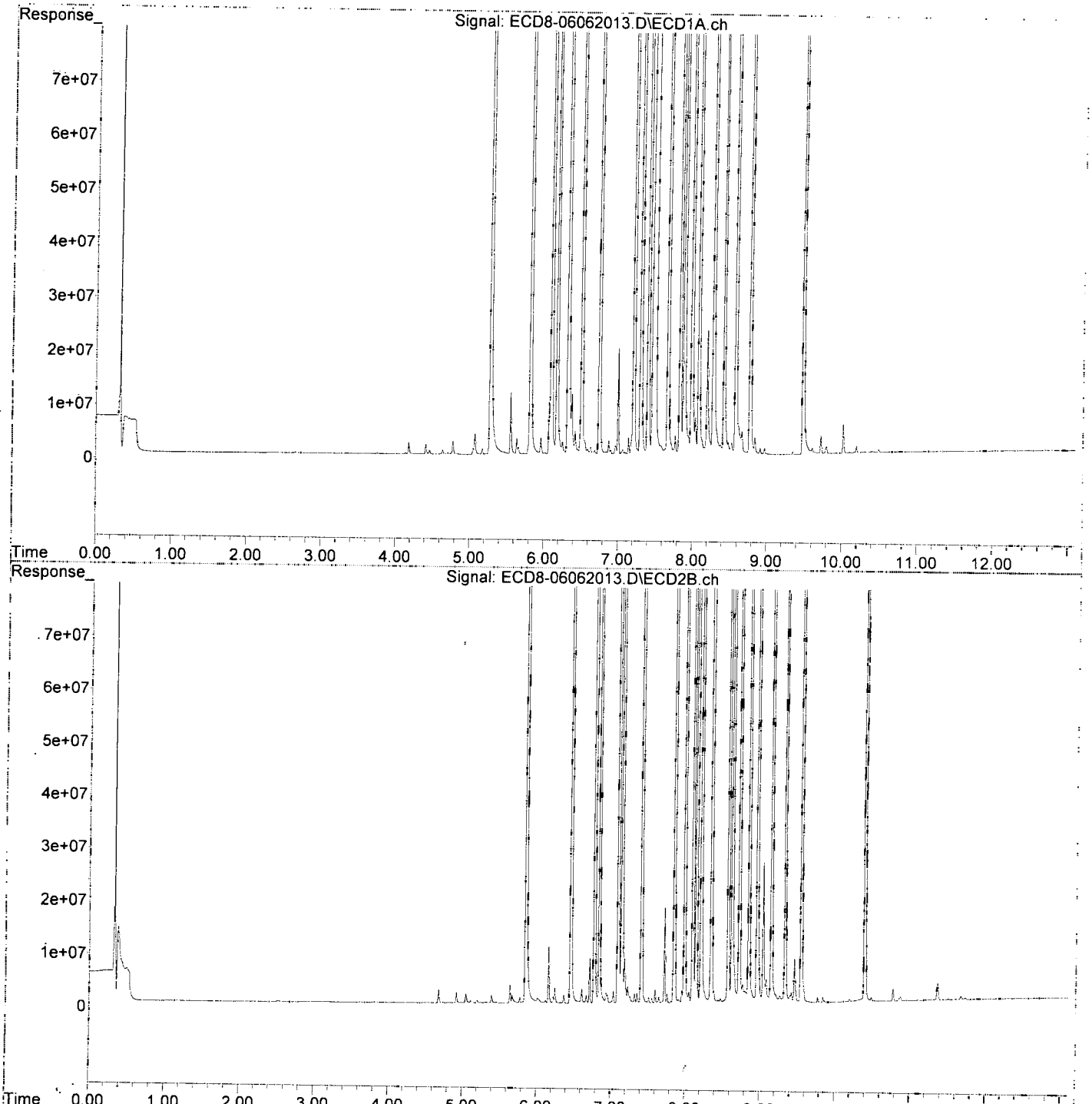
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.276	5.847	750.6E6	790.4E6	205.804	222.654
22)	S DCBP (S)	9.482	10.396	583.9E6	527.3E6	198.249	196.817
	Target Compounds						
2)	a-BHC	5.814	6.454	1055.1E6	1129.6E6	216.522	237.003
3)	g-BHC	6.096	6.772	919.0E6	982.3E6	215.204	230.103
4)	b-BHC	6.172	6.837	380.4E6	394.6E6	210.990	215.861
5)	Heptachlor	6.506	7.142	854.7E6	925.9E6	216.185	218.507
6)	d-BHC	6.320	7.091	885.2E6	954.6E6	193.509	193.138
7)	Aldrin	6.745	7.407	905.5E6	904.7E6	209.996	225.603
8)	Heptachlo...	7.206	7.846	814.0E6	810.0E6	205.979	215.161
9)	trans-Chl...	7.301	7.986	845.2E6	837.5E6	210.071	219.347
10)	cis-Chlor...	7.399	8.095	811.7E6	786.7E6	196.747	211.156
11)	Endosulfa...	7.494	8.143	761.6E6	752.5E6	206.908	221.821
12)	4,4'-DDE	7.464	8.207	820.0E6	861.3E6	223.721	194.373
13)	Dieldrin	7.667	8.345	857.8E6	881.0E6	212.505	228.504
14)	Endrin	7.831	8.572	733.8E6	689.1E6	217.447	233.084
15)	4,4'-DDD	7.884	8.623	664.2E6	703.1E6	232.772	192.925
16)	Endosulfa...	7.987	8.720	667.0E6	704.5E6	219.218	232.981
17)	4,4'-DDT	8.083	8.850	585.1E6	671.6E6	193.500	192.037
18)	Endrin Al...	8.278	8.959	590.1E6	607.2E6	199.349	209.878
19)	Endosulfa...	8.580	9.151	621.9E6	671.0E6	210.576	226.280
20)	Methoxychlor	8.423	9.334	270.4E6	319.1E6	194.279	197.688
21)	Endrin Ke...	8.774	9.550	749.3E6	748.5E6	210.098	222.857
23)	Hexachlor...	3.044	0.000	41503	0	BelowCal	N.D.
24)	Hexachlor...	5.656	6.316	1438662	163518	0.281	BelowCal #
25)	Oxychlordane	7.141	7.777	3219331	139997	0.826	BelowCal #
26)	2,4'-DDE	7.206	7.986	814.0E6	837.5E6	340.125	284.813
27)	trans-Non...	7.399	8.048	811.7E6	2055965	215.870	0.376 #
28)	2,4'-DDD	7.580	8.345	1657344	881.0E6	0.689	423.888 #
29)	2,4'-DDT	7.769	8.572	3482332	689.1E6	1.747	251.436 #
30)	cis-Nonac...	7.884f	8.623	664.2E6	703.1E6	161.520	175.917
31)	Mirex	8.528	9.550	2164365	748.5E6	0.566	296.041 #
32)	Chlordane...	7.301	7.986	845.2E6	837.5E6	2046.212	1933.492
33)	Chlordane...	7.399	8.095	811.7E6	786.7E6	1577.599	2156.307 #
34)	Chlordane...	0.000	8.767	0	3446608	N.D.	28.896 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.399f	8.345f	811.7E6	881.0E6	30757.463	26847.971
37)	Toxaphene...	7.667	0.000	857.8E6	0	33807.538	N.D. #
38)	Toxaphene...	7.987	8.720	667.0E6	704.5E6	9194.597	11149.568
39)	Toxaphene...	8.198f	8.767	23220453	3446608	363.811	19.732 #
40)	Toxaphene...	8.423f	8.959	270.4E6	607.2E6	5192.376	10342.076 #
41)	Toxaphene...	8.528	9.334	2164365	319.1E6	29.329	4966.236 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:03
Operator : MJB
Sample : 0F06008-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:58:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

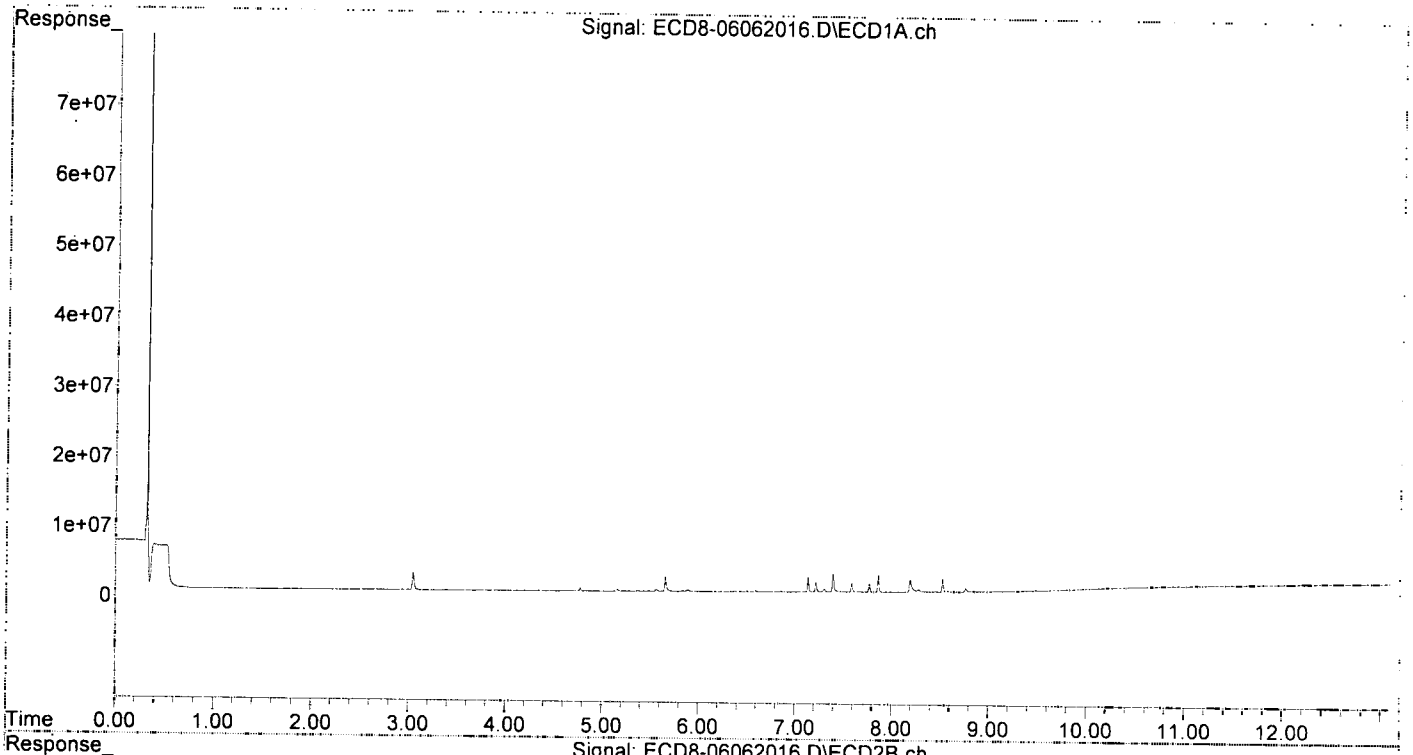
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.277	5.858	27261	392157	0.007	0.110	#
22)	S DCBP (S)	9.483	10.396	152592	120171	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.814	6.480f	40053	23464	0.008	0.005	#
3)	g-BHC	6.095	6.771	34310	14015	0.008	0.003	#
4)	b-BHC	6.174	6.842	35629	30606	0.020	0.017	
5)	Heptachlor	6.504	7.142	161931	150417	0.041	0.035	
6)	d-BHC	6.324	7.093	56048	51415	0.049	0.049	
7)	Aldrin	6.747	7.403	18848	10254	0.004	0.003	#
8)	Heptachlo...	7.216	7.845	1450647	24089	0.367	0.006	#
9)	trans-Chl...	7.303	7.985	475644	1594318	0.118	0.418	#
10)	cis-Chlor...	7.392	8.095	2706753	428761	0.540	0.115	#
11)	Endosulfa...	7.502	8.147	78160	32530	0.021	0.010	#
12)	4,4'-DDE	7.466	8.210	104028	34221	0.028	0.016	#
13)	Dieldrin	7.667	8.359	61849	1185591	0.015	0.308	#
14)	Endrin	7.861f	8.582	2497038	1241303	0.740	0.420	#
15)	4,4'-DDD	7.861f	8.618	2497038	2343379	0.875	0.871	
16)	Endosulfa...	7.989	8.720	82097	74869	0.027	0.025	
17)	4,4'-DDT	8.083	0.000	32795	0	0.024	N.D.	#
18)	Endrin Al...	8.279	8.959	429620	343141	BelowCal	0.119	
19)	Endosulfa...	8.581	9.151	148148	128463	0.050	0.043	
20)	Methoxychlor	8.427	9.334	44235	63597	BelowCal	BelowCal	
21)	Endrin Ke...	8.763	9.536	516000	1704303	0.145	0.507	#
23)	Hexachlor...	3.047	3.534	2512894	2831116	0.478	0.481	
24)	Hexachlor...	5.657	6.315	2070033	1957618	0.488	0.498	
25)	Oxychlordane	7.135	7.775	2124726	2077896	0.479	0.495	
26)	2,4'-DDE	7.216	7.985	1450647	1594318	0.606	0.509	
27)	trans-Non...	7.392	8.050	2706753	2454721	0.504	0.498	
28)	2,4'-DDD	7.587	8.359	1283450	1185591	0.489	0.570	
29)	2,4'-DDT	7.769	8.582	1217591	1241303	0.497	0.503	
30)	cis-Nonac...	7.861	8.618	2497038	2343379	0.607	0.586	
31)	Mirex	8.527	9.536	1951891	1704303	0.479	0.477	
32)	Chlordane...	7.303	7.985	475644	1594318	1.151	3.681	#
33)	Chlordane...	7.392	8.095	2706753	428761	5.261	1.175	#
34)	Chlordane...	7.944	8.771	98980	1831435	0.766	15.355	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.392	8.329	2706753	17311	167.010	0.528	#
37)	Toxaphene...	7.667	8.675	61849	31404	175390.177	0.737	#
38)	Toxaphene...	7.989	8.720	82097	74869	1.132	1.185	
39)	Toxaphene...	8.191f	8.771	1769833	1831435	19.585	1.841	#
40)	Toxaphene...	8.453	8.959	59493	343141	1.142	5.844	#
41)	Toxaphene...	8.527	9.334	1951891	63597	26.450	0.990	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

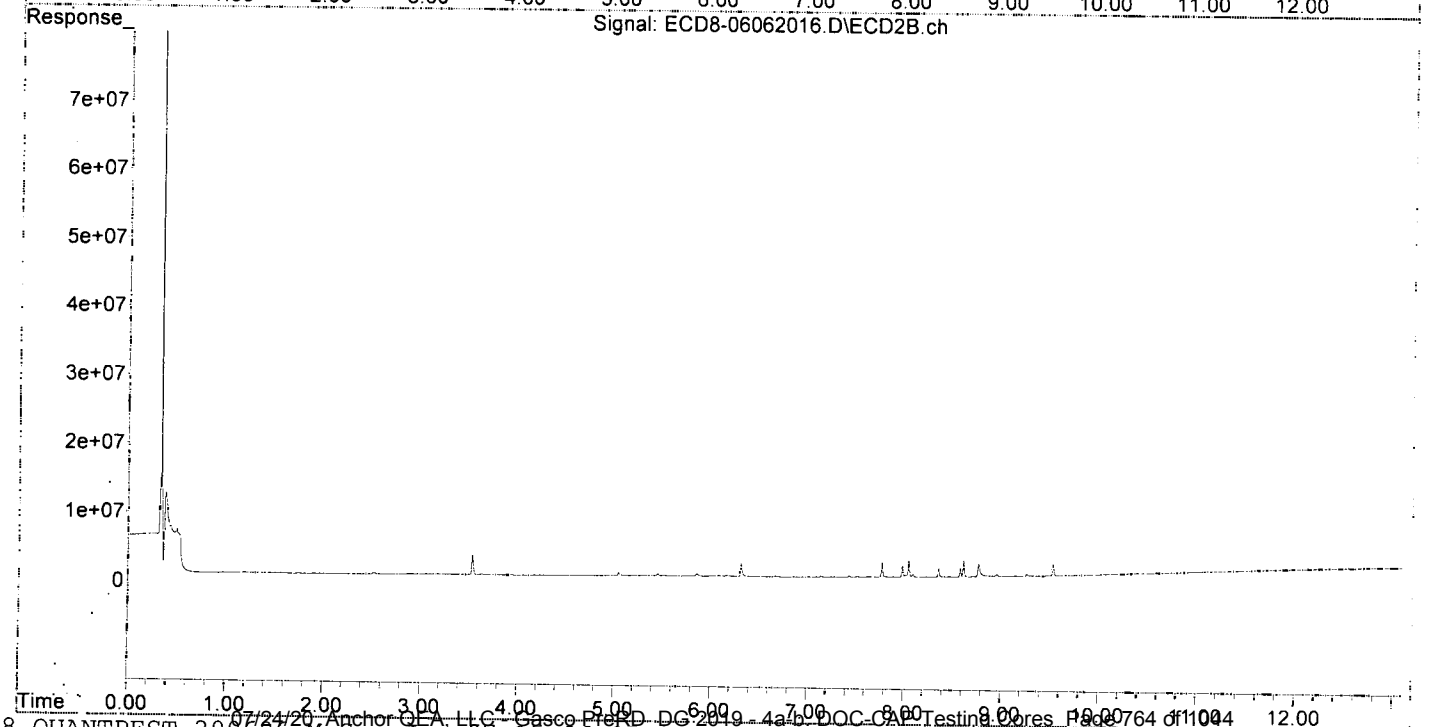
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:09
Operator : MJB
Sample : 0F06008-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

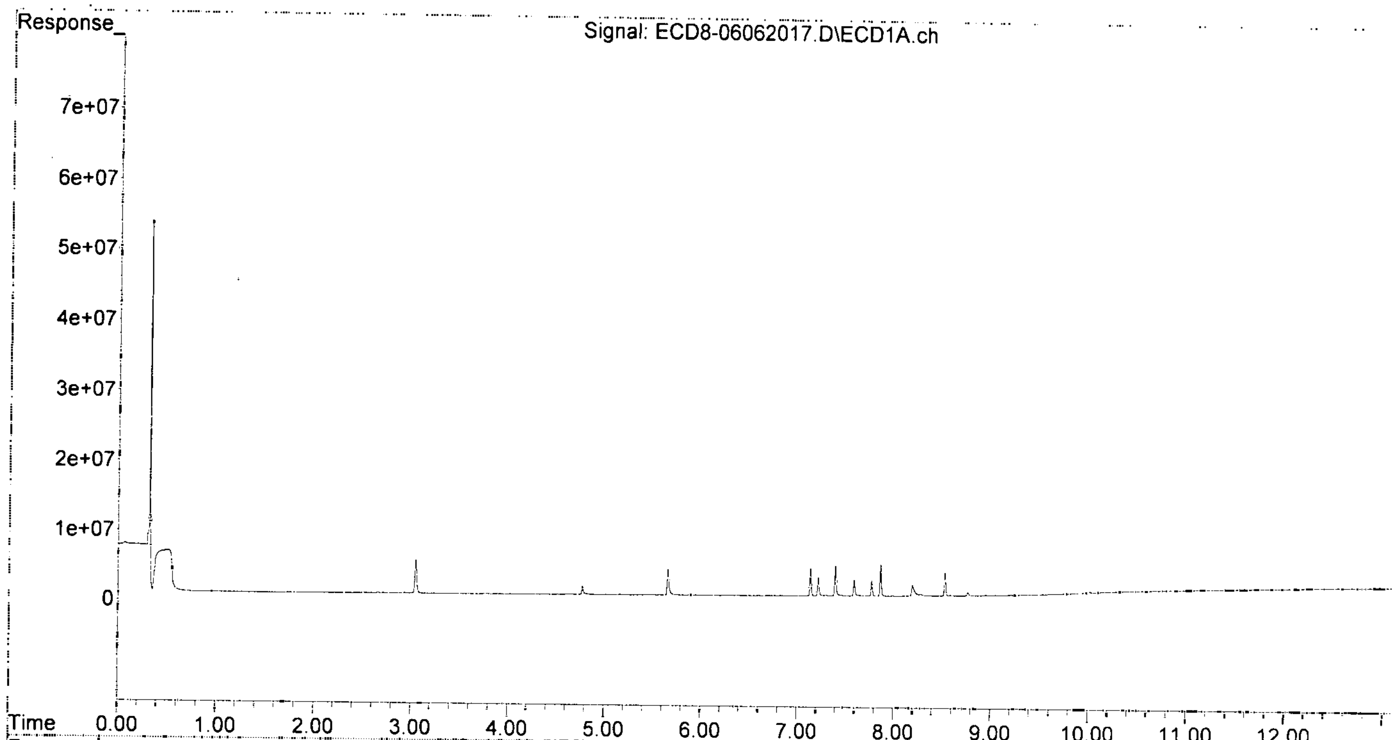
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.250f	5.859	56413	116341	0.015	0.033	#
22)	S DCBP (S)	9.484	10.389	28116	42234	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.815	6.486f	14388	9508	0.003	0.002	#
3)	g-BHC	6.133f	0.000	18934	0	0.004	N.D.	#
4)	b-BHC	6.174	6.842	4359	35334	0.002	0.019	#
5)	Heptachlor	6.505	7.146	32041	33538	0.008	0.008	
6)	d-BHC	6.325	7.093	17014	48086	0.038	0.049	#
7)	Aldrin	6.723f	7.406	17621	7733	0.004	0.002	#
8)	Heptachlo...	7.216	0.000	2683204	0	0.679	N.D.	#
9)	trans-Chl...	7.302	7.985	155967	2644092	0.039	0.693	#
10)	cis-Chlor...	7.393	8.094	4424272	298828	1.014	0.080	#
11)	Endosulfa...	7.499	8.145	46265	36731	0.013	0.011	
12)	4,4'-DDE	7.463	8.209	74160	19773	0.020	0.012	#
13)	Dieldrin	7.662	8.360	39966	2357973	0.010	0.612	#
14)	Endrin	7.862f	8.582	4619495	2243898	1.369	0.759	#
15)	4;4'-DDD	7.862f	8.617	4619495	4362479	1.619	1.638	
16)	Endosulfa...	7.992	8.721	29458	35429	0.010	0.012	
17)	4,4'-DDT	8.086	0.000	10912	0	0.014	N.D.	#
18)	Endrin Al...	8.280	8.960	309872	197352	BelowCal	0.068	
19)	Endosulfa...	8.581	9.151	101429	79477	0.034	0.027	
20)	Methoxychlor	8.394f	9.332	40070	18615	BelowCal	BelowCal	
21)	Endrin Ke...	8.763	9.536	492563	3067448	0.138	0.913	#
23)	Hexachlor...	3.047	3.534	4817265	5390738	1.090	1.078	
24)	Hexachlor...	5.657	6.315	3808389	3490476	1.059	1.041	
25)	Oxychlordane	7.135	7.775	4069036	3679856	1.096	1.042	
26)	2,4'-DDE	7.216	7.985	2683204	2644092	1.121	1.010	
27)	trans-Non...	7.393	8.050	4424272	4150088	1.005	1.020	
28)	2,4'-DDD	7.588	8.360	2380316	2357973	1.078	1.135	
29)	2,4'-DDT	7.770	8.582	2237919	2243898	1.061	1.046	
30)	cis-Nonac...	7.862	8.617	4619495	4362479	1.123	1.091	
31)	Mirex	8.527	9.536	3450319	3067448	1.095	1.087	
32)	Chlordane...	7.302	7.985	155967	2644092	0.378	6.104	#
33)	Chlordane...	7.393	8.094	4424272	298828	8.599	0.819	#
34)	Chlordane...	7.922f	8.773	5528	1701535	0.043	14.266	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.393	8.320	4424272	6487	274.990	0.198	#
37)	Toxaphene...	7.662	8.683	39966	14610	175390.874	0.343	#
38)	Toxaphene...	7.992	8.721	29458	35429	0.406	0.561	#
39)	Toxaphene...	8.192f	8.773	1640106	1701535	17.451	0.398	#
40)	Toxaphene...	0.000	8.960	0	197352	N.D.	3.361	#
41)	Toxaphene...	8.527	9.332	3450319	18615	46.755	0.290	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

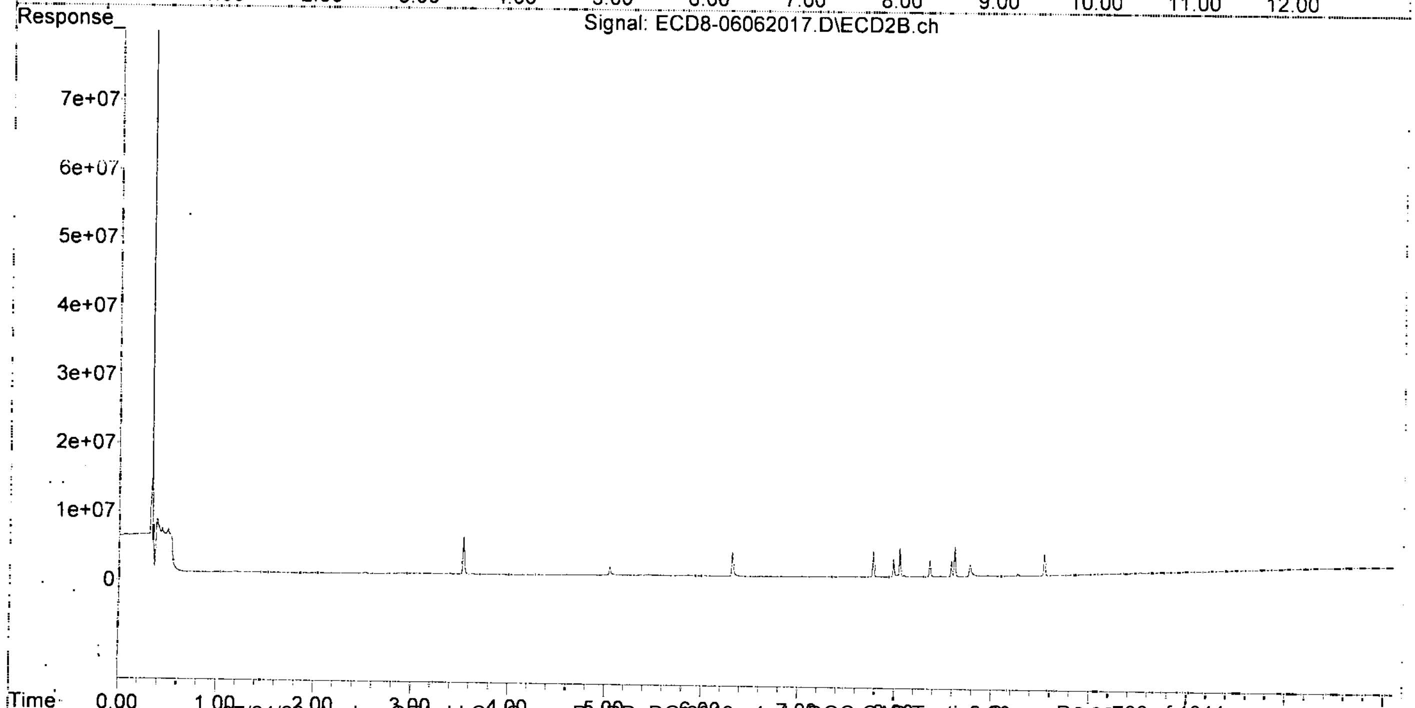
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:09
Operator : MJB
Sample : 0F06008-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 14:59:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:25
Operator : MJB
Sample : 0F06008-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

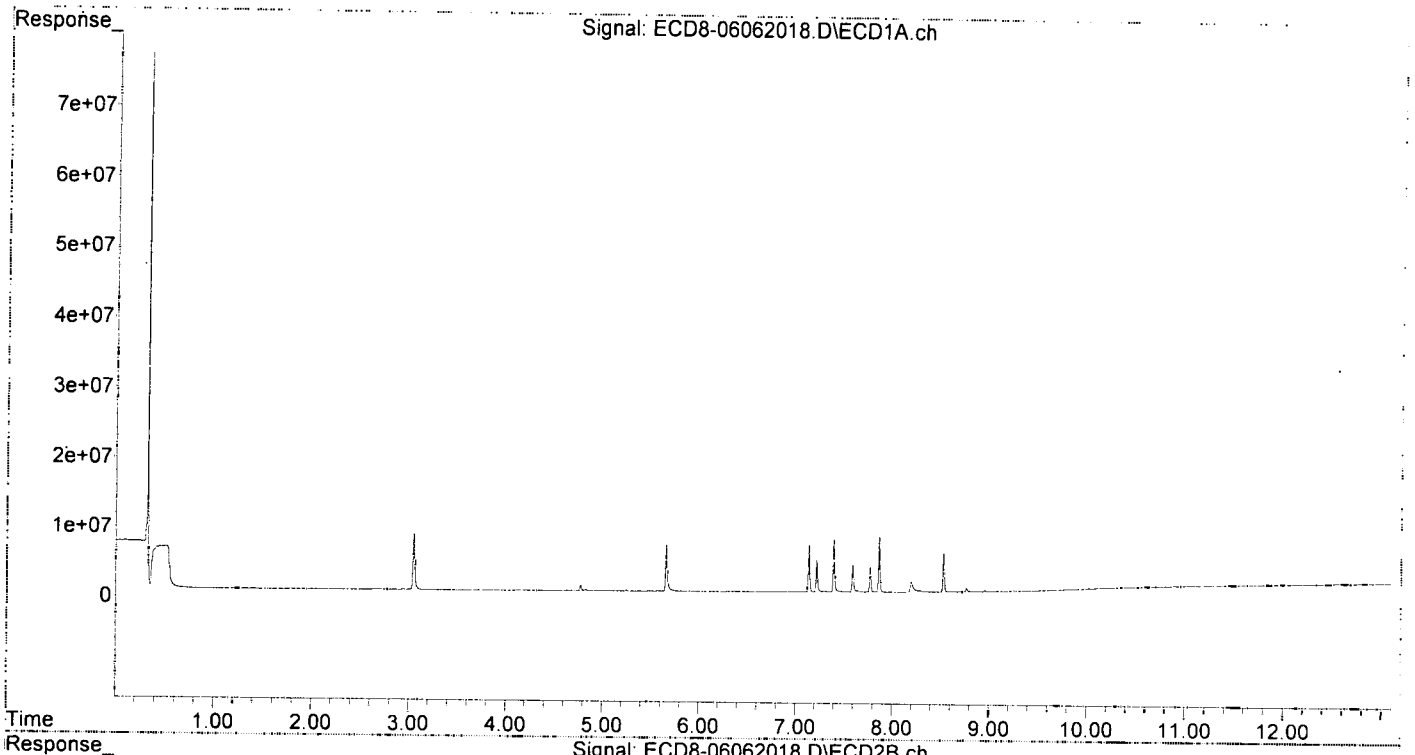
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.249f	5.862	123604	126896	0.034	0.036	
22)	S DCBP (S)	9.485	10.386	27054	24879	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.814	6.449	49959	36320	0.010	0.008	#
3)	g-BHC	6.073f	6.788	28512	7042	0.007	0.002	#
4)	b-BHC	6.176	6.839	24800	22679	0.014	0.012	
5)	Heptachlor	6.504	7.143	37004	32331	0.009	0.008	
6)	d-BHC	6.332	7.094	17129	39567	0.038	0.046	
7)	Aldrin	6.724f	7.408	5749	5817	0.001	0.001	
8)	Heptachlo...	7.216	7.845	4589279	22601	1.161	0.006	#
9)	trans-Chl...	7.301	7.986	184856	4364012	0.046	1.143	#
10)	cis-Chlor...	7.392	8.094	7594996	407448	1.888	0.109	#
11)	Endosulfa...	7.496	8.158	63785	32203	0.017	0.009	#
12)	4,4'-DDE	7.460	8.209	106810	15691	0.029	0.011	#
13)	Dieldrin	7.634f	8.359	284064	4019825	0.070	1.043	#
14)	Endrin	7.828	8.582	30764	3684050	0.009	1.246	#
15)	4,4'-DDD	7.862f	8.617	8069719	7556685	2.828	2.848	
16)	Endosulfa...	7.989	8.722	25023	31136	0.008	0.010	#
17)	4,4'-DDT	8.084	0.000	12961	0	0.015	N.D.	#
18)	Endrin Al...	8.277	8.960	184012	136174	BelowCal	0.047	
19)	Endosulfa...	8.582	9.151	79114	51800	0.027	0.017	#
20)	Methoxychlor	0.000	9.335	0	18453	N.D.	BelowCal	
21)	Endrin Ke...	8.764	9.536	497271	5247610	0.139	1.562	#
23)	Hexachlor...	3.048	3.534	8189944	9258660	1.986	1.979	
24)	Hexachlor...	5.657	6.315	6674738	6013960	1.998	1.933	
25)	Oxychlordane	7.135	7.775	6851909	6318570	1.978	1.943	
26)	2,4'-DDE	7.216	7.986	4589279	4364012	1.918	1.830	
27)	trans-Non...	7.392	8.050	7594996	7278851	1.931	1.980	
28)	2,4'-DDD	7.589	8.359	3914792	4019825	1.901	1.934	
29)	2,4'-DDT	7.770	8.582	3679380	3684050	1.855	1.823	
30)	cis-Nonac...	7.862	8.617	8069719	7556685	1.963	1.891	
31)	Mirex	8.527	9.536	5603738	5247610	1.980	2.062	
32)	Chlordane...	7.301	7.986	184856	4364012	0.448	10.075	#
33)	Chlordane...	7.392	8.094	7594996	407448	14.762	1.117	#
34)	Chlordane...	7.910f	8.773	47249	1582837	0.365	13.270	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.392	8.318	7594996	7121	473.015	0.217	#
37)	Toxaphene...	7.634f	0.000	284064	0	5.323	N.D.	#
38)	Toxaphene...	7.989	8.722	25023	31136	0.345	0.493	#
39)	Toxaphene...	8.193f	8.773	1515964	1582837	15.409	BelowCal	#
40)	Toxaphene...	0.000	8.960	0	136174	N.D.	2.319	#
41)	Toxaphene...	8.527	9.335	5603738	18453	75.935	0.287	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

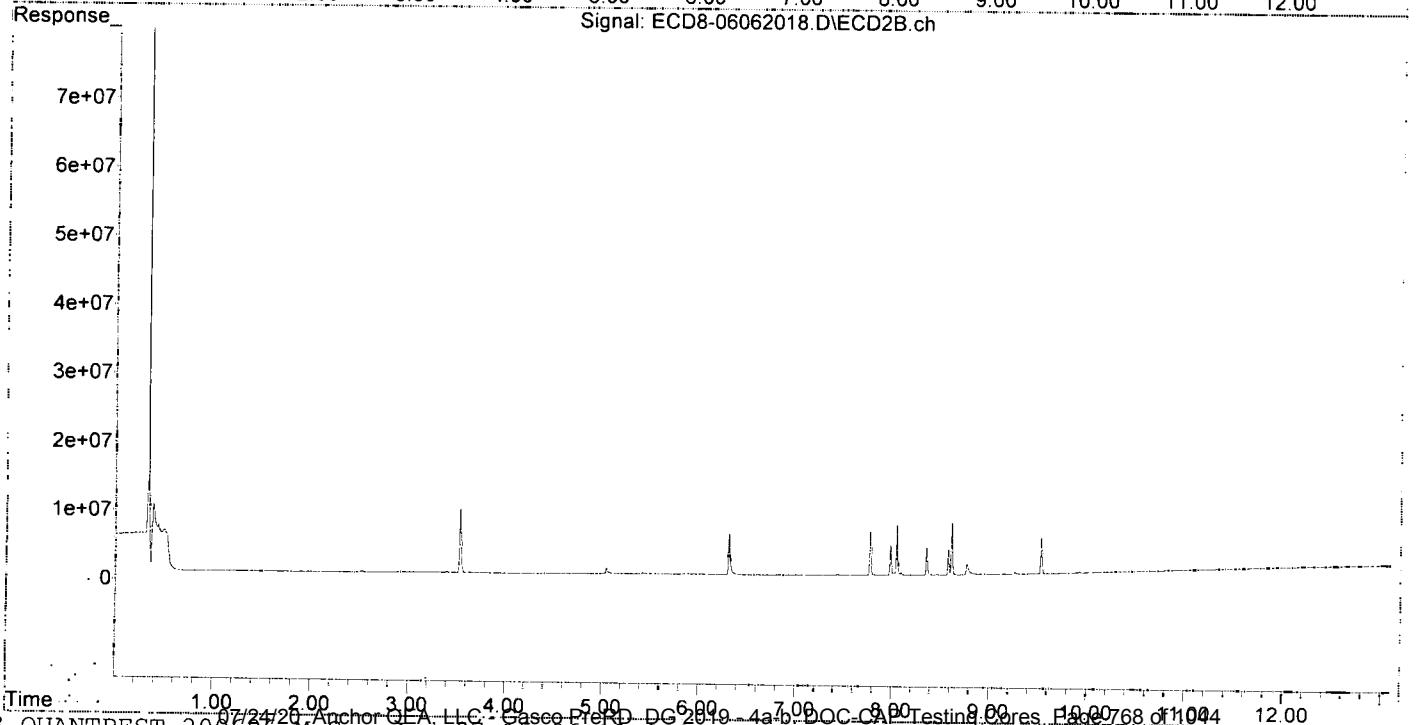
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:25
Operator : MJB
Sample : 0F06008-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:42
Operator : MJB
Sample : 0F06008-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

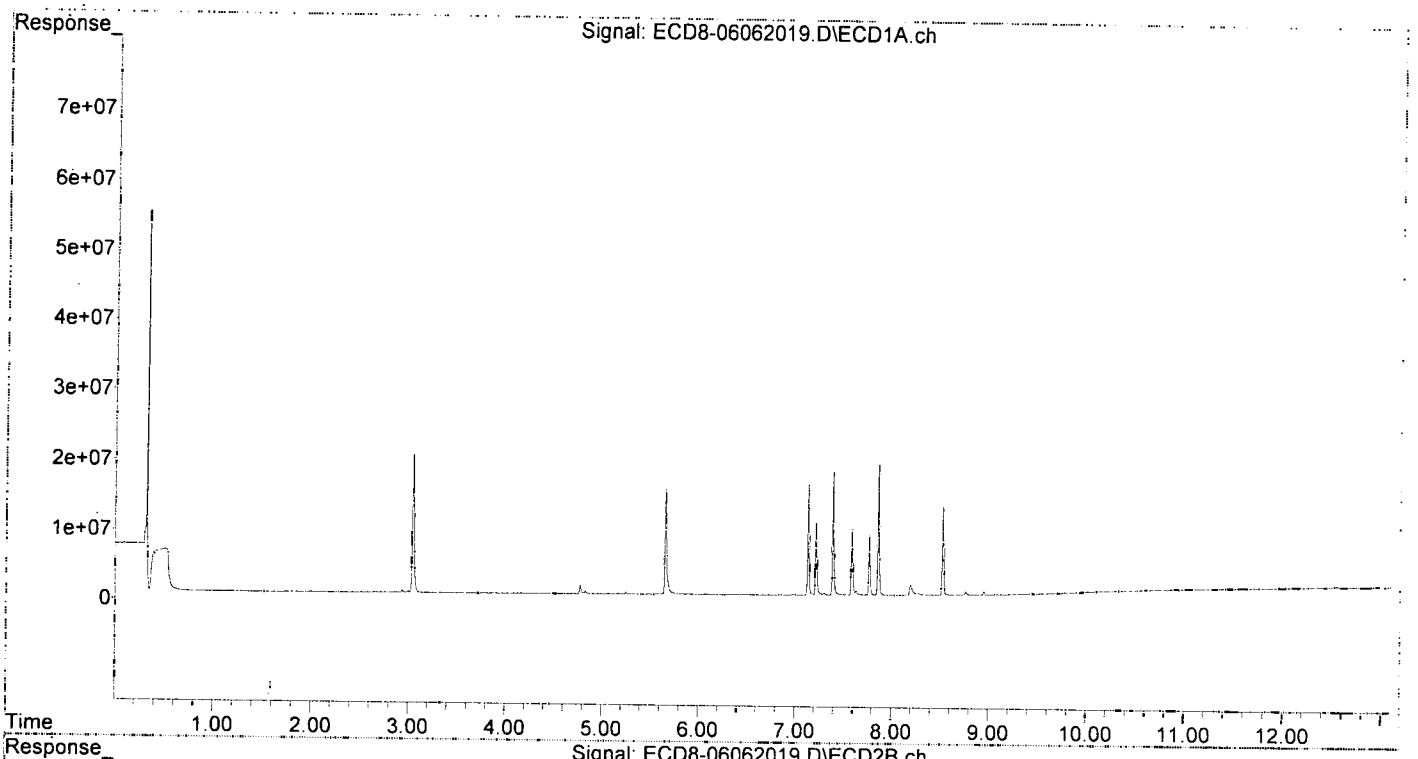
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.249f	5.844	301208	49410	0.083	0.014	#
22)	S DCBP (S)	9.481	10.388	23937	30129	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.816	6.444	70364	72587	0.014	0.015	
3)	g-BHC	6.095	6.811f	8304	11458	0.002	0.003	#
4)	b-BHC	6.178	6.842	16774	23095	0.009	0.013	#
5)	Heptachlor	6.505	7.142	59018	55957	0.015	0.013	
6)	d-BHC	6.327	7.091	17902	36855	0.038	0.045	
7)	Aldrin	6.754	7.401	13446	7767	0.003	0.002	#
8)	Heptachlo...	7.216	0.000	10644145	0	2.693	N.D.	#
9)	trans-Chl...	7.302	7.984	337353	10681498	0.084	2.798	#
10)	cis-Chlor...	7.392	8.095	17817126	837073	4.700	0.225	#
11)	Endosulfa...	7.499	8.152	128604	57340	0.035	0.017	#
12)	4,4'-DDE	7.499f	8.206	128604	30341	0.035	0.015	#
13)	Dieldrin	7.633f	8.359	639311	9138537	0.158	2.370	#
14)	Endrin	7.862f	8.581	18915433	8951762	5.605	3.028	#
15)	4,4'-DDD	7.862f	8.617	18915433	17752573	6.629	6.669	
16)	Endosulfa...	7.991	8.718	34208	34030	0.011	0.011	
17)	4,4'-DDT	8.085	8.868	13760	103064	0.015	0.003	#
18)	Endrin Al...	8.280	8.959	218891	118264	BelowCal	0.041	
19)	Endosulfa...	8.576	9.151	106102	59219	0.036	0.020	#
20)	Methoxychlor	0.000	9.332	0	17727	N.D.	BelowCal	
21)	Endrin Ke...	8.763	9.536	474348	11563627	0.133	3.443	#
23)	Hexachlor...	3.047	3.534	19829693	22664682	5.079	5.095	
24)	Hexachlor...	5.657	6.314	15146184	13589298	4.769	4.596	
25)	Oxychlordane	7.135	7.775	15911628	14761477	4.846	4.817	
26)	2,4'-DDE	7.216	7.984	10644145	10681498	4.447	4.823	
27)	trans-Non...	7.392	8.050	17817126	16374211	4.910	4.765	
28)	2,4'-DDD	7.588	8.359	9382730	9138537	4.826	4.397	
29)	2,4'-DDT	7.769	8.581	8777458	8951762	4.654	4.649	
30)	cis-Nonac...	7.862	8.617	18915433	17752573	4.600	4.442	
31)	Mirex	8.527	9.536	12781446	11563627	4.927	4.883	
32)	Chlordane...	7.302	7.984	337353	10681498	0.817	24.660	#
33)	Chlordane...	7.392	8.095	17817126	837073	34.630	2.294	#
34)	Chlordane...	0.000	8.773	0	1594489	N.D.	13.368	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.392	8.359f	17817126	9138537	1100.255	278.497	#
37)	Toxaphene...	7.633f	0.000	639311	0	16.628	N.D.	#
38)	Toxaphene...	7.991	8.718	34208	34030	0.472	0.539	
39)	Toxaphene...	8.195f	8.773	1539441	1594489	15.795	BelowCal	#
40)	Toxaphene...	0.000	8.959	0	118264	N.D.	2.014	#
41)	Toxaphene...	8.527	9.332	12781446	17727	173.199	0.276	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

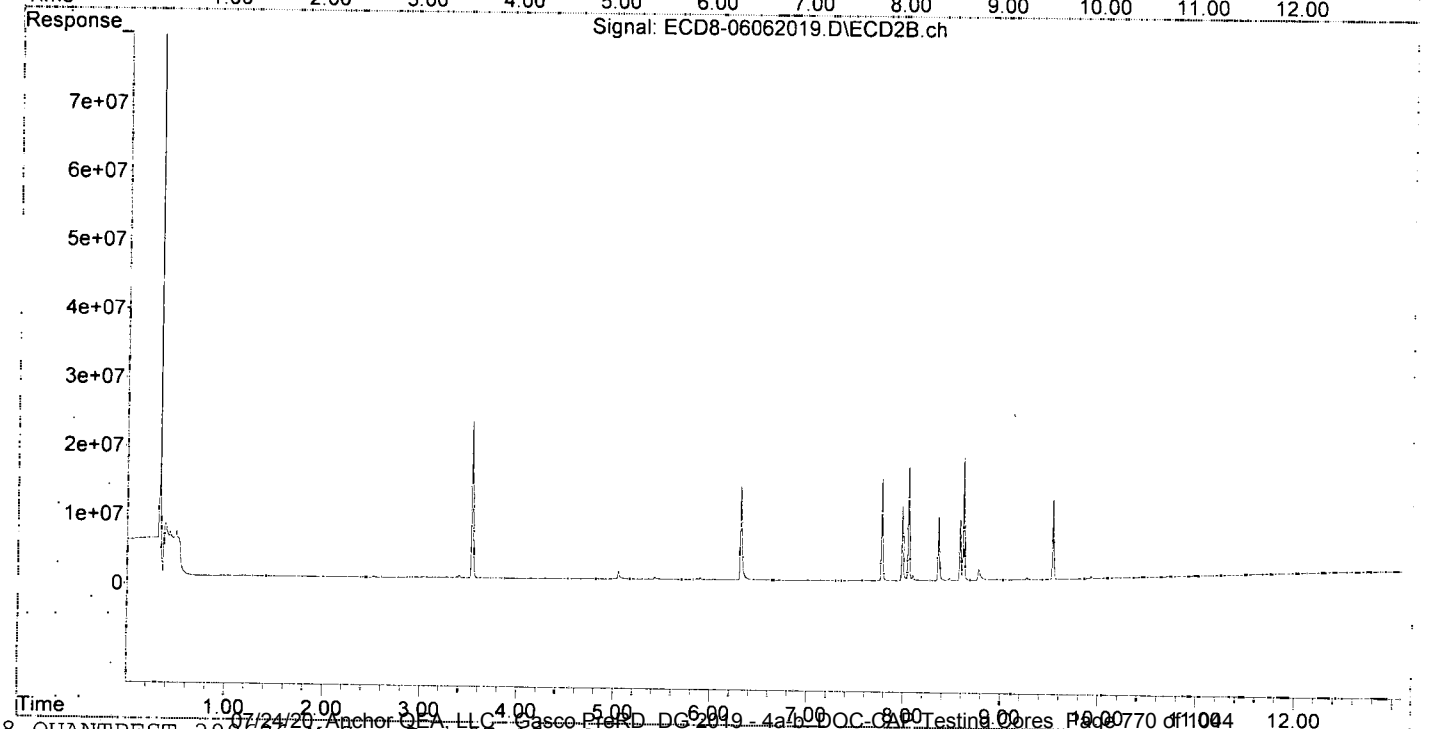
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:42
Operator : MJB
Sample : 0F06008-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:58
Operator : MJB
Sample : 0F06008-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:28 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

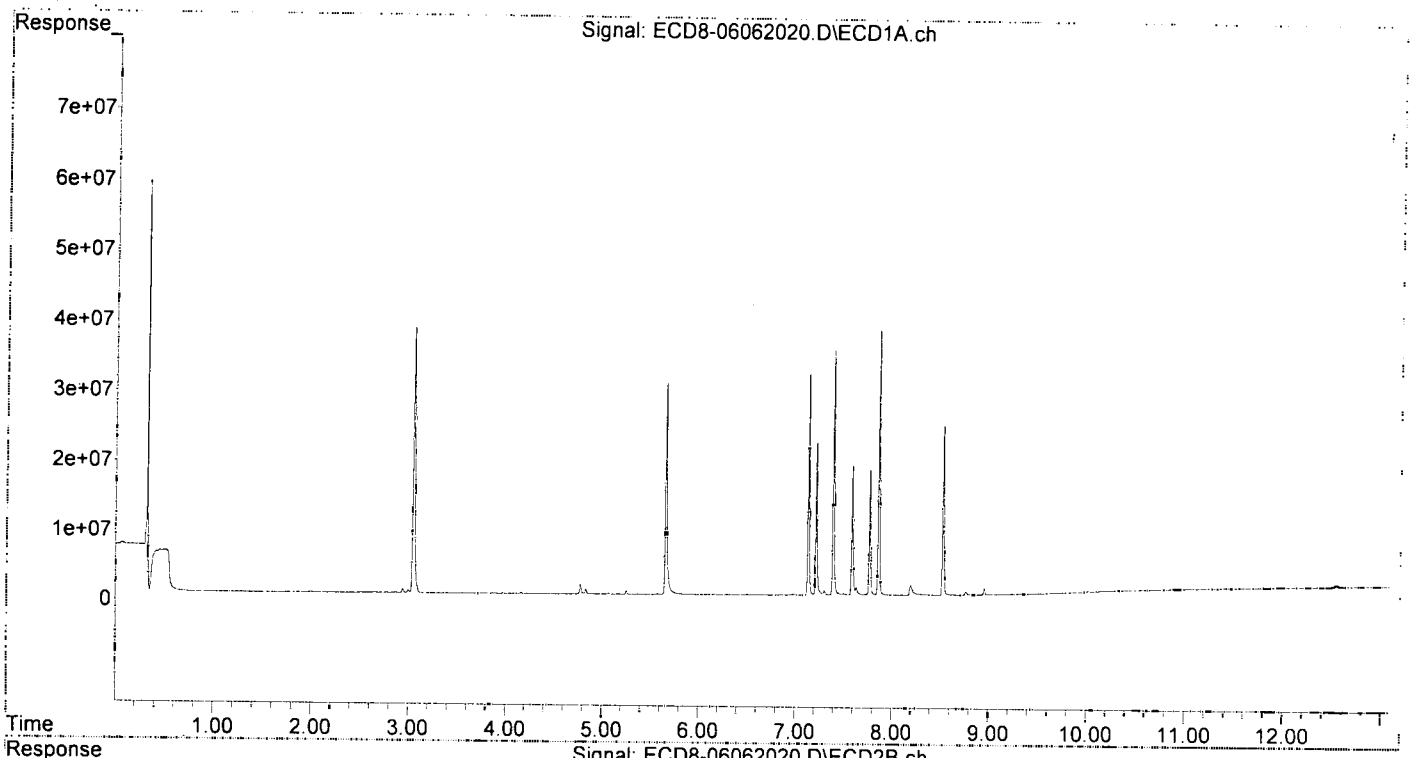
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.250f	5.861	538318	156026	0.148	0.044	#
22)	S DCBP (S)	0.000	10.382	0	35880	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	5.813	6.424f	115678	174985	0.024	0.037	#
3)	g-BHC	6.067f	6.786	85615	14939	0.020	0.003	#
4)	b-BHC	6.179	6.840	31515	21281	0.017	0.012	#
5)	Heptachlor	6.505	7.141	116022	106367	0.029	0.025	
6)	d-BHC	6.326	7.093	25591	48925	0.040	0.049	
7)	Aldrin	6.756	7.395	10228	7161	0.002	0.002	
8)	Heptachlo...	7.215	0.000	22083596	0	5.588	N.D.	#
9)	trans-Chl...	7.302	7.984	639702	21303568	0.159	5.580	#
10)	cis-Chlor...	7.392	8.094	35211712	1514183	9.459	0.406	#
11)	Endosulfa...	7.500	8.157	226027	103746	0.061	0.031	#
12)	4,4'-DDE	7.500f	8.206	226027	51388	0.062	0.021	#
13)	Dieldrin	7.634f	8.358	1150862	18319171	0.285	4.752	#
14)	Endrin	7.862f	8.582	37945033	18833586	11.244	6.370	#
15)	4,4'-DDD	7.862f	8.617	37945033	37094585	13.299	13.765	
16)	Endosulfa...	0.000	8.718	0	37526	N.D.	0.012	#
17)	4,4'-DDT	8.084	0.000	20302	0	0.018	N.D.	#
18)	Endrin Al...	8.280	8.960	193280	92604	BelowCal	0.032	
19)	Endosulfa...	0.000	9.151	0	38512	N.D.	0.013	#
20)	Methoxychlor	8.422	9.329	18876	13331	BelowCal	BelowCal	
21)	Endrin Ke...	8.764	9.536	474223	22120715	0.133	6.586	#
23)	Hexachlor...	3.047	3.534	38036984	43322437	9.916	9.882	
24)	Hexachlor...	5.656	6.314	30381416	27742495	9.726	9.509	
25)	Oxychlordane	7.134	7.775	31811761	29171276	9.866	9.694	
26)	2,4'-DDE	7.215	7.984	22083596	21303568	9.227	9.799	
27)	trans-Non...	7.392	8.049	35211712	33268899	9.961	9.908	
28)	2,4'-DDD	7.587	8.358	18731913	18319171	9.795	8.814	
29)	2,4'-DDT	7.769	8.582	18035412	18833586	9.693	9.870	
30)	cis-Nonac...	7.862	8.617	37945033	37094585	9.228	9.281	
31)	Mirex	8.527	9.536	24415174	22120715	9.701	9.583	
32)	Chlordane...	7.302	7.984	639702	21303568	1.549	49.184	#
33)	Chlordane...	7.392	8.094	35211712	1514183	68.438	4.150	#
34)	Chlordane...	0.000	8.773	0	1554331	N.D.	13.031	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.392	8.316	35211712	8930	2131.327	0.272	#
37)	Toxaphene...	7.634f	0.000	1150862	0	32.910	N.D.	#
38)	Toxaphene...	0.000	8.718	0	37526	N.D.	0.594	#
39)	Toxaphene...	8.192f	8.773	1464971	1554331	14.570	BelowCal	#
40)	Toxaphene...	8.422f	8.960	18876	92604	0.362	1.577	#
41)	Toxaphene...	8.527	9.329	24415174	13331	330.845	0.207	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

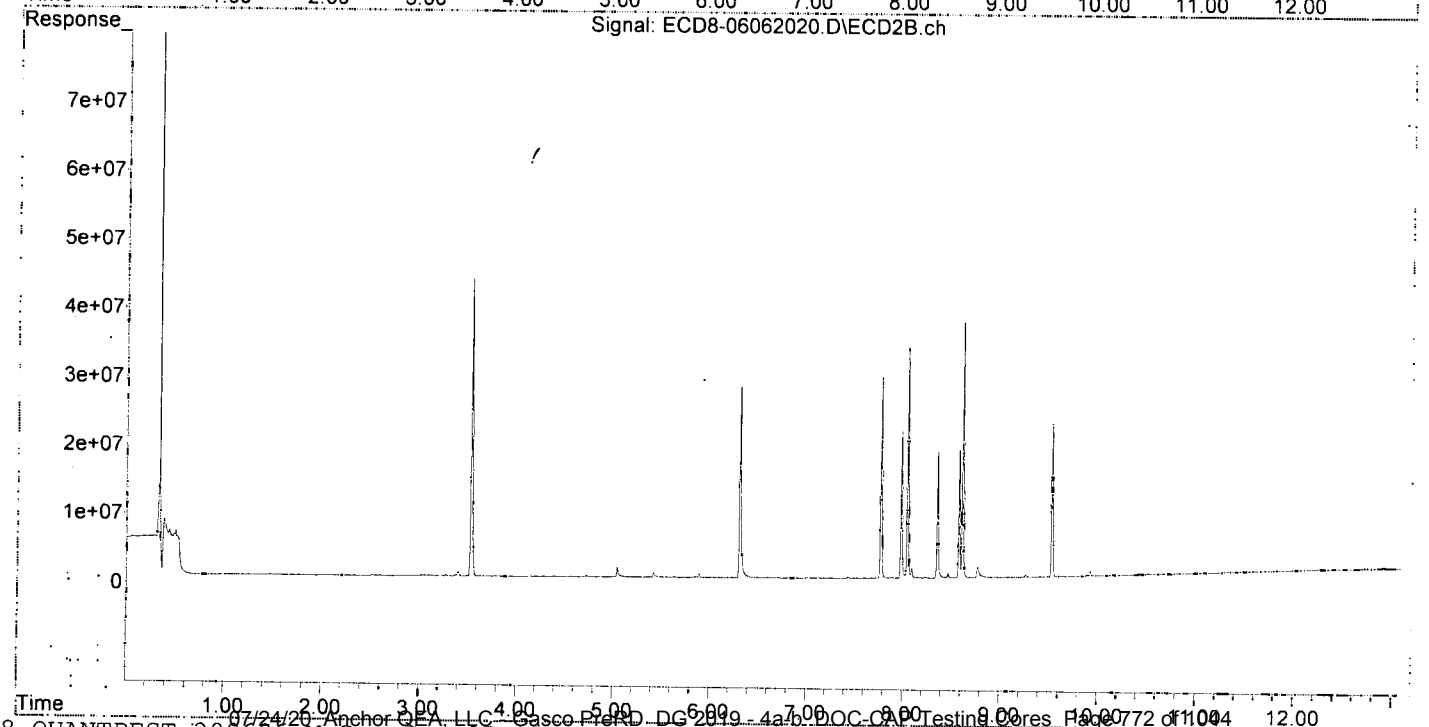
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:58
Operator : MJB
Sample : 0F06008-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:28 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:15
Operator : MJB
Sample : 0F06008-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 6/7/20

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.249f	5.856	1240308	163621	0.340	0.046	#
22)	S DCBP (S)	9.482	10.385	60281	63188	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.809	6.431f	239331	290947	0.049	0.061	
3)	g-BHC	6.094	6.784	93914	108688	0.022	0.025	
4)	b-BHC	6.167	6.840	102463	110091	0.057	0.060	
5)	Heptachlor	6.503	7.141	309783	308024	0.078	0.073	
6)	d-BHC	6.324	7.096	92836	120196	0.060	0.068	
7)	Aldrin	6.763	7.405	55524	40884	0.013	0.010	
8)	Heptachlo...	7.214	7.828	58290492	240902	14.750	0.064	#
9)	trans-Chl...	7.301	7.983	1350698	58724684	0.336	15.381	#
10)	cis-Chlor...	7.390	8.093	90111332	3169229	24.277	0.851	#
11)	Endosulfa...	7.498	8.161	746111	184976	0.203	0.055	#
12)	4,4'-DDE	7.498f	8.206	746111	158730	0.204	0.054	#
13)	Dieldrin	7.633f	8.357	2624022	50440715	0.650	13.083	#
14)	Endrin	7.861f	8.581	97417447	52198495	28.868	17.656	#
15)	4,4'-DDD	7.861f	8.617	97417447	96357003	34.143	34.389	
16)	Endosulfa...	8.013f	8.718	122870	58209	0.040	0.019	#
17)	4,4'-DDT	8.084	8.847	124557	160089	0.064	0.026	#
18)	Endrin Al...	8.278	8.961	238734	68767	BelowCal	0.024	
19)	Endosulfa...	0.000	9.152	0	39593	N.D.	0.013	#
20)	Methoxychlor	8.425	9.332	87730	30985	BelowCal	BelowCal	
21)	Endrin Ke...	8.761	9.535	499135	57280592	0.140	17.054	#
23)	Hexachlor...	3.048	3.534	95294680	111.2E6	25.121	25.472	
24)	Hexachlor...	5.656	6.313	79880115	79728985	25.615	26.932	
25)	Oxychlordane	7.133	7.774	81758626	78433559	25.513	26.106	
26)	2,4'-DDE	7.214	7.983	58290492	58724684	24.355	26.810	
27)	trans-Non...	7.390	8.050	90111332	87275991	25.754	26.096	
28)	2,4'-DDD	7.585	8.357	49825773	50440715	26.046	24.270	
29)	2,4'-DDT	7.768	8.581	50321319	52198495	26.842	26.789	
30)	cis-Nonac...	7.861	8.617	97417447	96357003	23.691	24.108	
31)	Mirex	8.527	9.535	62846910	57280592	25.431	25.096	
32)	Chlordane...	7.301	7.983	1350698	58724684	3.270	135.578	#
33)	Chlordane...	7.390	8.093	90111332	3169229	175.143	8.687	#
34)	Chlordane...	0.000	8.770	0	1636426	N.D.	13.720	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.390	8.317	90111332	8783	5136.883	0.268	#
37)	Toxaphene...	7.633f	0.000	2624022	0	79.816	N.D.	#
38)	Toxaphene...	8.013f	8.718	122870	58209	1.694	0.921	#
39)	Toxaphene...	8.191f	8.770	1626593	1636426	17.229	BelowCal	#
40)	Toxaphene...	8.425f	8.961	87730	68767	1.684	1.171	#
41)	Toxaphene...	8.527	9.332	62846910	30985	851.625	0.482	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062021.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  6 Jun 2020  20:15
Operator  : MJB
Sample    : 0F06008-CALF
Misc      : A20C357, 9-42 25 ppb
ALS Vial  : 19   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title  : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation
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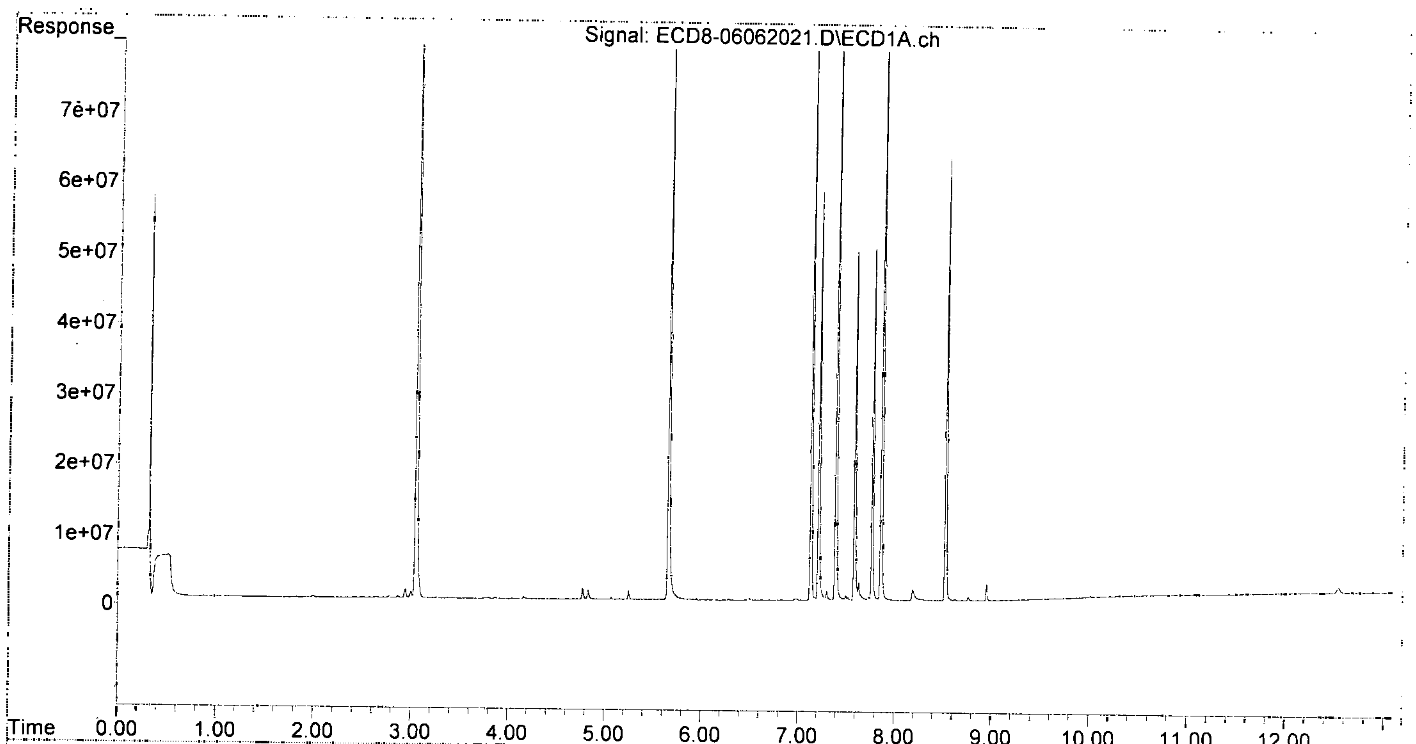
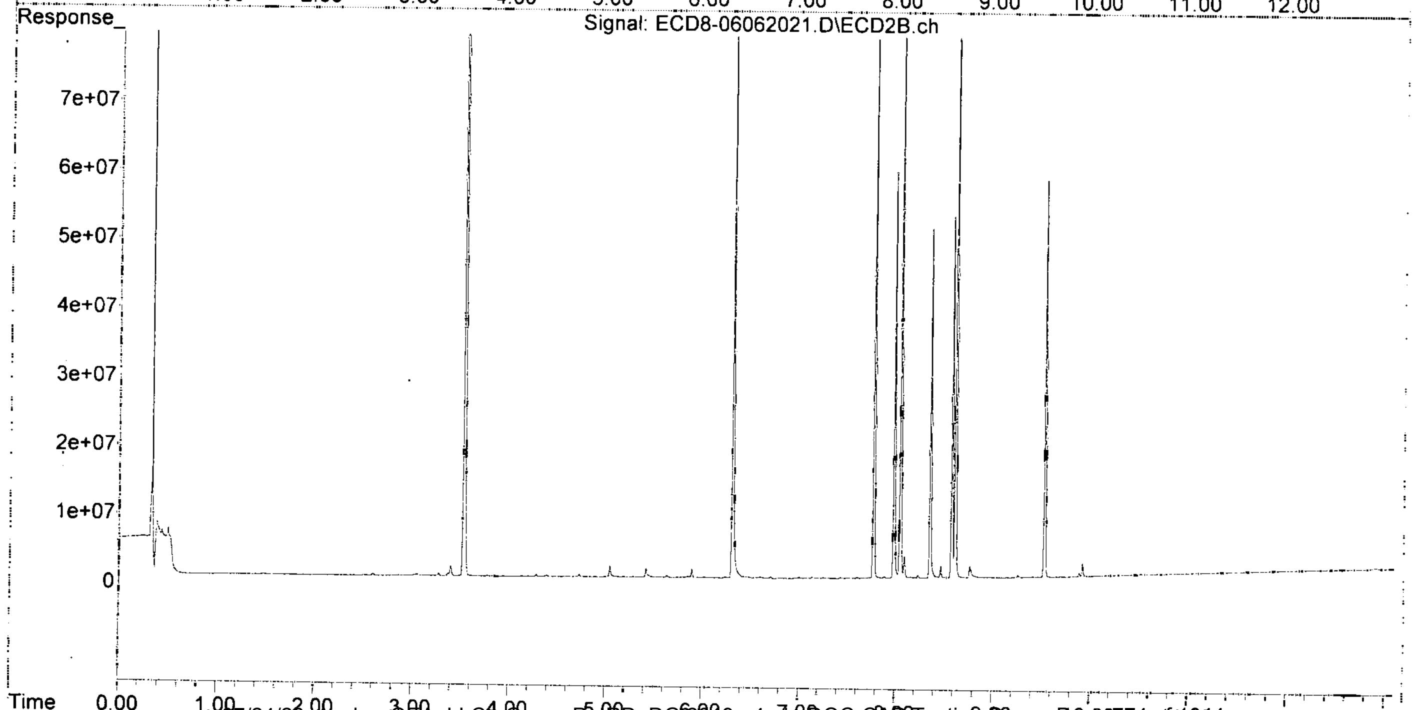




Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:31
Operator : MJB
Sample : 0F06008-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

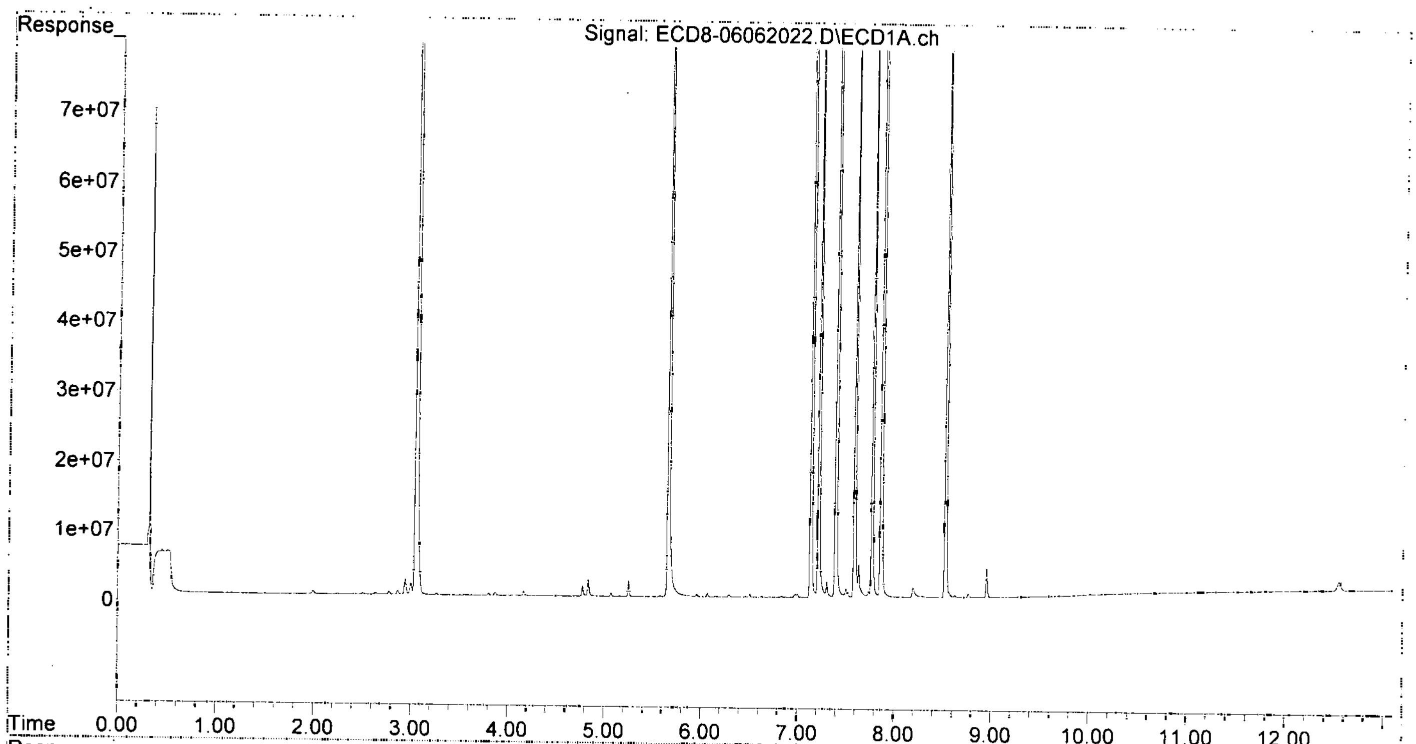
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.249f	5.859	2278604	114210	0.625	0.032	#
22)	S DCBP (S)	9.484	10.385	26895	20181	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	0.000	6.492f	0	193846	N.D.	0.041	#
3)	g-BHC	6.067f	6.771	551919	9179	0.129	0.002	#
4)	b-BHC	6.149f	6.841	61264	24494	0.034	0.013	#
5)	Heptachlor	6.505	7.142	451498	434893	0.114	0.103	
6)	d-BHC	6.290f	7.106	381111	113271	0.145	0.066	#
7)	Aldrin	6.709f	7.402	92784	27193	0.022	0.007	#
8)	Heptachlo...	7.214	7.827	112.8E6	475984	28.537	0.126	#
9)	trans-Chl...	7.302	7.983	2306234	115.7E6	0.573	30.310	#
10)	cis-Chlor...	7.391	8.093	177.0E6	5905244	47.124	1.585	#
11)	Endosulfa...	7.499	8.159	1274676	361809	0.346	0.107	#
12)	4,4'-DDE	7.477	8.205	463690	283934	0.127	0.092	#
13)	Dieldrin	7.633f	8.357	4742186	98432282	1.175	25.531	#
14)	Endrin	7.861f	8.581	194.0E6	104.0E6	57.480	35.166	#
15)	4,4'-DDD	7.861f	8.617	194.0E6	189.8E6	67.982	64.133	
16)	Endosulfa...	8.014f	0.000	134972	0	0.044	N.D.	#
17)	4,4'-DDT	8.084	8.848	108251	203374	0.057	0.044	
18)	Endrin Al...	8.289	8.963	241893	91700	BelowCal	0.032	
19)	Endosulfa...	0.000	9.149	0	32180	N.D.	0.011	#
20)	Methoxychlor	0.000	9.332	0	36937	N.D.	BelowCal	
21)	Endrin Ke...	8.764	9.536	496552	111.5E6	0.139	33.187	#
23)	Hexachlor...	3.048	3.535	181.1E6	210.7E6	47.895	47.977	
24)	Hexachlor...	5.656	6.313	160.0E6	159.2E6	50.680	51.936	
25)	Oxychlordane	7.134	7.774	157.3E6	153.9E6	48.860	50.530	
26)	2,4'-DDE	7.214	7.983	112.8E6	115.7E6	47.123	51.342	
27)	trans-Non...	7.391	8.050	177.0E6	168.3E6	50.297	49.695	
28)	2,4'-DDD	7.586	8.357	97515455	98432282	50.199	47.361	
29)	2,4'-DDT	7.768	8.581	99153199	104.0E6	51.650	51.210	
30)	cis-Nonac...	7.861	8.617	194.0E6	189.8E6	47.173	47.488	
31)	Mirex	8.527	9.536	121.8E6	111.5E6	49.444	48.602	
32)	Chlordane...	7.302	7.983	2306234	115.7E6	5.583	267.173	#
33)	Chlordane...	7.391	8.093	177.0E6	5905244	343.945	16.186	#
34)	Chlordane...	0.000	8.774	0	1516202	N.D.	12.712	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.391	8.357f	177.0E6	98432282	9321.945	2999.722	#
37)	Toxaphene...	7.633f	8.675	4742186	311778	147.302	7.321	#
38)	Toxaphene...	8.014f	8.675f	134972	311778	1.861	4.934	#
39)	Toxaphene...	8.194f	8.774	1437320	1516202	14.115	BelowCal	#
40)	Toxaphene...	0.000	8.963	0	91700	N.D.	1.562	#
41)	Toxaphene...	8.527	9.332	121.8E6	36937	1650.421	0.575	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

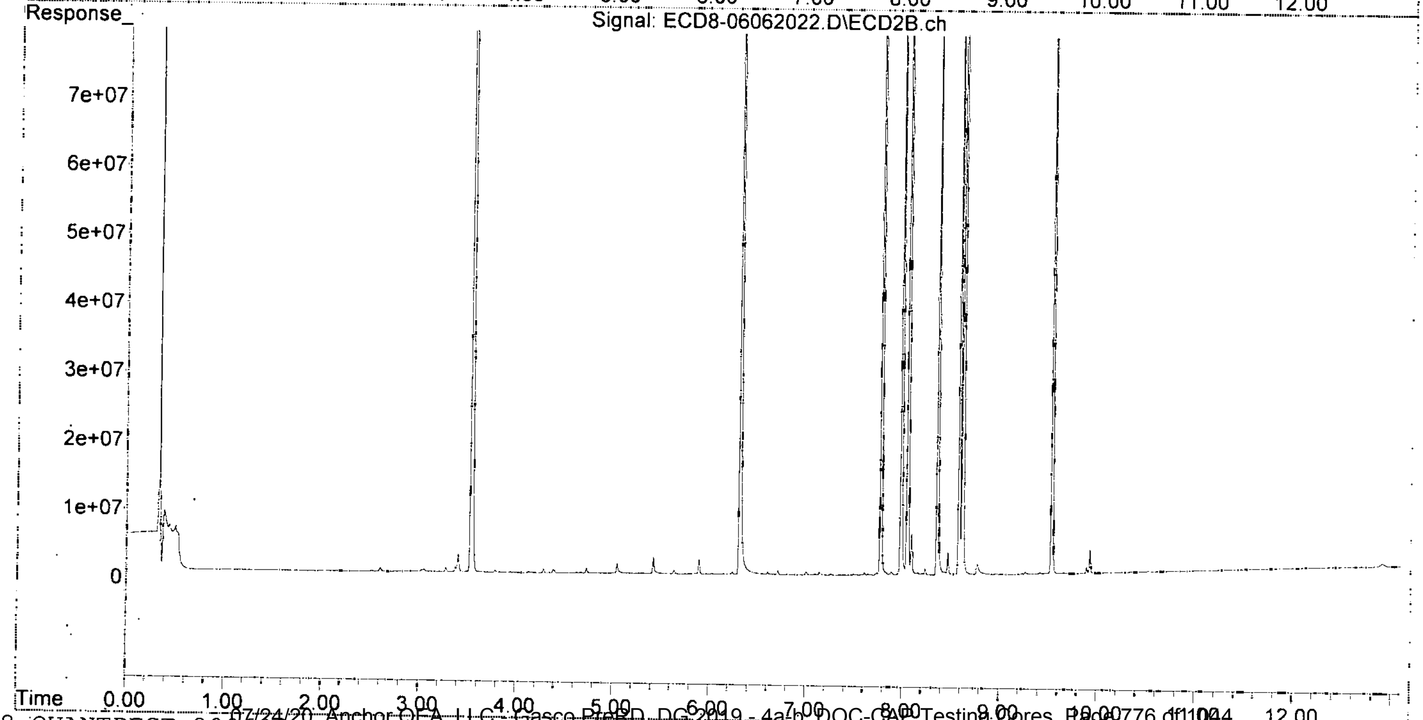
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:31
Operator : MJB
Sample : 0F06008-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:00:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:48
Operator : MJB
Sample : 0F06008-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

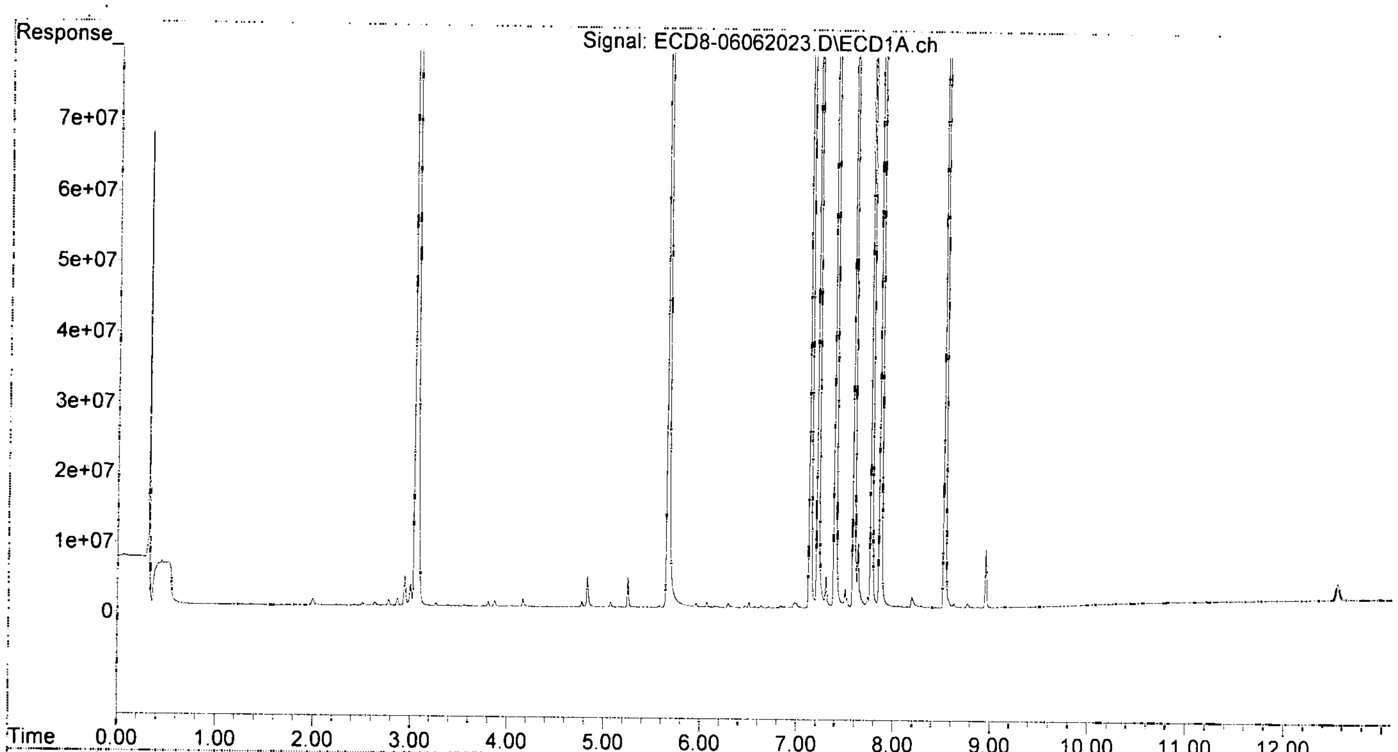
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.249f	5.844	4244313	51931	1.164	0.015	#
22)	S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.068f	6.781	805694	84423	0.189	0.020	#
4)	b-BHC	6.188	6.842	101251	75866	0.056	0.042	#
5)	Heptachlor	6.506	7.141	808363	802887	0.204	0.189	
6)	d-BHC	6.290f	7.105	630291	192707	0.218	0.087	#
7)	Aldrin	6.736	7.398	30144	36638	0.007	0.009	#
8)	Heptachlo...	7.213	7.828	231.3E6	868723	58.532	0.231	#
9)	trans-Chl...	7.301	7.983	4467047	247.4E6	1.110	64.799	#
10)	cis-Chlor...	7.391	8.094	366.4E6	11605707	94.703	3.115	#
11)	Endosulfa...	7.499	8.160	2762485	615681	0.750	0.182	#
12)	4,4'-DDE	7.476	8.205	756147	768887	0.206	0.239	
13)	Dieldrin	7.633f	8.357	9188140	208.4E6	2.276	54.056	#
14)	Endrin	7.861f	8.581	396.8E6	230.9E6	117.578	78.115	#
15)	4,4'-DDD	7.861f	8.617	396.8E6	394.5E6	139.062	120.953	
16)	Endosulfa...	8.014f	0.000	290520	0	0.095	N.D.	#
17)	4,4'-DDT	8.084	8.849	249156	309895	0.119	0.087	#
18)	Endrin Al...	8.289	8.964	320688	138107	BelowCal	0.048	
19)	Endosulfa...	0.000	9.149	0	35906	N.D.	0.012	#
20)	Methoxychlor	0.000	9.331	0	64464	N.D.	BelowCal	
21)	Endrin Ke...	8.766	9.536	555391	238.4E6	0.156	70.983	#
23)	Hexachlor...	3.049	3.534	363.4E6	428.8E6	96.181	95.903	
24)	Hexachlor...	5.657	6.313	328.0E6	337.8E6	100.857	102.520	
25)	Oxychlordane	7.134	7.775	326.9E6	322.2E6	99.855	102.165	
26)	2,4'-DDE	7.213	7.983	231.3E6	247.4E6	96.652	102.978	
27)	trans-Non...	7.391	8.050	366.4E6	358.6E6	102.094	102.345	
28)	2,4'-DDD	7.585	8.357	204.1E6	208.4E6	101.221	100.277	
29)	2,4'-DDT	7.768	8.581	208.6E6	230.9E6	103.160	104.198	
30)	cis-Nonac...	7.861	8.617	396.8E6	394.5E6	96.494	98.701	
31)	Mirex	8.527	9.536	244.0E6	238.4E6	98.774	101.906	
32)	Chlordane...	7.301	7.983	4467047	247.4E6	10.814	571.190	#
33)	Chlordane...	7.391	8.094	366.4E6	11605707	712.117	31.810	#
34)	Chlordane...	0.000	8.772	0	1660723	N.D.	13.923	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.391	8.357f	366.4E6	208.4E6	16948.913	6351.268	#
37)	Toxaphene...	7.633f	0.000	9188140	0	289.123	N.D.	#
38)	Toxaphene...	8.014f	0.000	290520	0	4.005	N.D.	#
39)	Toxaphene...	8.194f	8.772	1535723	1660723	15.734	BelowCal	#
40)	Toxaphene...	0.000	8.964	0	138107	N.D.	2.352	#
41)	Toxaphene...	8.527	9.331	244.0E6	64464	3305.757	1.003	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

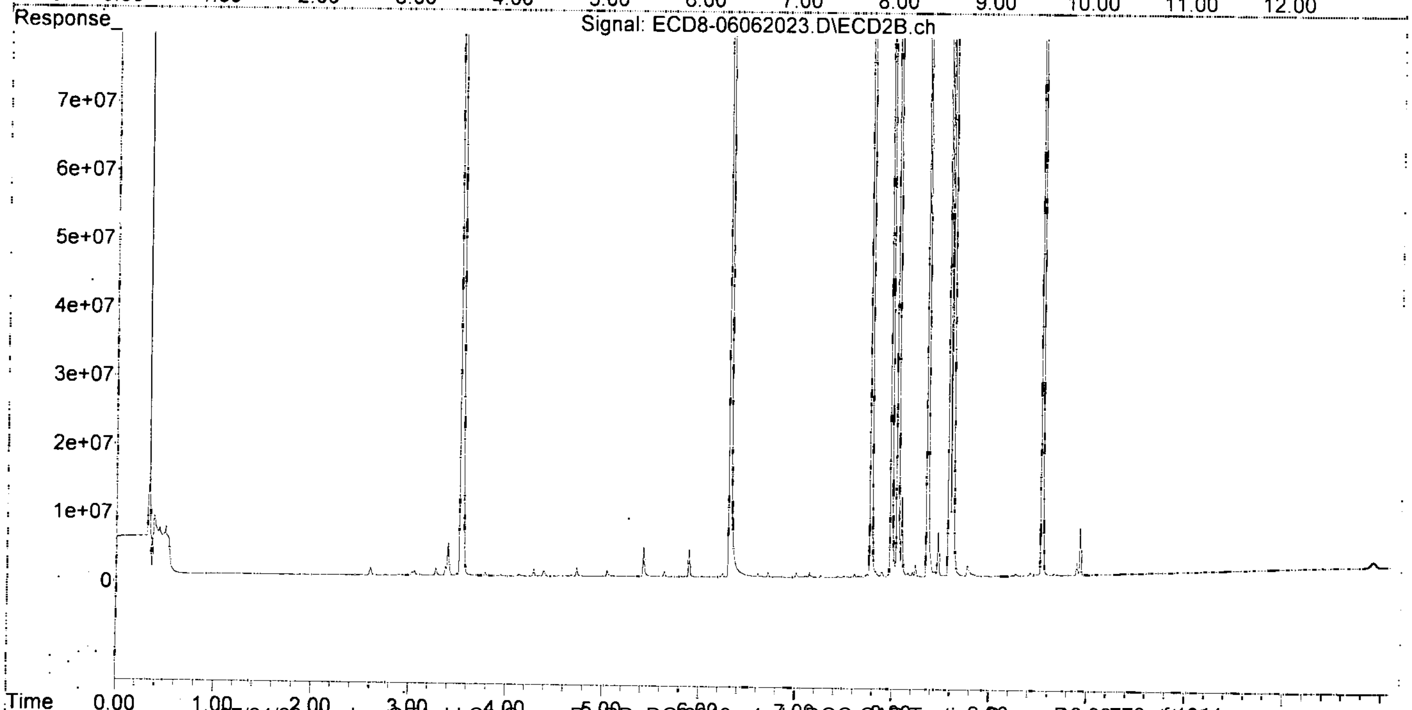
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062023.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  6 Jun 2020  20:48
Operator  : MJB
Sample    : 0F06008-CALH
Misc      : A20C359, 9-42 100 ppb
ALS Vial  : 21   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title  : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation
```





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:04
Operator : MJB
Sample : 0F06008-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

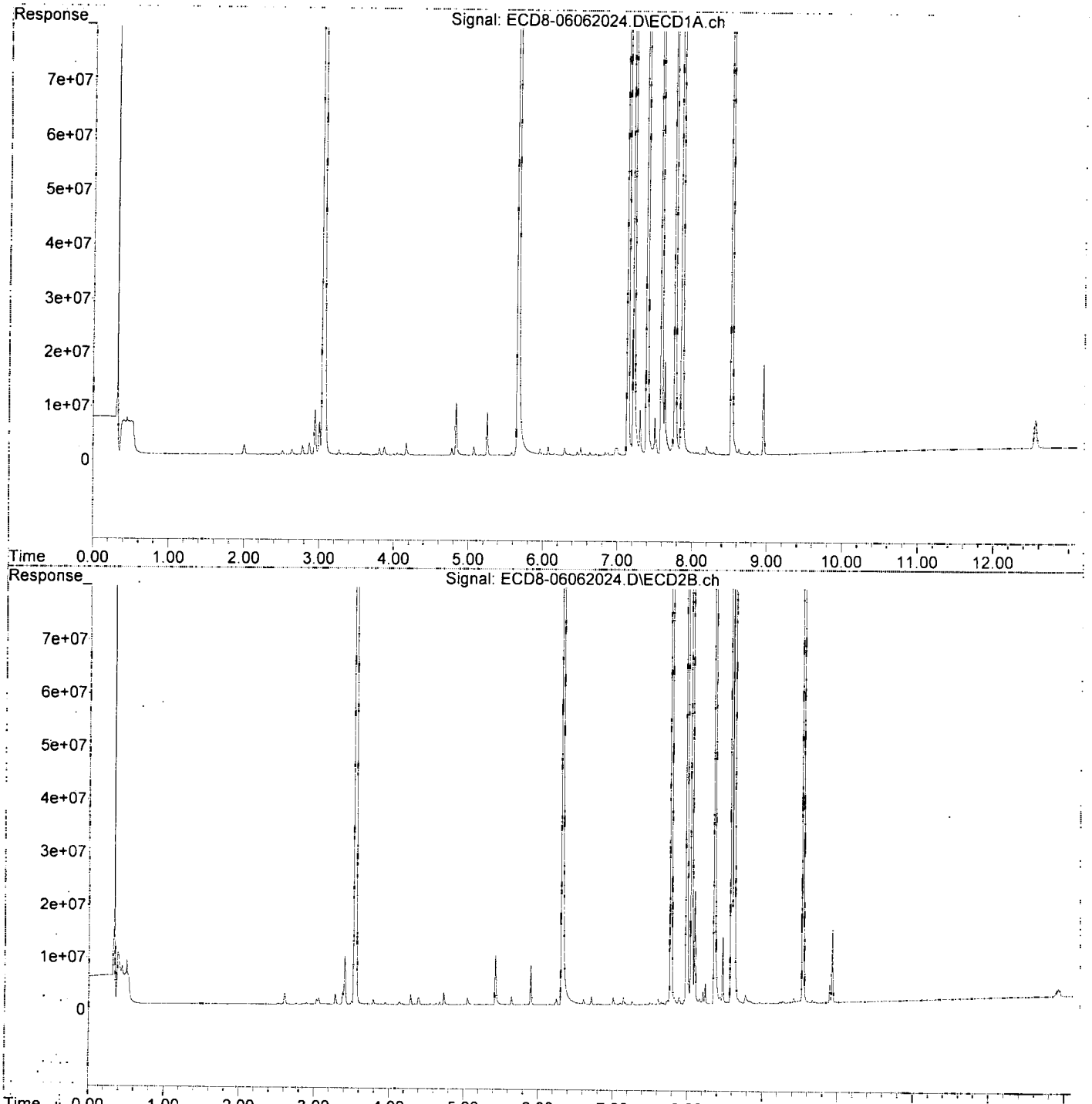
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.249f	5.859	7992791	148108	2.191	0.042	#
22)	S DCBP (S)	9.484	10.394	39481	15662	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.068f	6.782	1699536	156746	0.398	0.037	#
4)	b-BHC	6.151f	6.843	324223	142062	0.180	0.078	#
5)	Heptachlor	6.505	7.142	1520423	1486371	0.385	0.351	
6)	d-BHC	6.288f	7.105	1379378	384143	0.437	0.139	#
7)	Aldrin	6.736	7.403	48939	65755	0.011	0.016	#
8)	Heptachlo...	7.213	7.828	484.6E6	1403502	122.633	0.373	#
9)	trans-Chl...	7.301	7.983	8404883	523.6E6	2.089	137.134	#
10)	cis-Chlor...	7.391	8.094	736.3E6	21386293	180.295	5.740	#
11)	Endosulfa...	7.499	8.160	6906995	1086862	1.876	0.320	#
12)	4,4'-DDE	7.477	8.206	1238555	2384745	0.338	0.727	#
13)	Dieldrin	7.633f	8.358	17346617	447.2E6	4.297	115.993	#
14)	Endrin	7.862f	8.582	807.5E6	495.5E6	239.283	167.601	#
15)	4,4'-DDD	7.862f	8.618	807.5E6	857.8E6	283.004	224.878	
16)	Endosulfa...	8.014f	0.000	533670	0	0.175	N.D.	#
17)	4,4'-DDT	8.084	8.849	489841	507769	0.225	0.166	#
18)	Endrin Al...	8.290	8.964	515881	251742	BelowCal	0.087	
19)	Endosulfa...	0.000	9.150	0	36905	N.D.	0.012	#
20)	Methoxychlor	8.406	9.338	40993	113491	BelowCal	BelowCal	
21)	Endrin Ke...	8.768	9.537	649693	486.1E6	0.182	144.732	#
23)	Hexachlor...	3.049	3.536	778.2E6	957.1E6	205.724	205.161	
24)	Hexachlor...	5.657	6.313	684.1E6	729.6E6	198.523	195.898	
25)	Oxychlordane	7.135	7.775	680.8E6	662.5E6	200.914	197.152	
26)	2,4'-DDE	7.213	7.983	484.6E6	523.6E6	202.499	195.663	
27)	trans-Non...	7.391	8.050	736.3E6	736.7E6	197.308	197.548	
28)	2,4'-DDD	7.585	8.358	428.4E6	447.2E6	198.256	215.174	
29)	2,4'-DDT	7.768	8.582	431.1E6	495.5E6	195.214	195.100	
30)	cis-Nonac...	7.862	8.618	807.5E6	857.8E6	196.375	214.621	
31)	Mirex	8.528	9.537	503.2E6	486.1E6	201.625	199.742	
32)	Chlordane...	7.301	7.983	8404883	523.6E6	20.348	1208.805	#
33)	Chlordane...	7.391	8.094	736.3E6	21386293	1431.070	58.618	#
34)	Chlordane...	0.000	8.773	0	1696109	N.D.	14.220	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.391	8.358f	736.3E6	447.2E6	28680.851	13628.548	#
37)	Toxaphene...	7.633f	8.676	17346617	953276	549.970	22.385	#
38)	Toxaphene...	8.014f	8.676f	533670	953276	7.356	15.087	#
39)	Toxaphene...	8.247f	8.773	436387	1696109	BelowCal	0.338	
40)	Toxaphene...	0.000	8.964	0	251742	N.D.	4.287	#
41)	Toxaphene...	8.528	9.338	503.2E6	113491	6819.277	1.767	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:04
Operator : MJB
Sample : 0F06008-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:14 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:54
Operator : MJB
Sample : 0F06008-CALJ
Misc : A20F083, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 6/7/20

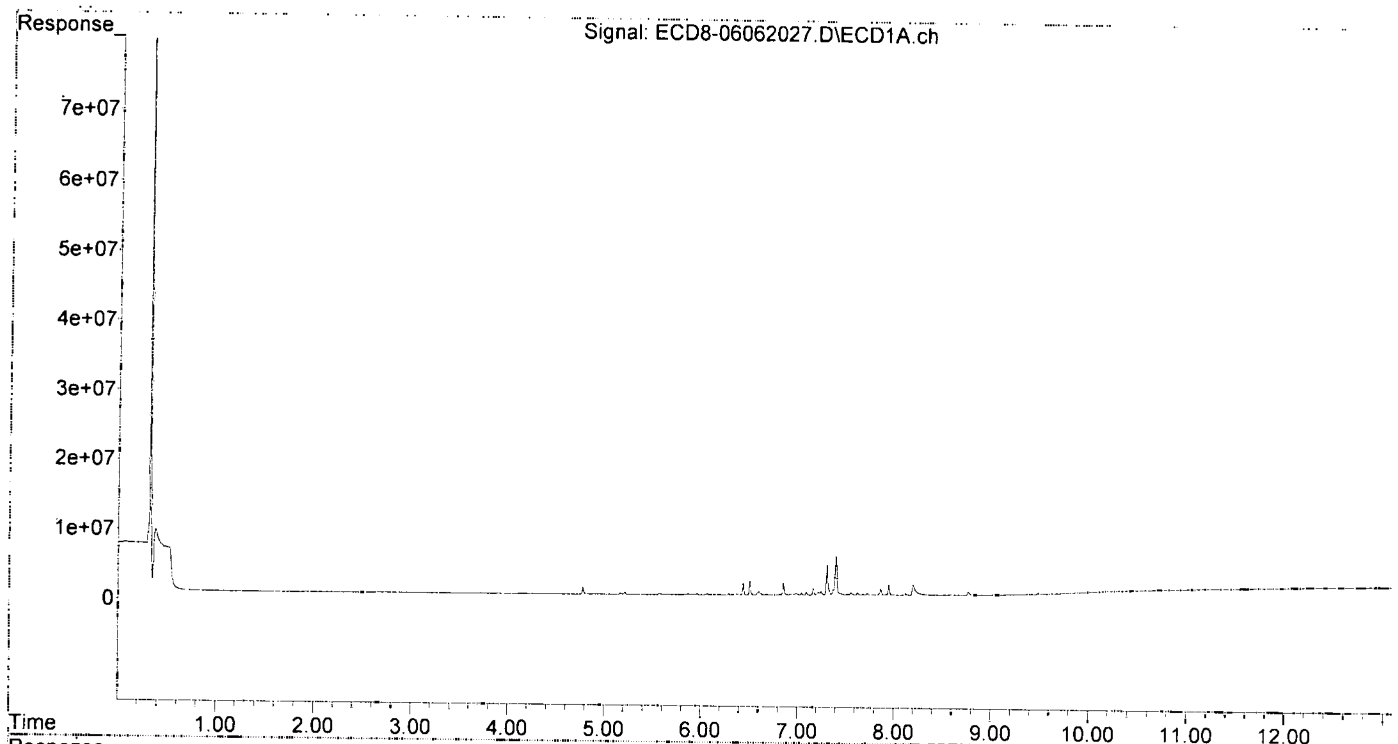
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.861	0	262058	N.D.	0.074	#
22)	S	DCBP (S)	9.484	10.394	207310	152475	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	5.817	6.479f	16921	123214	0.003	0.026	#
3)		g-BHC	6.067f	6.776	140339	61801	0.033	0.014	#
4)		b-BHC	6.174	6.835	23018	13633	0.013	0.007	#
5)		Heptachlor	6.505	7.141	2025134	2085654	0.512	0.492	
6)		d-BHC	6.325	7.093	60625	30857	0.051	0.044	
7)		Aldrin	6.749	7.373f	21825	71917	0.005	0.018	#
8)		Heptachlo...	7.217	7.866	424700	100221	0.107	0.027	#
9)		trans-Chl...	7.304	7.986	4408504	4481852	1.096	1.174	
10)		cis-Chlor...	7.398	8.094	5647776	3943445	1.351	1.058	
11)		Endosulfa...	7.516f	8.151	148614	59069	0.040	0.017	#
12)		4,4'-DDE	7.452	8.216	221166	127406	0.060	0.044	#
13)		Dieldrin	7.682	8.346	163185	320204	0.040	0.083	#
14)		Endrin	7.862f	8.571	905275	101483	0.268	0.034	#
15)		4,4'-DDD	7.862f	8.618	905275	907250	0.317	0.323	
16)		Endosulfa...	7.993	8.708	123890	124653	0.041	0.041	
17)		4,4'-DDT	8.087	8.851	55548	180013	0.034	0.034	
18)		Endrin Al...	8.277	8.958	200862	122795	BelowCal	0.042	
19)		Endosulfa...	8.585	9.150	129834	62425	0.044	0.021	#
20)		Methoxychlor	8.429	9.334	65496	65388	BelowCal	BelowCal	
21)		Endrin Ke...	8.766	9.550	457976	129248	0.128	0.038	#
23)		Hexachlor...	0.000	3.559f	0	54550	N.D.	BelowCal	
24)		Hexachlor...	5.652	6.311	11951	26619	BelowCal	BelowCal	
25)		Oxychlordane	7.131	7.788	29922	48831	BelowCal	BelowCal	
26)		2,4'-DDE	7.217	7.986	424700	4481852	0.177	1.886	#
27)		trans-Non...	7.398	8.051	5647776	3547230	1.363	0.834	#
28)		2,4'-DDD	7.552f	8.346	394101	320204	0.010	0.154	#
29)		2,4'-DDT	7.792f	8.589	118804	40528	BelowCal	BelowCal	
30)		cis-Nonac...	7.862	8.618	905275	907250	0.220	0.227	
31)		Mirex	8.522	9.550	37721	129248	BelowCal	BelowCal	
32)		Chlordane...	7.304	7.986	4408504	4481852	10.673	10.347	
33)		Chlordane...	7.398	8.094	5647776	3943445	10.977	10.809	
34)		Chlordane...	7.945	8.757	1511798	1377635	11.694	11.550	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.369	8.306	758462	44740	43.902	1.363	#
37)		Toxaphene...	7.682	8.675	163185	114285	1.477	2.684	#
38)		Toxaphene...	7.993	8.708	123890	124653	1.708	1.973	
39)		Toxaphene...	8.195f	8.773	1543461	1743153	15.861	0.860	#
40)		Toxaphene...	8.429	8.958	65496	122795	1.258	2.091	#
41)		Toxaphene...	8.516	9.334	33019	65388	0.447	1.018	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

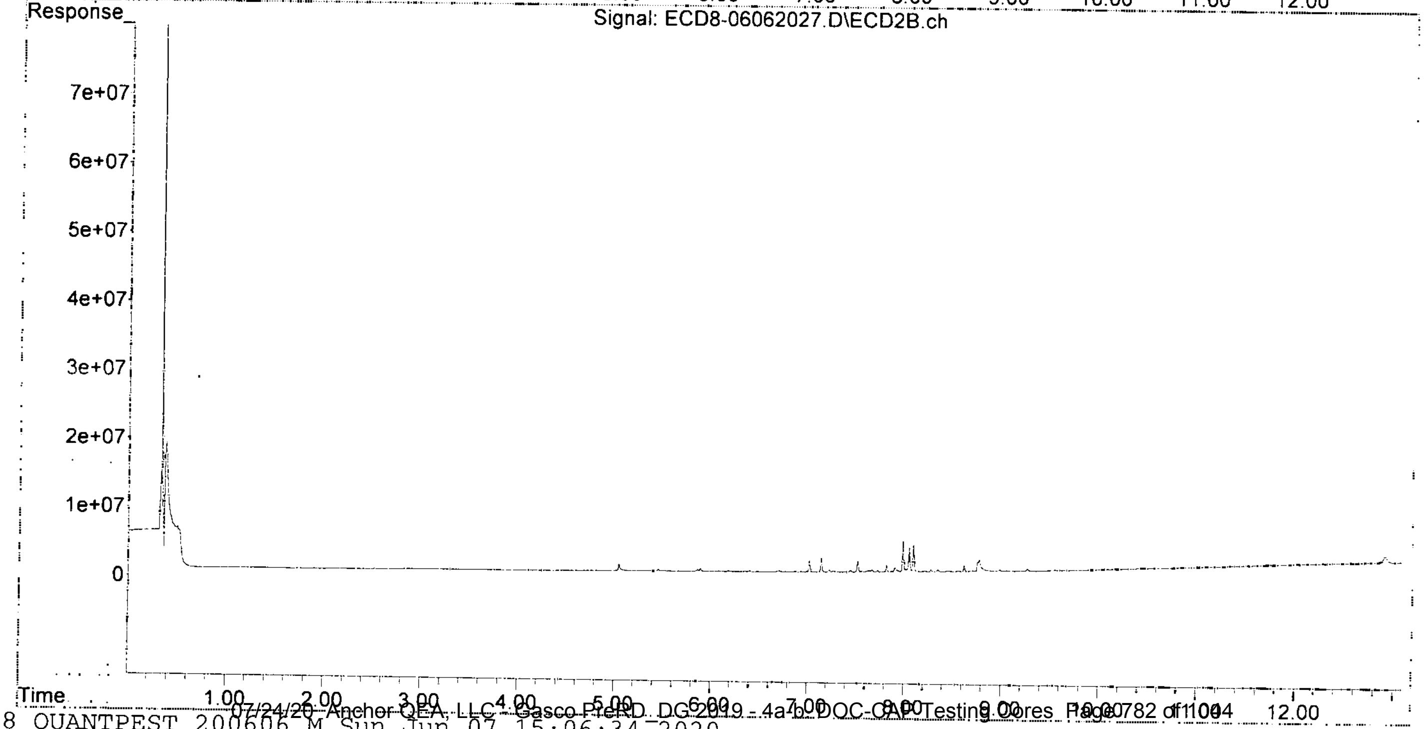
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report   (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:54
Operator : MJB
Sample : 0F06008-CALJ
Misc : A20F083, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:11
Operator : MJB
Sample : 0F06008-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

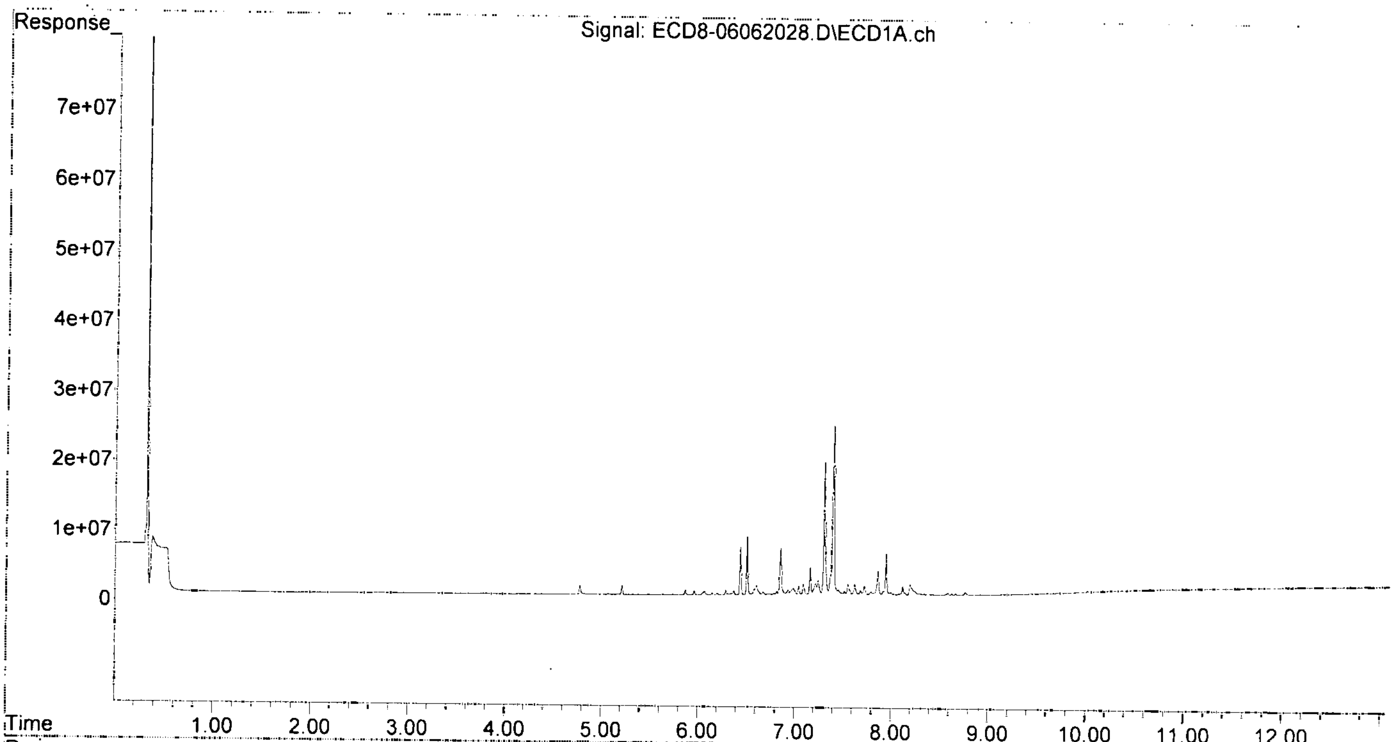
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.839	0	40272	N.D.	0.011	#
22)	S DCBP (S)	9.488	10.388	47375	21993	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.843f	6.480f	41748	501514	0.009	0.105	#
3)	g-BHC	6.105	6.778	50180	283868	0.012	0.066	#
4)	b-BHC	6.172	6.844	80664	27207	0.045	0.015	#
5)	Heptachlor	6.506	7.141	8430481	8345484	2.132	1.969	
6)	d-BHC	6.322	7.079	190240	66551	0.089	0.053	#
7)	Aldrin	6.749	7.416	153205	78380	0.036	0.020	#
8)	Heptachlo...	7.218	7.867f	1691862	499944	0.428	0.133	#
9)	trans-Chl...	7.303	7.986	19274517	19500876	4.790	5.108	
10)	cis-Chlor...	7.397	8.094	24399927	16595506	6.505	4.454	#
11)	Endosulfa...	7.516f	8.163	588701	239157	0.160	0.071	#
12)	4,4'-DDE	7.455	8.216	736154	504507	0.201	0.159	
13)	Dieldrin	7.683	8.346	711218	1390062	0.176	0.361	#
14)	Endrin	7.823	8.569	333864	412950	0.099	0.140	#
15)	4,4'-DDD	7.862f	8.618	3529084	3525755	1.237	1.321	
16)	Endosulfa...	7.996	8.708	398975	434967	0.131	0.144	
17)	4,4'-DDT	8.119f	8.859	1240161	239140	0.554	0.058	#
18)	Endrin Al...	8.304f	8.987f	207781	1072893	BelowCal	0.371	
19)	Endosulfa...	8.587	9.148	287857	15320	0.097	0.005	#
20)	Methoxychlor	8.428	9.334	118584	24300	BelowCal	BelowCal	
21)	Endrin Ke...	8.765	9.550	425327	200545	0.119	0.060	#
23)	Hexachlor...	0.000	3.561f	0	45775	N.D.	BelowCal	
24)	Hexachlor...	5.656	6.312	41194	20882	BelowCal	BelowCal	
25)	Oxychlordane	7.128	7.790	204543	241423	BelowCal	BelowCal	
26)	2,4'-DDE	7.218	7.986	1691862	19500876	0.707	8.960	#
27)	trans-Non...	7.397	8.051	24399927	14679343	6.824	4.247	#
28)	2,4'-DDD	7.552f	8.346	1572033	1390062	0.644	0.669	
29)	2,4'-DDT	7.793f	8.588	537406	195121	0.121	BelowCal	#
30)	cis-Nonac...	7.862	8.618	3529084	3525755	0.858	0.882	
31)	Mirex	8.526	9.550	19478	200545	BelowCal	BelowCal	
32)	Chlordane...	7.303	7.986	19274517	19500876	46.662	45.022	
33)	Chlordane...	7.397	8.094	24399927	16595506	47.424	45.487	
34)	Chlordane...	7.945	8.756	6029645	5527957	46.641	46.346	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.369	8.346f	2979803	1390062	184.210	42.362	#
37)	Toxaphene...	7.683	8.675	711218	496131	18.917	11.650	#
38)	Toxaphene...	7.996	8.708	398975	434967	5.500	6.884	#
39)	Toxaphene...	8.246f	8.756	603439	5527957	0.378	42.653	#
40)	Toxaphene...	8.428	8.929f	118584	104685	2.277	1.783	
41)	Toxaphene...	8.526	9.334	19478	24300	0.264	0.378	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

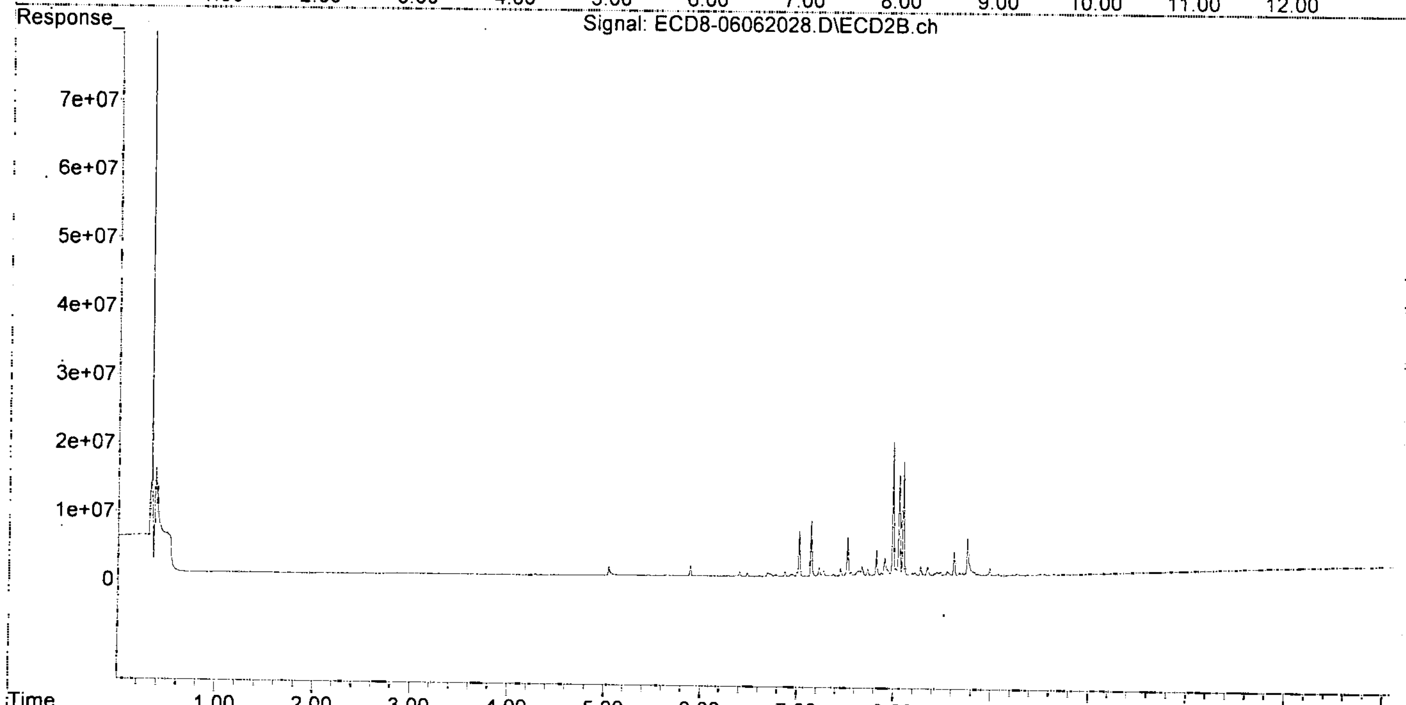
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:11
Operator : MJB
Sample : 0F06008-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:01:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:27
Operator : MJB
Sample : 0F06008-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 6/17/20

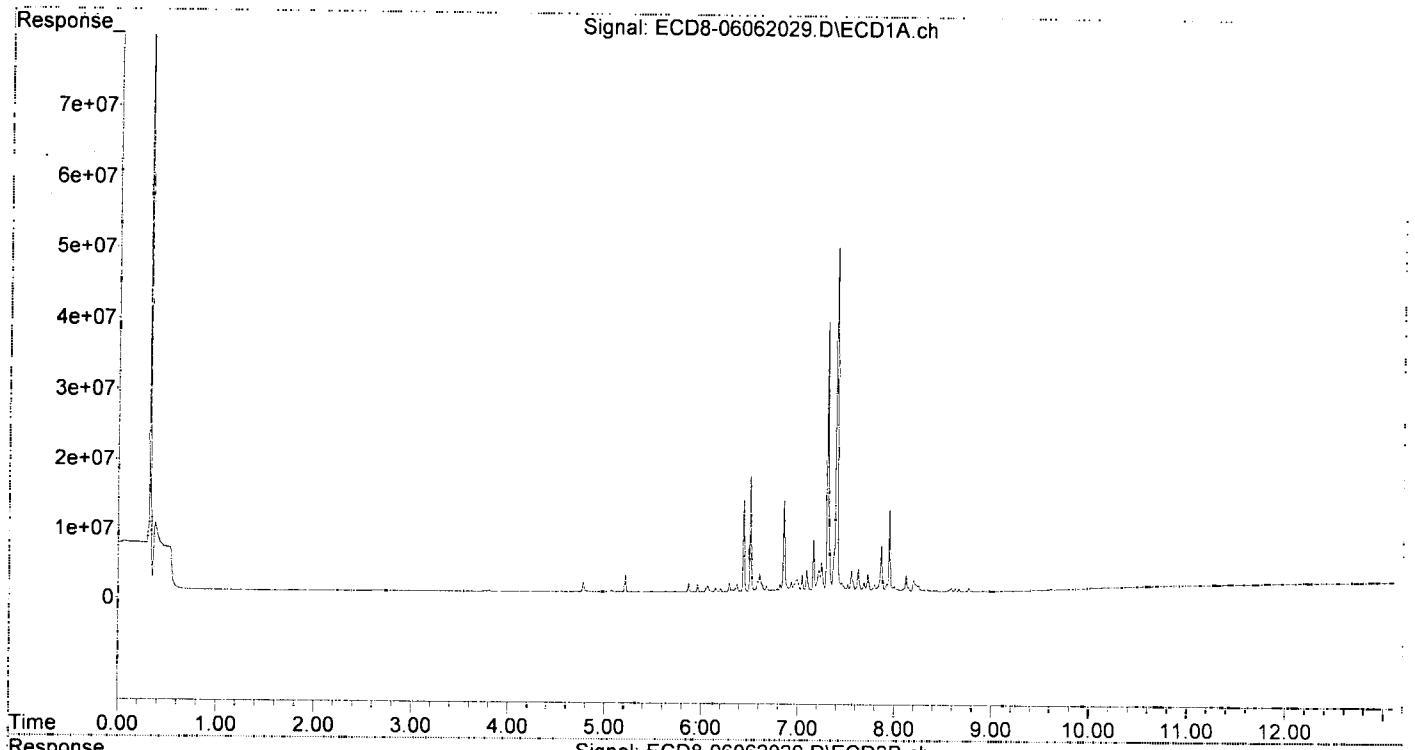
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.859	0	65199	N.D.	0.018	#
22)	S	DCBP (S)	9.488	10.377	73802	24851	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	5.844f	6.480f	66487	902812	0.014	0.189	#
3)		g-BHC	6.106	6.778	95120	530283	0.022	0.124	#
4)		b-BHC	6.171	6.871f	155114	1288844	0.086	0.705	#
5)		Heptachlor	6.506	7.142	16740654	16855992	4.234	3.978	
6)		d-BHC	6.317	7.078	358845	123101	0.138	0.069	#
7)		Aldrin	6.748	7.416	323235	183054	0.075	0.046	#
8)		Heptachlo...	7.217	7.866	3197910	988804	0.809	0.263	#
9)		trans-Chl...	7.302	7.986	38729637	40348541	9.626	10.568	
10)		cis-Chlor...	7.396	8.095	49198842	33994305	13.263	9.124	#
11)		Endosulfa...	7.516f	8.163	1138128	517979	0.309	0.153	#
12)		4,4'-DDE	7.453	8.216	1319099	966015	0.360	0.298	
13)		Dieldrin	7.682	8.346	1372637	2988418	0.340	0.775	#
14)		Endrin	7.824	8.568	680241	896965	0.202	0.303	#
15)		4,4'-DDD	7.862f	8.618	6734665	6864217	2.360	2.586	
16)		Endosulfa...	7.996	8.708	794680	931344	0.261	0.308	
17)		4,4'-DDT	8.118f	8.858	2399882	379298	1.063	0.114	#
18)		Endrin Al...	8.304f	8.987f	317704	2131066	BelowCal	0.737	
19)		Endosulfa...	8.586	9.147	545168	17013	0.185	0.006	#
20)		Methoxychlor	8.429	9.331	229157	30608	0.075	BelowCal	#
21)		Endrin Ke...	8.766	9.549	447666	387260	0.126	0.115	
23)		Hexachlor...	0.000	3.559f	0	43475	N.D.	BelowCal	
24)		Hexachlor...	5.655	6.288f	49075	97996	BelowCal	BelowCal	
25)		Oxychlordane	7.129	7.790	433568	497302	BelowCal	BelowCal	
26)		2,4'-DDE	7.217	7.986	3197910	40348541	1.336	18.554	#
27)		trans-Non...	7.396	8.051	49198842	29449063	14.006	8.749	#
28)		2,4'-DDD	7.551f	8.346	3061100	2988418	1.443	1.438	
29)		2,4'-DDT	7.791f	8.589	1059447	438054	0.410	0.067	#
30)		cis-Nonac...	7.862	8.618	6734665	6864217	1.638	1.717	
31)		Mirex	8.524	9.549	39496	387260	BelowCal	BelowCal	
32)		Chlordane...	7.302	7.986	38729637	40348541	93.761	93.153	
33)		Chlordane...	7.396	8.095	49198842	33994305	95.624	93.175	
34)		Chlordane...	7.945	8.756	12071538	10878732	93.377	91.207	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.368	8.346f	5865507	2988418	365.211	91.072	#
37)		Toxaphene...	7.682	8.675	1372637	1008788	39.970	23.689	#
38)		Toxaphene...	7.973	8.708	652168	931344	8.990	14.740	#
39)		Toxaphene...	8.219	8.756	1045020	10878732	7.656	100.906	#
40)		Toxaphene...	8.429	8.928f	229157	209547	4.400	3.569	
41)		Toxaphene...	8.524	9.331	39496	30608	0.535	0.476	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

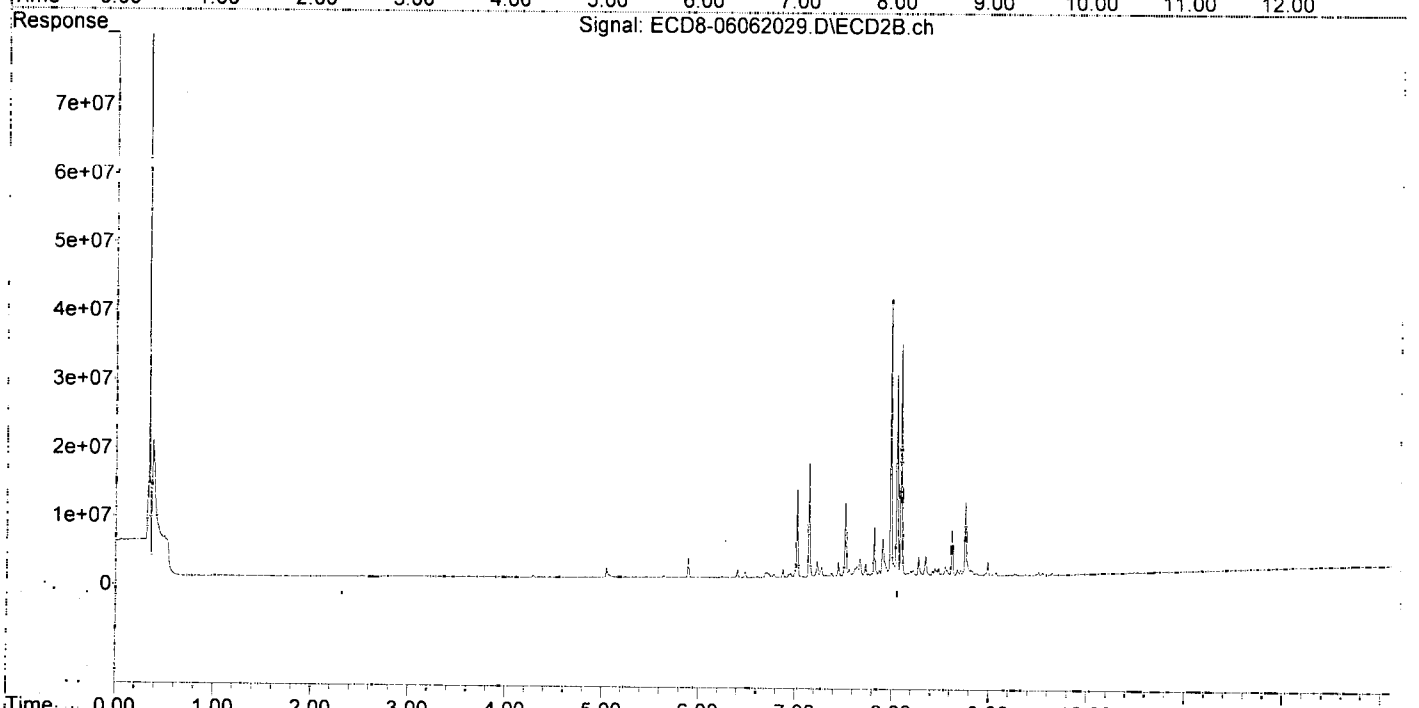
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:27
Operator : MJB
Sample : 0F06008-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:44
Operator : MJB
Sample : 0F06008-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

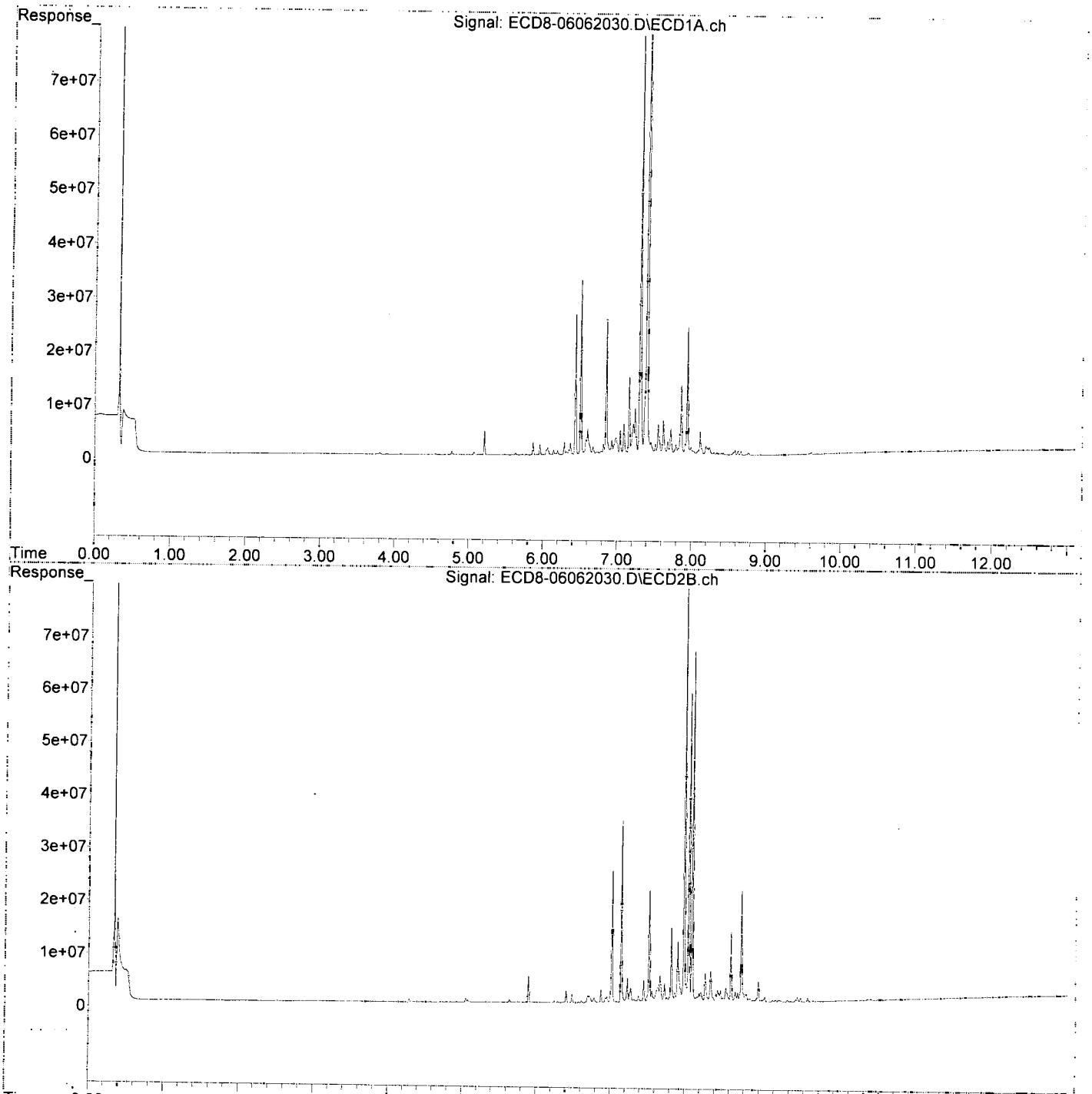
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.271	5.860	50249	112186	0.014	0.032	#
22)	S DCBP (S)	9.487	10.387	134057	23592	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.800	6.479f	43469	1609004	0.009	0.338	#
3)	g-BHC	6.112	6.778	153759	988351	0.036	0.232	#
4)	b-BHC	6.171	6.844	271947	83915	0.151	0.046	#
5)	Heptachlor	6.506	7.141	32684208	34326937	8.267	8.101	
6)	d-BHC	6.317	7.077	641953	249398	0.221	0.103	#
7)	Aldrin	6.747	7.415	602048	398010	0.140	0.099	#
8)	Heptachlo...	7.217	7.865	5942221	1873359	1.504	0.498	#
9)	trans-Chl...	7.302	7.986	77948458	78897328	19.373	20.664	
10)	cis-Chlor...	7.397	8.094	95290864	66157880	25.659	17.757	#
11)	Endosulfa...	7.516f	8.163	2090116	1044045	0.568	0.308	#
12)	4,4'-DDE	7.454	8.214	2437955	1895416	0.665	0.579	
13)	Dieldrin	7.682	8.345	2589928	6006071	0.642	1.558	#
14)	Endrin	7.822	8.568	1309481	1702383	0.388	0.576	#
15)	4,4'-DDD	7.861f	8.618	13082746	13250675	4.585	4.989	
16)	Endosulfa...	7.996	8.708	1525548	1776080	0.501	0.587	
17)	4,4'-DDT	8.118f	8.858	4497255	661627	1.981	0.228	#
18)	Endrin Al...	8.303f	8.987f	523594	3931613	BelowCal	1.359	
19)	Endosulfa...	8.586	9.152	989498	44232	0.335	0.015	#
20)	Methoxychlor	8.428	9.326	433647	63291	0.269	BelowCal	#
21)	Endrin Ke...	8.767	9.549	456442	724309	0.128	0.216	#
23)	Hexachlor...	0.000	3.560f	0	41265	N.D.	BelowCal	
24)	Hexachlor...	5.665	6.288f	34745	167246	BelowCal	BelowCal	
25)	Oxychlordane	7.128	7.789	811861	1017523	0.063	0.132	#
26)	2,4'-DDE	7.217	7.986	5942221	78897328	2.483	35.670	#
27)	trans-Non...	7.397	8.050	95290864	58275802	27.233	17.450	#
28)	2,4'-DDD	7.551f	8.345	5777790	6006071	2.899	2.890	
29)	2,4'-DDT	7.791f	8.588	2001943	886930	0.930	0.310	#
30)	cis-Nonac...	7.861	8.618	13082746	13250675	3.182	3.315	
31)	Mirex	8.523	9.549	90626	724309	BelowCal	0.038	
32)	Chlordane...	7.302	7.986	77948458	78897328	188.707	182.151	
33)	Chlordane...	7.397	8.094	95290864	66157880	185.210	181.332	
34)	Chlordane...	7.944	8.756	23847628	21056652	184.469	176.539	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.369	8.305	11204563	866005	696.416	26.391	#
37)	Toxaphene...	7.682	8.675	2589928	1989759	78.730	46.725	#
38)	Toxaphene...	7.970	8.708	1207638	1776080	16.646	28.109	#
39)	Toxaphene...	8.221	8.756	1427410	21056652	13.952	209.169	#
40)	Toxaphene...	8.428	8.929f	433647	397100	8.326	6.763	
41)	Toxaphene...	8.523	9.326	90626	63291	1.228	0.985	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:44
Operator : MJB
Sample : 0F06008-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:00
Operator : MJB
Sample : 0F06008-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

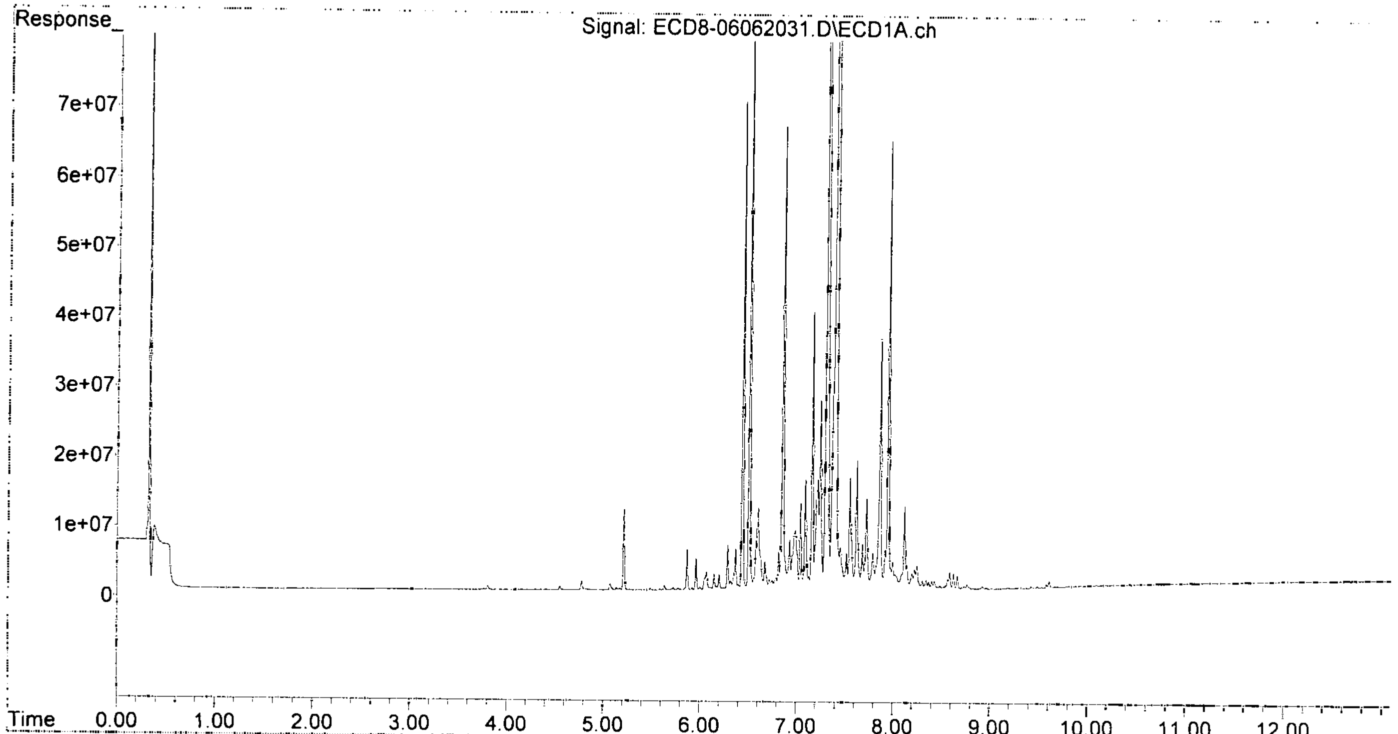
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.274	5.861	97614	97205	0.027	0.027	
22)	S	DCBP (S)	9.487	10.403	330967	45962	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	5.813	6.479f	43428	3721474	0.009	0.781	#
3)		g-BHC	6.114	6.778	320045	2299952	0.075	0.539	#
4)		b-BHC	6.171	6.845	514905	206748	0.286	0.113	#
5)		Heptachlor	6.506	7.142	91530342	93416157	23.151	22.046	
6)		d-BHC	6.317	7.078	1251934	606815	0.400	0.199	#
7)		Aldrin	6.748	7.414	1374924	992364	0.319	0.247	
8)		Heptachlo...	7.216	7.865	15872982	4710603	4.016	1.251	#
9)		trans-Chl...	7.302	7.986	208.7E6	224.0E6	51.864	58.662	
10)		cis-Chlor...	7.396	8.094	257.4E6	183.0E6	67.693	49.106	#
11)		Endosulfa...	7.516f	8.163	5262086	3041767	1.430	0.897	#
12)		4,4'-DDE	7.453	8.214	6070316	4867326	1.656	1.475	
13)		Dieldrin	7.682	8.345	6495386	18423863	1.609	4.779	#
14)		Endrin	7.822	8.567	3495272	4452767	1.036	1.506	#
15)		4,4'-DDD	7.861f	8.617	35770933	34777549	12.537	12.925	
16)		Endosulfa...	7.995	8.707	3960103	4945733	1.301	1.636	#
17)		4,4'-DDT	8.118f	8.858	11907607	1644214	5.202	0.624	#
18)		Endrin Al...	8.303f	8.986f	1239439	10204027	0.256	3.527	#
19)		Endosulfa...	8.586	9.150	2530421	163289	0.857	0.055	#
20)		Methoxychlor	8.429	9.330	1183916	186298	0.982	BelowCal	#
21)		Endrin Ke...	8.768	9.548	677245	1942014	0.190	0.578	#
23)		Hexachlor...	0.000	3.558f	0	43902	N.D.	BelowCal	
24)		Hexachlor...	5.667	6.287f	58484	375357	BelowCal	BelowCal	
25)		Oxychlordane	7.128	7.790	1951580	2549398	0.424	0.656	#
26)		2,4'-DDE	7.216	7.986	15872982	224.0E6	6.632	94.228	#
27)		trans-Non...	7.396	8.050	257.4E6	159.1E6	72.580	47.065	#
28)		2,4'-DDD	7.551f	8.345	16001074	18423863	8.348	8.865	
29)		2,4'-DDT	7.791f	8.588	5230112	2452813	2.708	1.159	#
30)		cis-Nonac...	7.861	8.617	35770933	34777549	8.699	8.701	
31)		Mirex	8.523	9.548	341635	1942014	BelowCal	0.583	
32)		Chlordane...	7.302	7.986	208.7E6	224.0E6	505.185	517.094	
33)		Chlordane...	7.396	8.094	257.4E6	183.0E6	500.351	501.467	
34)		Chlordane...	7.944	8.756	64272968	59826712	497.171	501.586	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.368	8.345f	29923993	18423863	1822.467	561.467	#
37)		Toxaphene...	7.682	8.675	6495386	5132960	203.200	120.535	#
38)		Toxaphene...	7.972	8.707	3087250	4945733	42.556	78.272	#
39)		Toxaphene...	8.222	8.756	2915645	59826712	38.402	595.291	#
40)		Toxaphene...	8.429	8.927f	1183916	1119385	22.731	19.064	
41)		Toxaphene...	8.523	9.330	341635	186298	4.629	2.900	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

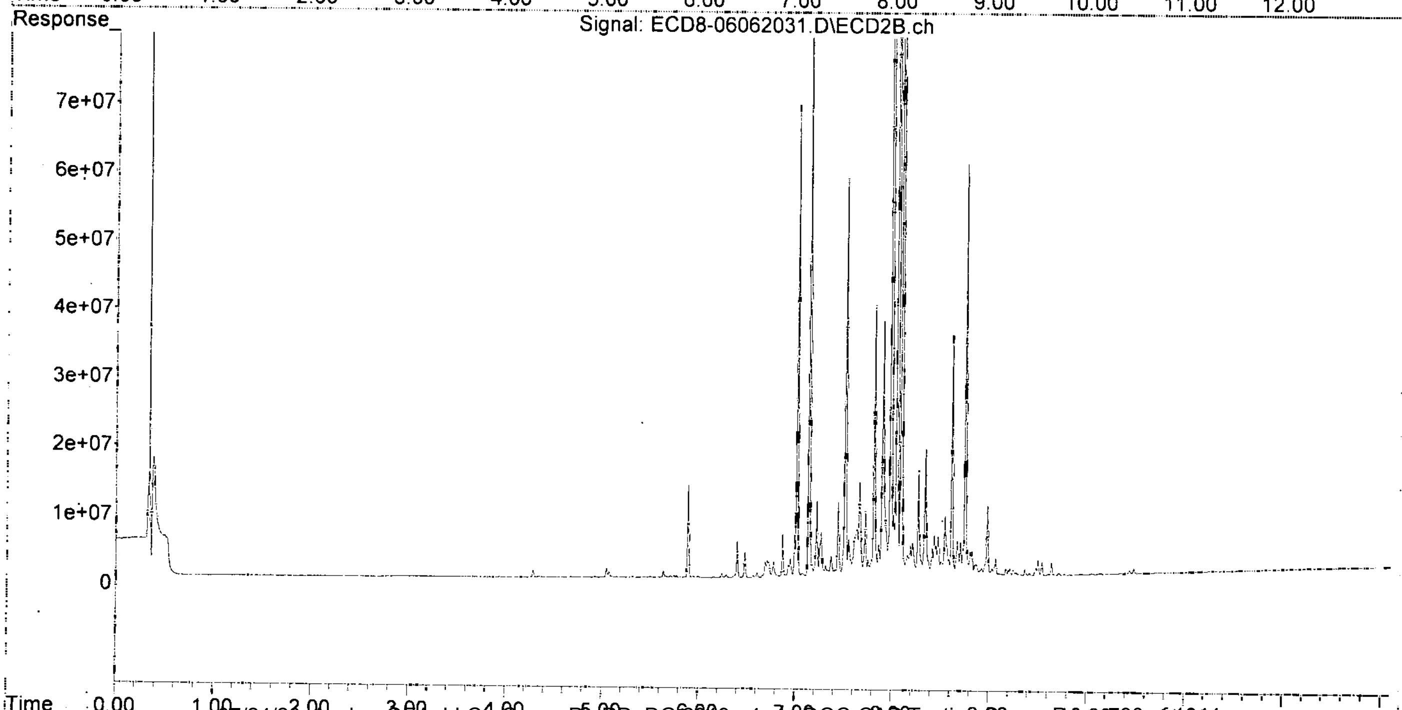
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:00
Operator : MJB
Sample : 0F06008-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:17
Operator : MJB
Sample : 0F06008-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

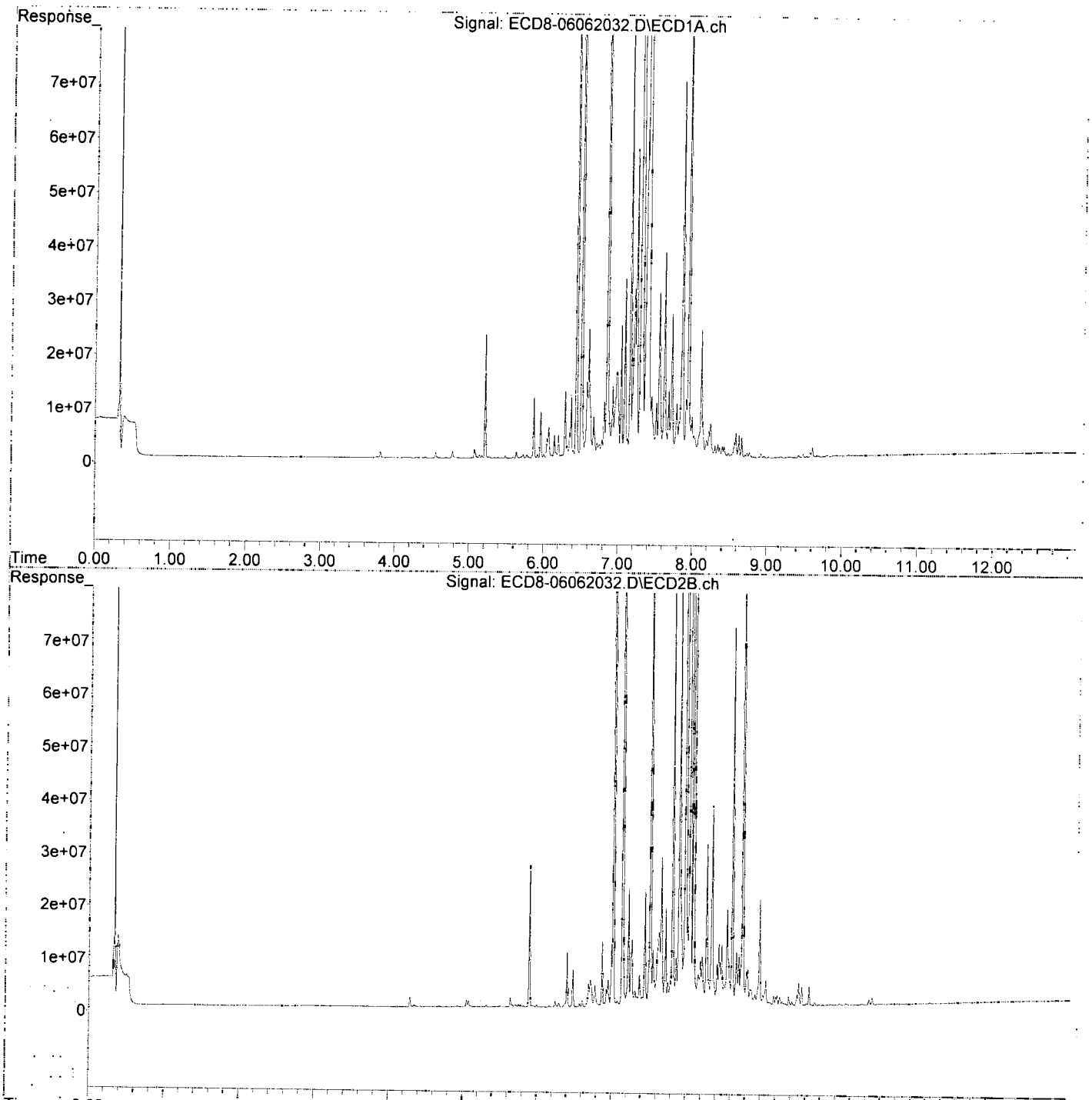
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.262	5.858	218431	106841	0.060	0.030	#
22)	S DCBP (S)	9.487	10.406	595137	72908	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.801	6.479f	195883	7057318	0.040	1.481	#
3)	g-BHC	6.112	6.777	567765	4168627	0.133	0.976	#
4)	b-BHC	6.169	6.845	1054041	448074	0.585	0.245	#
5)	Heptachlor	6.505	7.141	182.9E6	192.2E6	46.262	45.353	
6)	d-BHC	6.313	7.077	2364431	1104126	0.726	0.333	#.
7)	Aldrin	6.748	7.414	2602487	1918792	0.604	0.478	
8)	Heptachlo...	7.215	7.865	31646316	9301401	8.008	2.471	#
9)	trans-Chl...	7.302	7.985	425.4E6	464.6E6	105.720	121.686	
10)	cis-Chlor...	7.396	8.094	521.6E6	384.4E6	131.679	103.171	
11)	Endosulfa...	7.514f	8.163	10388780	6076444	2.822	1.791	#
12)	4,4'-DDE	7.452	8.214	11658993	9451524	3.181	2.853	
13)	Dieldrin	7.681	8.345	12758846	37807947	3.161	9.806	#
14)	Endrin	7.821	8.589	6910590	4908803	2.048	1.660	
15)	4,4'-DDD	7.861f	8.617	69908605	71302395	24.501	25.861	
16)	Endosulfa...	7.994	8.733	7704103	7880002	2.532	2.606	
17)	4,4'-DDT	8.064	8.858	2253674	3203742	0.999	1.250	#
18)	Endrin Al...	8.304f	8.986f	2350207	20129117	0.664	6.957	#
19)	Endosulfa...	8.585	9.151	4761551	400883	1.612	0.135	#
20)	Methoxychlor	8.428	9.333	2200863	411465	1.945	0.186	#
21)	Endrin Ke...	8.769	9.549	1003706	3564748	0.281	1.061	#
23)	Hexachlor...	0.000	3.558f	0	43339	N.D.	BelowCal	
24)	Hexachlor...	5.633f	6.288f	1217789	728373	0.208	0.062	#
25)	Oxychlordane	7.127	7.788	3718106	5092134	0.985	1.525	#
26)	2,4'-DDE	7.215	7.985	31646316	464.6E6	13.223	177.235	#
27)	trans-Non...	7.396	8.050	521.6E6	338.0E6	142.930	96.803	#
28)	2,4'-DDD	7.620f	8.345	38414049	37807947	20.130	18.191	
29)	2,4'-DDT	7.790f	8.589	10297789	4908803	5.486	2.483	#
30)	cis-Nonac...	7.861	8.617	69908605	71302395	17.001	17.840	
31)	Mirex	8.523	9.549	718969	3564748	BelowCal	1.310	
32)	Chlordane...	7.302	7.985	425.4E6	464.6E6	1029.774	1072.631	
33)	Chlordane...	7.396	8.094	521.6E6	384.4E6	1013.777	1053.567	
34)	Chlordane...	7.944	8.755	129.4E6	121.8E6	1001.079	1021.551	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.367	8.345f	61102098	37807947	3591.445	1152.196	#
37)	Toxaphene...	7.681	8.674	12758846	10281189	403.192	241.429	#
38)	Toxaphene...	7.970	8.707	6068491	9584451	83.650	151.685	#
39)	Toxaphene...	8.223	8.755	5093691	121.8E6	74.030	1146.383	#
40)	Toxaphene...	8.428	8.927f	2200863	2199675	42.256	37.463	
41)	Toxaphene...	8.523	9.333	718969	411465	9.743	6.405	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:17
Operator : MJB
Sample : 0F06008-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:33
Operator : MJB
Sample : 0F06008-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

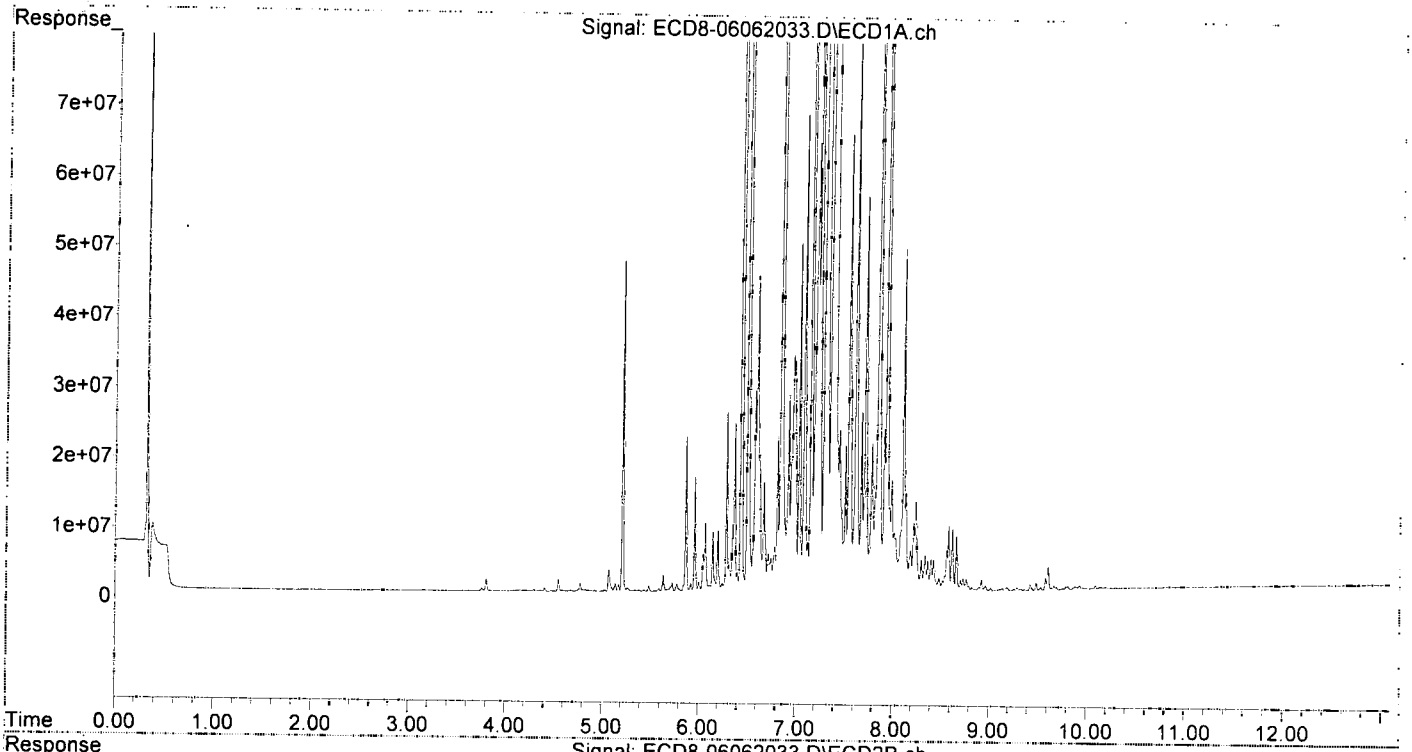
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.262	5.858	439079	160151	0.120	0.045	#
22)	S	DCBP (S)	9.486	10.403	1116205	164795	0.181	BelowCal	#
		Target Compounds							
2)		a-BHC	5.800	6.479f	353949	13353325	0.073	2.802	#
3)		g-BHC	6.113	6.777	912788	8178865	0.214	1.916	#
4)		b-BHC	6.169	6.845	1637240	838918	0.908	0.459	#
5)		Heptachlor	6.505	7.141	382.1E6	402.9E6	96.657	95.078	
6)		d-BHC	6.314	7.078	3815202	2094357	1.150	0.599	#
7)		Aldrin	6.748	7.413	4865122	3528874	1.128	0.880	
8)		Heptachlo...	7.214	7.864	64122896	19316440	16.225	5.131	#
9)		trans-Chl...	7.301	7.985	890.7E6	966.5E6	221.384	253.151	
10)		cis-Chlor...	7.397	8.094	1087.7E6	813.2E6	254.580	218.274	
11)		Endosulfa...	7.496	8.162	7053481	13212241	1.916	3.895	#
12)		4,4'-DDE	7.452	8.214	23138201	19056914	6.313	5.717	
13)		Dieldrin	7.680	8.344	25750901	88663746	6.379	22.997	#
14)		Endrin	7.821	8.588	14282337	10270512	4.232	3.474	
15)		4,4'-DDD	7.860f	8.617	145.2E6	150.7E6	50.884	52.054	
16)		Endosulfa...	7.994	8.732	15874616	16879323	5.217	5.582	
17)		4,4'-DDT	8.117f	8.857	49024613	6415690	20.836	2.534	#
18)		Endrin Al...	8.302f	8.985f	4538564	42653340	1.467	14.742	#
19)		Endosulfa...	8.585	9.152	9380929	924970	3.176	0.312	#
20)		Methoxychlor	8.428	9.336	4484836	1019507	4.098	0.692	#
21)		Endrin Ke...	8.769	9.548	1748613	7310066	0.490	2.176	#
23)		Hexachlor...	0.000	3.560f	0	39849	N.D.	BelowCal	
24)		Hexachlor...	5.633f	6.288f	2403253	1291439	0.598	0.262	#
25)		Oxychlordane	7.127	7.789	7097923	9954965	2.056	3.183	#
26)		2,4'-DDE	7.214	7.985	64122896	966.5E6	26.792	318.033	#
27)		trans-Non...	7.397	8.050	1087.7E6	708.2E6	281.708	190.743	#
28)		2,4'-DDD	7.620f	8.344	85393797	88663746	44.143	42.661	
29)		2,4'-DDT	7.790f	8.588	21121664	10270512	11.360	5.352	#
30)		cis-Nonac...	7.860	8.617	145.2E6	150.7E6	35.308	37.709	
31)		Mirex	8.523	9.548	1503779	7310066	0.295	2.984	#
32)		Chlordane...	7.301	7.985	890.7E6	966.5E6	2156.406	2231.465	
33)		Chlordane...	7.397	8.094	1087.7E6	813.2E6	2114.048	2228.986	
34)		Chlordane...	7.943	8.755	270.5E6	262.1E6	2092.451	2197.163	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.366	8.344f	125.9E6	88663746	6934.647	2702.026	#
37)		Toxaphene...	7.680	8.674	25750901	21591837	819.495	507.032	#
38)		Toxaphene...	7.971	8.707	11938461	20620106	164.563	326.338	#
39)		Toxaphene...	8.222	8.755	9826200	262.1E6	150.828	2198.416	#
40)		Toxaphene...	8.428f	8.927f	4484836	4463472	86.107	76.018	
41)		Toxaphene...	8.523	9.336	1503779	1019507	20.377	15.869	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

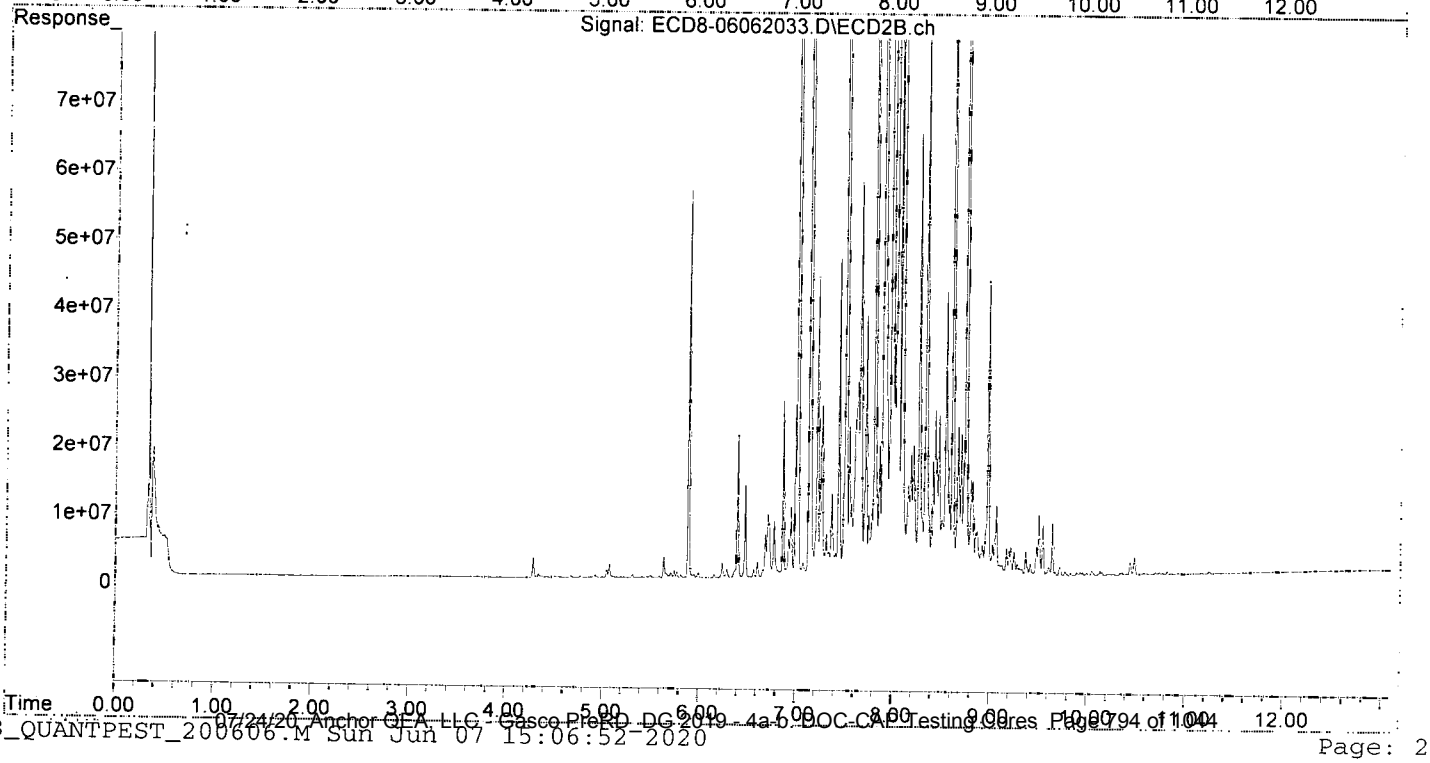
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:33
Operator : MJB
Sample : 0F06008-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:02:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

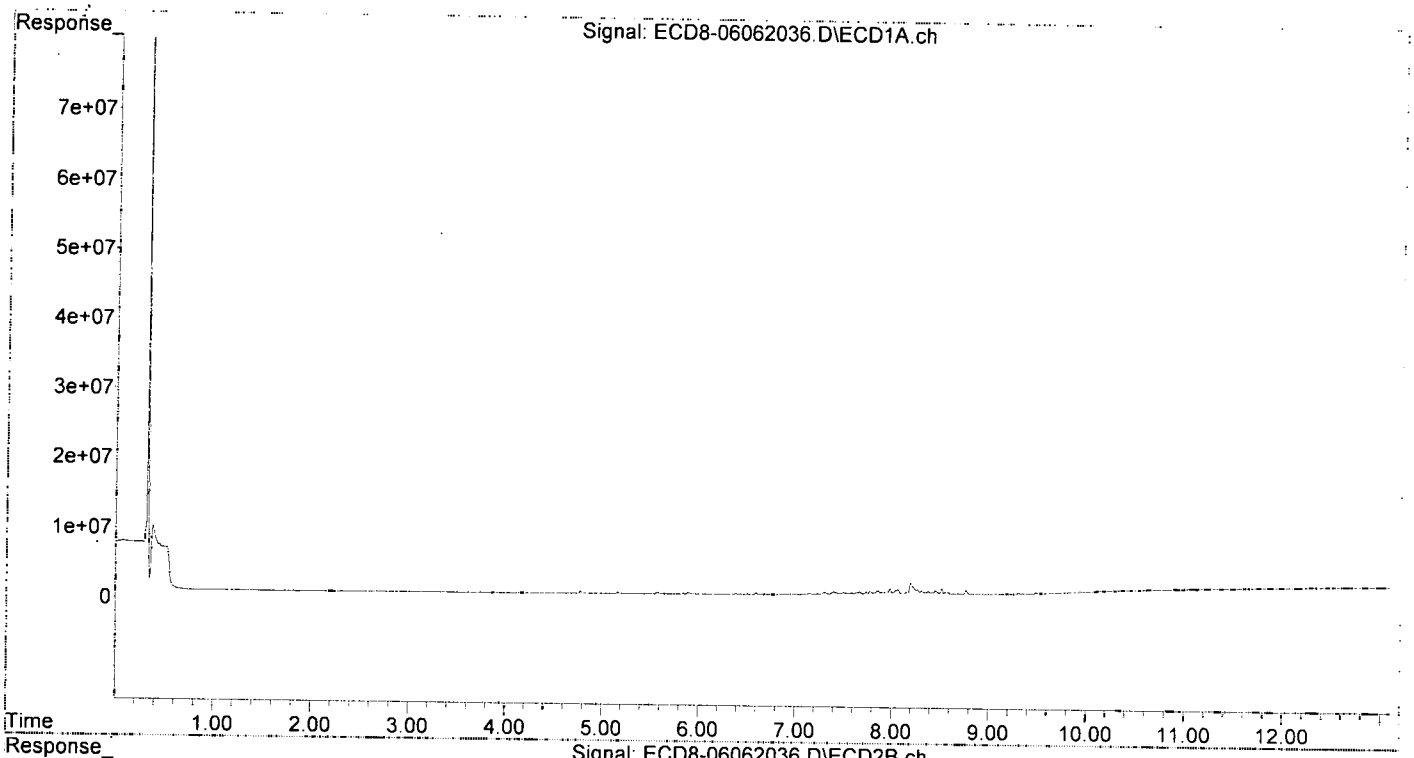
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.861	0	375491	N.D.	0.106	#
22)	S DCBP (S)	9.482	10.393	212056	153398	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.810	6.478f	17703	11343	0.004	0.002	#
3)	g-BHC	6.134f	6.765	30126	16246	0.007	0.004	#
4)	b-BHC	6.140f	6.841	34164	22015	0.019	0.012	#
5)	Heptachlor	6.506	7.143	112780	93559	0.029	0.022	
6)	d-BHC	6.321	7.092	20839	28545	0.039	0.043	
7)	Aldrin	6.734	7.406	20845	6155	0.005	0.002	#
8)	Heptachlo...	7.209	7.841	81606	98799	0.021	0.026	#
9)	trans-Chl...	7.304	7.986	375305	261267	0.093	0.068	#
10)	cis-Chlor...	7.397	8.093	444632	273491	BelowCal	0.073	
11)	Endosulfa...	7.502	8.151	285317	154338	0.078	0.045	#
12)	4,4'-DDE	7.465	8.214	170748	181452	0.047	0.061	#
13)	Dieldrin	7.671	8.364	428322	172506	0.106	0.045	#
14)	Endrin	7.813	8.565	253405	279439	0.075	0.095	#
15)	4,4'-DDD	7.899	8.620	333362	249813	0.117	0.072	#
16)	Endosulfa...	7.982	8.706	866733	737338	0.285	0.244	
17)	4,4'-DDT	8.062f	8.832	697142	410612	0.316	0.127	#
18)	Endrin Al...	8.270	8.953	704055	696424	0.059	0.241	#
19)	Endosulfa...	8.585	9.151	322336	285806	0.109	0.096	
20)	Methoxychlor	8.422	9.331	267378	742472	0.111	0.462	#
21)	Endrin Ke...	8.767	9.553	630181	151615	0.177	0.045	#
23)	Hexachlor...	0.000	3.558f	0	49942	N.D.	BelowCal	
24)	Hexachlor...	5.659	6.344f	36997	45953	BelowCal	BelowCal	
25)	Oxychlordane	7.138	7.762	167251	63001	BelowCal	BelowCal	
26)	2,4'-DDE	7.209	7.986	81606	261267	0.034	BelowCal	#
27)	trans-Non...	7.397	8.048	444632	315011	BelowCal	BelowCal	
28)	2,4'-DDD	7.588	8.364	267371	172506	BelowCal	0.083	
29)	2,4'-DDT	7.771	8.590	450415	172387	0.073	BelowCal	#
30)	cis-Nonac...	7.857	8.620	568211	249813	0.138	0.063	#
31)	Mirex	8.516	9.553	860734	151615	0.030	BelowCal	#
32)	Chlordane...	7.304	7.986	375305	261267	0.909	0.603	#
33)	Chlordane...	7.397	8.093	444632	273491	0.864	0.750	
34)	Chlordane...	7.946	8.773	260332	2581320	2.014	21.642	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.381	8.324	233297	372544	10.605m	11.353	
37)	Toxaphene...	7.671	8.673	428322	454972	9.914	10.684	
38)	Toxaphene...	7.982	8.706	866733	737338	11.947	11.669	
39)	Toxaphene...	8.222	8.773	1188909	2581320	10.025	10.159	
40)	Toxaphene...	8.450	8.953	599046	696424	11.501	11.861	
41)	Toxaphene...	8.516	9.331	860734	742472	11.664	11.557	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

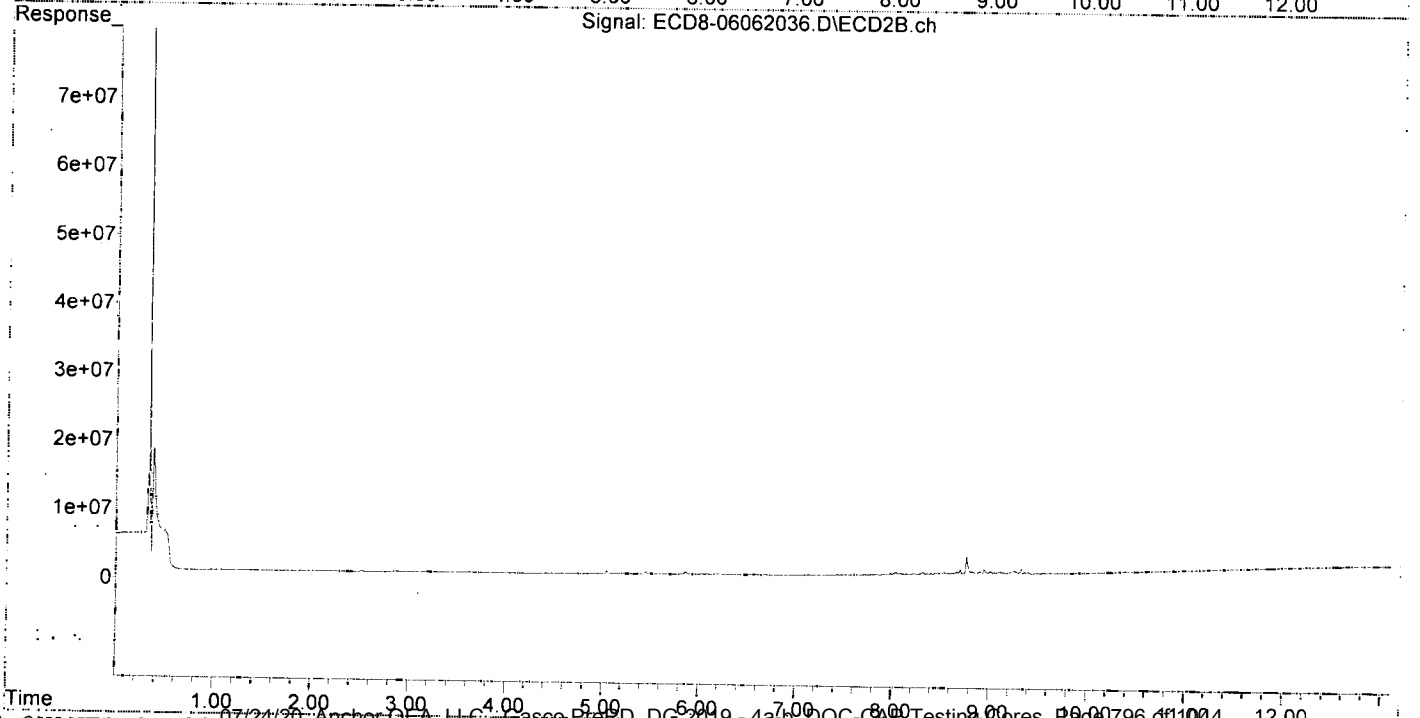
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

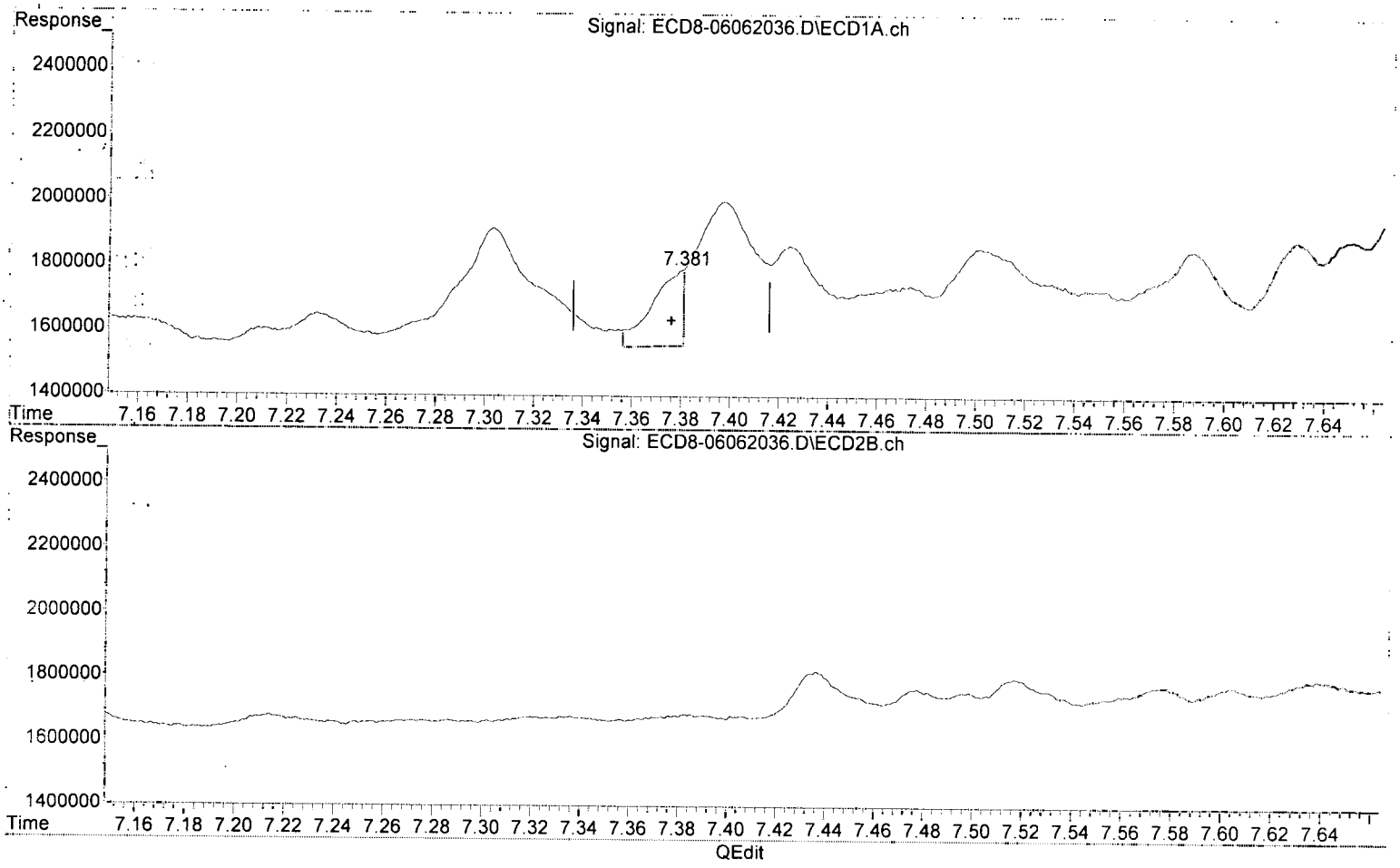




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(36) Toxaphene (1)

7.381min 10.605 ng/mL (m)

response 233297

MJB 6/7/20

(36) Toxaphene (1) #2

8.324min 11.353 ng/mL

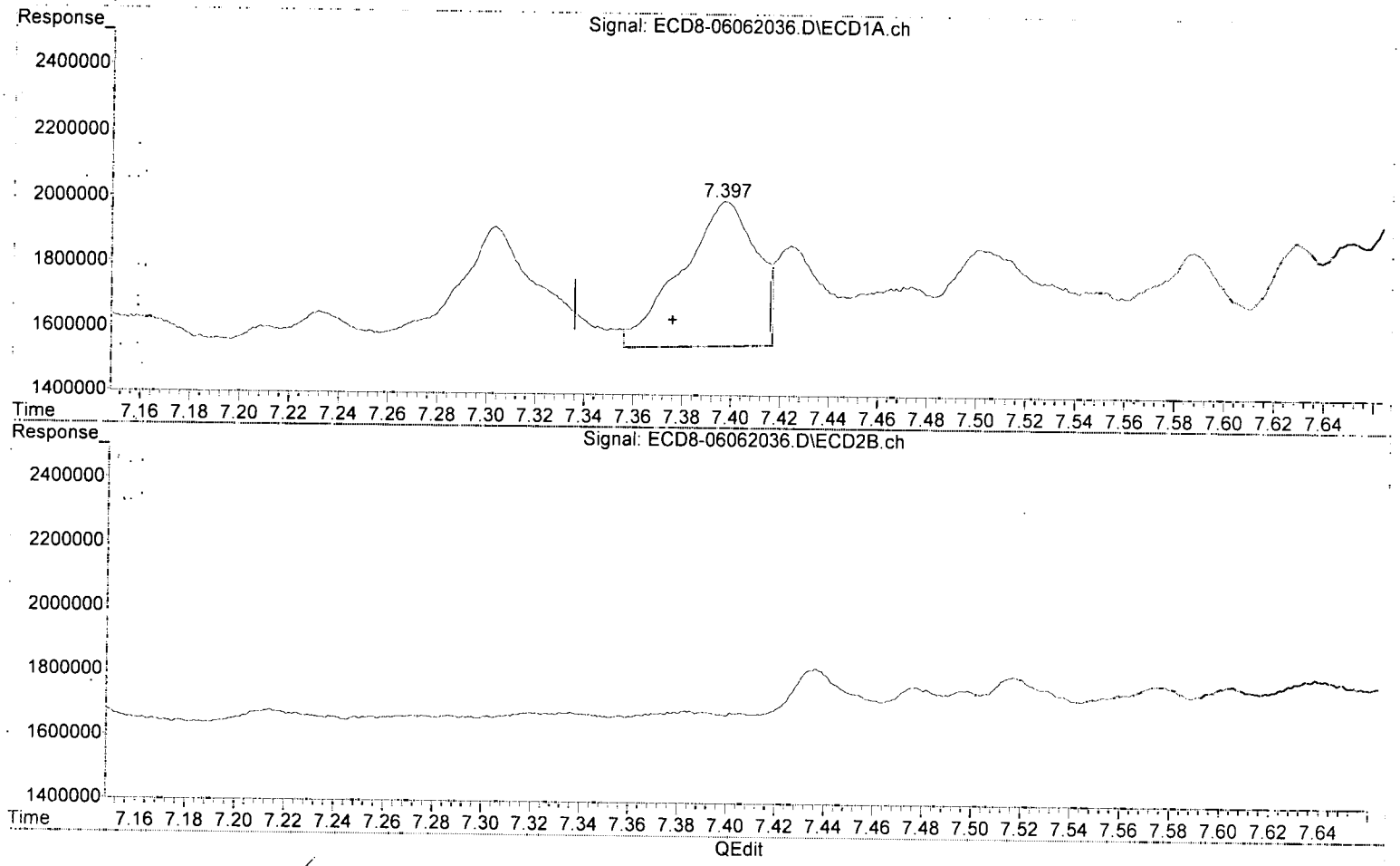
response 372544

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



(36) Toxaphene (1)

7.397min 24.010 ng/mL

response 444632

MJB 6/7/20

(36) Toxaphene (1) #2

8.324min 11.353 ng/mL

response 372544

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

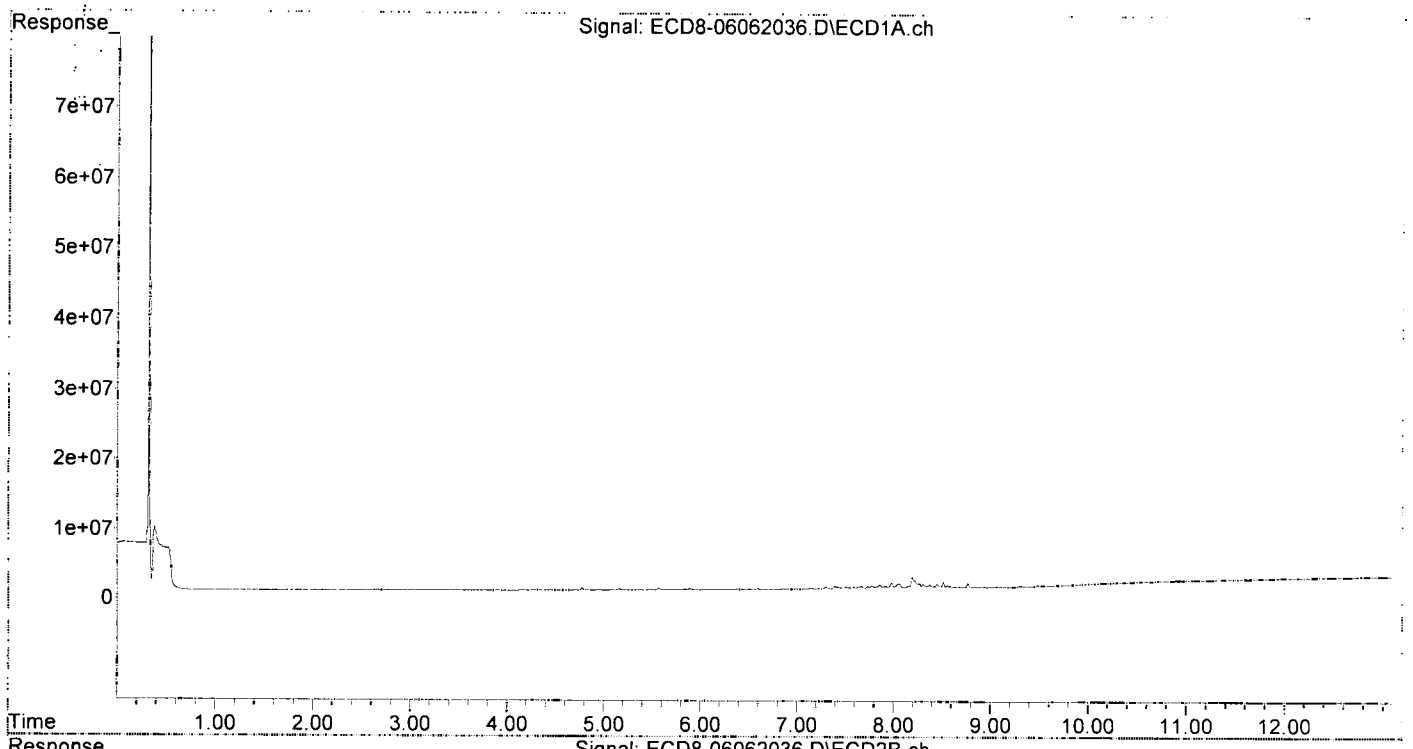
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.861	0	375491	N.D.	0.106	#
22)	S DCBP (S)	9.482	10.393	212056	153398	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.810	6.478f	17703	11343	0.004	0.002	#
3)	g-BHC	6.134f	6.765	30126	16246	0.007	0.004	#
4)	b-BHC	6.140f	6.841	34164	22015	0.019	0.012	#
5)	Heptachlor	6.506	7.143	112780	93559	0.029	0.022	
6)	d-BHC	6.321	7.092	20839	28545	0.039	0.043	
7)	Aldrin	6.734	7.406	20845	6155	0.005	0.002	#
8)	Heptachlo...	7.209	7.841	81606	98799	0.021	0.026	#
9)	trans-Chl...	7.304	7.986	375305	261267	0.093	0.068	#
10)	cis-Chlor...	7.397	8.093	444632	273491	BelowCal	0.073	
11)	Endosulfa...	7.502	8.151	285317	154338	0.078	0.045	#
12)	4,4'-DDE	7.465	8.214	170748	181452	0.047	0.061	#
13)	Dieldrin	7.671	8.364	428322	172506	0.106	0.045	#
14)	Endrin	7.813	8.565	253405	279439	0.075	0.095	#
15)	4,4'-DDD	7.899	8.620	333362	249813	0.117	0.072	#
16)	Endosulfa...	7.982	8.706	866733	737338	0.285	0.244	
17)	4,4'-DDT	8.062f	8.832	697142	410612	0.316	0.127	#
18)	Endrin Al...	8.270	8.953	704055	696424	0.059	0.241	#
19)	Endosulfa...	8.585	9.151	322336	285806	0.109	0.096	
20)	Methoxychlor	8.422	9.331	267378	742472	0.111	0.462	#
21)	Endrin Ke...	8.767	9.553	630181	151615	0.177	0.045	#
23)	Hexachlor...	0.000	3.558f	0	49942	N.D.	BelowCal	
24)	Hexachlor...	5.659	6.344f	36997	45953	BelowCal	BelowCal	
25)	Oxychlordane	7.138	7.762	167251	63001	BelowCal	BelowCal	
26)	2,4'-DDE	7.209	7.986	81606	261267	0.034	BelowCal	#
27)	trans-Non...	7.397	8.048	444632	315011	BelowCal	BelowCal	
28)	2,4'-DDD	7.588	8.364	267371	172506	BelowCal	0.083	
29)	2,4'-DDT	7.771	8.590	450415	172387	0.073	BelowCal	#
30)	cis-Nonac...	7.857	8.620	568211	249813	0.138	0.063	#
31)	Mirex	8.516	9.553	860734	151615	0.030	BelowCal	#
32)	Chlordane...	7.304	7.986	375305	261267	0.909	0.603	#
33)	Chlordane...	7.397	8.093	444632	273491	0.864	0.750	
34)	Chlordane...	7.946	8.773	260332	2581320	2.014	21.642	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.397f	8.324	444632	372544	24.010	11.353	#
37)	Toxaphene...	7.671	8.673	428322	454972	9.914	10.684	
38)	Toxaphene...	7.982	8.706	866733	737338	11.947	11.669	
39)	Toxaphene...	8.222	8.773	1188909	2581320	10.025	10.159	
40)	Toxaphene...	8.450	8.953	599046	696424	11.501	11.861	
41)	Toxaphene...	8.516	9.331	860734	742472	11.664	11.557	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

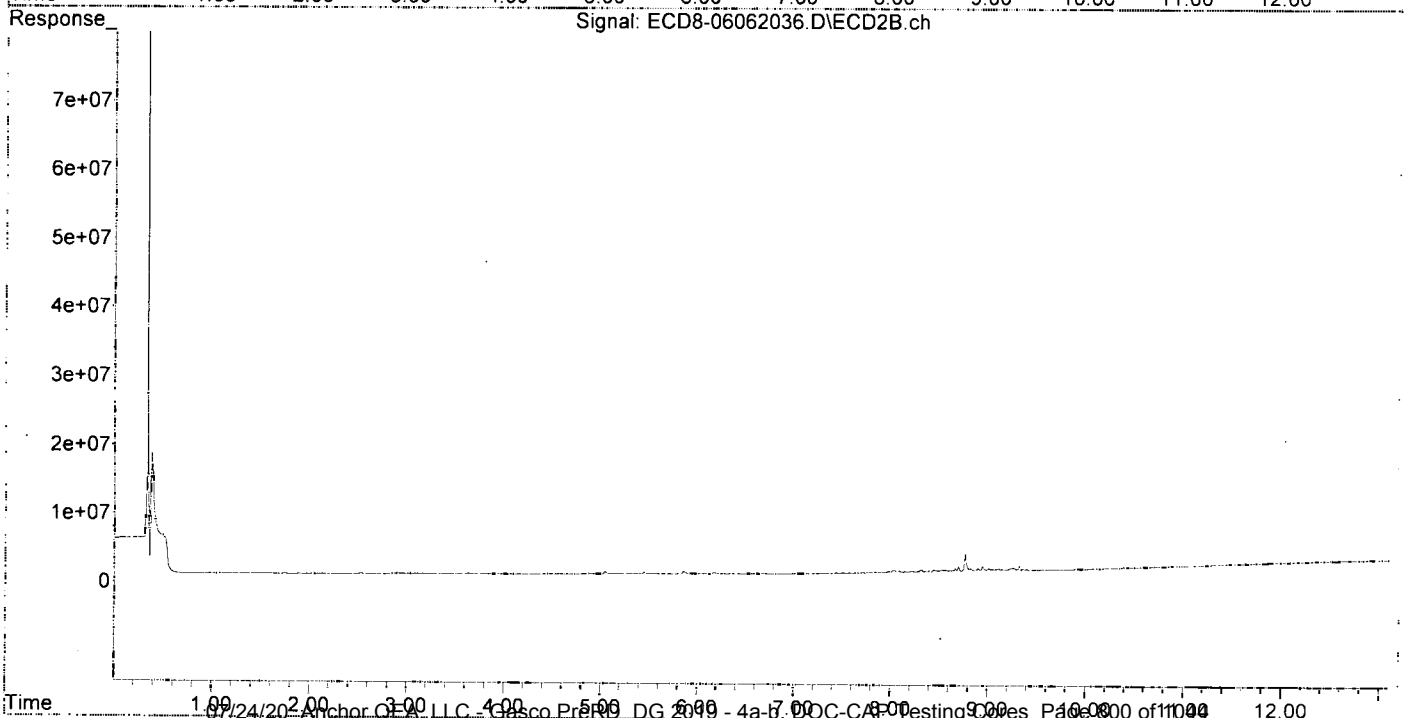
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:03:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:39
Operator : MJB
Sample : 0F06008-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

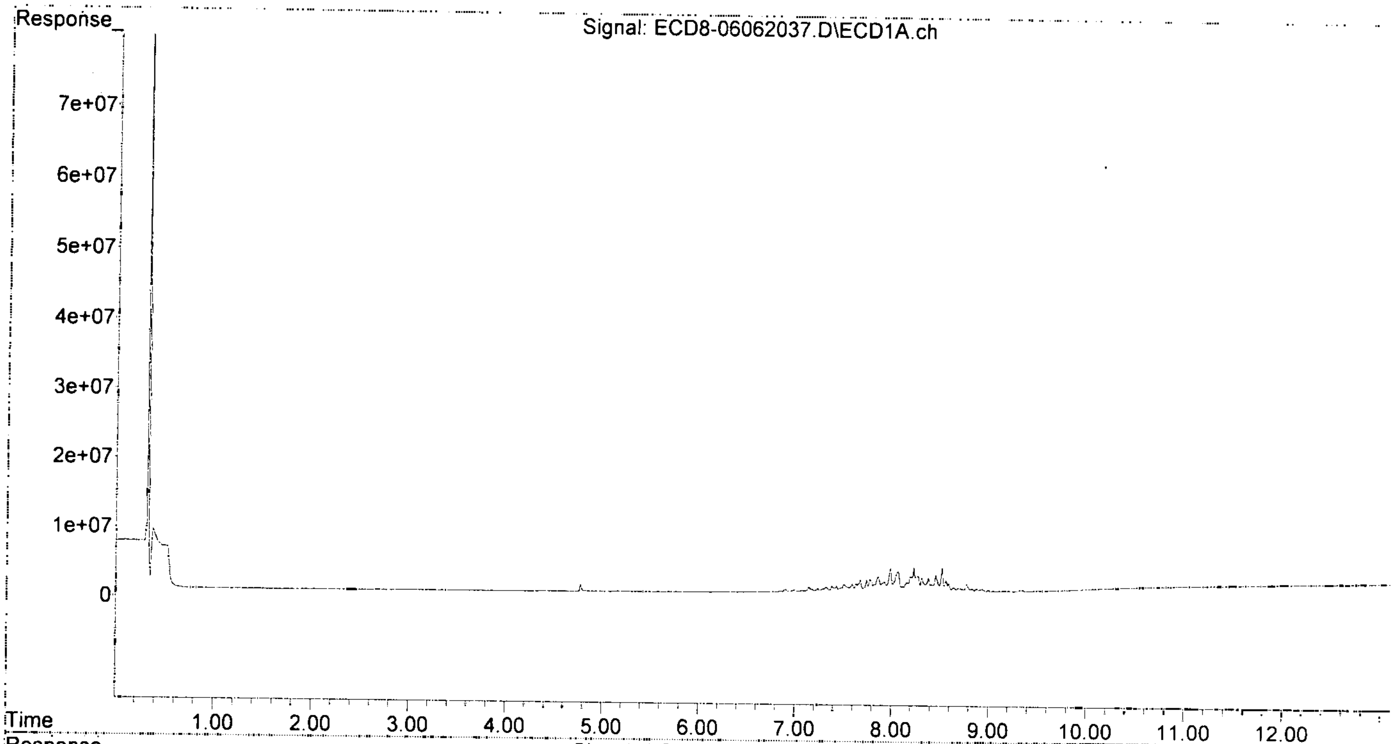
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.862	0	54331	N.D.	0.015	#
22)	S	DCBP (S)	9.475	10.373f	48858	42389	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	5.811	6.431f	13369	9671	0.003	0.002	#
3)		g-BHC	6.129f	6.763	6629	14632	0.002	0.003	#
4)		b-BHC	6.174	6.844	5748	12470	0.003	0.007	#
5)		Heptachlor	6.504	7.147	43006	31849	0.011	0.008	#
6)		d-BHC	6.339	7.088	17843	32092	0.038	0.044	
7)		Aldrin	6.747	7.404	81426	28241	0.019	0.007	#
8)		Heptachlo...	7.211	7.840	312255	478092	0.079	0.127	#
9)		trans-Chl...	7.289	7.989	459601	352162	0.114	0.092	
10)		cis-Chlor...	7.405	8.077	550412	561883	BelowCal	0.151	
11)		Endosulfa...	7.502	8.152	1105616	715087	0.300	0.211	#
12)		4,4'-DDE	7.473	8.215	601481	803801	0.164	0.249	#
13)		Dieldrin	7.671	8.364	1751397	840591	0.434	0.218	#
14)		Endrin	7.814	8.564	1119157	1338960	0.332	0.453	#
15)		4,4'-DDD	7.899	8.619	1347952	992525	0.472	0.356	
16)		Endosulfa...	7.982	8.706	3429819	3049566	1.127	1.009	
17)		4,4'-DDT	8.064	8.833	2934214	1387198	1.297	0.520	#
18)		Endrin Al...	8.270	8.952	2351147	2698078	0.664	0.933	#
19)		Endosulfa...	8.587	9.149	1218490	1085513	0.413	0.366	
20)		Methoxychlor	8.422	9.330	1033546	3021892	0.839	2.352	#
21)		Endrin Ke...	8.768	9.576f	1141083	466885	0.320	0.139	#
23)		Hexachlor...	0.000	3.550	0	7917	N.D.	BelowCal	
24)		Hexachlor...	0.000	6.313	0	11118	N.D.	BelowCal	
25)		Oxychlordane	7.139	7.761	726510	255679	0.035	BelowCal	#
26)		2,4'-DDE	7.211	7.989	312255	352162	0.130	BelowCal	#
27)		trans-Non...	7.377	8.060	867007	583694	BelowCal	BelowCal	
28)		2,4'-DDD	7.588	8.364	1154338	840591	0.419	0.404	
29)		2,4'-DDT	7.771	8.590	1856177	911096	0.850	0.323	#
30)		cis-Nonac...	7.858	8.619	2252767	992525	0.548	0.248	#
31)		Mirex	8.517	9.501f	3477197	505881	1.106	BelowCal	#
32)		Chlordane...	7.289	7.989	459601	352162	1.113	0.813	#
33)		Chlordane...	7.405	8.077	550412	561883	1.070	1.540	#
34)		Chlordane...	7.921f	8.773	1468925	5845916	11.363	49.012	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.377	8.324	867007	1668991	50.779	50.862	
37)		Toxaphene...	7.671	8.673	1751397	2027364	52.028	47.608	
38)		Toxaphene...	7.982	8.706	3429819	3049566	47.278	48.263	
39)		Toxaphene...	8.223	8.773	3584023	5845916	49.354	46.142	
40)		Toxaphene...	8.450	8.952	2442896	2698078	46.903	45.952	
41)		Toxaphene...	8.517	9.330	3477197	3021892	47.119	47.036	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

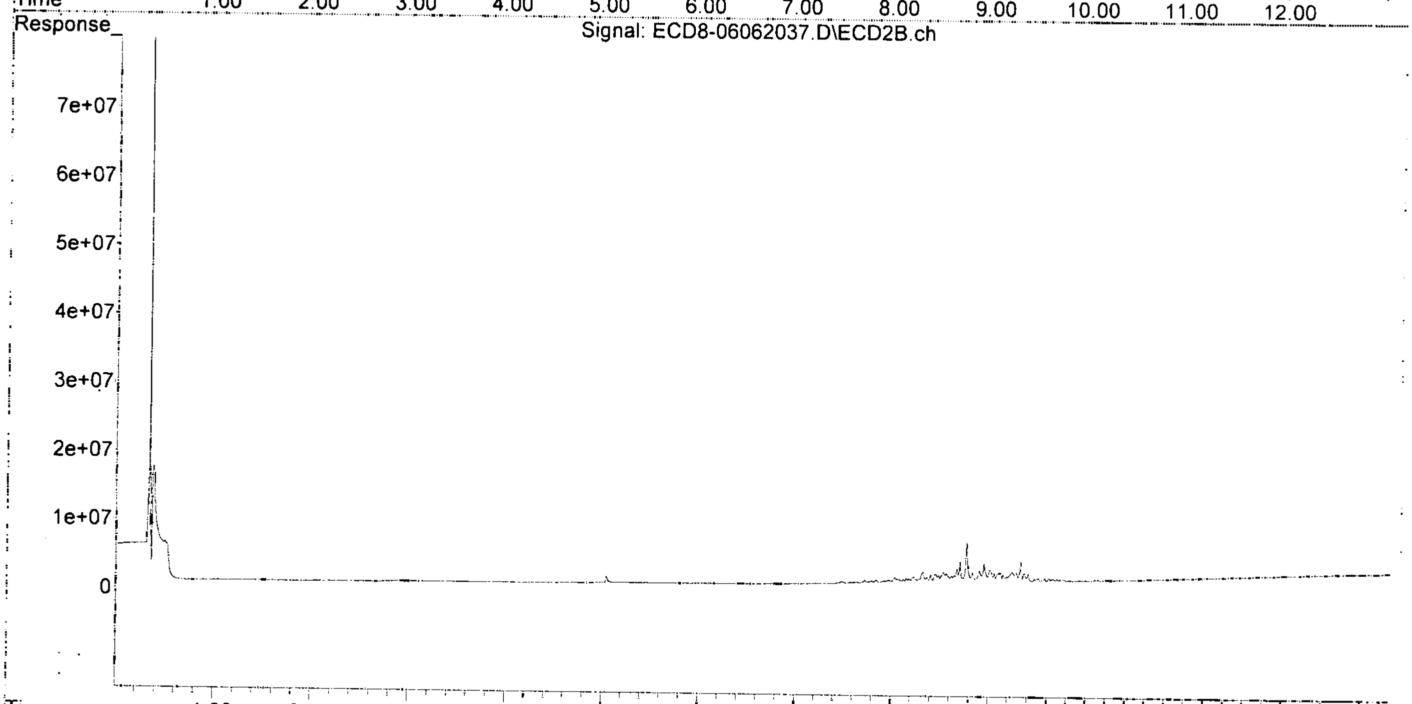
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:39
Operator : MJB
Sample : 0F06008-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:56
Operator : MJB
Sample : 0F06008-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

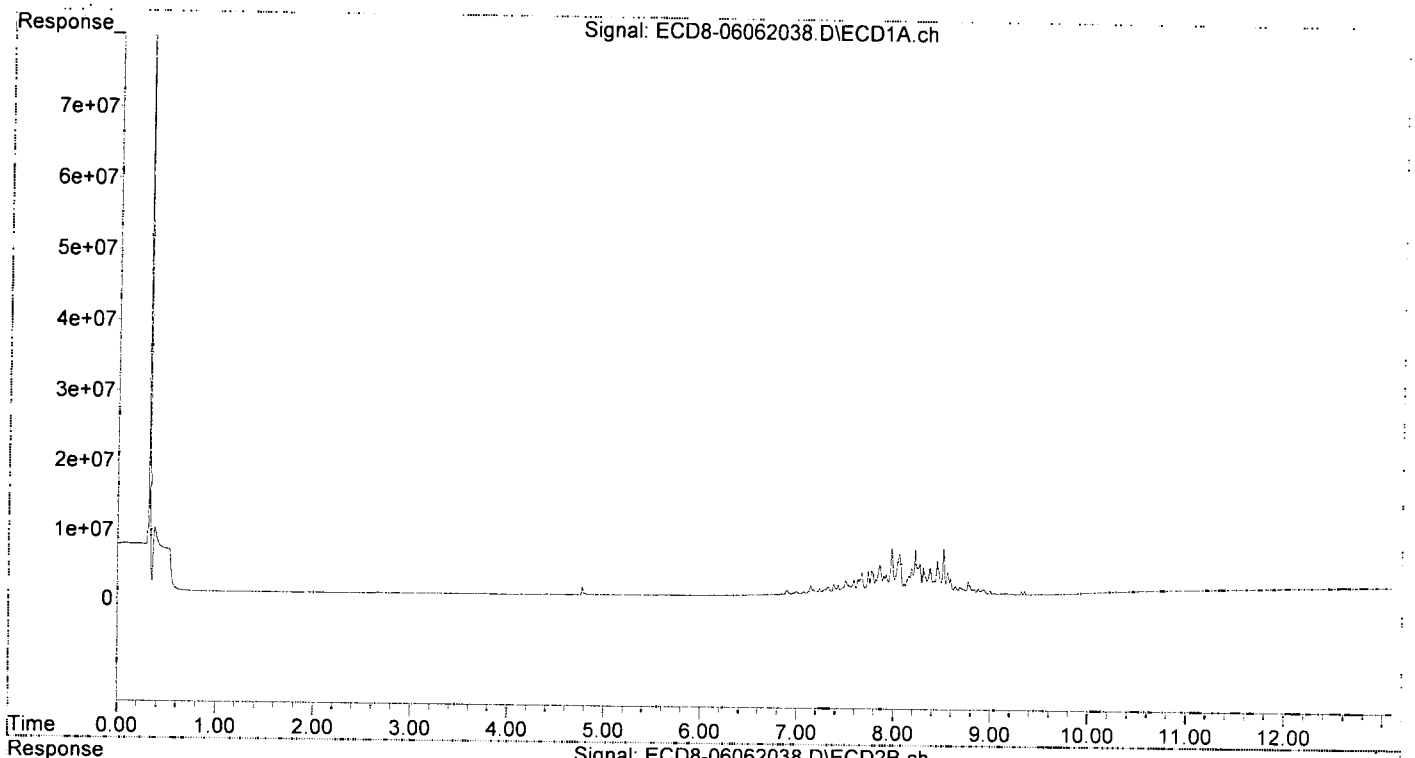
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.861	0	166986	N.D.	0.047	#
22)	S DCBP (S)	9.474	10.412	101516	7143	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.818	6.456	25529	18704	0.005	0.004	#
3)	g-BHC	0.000	6.763	0	25387	N.D.	0.006	#
4)	b-BHC	6.175	6.846	26293	13677	0.015	0.007	#
5)	Heptachlor	6.508	7.148	75785	55482	0.019	0.013	#
6)	d-BHC	6.309	7.089	12956	45153	0.037	0.048	#
7)	Aldrin	6.745	7.406	191692	66183	0.044	0.017	#
8)	Heptachlo...	7.211	7.839	624975	935549	0.158	0.249	#
9)	trans-Chl...	7.289	7.991	856511	705355	0.213	0.185	
10)	cis-Chlor...	7.378f	8.076	1661660	1043672	0.251	0.280	
11)	Endosulfa...	7.503	8.151	2127326	1429835	0.578	0.422	#
12)	4,4'-DDE	7.474	8.213	1122780	1624430	0.306	0.497	#
13)	Dieldrin	7.670	8.363	3335225	1692144	0.826	0.439	#
14)	Endrin	7.814	8.562	2357664	2632406	0.699	0.890	#
15)	4,4'-DDD	7.898	8.620	2768324	2101439	0.970	0.779	
16)	Endosulfa...	7.981	8.706	6846475	5827857	2.250	1.927	
17)	4,4'-DDT	8.058f	8.833	6014080	2631541	2.643	1.020	#
18)	Endrin Al...	8.269	8.952	4625839	5383300	1.499	1.861	
19)	Endosulfa...	8.586	9.149	2468195	2308783	0.836	0.779	
20)	Methoxychlor	8.420	9.330	2196912	5801758	1.942	4.642	#
21)	Endrin Ke...	8.769	9.576f	2002222	1032720	0.561	0.307	#
23)	Hexachlor...	0.000	3.557f	0	22047	N.D.	BelowCal	
24)	Hexachlor...	5.628f	6.320	24077	18109	BelowCal	BelowCal	
25)	Oxychlordane	7.139	7.760	1439800	504807	0.262	BelowCal	#
26)	2,4'-DDE	7.211	7.991	624975	705355	0.261	0.085	#
27)	trans-Non...	7.378	8.060	1661660	1088052	0.198	0.078	#
28)	2,4'-DDD	7.587	8.363	2268578	1692144	1.018	0.814	
29)	2,4'-DDT	7.770	8.562	3635385	2632406	1.831	1.256	#
30)	cis-Nonac...	7.857	8.620	4471293	2101439	1.087	0.526	#
31)	Mirex	8.516	9.501f	6835641	1181031	2.486	0.242	#
32)	Chlordane...	7.289	7.991	856511	705355	2.074	1.628	
33)	Chlordane...	7.378	8.076	1661660	1043672	3.230	2.861	
34)	Chlordane...	7.921f	8.773	2995147	10563005	23.168	88.560	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.378	8.323	1661660	3187485	101.055	97.139	
37)	Toxaphene...	7.670	8.672	3335225	4059174	102.470	95.320	
38)	Toxaphene...	7.981	8.706	6846475	5827857	94.374	92.233	
39)	Toxaphene...	8.222	8.773	6690852	10563005	100.042	97.495	
40)	Toxaphene...	8.449	8.952	4962066	5383300	95.270	91.684	
41)	Toxaphene...	8.516	9.330	6835641	5801758	92.628	90.306	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

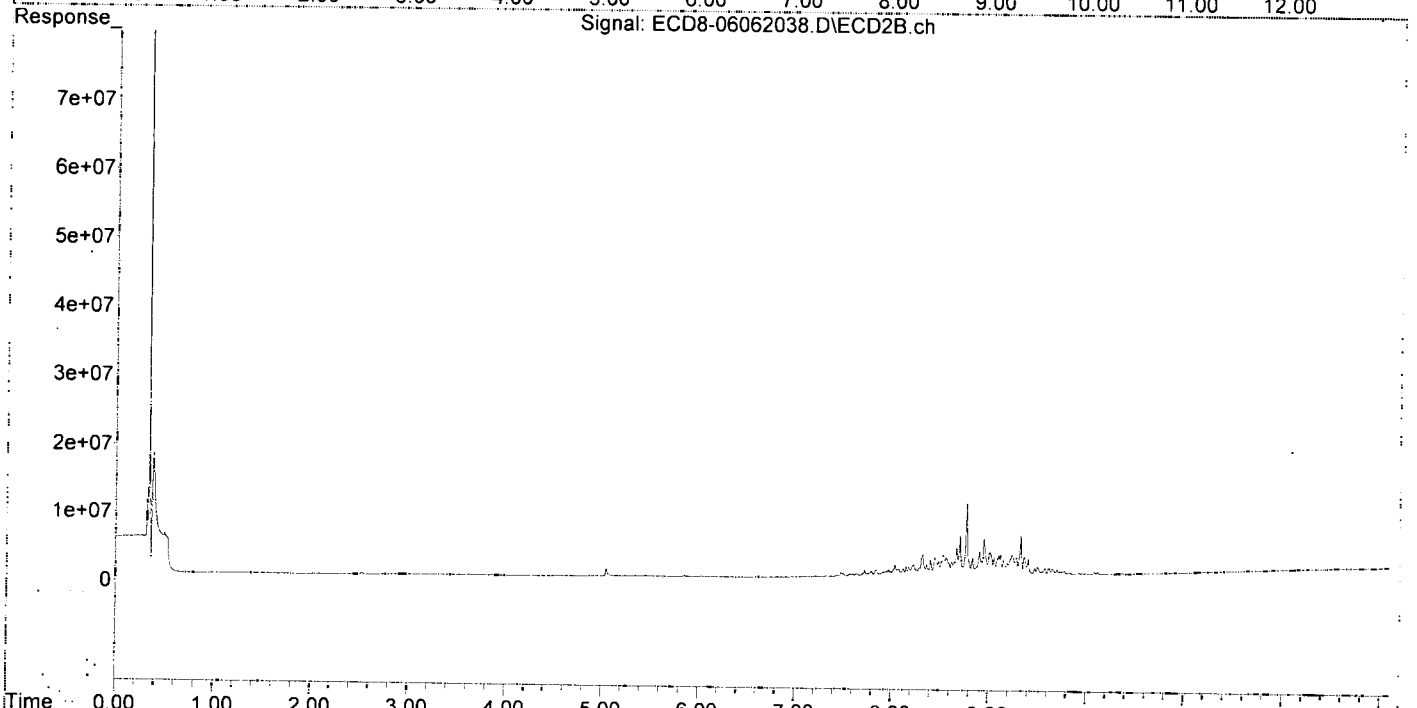
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:56
Operator : MJB
Sample : 0F06008-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:12
Operator : MJB
Sample : 0F06008-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

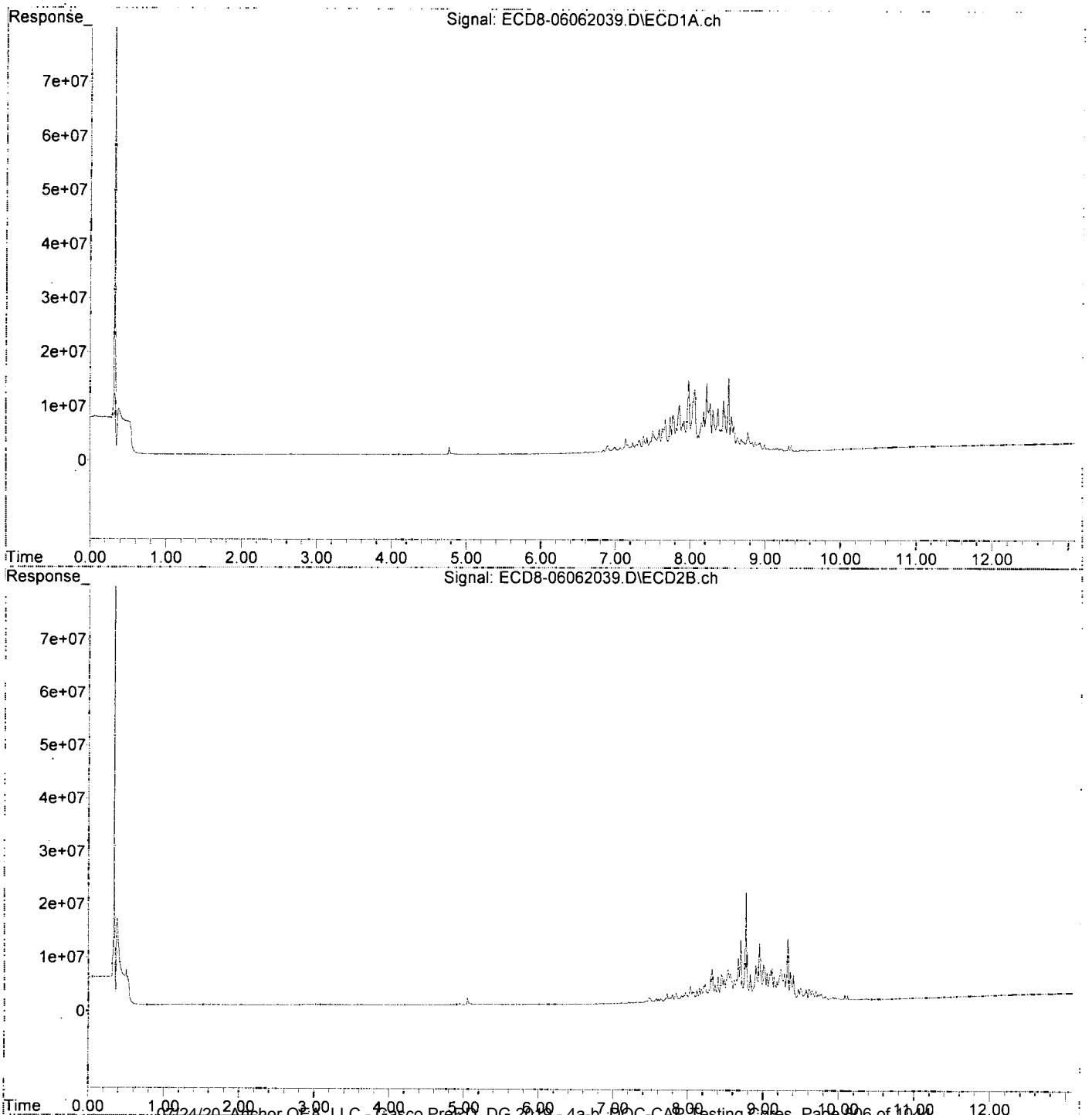
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.296f	5.842	13483	24710	0.004	0.007	#
22)	S DCBP (S)	9.473	10.371f	207793	189983	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	5.816	6.452	33053	33624	0.007	0.007	
3)	g-BHC	6.105	6.766	11121	40870	0.003	0.010	#
4)	b-BHC	6.169	6.841	6914	23464	0.004	0.013	#
5)	Heptachlor	6.506	7.147	139489	127412	0.035	0.030	
6)	d-BHC	6.317	7.111	25690	190547	0.041	0.087	#
7)	Aldrin	6.745	7.437f	359879	438187	0.083	0.109	#
8)	Heptachlo...	7.209	7.840	1189159	1850625	0.301	0.492	#
9)	trans-Chl...	7.287	7.991	1635908	1470311	0.407	0.385	
10)	cis-Chlor...	7.405	8.077	1771458	2027126	0.281	0.544	#
11)	Endosulfa...	7.501	8.151	4055606	2743080	1.102	0.809	#
12)	4,4'-DDE	7.473	8.214	2153947	3180681	0.588	0.967	#
13)	Dieldrin	7.670	8.362	6236956	3320054	1.545	0.861	#
14)	Endrin	7.814	8.563	4683726	5269901	1.388	1.783	#
15)	4,4'-DDD	7.898	8.619	5435331	4135266	1.905	1.552	
16)	Endosulfa...	7.980	8.705	13382025	11658085	4.398	3.855	
17)	4,4'-DDT	8.062f	8.833	11628527	5144630	5.081	2.026	#
18)	Endrin Al...	8.269	8.952	9052524	10785883	3.122	3.728	
19)	Endosulfa...	8.585	9.150	4843113	4611724	1.640	1.555	
20)	Methoxychlor	8.420	9.330	4209960	11724043	3.840	9.460	#
21)	Endrin Ke...	8.769	9.576f	3656574	2159294	1.025	0.643	#
23)	Hexachlor...	0.000	3.556f	0	14926	N.D.	BelowCal	
24)	Hexachlor...	5.694f	6.310	21608	18700	BelowCal	BelowCal	
25)	Oxychlordane	7.138	7.760	2728782	1004331	0.671	0.128	#
26)	2,4'-DDE	7.209	7.991	1189159	1470311	0.497	0.450	
27)	trans-Non...	7.405	8.061	1771458	2046707	0.230	0.373	#
28)	2,4'-DDD	7.587	8.362	4370951	3320054	2.146	1.597	#
29)	2,4'-DDT	7.770	8.563	7032689	5269901	3.698	2.677	#
30)	cis-Nonac...	7.858	8.619	8813326	4135266	2.143	1.035	#
31)	Mirex	8.516	9.501f	13660201	2421723	5.288	0.798	#
32)	Chlordane...	7.287	7.991	1635908	1470311	3.960	3.395	
33)	Chlordane...	7.405	8.077	1771458	2027126	3.443	5.556	#
34)	Chlordane...	7.921f	8.773	5900726	20436846	45.644	171.342	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.376	8.323	3191894	6174593	197.562	188.171	
37)	Toxaphene...	7.670	8.672	6236956	8120804	194.958	190.697	
38)	Toxaphene...	7.980	8.705	13382025	11658085	184.462	184.503	
39)	Toxaphene...	8.223	8.773	12821813	20436846	199.013	202.667	✓
40)	Toxaphene...	8.449	8.952	9567302	10785883	183.689	183.697	
41)	Toxaphene...	8.516	9.330	13660201	11724043	185.107	182.488	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:12
Operator : MJB
Sample : 0F06008-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:29
Operator : MJB
Sample : 0F06008-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:29 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 41720

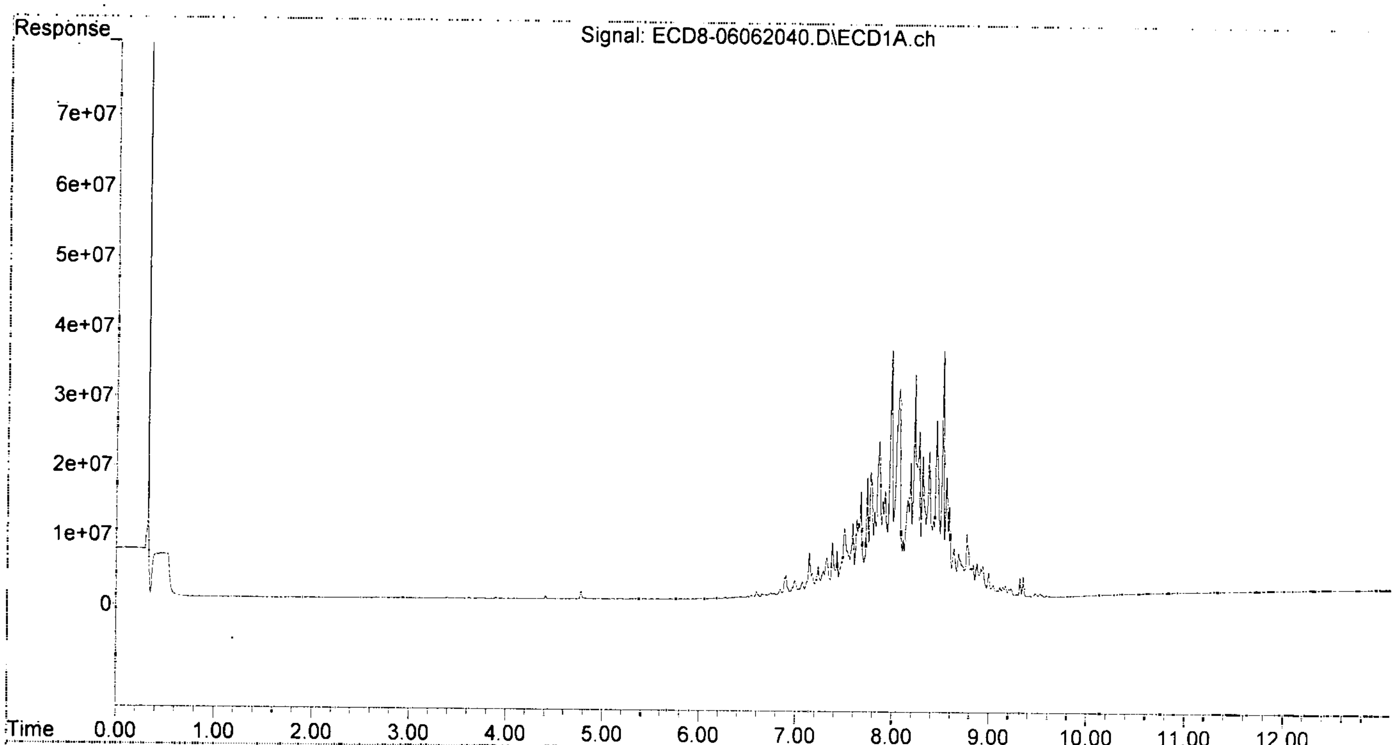
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.290	5.860	14829	93705	0.004	0.026	#
22)	S DCBP (S)	9.473	10.370f	569568	608121	BelowCal	0.067	
	Target Compounds							
2)	a-BHC	5.813	6.454	64368	65022	0.013	0.014	
3)	g-BHC	6.083	6.765	29424	122933	0.007	0.029	#
4)	b-BHC	6.168	6.841	100707	84817	0.056	0.046	
5)	Heptachlor	6.506	7.147	355565	348969	0.090	0.082	
6)	d-BHC	6.307	7.088	114538	241657	0.067	0.101	#
7)	Aldrin	6.745	7.436f	862543	1084916	0.200	0.271	#
8)	Heptachlo...	7.209	7.839	2850192	4541282	0.721	1.206	#
9)	trans-Chl...	7.288	7.991	3925074	3649633	0.976	0.956	
10)	cis-Chlor...	7.405	8.075	4058426	4815998	0.913	1.293	#
11)	Endosulfa...	7.500	8.151	10009465	6669990	2.719	1.966	#
12)	4,4'-DDE	7.473	8.213	5313209	8239426	1.450	2.489	#
13)	Dieldrin	7.669	8.362	15296757	8197389	3.790	2.126	#
14)	Endrin	7.813	8.564	12384484	13770795	3.670	4.658	#
15)	4,4'-DDD	7.896	8.620	13907509	10797952	4.874	4.069	
16)	Endosulfa...	7.980	8.704	35720189	30150729	11.739	9.971	
17)	4,4'-DDT	8.063	8.832	30102907	13283762	12.966	5.257	#
18)	Endrin Al...	8.269	8.951	23950429	28463697	8.568	9.838	
19)	Endosulfa...	8.586	9.149	13079264	12292873	4.429	4.146	
20)	Methoxychlor	8.420	9.330	11096270	30904377	10.244	24.552	#
21)	Endrin Ke...	8.768	9.575f	9092897	6096100	2.549	1.815	#
23)	Hexachlor...	0.000	3.559f	0	149559	N.D.	BelowCal	
24)	Hexachlor...	5.693f	6.320	31608	25288	BelowCal	BelowCal	
25)	Oxychlordane	7.139	7.758	6527422	2488845	1.875	0.635	#
26)	2,4'-DDE	7.209	7.991	2850192	3649633	1.191	1.490	#
27)	trans-Non...	7.405	8.060	4058426	4984898	0.898	1.276	#
28)	2,4'-DDD	7.587	8.362	10746422	8197389	5.553	3.944	#
29)	2,4'-DDT	7.769	8.588	18083079	9952552	9.719	5.183	#
30)	cis-Nonac...	7.857	8.620	22554493	10797952	5.485	2.702	#
31)	Mirex	8.515	9.501f	35541888	6814632	14.261	2.763	#
32)	Chlordane...	7.288	7.991	3925074	3649633	9.502	8.426	
33)	Chlordane...	7.405	8.075	4058426	4815998	7.888	13.200	#
34)	Chlordane...	7.919f	8.773	15397958	52877394	119.108	443.323	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.376	8.323	7997162	15837804	498.012	482.657	
37)	Toxaphene...	7.669	8.671	15296757	20803186	484.358	488.513	
38)	Toxaphene...	7.980	8.704	35720189	30150729	492.378	477.171	
39)	Toxaphene...	8.221	8.773	32159395	52877394	502.558	528.820	
40)	Toxaphene...	8.449	8.951	25484963	28463697	489.303	484.771	
41)	Toxaphene...	8.515	9.330	35541888	30904377	481.621	481.034	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

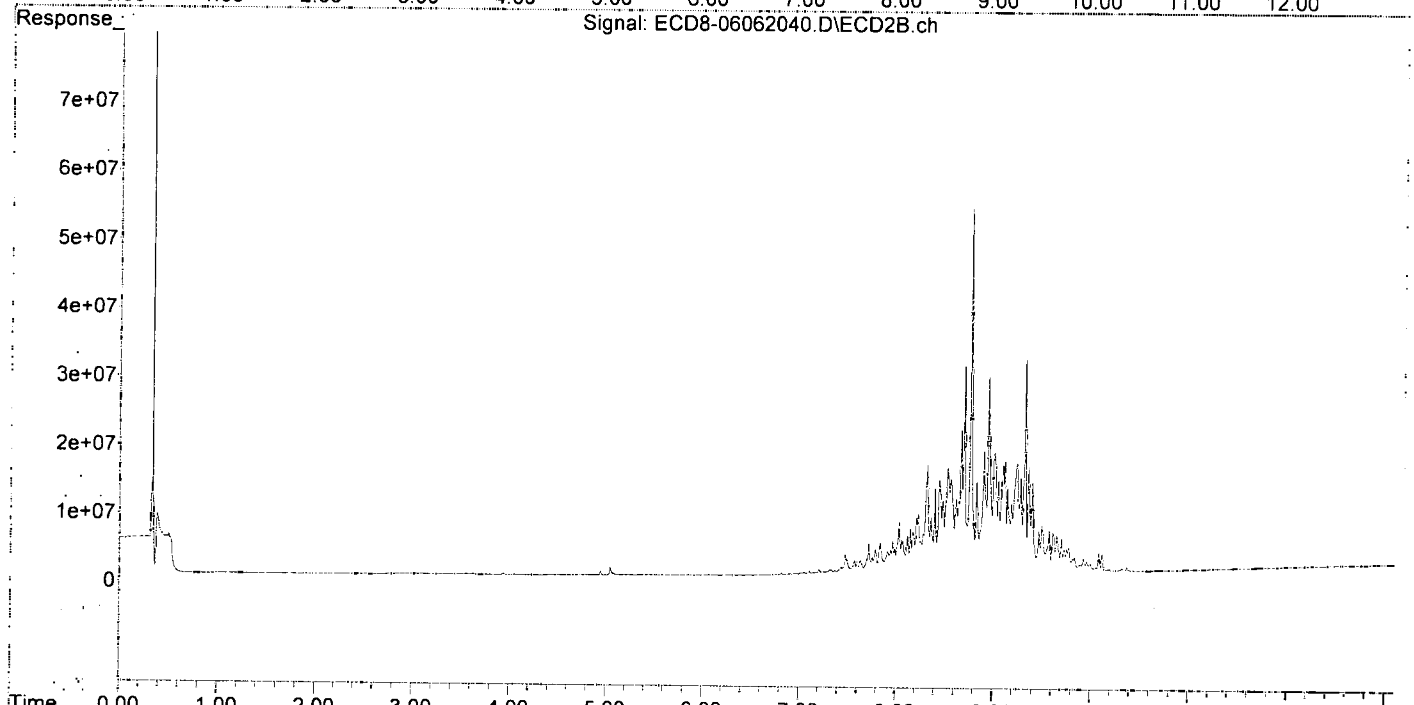
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:29
Operator : MJB
Sample : 0F06008-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:29 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:45
Operator : MJB
Sample : 0F06008-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

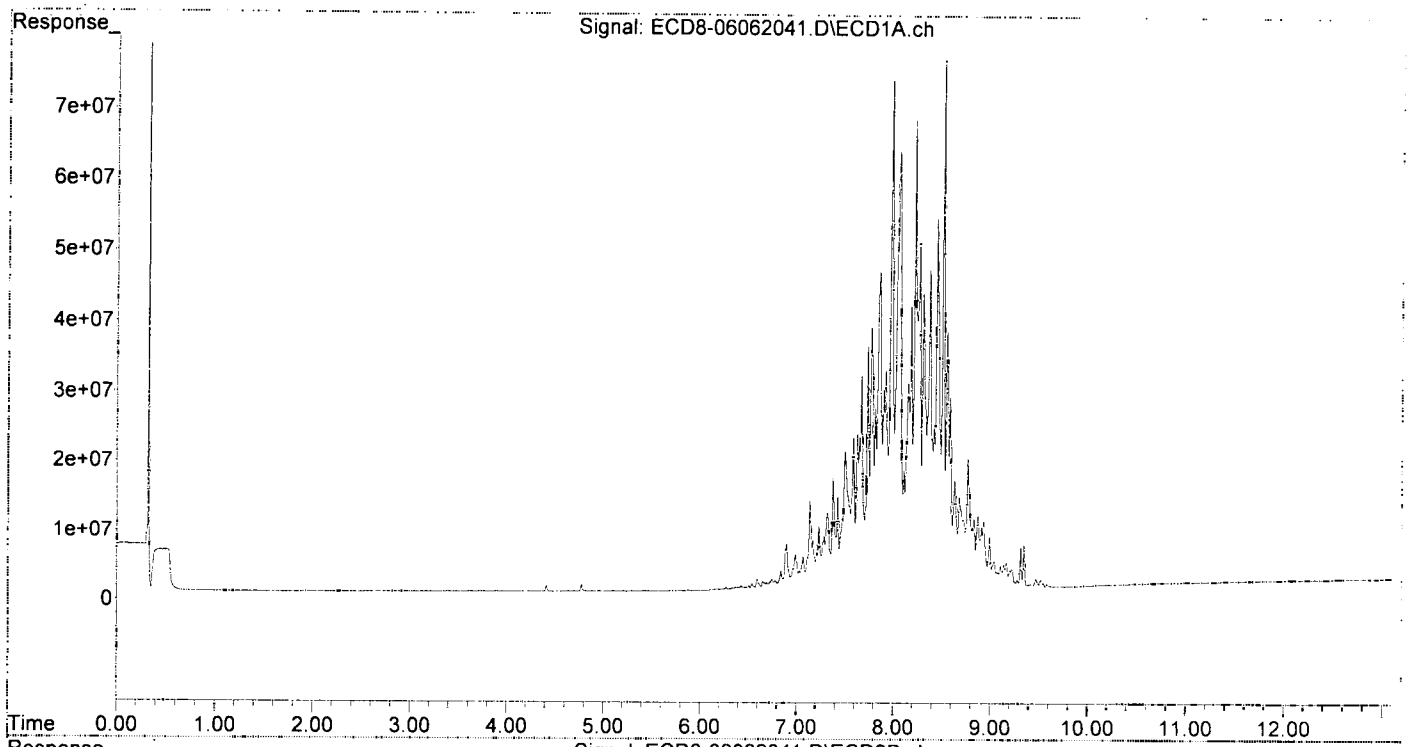
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.255	5.843	14075	25086	0.004	0.007	#
22)	S DCBP (S)	9.473	10.371f	1242302	1413887	0.226	0.422	#
	Target Compounds							
2)	a-BHC	5.810	6.454	137798	134666	0.028	0.028	
3)	g-BHC	6.082	6.764	79929	257772	0.019	0.060	#
4)	b-BHC	6.174	6.842	195137	177521	0.108	0.097	
5)	Heptachlor	6.507	7.144	675470	675075	0.171	0.159	
6)	d-BHC	6.305	7.085	245553	451857	0.105	0.157	#
7)	Aldrin	6.746	7.436f	1583423	2002995	0.367	0.499	#
8)	Heptachlo...	7.208	7.838	5391414	8843468	1.364	2.349	#
9)	trans-Chl...	7.286	7.990	7703627	7389133	1.915	1.935	
10)	cis-Chlor...	7.376f	8.075f	15918869	9389361	4.178	2.520	#
11)	Endosulfa...	7.501	8.149	19913280	13024729	5.410	3.840	#
12)	4,4'-DDE	7.473	8.213	10377575	16573650	2.831	4.979	#
13)	Dieldrin	7.669	8.361	30835026	16423449	7.639	4.260	#
14)	Endrin	7.812	8.563	26090454	28491953	7.731	9.637	
15)	4,4'-DDD	7.898	8.619	28681134	22714256	10.052	8.509	
16)	Endosulfa...	7.980	8.705	72576238	63344254	23.852	20.948	
17)	4,4'-DDT	8.058f	8.832	62366210	27797963	26.269	10.912	#
18)	Endrin Al...	8.268	8.951	49429615	58948018	17.824	20.374	
19)	Endosulfa...	8.586	9.149	27571531	26600519	9.336	8.971	
20)	Methoxychlor	8.419	9.330	23225383	66625407	21.214	50.868	#
21)	Endrin Ke...	8.769	9.575f	18642133	13172367	5.227	3.922	
23)	Hexachlor...	0.000	3.557f	0	145820	N.D.	BelowCal	
24)	Hexachlor...	5.653	6.305	17059	48401	BelowCal	BelowCal	
25)	Oxychlordane	7.137	7.758	12965478	4695036	3.914	1.389	#
26)	2,4'-DDE	7.208	7.990	5391414	7389133	2.253	3.266	#
27)	trans-Non...	7.376	8.060	15918869	9714152	4.357	2.727	#
28)	2,4'-DDD	7.586	8.361	22009343	16423449	11.528	7.902	#
29)	2,4'-DDT	7.769	8.563	37596387	28491953	20.159	14.876	#
30)	cis-Nonac...	7.857	8.619	45449502	22714256	11.053	5.683	#
31)	Mirex	8.515	9.501f	75158985	14315496	30.458	6.110	#
32)	Chlordane...	7.286	7.990	7703627	7389133	18.650	17.059	
33)	Chlordane...	7.376f	8.075	15918869	9389361	30.940	25.735	
34)	Chlordane...	7.919f	8.773	31598839	108.7E6	244.426	911.080	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.376	8.322	15918869	32082992	985.028	977.729	
37)	Toxaphene...	7.669	8.671	30835026	43558867	982.950	1022.875	
38)	Toxaphene...	7.980	8.705	72576238	63344254	1000.413	1002.498	
39)	Toxaphene...	8.221	8.773	66825708	108.7E6	1017.785	1034.934	
40)	Toxaphene...	8.448	8.951	52844619	58948018	1014.600	1003.956	
41)	Toxaphene...	8.515	9.330	75158985	66625407	1018.464	1037.040	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

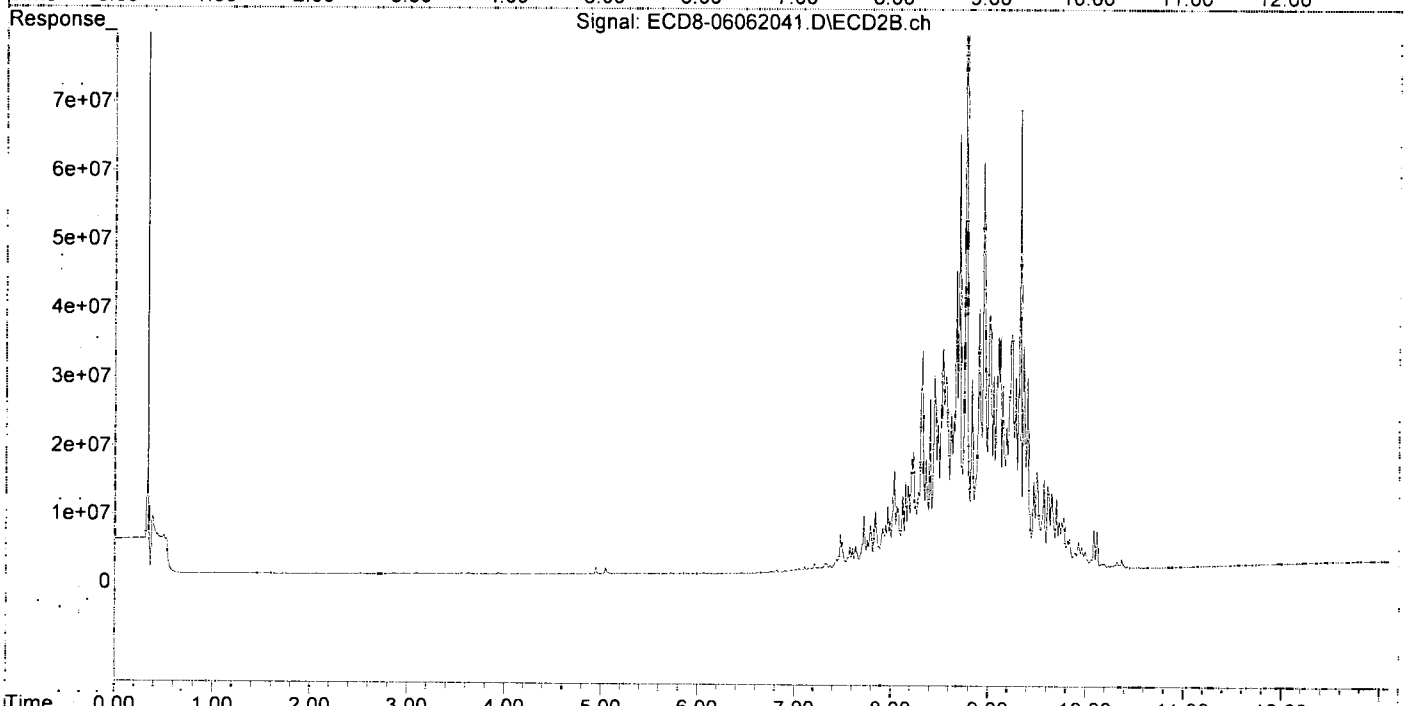
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:45
Operator : MJB
Sample : 0F06008-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:02
Operator : MJB
Sample : 0F06008-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

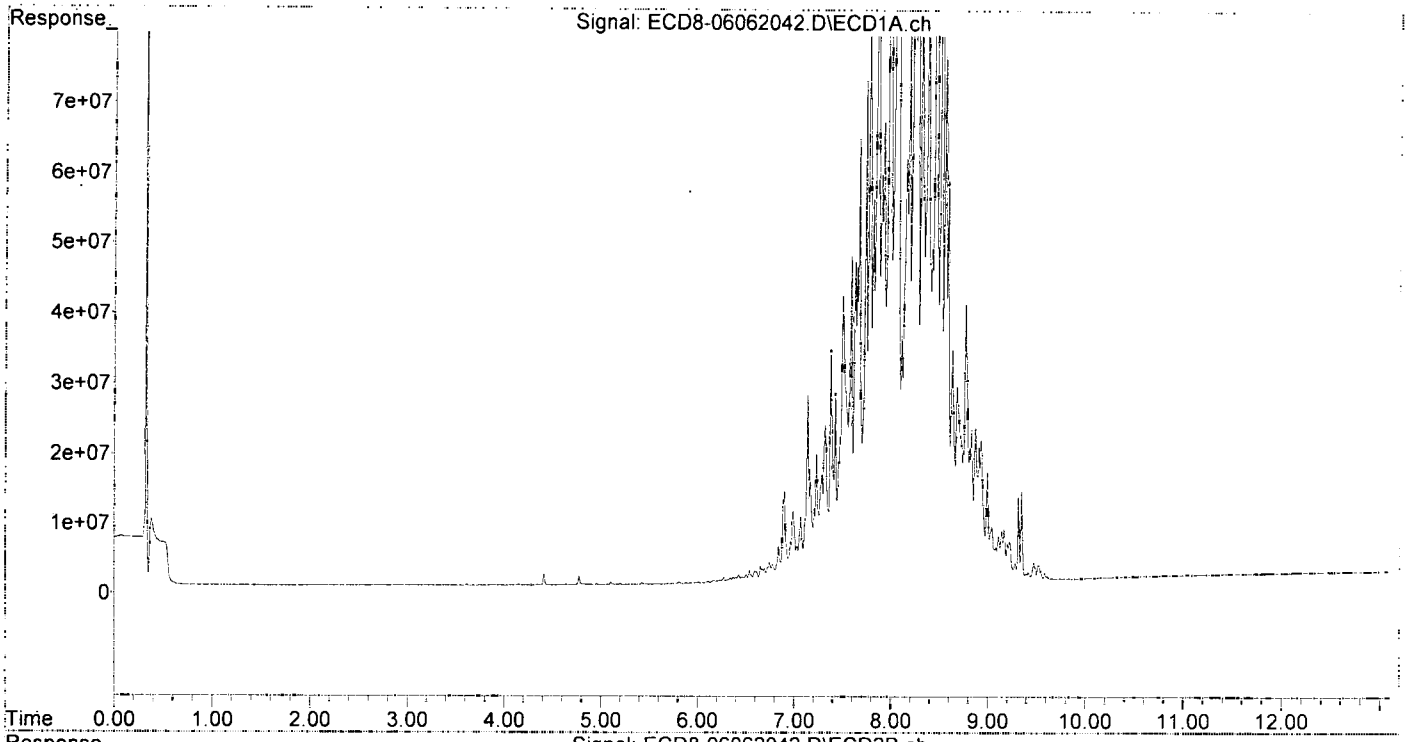
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.257	5.858	24749	55546	0.007	0.016	#
22)	S	DCBP (S)	9.474	10.371f	2529781	2894048	0.682	1.072	#
		Target Compounds							
2)		a-BHC	5.813	6.453	289035	276992	0.059	0.058	
3)		g-BHC	6.082	6.762	210192	516915	0.049	0.121	#
4)		b-BHC	6.169	6.841	425036	371565	0.236	0.203	
5)		Heptachlor	6.506	7.144	1285598	1314452	0.325	0.310	
6)		d-BHC	6.306	7.090	528697	853595	0.188	0.265	#
7)		Aldrin	6.744	7.436f	3023887	3893714	0.701	0.971	#
8)		Heptachlo...	7.208	7.839	10787929	17485494	2.730	4.645	#
9)		trans-Chl...	7.286	7.990	15567565	15020555	3.869	3.934	
10)		cis-Chlor...	7.375f	8.075	33243746	18603675	8.922	4.993	#
11)		Endosulfa...	7.499	8.150	40925007	26905756	11.118	7.932	#
12)		4,4'-DDE	7.471	8.213	20962140	34255391	5.719	10.193	#
13)		Dieldrin	7.668	8.362	63292655	33802939	15.680	8.768	#
14)		Endrin	7.812	8.569	54692913	59767968	16.207	20.217	
15)		4,4'-DDD	7.896	8.618	58268335	48397863	20.422	17.823	
16)		Endosulfa...	7.979	8.728	146.3E6	31512998	48.089	10.421	#
17)		4,4'-DDT	8.062f	8.831	128.1E6	58129729	51.778	22.328	#
18)		Endrin Al...	8.268	8.951	100.0E6	127.5E6	35.984	44.080	
19)		Endosulfa...	8.585	9.149	57090129	57101615	19.331	19.258	
20)		Methoxychlor	8.419	9.330	47592696	139.9E6	42.189	99.295	#
21)		Endrin Ke...	8.768	9.575f	39535315	27847636	11.085	8.291	#
23)		Hexachlor...	0.000	3.560f	0	18758	N.D.	BelowCal	
24)		Hexachlor...	5.646	6.302	27900	112954	BelowCal	BelowCal	
25)		Oxychlordane	7.137	7.789	26817557	13651801	8.291	4.440	#
26)		2,4'-DDE	7.208	7.990	10787929	15020555	4.507	6.864	#
27)		trans-Non...	7.375	8.060	33243746	19731864	9.391	5.790	#
28)		2,4'-DDD	7.586	8.362	46623717	33802939	24.392	16.264	#
29)		2,4'-DDT	7.768	8.569	78379903	59767968	41.252	30.489	#
30)		cis-Nonac...	7.856	8.618	93791662	48397863	22.810	12.109	#
31)		Mirex	8.515	9.500f	156.1E6	30461769	63.361	13.282	#
32)		Chlordane...	7.286	7.990	15567565	15020555	37.688	34.678	
33)		Chlordane...	7.375f	8.075	33243746	18603675	64.613	50.991	
34)		Chlordane...	7.918f	8.773	65851149	226.7E6	509.378	1900.672	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.375	8.322	33243746	65111902	2016.826	1984.284	
37)		Toxaphene...	7.668	8.671	63292655	91375711	2033.812	2145.738	
38)		Toxaphene...	7.979	8.704	146.3E6	134.7E6	2016.992	2132.261	
39)		Toxaphene...	8.222	8.773	138.0E6	226.7E6	1983.282	1952.349	
40)		Toxaphene...	8.448	8.951	109.1E6	127.5E6	2094.877	2172.103	
41)		Toxaphene...	8.515	9.330	156.1E6	139.9E6	2115.480	2177.981	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

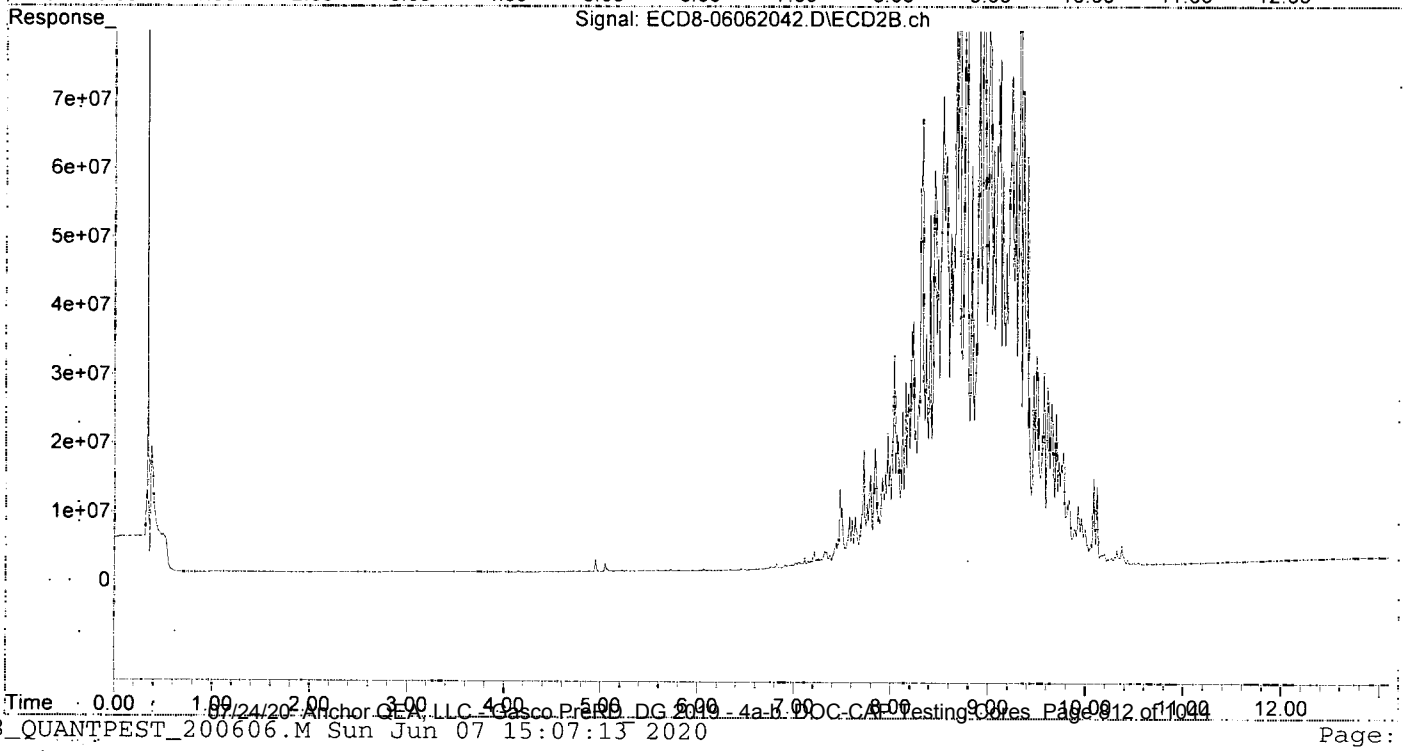
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\REQUANT\
Data File : ECD8-06062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:02
Operator : MJB
Sample : 0F06008-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 15:04:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 14:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation





Sequence Name: C:\msdchem\1\sequence\0F06008.s
Comment: Pesticides
Operator: MJB
Data Path: C:\MSDCHEM\1\DATA\2020-06\0F06008\
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		ECD8-06062001
	Method		ECD8_AQUPEST_190925
2)	Sample	1	Hexane
	Datafile		ECD8-06062002
	Method		ECD8_AQUPEST_190925
3)	Sample	2	0F06008-BKD1
	Datafile		ECD8-06062003
	Method		ECD8_AQUPEST_190925
4)	Sample	3	0F06008-ICB1
	Datafile		ECD8-06062004
	Method		ECD8_AQUPEST_190925
5)	Sample	4	0F06008-CAL1
	Datafile		ECD8-06062005
	Method		ECD8_AQUPEST_190925
6)	Sample	5	0F06008-CAL2
	Datafile		ECD8-06062006
	Method		ECD8_AQUPEST_190925
7)	Sample	6	0F06008-CAL3
	Datafile		ECD8-06062007
	Method		ECD8_AQUPEST_190925
8)	Sample	7	0F06008-CAL4
	Datafile		ECD8-06062008
	Method		ECD8_AQUPEST_190925
9)	Sample	8	0F06008-CAL5
	Datafile		ECD8-06062009
	Method		ECD8_AQUPEST_190925
10)	Sample	9	0F06008-CAL6
	Datafile		ECD8-06062010
	Method		ECD8_AQUPEST_190925
11)	Sample	10	0F06008-CAL7
	Datafile		ECD8-06062011
	Method		ECD8_AQUPEST_190925
12)	Sample	11	0F06008-CAL8
	Datafile		ECD8-06062012
	Method		ECD8_AQUPEST_190925
13)	Sample	12	0F06008-CAL9
	Datafile		ECD8-06062013
	Method		ECD8_AQUPEST_190925
14)	Sample	1	0F06008-IBL1
	Datafile		ECD8-06062014
	Method		ECD8_AQUPEST_190925
15)	Sample	13	0F06008-ICV1
	Datafile		ECD8-06062015
	Method		ECD8_AQUPEST_190925
16)	Sample	14	0F06008-CALA
	Datafile		ECD8-06062016
	Method		ECD8_AQUPEST_190925
17)	Sample	15	0F06008-CALB
	Datafile		ECD8-06062017
	Method		ECD8_AQUPEST_190925
18)	Sample	16	0F06008-CALC
	Datafile		ECD8-06062018
	Method		ECD8_AQUPEST_190925
19)	Sample	17	0F06008-CALD
	Datafile		ECD8-06062019
	Method		ECD8_AQUPEST_190925
20)	Sample	18	0F06008-CALE

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	Datafile		ECD8-06062020
	Method		ECD8_AQUPEST_190925
21)	Sample	19	0F06008-CALF
	Datafile		ECD8-06062021
	Method		ECD8_AQUPEST_190925
22)	Sample	20	0F06008-CALG
	Datafile		ECD8-06062022
	Method		ECD8_AQUPEST_190925
23)	Sample	21	0F06008-CALH
	Datafile		ECD8-06062023
	Method		ECD8_AQUPEST_190925
24)	Sample	22	0F06008-CALI
	Datafile		ECD8-06062024
	Method		ECD8_AQUPEST_190925
25)	Sample	1	0F06008-IBL2
	Datafile		ECD8-06062025
	Method		ECD8_AQUPEST_190925
26)	Sample	23	0F06008-ICV2
	Datafile		ECD8-06062026
	Method		ECD8_AQUPEST_190925
27)	Sample	24	0F06008-CALJ
	Datafile		ECD8-06062027
	Method		ECD8_AQUPEST_190925
28)	Sample	25	0F06008-CALK
	Datafile		ECD8-06062028
	Method		ECD8_AQUPEST_190925
29)	Sample	26	0F06008-CALL
	Datafile		ECD8-06062029
	Method		ECD8_AQUPEST_190925
30)	Sample	27	0F06008-CALM
	Datafile		ECD8-06062030
	Method		ECD8_AQUPEST_190925
31)	Sample	28	0F06008-CALN
	Datafile		ECD8-06062031
	Method		ECD8_AQUPEST_190925
32)	Sample	29	0F06008-CALO
	Datafile		ECD8-06062032
	Method		ECD8_AQUPEST_190925
33)	Sample	30	0F06008-CALP
	Datafile		ECD8-06062033
	Method		ECD8_AQUPEST_190925
34)	Sample	1	0F06008-IBL3
	Datafile		ECD8-06062034
	Method		ECD8_AQUPEST_190925
35)	Sample	31	0F06008-ICV3
	Datafile		ECD8-06062035
	Method		ECD8_AQUPEST_190925
36)	Sample	32	0F06008-CALQ
	Datafile		ECD8-06062036
	Method		ECD8_AQUPEST_190925
37)	Sample	33	0F06008-CALR
	Datafile		ECD8-06062037
	Method		ECD8_AQUPEST_190925
38)	Sample	34	0F06008-CALS
	Datafile		ECD8-06062038
	Method		ECD8_AQUPEST_190925
39)	Sample	35	0F06008-CALT
	Datafile		ECD8-06062039
	Method		ECD8_AQUPEST_190925
40)	Sample	36	0F06008-CALU
	Datafile		ECD8-06062040
	Method		ECD8_AQUPEST_190925
41)	Sample	37	0F06008-CALV
	Datafile		ECD8-06062041
	Method		ECD8_AQUPEST_190925
42)	Sample	38	0F06008-CALW
	Datafile		ECD8-06062042
	Method		ECD8_AQUPEST_190925
43)	Sample	1	0F06008-IBL39 MTB 6/1/20
	Datafile		ECD8-06062043
	Method		ECD8_AQUPEST_190925

Sequence Name: C:\msdchem\1\sequence\0F06008.s

	Line Type	Vial	DataFile	Method	Sample Name
44)	Sample	39	0F06008-ICV84		MJB 6/7/20
	Datafile		ECD8-06062044		
	Method			ECD8_AQUPEST_190925	

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0F06008 BKD1
Data File: ECD8-06062003.D

First Column Area Counts		Percent Breakdown	
DDE	17663257		
DDD	51840706		
DDT	2413372474	**2.80**	**PASS**
Endrin	1622312114	**9.45**	**PASS**
Endrin Aldehyde	75526984		
Endrin Ketone	93835850		

Second Column Area Counts		Percent Breakdown	
DDE	17662272		
DDD	53171054		
DDT	2656377544	**2.60**	**PASS**
Endrin	1404825220	**10.35**	**PASS**
Endrin Aldehyde	71143425		
Endrin Ketone	91089375		

Breakdown must be less than 15% to accept sample data.

WR 6/7/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:18
Operator : MJB
Sample : 0F06008-BKD1
Misc : A20E203
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 06 15:33:36 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200606.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.467	17663257	NoCal	ng/mL
2)	Endrin	7.832	1622312114	NoCal	ng/mL
3)	4,4'-DDD	7.886	51840706	NoCal	ng/mL
4)	4,4'-DDT	8.084	2413372474	NoCal	ng/mL
5)	Endrin Aldehyde	8.280	75526984	NoCal	ng/mL
6)	Endrin Ketone	8.775	93835850	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.208	17662272	NoCal	ng/mL
9)	Endrin [2C]	8.572	1404825220	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.624	53171054	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.959	71143425	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.850	2656377544	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.550	91089375	NoCal	ng/mL

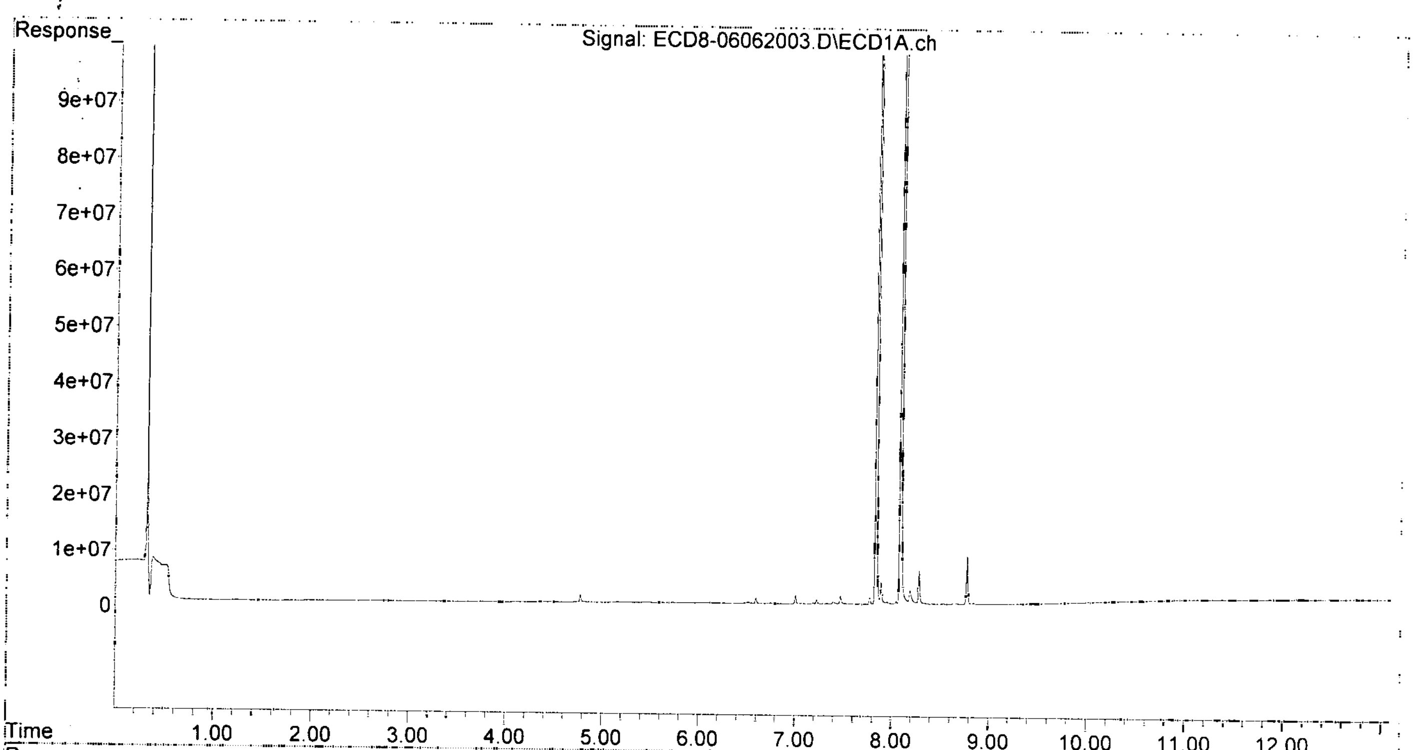
(f)=RT Delta > 1/2 Window (m)=manual int.

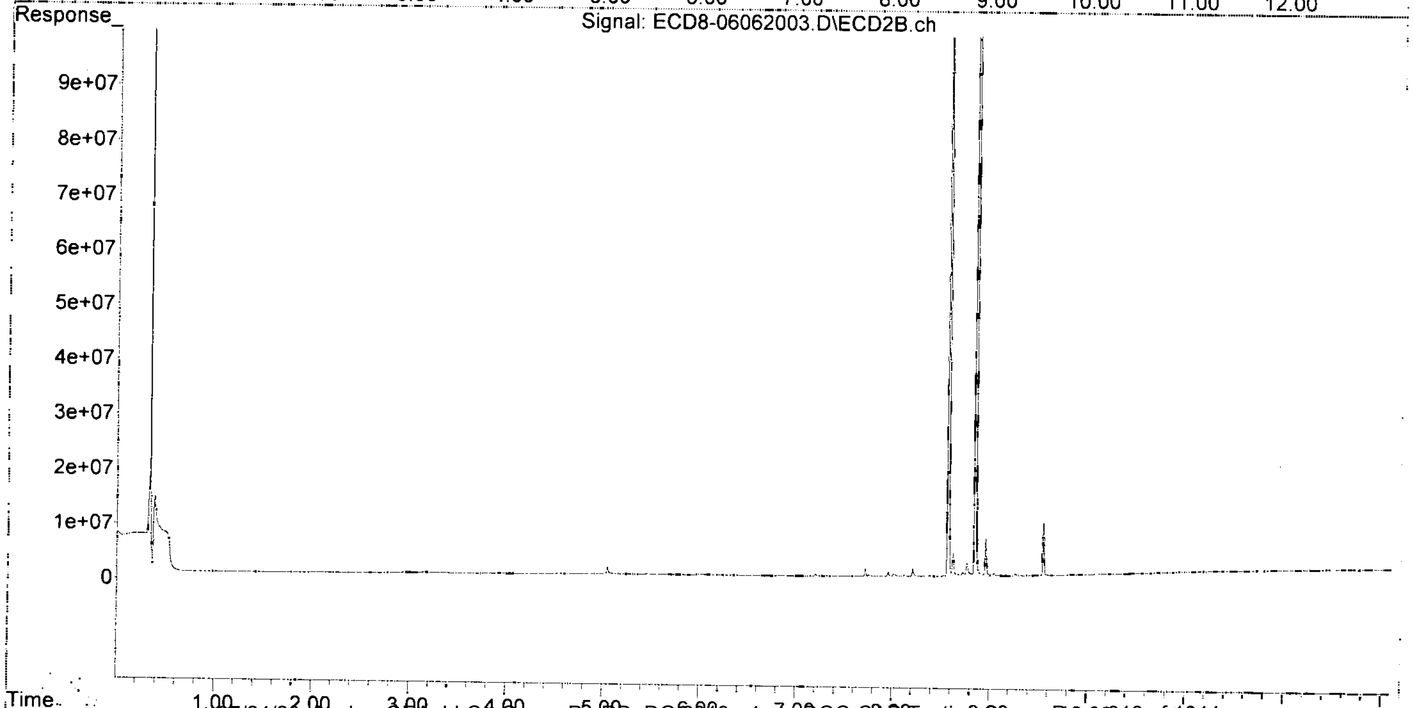
MJB 6/7/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:18
Operator : MJB
Sample : 0F06008-BKD1
Misc : A20E203
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 06 15:33:36 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200606.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:32:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

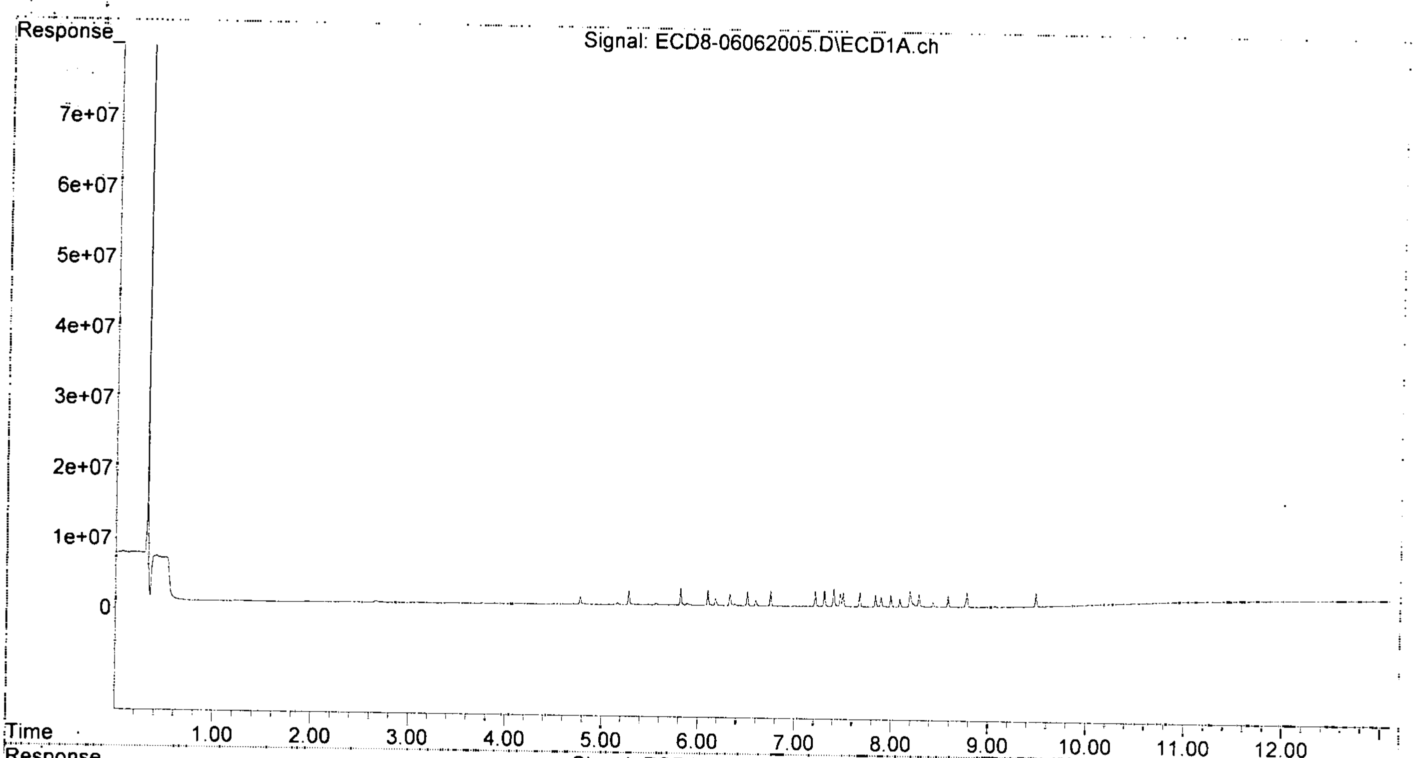
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.275	5.848	2044821	2041136	0.625	0.705
22) S	DCBP (S)	9.483	10.396	2013031	1600154	0.539	0.558
	Target Compounds						
2)	a-BHC	5.813	6.454	2436012	2268024	0.537	0.620
3)	g-BHC	6.095	6.772	2216617	2141693	0.558	0.577
4)	b-BHC	6.175	6.840	1029510	1069043	0.600	0.672
5)	Heptachlor	6.506	7.142	2089353	2287728	0.535	0.611
6)	d-BHC	6.323	7.093	1670301	1786163	0.585	0.629
7)	Aldrin	6.746	7.406	2216702	2023732	0.563	0.576
8)	Heptachlo...	7.207	7.847	2242901	2030251	0.630	0.639
9)	trans-Chl...	7.303	7.987	2326907	2136256	0.644	0.642
10)	cis-Chlor...	7.399	8.095	2588788	2156882	0.716	0.675
11)	Endosulfa...	7.496	8.144	2010361	1818776	0.604	0.604
12)	4,4'-DDE	7.467	8.208	1831508	1713296	0.567	0.635
13)	Dieldrin	7.669	8.345	2088893	1940818	0.572	0.588
14)	Endrin	7.832	8.572	1730100	1544731	0.671	0.757
15)	4,4'-DDD	7.888	8.625	1378674	1433465	0.592	0.616
16)	Endosulfa...	7.990	8.721	1690214	1615141	0.593	0.621
17)	4,4'-DDT	8.084	8.851	1176997	1397421	0.572	0.623
18)	Endrin Al...	8.280	8.960	1879799	1718494	0.512	0.510
19)	Endosulfa...	8.581	9.151	1642508	1592318	0.620	0.667
20)	Methoxychlor	8.425	9.335	692268	797429	0.629	0.622
21)	Endrin Ke...	8.774	9.550	2113749	1919402	0.616	0.679
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

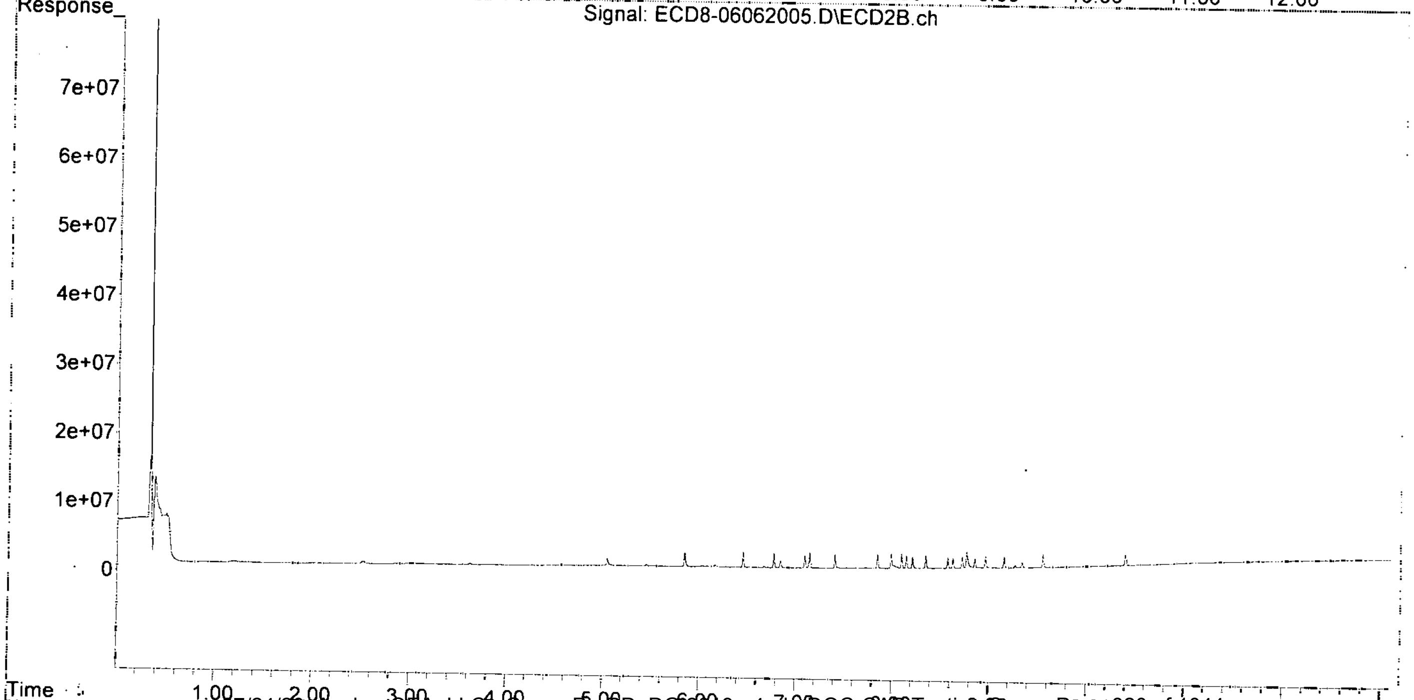
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 15:51
Operator : MJB
Sample : 0F06008-CAL1
Misc : A20F080, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:32:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:07
Operator : MJB
Sample : 0F06008-CAL2
Misc : A20F081, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:33:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

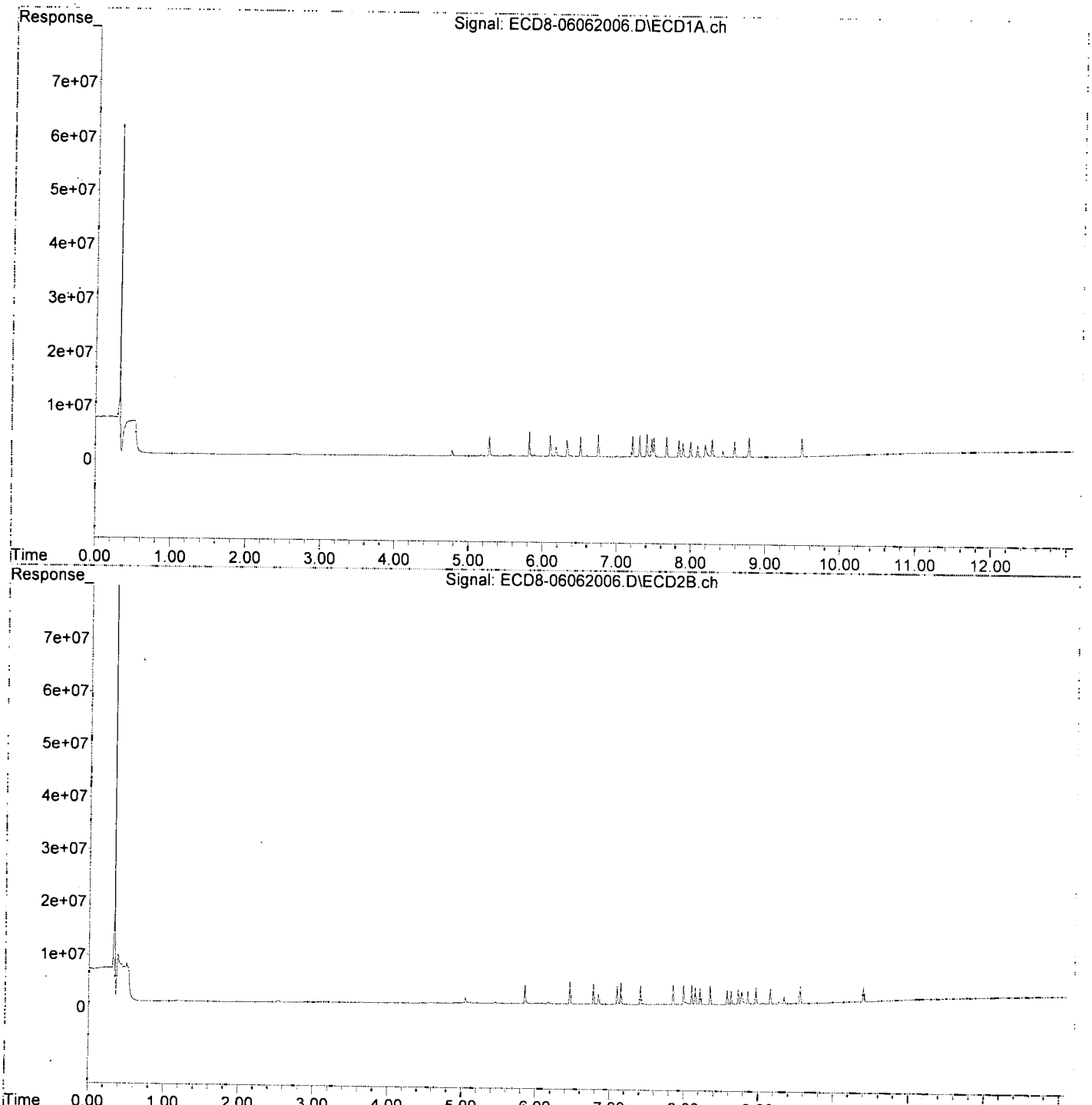
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.274	5.848	3739252	3664569	1.143	1.265
22) S	DCBP (S)	9.482	10.396	3476866	2732738	1.097	1.170
	Target Compounds						
2)	a-BHC	5.813	6.453	4659043	4299192	1.026	1.139
3)	g-BHC	6.095	6.772	4062836	3939884	1.023	1.061
4)	b-BHC	6.174	6.840	1828397	1906857	1.065	1.198
5)	Heptachlor	6.505	7.143	3783244	4131038	0.969	1.103
6)	d-BHC	6.322	7.093	3147880	3488504	1.022	1.188
7)	Aldrin	6.745	7.407	4211391	3671024	1.069	1.045
8)	Heptachlo...	7.207	7.847	3938014	3756308	1.106	1.182
9)	trans-Chl...	7.303	7.987	4057330	3714650	1.122	1.116
10)	cis-Chlor...	7.400	8.095	4334731	3732649	1.199	1.169
11)	Endosulfa...	7.496	8.144	3674308	3245203	1.103	1.078
12)	4,4'-DDE	7.466	8.208	3469480	3125539	1.075	1.134
13)	Dieldrin	7.667	8.345	3834504	3631612	1.050	1.099
14)	Endrin	7.832	8.572	3239569	2729745	1.256	1.341
15)	4,4'-DDD	7.887	8.625	2642114	2582156	1.107	1.116
16)	Endosulfa...	7.989	8.721	2878102	2841269	1.010	1.093
17)	4,4'-DDT	8.084	8.851	2125504	2507300	1.011	1.162
18)	Endrin Al...	8.280	8.959	3347299	3154587	1.074	1.132
19)	Endosulfa...	8.581	9.151	3004760	2906383	1.135	1.217
20)	Methoxychlor	8.426	9.335	1188720	1407906	1.111	1.226
21)	Endrin Ke...	8.774	9.551	3683963	3294560	1.073	1.166
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:07
Operator : MJB
Sample : 0F06008-CAL2
Misc : A20F081, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:33:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:24
Operator : MJB
Sample : 0F06008-CAL3
Misc : A20C178, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:33:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

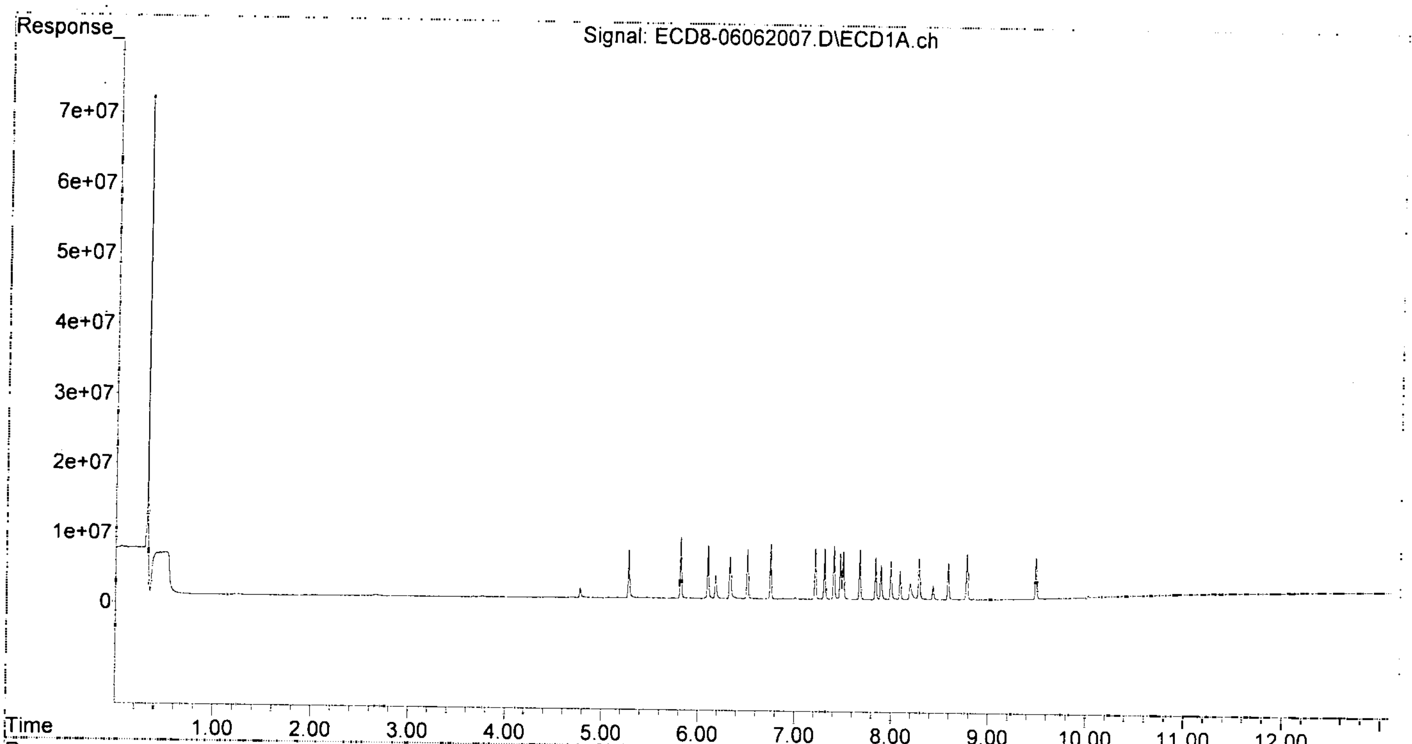
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.275	5.847	6945394	6272971	2.123	2.166
22)	S	DCBP (S)	9.484	10.396	6074784	4898047	2.086	2.337
		Target Compounds						
2)		a-BHC	5.813	6.454	8934865	8409840	1.968	2.188
3)		g-BHC	6.095	6.772	7777680	7617064	1.959	2.052
4)		b-BHC	6.174	6.840	3383841	3359896	1.971	2.111
5)		Heptachlor	6.505	7.142	7189639	7559963	1.841	2.019
6)		d-BHC	6.322	7.094	6132156	6804587	1.901	2.275
7)		Aldrin	6.744	7.407	8035771	7256390	2.040	2.066
8)		Heptachlo...	7.207	7.847	7385357	6966527	2.075	2.192
9)		trans-Chl...	7.303	7.987	7502150	6968284	2.075	2.094
10)		cis-Chlor...	7.401	8.095	7787006	6943307	2.154	2.174
11)		Endosulfa...	7.496	8.144	6975798	6290523	2.095	2.090
12)		4,4'-DDE	7.466	8.208	6724934	6040045	2.083	2.161
13)		Dieldrin	7.668	8.346	7333173	6890064	2.008	2.086
14)		Endrin	7.832	8.573	6205989	5322724	2.405	2.614
15)		4,4'-DDD	7.887	8.626	5043957	4789098	2.085	2.072
16)		Endosulfa...	7.989	8.722	5561746	5513918	1.952	2.120
17)		4,4'-DDT	8.084	8.851	4180058	4520922	1.961	2.136
18)		Endrin Al...	8.280	8.960	6075803	5717746	2.119	2.241
19)		Endosulfa...	8.582	9.151	5464489	5480703	2.064	2.295
20)		Methoxychlor	8.426	9.335	2083992	2395626	1.976	2.201
21)		Endrin Ke...	8.775	9.550	6682577	6009531	1.947	2.127
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

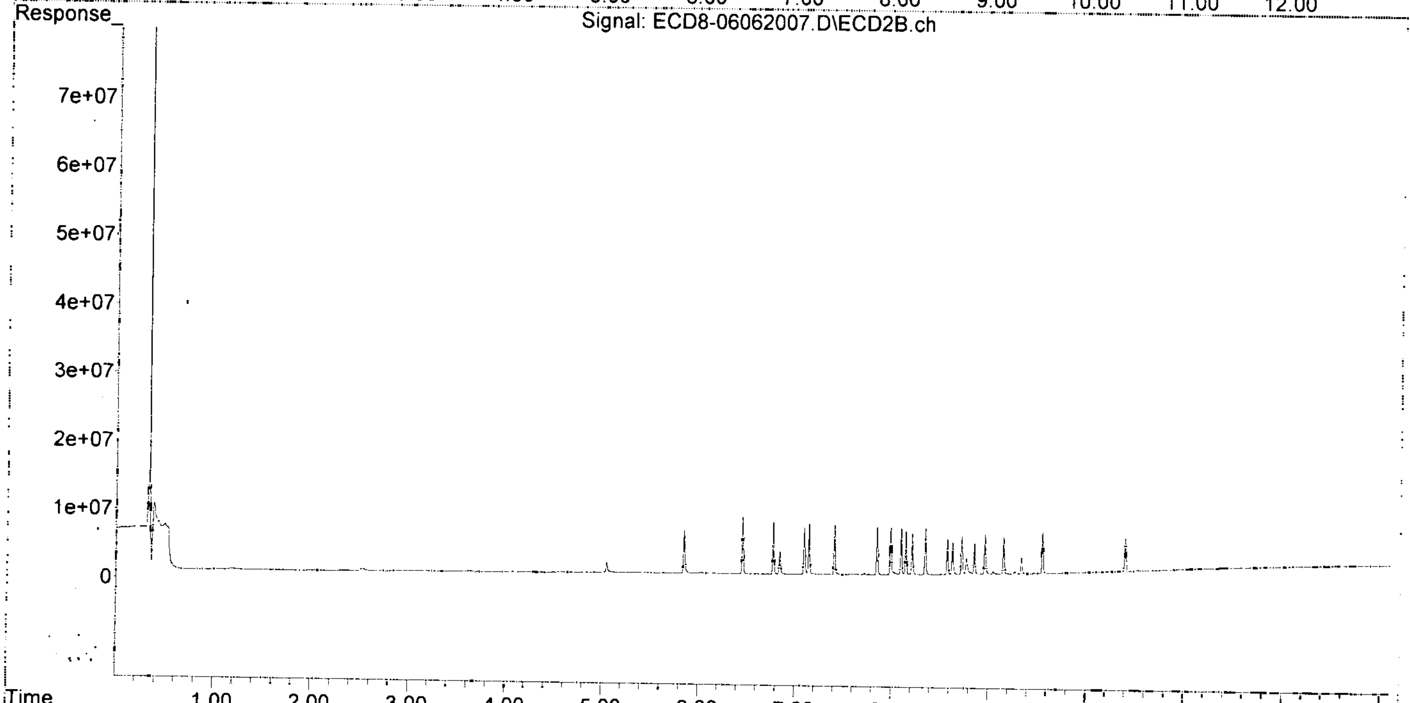
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:24
Operator : MJB
Sample : 0F06008-CAL3
Misc : A20C178, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:33:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:40
Operator : MJB
Sample : 0F06008-CAL4
Misc : A20C179, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:34:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

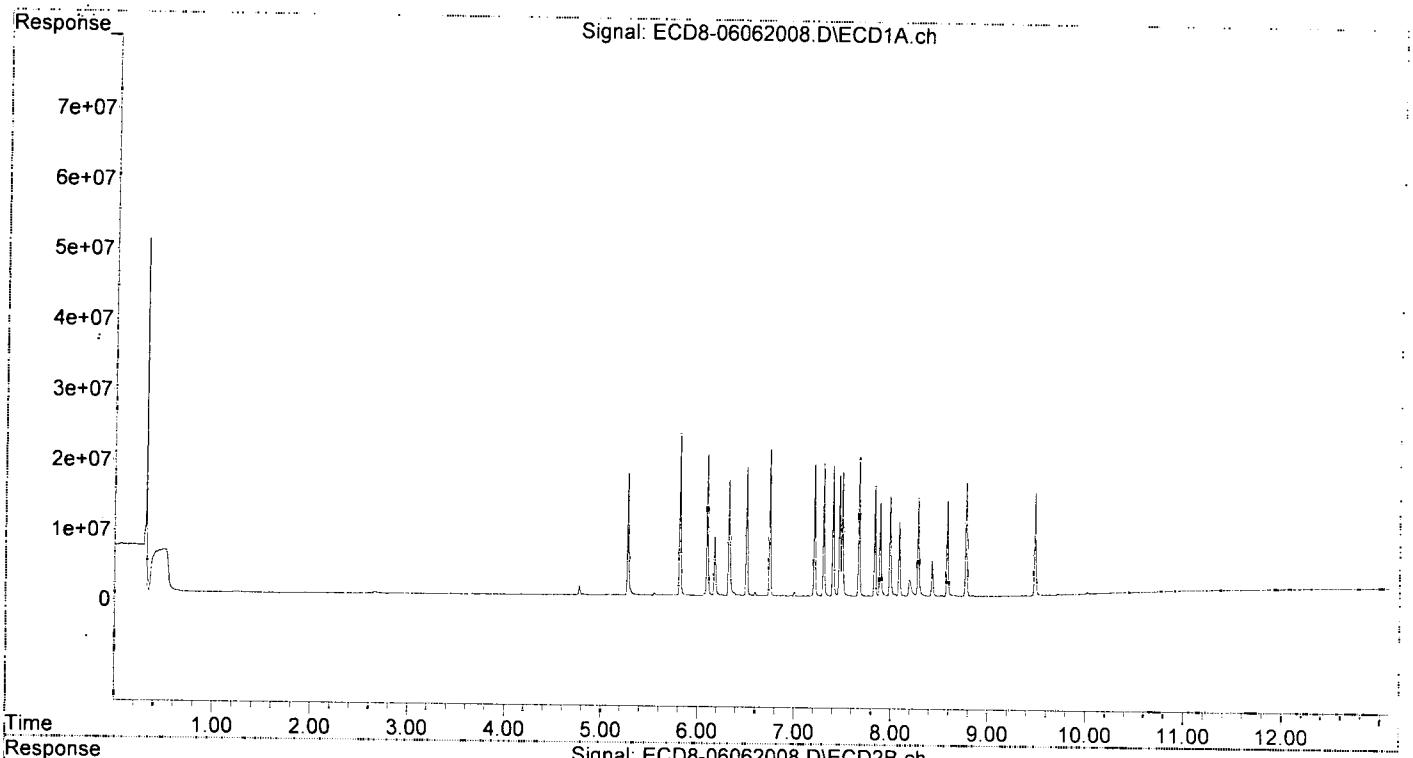
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.275	5.847	17495230	15921287	5.347	5.498
22) S	DCBP (S)	9.482	10.396	14798076	11787774	5.402	6.035
	Target Compounds						
2)	a-BHC	5.813	6.454	23225137	22206764	5.117	5.683
3)	g-BHC	6.096	6.772	20386349	19587830	5.134	5.276
4)	b-BHC	6.174	6.839	8436819	8320126	4.915	5.226
5)	Heptachlor	6.505	7.143	18362337	19197024	4.701	5.126
6)	d-BHC	6.322	7.093	16669350	18089354	4.992	5.931
7)	Aldrin	6.745	7.407	21091004	18962649	5.354	5.398
8)	Heptachlo...	7.207	7.847	18818515	17690437	5.286	5.567
9)	trans-Chl...	7.303	7.987	18917580	17725122	5.233	5.326
10)	cis-Chlor...	7.400	8.095	18629592	17001909	5.154	5.323
11)	Endosulfa...	7.496	8.143	17772028	15814187	5.337	5.254
12)	4,4'-DDE	7.466	8.208	17307228	16121059	5.360	5.684
13)	Dieldrin	7.668	8.345	19819324	17792473	5.427	5.386
14)	Endrin	7.832	8.572	15732638	13228080	6.098	6.456
15)	4,4'-DDD	7.887	8.625	13513169	12540904	5.510	5.402
16)	Endosulfa...	7.989	8.721	14310412	13915949	5.023	5.351
17)	4,4'-DDT	8.084	8.850	10621630	11640318	4.913	5.539
18)	Endrin Al...	8.280	8.960	14148113	12986736	5.208	5.371
19)	Endosulfa...	8.581	9.151	13776582	13495919	5.203	5.650
20)	Methoxychlor	8.425	9.335	5153462	5959726	4.922	5.683
21)	Endrin Ke...	8.774	9.551	16411692	15133071	4.781	5.357
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

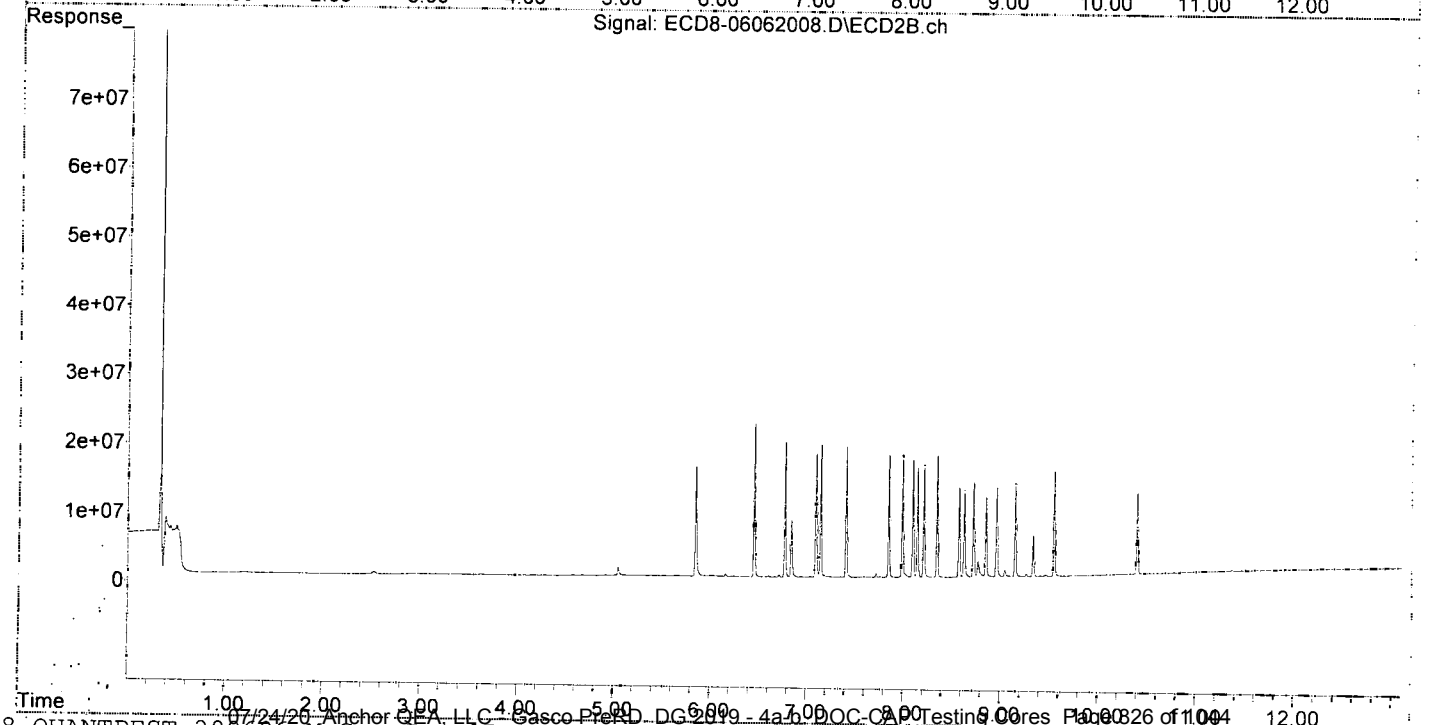
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:40
Operator : MJB
Sample : 0F06008-CAL4
Misc : A20C179, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:34:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:57
Operator : MJB
Sample : 0F06008-CAL5
Misc : A20C180, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:34:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

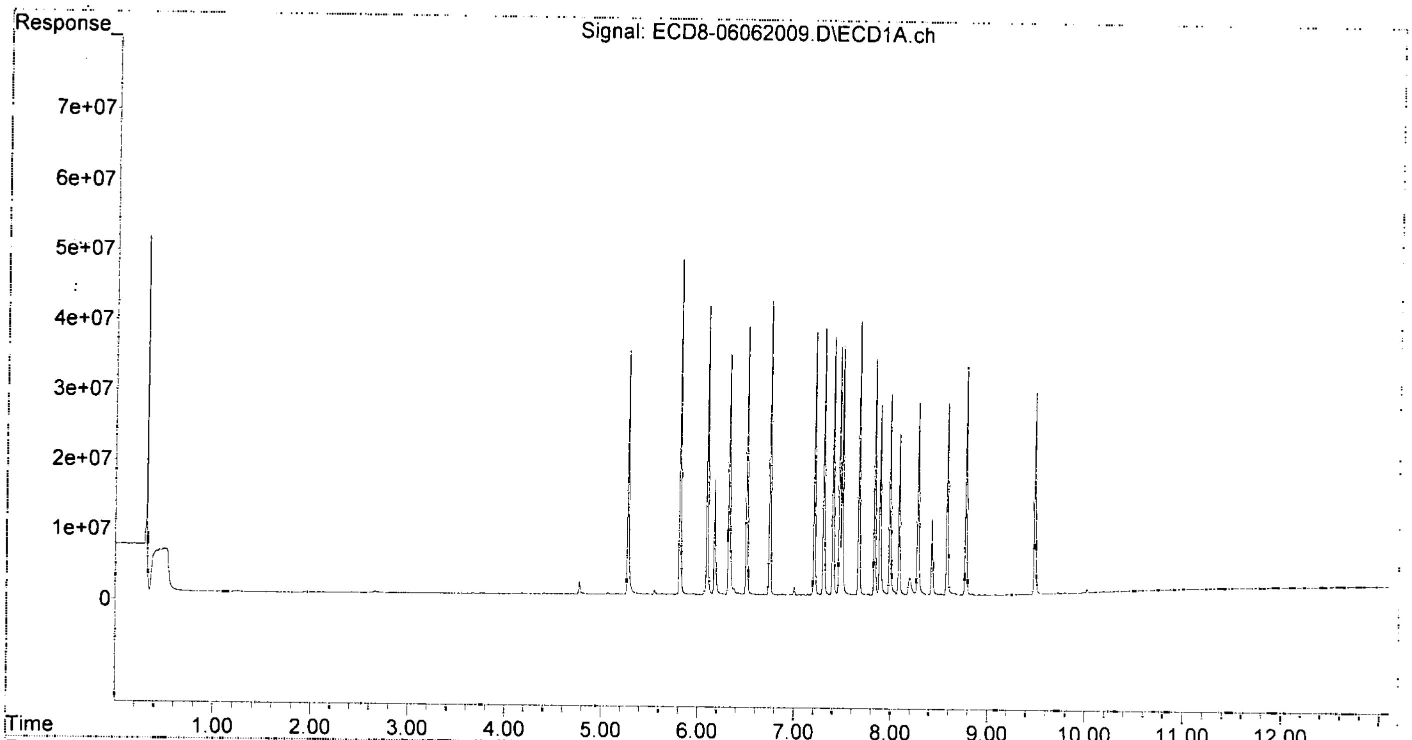
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.273	5.847	34986950	31872820	10.694	11.006
22)	S DCBP (S)	9.483	10.396	28954755	23132623	10.767	12.079
	Target Compounds						
2)	a-BHC	5.812	6.454	47943397	46280849	10.563	11.685
3)	g-BHC	6.094	6.771	41307256	41024069	10.403	11.050
4)	b-BHC	6.172	6.839	16563915	16779314	9.649	10.540
5)	Heptachlor	6.504	7.142	38643124	40579127	9.893	10.836
6)	d-BHC	6.320	7.092	34529136	36570640	10.179	11.790
7)	Aldrin	6.744	7.406	42114836	39449401	10.691	11.230
8)	Heptachlo...	7.205	7.847	37803310	36710294	10.619	11.552
9)	trans-Chl...	7.301	7.987	38218074	35657796	10.571	10.715
10)	cis-Chlor...	7.399	8.095	37114363	33781008	10.268	10.577
11)	Endosulfa...	7.494	8.144	35620792	31874483	10.698	10.589
12)	4,4'-DDE	7.465	8.207	35702721	33337311	11.058	11.599
13)	Dieldrin	7.667	8.345	39283290	36020428	10.756	10.904
14)	Endrin	7.831	8.573	33821953	28095797	13.109	13.519
15)	4,4'-DDD	7.886	8.625	27315515	26613943	11.020	11.338
16)	Endosulfa...	7.988	8.721	28895100	27768863	10.743	10.678
17)	4,4'-DDT	8.083	8.850	23173376	25308357	10.567	11.906
18)	Endrin Al...	8.278	8.960	27677178	25800518	10.374	10.841
19)	Endosulfa...	8.581	9.151	27569100	26486998	10.411	11.089
20)	Methoxychlor	8.425	9.335	11113724	12796383	10.553	12.222
21)	Endrin Ke...	8.774	9.550	32756813	30298317	9.543	10.725
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

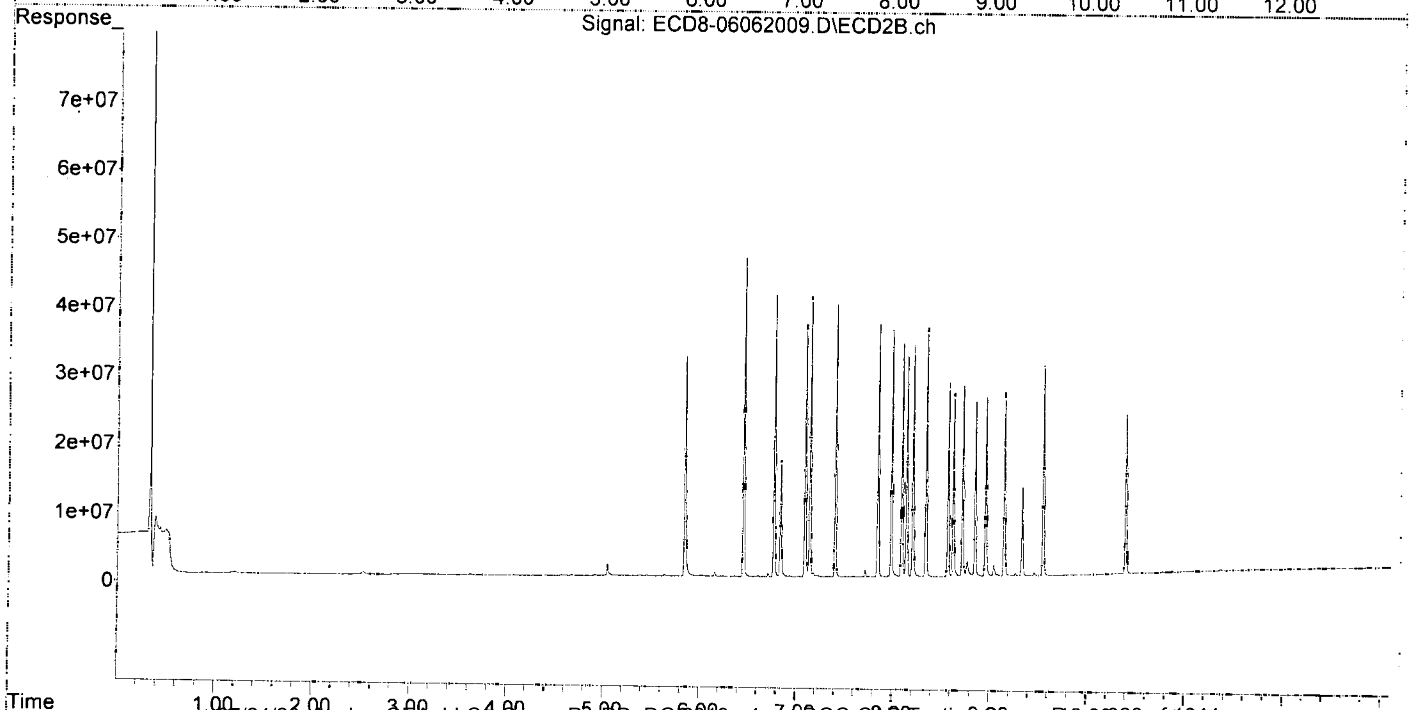
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 16:57
Operator : MJB
Sample : 0F06008-CAL5
Misc : A20C180, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:34:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:13
Operator : MJB
Sample : 0F06008-CAL6
Misc : A20C181, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:35:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

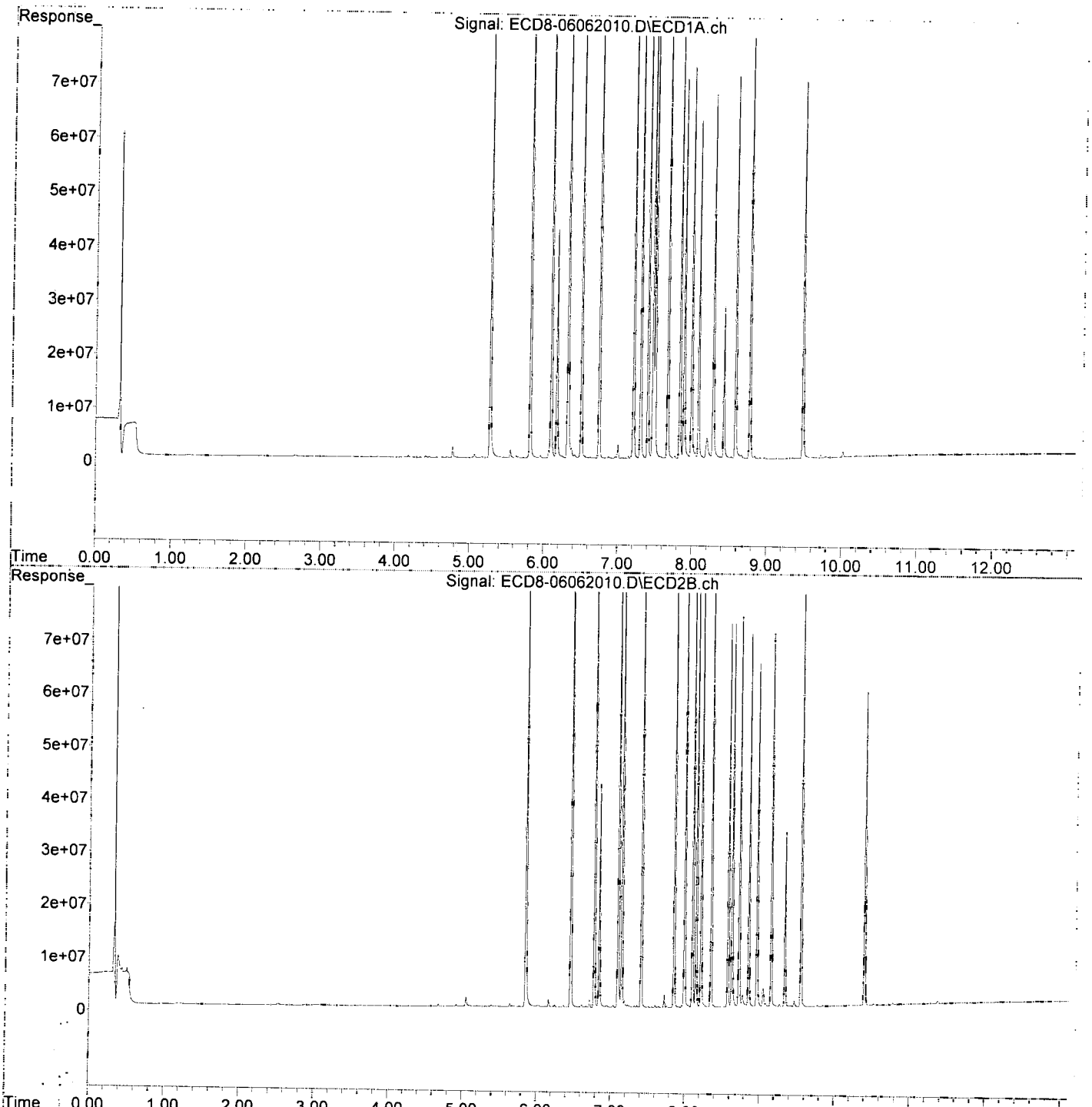
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.274	5.847	86728691	82784505	26.509	28.586
22)	S DCBP (S)	9.482	10.396	70043801	58938146	26.222	30.782
	Target Compounds						
2)	a-BHC	5.812	6.453	118.8E6	118.0E6	26.175	28.906
3)	g-BHC	6.095	6.772	105.7E6	106.2E6	26.627	28.610
4)	b-BHC	6.171	6.838	42663935	42039469	24.853	26.407
5)	Heptachlor	6.504	7.143	97787402	102.6E6	25.034	27.396
6)	d-BHC	6.320	7.092	90721611	100.1E6	26.102	30.851
7)	Aldrin	6.744	7.406	106.4E6	99740544	27.000	28.393
8)	Heptachlo...	7.206	7.846	94866469	89270067	26.648	28.092
9)	trans-Chl...	7.301	7.987	95188146	91015607	26.329	27.350
10)	cis-Chlor...	7.399	8.095	93309929	90296816	25.816	28.272
11)	Endosulfa...	7.494	8.143	87969882	81264393	26.419	26.997
12)	4,4'-DDE	7.465	8.208	90527851	90779828	28.038	30.504
13)	Dieldrin	7.667	8.344	99483227	94470967	27.238	28.599
14)	Endrin	7.831	8.572	82617925	72122642	32.022	33.352
15)	4,4'-DDD	7.885	8.624	70679640	72175489	27.795	29.685
16)	Endosulfa...	7.988	8.721	72814315	73370058	25.559	28.214
17)	4,4'-DDT	8.083	8.850	62939123	70221935	27.692	31.500
18)	Endrin Al...	8.278	8.959	67705447	64639443	25.580	27.060
19)	Endosulfa...	8.580	9.150	71152760	70280072	26.870	29.424
20)	Methoxychlor	8.424	9.334	28329088	32821247	26.207	30.427
21)	Endrin Ke...	8.773	9.550	84645957	80676406	24.661	28.557
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:13
Operator : MJB
Sample : 0F06008-CAL6
Misc : A20C181, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:35:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:30
Operator : MJB
Sample : 0F06008-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:31:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Apr 27 12:27:02 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

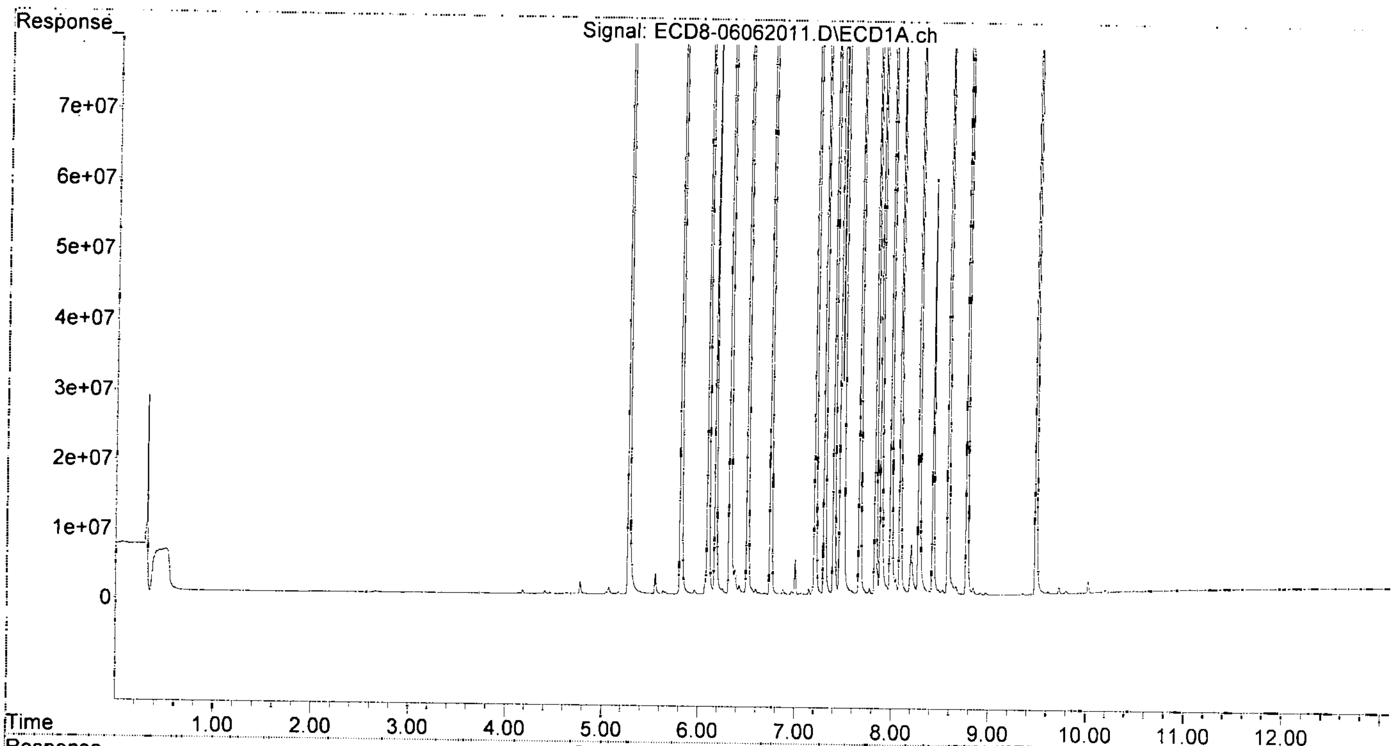
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.274	5.847	179.1E6	178.8E6	54.728	61.751
22)	S DCBP (S)	9.482	10.396	146.9E6	121.1E6	54.668	62.055
	Target Compounds						
2)	a-BHC	5.813	6.453	253.8E6	253.2E6	55.914	59.123
3)	g-BHC	6.094	6.772	222.2E6	227.5E6	55.964	61.287
4)	b-BHC	6.171	6.838	90211863	89925013	52.551	56.487
5)	Heptachlor	6.504	7.142	200.0E6	217.2E6	51.195	58.001
6)	d-BHC	6.320	7.091	198.0E6	211.1E6	55.016	61.015
7)	Aldrin	6.745	7.406	219.6E6	206.0E6	55.740	58.634
8)	Heptachlo...	7.205	7.847	195.2E6	188.5E6	54.834	59.307
9)	trans-Chl...	7.301	7.987	200.8E6	191.9E6	55.536	57.670
10)	cis-Chlor...	7.398	8.095	194.6E6	190.0E6	53.827	59.481
11)	Endosulfa...	7.494	8.144	186.3E6	171.9E6	55.943	57.106
12)	4,4'-DDE	7.464	8.207	190.2E6	190.9E6	58.899	60.905
13)	Dieldrin	7.666	8.344	210.5E6	202.6E6	57.640	61.334
14)	Endrin	7.831	8.571	171.9E6	153.4E6	66.630	66.569
15)	4,4'-DDD	7.885	8.623	151.0E6	156.1E6	56.981	60.641
16)	Endosulfa...	7.987	8.720	154.5E6	157.0E6	54.245	60.360
17)	4,4'-DDT	8.084	8.850	133.3E6	147.5E6	55.565	61.561
18)	Endrin Al...	8.278	8.959	138.4E6	140.1E6	52.174	57.172
19)	Endosulfa...	8.580	9.150	148.4E6	154.0E6	56.047	64.486
20)	Methoxychlor	8.424	9.334	59424282	66949924	52.536	58.812
21)	Endrin Ke...	8.774	9.549	175.3E6	173.0E6	51.080	61.238
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

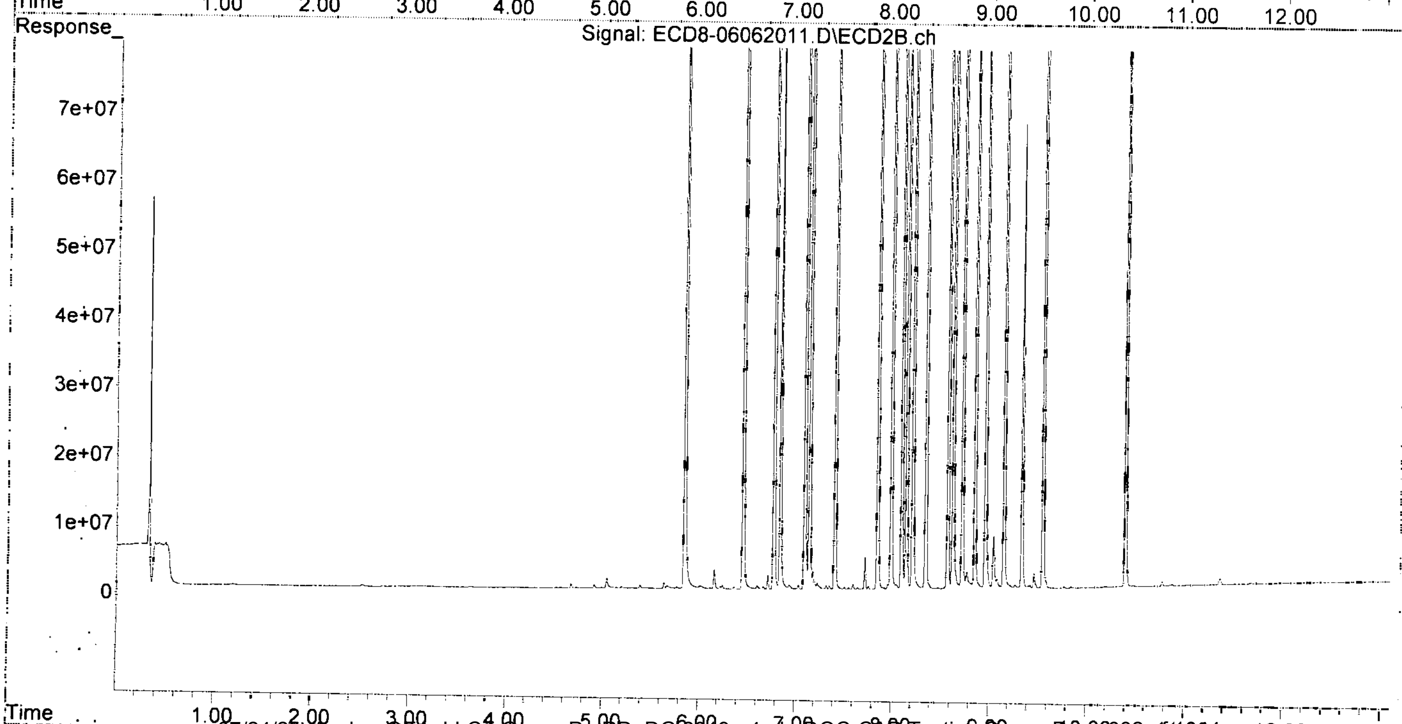
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:30
Operator : MJB
Sample : 0F06008-CAL7
Misc : A20E232, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:31:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Apr 27 12:27:02 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:46
Operator : MJB
Sample : 0F06008-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:35:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

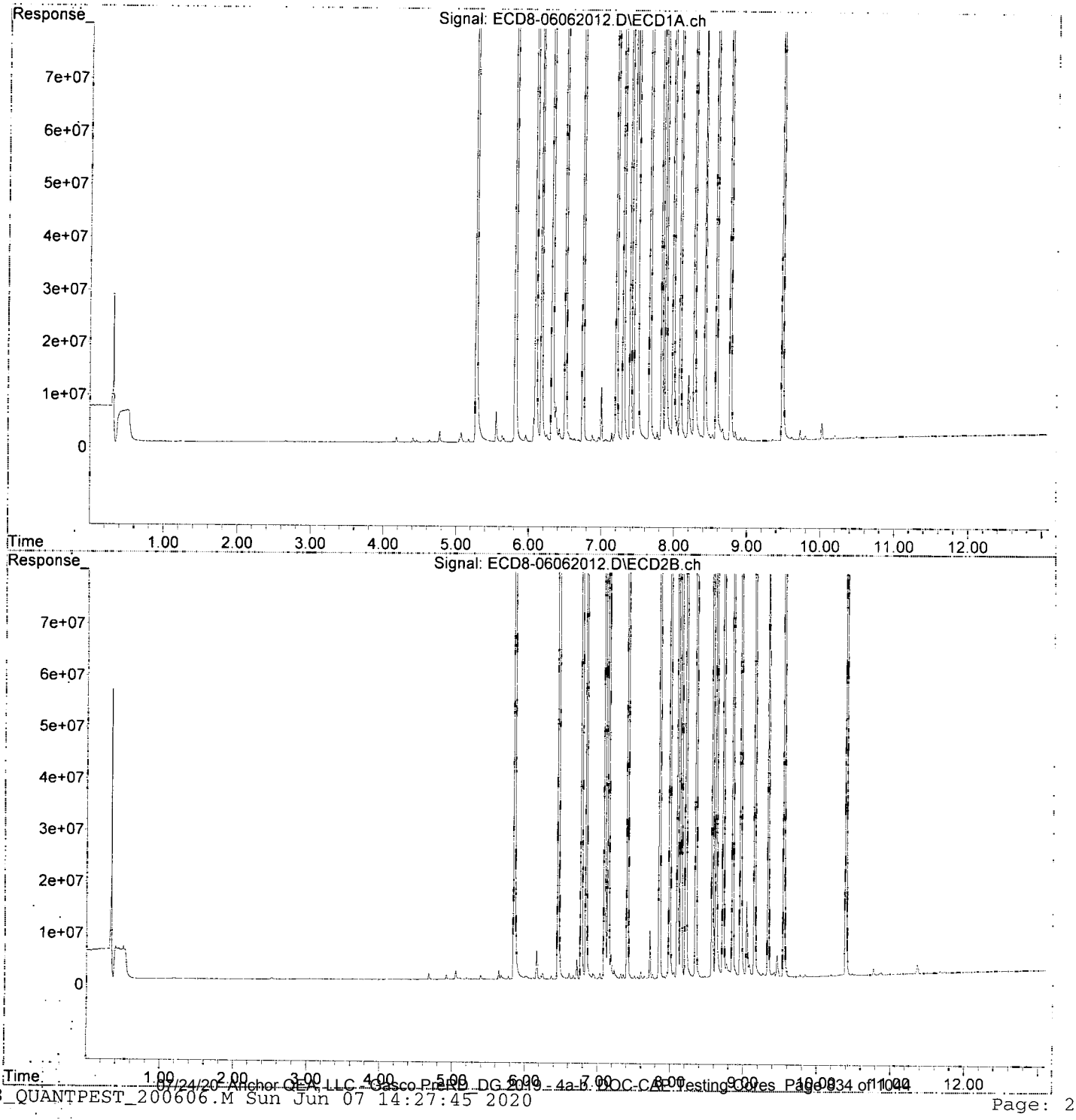
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.275	5.847	372.2E6	385.6E6	113.770	133.140
22)	S DCBP (S)	9.482	10.397	292.0E6	256.3E6	106.930	125.481
	Target Compounds						
2)	a-BHC	5.814	6.454	531.7E6	535.6E6	117.135	115.146
3)	g-BHC	6.096	6.772	457.3E6	465.9E6	115.165	125.501
4)	b-BHC	6.172	6.838	189.2E6	193.1E6	110.195	121.293
5)	Heptachlor	6.505	7.143	430.5E6	467.5E6	110.200	124.844
6)	d-BHC	6.320	7.092	425.1E6	466.4E6	110.980	120.172
7)	Aldrin	6.745	7.407	454.2E6	437.5E6	115.292	124.536
8)	Heptachlo...	7.206	7.846	413.9E6	398.3E6	116.256	125.346
9)	trans-Chl...	7.301	7.986	409.5E6	411.4E6	113.255	123.629
10)	cis-Chlor...	7.399	8.095	396.9E6	389.0E6	109.806	121.799
11)	Endosulfa...	7.495	8.143	377.7E6	370.0E6	113.438	122.928
12)	4,4'-DDE	7.464	8.207	393.5E6	405.4E6	121.869	118.191
13)	Dieldrin	7.667	8.345	427.9E6	434.4E6	117.171	131.511
14)	Endrin	7.831	8.572	362.8E6	327.3E6	140.611	127.582
15)	4,4'-DDD	7.885	8.623	315.6E6	334.5E6	110.979	117.793
16)	Endosulfa...	7.987	8.720	325.6E6	322.9E6	114.273	124.189
17)	4,4'-DDT	8.083	8.850	278.3E6	324.1E6	106.022	119.253
18)	Endrin Al...	8.278	8.959	289.5E6	298.8E6	107.834	115.575
19)	Endosulfa...	8.580	9.150	312.2E6	326.0E6	117.895	136.505
20)	Methoxychlor	8.424	9.334	129.7E6	142.9E6	105.219	113.660
21)	Endrin Ke...	8.773	9.550	365.0E6	360.5E6	106.332	127.595
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 17:46
Operator : MJB
Sample : 0F06008-CAL8
Misc : A20E233, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:35:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:03
Operator : MJB
Sample : 0F06008-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:36:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

AW 6/17/20

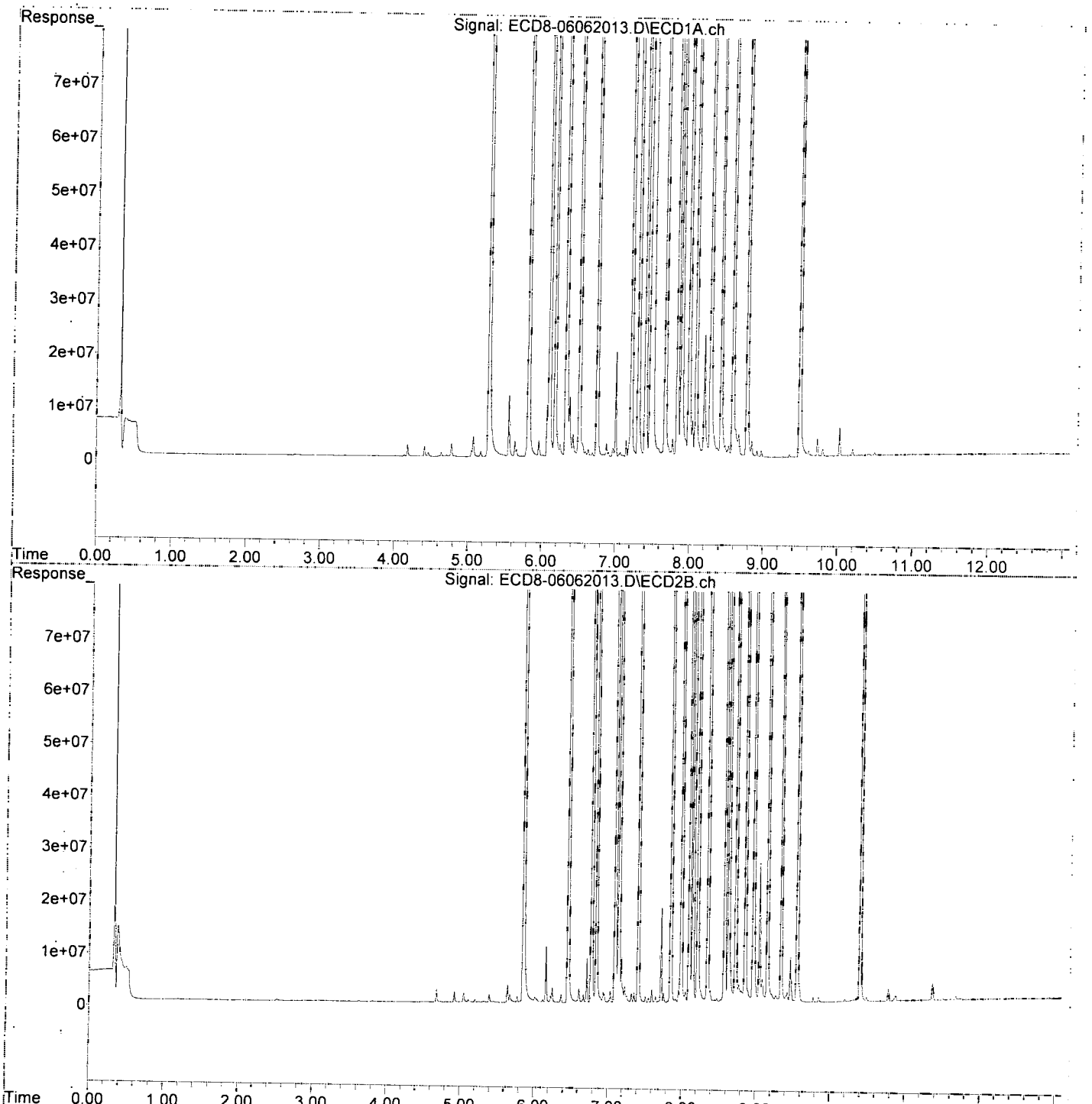
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.276	5.847	750.6E6	790.4E6	229.427	272.944
22)	S DCBP (S)	9.482	10.396	583.9E6	527.3E6	206.884	238.550
	Target Compounds						
2)	a-BHC	5.814	6.454	1055.1E6	1129.6E6	232.465	213.297
3)	g-BHC	6.096	6.772	919.0E6	982.3E6	231.446	264.598
4)	b-BHC	6.172	6.837	380.4E6	394.6E6	221.613	247.845
5)	Heptachlor	6.506	7.142	854.7E6	925.9E6	218.808	247.244
6)	d-BHC	6.320	7.091	885.2E6	954.6E6	209.197	210.908
7)	Aldrin	6.745	7.407	905.5E6	904.7E6	229.862	257.540
8)	Heptachlo...	7.206	7.846	814.0E6	810.0E6	228.665	254.900
9)	trans-Chl...	7.301	7.986	845.2E6	837.5E6	233.784	251.663
10)	cis-Chlor...	7.399	8.095	811.7E6	786.7E6	224.563	246.318
11)	Endosulfa...	7.494	8.143	761.6E6	752.5E6	228.733	249.970
12)	4,4'-DDE	7.464	8.207	820.0E6	861.3E6	253.951	218.222
13)	Dieldrin	7.667	8.345	857.8E6	881.0E6	234.863	266.696
14)	Endrin	7.831	8.572	733.8E6	689.1E6	284.410	229.533
15)	4,4'-DDD	7.884	8.623	664.2E6	703.1E6	207.965	213.966
16)	Endosulfa...	7.987	8.720	667.0E6	704.5E6	234.137	270.913
17)	4,4'-DDT	8.083	8.850	585.1E6	671.6E6	193.844	208.673
18)	Endrin Al...	8.278	8.959	590.1E6	607.2E6	214.433	215.153
19)	Endosulfa...	8.580	9.151	621.9E6	671.0E6	234.852	280.908
20)	Methoxychlor	8.423	9.334	270.4E6	319.1E6	192.858	215.490
21)	Endrin Ke...	8.774	9.550	749.3E6	748.5E6	218.312	264.954
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:03
Operator : MJB
Sample : 0F06008-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:36:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:38:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

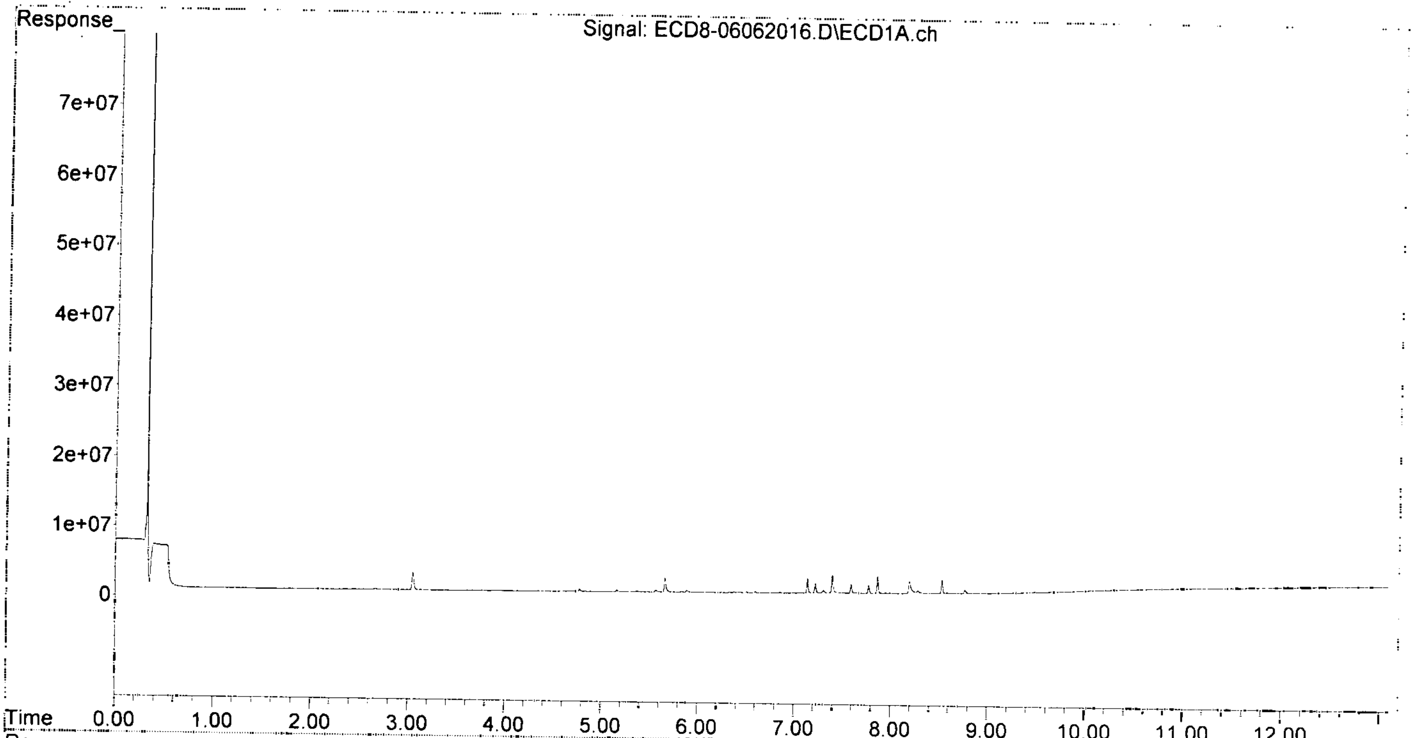
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	3.047	3.534	2512894	2831116	0.511	0.550
24)		Hexachlor...	5.657	6.315	2070033	1957618	0.488	0.546
25)		Oxychlordane	7.135	7.775	2124726	2077896	0.528	0.544
26)		2,4'-DDE	7.216	7.985	1450647	1594318	0.668	0.661
27)		trans-Non...	7.392	8.050	2706753	2454721	0.637	0.612
28)		2,4'-DDD	7.587	8.359	1283450	1185591	0.665	0.480 #
29)		2,4'-DDT	7.769	8.582	1217591	1241303	0.655	0.627
30)		cis-Nonac...	7.861	8.618	2497038	2343379	0.542	0.515
31)		Mirex	8.527	9.536	1951891	1704303	0.553	0.455
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

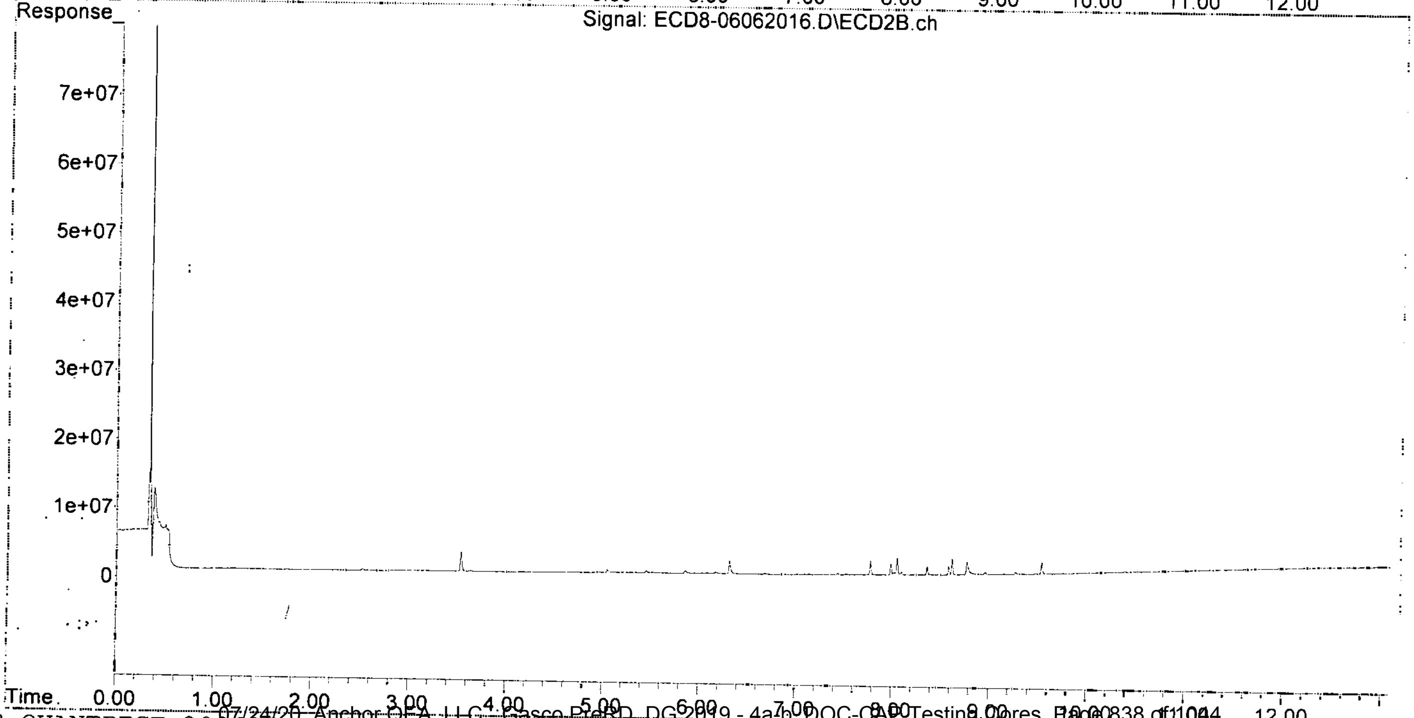
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 18:52
Operator : MJB
Sample : 0F06008-CALA
Misc : A20F082, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:38:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:09
Operator : MJB
Sample : 0F06008-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:39:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

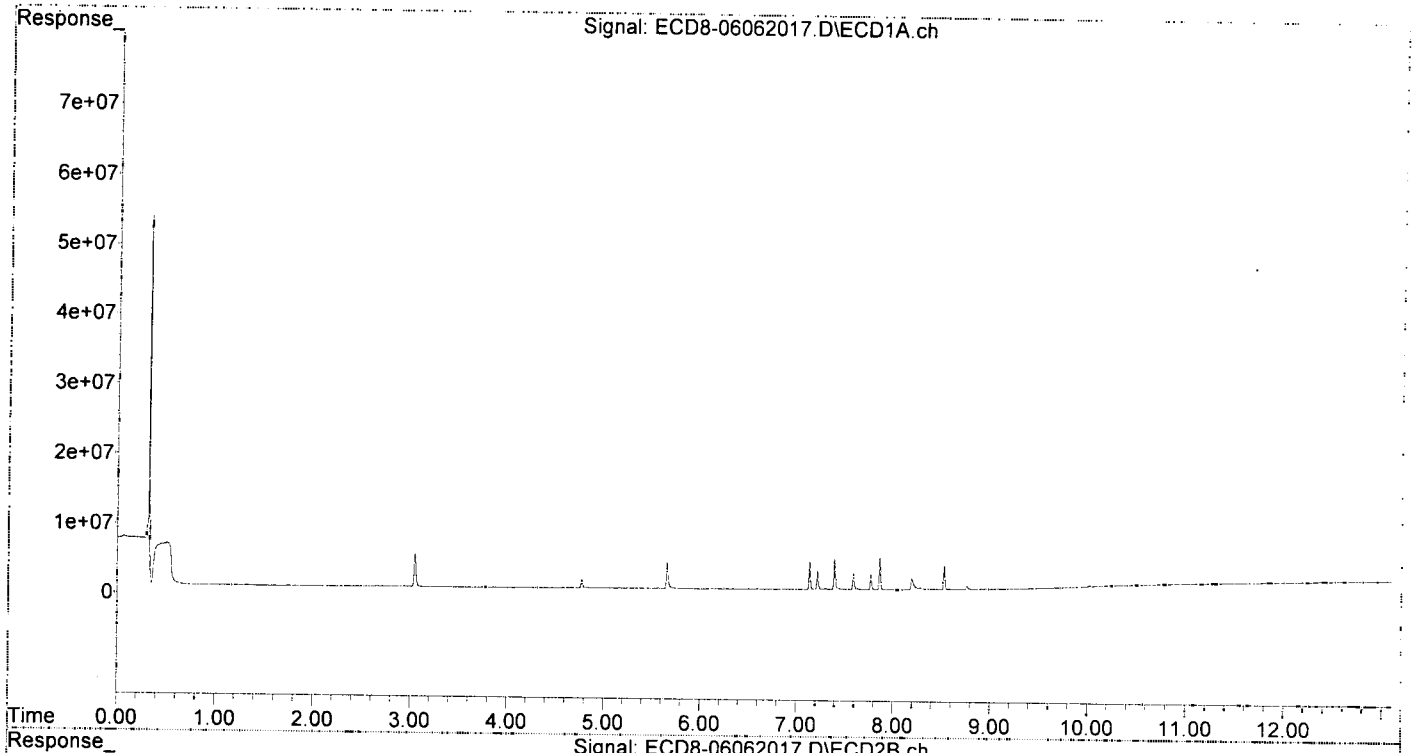
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.047	3.534	4817265	5390738	1.171	1.233
24)	Hexachlor...	5.657	6.315	3808389	3490476	1.073	1.158
25)	Oxychlordane	7.135	7.775	4069036	3679856	1.213	1.185
26)	2,4'-DDE	7.216	7.985	2683204	2644092	1.236	1.229
27)	trans-Non...	7.393	8.050	4424272	4150088	1.168	1.197
28)	2,4'-DDD	7.588	8.360	2380316	2357973	1.233	1.195
29)	2,4'-DDT	7.770	8.582	2237919	2243898	1.203	1.252
30)	cis-Nonac...	7.862	8.617	4619495	4362479	1.153	1.183
31)	Mirex	8.527	9.536	3450319	3067448	1.219	1.147
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

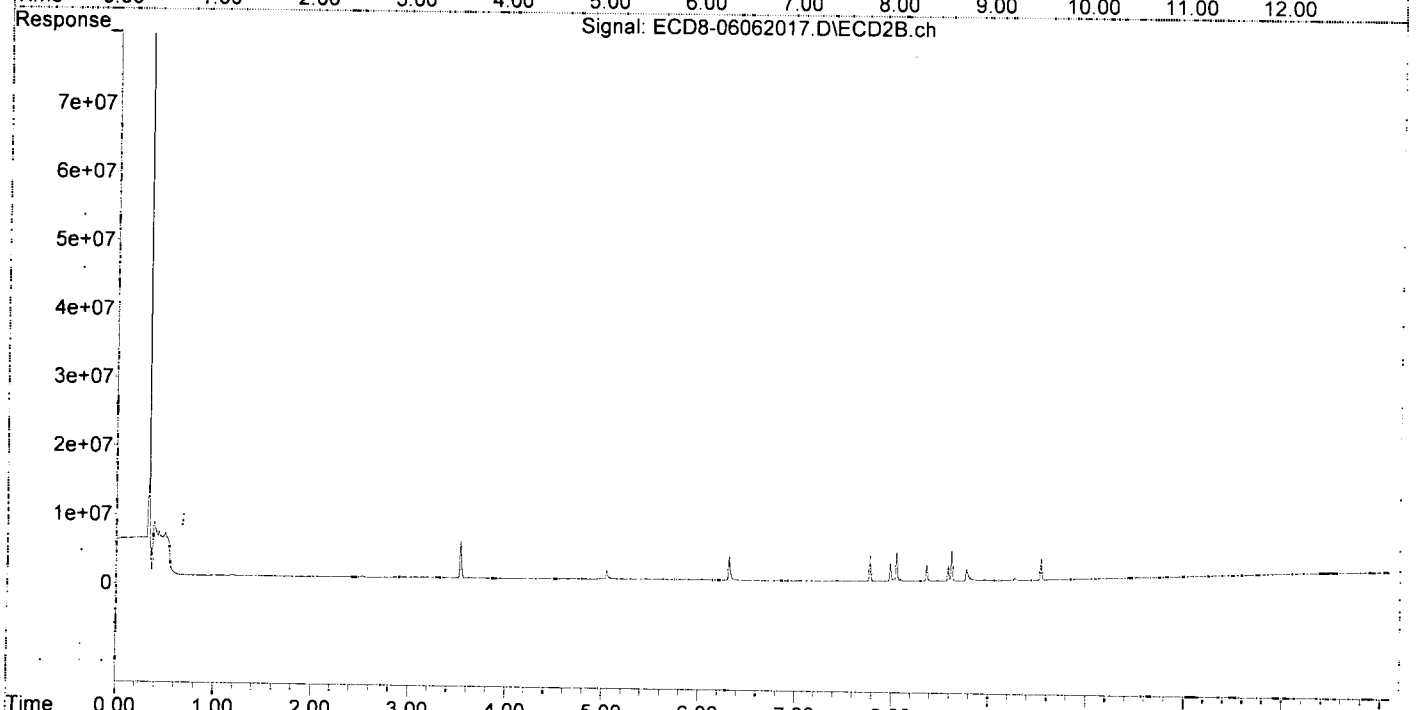
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:09
Operator : MJB
Sample : 0F06008-CALB
Misc : A20C353, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:39:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:25
Operator : MJB
Sample : 0F06008-CALC
Misc : A20C354, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:39:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

	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...	3.048	3.534	8189944	9258660	2.137	2.265
24)	Hexachlor...	5.657	6.315	6674738	6013960	2.037	2.164
25)	Oxychlordane	7.135	7.775	6851909	6318570	2.193	2.238
26)	2,4'-DDE	7.216	7.986	4589279	4364012	2.115	2.158
27)	trans-Non...	7.392	8.050	7594996	7278851	2.146	2.275
28)	2,4'-DDD	7.589	8.359	3914792	4019825	2.028	2.205
29)	2,4'-DDT	7.770	8.582	3679380	3684050	1.978	2.147
30)	cis-Nonac...	7.862	8.617	8069719	7556685	2.144	2.238
31)	Mirex	8.527	9.536	5603738	5247610	2.176	2.252
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062018.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  6 Jun 2020  19:25
Operator  : MJB
Sample    : 0F06008-CALC
Misc      : A20C354, 9-42 2 ppb
ALS Vial  : 16   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:39:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title  : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation
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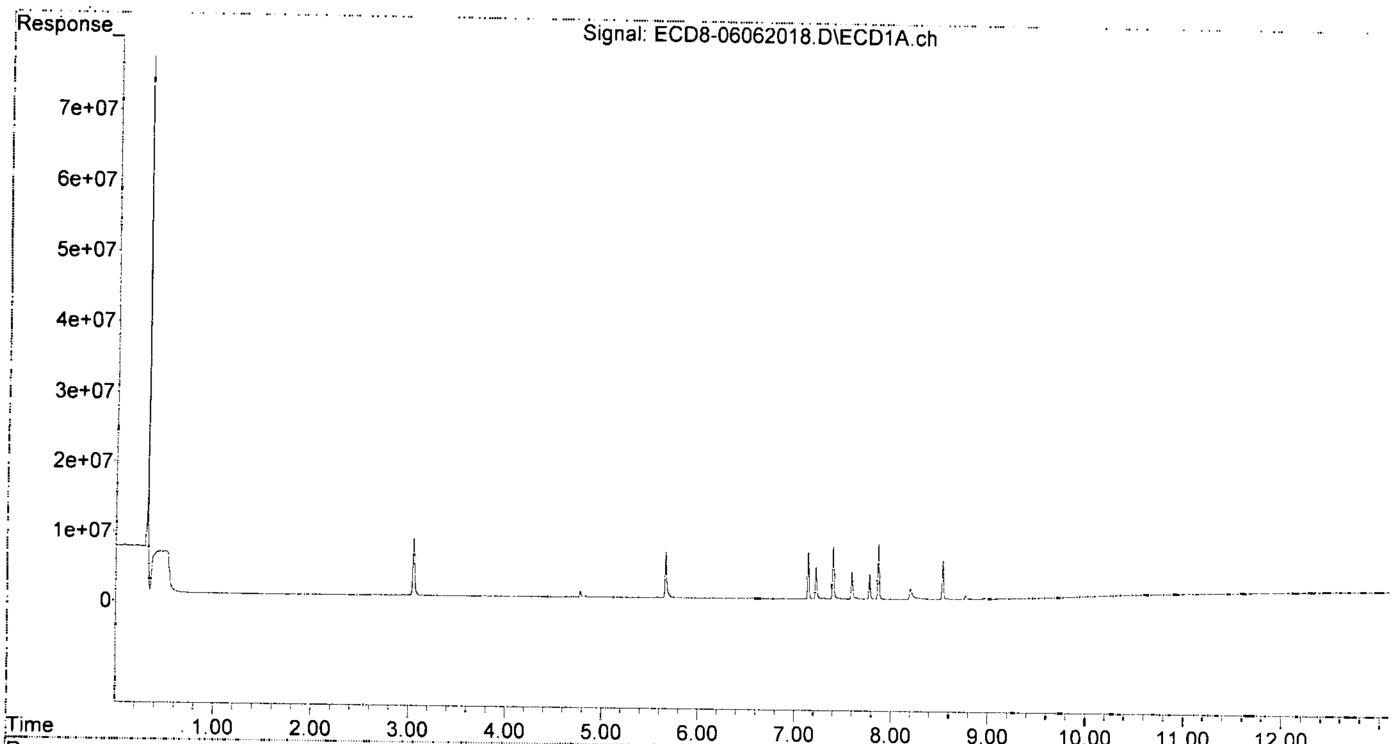
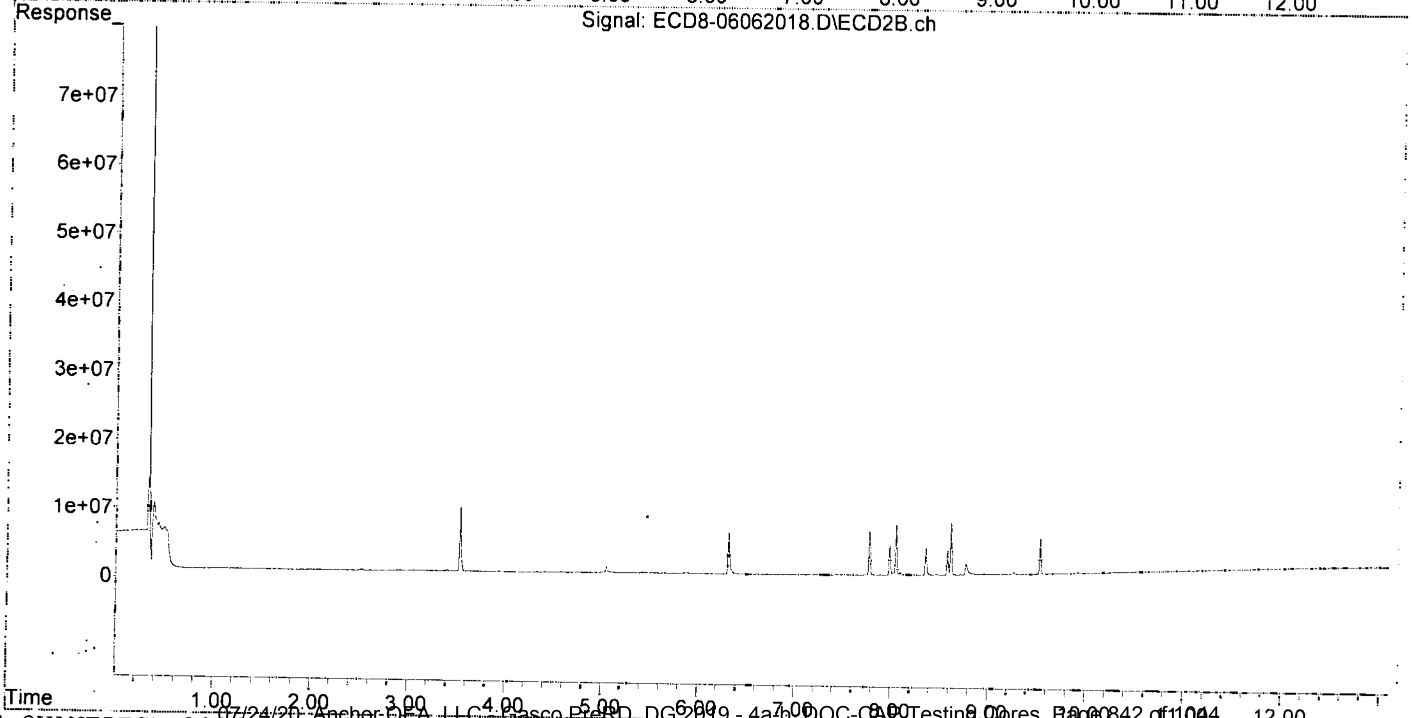




Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:42
Operator : MJB
Sample : 0F06008-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:40:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

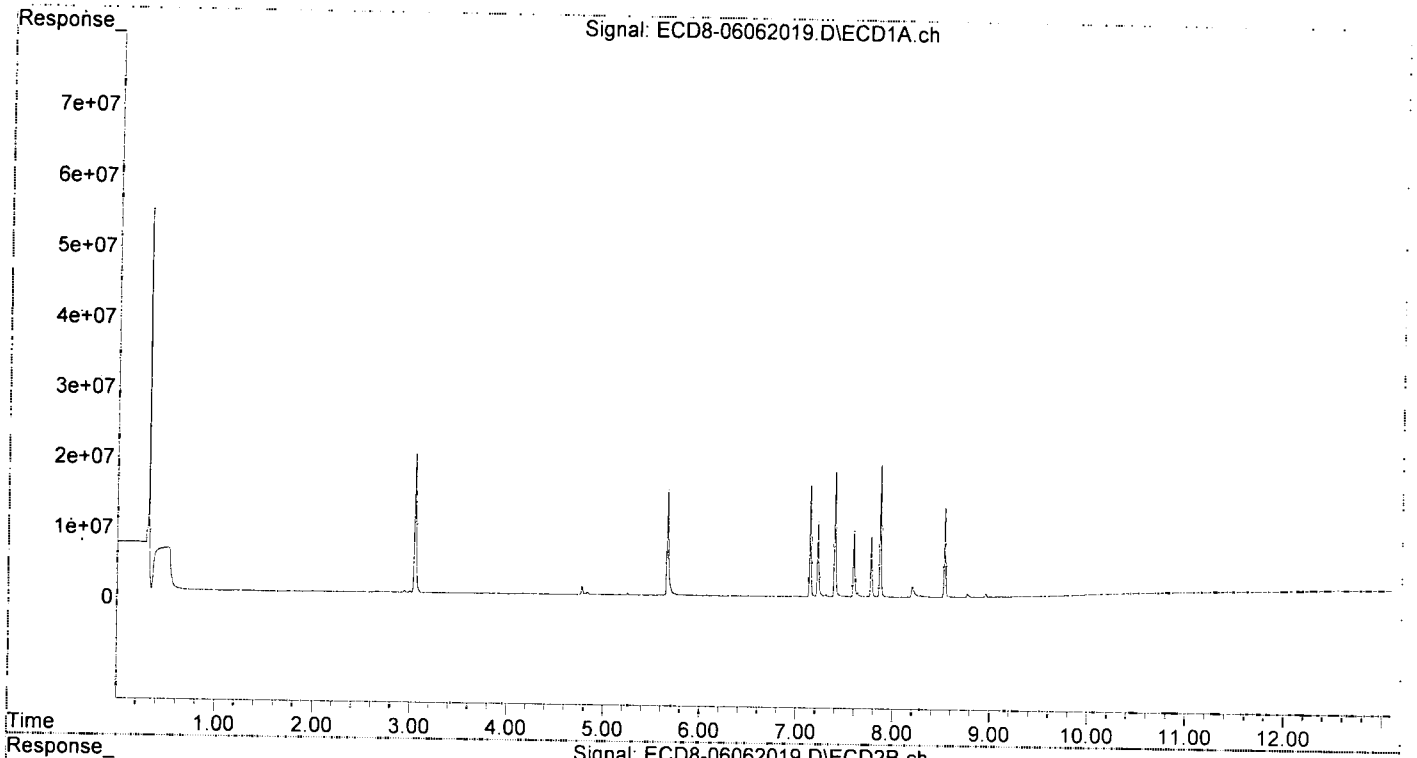
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.047	3.534	19829693	22664682	5.469	5.828
24)	Hexachlor...	5.657	6.314	15146184	13589298	4.882	5.164
25)	Oxychlordane	7.135	7.775	15911628	14761477	5.379	5.597
26)	2,4'-DDE	7.216	7.984	10644145	10681498	4.905	5.553
27)	trans-Non...	7.392	8.050	17817126	16374211	5.294	5.396
28)	2,4'-DDD	7.588	8.359	9382730	9138537	4.861	5.301
29)	2,4'-DDT	7.769	8.581	8777458	8951762	4.719	5.397
30)	cis-Nonac...	7.862	8.617	18915433	17752573	5.256	5.581
31)	Mirex	8.527	9.536	12781446	11563627	5.362	5.447
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

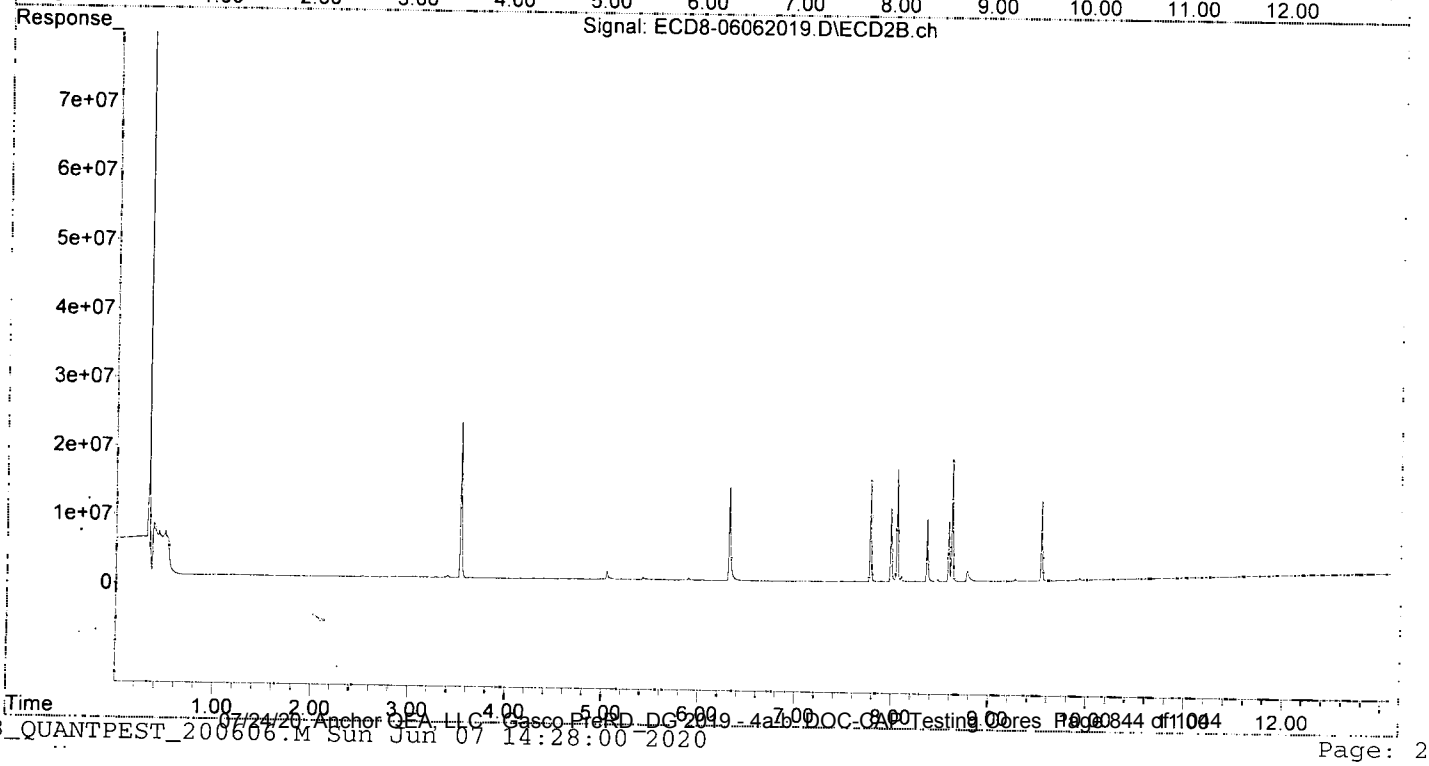
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:42
Operator : MJB
Sample : 0F06008-CALD
Misc : A20C355, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:40:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:58
Operator : MJB
Sample : 0F06008-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:40:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MK 6/7/20

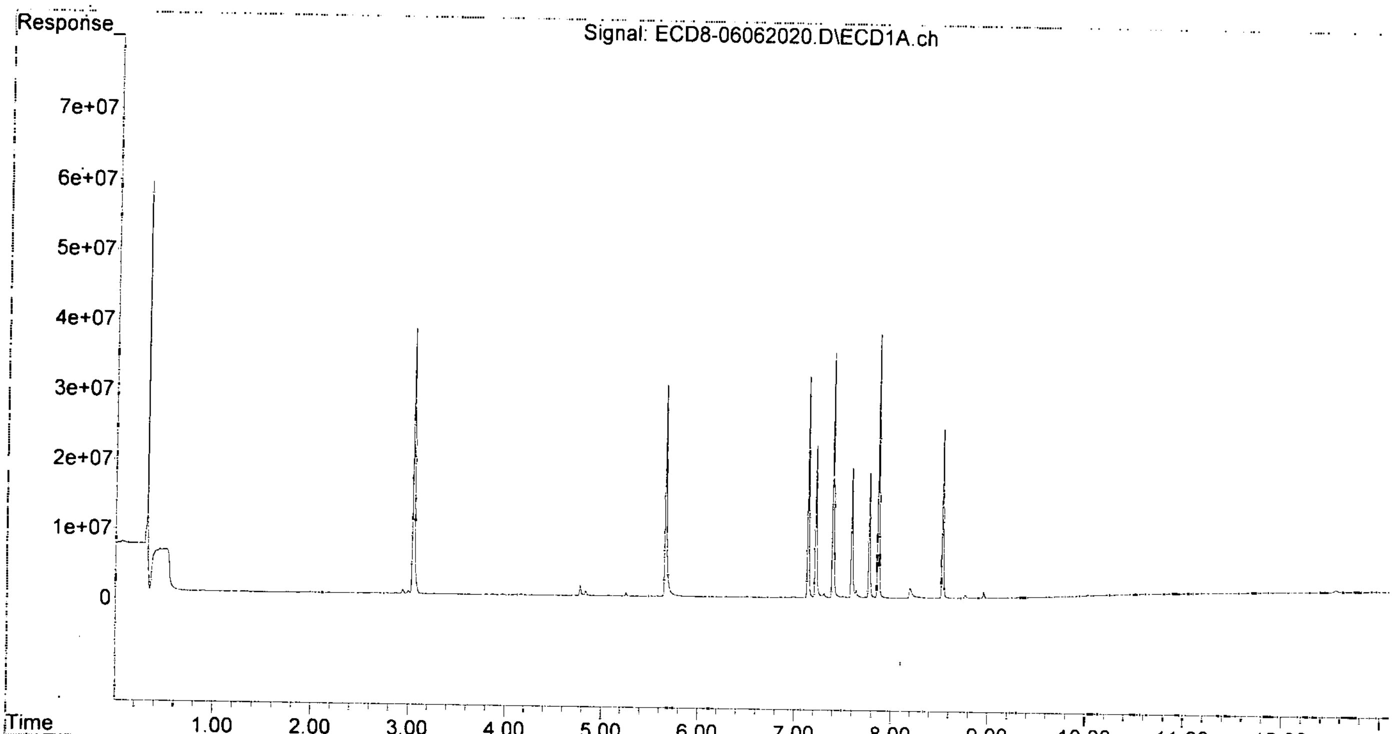
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.047	3.534	38036984	43322437	10.676	11.284
24)	Hexachlor...	5.656	6.314	30381416	27742495	9.979	10.697
25)	Oxychlordane	7.134	7.775	31811761	29171276	10.950	11.288
26)	2,4'-DDE	7.215	7.984	22083596	21303568	10.176	11.205
27)	trans-Non...	7.392	8.049	35211712	33268899	10.626	11.139
28)	2,4'-DDD	7.587	8.358	18731913	18319171	9.704	10.793
29)	2,4'-DDT	7.769	8.582	18035412	18833586	9.697	11.391
30)	cis-Nonac...	7.862	8.617	37945033	37094585	10.697	11.834
31)	Mirex	8.527	9.536	24415174	22120715	10.513	10.764
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

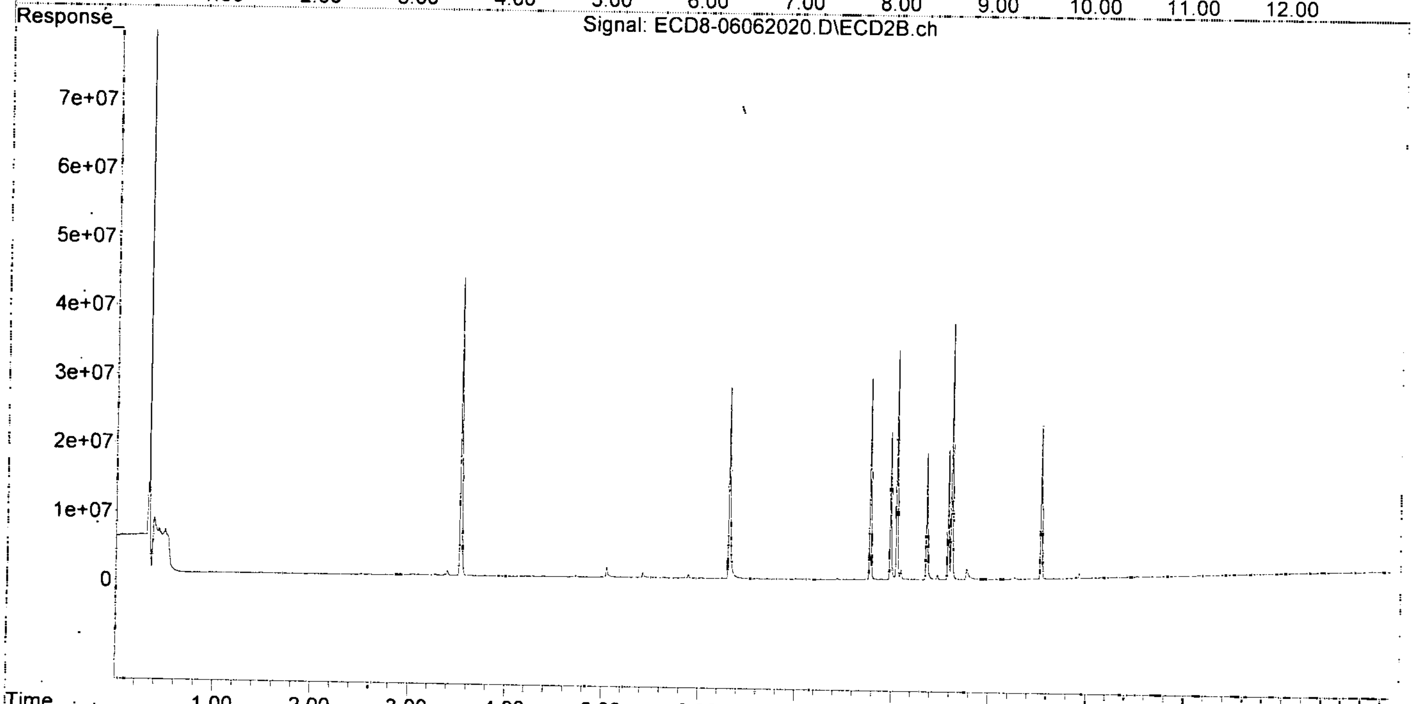
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 19:58
Operator : MJB
Sample : 0F06008-CALE
Misc : A20C356, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:40:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:15
Operator : MJB
Sample : 0F06008-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:41:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MWB 6/7/20.

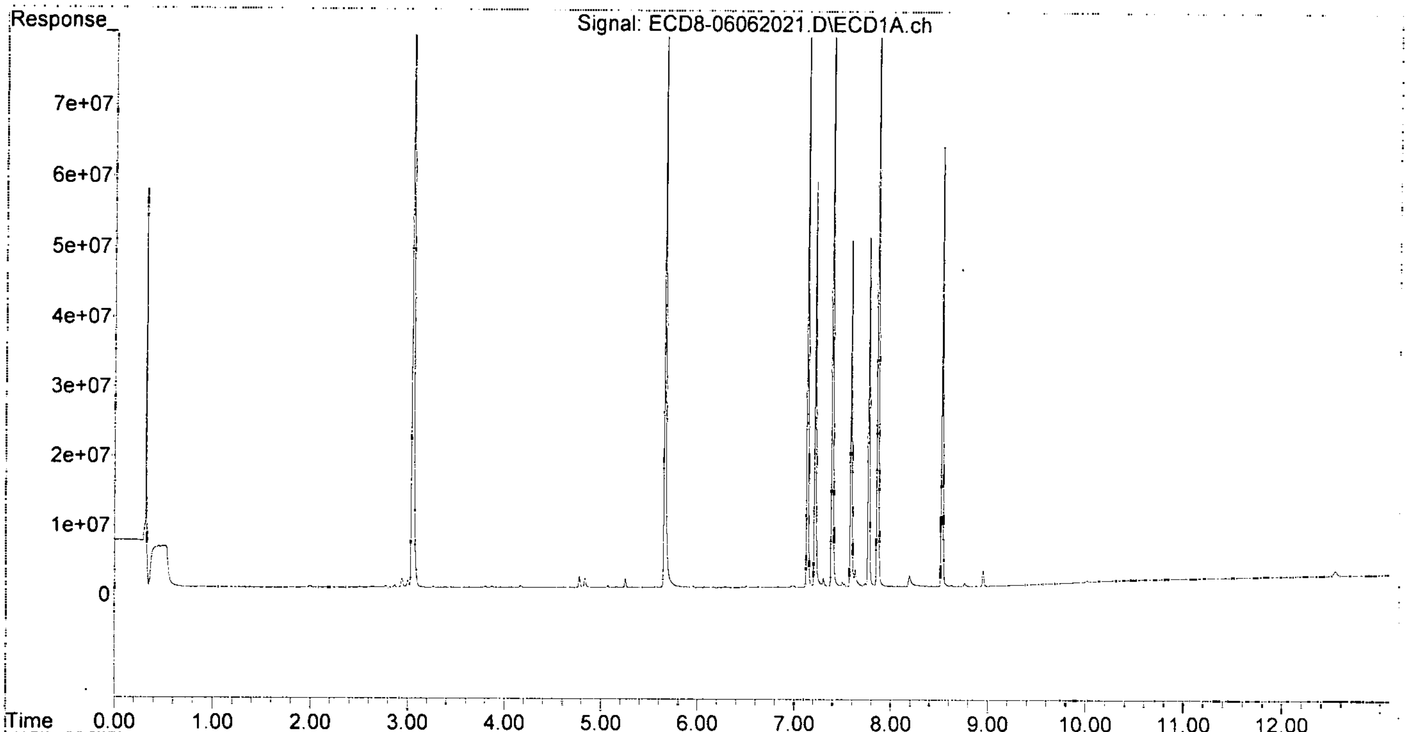
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.048	3.534	95294680	111.2E6	27.011	28.920
24)	Hexachlor...	5.656	6.313	79880115	79728985	26.376	30.263
25)	Oxychlordane	7.133	7.774	81758626	78433559	28.280	30.364
26)	2,4'-DDE	7.214	7.983	58290492	58724684	26.860	30.570
27)	trans-Non...	7.390	8.050	90111332	87275991	27.271	29.062
28)	2,4'-DDD	7.585	8.357	49825773	50440715	25.813	29.434
29)	2,4'-DDT	7.768	8.581	50321319	52198495	27.055	30.740
30)	cis-Nonac...	7.861	8.617	97417447	96357003	27.549	30.320
31)	Mirex	8.527	9.535	62846910	57280592	27.415	28.268
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

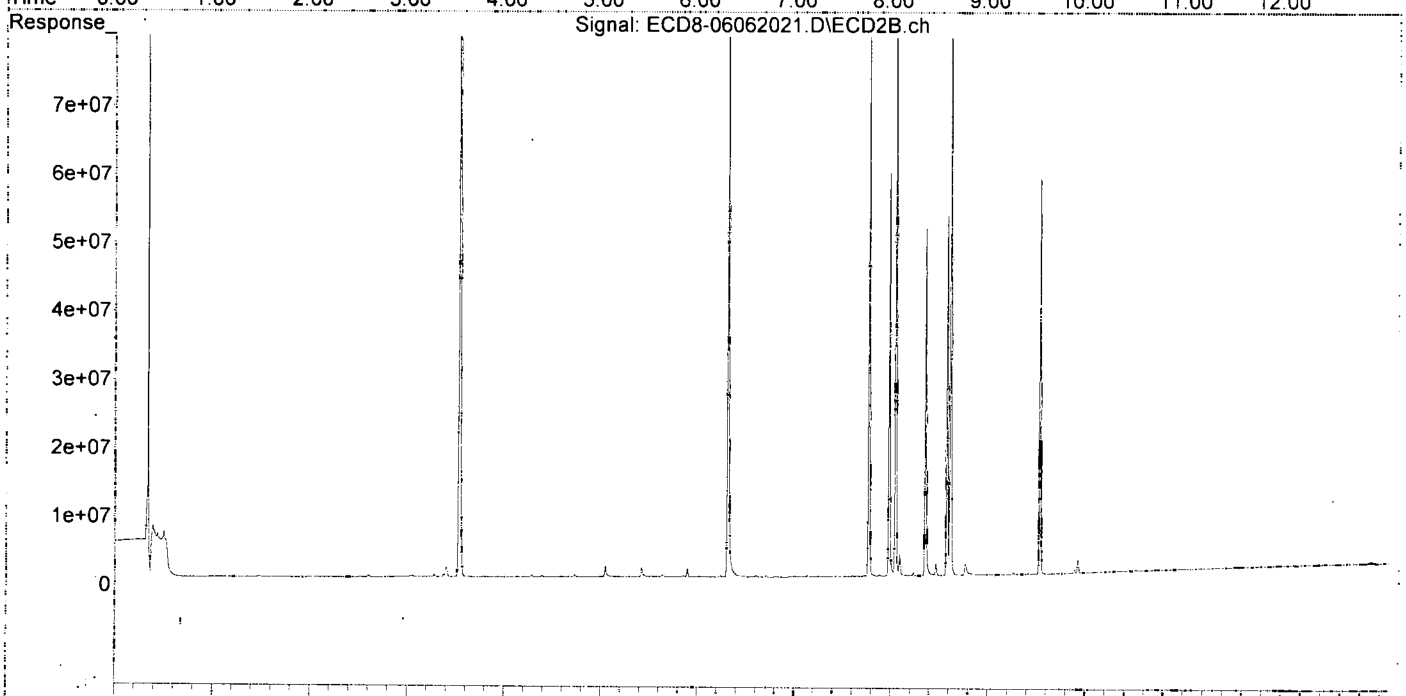
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:15
Operator : MJB
Sample : 0F06008-CALF
Misc : A20C357, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:41:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:31
Operator : MJB
Sample : 0F06008-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:37:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

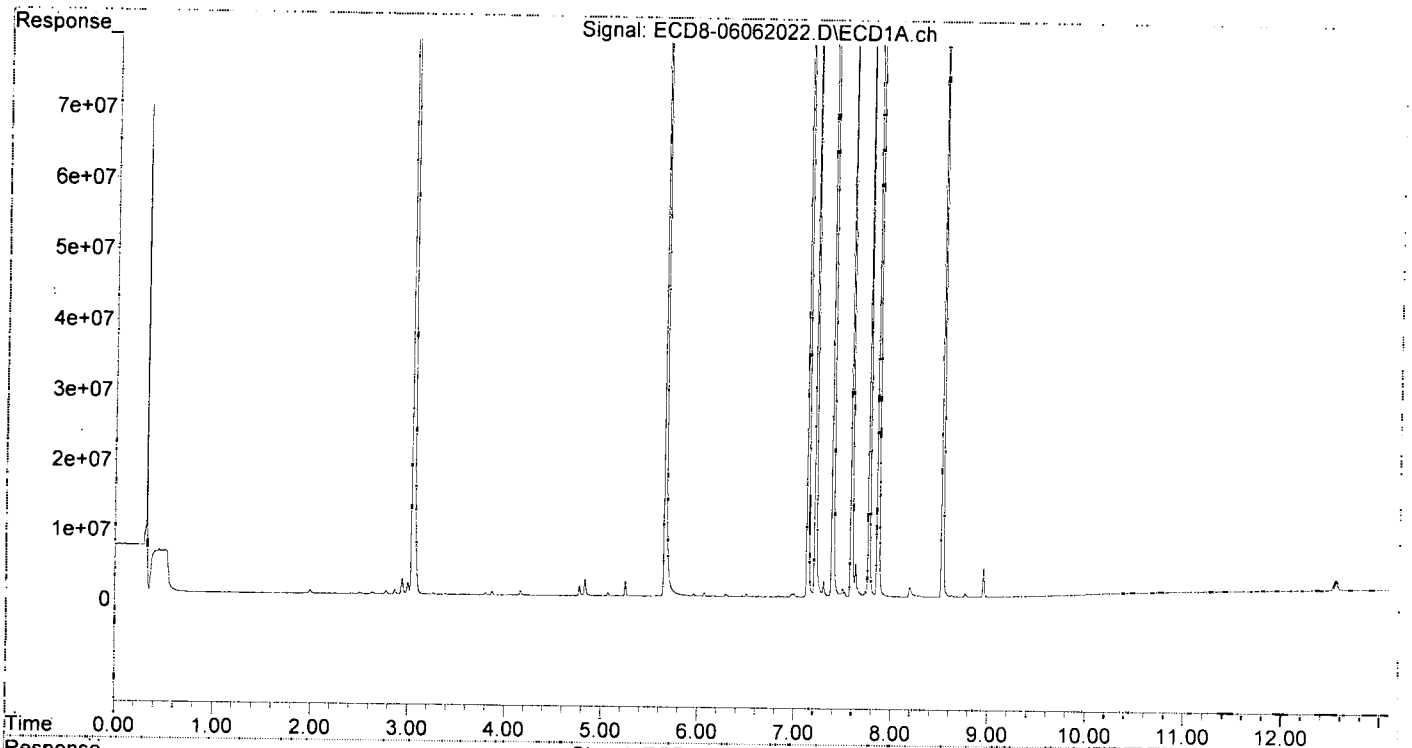
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.048	3.535	181.1E6	210.7E6	51.386	54.042
24)	Hexachlor...	5.656	6.313	160.0E6	159.2E6	52.418	58.225
25)	Oxychlordane	7.134	7.774	157.3E6	153.9E6	54.042	58.551
26)	2,4'-DDE	7.214	7.983	112.8E6	115.7E6	51.968	58.613
27)	trans-Non...	7.391	8.050	177.0E6	168.3E6	53.052	54.810
28)	2,4'-DDD	7.586	8.357	97515455	98432282	50.520	55.817
29)	2,4'-DDT	7.768	8.581	99153199	104.0E6	53.309	58.492
30)	cis-Nonac...	7.861	8.617	194.0E6	189.8E6	54.435	57.688
31)	Mirex	8.527	9.536	121.8E6	111.5E6	53.016	54.662
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

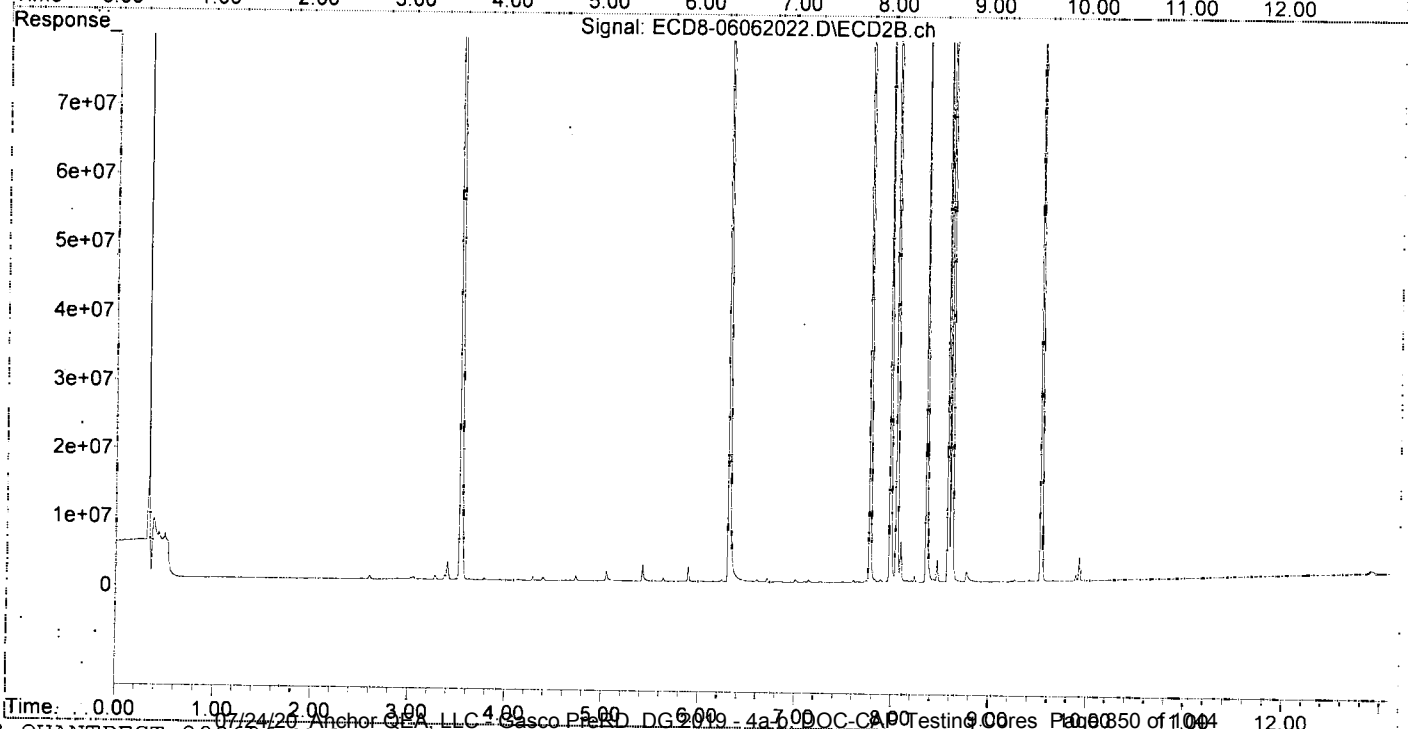
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:31
Operator : MJB
Sample : 0F06008-CALG
Misc : A20C358, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:37:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:32:12 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:48
Operator : MJB
Sample : 0F06008-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:42:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

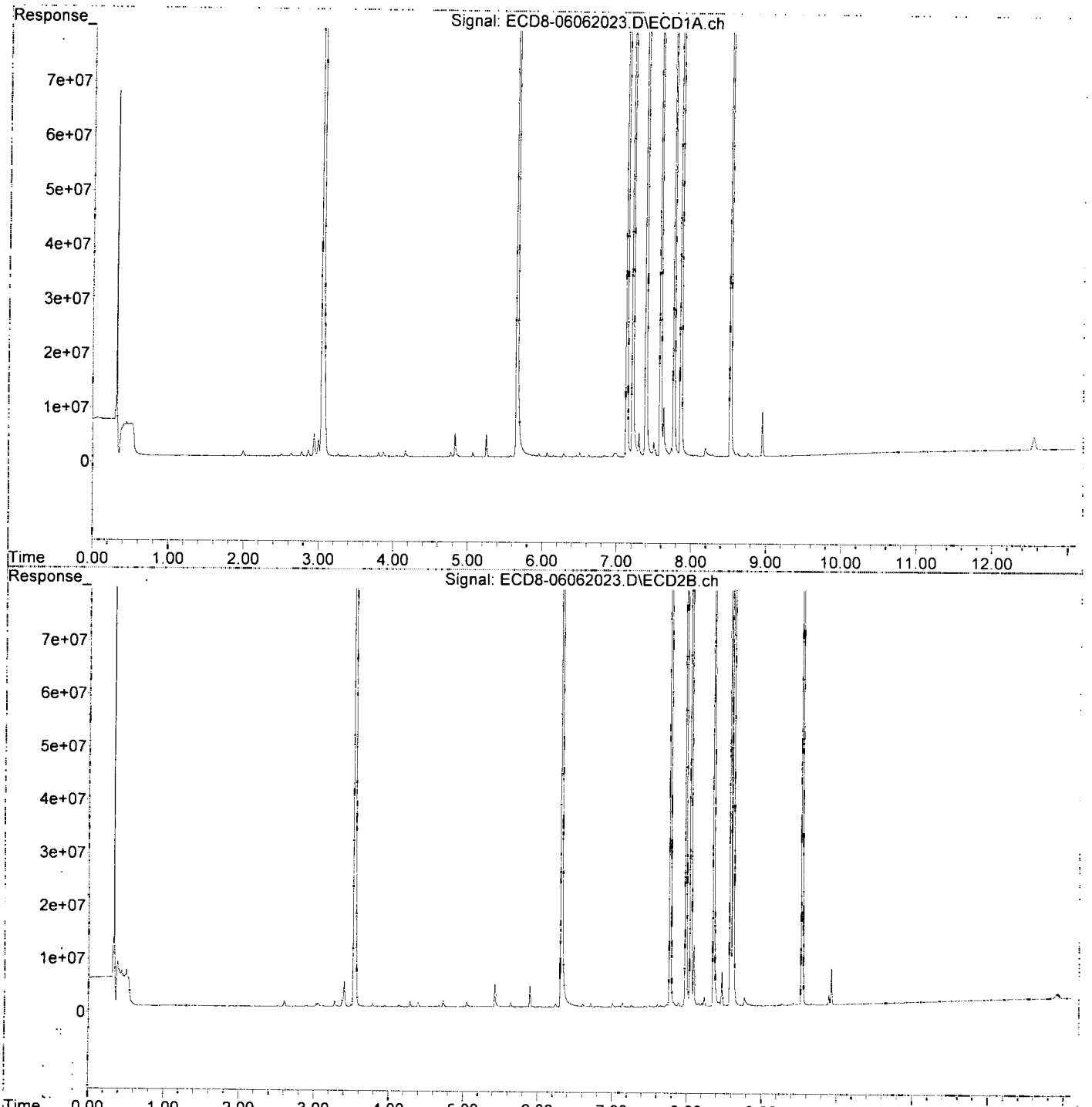
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.049	3.534	363.4E6	428.8E6	102.711	106.377
24)	Hexachlor...	5.657	6.313	328.0E6	337.8E6	105.145	114.467
25)	Oxychlordane	7.134	7.775	326.9E6	322.2E6	109.940	117.467
26)	2,4'-DDE	7.213	7.983	231.3E6	247.4E6	106.591	118.001
27)	trans-Non...	7.391	8.050	366.4E6	358.6E6	107.149	110.900
28)	2,4'-DDD	7.585	8.357	204.1E6	208.4E6	105.717	111.003
29)	2,4'-DDT	7.768	8.581	208.6E6	230.9E6	112.139	118.194
30)	cis-Nonac...	7.861	8.617	396.8E6	394.5E6	109.143	111.769
31)	Mirex	8.527	9.536	244.0E6	238.4E6	104.881	113.990
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 20:48
Operator : MJB
Sample : 0F06008-CALH
Misc : A20C359, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:42:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:04
Operator : MJB
Sample : 0F06008-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:42:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

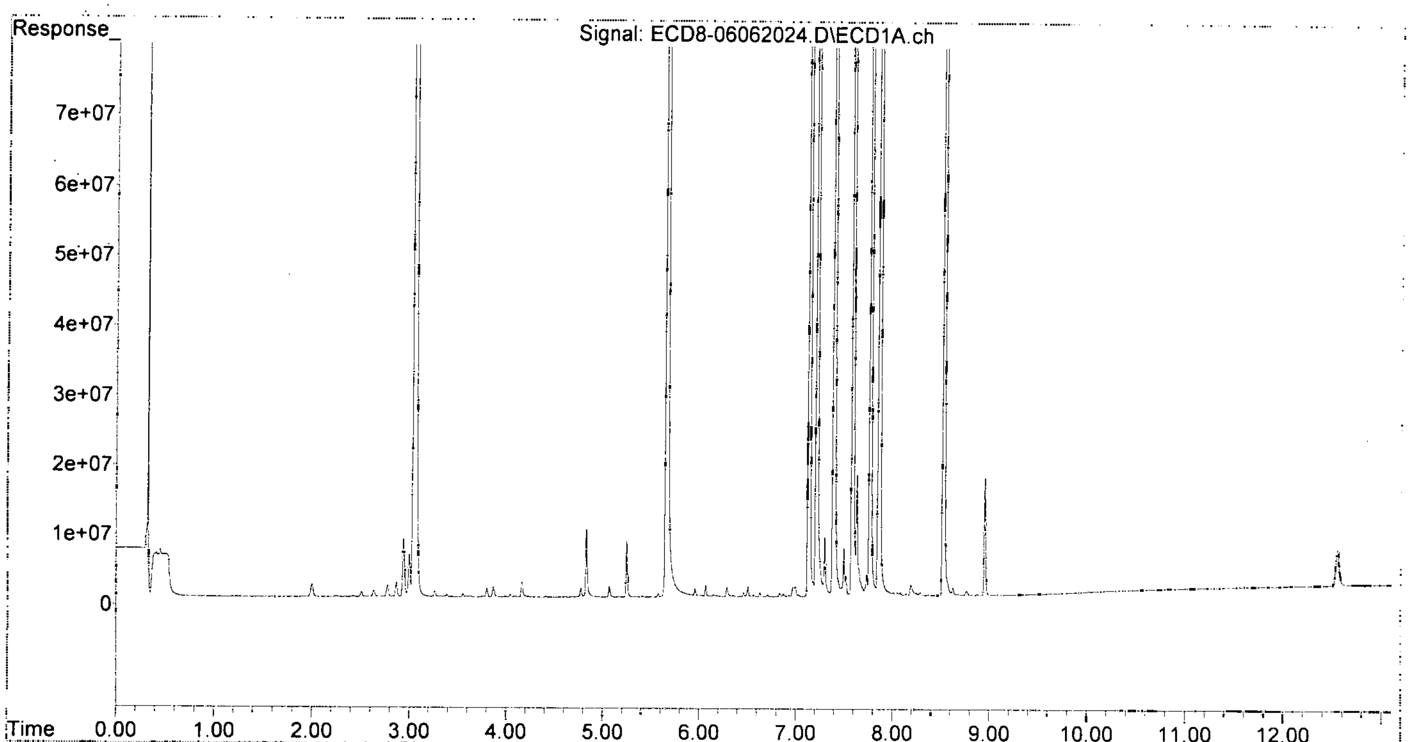
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	3.049	3.536	778.2E6	957.1E6	217.429	220.989
24)	Hexachlor...	5.657	6.313	684.1E6	729.6E6	209.725	217.550
25)	Oxychlordane	7.135	7.775	680.8E6	662.5E6	219.423	224.009
26)	2,4'-DDE	7.213	7.983	484.6E6	523.6E6	223.322	225.465
27)	trans-Non...	7.391	8.050	736.3E6	736.7E6	205.656	208.832
28)	2,4'-DDD	7.585	8.358	428.4E6	447.2E6	221.945	213.539
29)	2,4'-DDT	7.768	8.582	431.1E6	495.5E6	231.791	219.612
30)	cis-Nonac...	7.862	8.618	807.5E6	857.8E6	213.567	214.743
31)	Mirex	8.528	9.537	503.2E6	486.1E6	210.187	221.297
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

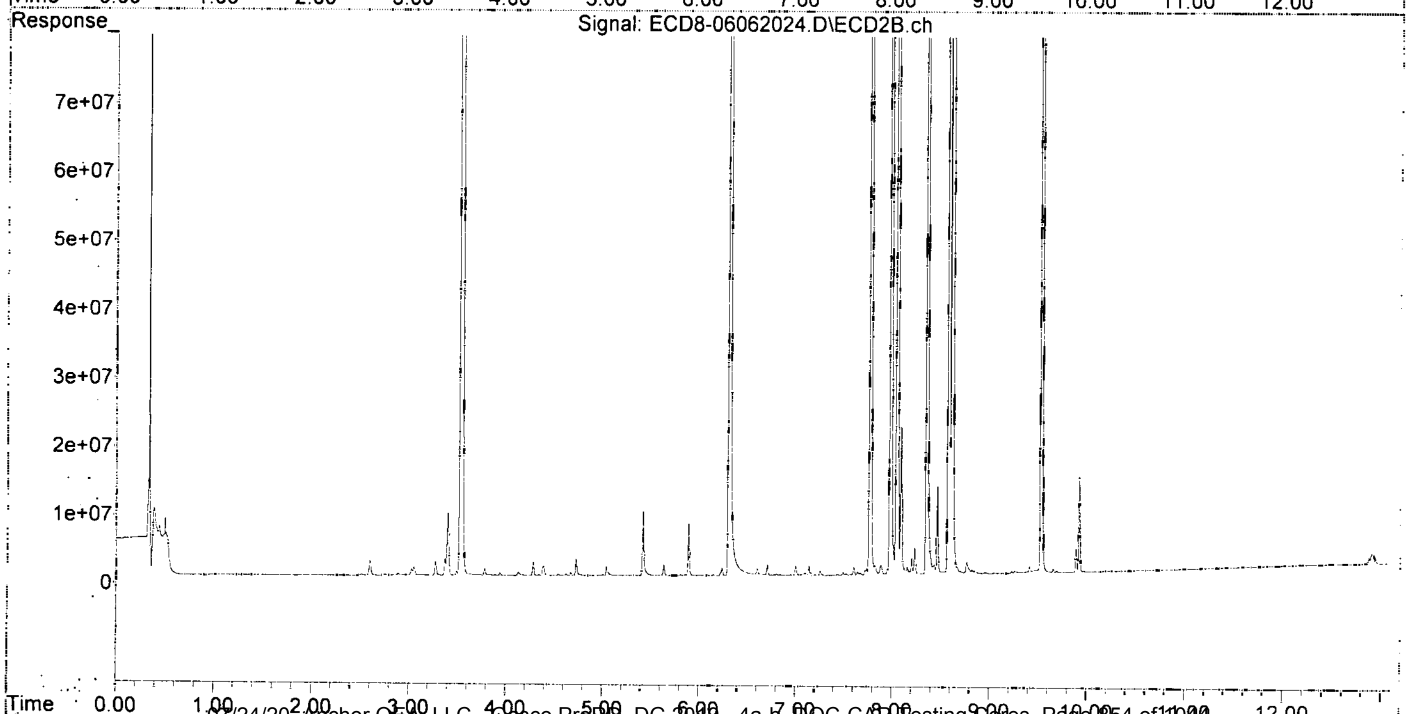
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:04
Operator : MJB
Sample : 0F06008-CALI
Misc : A20C352, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:42:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:54
Operator : MJB
Sample : 0F06008-CALJ
Misc : A20F083, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:44:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

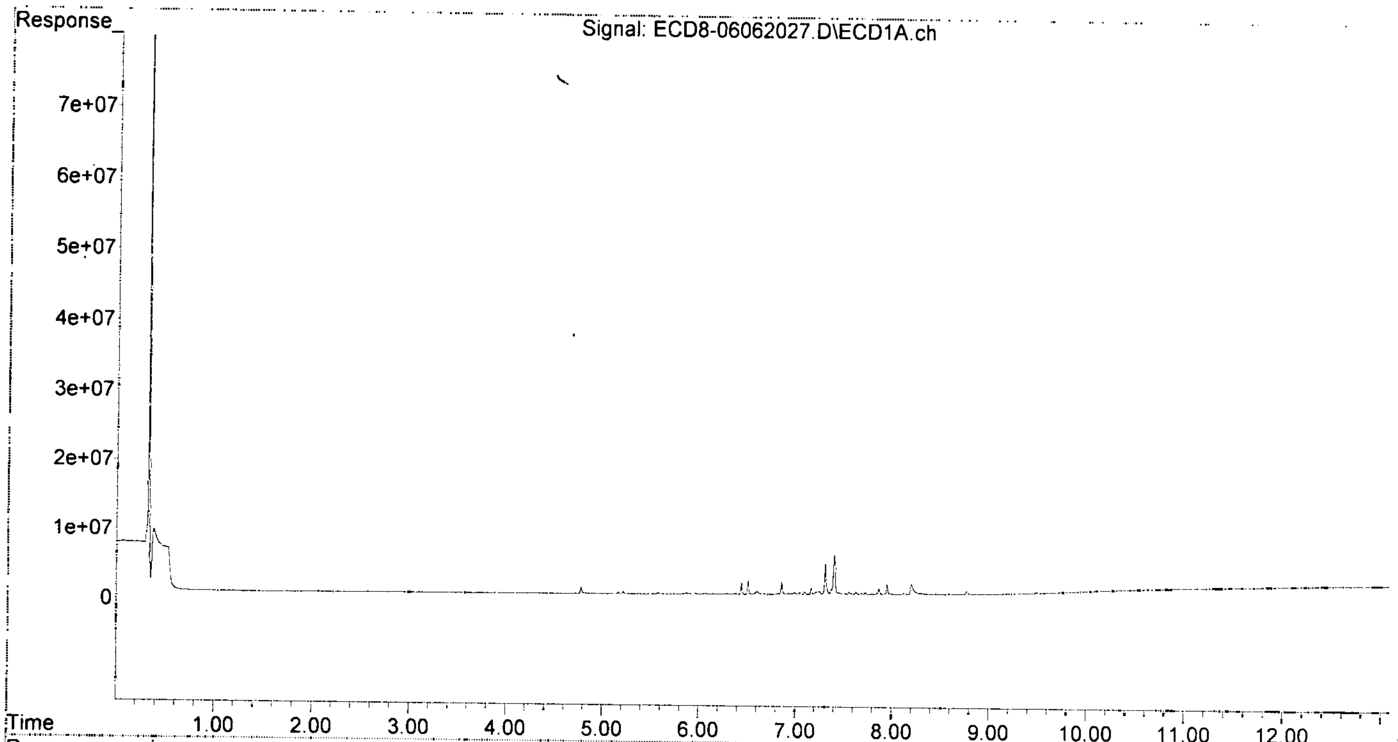
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.304	7.986	4408504	4481852	11.246	11.214
33)	Chlordane...	7.398	8.094	5647776	3943445	12.553	11.767
34)	Chlordane...	7.945	8.757	1511798	1377635	12.382	4.731 #
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

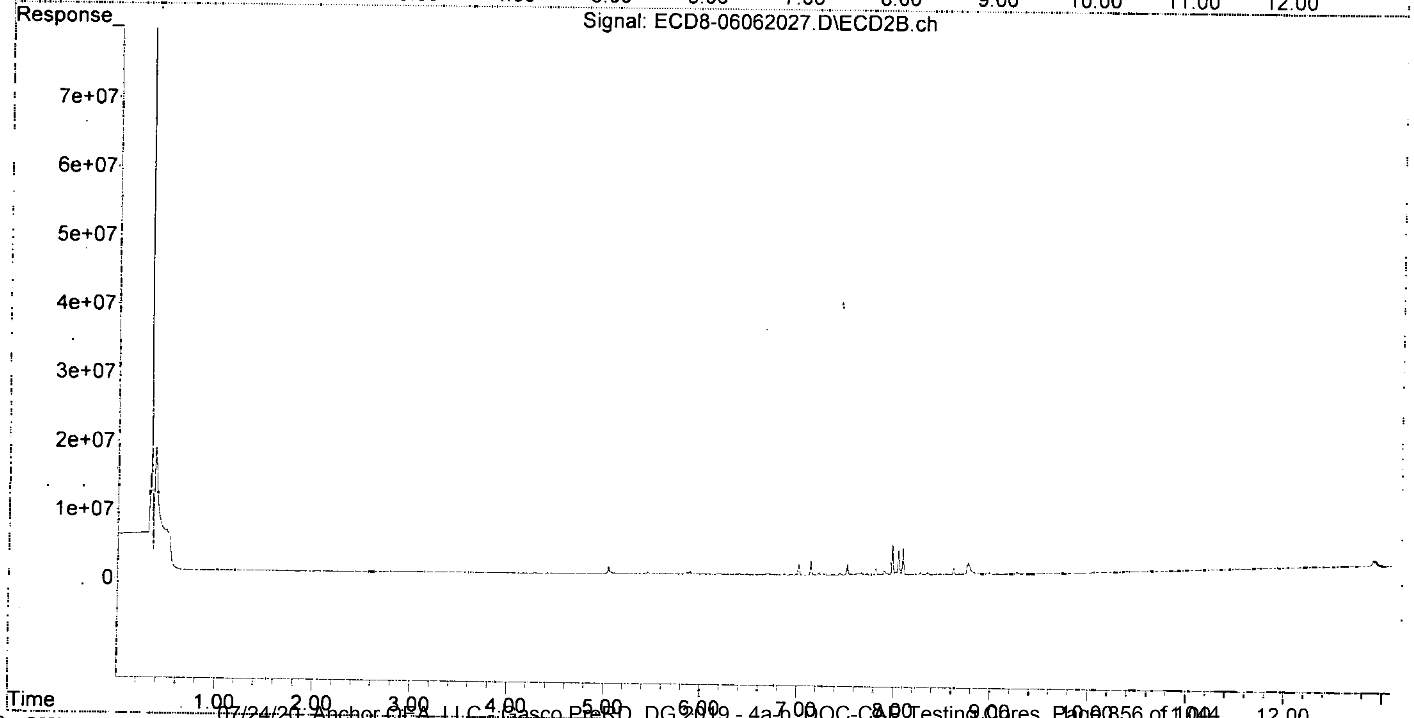
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 21:54
Operator : MJB
Sample : 0F06008-CALJ
Misc : A20F083, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:44:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:11
Operator : MJB
Sample : 0F06008-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:45:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20.

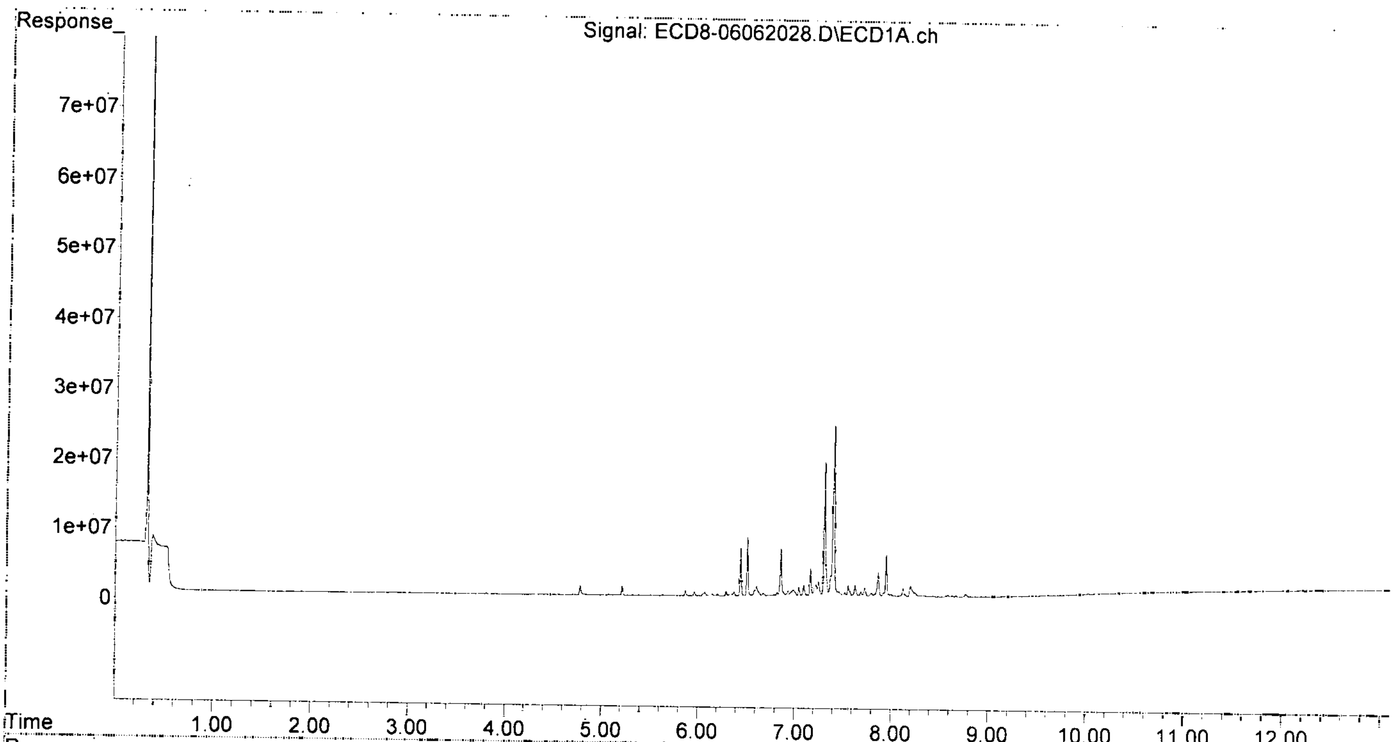
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.303	7.986	19274517	19500876	49.169	48.791
33)	Chlordane...	7.397	8.094	24399927	16595506	54.233	49.522
34)	Chlordane...	7.945	8.756	6029645	5527957	49.383	47.215
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

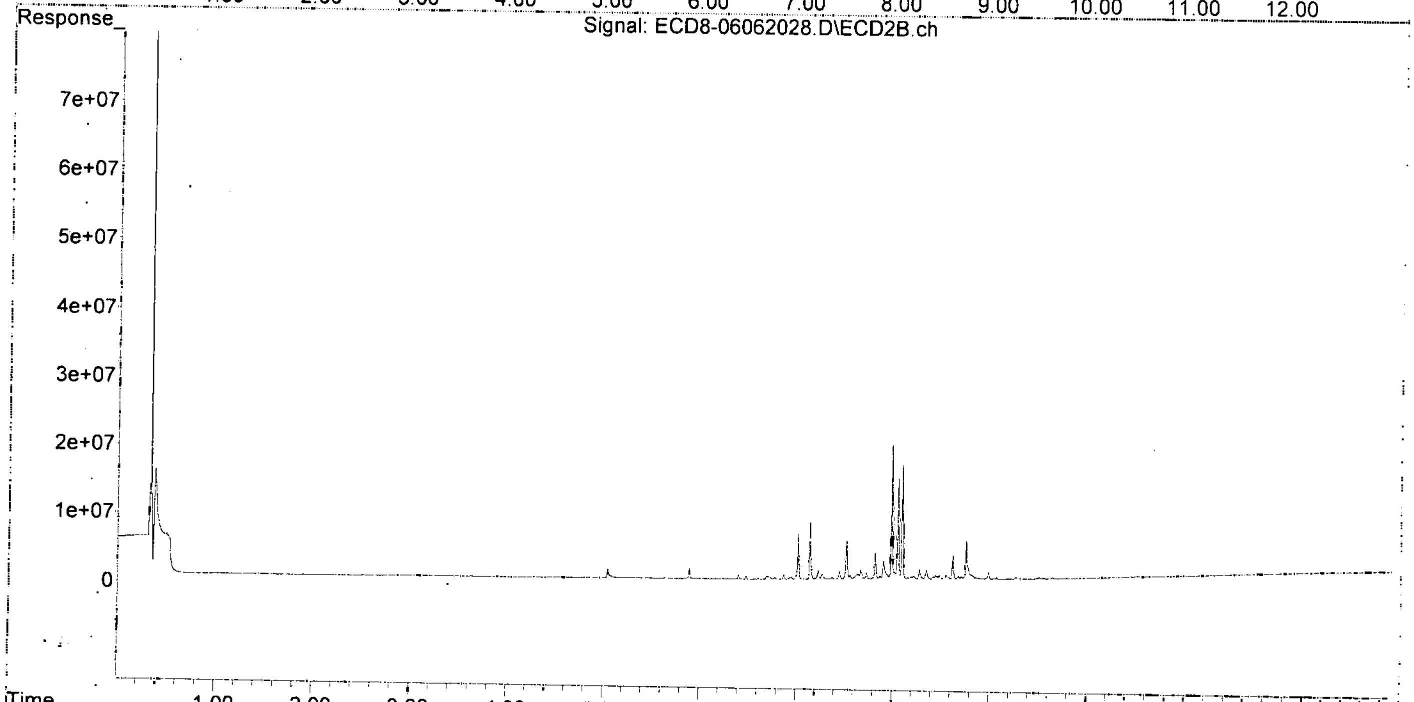
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:11
Operator : MJB
Sample : 0F06008-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:45:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:27
Operator : MJB
Sample : 0F06008-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:45:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

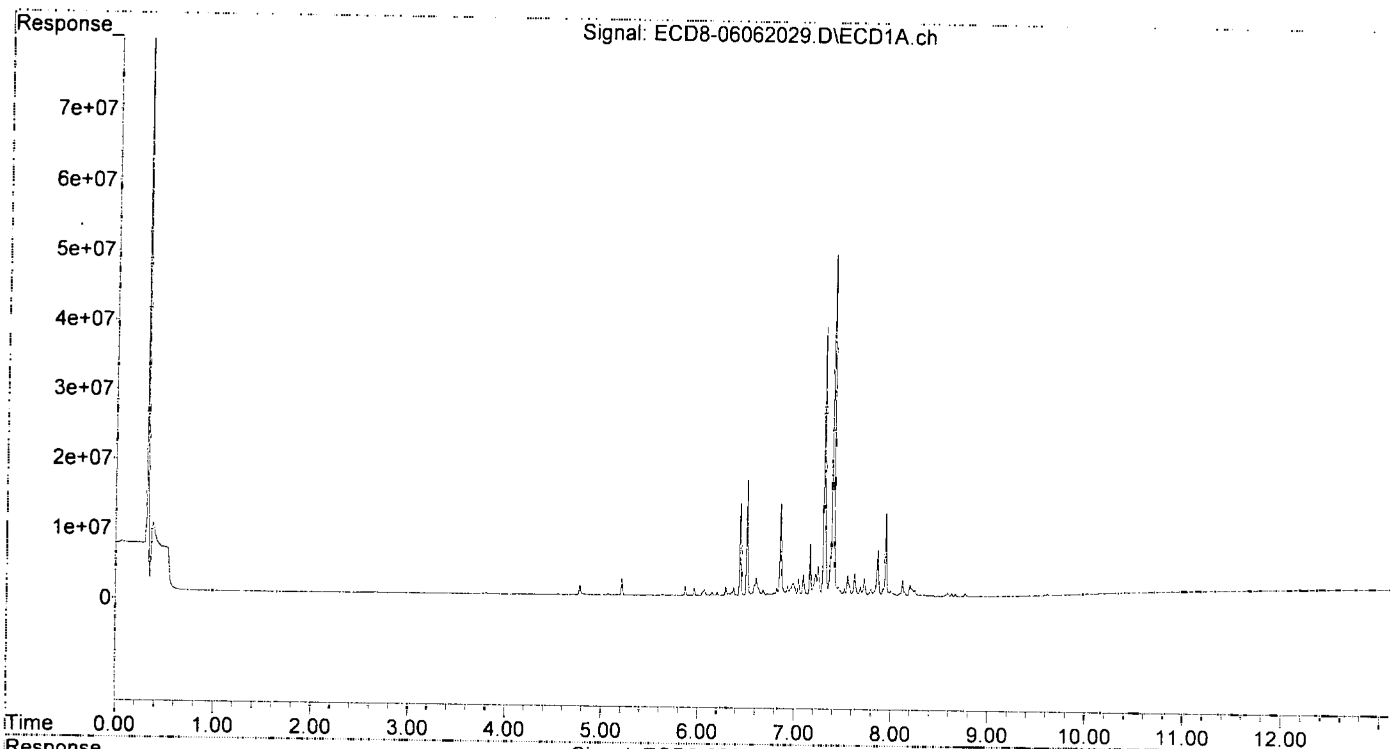
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	7.302	7.986	38729637	40348541	98.799	100.951
33)		Chlordane...	7.396	8.095	49198842	33994305	109.354	101.441
34)		Chlordane...	7.945	8.756	12071538	10878732	98.866	101.377
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

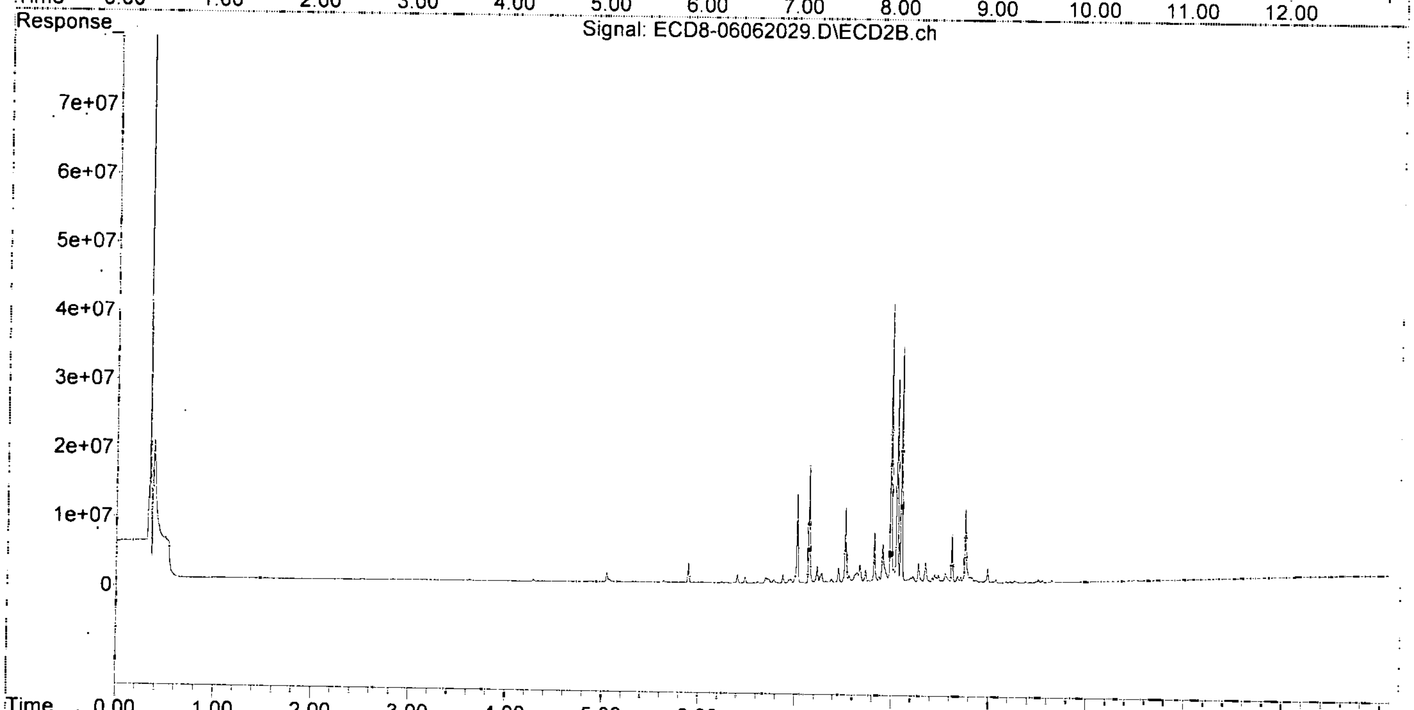
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:27
Operator : MJB
Sample : 0F06008-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:45:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:44
Operator : MJB
Sample : 0F06008-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:46:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation

MJR 6/7/20

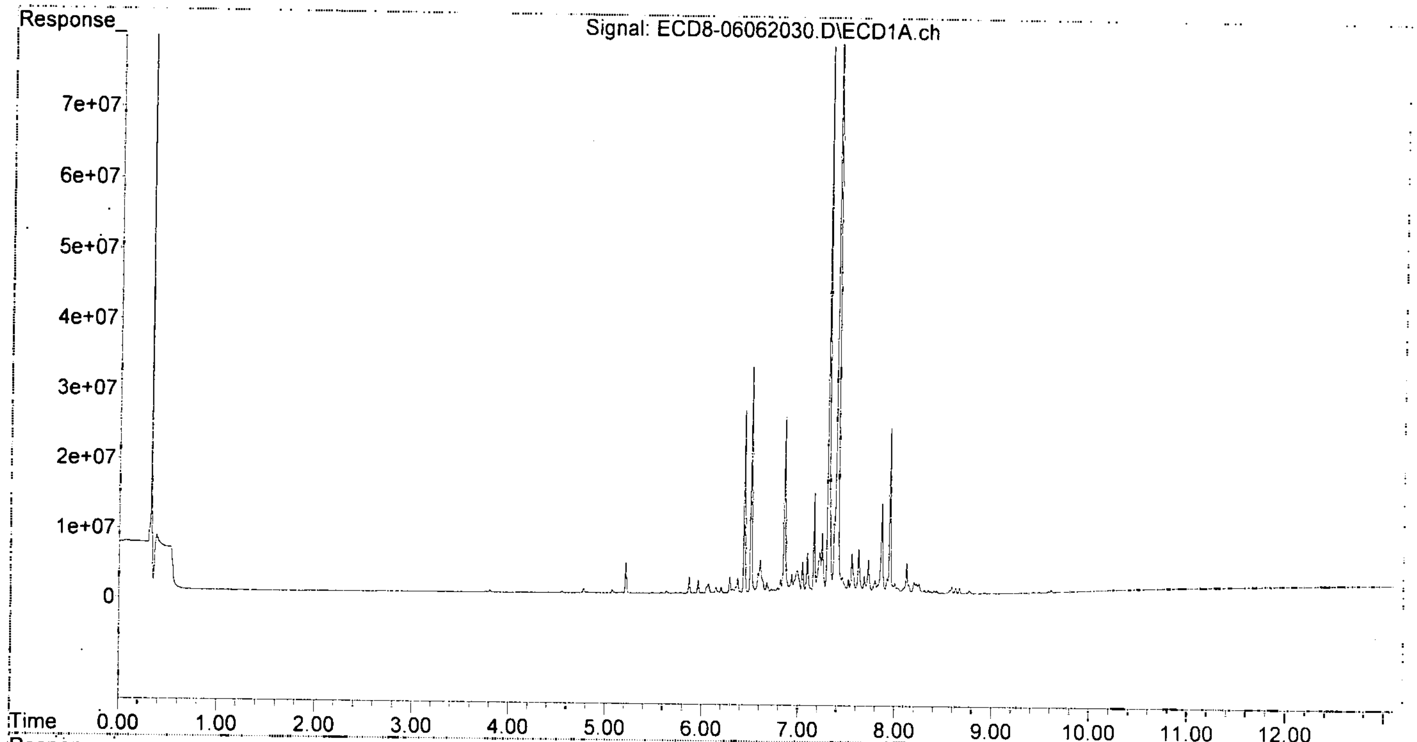
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.302	7.986	77948458	78897328	198.846	197.400
33)	Chlordane...	7.397	8.094	95290864	66157880	211.802	197.419
34)	Chlordane...	7.944	8.756	23847628	21056652	195.313	202.582
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

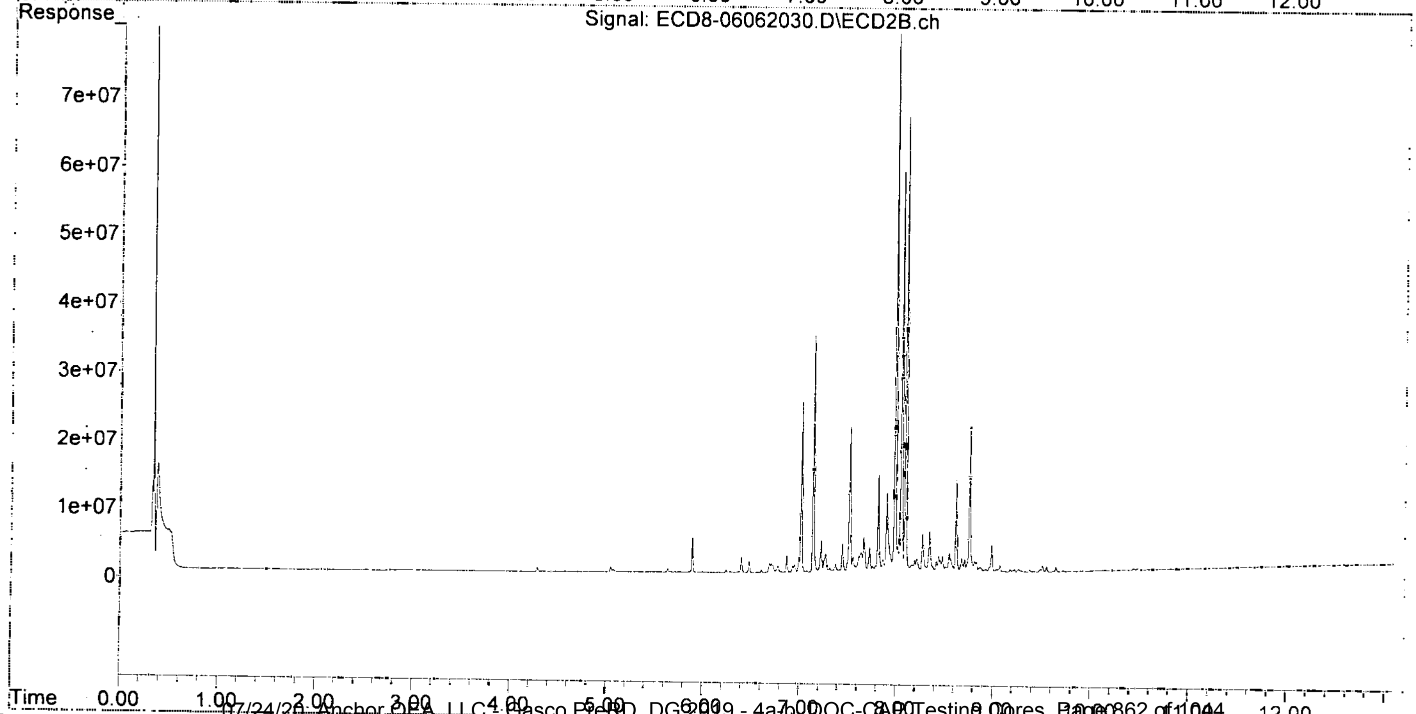
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 22:44
Operator : MJB
Sample : 0F06008-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:46:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:00
Operator : MJB
Sample : 0F06008-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:43:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

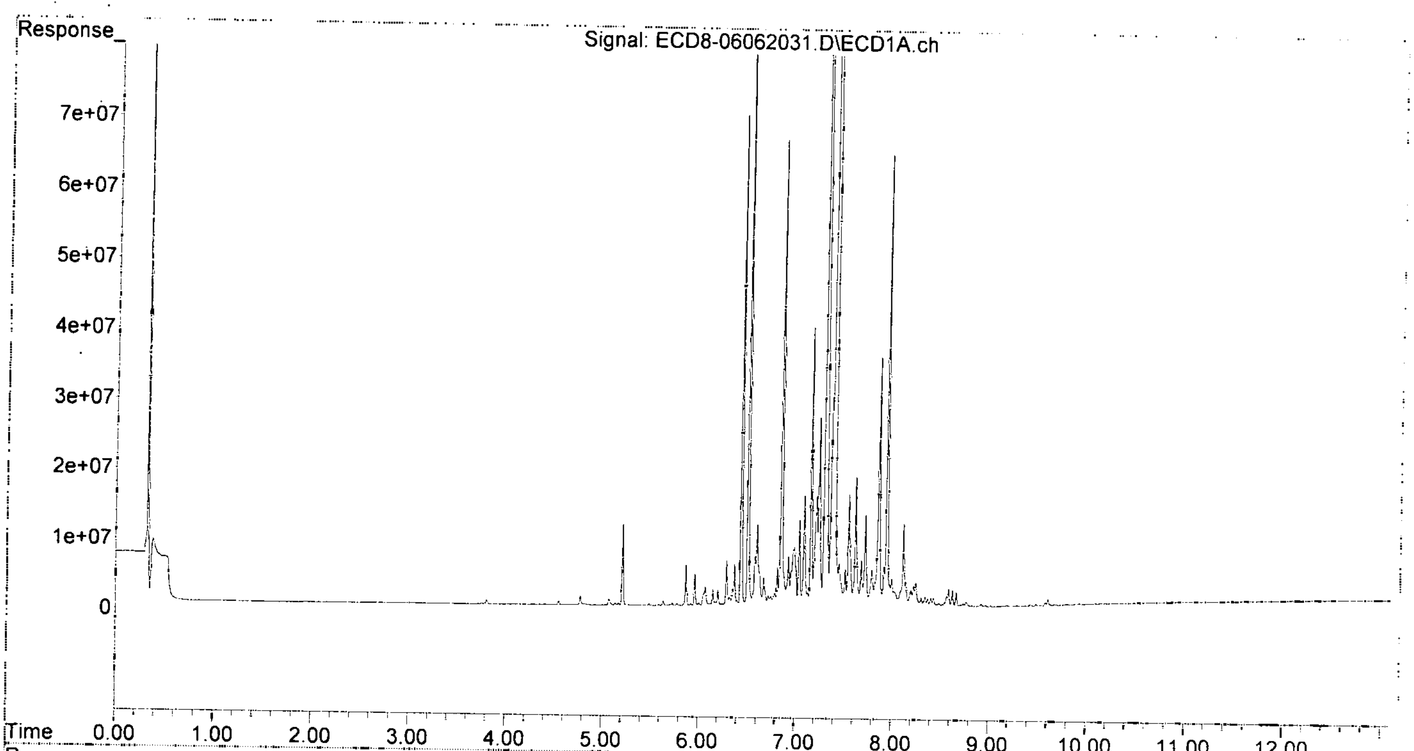
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	7.302	7.986	208.7E6	224.0E6	532.329	560.383
33)		Chlordane...	7.396	8.094	257.4E6	183.0E6	572.190	545.953
34)		Chlordane...	7.944	8.756	64272968	59826712	526.397	568.678
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

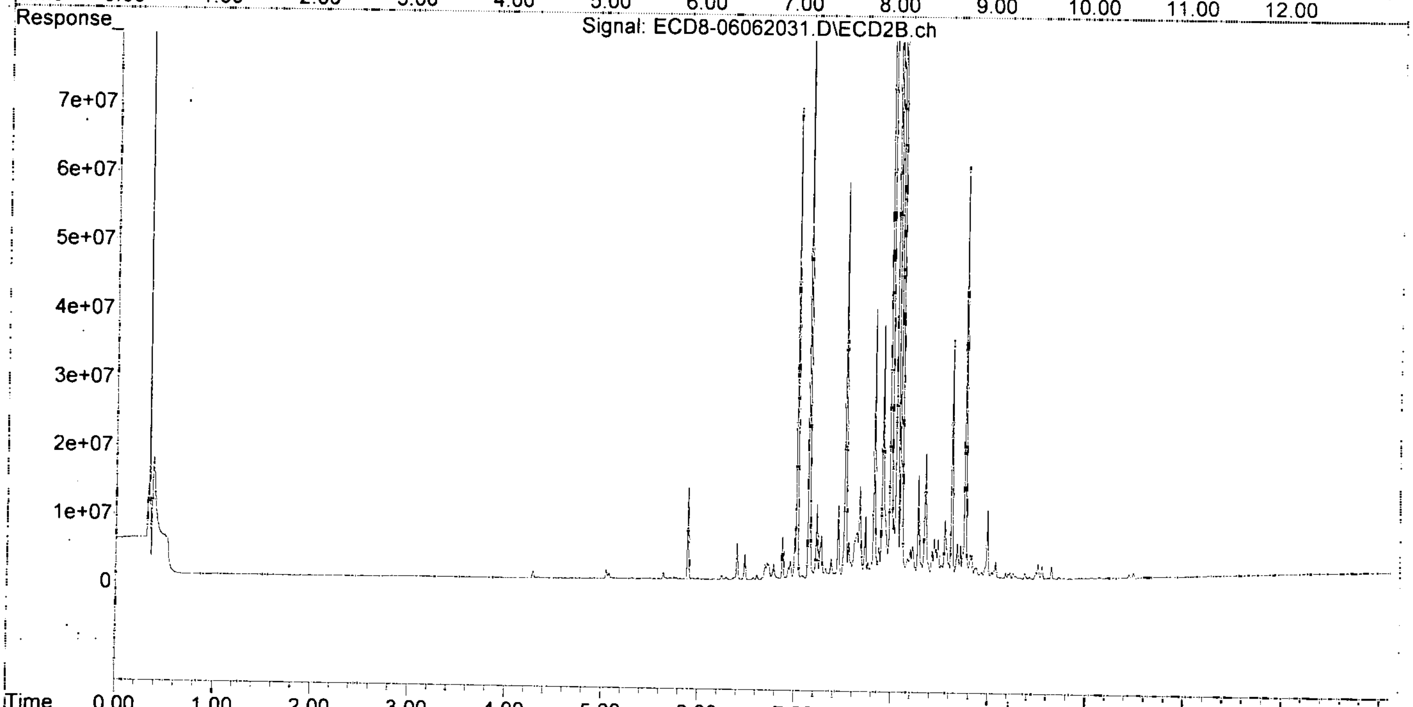
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:00
Operator : MJB
Sample : 0F06008-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:43:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:38:30 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:17
Operator : MJB
Sample : 0F06008-CALO
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:46:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

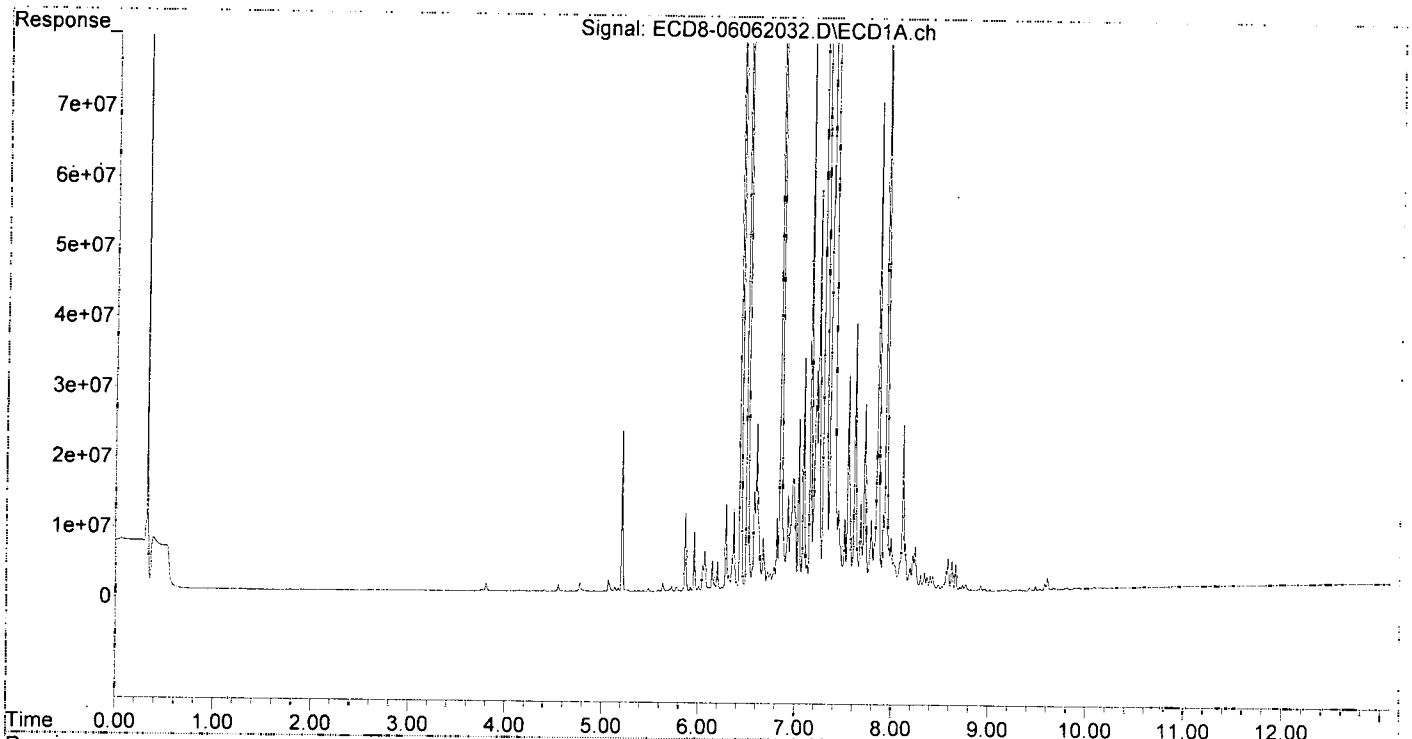
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.302	7.985	425.4E6	464.6E6	1085.103	1162.428
33)	Chlordane...	7.396	8.094	521.6E6	384.4E6	1159.332	1147.030
34)	Chlordane...	7.944	8.755	129.4E6	121.8E6	1059.928	1102.517
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

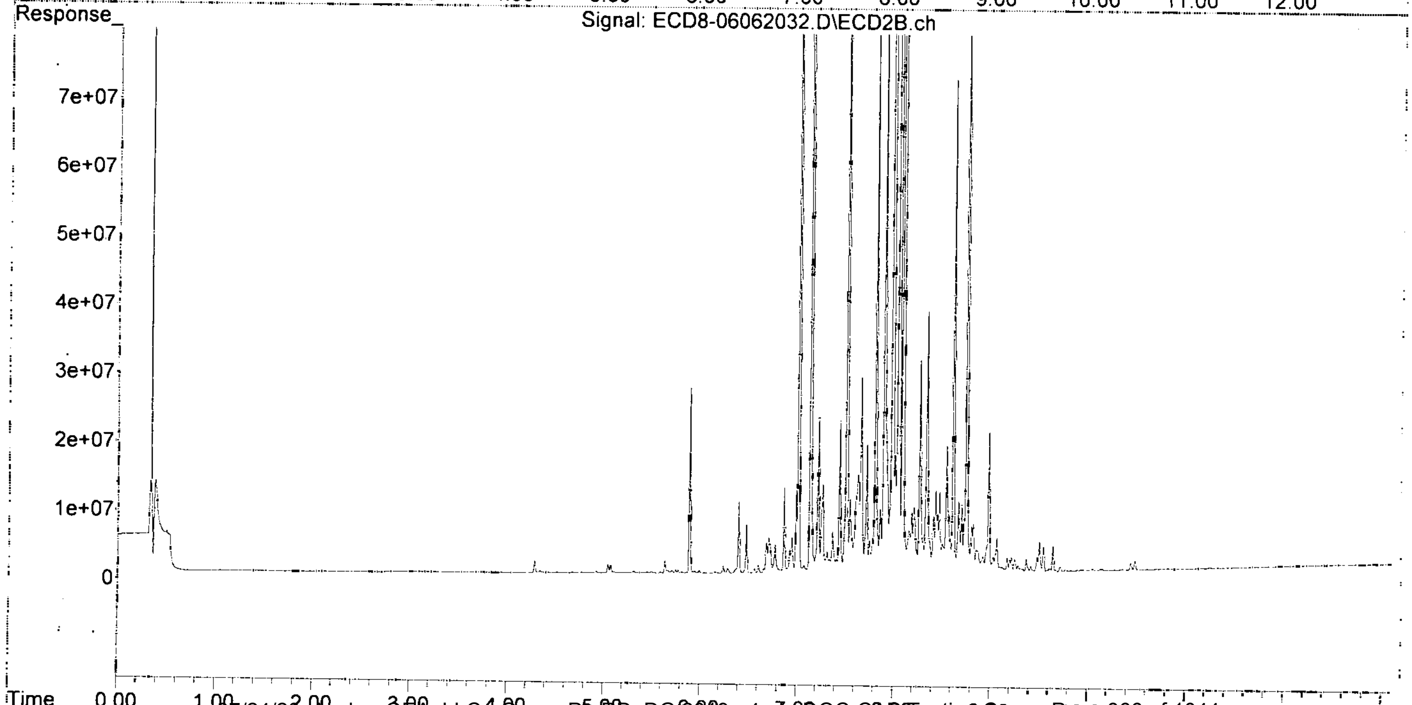
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:17
Operator : MJB
Sample : 0F06008-CAL0
Misc : A20F061, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:46:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:33
Operator : MJB
Sample : 0F06008-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:47:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

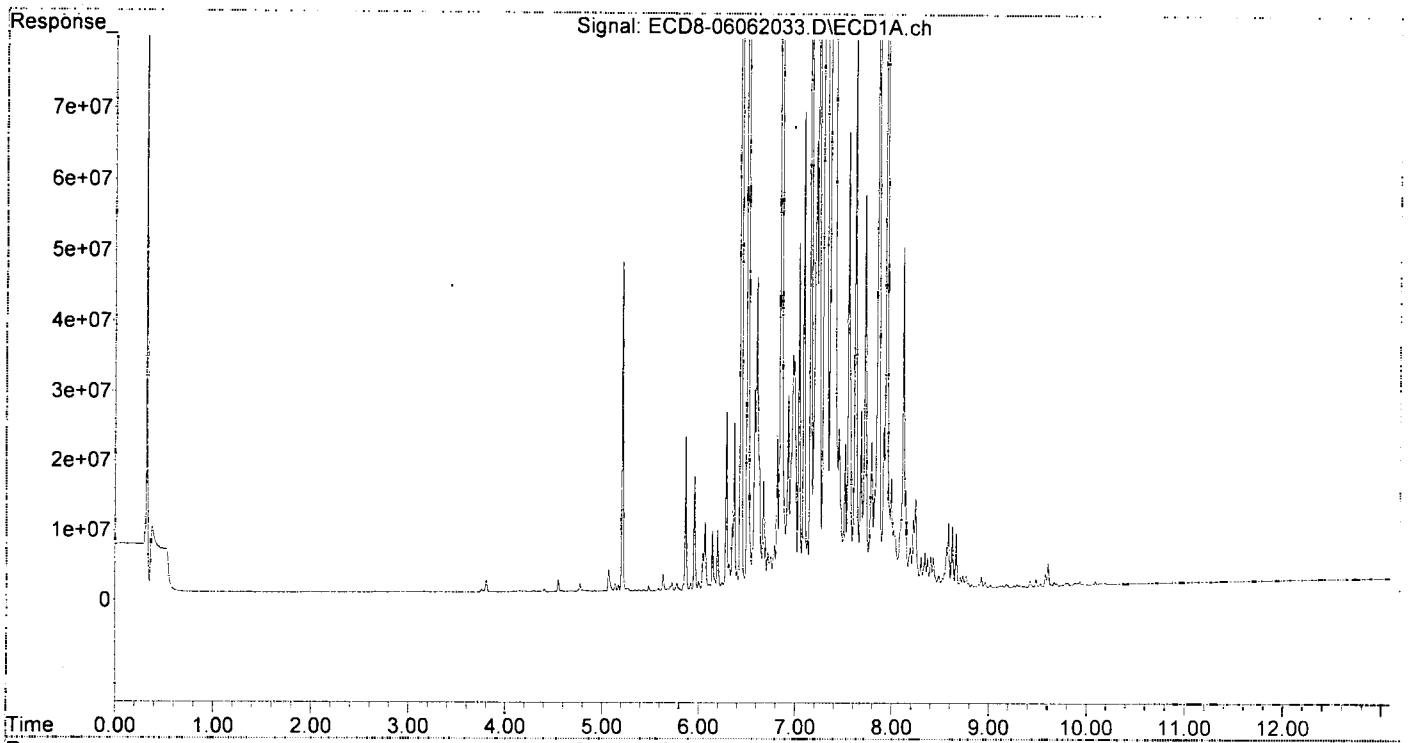
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.301	7.985	890.7E6	966.5E6	2272.270	2418.274
33)	Chlordane...	7.397	8.094	1087.7E6	813.2E6	2417.576	2426.723
34)	Chlordane...	7.943	8.755	270.5E6	262.1E6	2215.457	2147.399
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

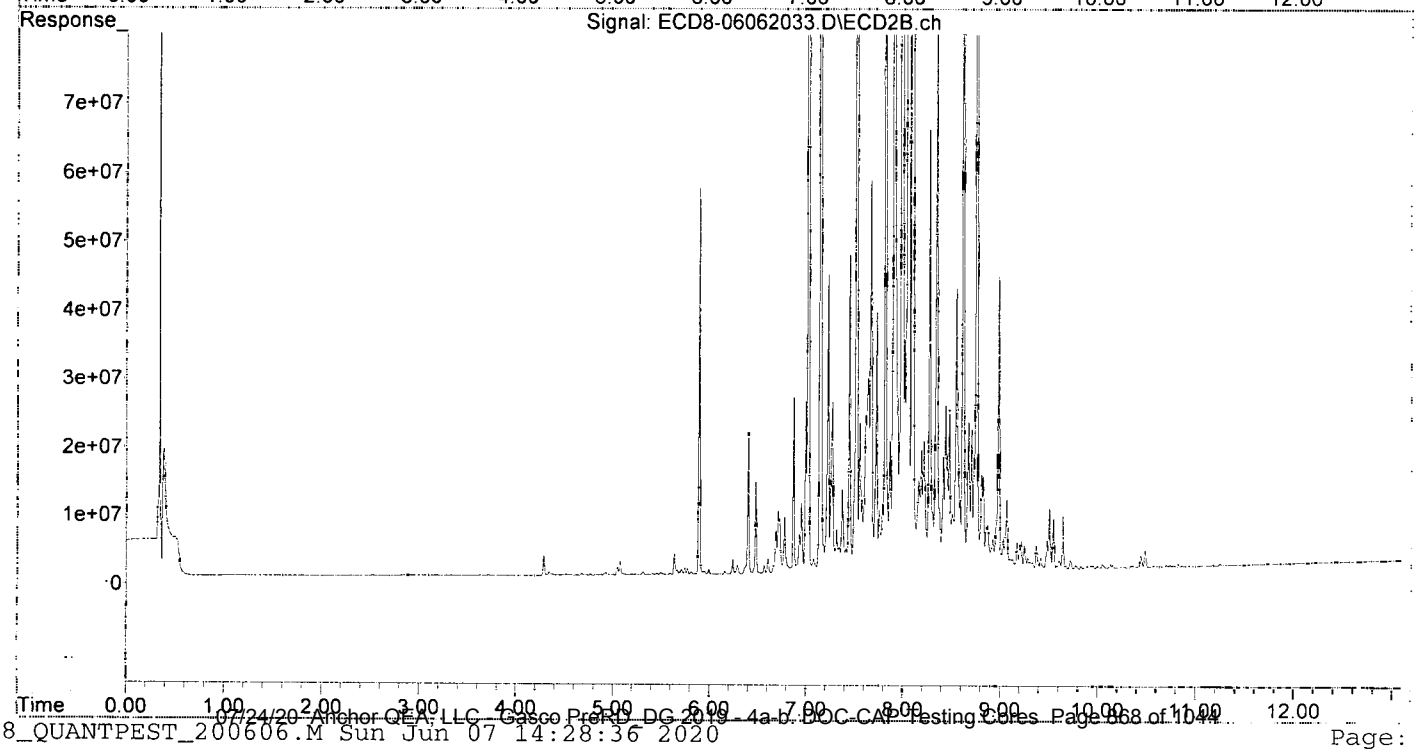
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 6 Jun 2020 23:33
Operator : MJB
Sample : 0F06008-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:47:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

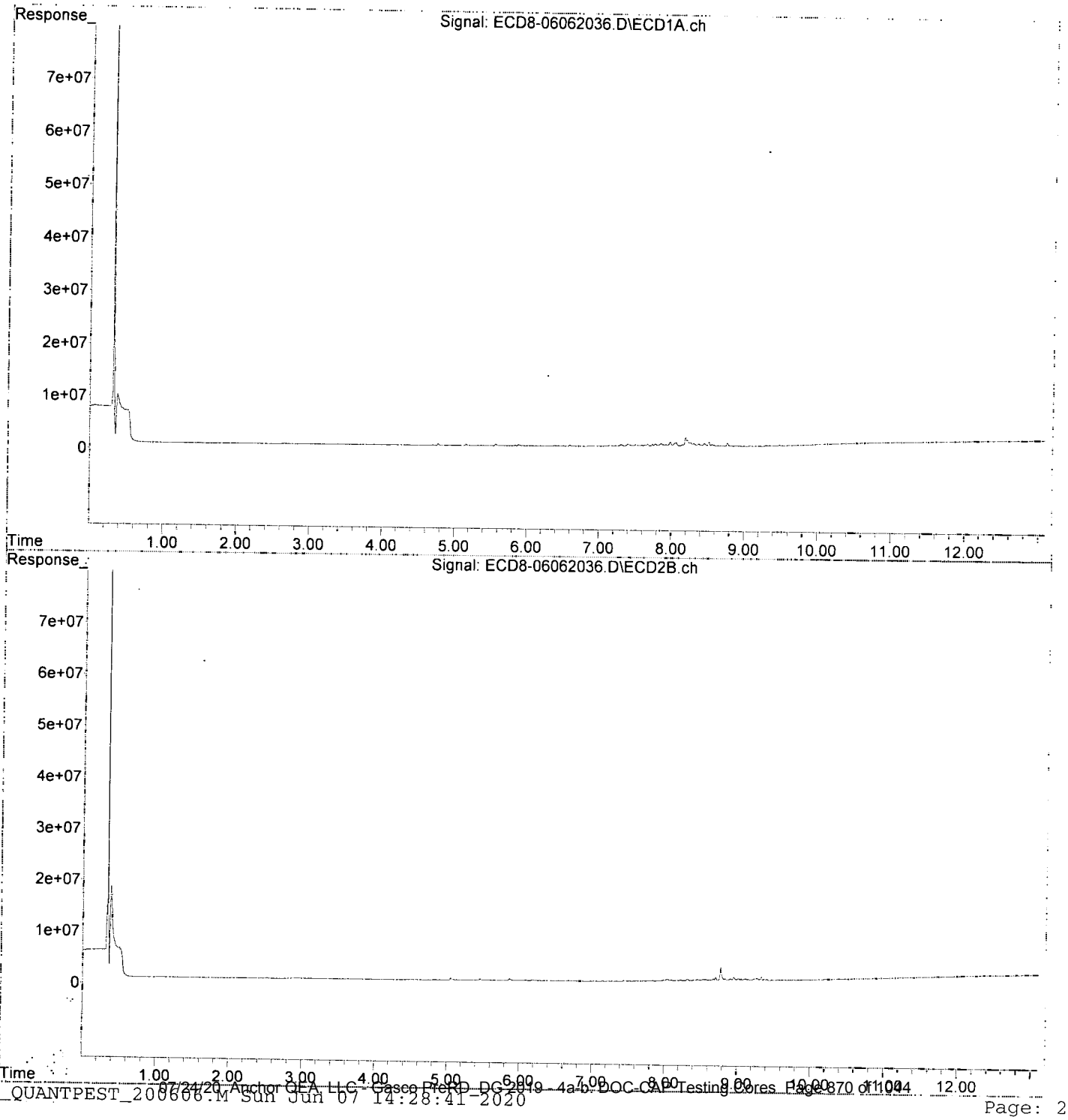
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.380	8.324	223232	372544	14.212m	12.708
37)	Toxaphene...	7.671	8.673	428322	454972	13.828	12.326
38)	Toxaphene...	7.982	8.706	866733	737338	13.096	12.482
39)	Toxaphene...	8.222	8.773	1188909	2581320	12.745	17.459 #
40)	Toxaphene...	8.450	8.953	599046	696424	12.706	12.969
41)	Toxaphene...	8.516	9.331	860734	742472	12.830	12.430
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

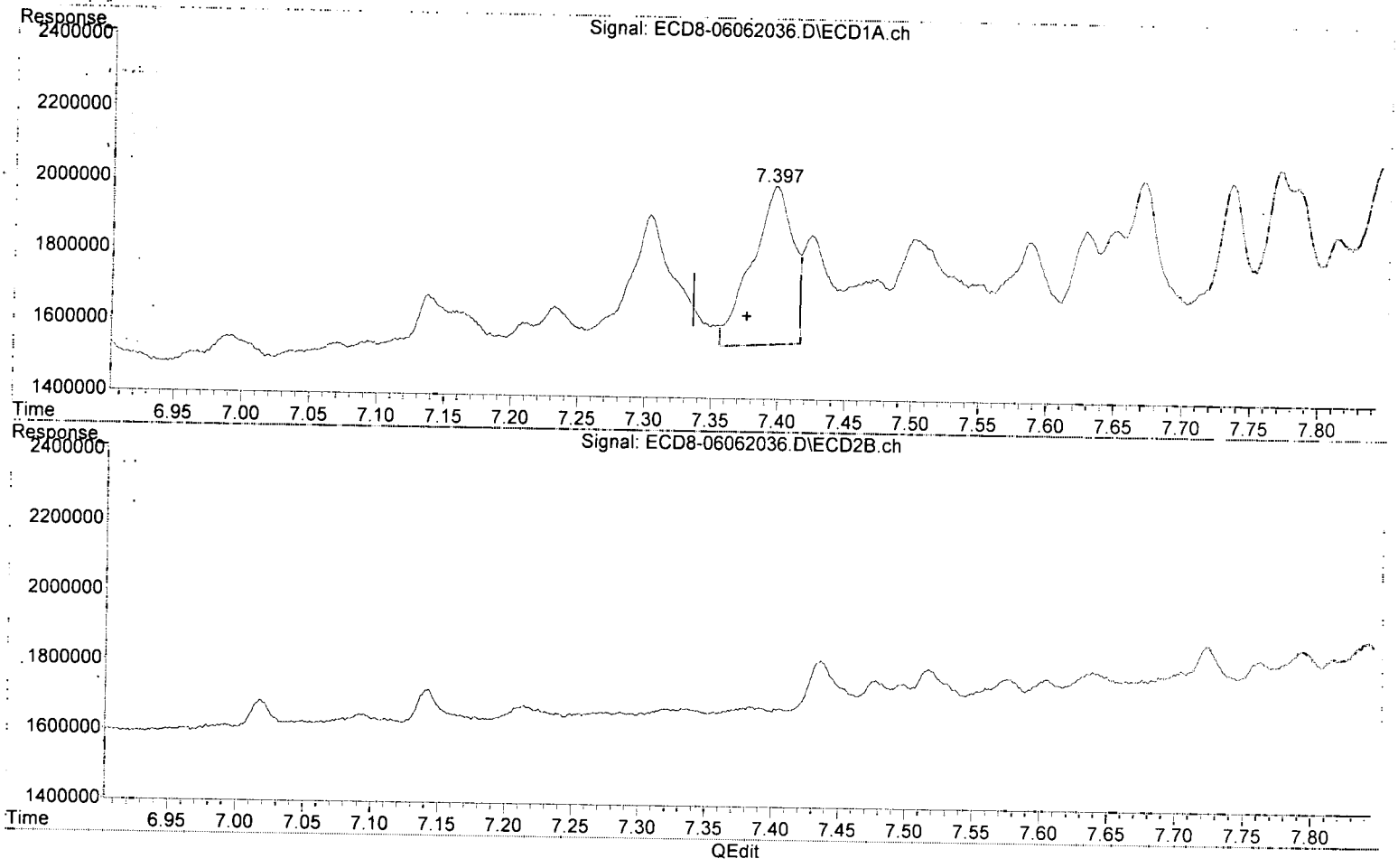
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



(36) Toxaphene (1)

7.397min 28.308 ng/mL

response 444632

MJB 6/11/20

(36) Toxaphene (1) #2

8.324min 12.708 ng/mL

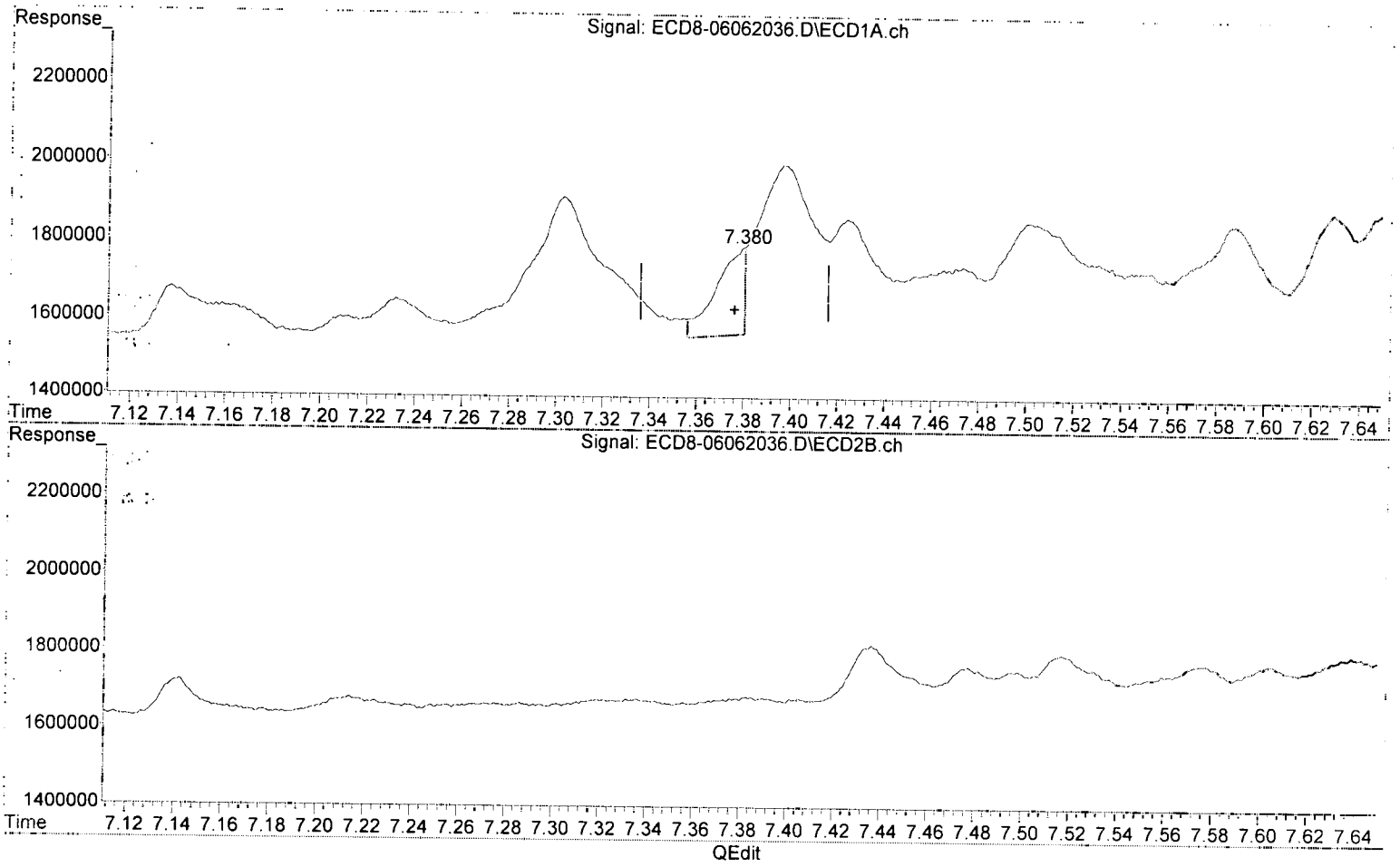
response 372544

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



(36) Toxaphene (1)

7.380min 14.212 ng/mL (m)

response 223232

MJB 6/17/20

(36) Toxaphene (1) #2

8.324min 12.708 ng/mL

response 372544

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

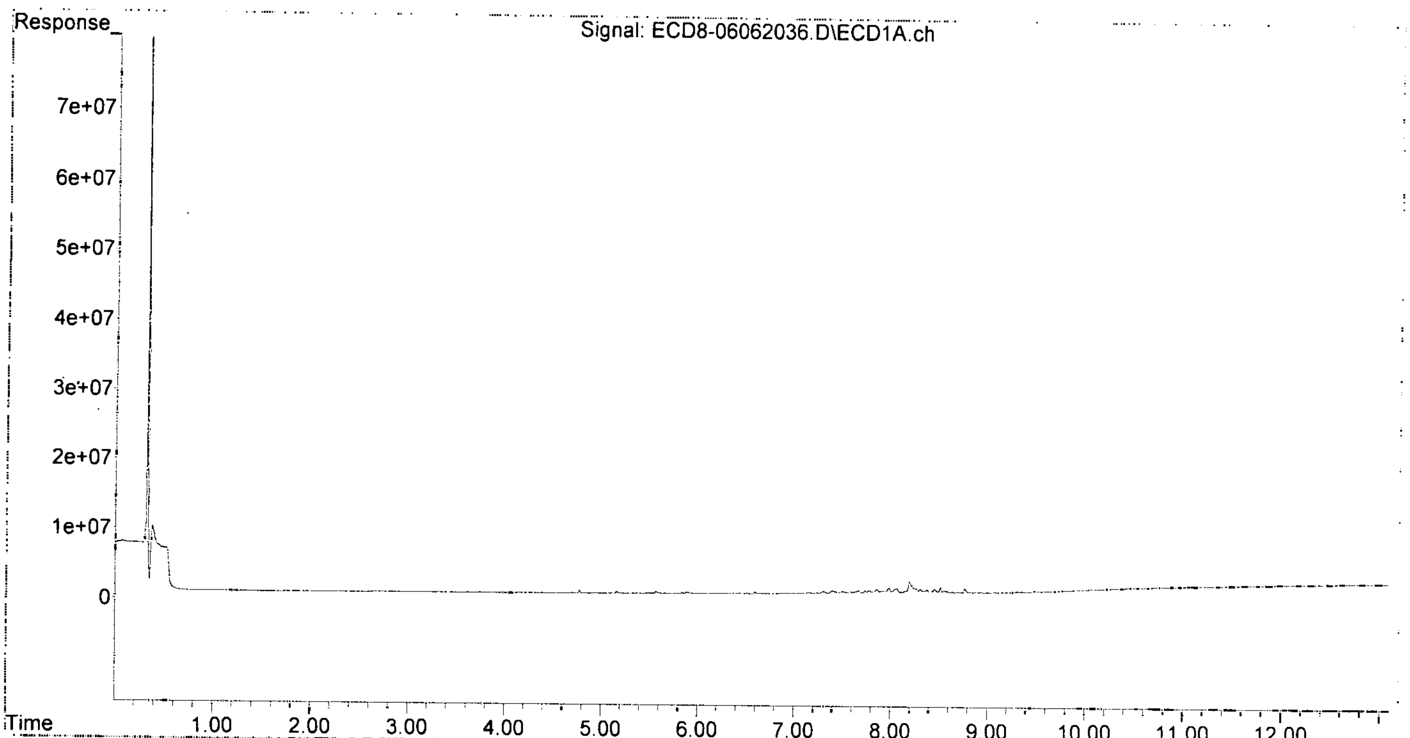
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.397f	8.324	444632	372544	28.308	12.708 #
37)	Toxaphene...	7.671	8.673	428322	454972	13.828	12.326
38)	Toxaphene...	7.982	8.706	866733	737338	13.096	12.482
39)	Toxaphene...	8.222	8.773	1188909	2581320	12.745	17.459 #
40)	Toxaphene...	8.450	8.953	599046	696424	12.706	12.969
41)	Toxaphene...	8.516	9.331	860734	742472	12.830	12.430
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

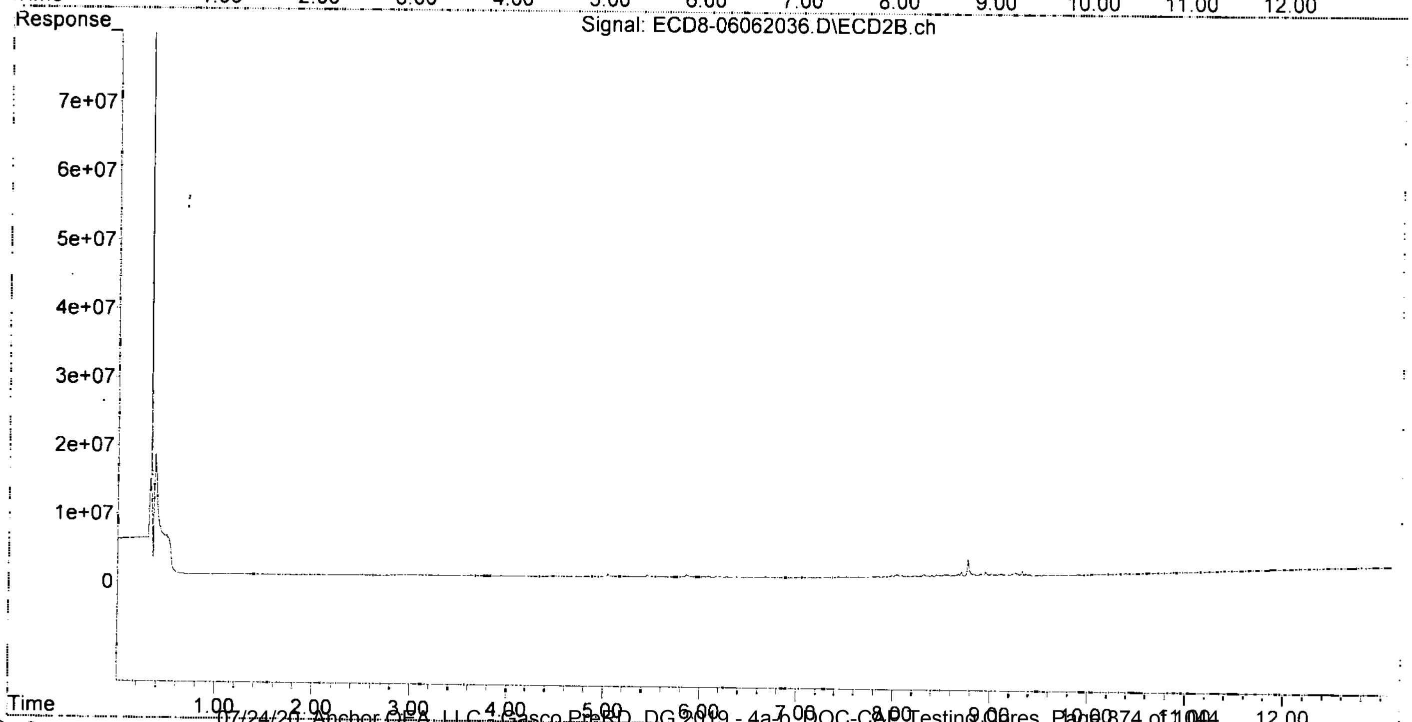
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:23
Operator : MJB
Sample : 0F06008-CALQ
Misc : A20F084, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:49:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:39
Operator : MJB
Sample : 0F06008-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:50:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation

MP 6/17/20

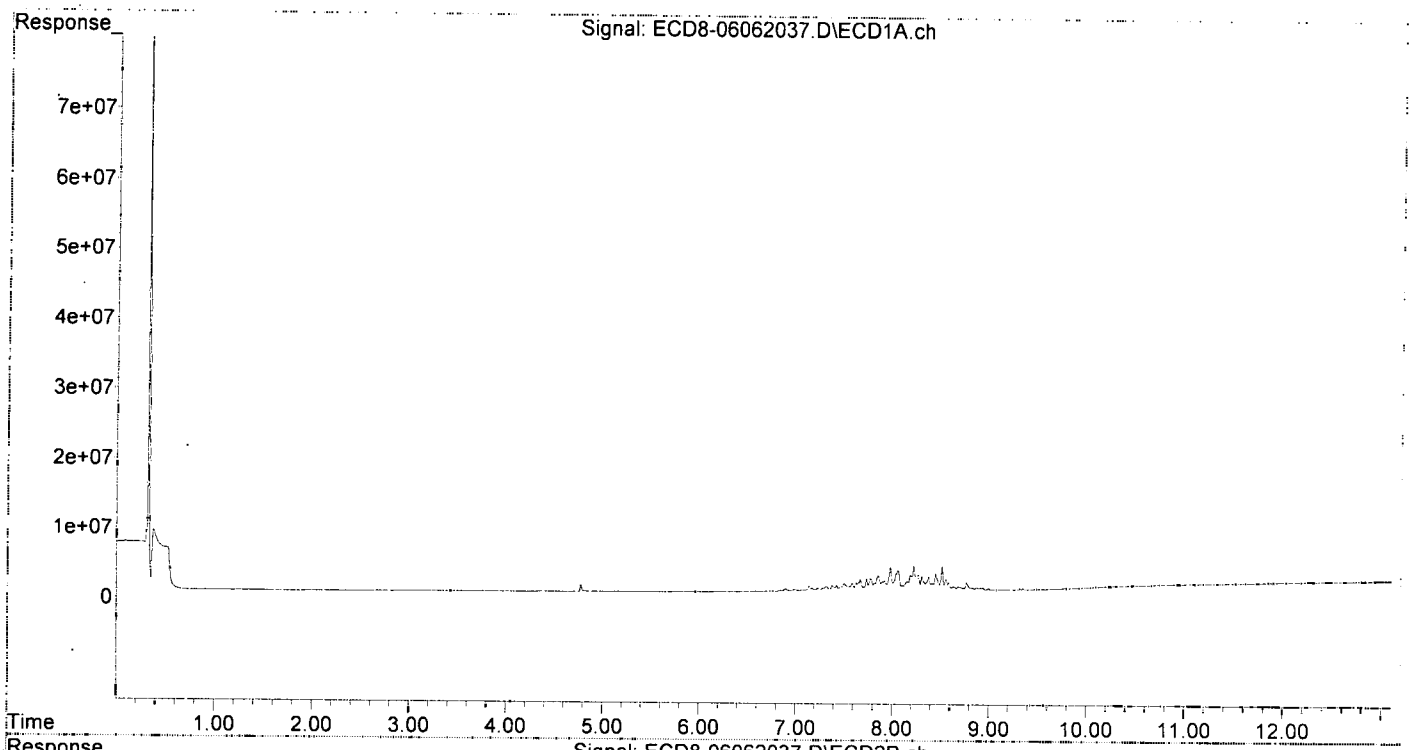
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	7.377	8.324	867007	1668991	55.198	56.930
37)		Toxaphene...	7.671	8.673	1751397	2027364	56.541	54.925
38)		Toxaphene...	7.982	8.706	3429819	3049566	51.823	51.625
39)		Toxaphene...	8.223	8.773	3584023	5845916	52.176	56.488
40)		Toxaphene...	8.450	8.952	2442896	2698078	49.617	50.245
41)		Toxaphene...	8.517	9.330	3477197	3021892	51.829	50.592
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

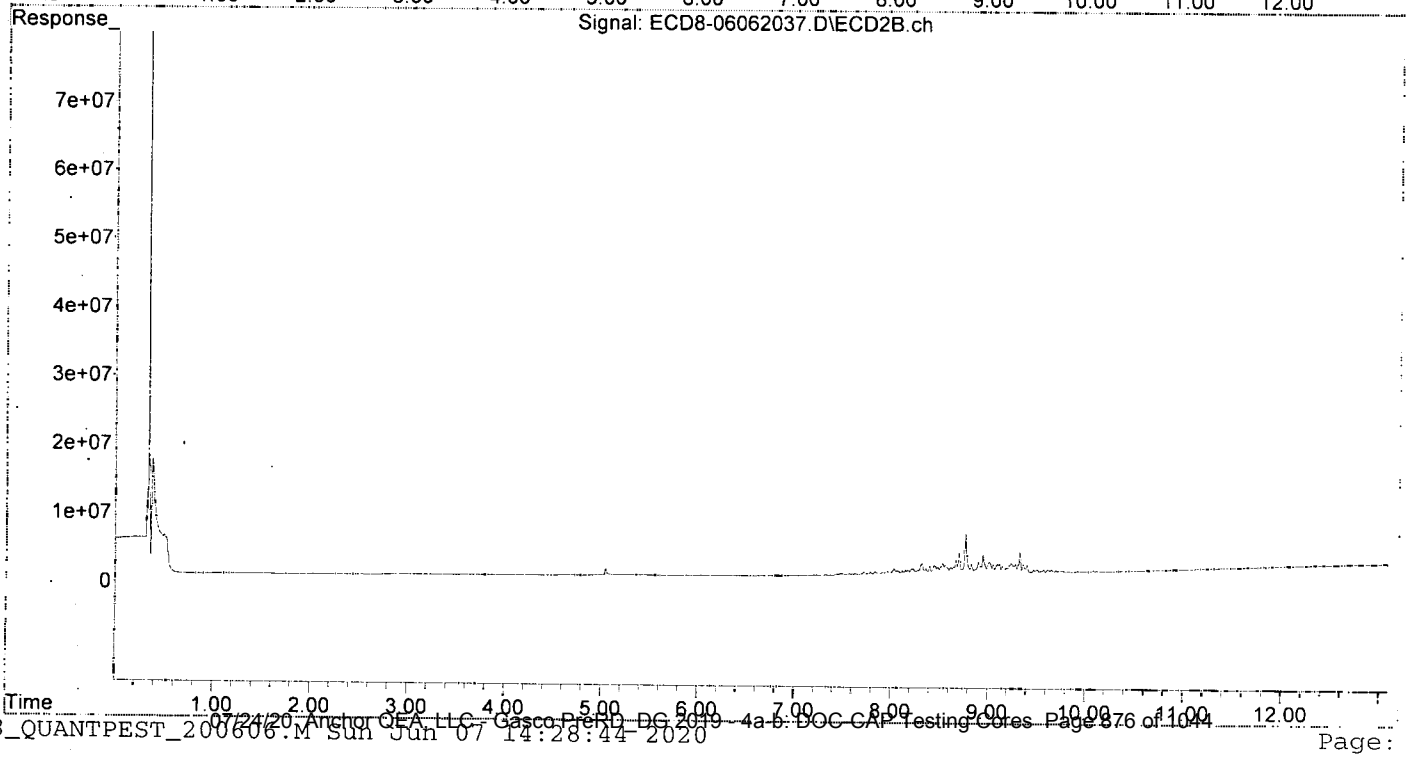
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:39
Operator : MJB
Sample : 0F06008-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:50:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:56
Operator : MJB
Sample : 0F06008-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:51:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

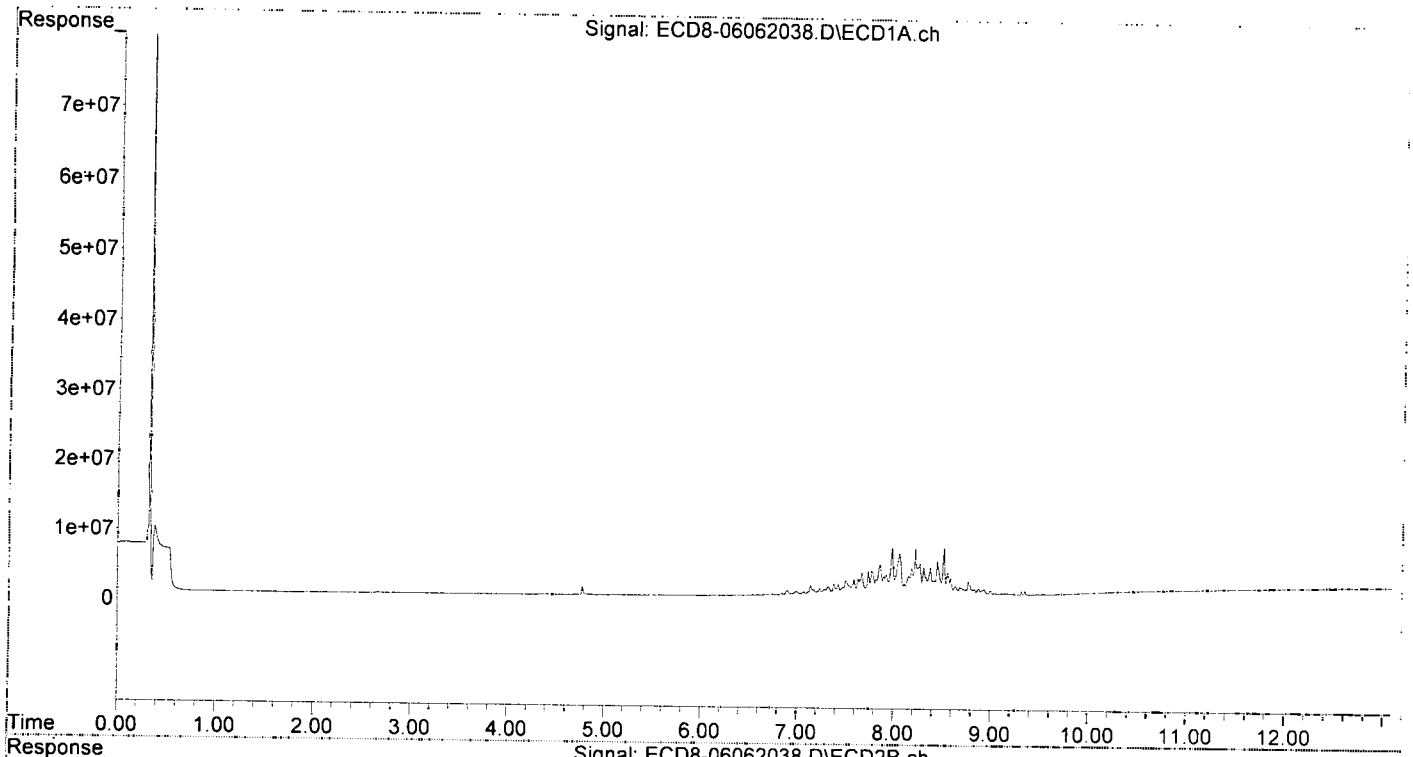
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	7.378	8.323	1661660	3187485	105.790	108.726
37)		Toxaphene...	7.670	8.672	3335225	4059174	107.672	109.971
38)		Toxaphene...	7.981	8.706	6846475	5827857	103.448	98.658
39)		Toxaphene...	8.222	8.773	6690852	10563005	102.955	112.175
40)		Toxaphene...	8.449	8.952	4962066	5383300	99.608	100.251
41)		Toxaphene...	8.516	9.330	6835641	5801758	101.888	97.132
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

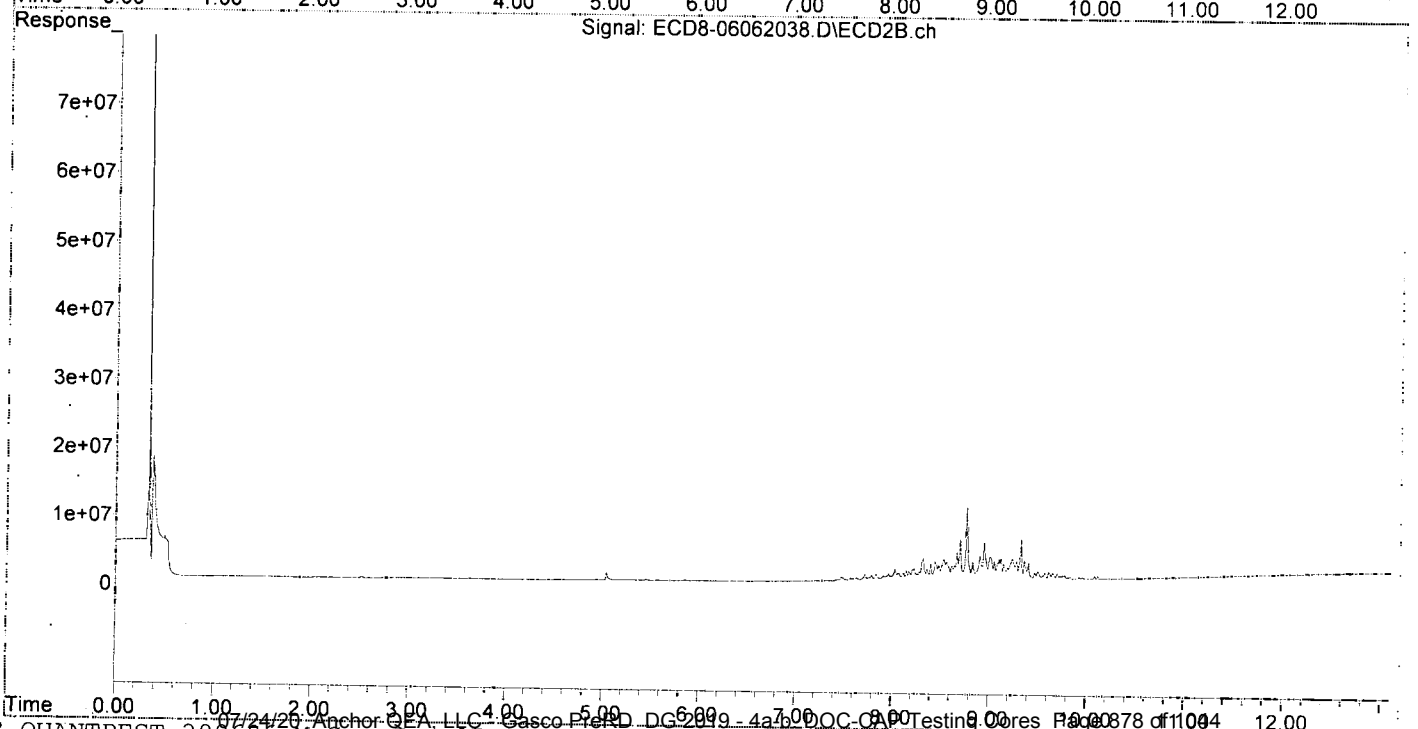
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 00:56
Operator : MJB
Sample : 0F06008-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:51:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:12
Operator : MJB
Sample : 0F06008-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:51:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

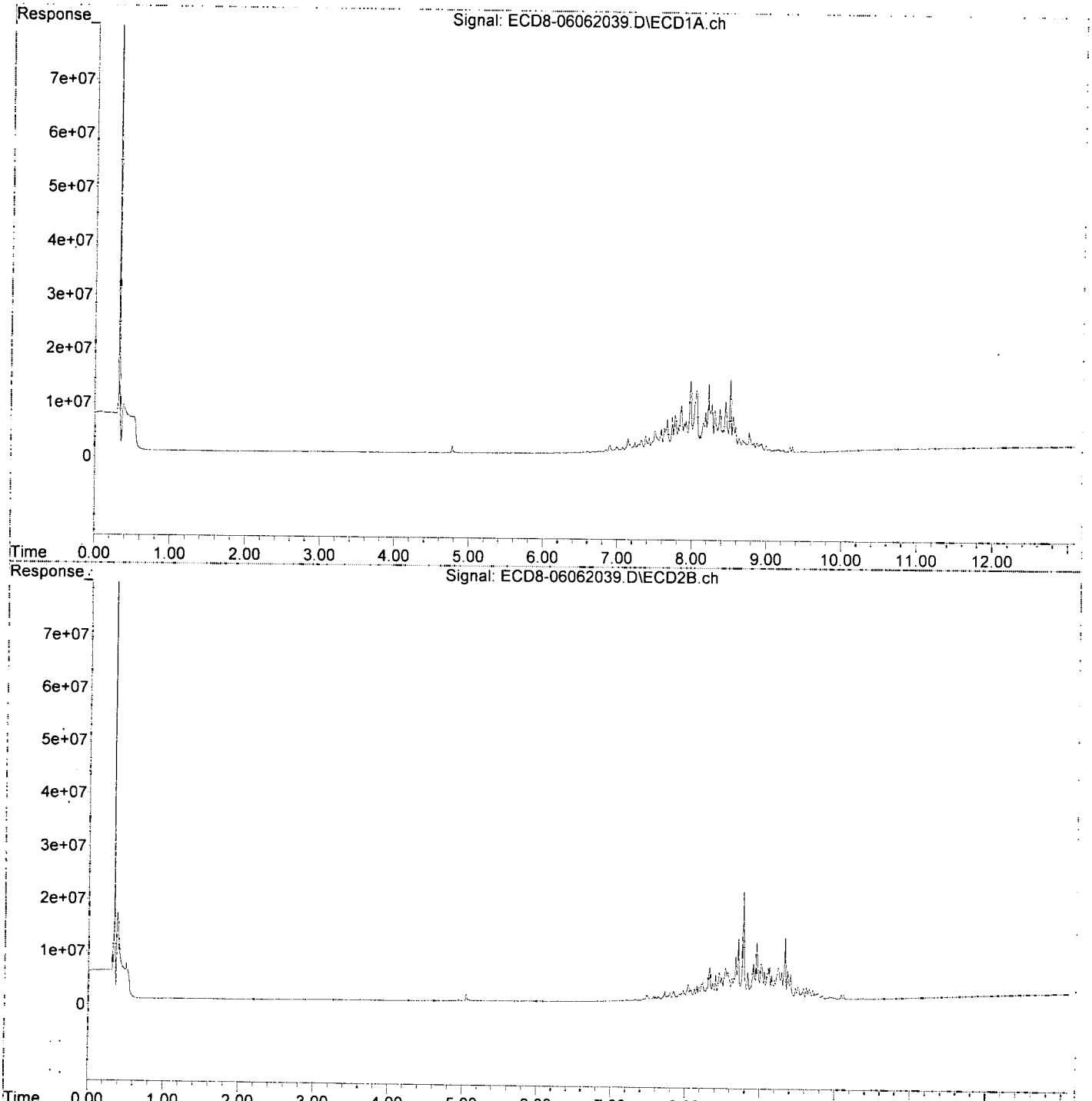
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.376	8.323	3191894	6174593	203.212	210.617
37)	Toxaphene...	7.670	8.672	6236956	8120804	201.350	220.009
38)	Toxaphene...	7.980	8.705	13382025	11658085	202.198	197.356
39)	Toxaphene...	8.223	8.773	12821813	20436846	201.970	226.185
40)	Toxaphene...	8.449	8.952	9567302	10785883	189.731	200.862
41)	Toxaphene...	8.516	9.330	13660201	11724043	203.611	196.281
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:12
Operator : MJB
Sample : 0F06008-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:51:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:29
Operator : MJB
Sample : 0F06008-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:48:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/7/20

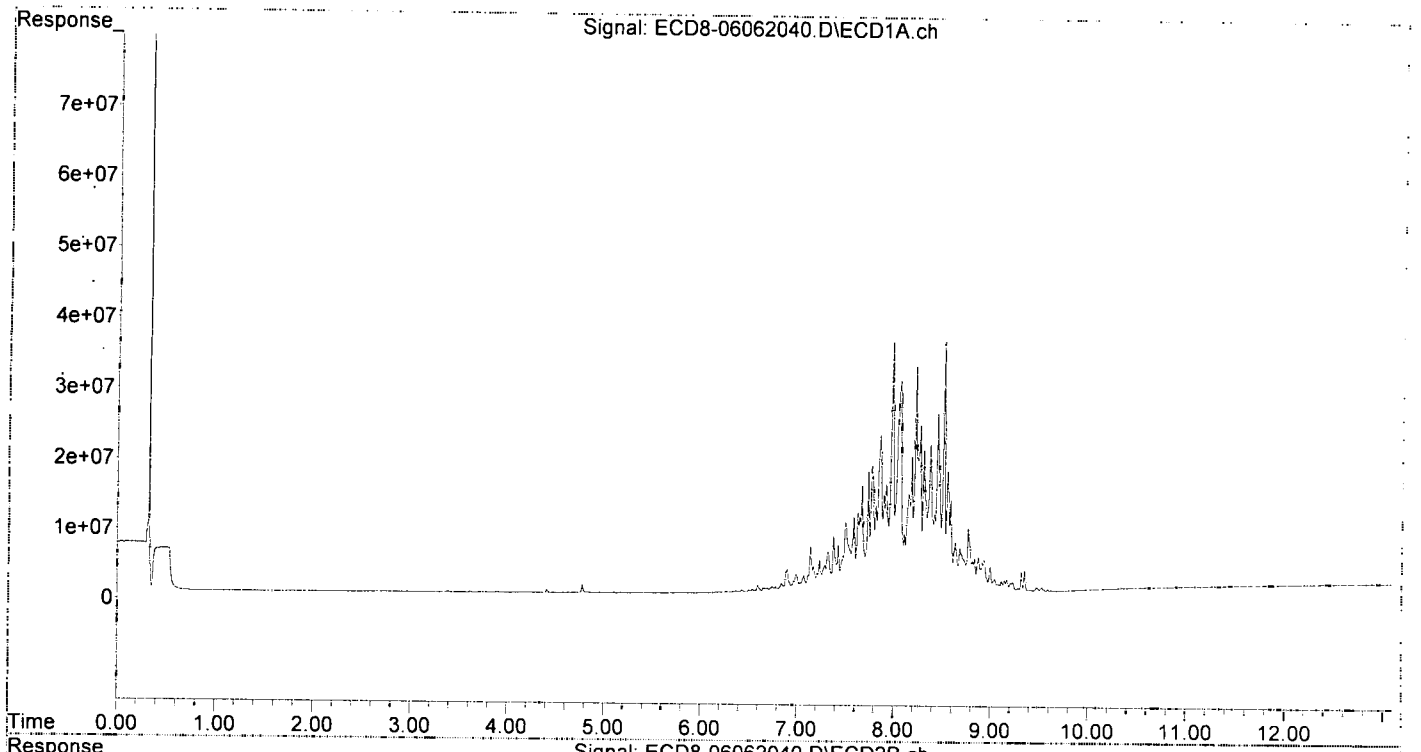
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.376	8.323	7997162	15837804	509.140	540.232
37)	Toxaphene...	7.669	8.671	15296757	20803186	493.831	563.601
38)	Toxaphene...	7.980	8.704	35720189	30150729	539.720	510.413
39)	Toxaphene...	8.221	8.773	32159395	52877394	504.631	579.439
40)	Toxaphene...	8.449	8.951	25484963	28463697	489.686	530.069
41)	Toxaphene...	8.515	9.330	35541888	30904377	529.766	517.394
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

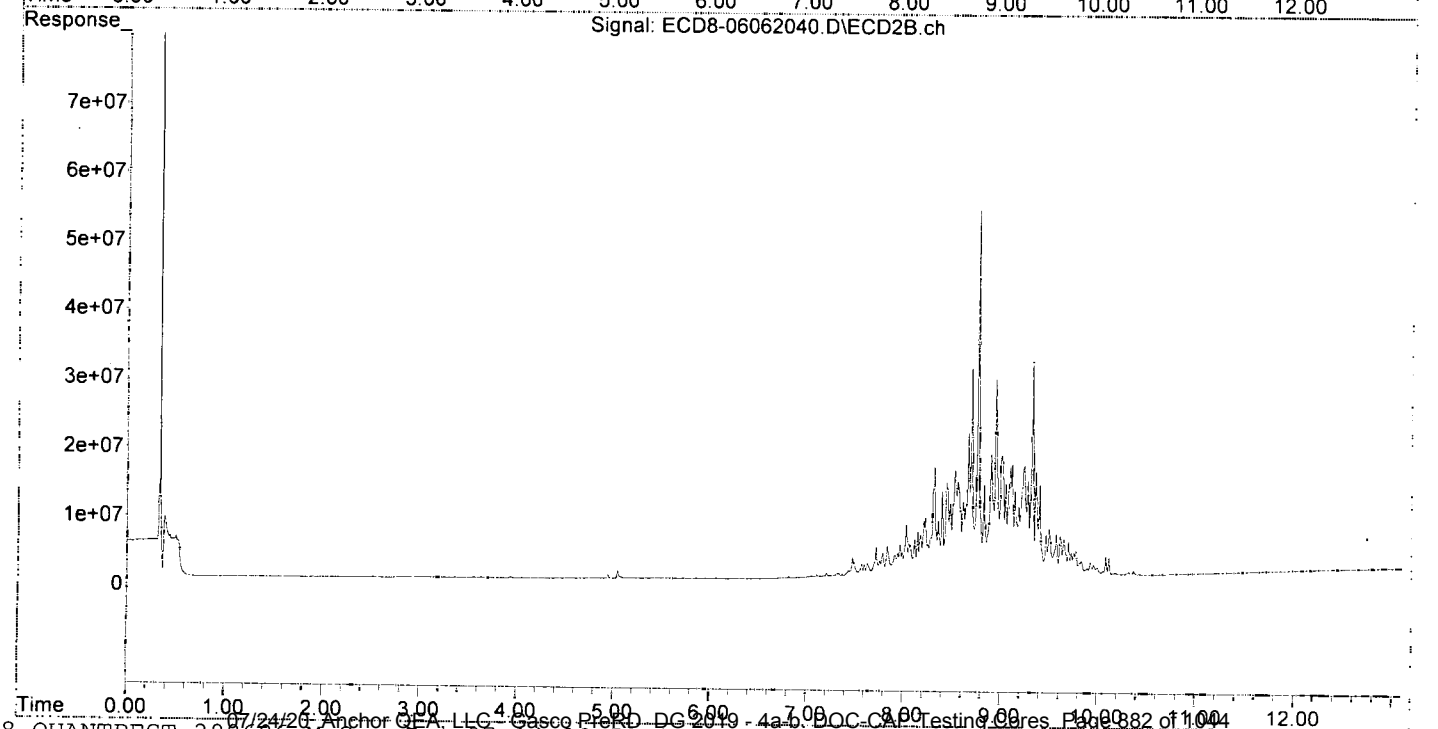
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:29
Operator : MJB
Sample : 0F06008-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:48:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:44:25 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:45
Operator : MJB
Sample : 0F06008-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:52:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

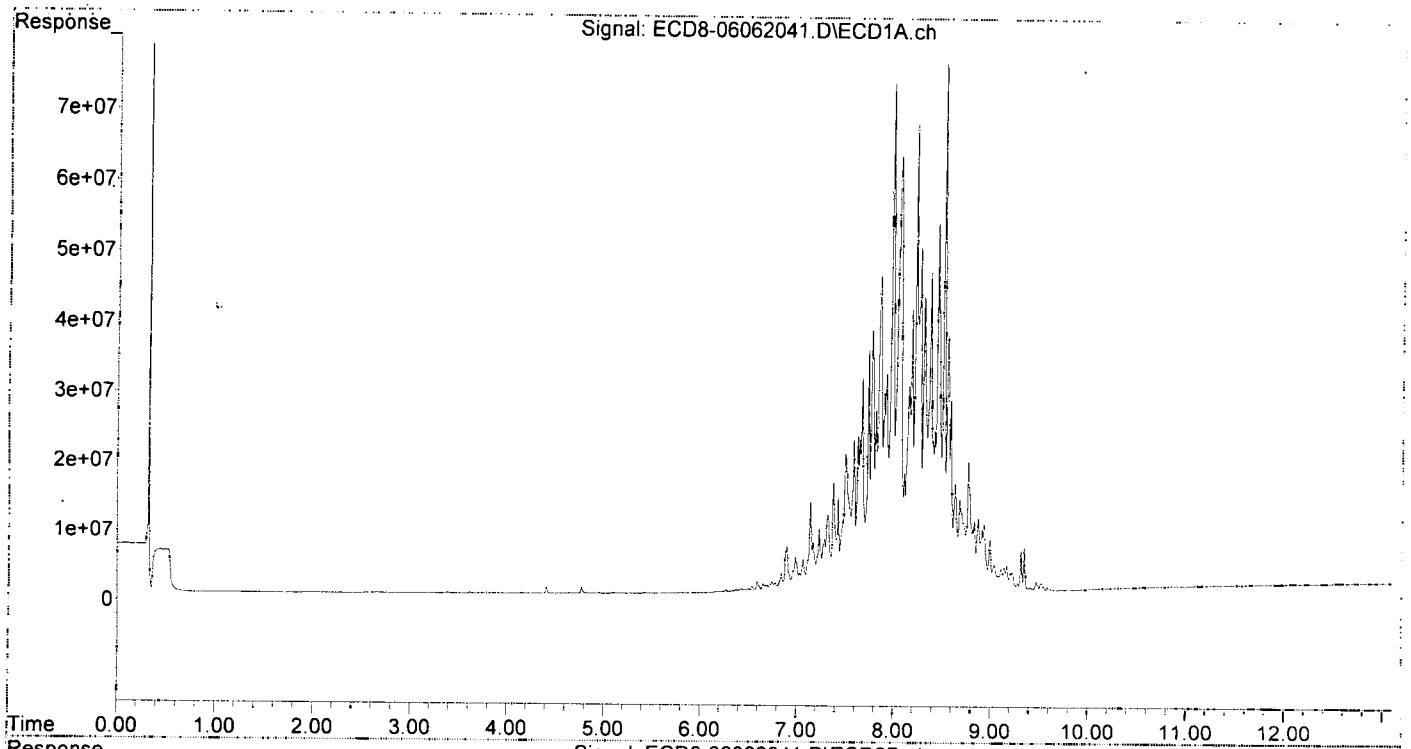
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.376	8.322	15918869	32082992	1013.475	1094.359
37)	Toxaphene...	7.669	8.671	30835026	43558867	995.458	1180.099
38)	Toxaphene...	7.980	8.705	72576238	63344254	1096.603	1072.337
39)	Toxaphene...	8.221	8.773	66825708	108.7E6	1015.288	1126.894
40)	Toxaphene...	8.448	8.951	52844619	58948018	969.673	1097.768
41)	Toxaphene...	8.515	9.330	75158985	66625407	1120.274	1115.428
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

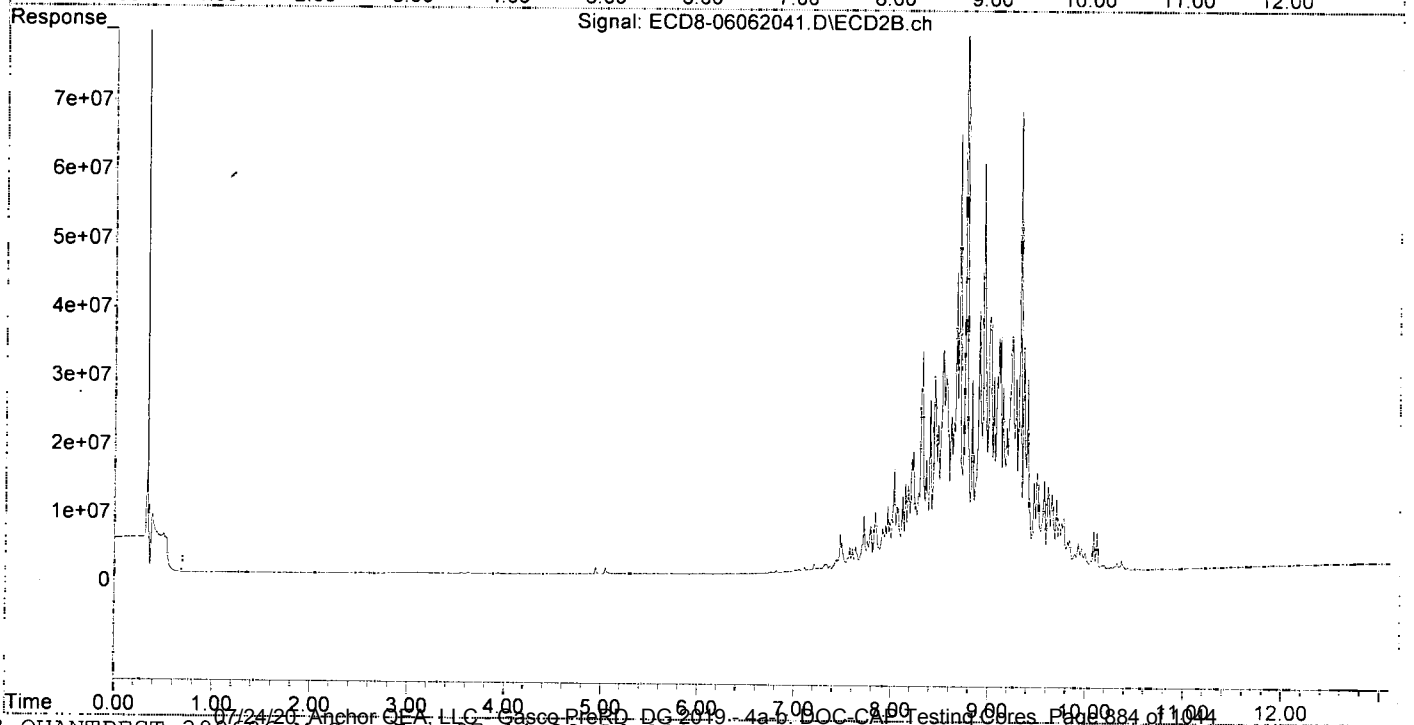
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 1:45
Operator : MJB
Sample : 0F06008-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:52:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:02
Operator : MJB
Sample : 0F06008-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:53:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 6/17/20

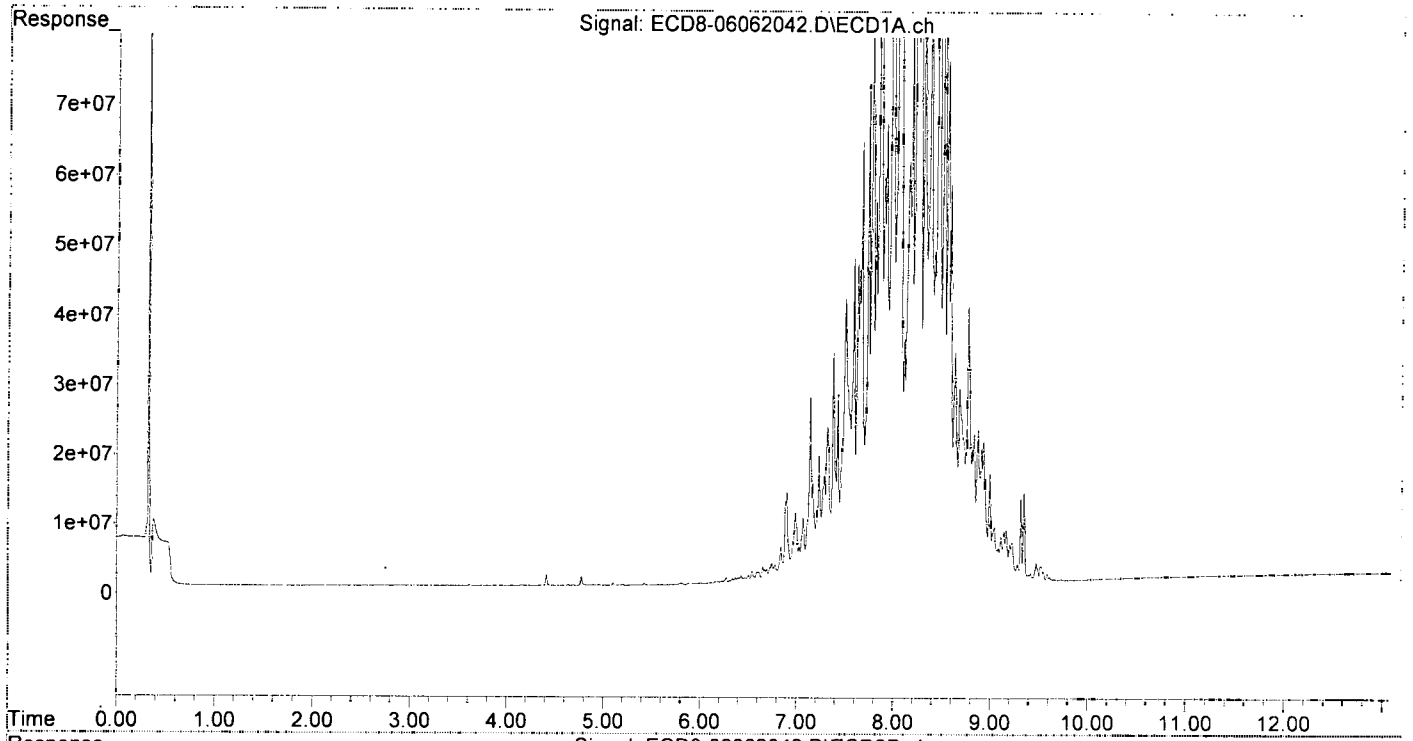
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.375	8.322	33243746	65111902	2116.464	2220.984
37)	Toxaphene...	7.668	8.671	63292655	91375711	2043.299	2475.555
38)	Toxaphene...	7.979	8.704	146.3E6	134.7E6	2210.925	2280.804
39)	Toxaphene...	8.222	8.773	138.0E6	226.7E6	1964.082	2117.749
40)	Toxaphene...	8.448	8.951	109.1E6	127.5E6	1850.671	2375.070 #
41)	Toxaphene...	8.515	9.330	156.1E6	139.9E6	2326.952	2342.609
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

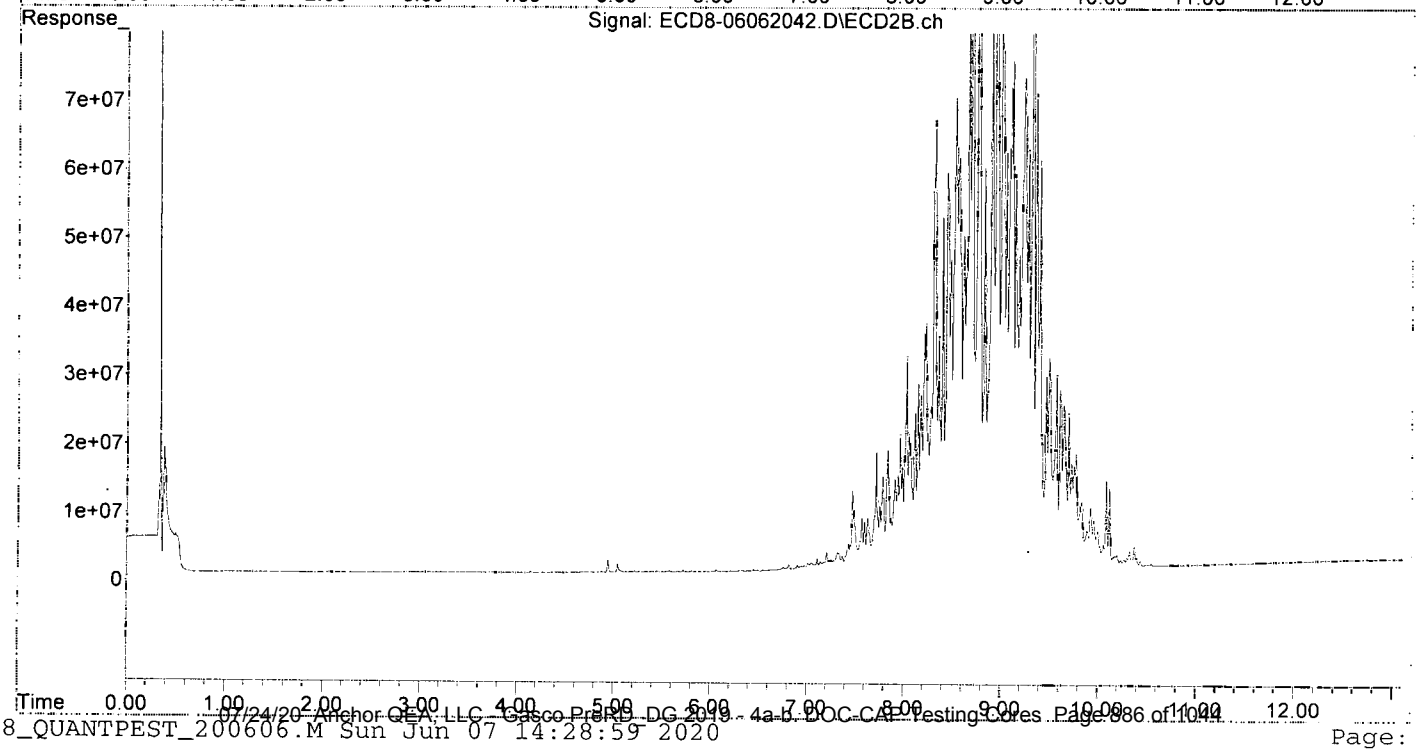
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-06\0F06008\
Data File : ECD8-06062042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 7 Jun 2020 2:02
Operator : MJB
Sample : 0F06008-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 07 13:53:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200606.M
Quant Title : Instrument: DualECD8
QLast Update : Sun Jun 07 13:49:20 2020
Response via : Initial Calibration
Integrator: ChemStation





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 0060858
Sequence 0F26021 (A0F0667-01RE1,02RE1)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060858 (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
	0060858-BLK1		QC	06/26/20 07:12	11	5				100					
	0060858-BS1		QC	06/26/20 07:12	10	5	A20E219		100	100					
	A0F0647-01RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.37	5				100	PDI-149SC-A-01-02-200425	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	0060858-DUP1		QC	06/26/20 07:12	10.37	5		A0F0647-01RE1		100					
	A0F0647-02RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.68	5				100	PDI-149SC-A-02-03-200425	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0647-03RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.2	5				100	PDI-150SC-A-08-09-200425	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0647-04RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.56	5				100	PDI-150SC-A-09-10-200425	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0667-01RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.14	5				100	PDI-063SC-A-06-07-200429	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0667-02RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.79	5				100	PDI-063SC-A-07-08-200429	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0670-01RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.29	5				100	PDI-166SC-A-08-09-200520	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0670-01RE2	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.29	5				100	PDI-166SC-A-08-09-200520	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0670-02RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.35	5				100	PDI-166SC-A-09-10-200520	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0670-03RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.23	5				100	PDI-166SC-A-10-11.2-200520	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	A0F0670-03RE2	A	8270D LL PAH Only (Scan)	06/26/20 07:12	10.23	5				100	PDI-166SC-A-10-11.2-200520	Due to apparent sample switch. Re-extract added 6/25/2020 by jk			
	0060858-MS1		QC	06/26/20 07:12	10.18	5	A20E219	A0F0670-03RE2	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A18L176	11/30/23	Balance s/n 1701A109
A20B017	08/01/20	Glass Wool
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F023	11/29/22	Sodium Sulfate Lot # 196476

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E219	08/01/20	LVI PAH Spike @2000ng/ml

Surrogate(s)

Std ID	Exp. Date	Description
A20E263	11/08/20	8270E LL PAH Only Surr. (5ppm)

Prepared By: Date

Reviewed By: 6/29/20 Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060858 (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	0060858-BLK1		QC	06/26/20 07:12	~~10~~ 11	5				100					
2	0060858-BS1		QC	06/26/20 07:12	10	5	A20E219		100	100					
3	A0F0647-01RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.37	5				100	PDI-149SC-A-01 -02-200425	Due to apparent sample switch. Re-extract added 6/25/2020 by jk send			
4	0060858-DUP1		QC	06/26/20 07:12	~~10~~ 10.37	5		A0F0647-01RE1		100		send			
5	A0F0647-02RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.68	5				100	PDI-149SC-A-02 -03-200425	Due to apparent sample switch. Re-extract added 6/25/2020 by jk send			
6	A0F0647-03RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.20	5				100	PDI-150SC-A-08 -09-200425	Due to apparent sample switch. Re-extract added 6/25/2020 by jk send			
7	A0F0647-04RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.56	5				100	PDI-150SC-A-09 -10-200425	Due to apparent sample switch. Re-extract added 6/25/2020 by jk send			
8	A0F0667-01RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.14	5				100	PDI-063SC-A-06 -07-200429	Due to apparent sample switch. Re-extract added 6/25/2020 by jk mud,org			
9	A0F0667-02RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.79	5				100	PDI-063SC-A-07 -08-200429	Due to apparent sample switch. Re-extract added 6/25/2020 by jk mud			
10	A0F0670-01RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.29	5				100	PDI-166SC-A-08 -09-200520	Due to apparent sample switch. Re-extract added 6/25/2020 by jk mud,org			
11	A0F0670-02RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.35	5				100	PDI-166SC-A-09 -10-200520	Due to apparent sample switch. Re-extract added 6/25/2020 by jk mud,org			
12	A0F0670-03RE1	A	8270D LL PAH Only (Scan)	06/26/20 07:12	~~10~~ 10.23	5				100	PDI-166SC-A-10 -11.2-200520	Due to apparent sample switch. Re-extract added 6/25/2020 by jk mud,org			
13	0060858-MS1		QC	06/26/20 07:12	~~10~~ 10.18	5	A20E219	A0F0670-03RE1	100	100		mud,org			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
~~A13L219~~	~~11/30/23~~	~~Extractions Balance~~
A20B017	08/01/20	Glass Wool
A20E143	11/09/20	DCM CHEM PROD. DY726-US
A20F023	11/29/22	Sodium Sulfate Lot # 196476

JAG 6/26/2020

A13L176 11/30/23

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E219	08/01/20	LVI PAH Spike @2000ng/ml

JAG

Surrogate(s)

Std ID	Exp. Date	Description
A20E263	11/08/20	8270E LL PAH Only Surr. (5ppm)

JAG

Method 3546 digestion time and temperture achieved.

Initial: JAG

Witness: CAL 6/26/20

JAG 6/26/2020
Prepared By: Date

JAG 06/26/2020
Reviewed By: Date

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

HML 06/29/20

Sequence:	0F26021	Instrument:	SV-GCMS14
Date:	**06/26/20 08:04**	Calibration:	**A0D0804**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F26021-TUN1	Soil	QC	QC			A20F043	A20F269
2	0F26021-CCV1	Soil	QC	QC			A20F043	A20C472
3	0F26021-CCB1	Soil	QC	QC			A20F043	
4	0060858-BLK1	Sediment	QC	QC		0060858	A20F043	
5	0060858-BS1	Sediment	QC	QC		0060858	A20F043	
6	A0F0647-01RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
7	0060858-DUP1	Sediment	QC	QC		0060858	A20F043	
8	A0F0670-03RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
9	A0F0647-02RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
10	A0F0647-03RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
11	A0F0647-04RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
12	A0F0667-01RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
13	A0F0667-02RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
14	A0F0670-01RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
15	A0F0670-02RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
16	A0F0670-01RE2	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
17	A0F0670-03RE2	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	07/08/20	0060858	A20F043	
18	0060858-MS1	Sediment	QC	QC		0060858	A20F043	
19	0F26021-IBL1	Soil	QC	QC			A20F043	

Data Entered By/Date: HML 06/29/20 Comments:

Data Reviewed By/Date: JK 6/29/20

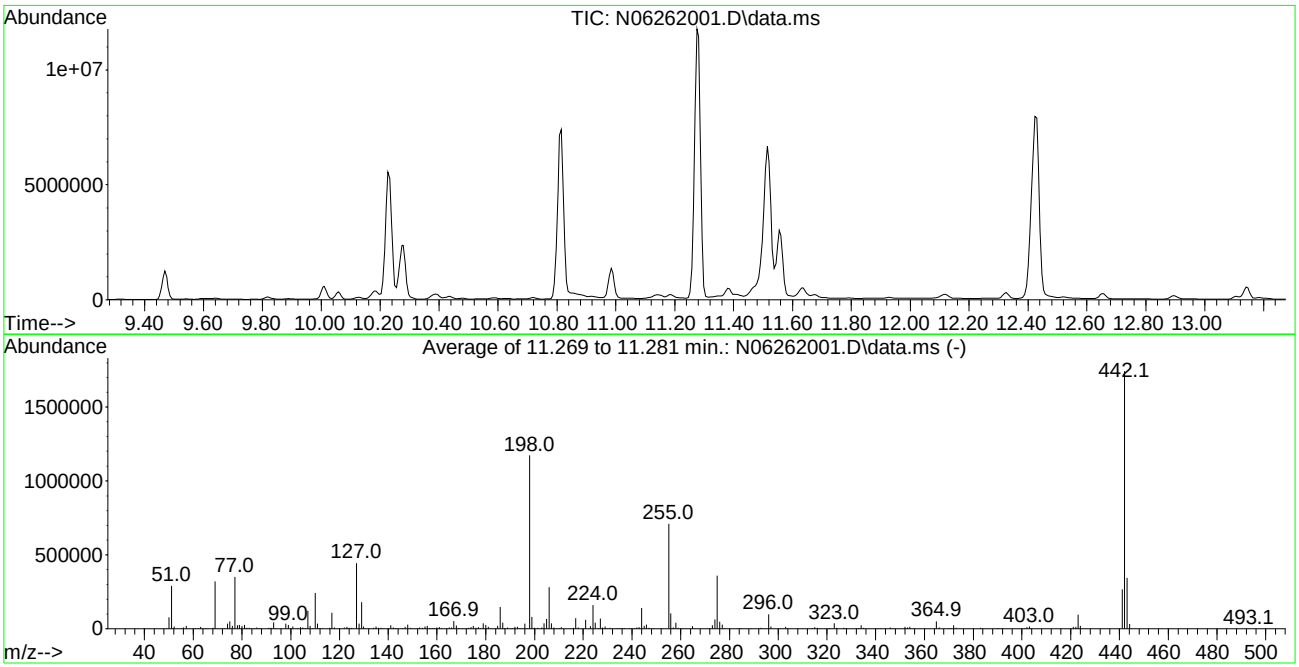
6/29/2020 1:11:25PM

HML 06/29/20

Data Path : R:\data\2020-06\0F26021\
Data File : N06262001.D
Acq On : 26 Jun 2020 08:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-TUN1
Misc : 1x, A20F269 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : R:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Thu Jun 25 12:53:40 2020



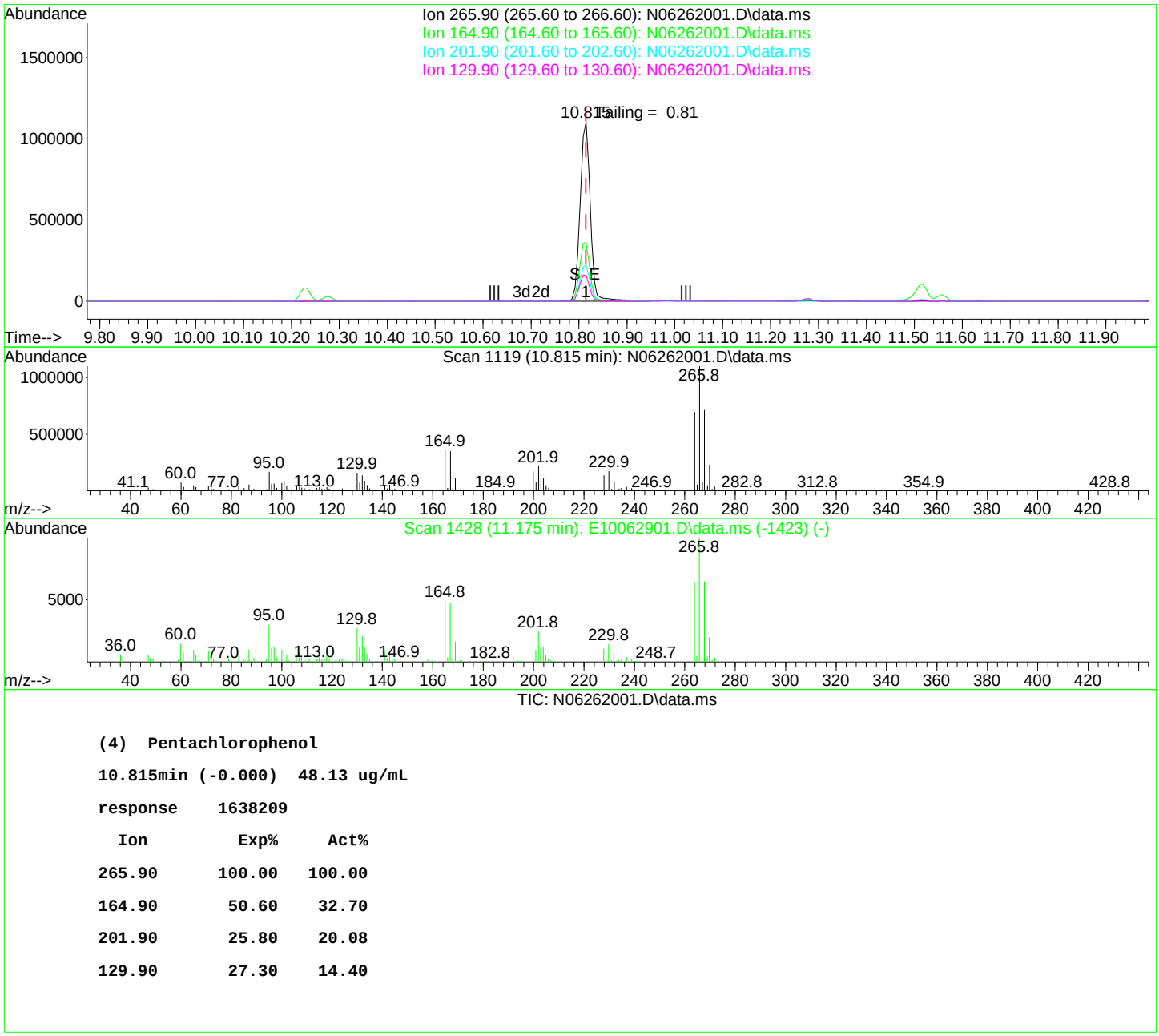
AutoFind: Scans 1197, 1198, 1199; Background Corrected with Scan 1191

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	6192	PASS
69	69	100	100	100.0	319741	PASS
70	69	0.00	2	0.5	1535	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1173271	PASS
199	198	5	9	6.8	79620	PASS
365	198	1	100	4.3	50893	PASS
441	443	0.01	150	77.3	265621	PASS
442	198	0.10	200	148.6	1743872	PASS
443	442	15	24	19.7	343403	PASS

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262001.D
Acq On : 26 Jun 2020 08:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-TUN1
Misc : 1x, A20F269 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 08:40:21 2020
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Jun 25 12:53:40 2020
Response via : Initial Calibration



TIC: N06262001.D\data.ms

(4) Pentachlorophenol

10.815min (-0.000) 48.13 ug/mL

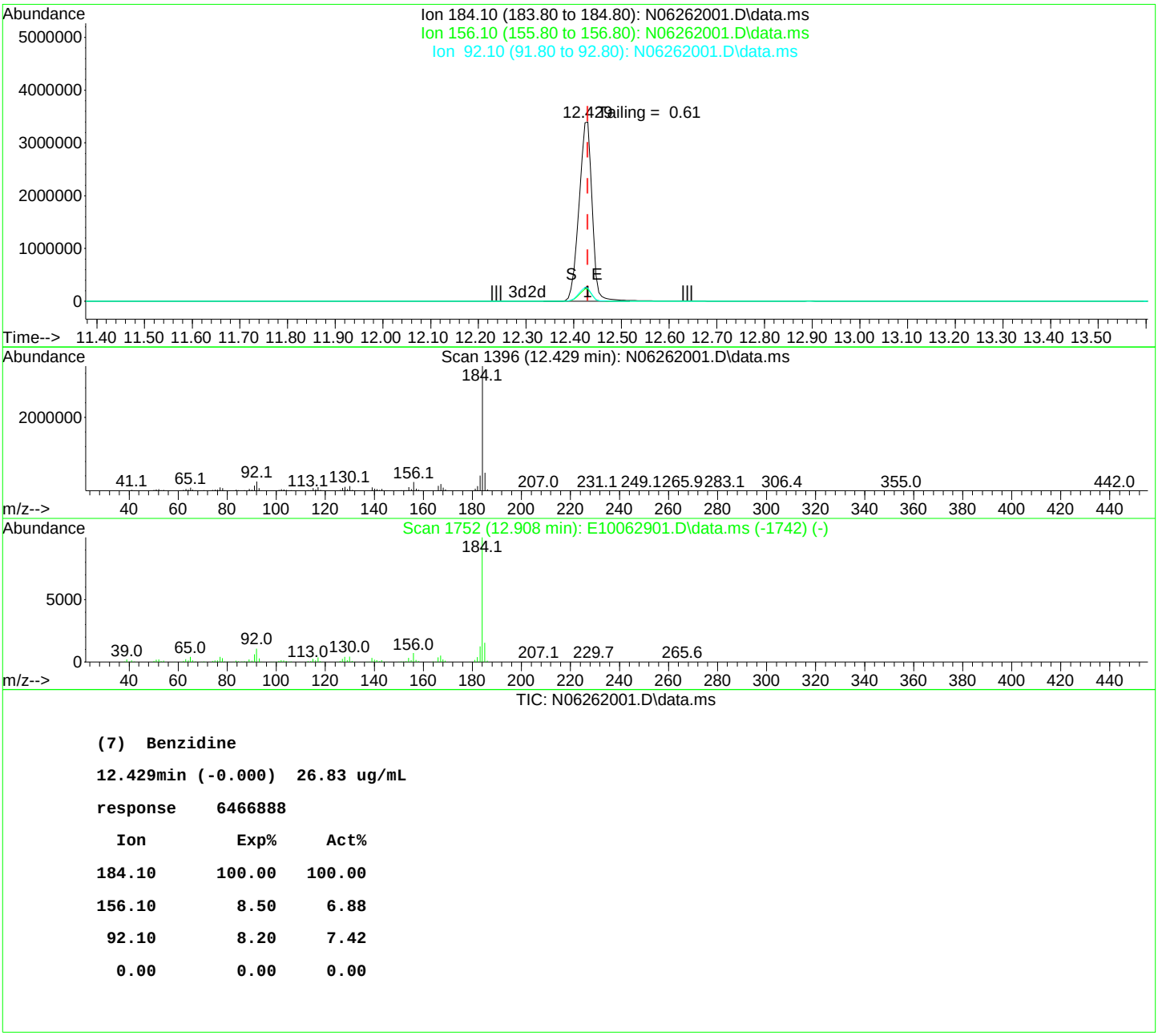
response 1638209

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	32.70
201.90	25.80	20.08
129.90	27.30	14.40

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262001.D
Acq On : 26 Jun 2020 08:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-TUN1
Misc : 1x, A20F269 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 08:40:21 2020
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Jun 25 12:53:40 2020
Response via : Initial Calibration



TIC: N06262001.D\data.ms

(7) Benzidine

12.429min (-0.000) 26.83 ug/mL

response 6466888

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.88
92.10	8.20	7.42
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:
0F26021-TUN1
SV-GCMS 14

First Column Area Counts		Percent Breakdown	
DDE	350807		
DDD	769210		
DDT	20117822	**5.27**	**PASS**

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262001.D
Acq On : 26 Jun 2020 08:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-TUN1
Misc : 1x, A20F269 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 29 09:15:40 2020
Quant Method : R:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Jun 25 12:53:40 2020
Response via : Initial Calibration

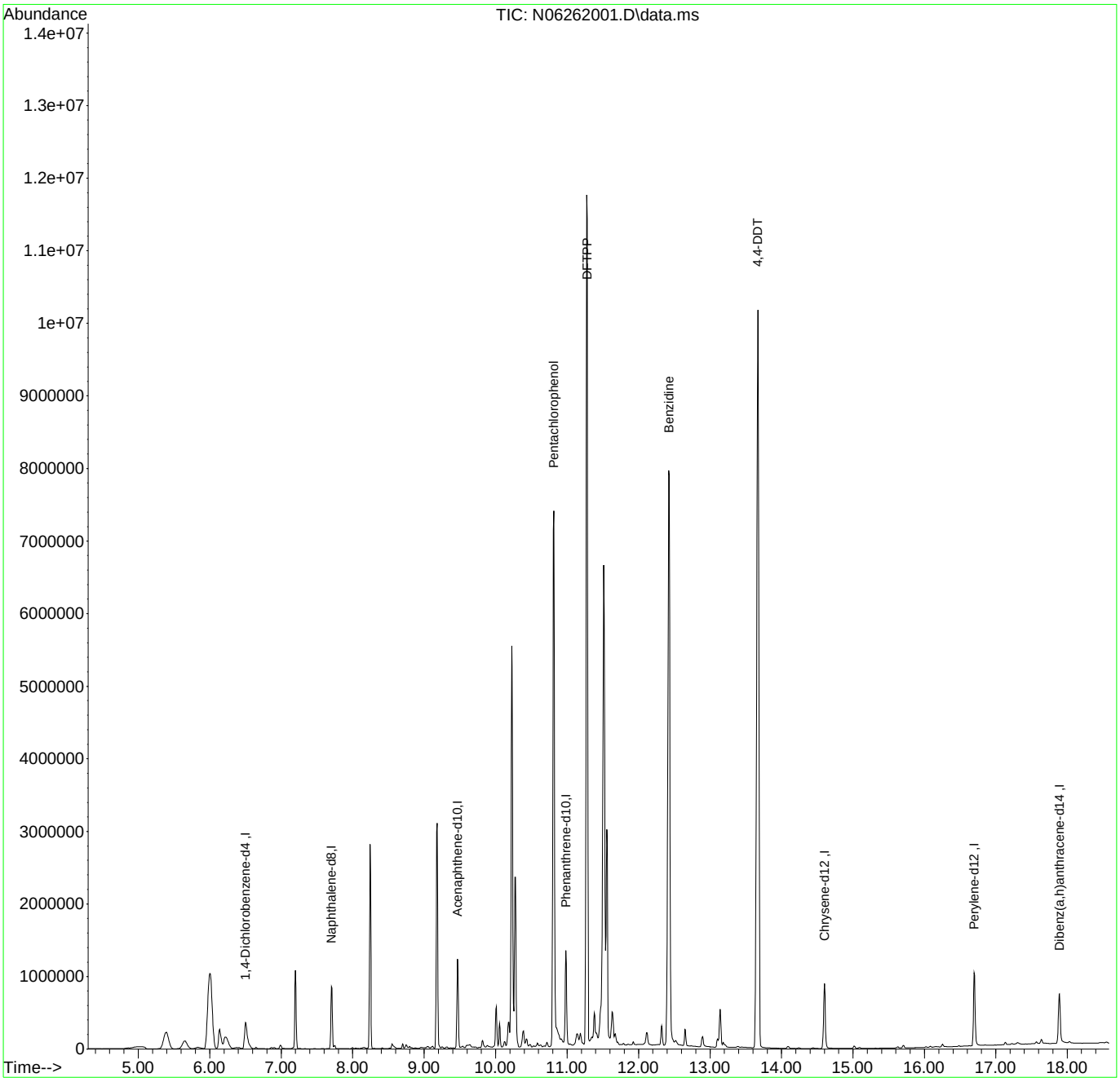
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.502	150	213324	2.00	ug/mL		0.00
2) Naphthalene-d8	7.702	136	610091	2.00	ug/mL		0.00
3) Acenaphthene-d10	9.468	162	360450	2.00	ug/mL		0.00
5) Phenanthrene-d10	10.984	188	677639	2.00	ug/mL		0.00
11) Chrysene-d12	14.603	240	617872	2.00	ug/mL		0.00
12) Perylene-d12	16.696	264	598439	2.00	ug/mL		0.00
13) Dibenz(a,h)anthracene-...	17.891	292	541104	2.00	ug/mL	#	0.00
Target Compounds							Qvalue
4) Pentachlorophenol	10.815	266	1638209	48.13	ug/mL		78
6) DFTPP	11.281	442	2908828	53.17	ug/mL	#	62
7) Benzidine	12.429	184	6466888	26.83	ug/mL		97
8) 4,4-DDE	12.651	TIC	350807	No Calib			
9) 4,4-DDD	13.140	TIC	769210	No Calib			
10) 4,4-DDT	13.671	TIC	20117822	28.95	ug/mL		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262001.D
Acq On : 26 Jun 2020 08:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-TUN1
Misc : 1x, A20F269 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 29 09:15:40 2020
Quant Method : R:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Jun 25 12:53:40 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

HML 06/29/20

Data Path : R:\data\2020-06\0F26021\
Data File : N06262002.D
Acq On : 26 Jun 2020 08:46 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCV1
Misc : 1x, A20C472@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 09:12:18 2020
Quant Method : M:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 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	89	0.00
2	S	Nitrobenzene-d5 (Surr)	50.000	46.342	7.3	85	0.00
3	T	Decalin	50.000	46.343	7.3	87	0.00
4	T	Naphthalene	50.000	47.984	4.0	87	0.00
5	T	2-Methylnaphthalene	50.000	51.083	-2.2	90	0.00
6	T	1-Methylnaphthalene	50.000	51.532	-3.1	90	0.00
7	T	1,1'-Biphenyl	50.000	51.946	-3.9	93	0.00
8	T	2,6-Dimethylnaphthalene	50.000	55.923	-11.8	100	0.00
9	I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	101	0.00
10	S	2-Fluorobiphenyl (Surr)	50.000	47.938	4.1	97	0.00
11	T	Acenaphthylene	50.000	52.012	-4.0	102	0.00
12	T	Acenaphthene	50.000	48.624	2.8	98	0.00
13	T	Dibenzofuran	50.000	49.424	1.2	100	0.00
14	T	1,6,7-Trimethylnaphthalene	50.000	52.675	-5.3	108	0.00
15	T	Fluorene	50.000	50.688	-1.4	105	0.00
16	I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	108	0.00
17	T	Dibenzothiopene	50.000	50.289	-0.6	107	0.00
18	T	Phenanthrene	50.000	48.192	3.6	105	0.00
19	T	Anthracene	50.000	52.168	-4.3	111	0.00
20	T	Carbazole	50.000	47.780	4.4	98	0.00
21	T	1-Methylphenanthrene	50.000	52.417	-4.8	110	0.00
22	T	Fluoranthene	50.000	51.392	-2.8	110	0.00
23	I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	89	0.00
24	T	Pyrene	50.000	57.723	-15.4	107	0.00
25	S	Terphenyl-d14 (Surr)	50.000	53.227	-6.5	94	0.00
26	T	Benz(a)anthracene	50.000	48.994	2.0	91	0.00
27	T	Chrysene	50.000	48.345	3.3	86	0.00
28	I	Perylene-d12 (ISTD)	100.000	100.000	0.0	83	0.00
29	T	Benzo(b)fluoranthene	50.000	52.102	-4.2	89	0.00
30	T	Benzo(k)fluoranthene	50.000	52.164	-4.3	86	0.00

Evaluate Continuing Calibration Report

Data Path : R:\data\2020-06\0F26021\
Data File : N06262002.D
Acq On : 26 Jun 2020 08:46 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCV1
Misc : 1x, A20C472@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 09:12:18 2020
Quant Method : M:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
31	T	Benzo(b+k)fluoranthene	100.000	103.833	-3.8	87	0.00
32	T	Benzo(e)pyrene	50.000	49.258	1.5	84	0.00
33	T	Benzo(a)pyrene	50.000	56.074	-12.1	87	0.00
34	T	Perylene	50.000	52.925	-5.8	81	0.00
35	I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	88	0.00
36	T	Indeno(1,2,3-cd)Pyrene	50.000	50.258	-0.5	90	0.00
37	T	Dibenz(a,h)anthracene	50.000	51.524	-3.0	91	0.00
38	T	Benzo(g,h,i)perylene	50.000	48.471	3.1	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262002.D
Acq On : 26 Jun 2020 08:46 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCV1
Misc : 1x, A20C472@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 09:20:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.761	136	234949	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.515	162	147969	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	260384	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.691	240	211764	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.153	264	192806	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.543	292	167904	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.067	82	34013	46.34	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.828	172	109818	47.94	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.768	244	108908	53.23	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.236	138	8706	46.34	ng/ml	82
4) Naphthalene	7.784	128	122791	47.98	ng/ml	99
5) 2-Methylnaphthalene	8.466	142	87773	51.08	ng/ml	97
6) 1-Methylnaphthalene	8.565	142	87917	51.53	ng/ml	96
7) 1,1'-Biphenyl	8.932	154	112499	51.95	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.090	156	83085	55.92	ng/ml	97
11) Acenaphthylene	9.375	152	143508	52.01	ng/ml	99
12) Acenaphthene	9.550	153	98415	48.62	ng/ml	99
13) Dibenzofuran	9.725	168	121079	49.42	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.935	170	83545	52.68	ng/ml	100
15) Fluorene	10.069	166	98645	50.69	ng/ml	98
17) Dibenzothiopene	10.920	184	132328	50.29	ng/ml	93
18) Phenanthrene	11.048	178	144438	48.19	ng/ml	99
19) Anthracene	11.101	178	128051	52.17	ng/ml	99
20) Carbazole	11.270	167	101251	47.78	ng/ml	98
21) 1-Methylphenanthrene	11.672	192	105940	52.42	ng/ml	99
22) Fluoranthene	12.296	202	151804	51.39	ng/ml	96
24) Pyrene	12.575	202	158548	57.72	ng/ml	99
26) Benz(a)anthracene	14.668	228	107593	48.99	ng/ml	99
27) Chrysene	14.749	228	109191	48.34	ng/ml	100
29) Benzo(b)fluoranthene	17.244	252	103849	52.10	ng/ml	92
30) Benzo(k)fluoranthene	17.314	252	103650	52.16	ng/ml	91
31) Benzo(b+k)fluoranthene	17.314	252	217626	103.83	ng/ml	91
32) Benzo(e)pyrene	17.897	252	102659	49.26	ng/ml	98

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262002.D
Acq On : 26 Jun 2020 08:46 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCV1
Misc : 1x, A20C472@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 09:20:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

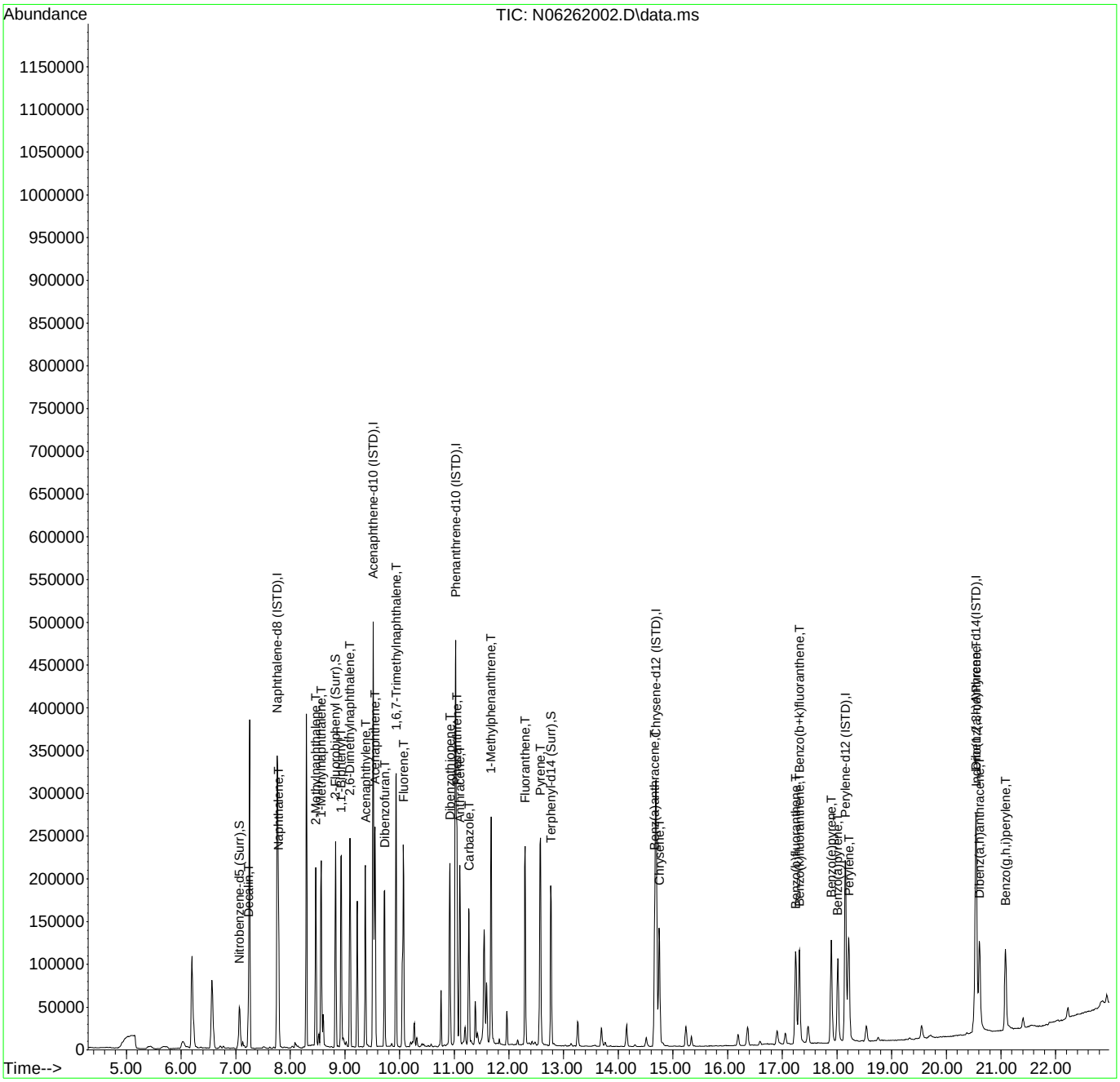
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.013	252	89717	56.07	ng/ml	96
34) Perylene	18.217	252	113577	52.92	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.549	276	91665	50.26	ng/ml	76
37) Dibenz(a,h)anthracene	20.607	278	94761	51.52	ng/ml	80
38) Benzo(g,h,i)perylene	21.085	276	94834	48.47	ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262002.D
Acq On : 26 Jun 2020 08:46 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCV1
Misc : 1x, A20C472@50
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 09:20:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed) HML 06/29/20

Data Path : R:\data\2020-06\0F26021\
Data File : N06262003.D
Acq On : 26 Jun 2020 09:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 09:22:27 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.761	136	230562	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.515	162	143986	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	221845	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.691	240	190370	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.153	264	184980	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.537	292	170769	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml	
10) 2-Fluorobiphenyl (Surr)	8.827	172	56	0.03	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.767	244	55	0.03	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.790	128	258	N.D.		
5) 2-Methylnaphthalene	8.472	142	54	N.D.		
6) 1-Methylnaphthalene	8.565	142	56	N.D.		
7) 1,1'-Biphenyl	8.932	154	141	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	0.000		0	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	0.000		0	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	0.000		0	N.D.		
17) Dibenzothiopene	0.000		0	N.D.		
18) Phenanthrene	11.048	178	104	N.D.		
19) Anthracene	11.095	178	70	N.D.		
20) Carbazole	11.269	167	76	N.D.		
21) 1-Methylphenanthrene	0.000		0	N.D.		
22) Fluoranthene	0.000		0	N.D.		
24) Pyrene	0.000		0	N.D.		
26) Benz(a)anthracene	14.685	228	518	N.D.		
27) Chrysene	14.685	228	443	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	18.159	252	478	N.D.		

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262003.D
Acq On : 26 Jun 2020 09:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 09:22:27 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

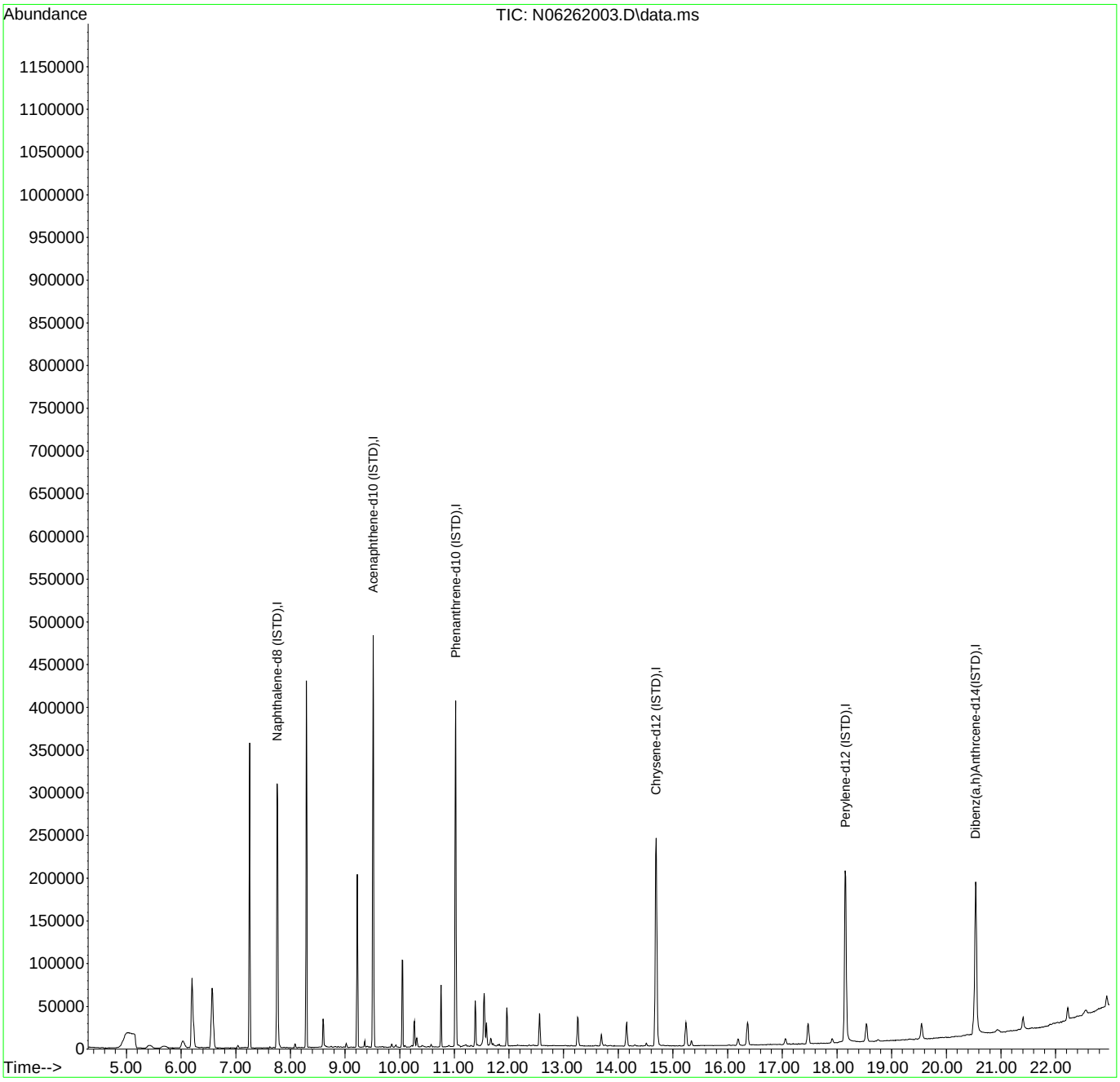
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	0.000		0		N.D.	
34) Perylene	18.159	252	618		N.D.	
36) Indeno(1,2,3-cd)Pyrene	20.543	276	58		N.D.	
37) Dibenz(a,h)anthracene	0.000		0		N.D.	
38) Benzo(g,h,i)perylene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262003.D
Acq On : 26 Jun 2020 09:18 am
Operator : JK/ AMS/ DTH
Sample : 0F26021-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 09:22:27 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

HML 06/29/20

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

B02

Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.761	136	206502	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.515	162	131494	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	234879	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.691	240	189542	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.159	264	174333	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.543	292	152934	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.067	82	52026	80.65	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.827	172	189879	93.27	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.773	244	216049	117.97	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.784	128	6602	2.94	ng/ml	99
5) 2-Methylnaphthalene	8.466	142	1475	0.98	ng/ml	97
6) 1-Methylnaphthalene	8.565	142	940	0.63	ng/ml	95
7) 1,1'-Biphenyl	8.932	154	933	0.49	ng/ml	86
8) 2,6-Dimethylnaphthalene	9.095	156	499	N.D.		
11) Acenaphthylene	9.375	152	346	N.D.		
12) Acenaphthene	9.550	153	1589	0.88	ng/ml	94
13) Dibenzofuran	9.725	168	745	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.935	170	189	N.D.		
15) Fluorene	10.069	166	968	0.56	ng/ml	88
17) Dibenzothiopene	10.920	184	469	N.D.		
18) Phenanthrene	11.048	178	4390	1.62	ng/ml	98
19) Anthracene	11.101	178	671	N.D.		
20) Carbazole	11.270	167	306	N.D.		
21) 1-Methylphenanthrene	11.672	192	488	N.D.		
22) Fluoranthene	12.295	202	2196	0.82	ng/ml	95
24) Pyrene	12.575	202	2090	0.85	ng/ml	98
26) Benz(a)anthracene	14.679	228	904	0.46	ng/ml	90
27) Chrysene	14.749	228	600	N.D.		
29) Benzo(b)fluoranthene	17.250	252	582	N.D.		
30) Benzo(k)fluoranthene	17.250	252	663	N.D.		
31) Benzo(b+k)fluoranthene	17.250	252	722	N.D.		
32) Benzo(e)pyrene	17.897	252	419	N.D.		

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

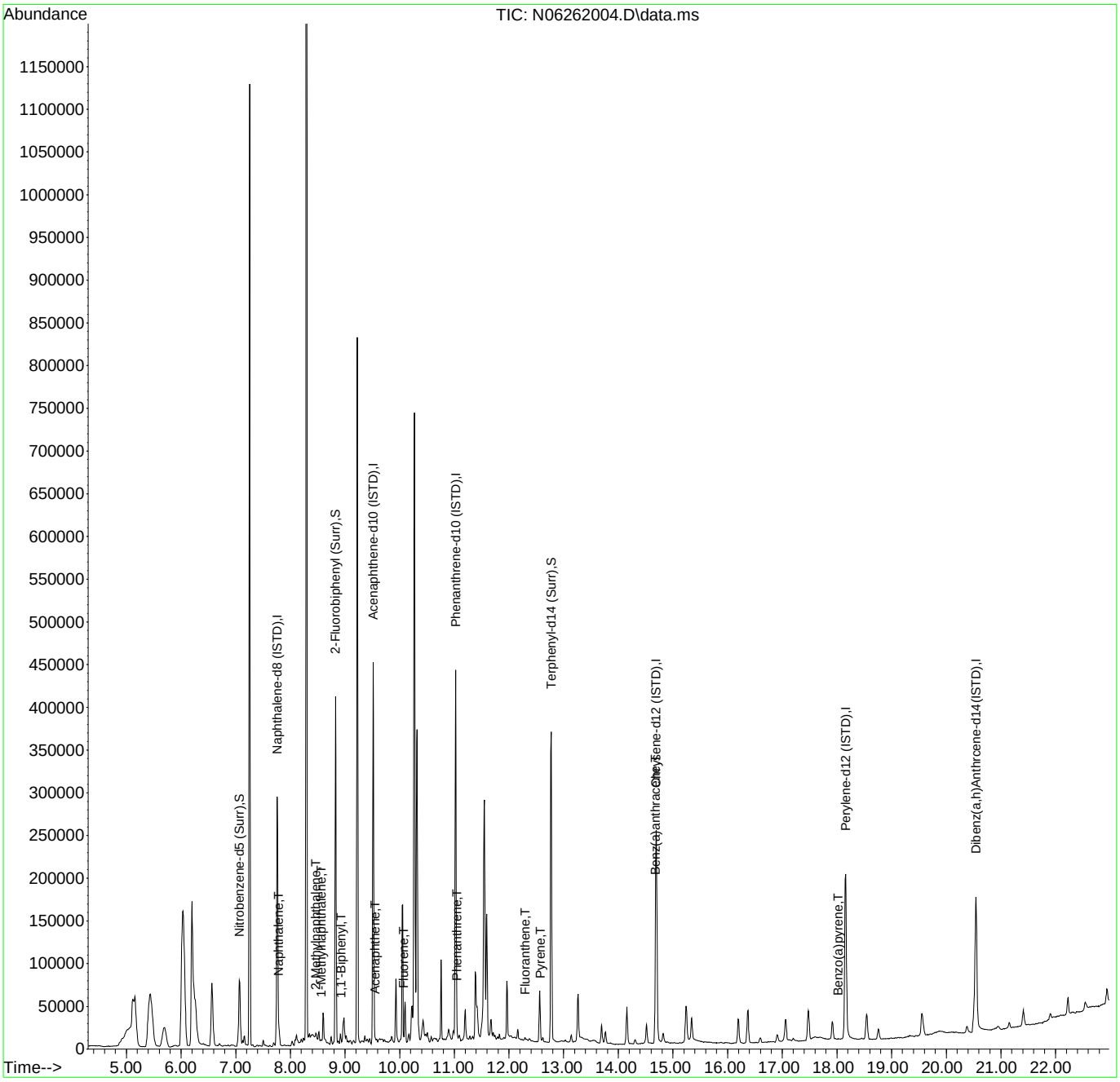
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.019	252	359	0.56	ng/ml	87
34) Perylene	18.217	252	174	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.549	276	386	N.D.		
37) Dibenz(a,h)anthracene	20.601	278	81	N.D.		
38) Benzo(g,h,i)perylene	21.085	276	425	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.761	136	206502	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.515	162	131494	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	234879	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.691	240	189542	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.159	264	174333	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.543	292	152934	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.067	82	52026	80.65	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.827	172	189879	93.27	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.773	244	216049	117.97	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.784	128	6602	2.94	ng/ml	99
5) 2-Methylnaphthalene	8.466	142	1475	0.98	ng/ml	97
6) 1-Methylnaphthalene	8.565	142	940	0.63	ng/ml	95
7) 1,1'-Biphenyl	8.932	154	933	0.49	ng/ml	86
8) 2,6-Dimethylnaphthalene	9.095	156	499	N.D.		
11) Acenaphthylene	9.375	152	346	N.D.		
12) Acenaphthene	9.550	153	1589	0.88	ng/ml	94
13) Dibenzofuran	9.725	168	745	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.935	170	189	N.D.		
15) Fluorene	10.069	166	968	0.56	ng/ml	88
17) Dibenzothiopene	10.920	184	469	N.D.		
18) Phenanthrene	11.048	178	4390	1.62	ng/ml	98
19) Anthracene	11.101	178	671	N.D.		
20) Carbazole	11.270	167	306	N.D.		
21) 1-Methylphenanthrene	11.672	192	488	N.D.		
22) Fluoranthene	12.295	202	2196	0.82	ng/ml	95
24) Pyrene	12.575	202	2090	0.85	ng/ml	98
26) Benz(a)anthracene	14.679	228	904	0.46	ng/ml	90
27) Chrysene	14.749	228	600	N.D.		
29) Benzo(b)fluoranthene	17.250	252	582	N.D.		
30) Benzo(k)fluoranthene	17.250	252	663	N.D.		
31) Benzo(b+k)fluoranthene	17.250	252	722	N.D.		
32) Benzo(e)pyrene	17.897	252	419	N.D.		

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

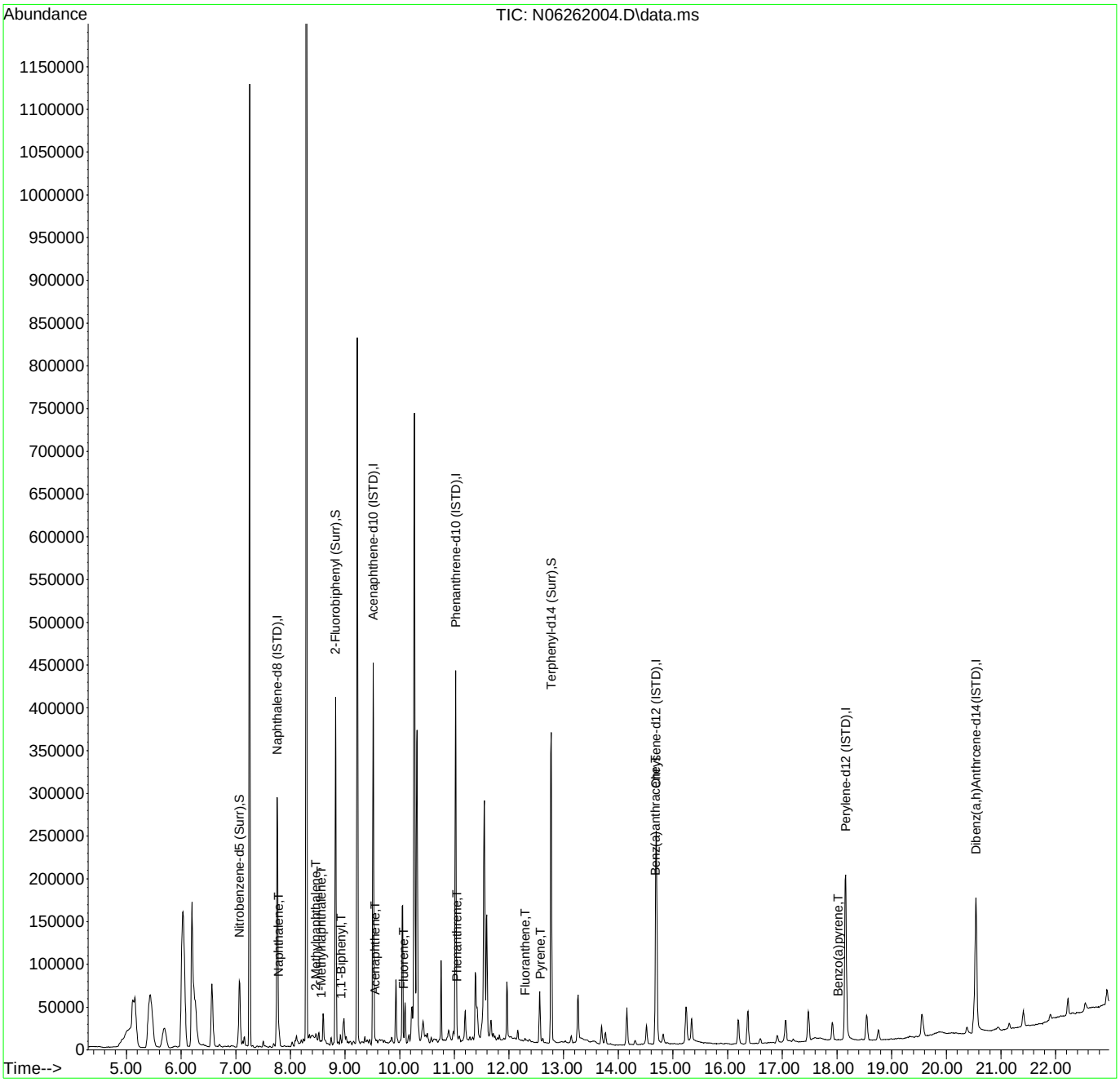
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.019	252	359	0.56	ng/ml	87
34) Perylene	18.217	252	174	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.549	276	386	N.D.		
37) Dibenz(a,h)anthracene	20.601	278	81	N.D.		
38) Benzo(g,h,i)perylene	21.085	276	425	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

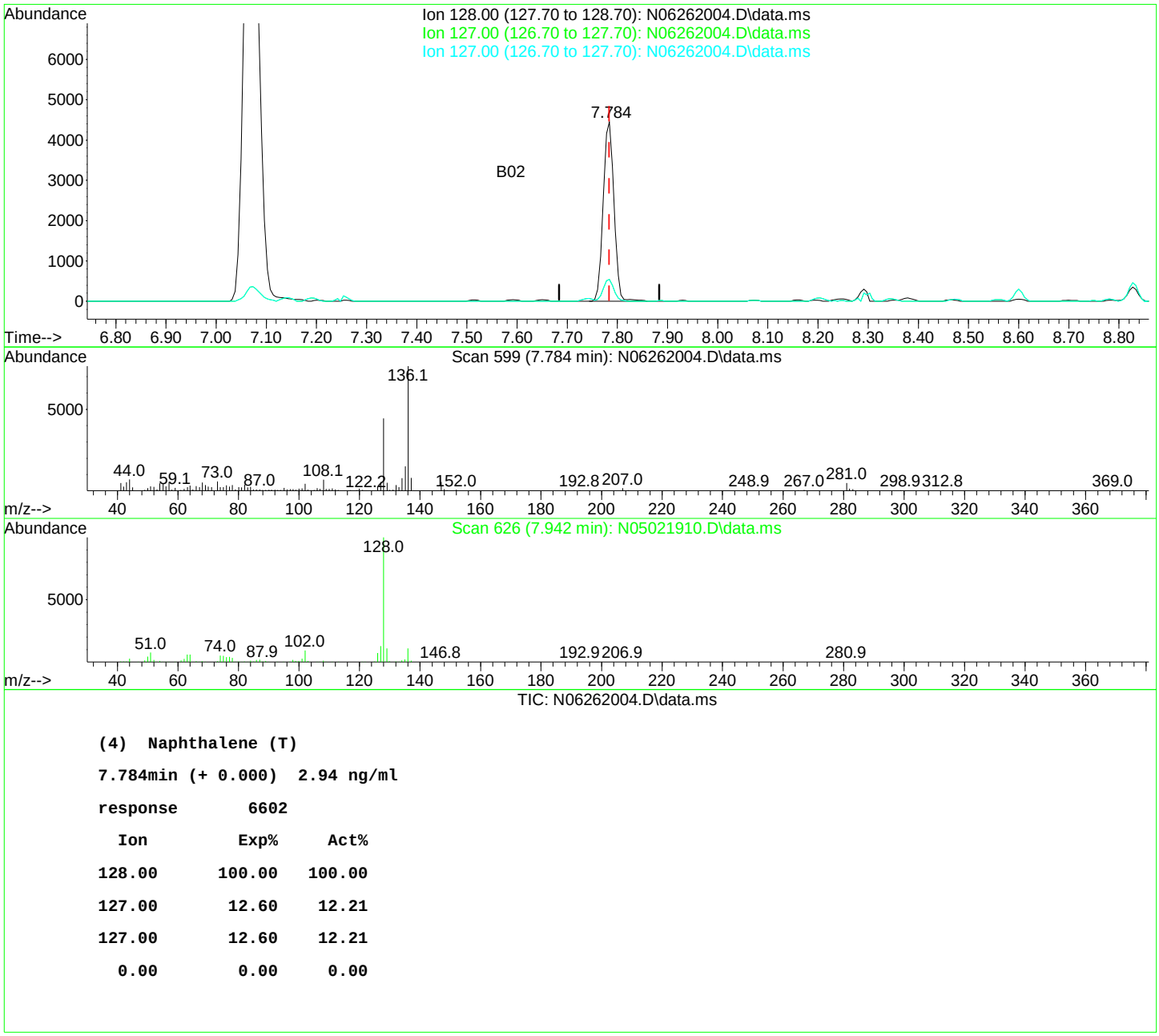
Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262004.D
Acq On : 26 Jun 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 29 09:23:23 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262004.D\data.ms

(4) Naphthalene (T)

7.784min (+ 0.000) 2.94 ng/ml

response 6602

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.21
127.00	12.60	12.21
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

HML 06/29/20

B02

Data Path : R:\data\2020-06\0F26021\
Data File : N06262005.D
Acq On : 26 Jun 2020 11:45 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.761	136	230954	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.515	162	141458	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	247025	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.691	240	218461	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.153	264	204808	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.543	292	172945	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.061	82	59214	82.07	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.827	172	199073	90.90	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.768	244	222137	105.24	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.230	138	7092	38.40	ng/ml	84
4) Naphthalene	7.778	128	105468	41.93	ng/ml	99
5) 2-Methylnaphthalene	8.466	142	75248	44.55	ng/ml	97
6) 1-Methylnaphthalene	8.565	142	73919	44.08	ng/ml	97
7) 1,1'-Biphenyl	8.927	154	90736	42.62	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.090	156	65900	45.12	ng/ml	97
11) Acenaphthylene	9.375	152	108490	41.13	ng/ml	99
12) Acenaphthene	9.544	153	81197	41.96	ng/ml	100
13) Dibenzofuran	9.725	168	95421	40.74	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.935	170	66287	43.72	ng/ml	98
15) Fluorene	10.069	166	79575	42.77	ng/ml	99
17) Dibenzothiopene	10.920	184	102829	41.19	ng/ml	94
18) Phenanthrene	11.048	178	119282	41.95	ng/ml	100
19) Anthracene	11.101	178	102190	43.88	ng/ml	99
20) Carbazole	11.270	167	76990	38.30	ng/ml	98
21) 1-Methylphenanthrene	11.672	192	84827	44.24	ng/ml	97
22) Fluoranthene	12.295	202	122199	43.61	ng/ml	95
24) Pyrene	12.575	202	124715	44.01	ng/ml	99
26) Benz(a)anthracene	14.668	228	95051	41.96	ng/ml	99
27) Chrysene	14.749	228	98706	42.36	ng/ml	99
29) Benzo(b)fluoranthene	17.250	252	91148	43.05	ng/ml	91
30) Benzo(k)fluoranthene	17.314	252	91706	43.45	ng/ml	91
31) Benzo(b+k)fluoranthene	17.314	252	192090	86.28	ng/ml	91
32) Benzo(e)pyrene	17.897	252	91328	41.25	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262005.D
Acq On : 26 Jun 2020 11:45 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

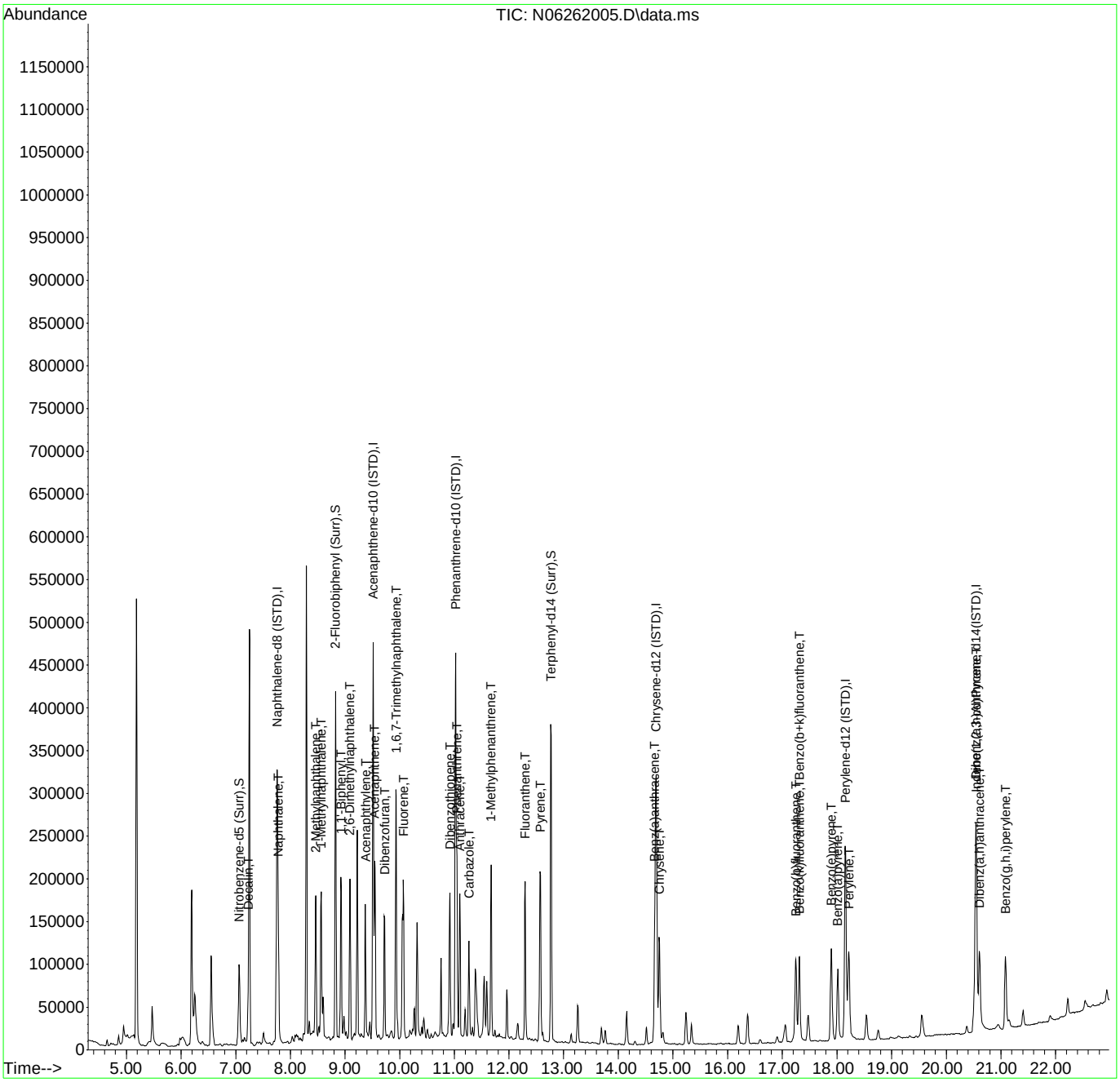
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.013	252	77019	45.59	ng/ml	96
34) Perylene	18.217	252	97336	42.70	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.549	276	79844	42.50	ng/ml	79
37) Dibenz(a,h)anthracene	20.607	278	81023	42.77	ng/ml	80
38) Benzo(g,h,i)perylene	21.085	276	83140	41.26	ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262005.D
Acq On : 26 Jun 2020 11:45 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262005.D
Acq On : 26 Jun 2020 11:45 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.761	136	230954	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.515	162	141458	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	247025	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.691	240	218461	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.153	264	204808	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.543	292	172945	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.061	82	59214	82.07	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.827	172	199073	90.90	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.768	244	222137	105.24	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.230	138	7092	38.40	ng/ml	84
4) Naphthalene	7.778	128	105468	41.93	ng/ml	99
5) 2-Methylnaphthalene	8.466	142	75248	44.55	ng/ml	97
6) 1-Methylnaphthalene	8.565	142	73919	44.08	ng/ml	97
7) 1,1'-Biphenyl	8.927	154	90736	42.62	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.090	156	65900	45.12	ng/ml	97
11) Acenaphthylene	9.375	152	108490	41.13	ng/ml	99
12) Acenaphthene	9.544	153	81197	41.96	ng/ml	100
13) Dibenzofuran	9.725	168	95421	40.74	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.935	170	66287	43.72	ng/ml	98
15) Fluorene	10.069	166	79575	42.77	ng/ml	99
17) Dibenzothiopene	10.920	184	102829	41.19	ng/ml	94
18) Phenanthrene	11.048	178	119282	41.95	ng/ml	100
19) Anthracene	11.101	178	102190	43.88	ng/ml	99
20) Carbazole	11.270	167	76990	38.30	ng/ml	98
21) 1-Methylphenanthrene	11.672	192	84827	44.24	ng/ml	97
22) Fluoranthene	12.295	202	122199	43.61	ng/ml	95
24) Pyrene	12.575	202	124715	44.01	ng/ml	99
26) Benz(a)anthracene	14.668	228	95051	41.96	ng/ml	99
27) Chrysene	14.749	228	98706	42.36	ng/ml	99
29) Benzo(b)fluoranthene	17.250	252	91148	43.05	ng/ml	91
30) Benzo(k)fluoranthene	17.314	252	91706	43.45	ng/ml	91
31) Benzo(b+k)fluoranthene	17.314	252	192090	86.28	ng/ml	91
32) Benzo(e)pyrene	17.897	252	91328	41.25	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262005.D
Acq On : 26 Jun 2020 11:45 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

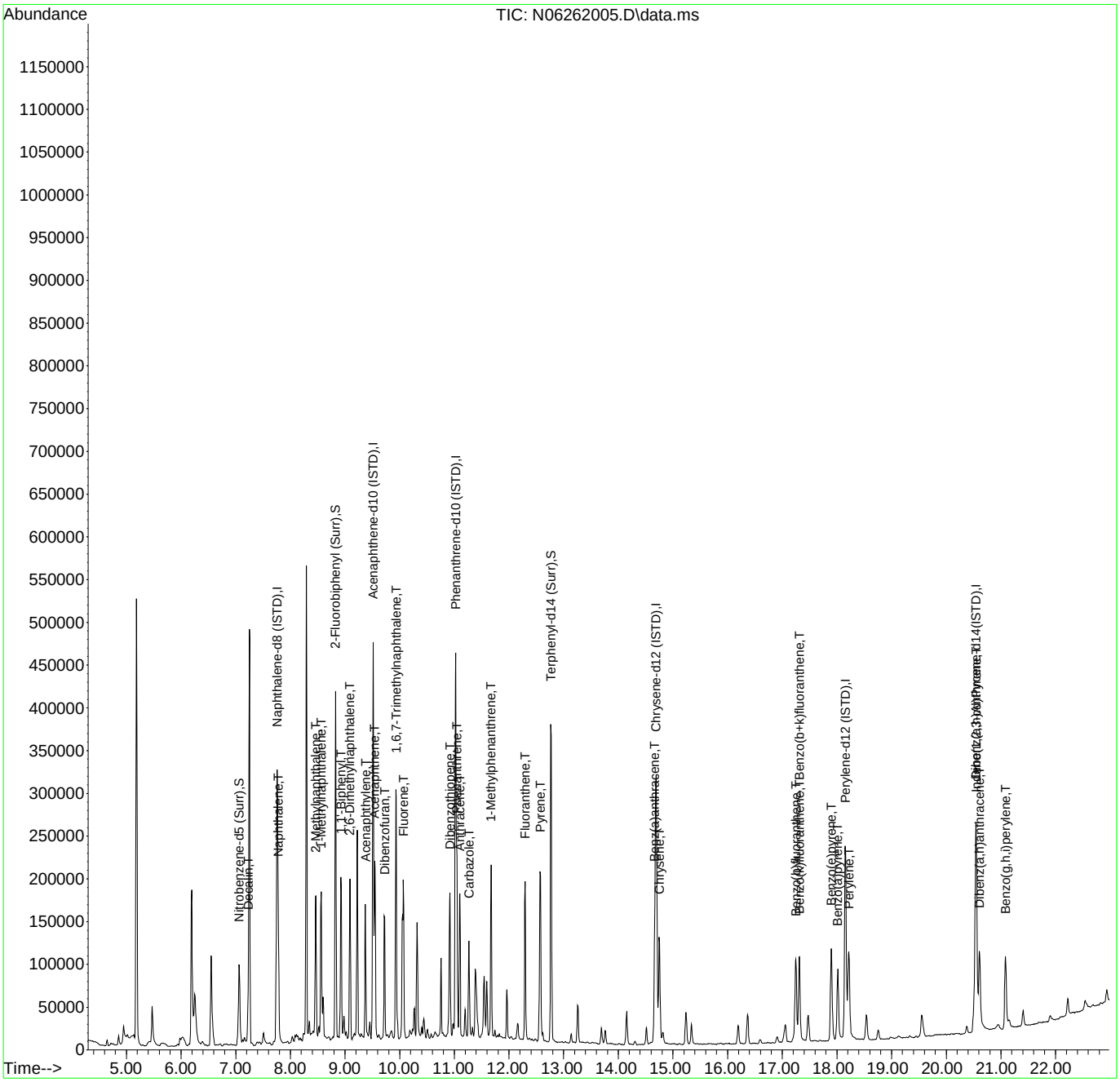
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.013	252	77019	45.59	ng/ml	96
34) Perylene	18.217	252	97336	42.70	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.549	276	79844	42.50	ng/ml	79
37) Dibenz(a,h)anthracene	20.607	278	81023	42.77	ng/ml	80
38) Benzo(g,h,i)perylene	21.085	276	83140	41.26	ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262005.D
Acq On : 26 Jun 2020 11:45 am
Operator : JK/ AMS/ DTH
Sample : 0060858-BS1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 29 09:25:57 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

HML 06/29/20

M05

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:16:07 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.767	136	209454	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.521	162	146828	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	253676	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.697	240	206493	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.159	264	197572	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.543	292	168627	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.061	82	171	0.26	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.827	172	200	0.09	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.773	244	204	0.10	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.784	128	738408	323.67	ng/ml	99
5) 2-Methylnaphthalene	8.466	142	121970	79.63	ng/ml	97
6) 1-Methylnaphthalene	8.565	142	69429	45.65	ng/ml	96
7) 1,1'-Biphenyl	8.932	154	49124	25.44	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.101	156	25787	19.47	ng/ml	95
11) Acenaphthylene	9.375	152	17113	6.25	ng/ml	95
12) Acenaphthene	9.550	153	176308	87.78	ng/ml	100
13) Dibenzofuran	9.725	168	12243	5.04	ng/ml	98
14) 1,6,7-Trimethylnaphtha...	9.935	170	7308	4.64	ng/ml	91
15) Fluorene	10.075	166	74321	38.49	ng/ml	100
17) Dibenzothiopene	10.920	184	71450	27.87	ng/ml	95
18) Phenanthrene	11.048	178	638860	218.79	ng/ml	99
19) Anthracene	11.101	178	114471	47.87	ng/ml	99
20) Carbazole	11.270	167	14106	6.83	ng/ml	99
21) 1-Methylphenanthrene	11.672	192	16657	8.46	ng/ml	93
22) Fluoranthene	12.295	202	415584	144.41	ng/ml	96
24) Pyrene	12.575	202	527761	197.05	ng/ml	99
26) Benz(a)anthracene	14.674	228	77111	36.01	ng/ml#	54
27) Chrysene	14.755	228	94726	43.01	ng/ml	98
29) Benzo(b)fluoranthene	17.256	252	91717	44.91	ng/ml	91
30) Benzo(k)fluoranthene	17.314	252	29278m	14.38	ng/ml	
31) Benzo(b+k)fluoranthene	17.256	252	126038	58.68	ng/ml	90
32) Benzo(e)pyrene	17.903	252	60755	28.45	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:16:07 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

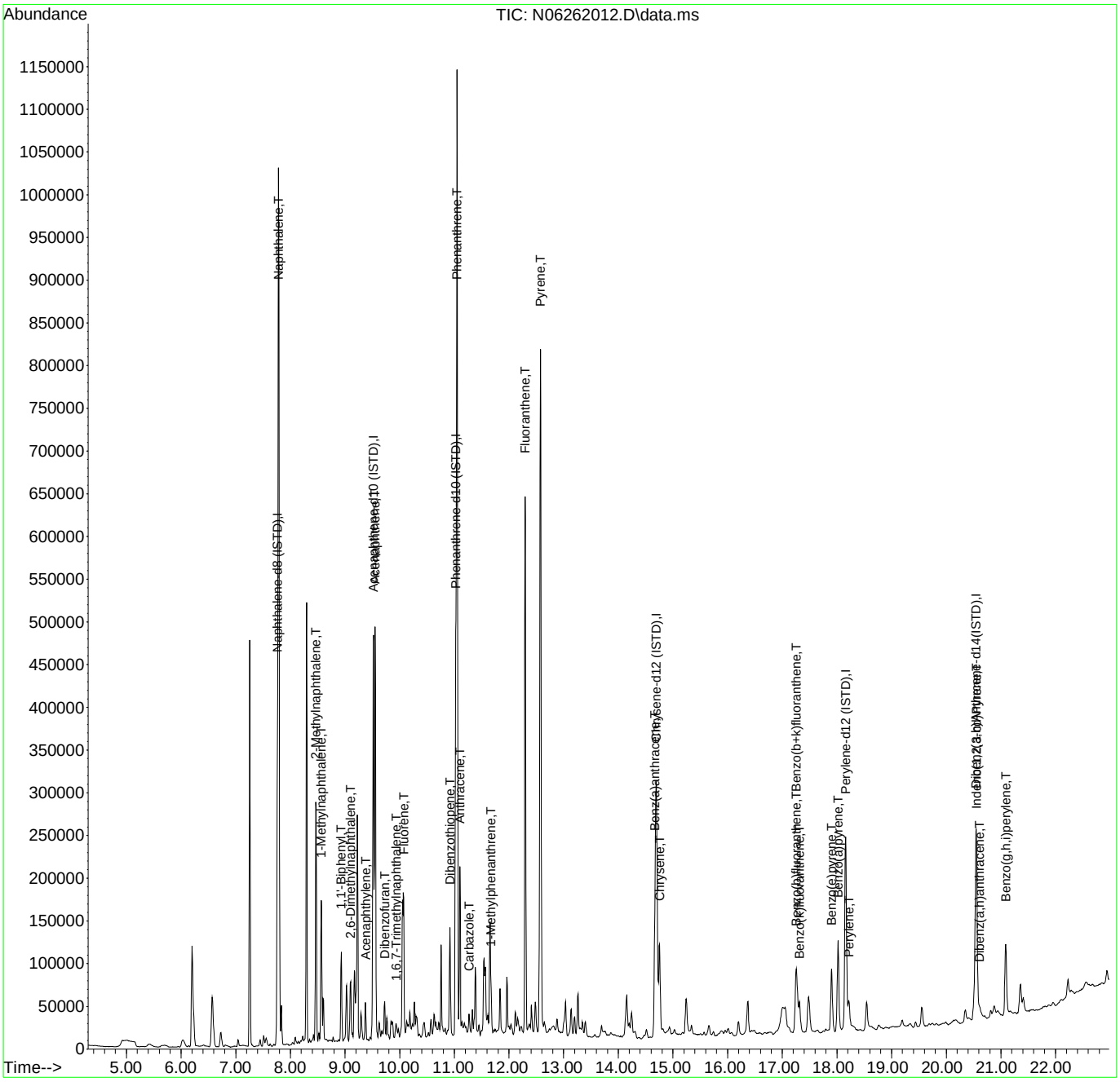
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33)	Benzo(a)pyrene	18.019	252	94749	57.74	ng/ml	95
34)	Perylene	18.217	252	27529	12.52	ng/ml	98
36)	Indeno(1,2,3-cd)Pyrene	20.555	276	63972	34.92	ng/ml	76
37)	Dibenz(a,h)anthracene	20.607	278	6507	3.52	ng/ml	91
38)	Benzo(g,h,i)perylene	21.091	276	83225	42.36	ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:16:07 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.767	136	209454	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.521	162	146828	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	253676	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.697	240	206493	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.159	264	197572	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.543	292	168627	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.061	82	171	0.26	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.827	172	200	0.09	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.773	244	204	0.10	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.784	128	738408	323.67	ng/ml	99
5) 2-Methylnaphthalene	8.466	142	121970	79.63	ng/ml	97
6) 1-Methylnaphthalene	8.565	142	69429	45.65	ng/ml	96
7) 1,1'-Biphenyl	8.932	154	49124	25.44	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.101	156	25787	19.47	ng/ml	95
11) Acenaphthylene	9.375	152	17113	6.25	ng/ml	95
12) Acenaphthene	9.550	153	176308	87.78	ng/ml	100
13) Dibenzofuran	9.725	168	12243	5.04	ng/ml	98
14) 1,6,7-Trimethylnaphtha...	9.935	170	7308	4.64	ng/ml	91
15) Fluorene	10.075	166	74321	38.49	ng/ml	100
17) Dibenzothiopene	10.920	184	71450	27.87	ng/ml	95
18) Phenanthrene	11.048	178	638860	218.79	ng/ml	99
19) Anthracene	11.101	178	114471	47.87	ng/ml	99
20) Carbazole	11.270	167	14106	6.83	ng/ml	99
21) 1-Methylphenanthrene	11.672	192	16657	8.46	ng/ml	93
22) Fluoranthene	12.295	202	415584	144.41	ng/ml	96
24) Pyrene	12.575	202	527761	197.05	ng/ml	99
26) Benz(a)anthracene	14.674	228	77111	36.01	ng/ml#	54
27) Chrysene	14.755	228	94726	43.01	ng/ml	98
29) Benzo(b)fluoranthene	17.256	252	91717	44.91	ng/ml	91
30) Benzo(k)fluoranthene	17.256	252	114277	56.12	ng/ml	90
31) Benzo(b+k)fluoranthene	17.256	252	126038	58.68	ng/ml	90
32) Benzo(e)pyrene	17.903	252	60755	28.45	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

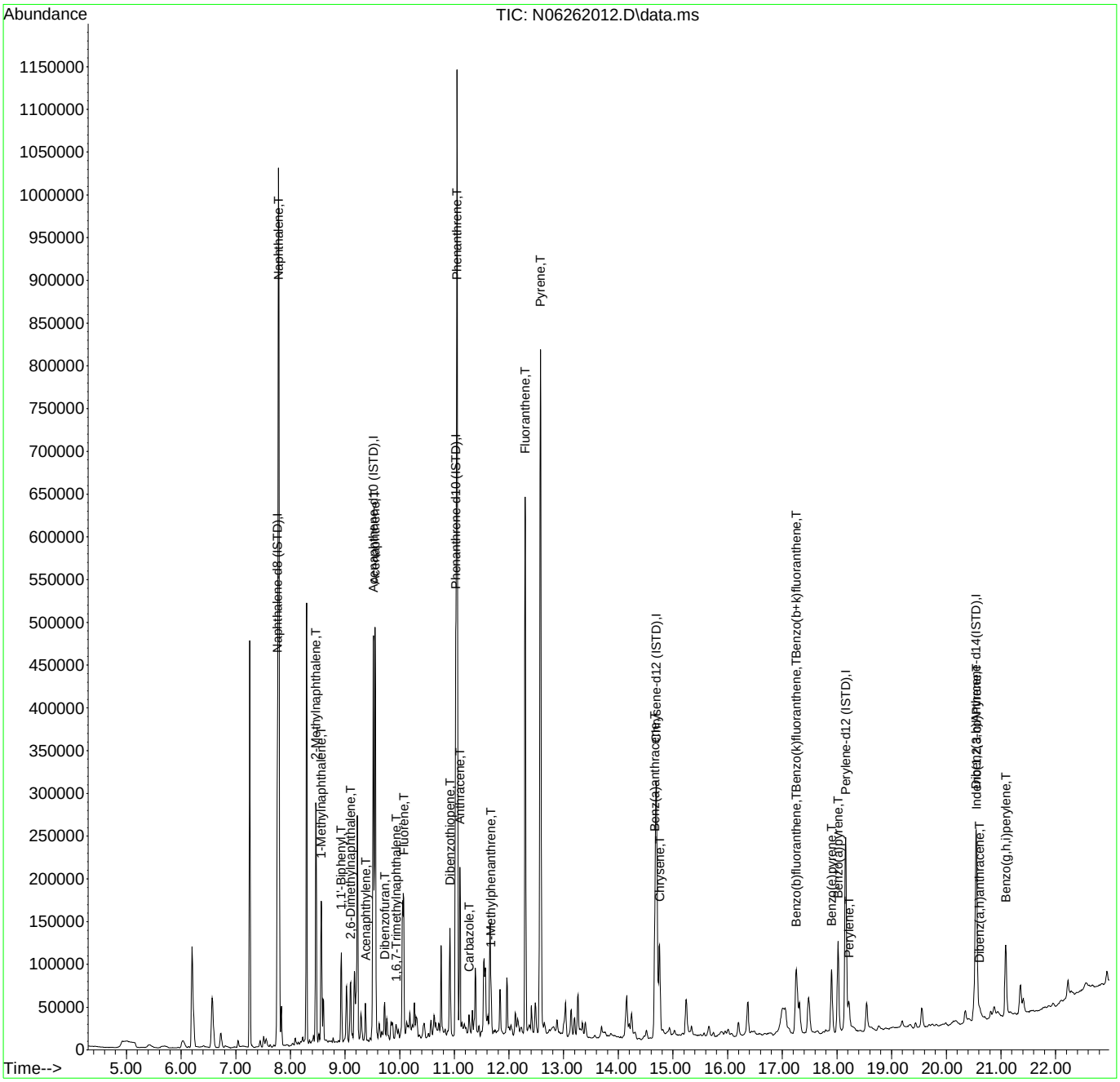
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.019	252	94749	57.74	ng/ml	95
34) Perylene	18.217	252	27529	12.52	ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.555	276	63972	34.92	ng/ml	76
37) Dibenz(a,h)anthracene	20.607	278	6507	3.52	ng/ml	91
38) Benzo(g,h,i)perylene	21.091	276	83225	42.36	ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

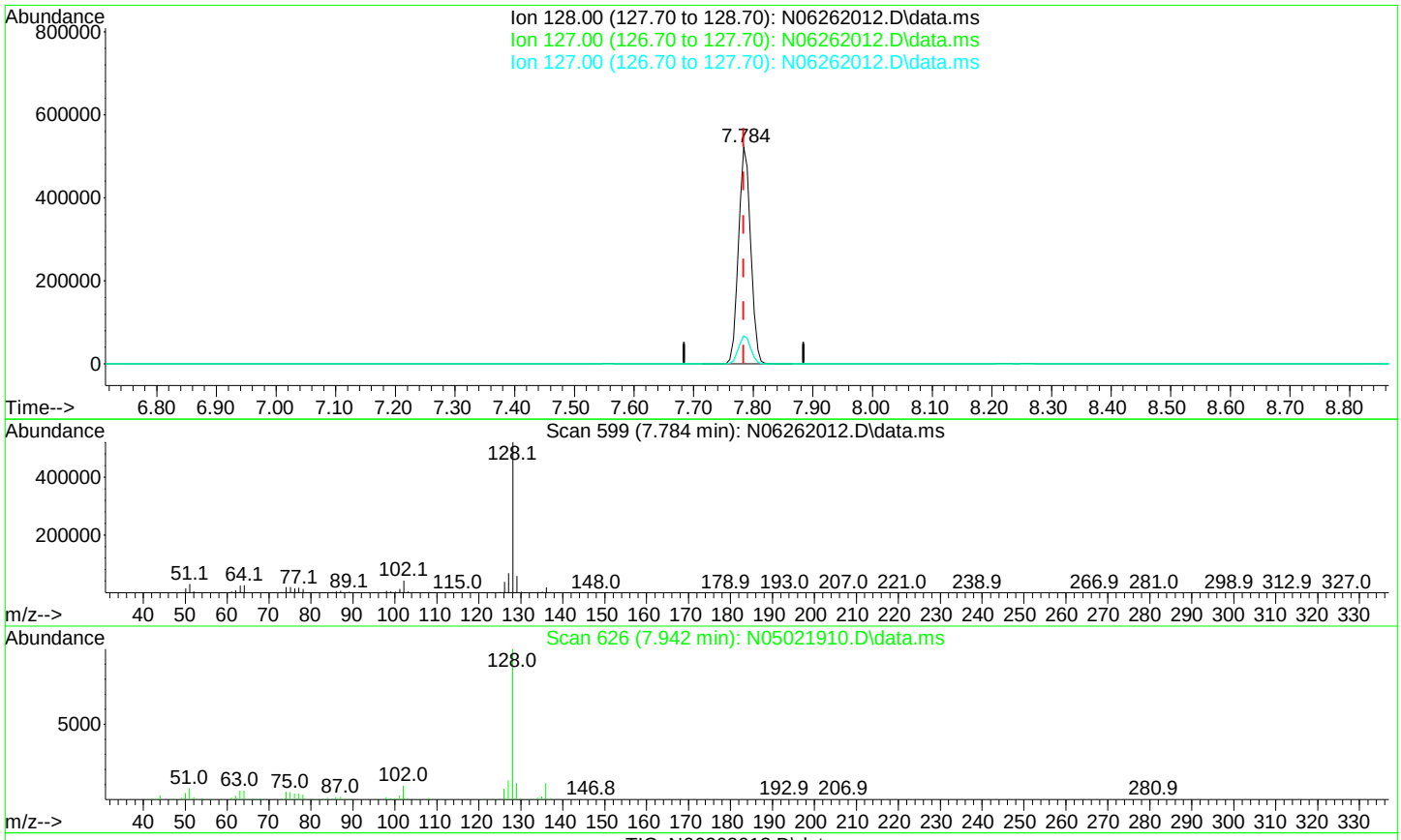
Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(4) Naphthalene (T)

7.784min (+ 0.000) 323.67 ng/ml

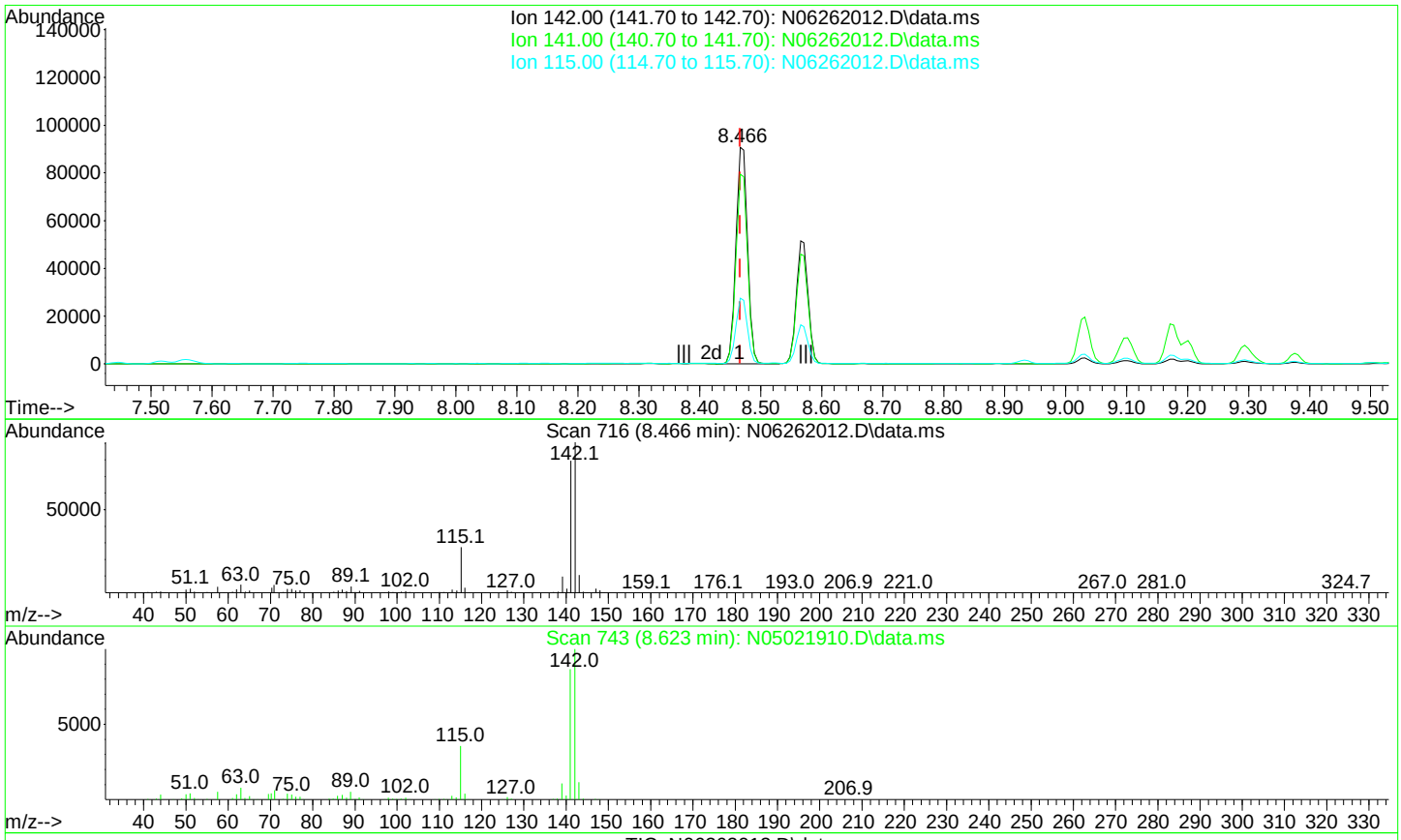
response 738408

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.99
127.00	12.60	12.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(5) 2-Methylnaphthalene (T)

8.466min (+ 0.000) 79.63 ng/ml

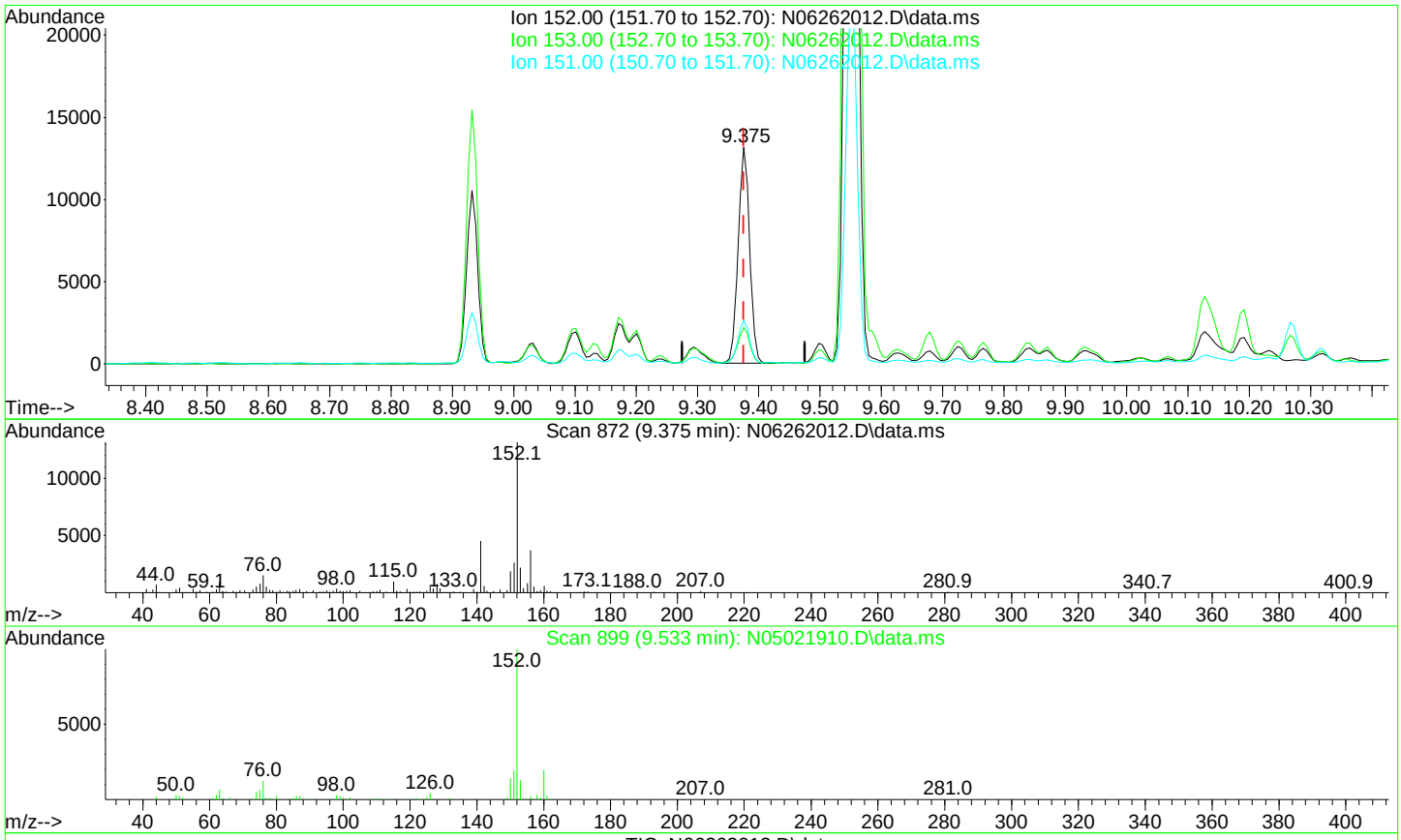
response 121970

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.57
115.00	35.70	30.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(11) Acenaphthylene (T)

9.375min (+ 0.000) 6.25 ng/ml

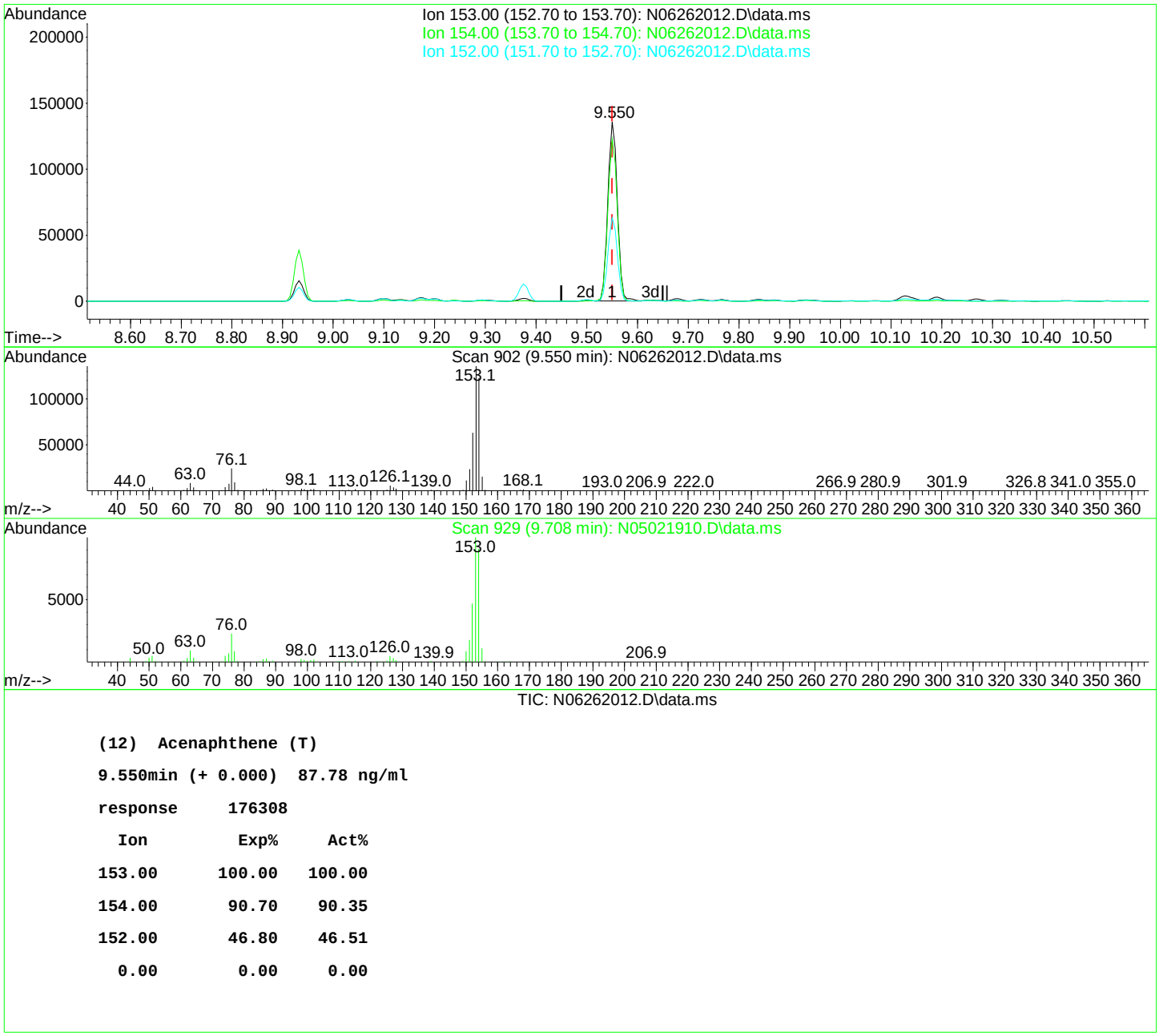
response 17113

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	16.76
151.00	19.30	20.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(12) Acenaphthene (T)

9.550min (+ 0.000) 87.78 ng/ml

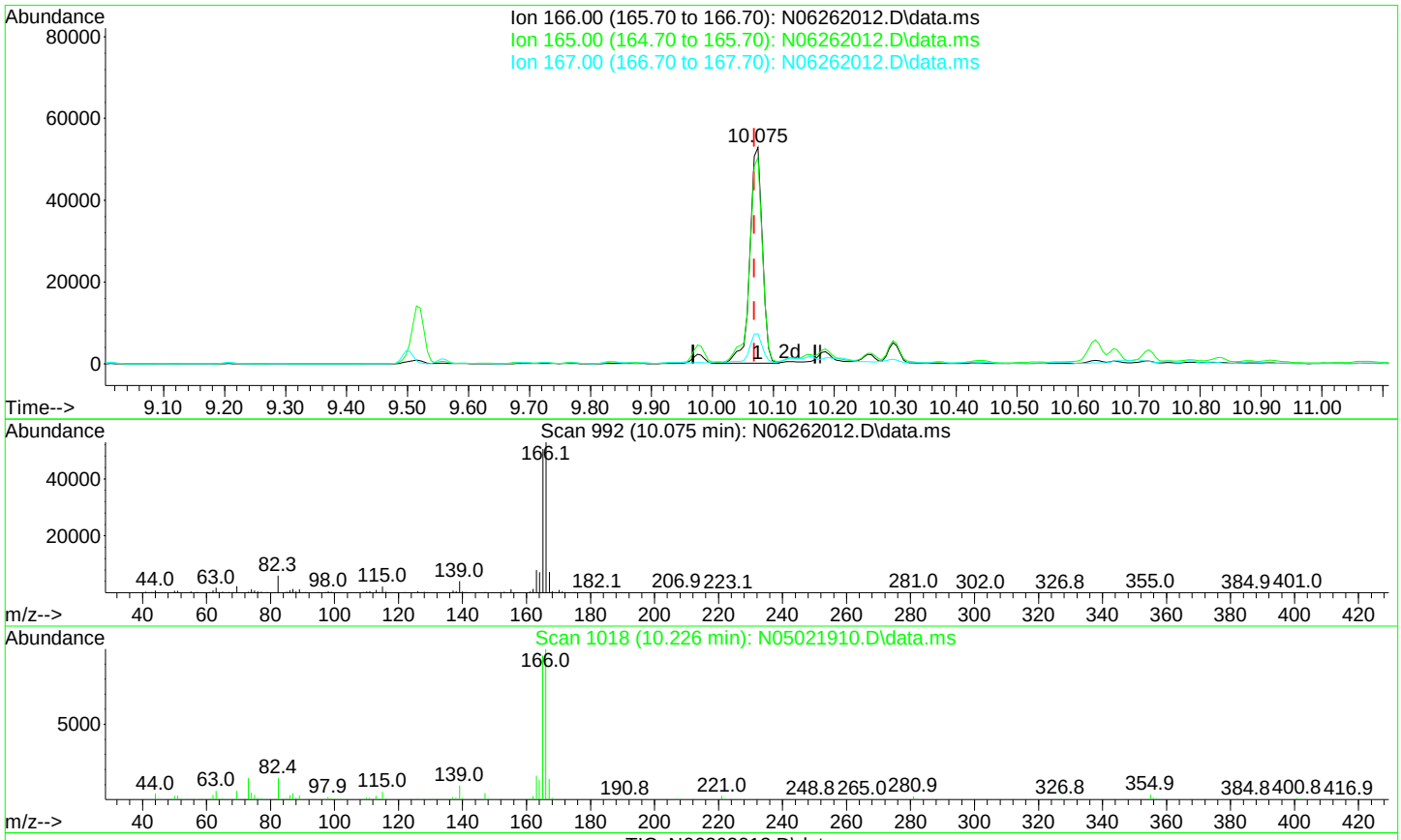
response 176308

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.35
152.00	46.80	46.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(15) Fluorene (T)

10.075min (+ 0.006) 38.49 ng/ml

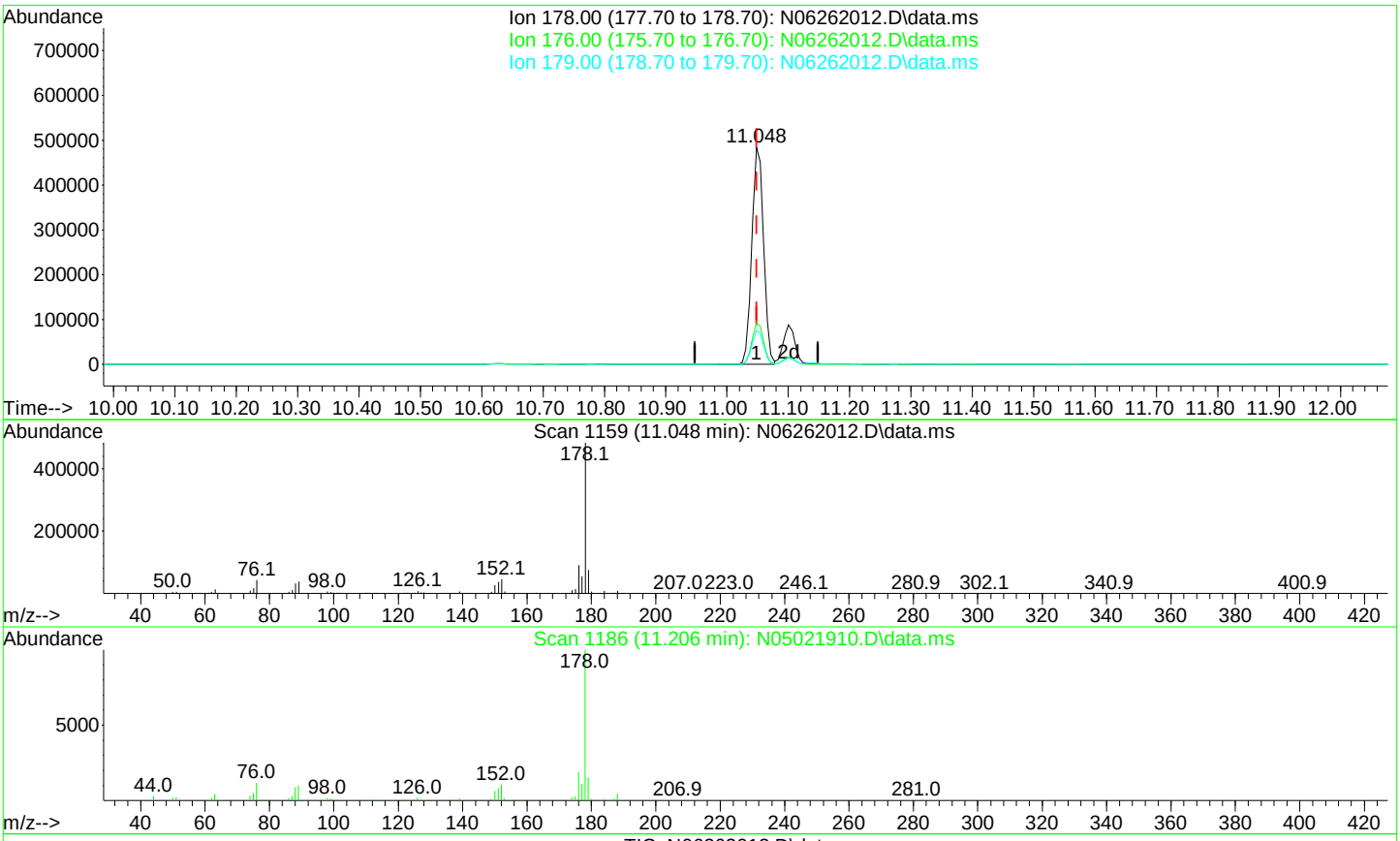
response 74321

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.41
167.00	13.60	13.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(18) Phenanthrene (T)

11.048min (+ 0.000) 218.79 ng/ml

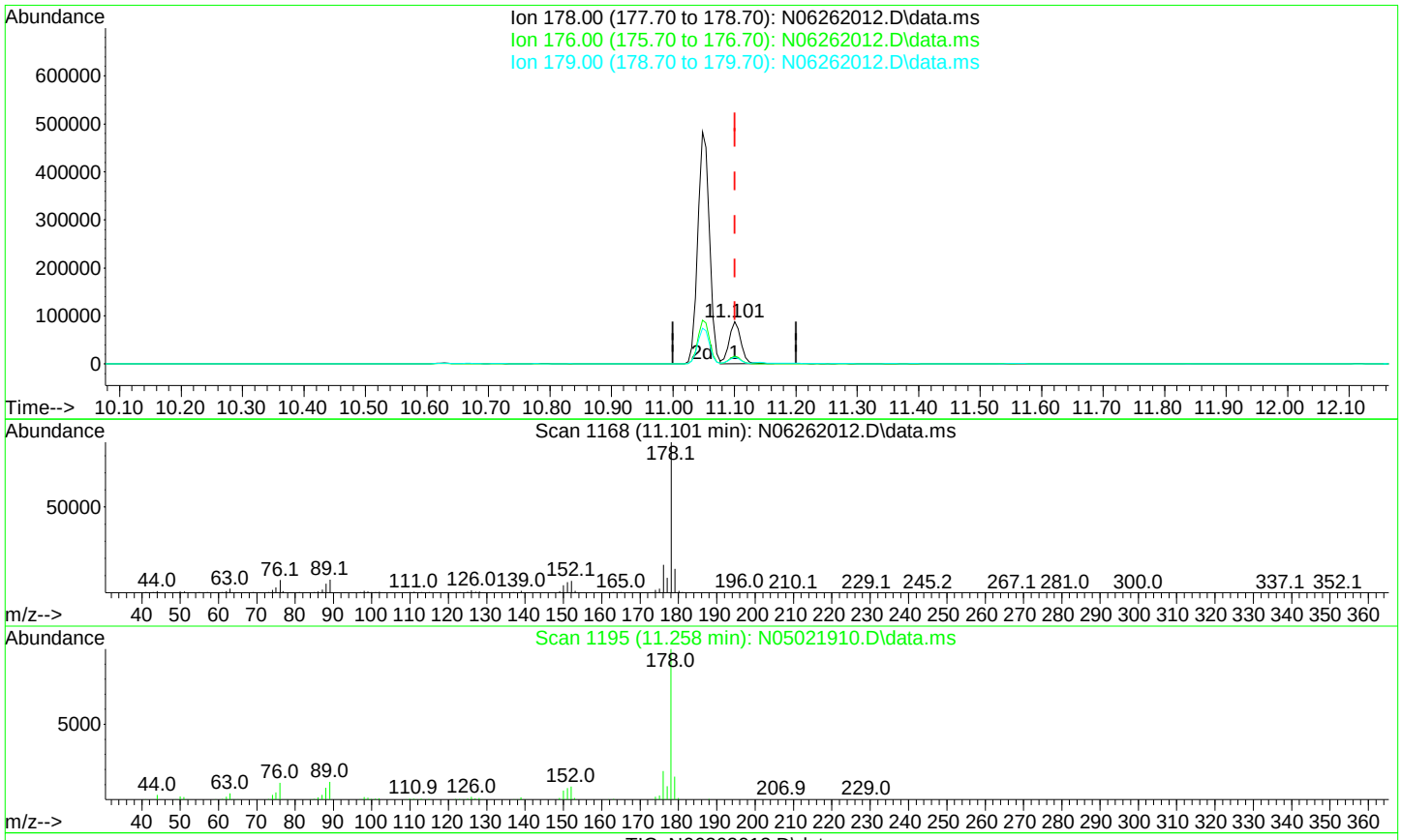
response 638860

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.83
179.00	15.10	15.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(19) Anthracene (T)

11.101min (+ 0.000) 47.87 ng/ml

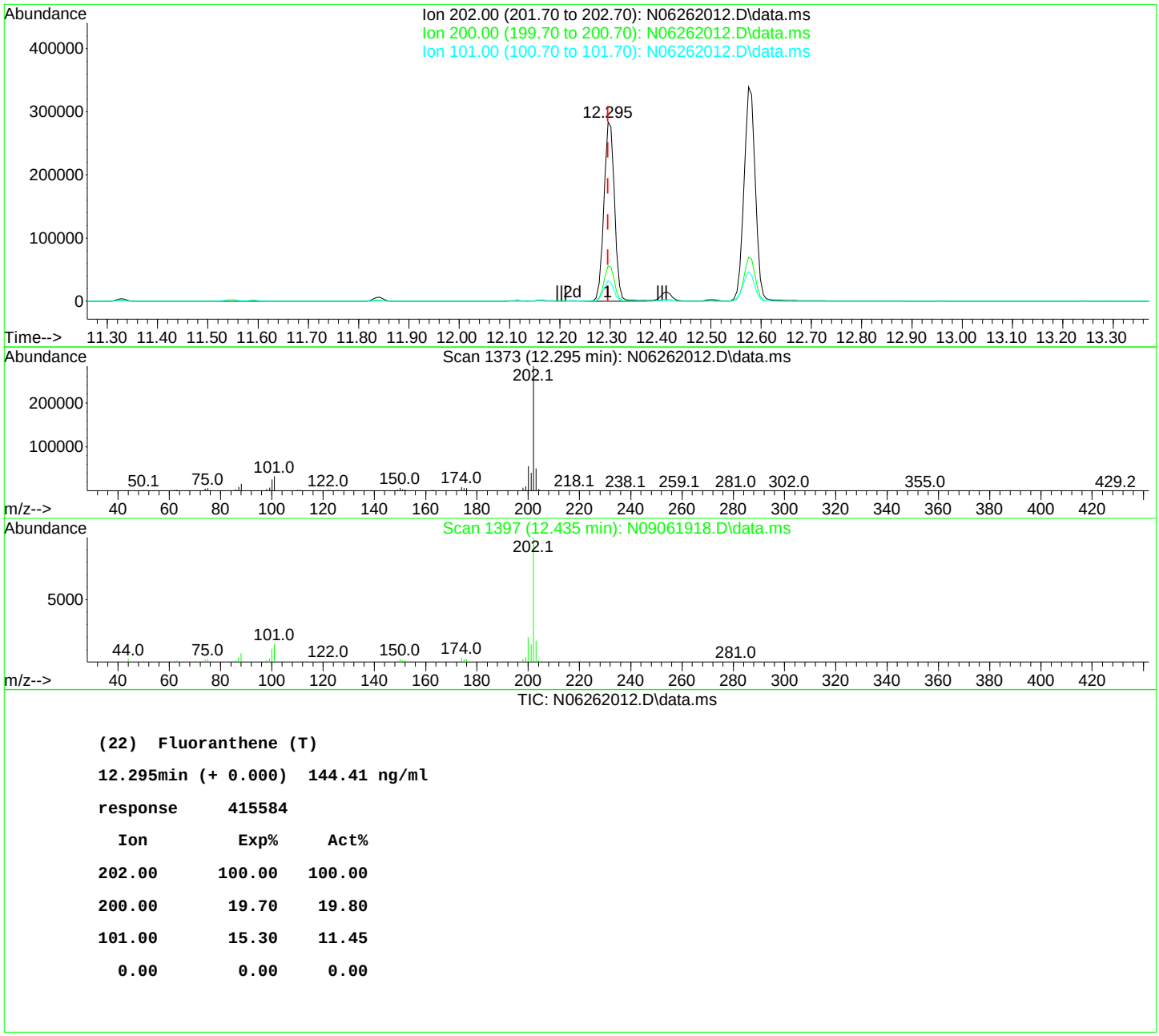
response 114471

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.60
179.00	15.30	15.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(22) Fluoranthene (T)

12.295min (+ 0.000) 144.41 ng/ml

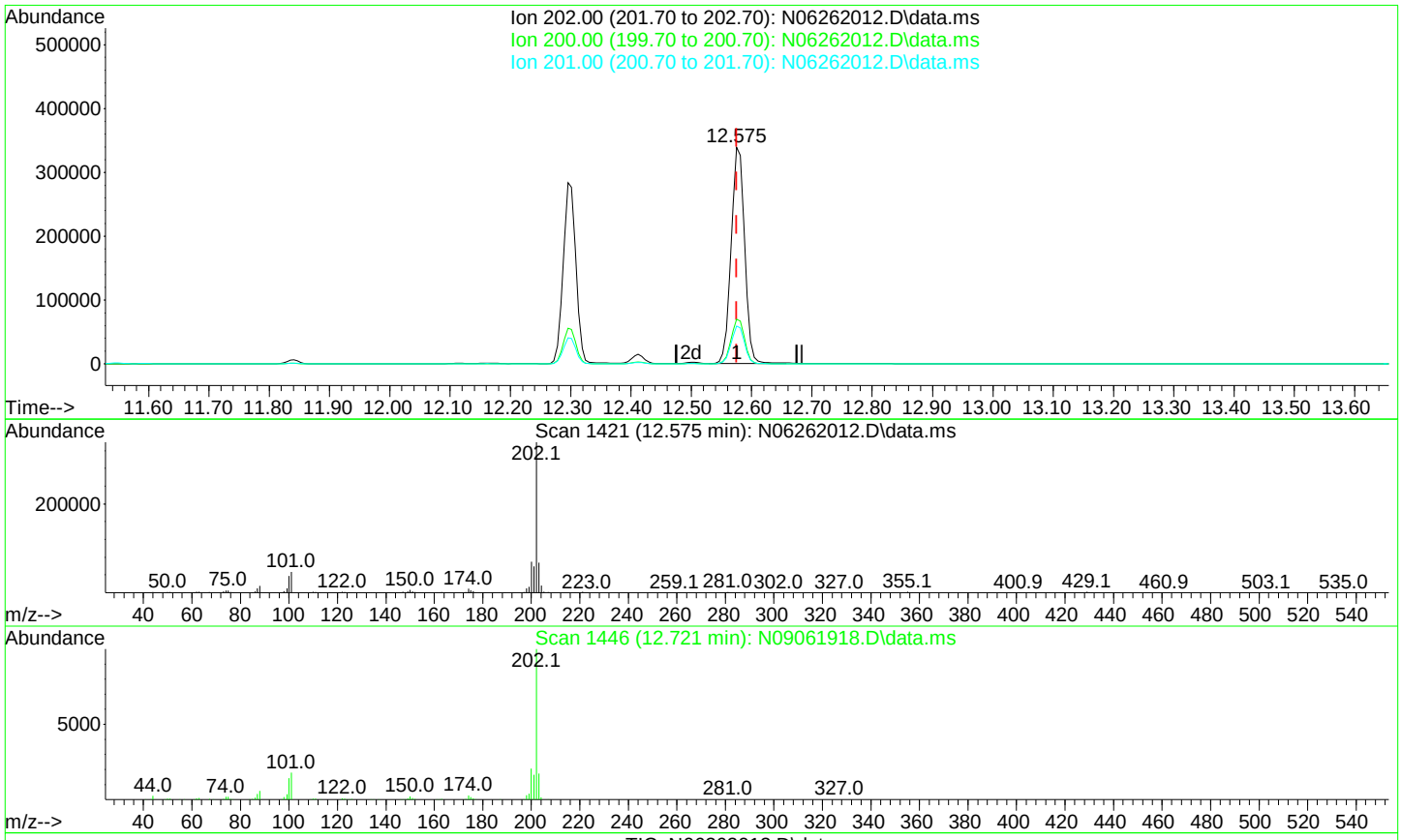
response 415584

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.80
101.00	15.30	11.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(24) Pyrene (T)

12.575min (+ 0.000) 197.05 ng/ml

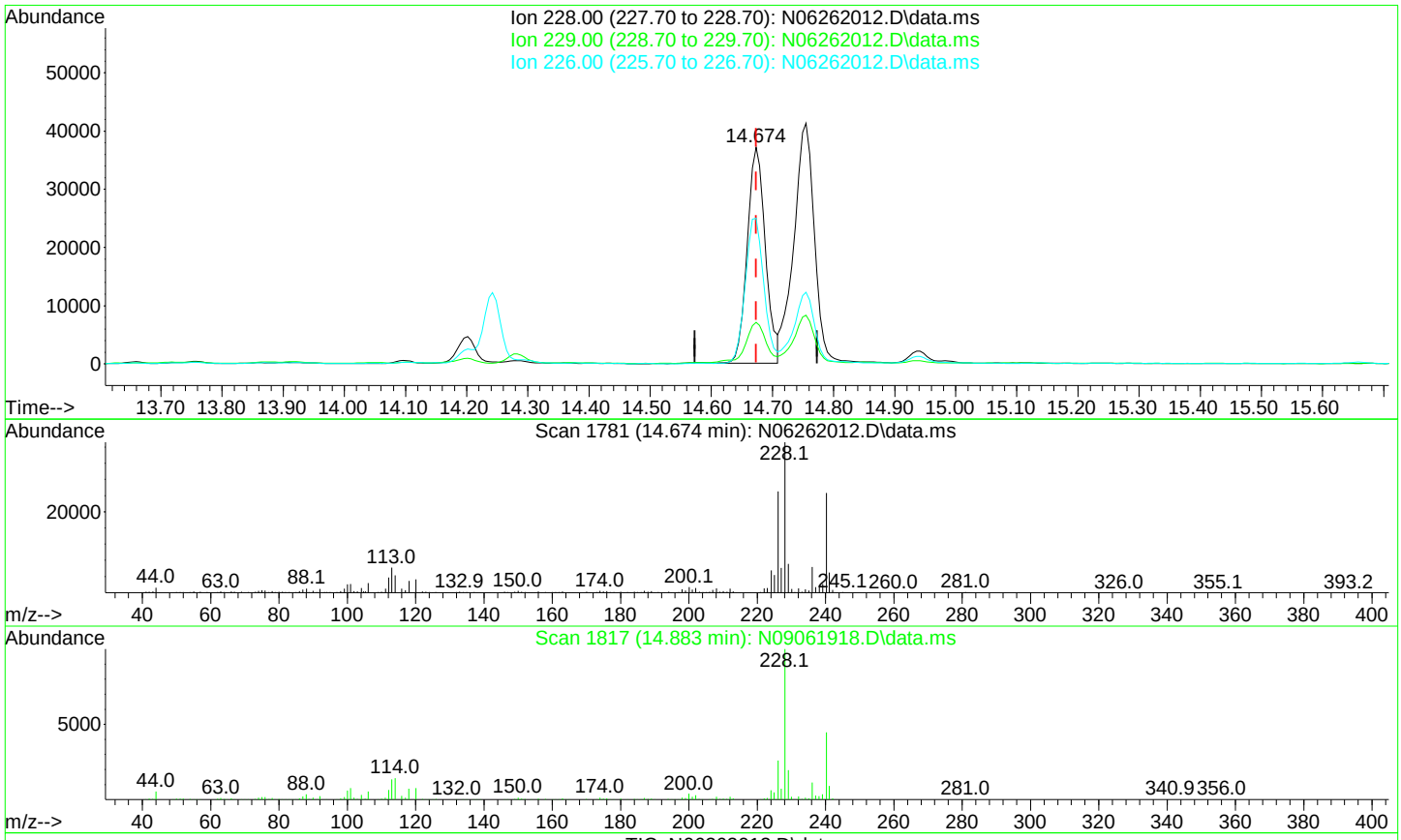
response 527761

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.64
201.00	16.80	17.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(26) Benz(a)anthracene (T)

14.674min (+ 0.000) 36.01 ng/ml

response 77111

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	19.21
226.00	26.20	67.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
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QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

TIC: N06262012.D\data.ms

(27) Chrysene (T)

14.755min (+ 0.000) 43.01 ng/ml

response 94726

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.26
226.00	28.60	29.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

TIC: N06262012.D\data.ms

(29) Benzo(b)fluoranthene (T)

17.256min (+ 0.006) 44.91 ng/ml

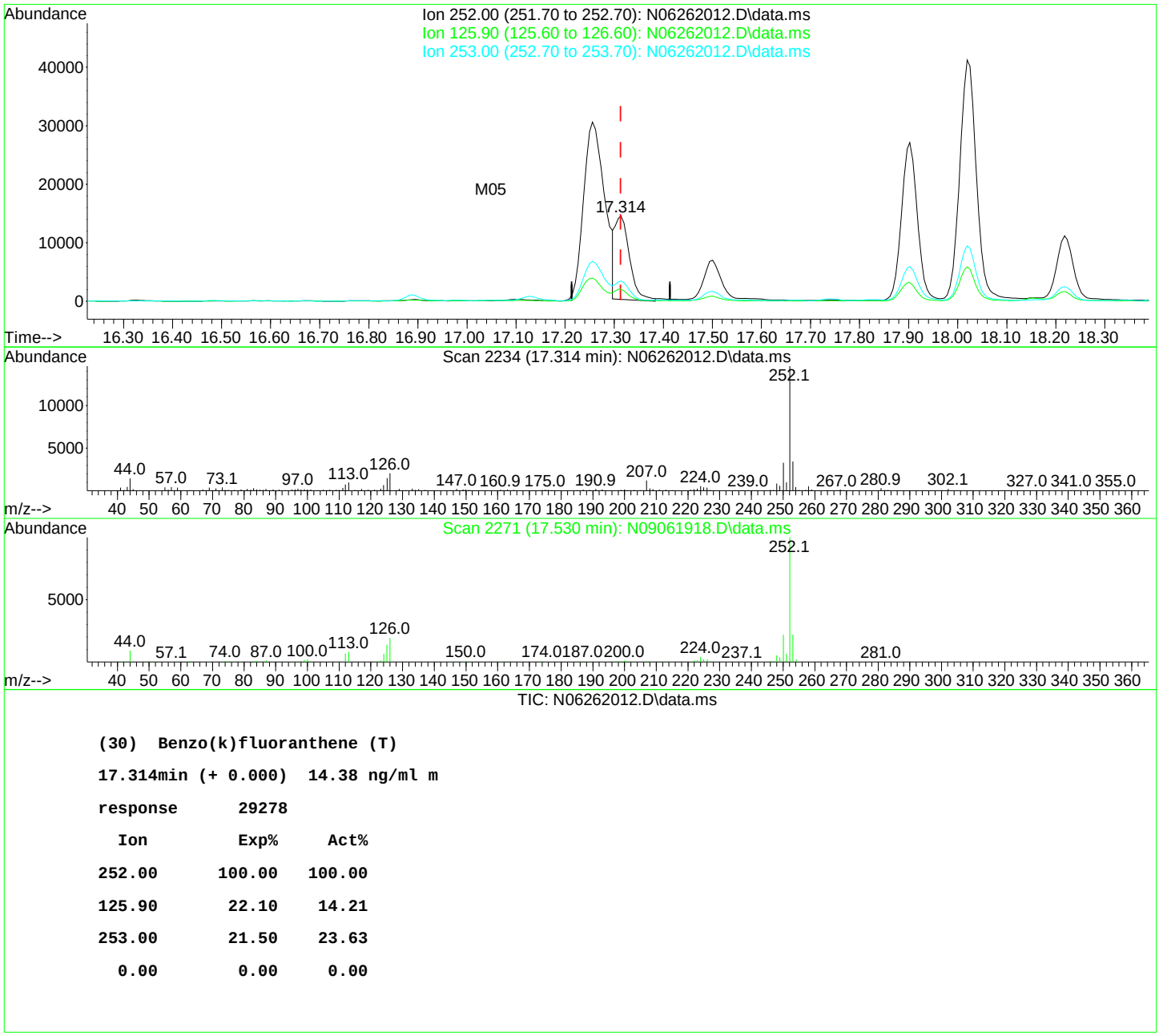
response 91717

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	12.90
253.00	21.10	22.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.314min (+ 0.000) 14.38 ng/ml m

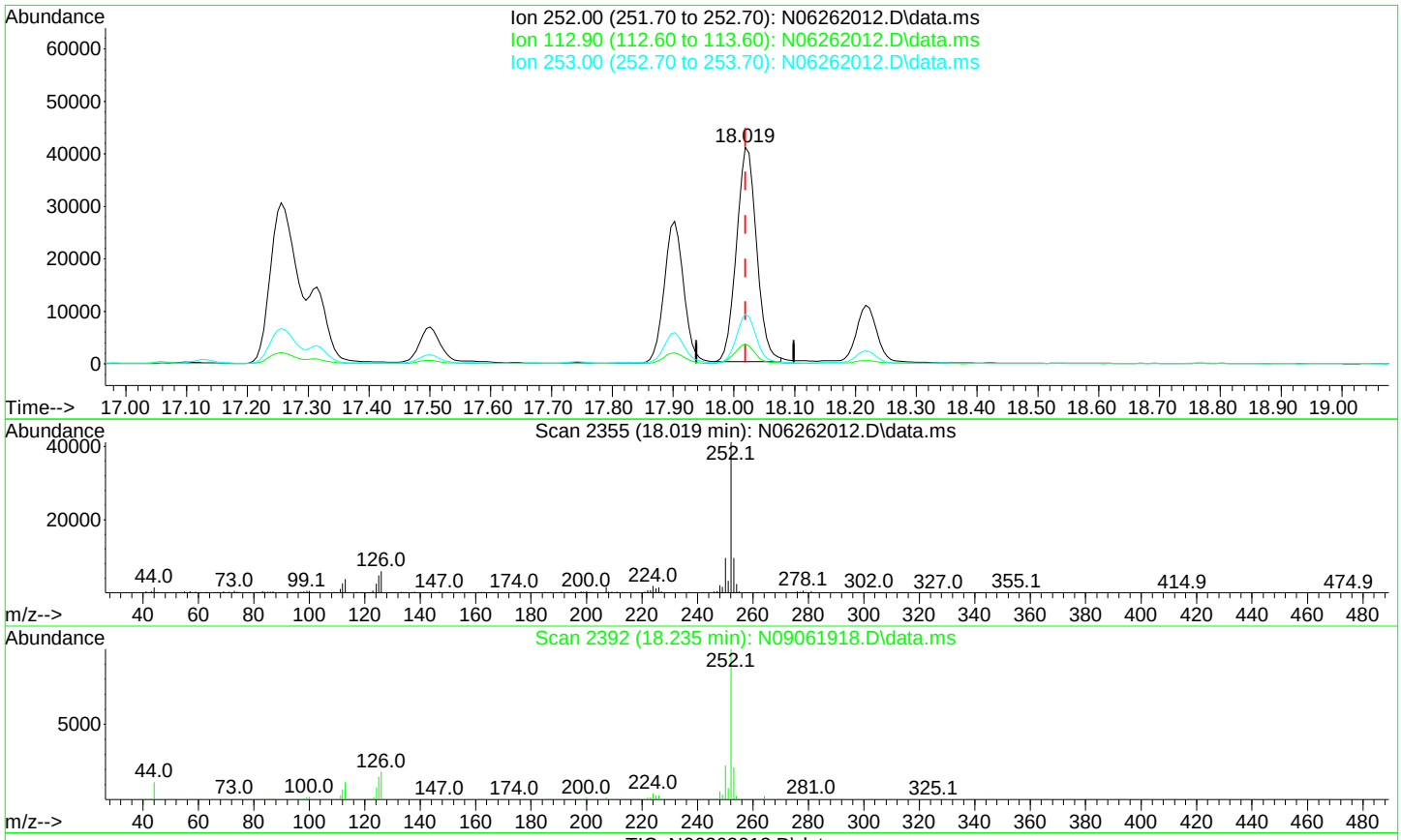
response 29278

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.21
253.00	21.50	23.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(33) Benzo(a)pyrene (T)

18.019min (+ 0.000) 57.74 ng/ml

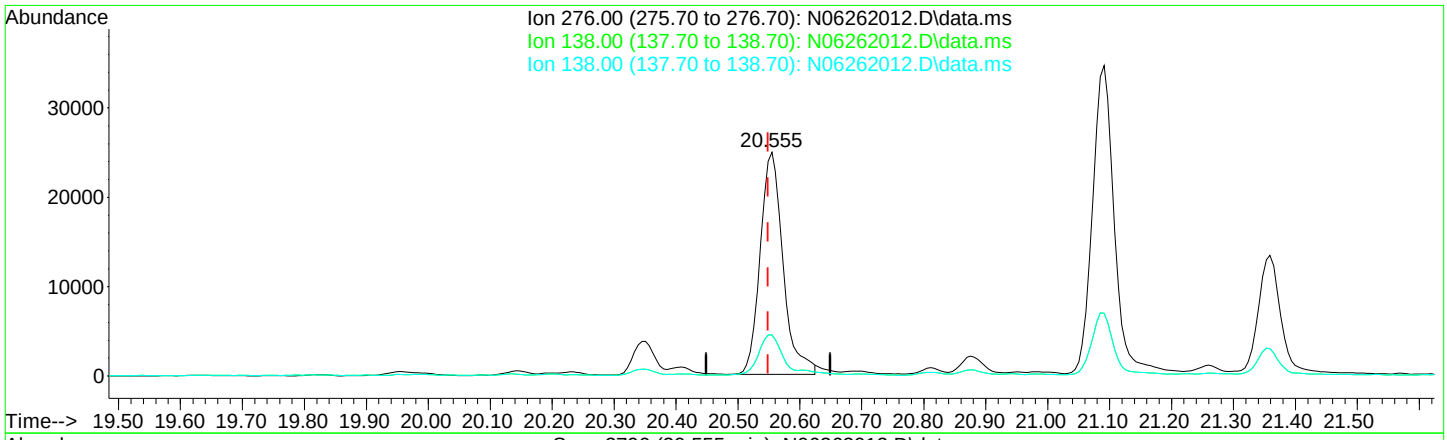
response 94749

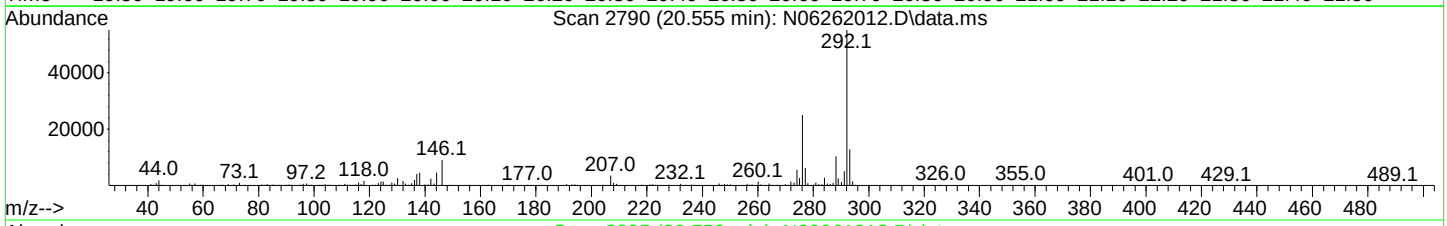
Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	9.17
253.00	21.90	23.00
0.00	0.00	0.00

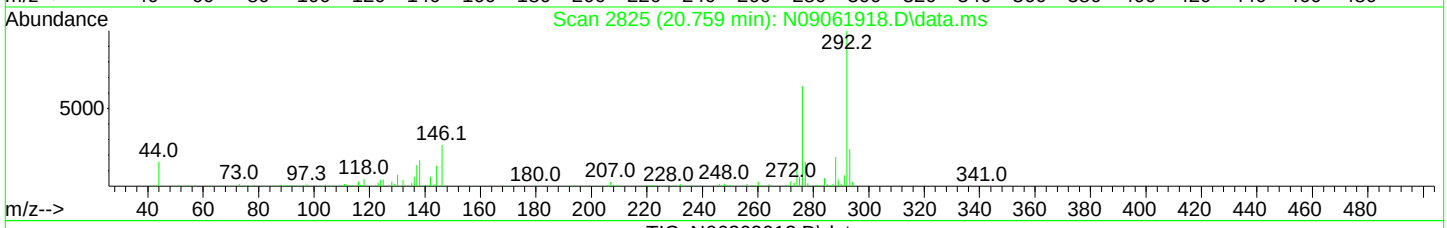
Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration







TIC: N06262012.D\data.ms

(36) Indeno(1,2,3-cd)Pyrene (T)

20.555min (+ 0.006) 34.92 ng/ml

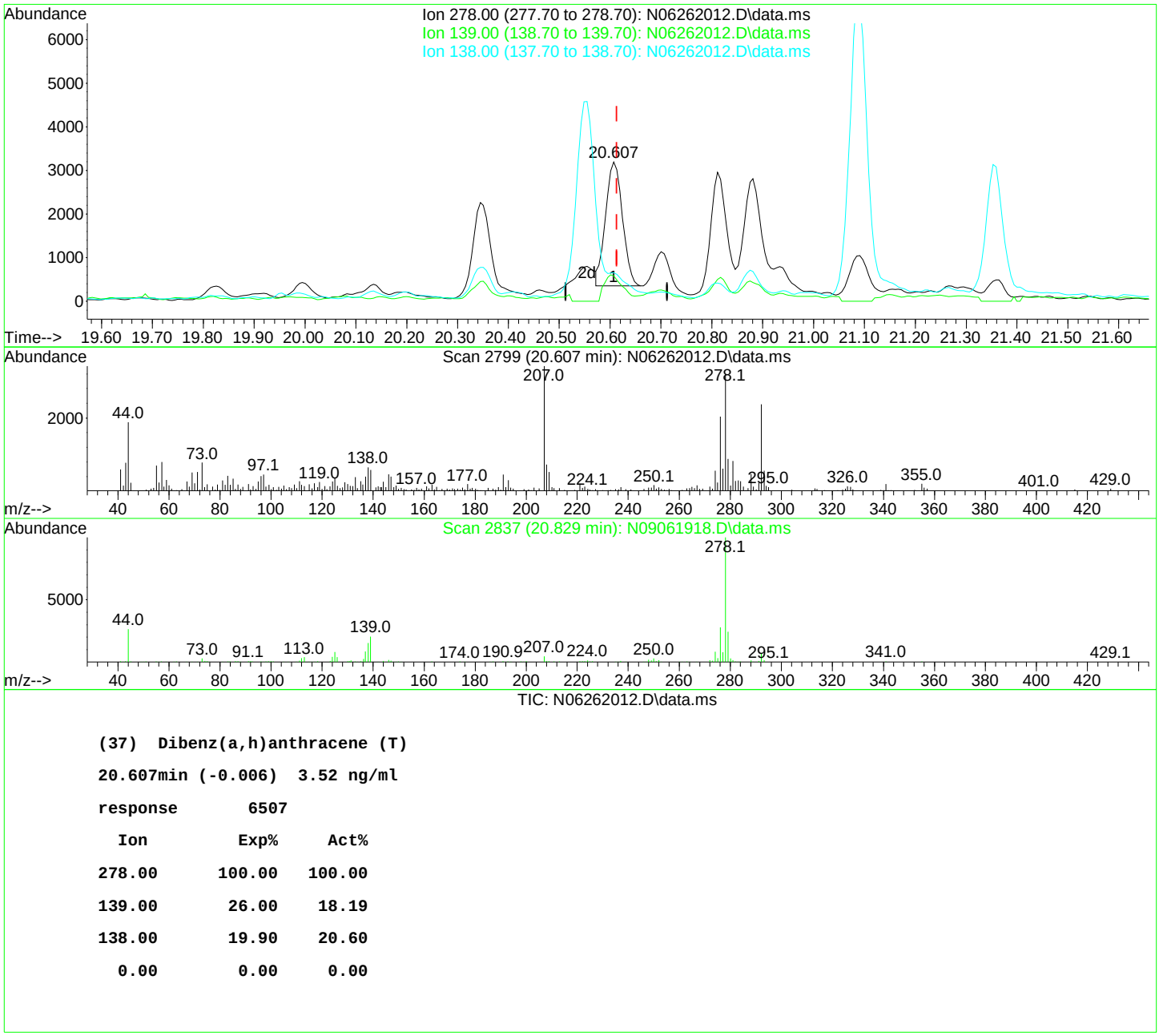
response 63972

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	18.30
138.00	31.60	18.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262012.D\data.ms

(37) Dibenz(a,h)anthracene (T)

20.607min (-0.006) 3.52 ng/ml

response 6507

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	18.19
138.00	19.90	20.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262012.D
Acq On : 26 Jun 2020 03:34 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-01RE1@10000
Misc : 10000x, 8270D LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 29 10:13:43 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
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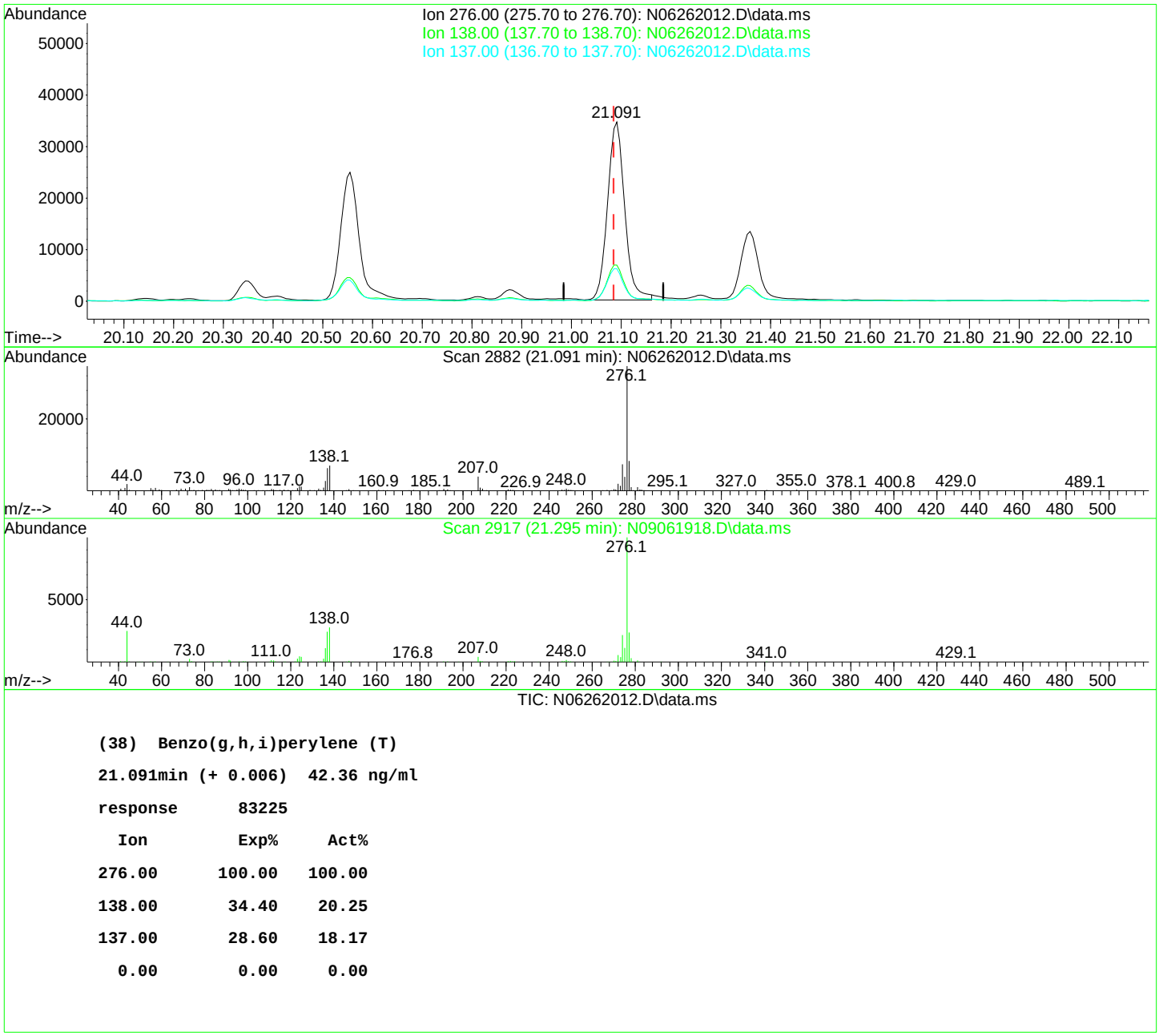

TIC: N06262012.D\data.ms

(38) Benzo(g,h,i)perylene (T)

21.091min (+ 0.006) 42.36 ng/ml

response 83225

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	34.40	20.25
137.00	28.60	18.17
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

HML 06/29/20

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:21:20 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.767	136	210153	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.515	162	142599	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.025	188	230626	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.691	240	193302	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.159	264	190360	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthrcene-d...	20.543	292	172692	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.067	82	172	0.26	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.833	172	286	0.13	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.773	244	308	0.16	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.784	128	40888	17.86	ng/ml	99
5) 2-Methylnaphthalene	8.466	142	32083	20.88	ng/ml	96
6) 1-Methylnaphthalene	8.565	142	24412	16.00	ng/ml	97
7) 1,1'-Biphenyl	8.932	154	2519	1.30	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.101	156	6057	4.56	ng/ml	95
11) Acenaphthylene	9.375	152	4150	1.56	ng/ml	94
12) Acenaphthene	9.550	153	51422	26.36	ng/ml	100
13) Dibenzofuran	9.725	168	3385	1.43	ng/ml	97
14) 1,6,7-Trimethylnaphtha...	9.935	170	1206	0.79	ng/ml#	67
15) Fluorene	10.075	166	17024	9.08	ng/ml	99
17) Dibenzothiopene	10.920	184	12075	5.18	ng/ml	94
18) Phenanthrene	11.048	178	103527	39.00	ng/ml	100
19) Anthracene	11.101	178	13454	6.19	ng/ml	98
20) Carbazole	11.270	167	11508	6.13	ng/ml	100
21) 1-Methylphenanthrene	11.672	192	2004	1.12	ng/ml	96
22) Fluoranthene	12.295	202	56752	21.69	ng/ml	95
24) Pyrene	12.575	202	72579	28.95	ng/ml	99
26) Benz(a)anthracene	14.674	228	9347	4.66	ng/ml#	52
27) Chrysene	14.749	228	11784	5.72	ng/ml	98
29) Benzo(b)fluoranthene	17.256	252	11892	6.04	ng/ml	91
30) Benzo(k)fluoranthene	17.308	252	3972m	2.02	ng/ml	
31) Benzo(b+k)fluoranthene	17.256	252	17138	8.28	ng/ml	89
32) Benzo(e)pyrene	17.903	252	8005	3.89	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:21:20 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33)	Benzo(a)pyrene	18.019	252	12515	8.36	ng/ml	95
34)	Perylene	18.217	252	4251	2.01	ng/ml	94
36)	Indeno(1,2,3-cd)Pyrene	20.549	276	10719	5.71	ng/ml	85
37)	Dibenz(a,h)anthracene	20.607	278	885	0.47	ng/ml	90
38)	Benzo(g,h,i)perylene	21.091	276	13271	6.59	ng/ml	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
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Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
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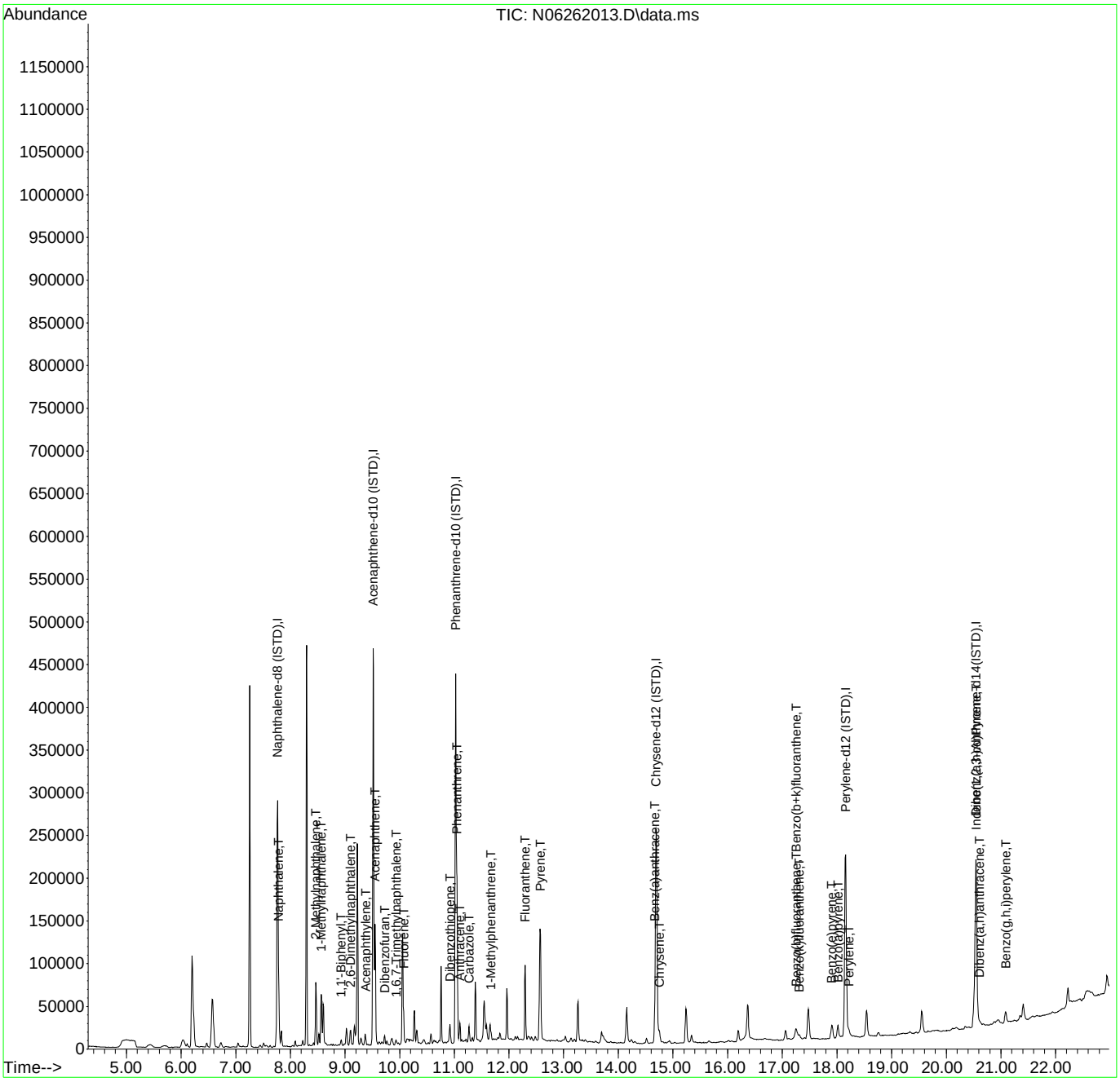

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:18:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
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25) Terphenyl-d14 (Surr)	12.773	244	308	0.16	ng/ml	0.00
Target Compounds						Qvalue
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29) Benzo(b)fluoranthene	17.256	252	11892	6.04	ng/ml	91
30) Benzo(k)fluoranthene	17.256	252	14926	7.61	ng/ml	89
31) Benzo(b+k)fluoranthene	17.256	252	17138	8.28	ng/ml	89
32) Benzo(e)pyrene	17.903	252	8005	3.89	ng/ml	97

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QLast Update : Tue Jun 09 09:45:26 2020
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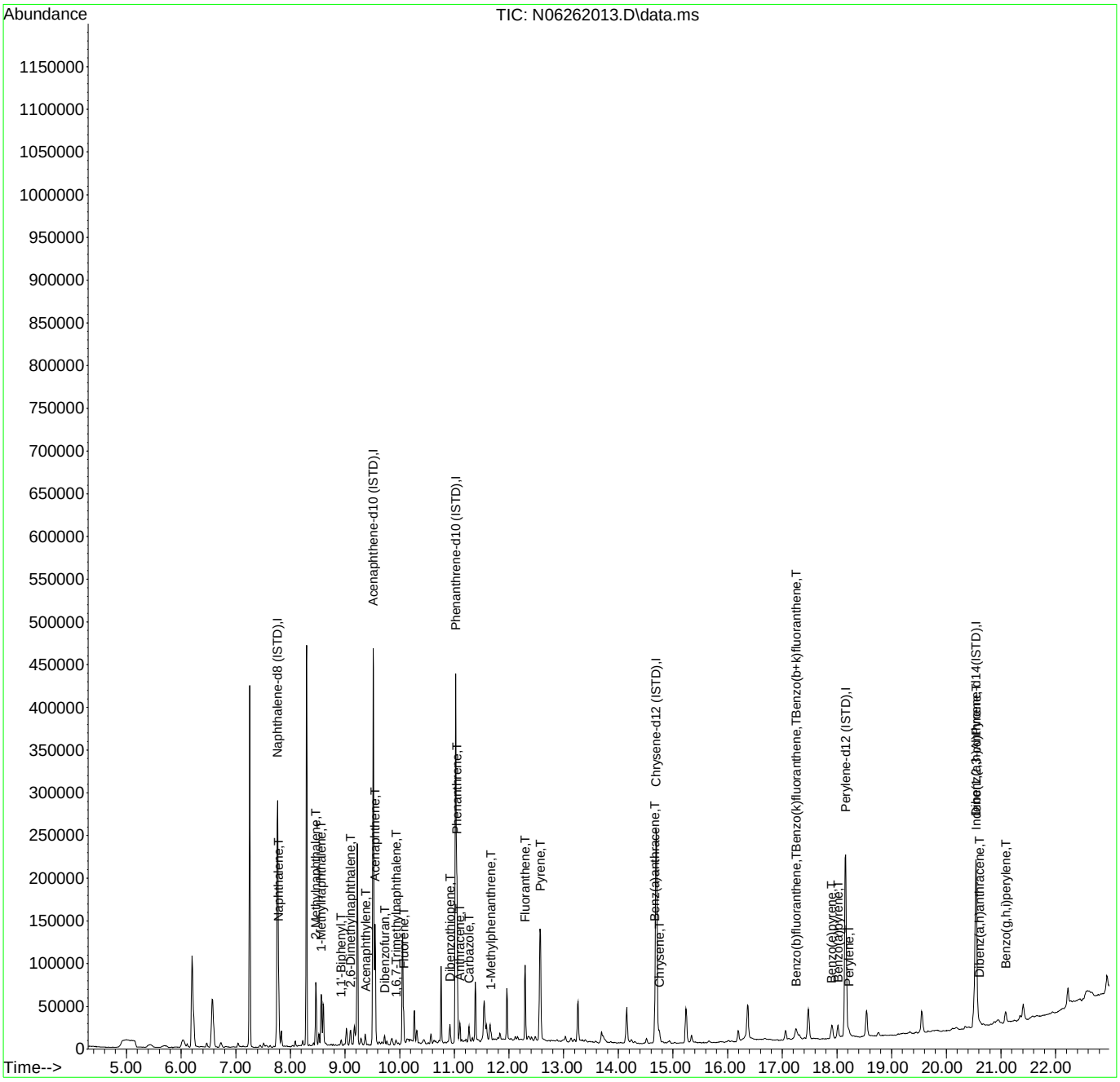

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
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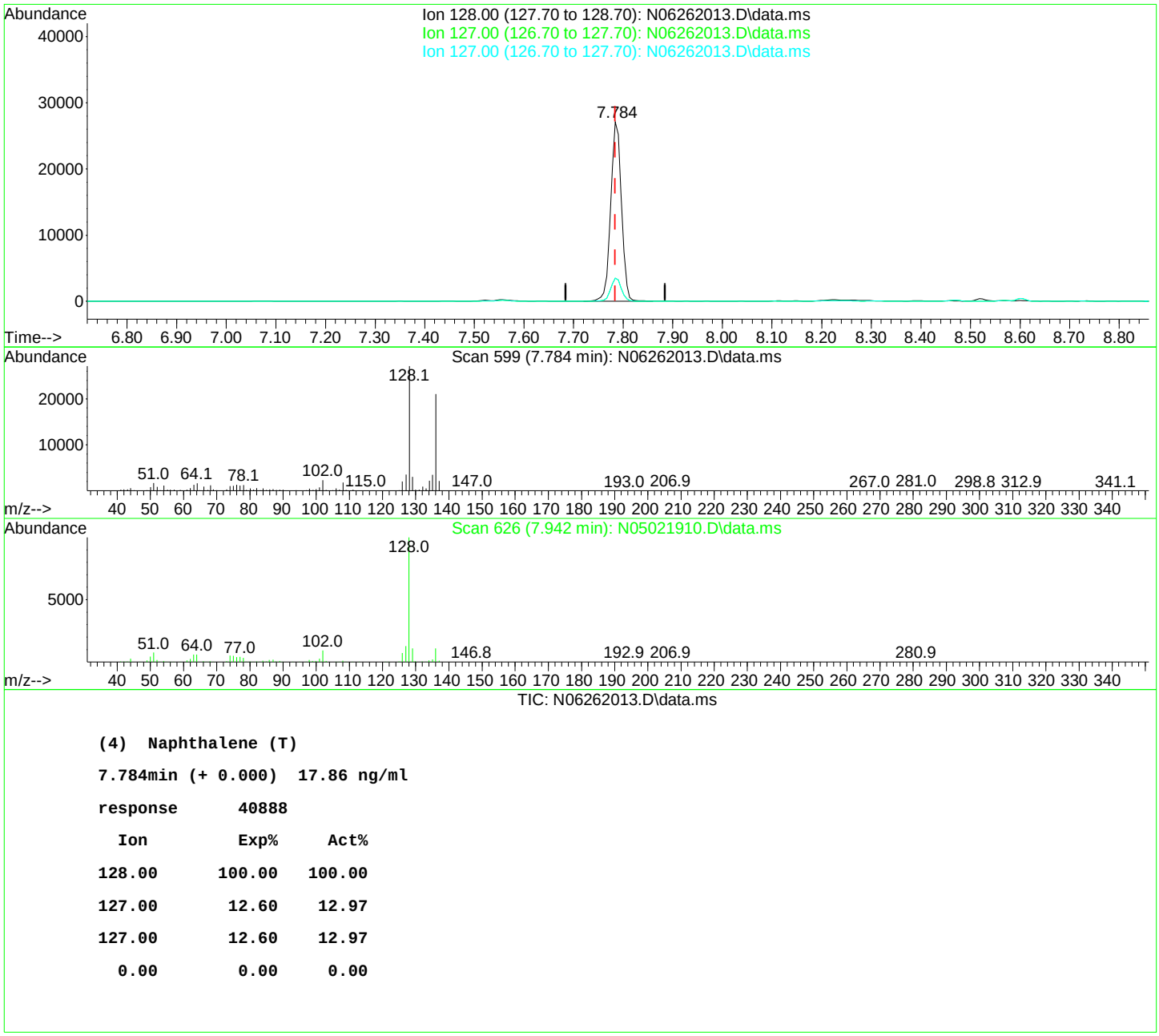
Quant Time: Jun 29 10:18:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262013.D\data.ms

(4) Naphthalene (T)

7.784min (+ 0.000) 17.86 ng/ml

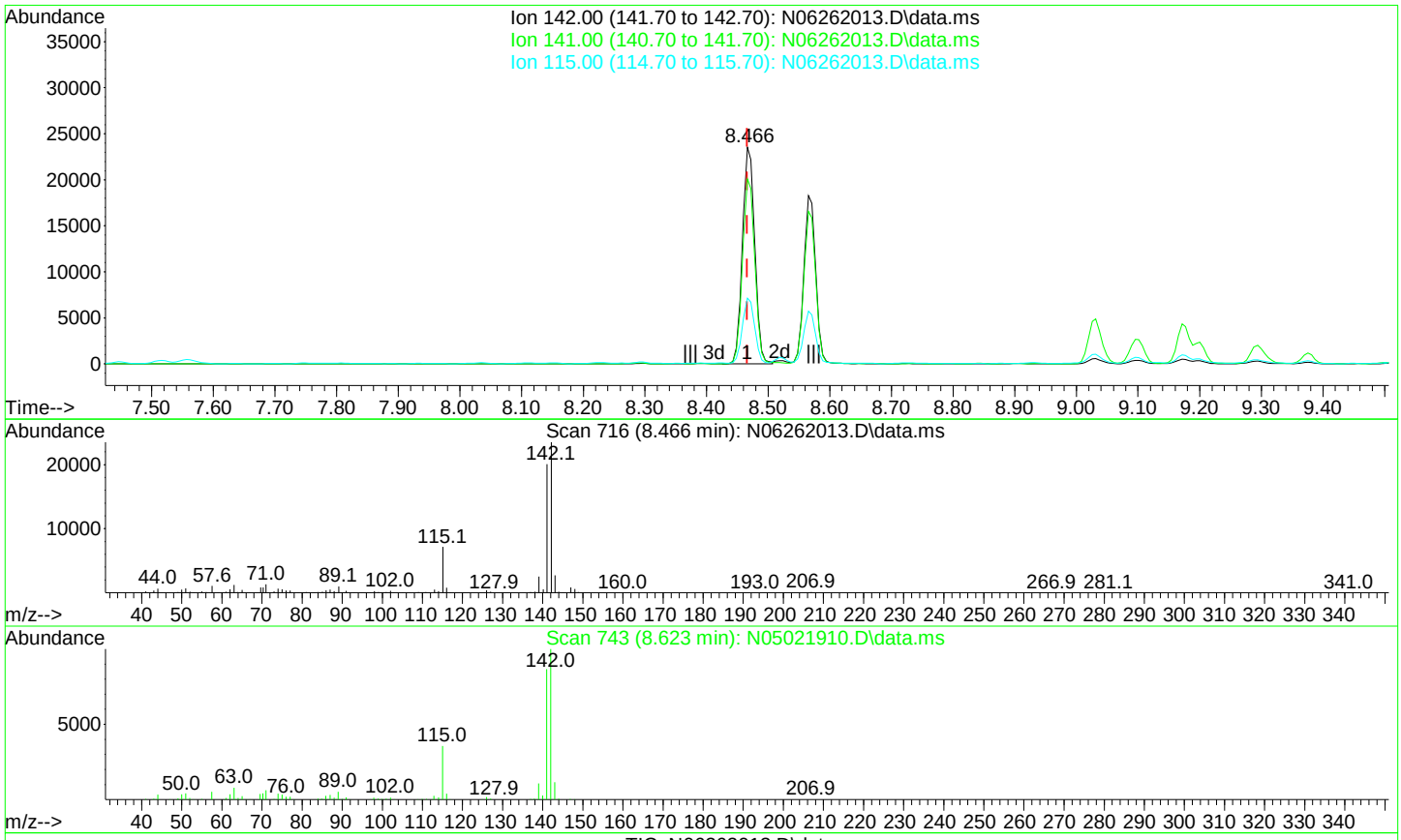
response 40888

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.97
127.00	12.60	12.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:18:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262013.D\data.ms

(5) 2-Methylnaphthalene (T)

8.466min (+ 0.000) 20.88 ng/ml

response 32083

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	85.31
115.00	35.70	30.45
0.00	0.00	0.00

Quantitation Report (Qedit)

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Misc : 1000x, 8270D LL PAH ONLY
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Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
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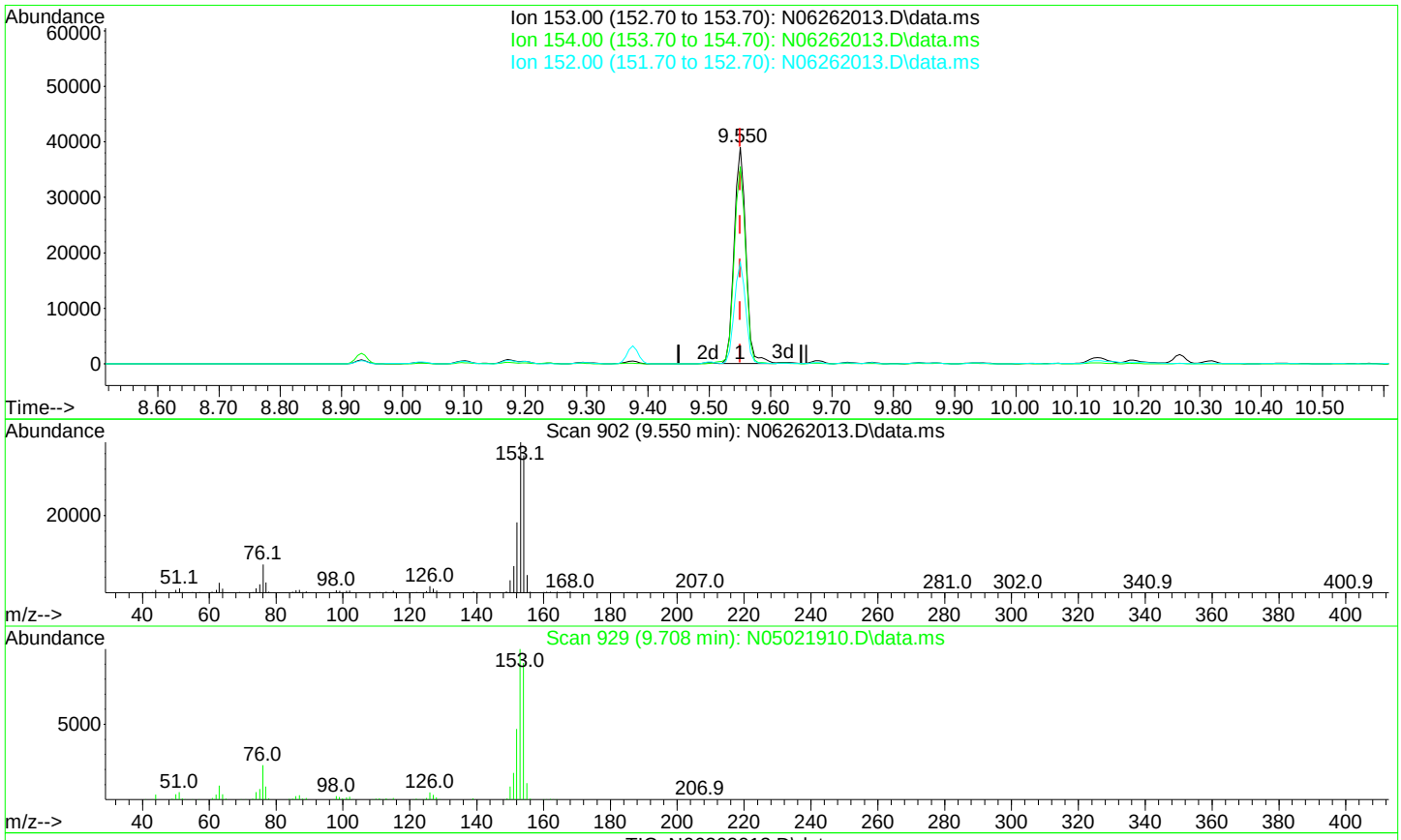

TIC: N06262013.D\data.ms

(12) Acenaphthene (T)

9.550min (+ 0.000) 26.36 ng/ml

response 51422

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	91.16
152.00	46.80	46.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
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Quant Title : EPA 8270D: Semivolatile Organics
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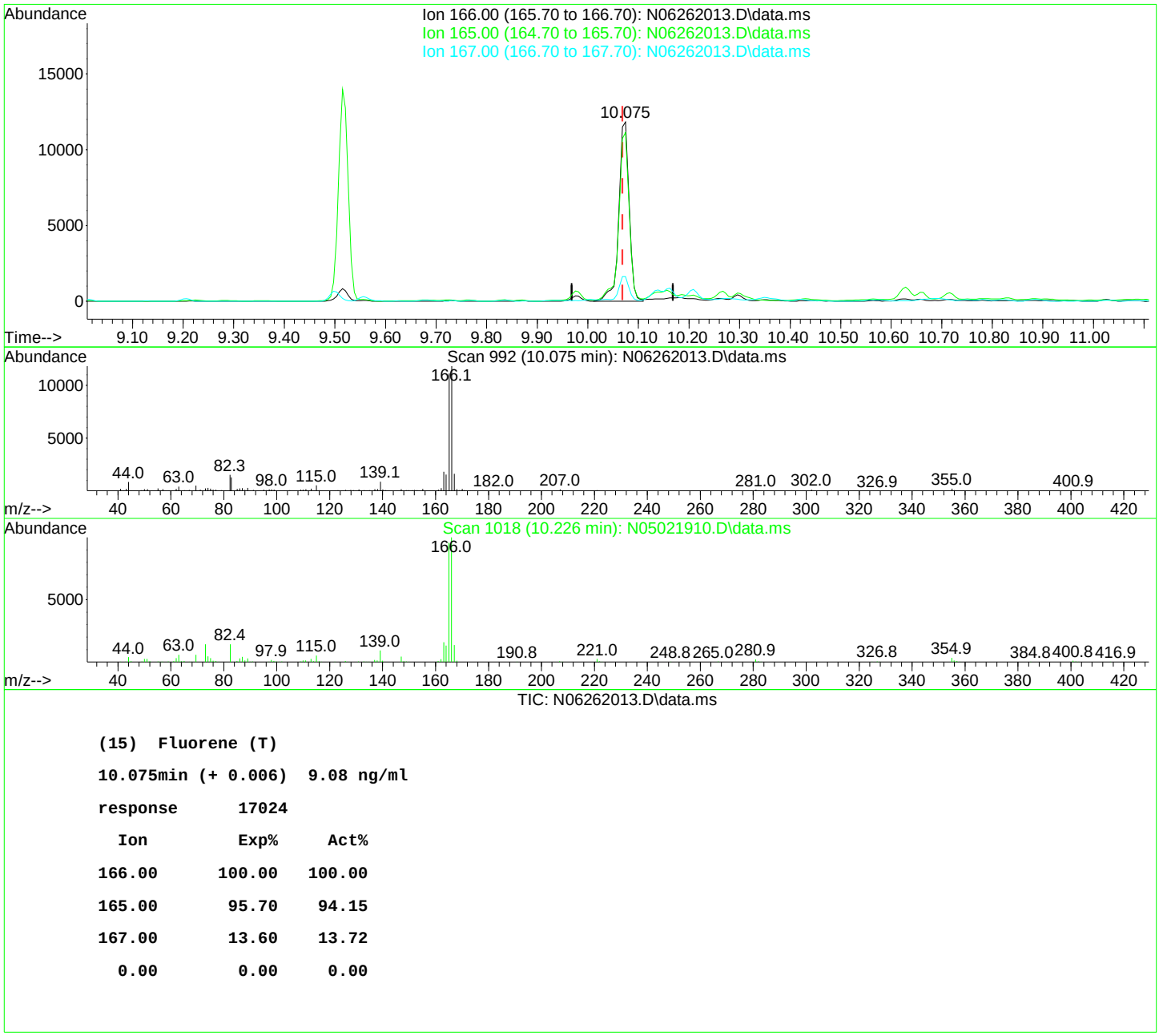


TIC: N06262013.D\data.ms

(15) Fluorene (T)

10.075min (+ 0.006) 9.08 ng/ml

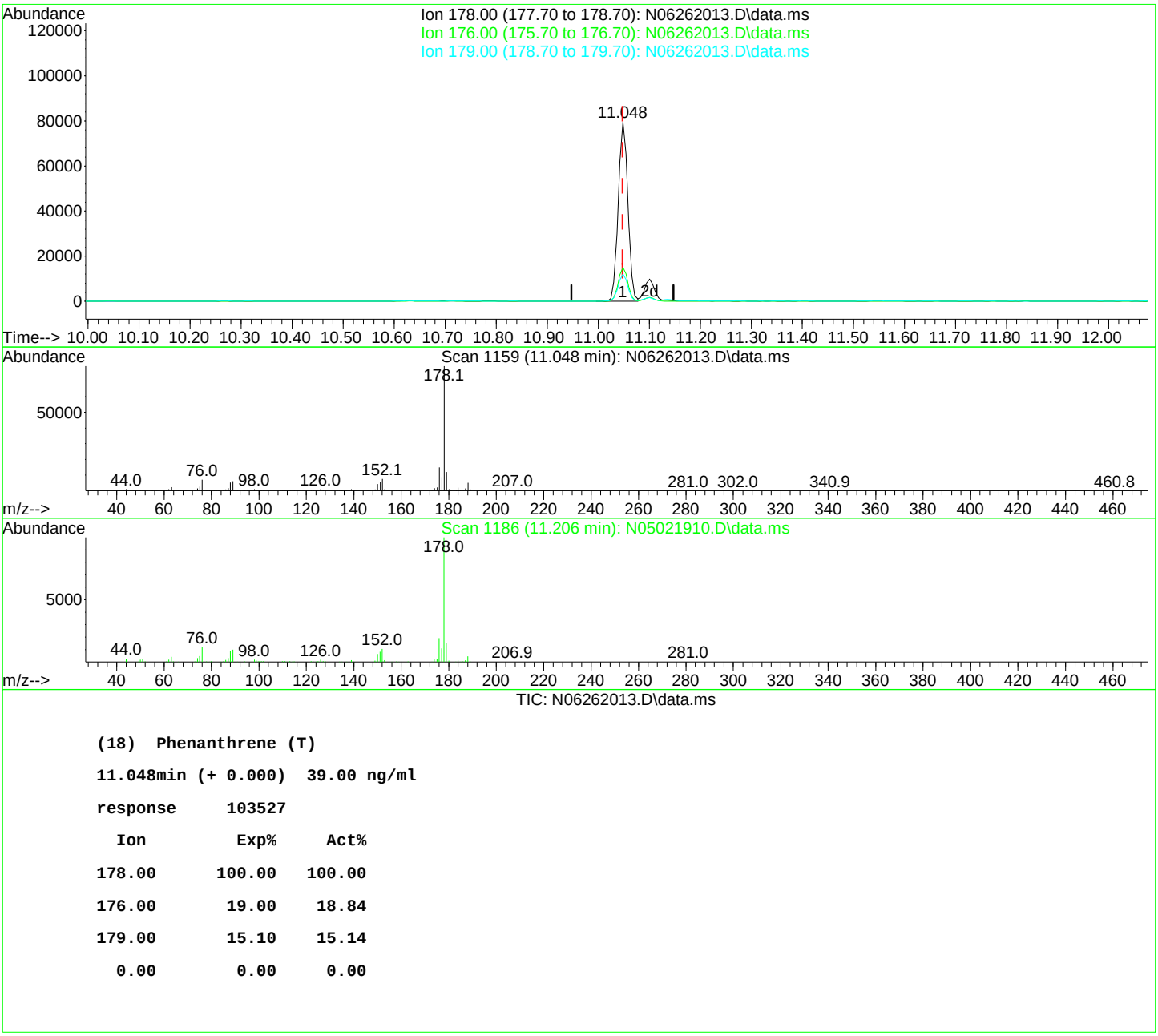
response 17024

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	94.15
167.00	13.60	13.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:18:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262013.D\data.ms

(18) Phenanthrene (T)

11.048min (+ 0.000) 39.00 ng/ml

response 103527

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.84
179.00	15.10	15.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
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Quant Time: Jun 29 10:18:11 2020
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Quant Title : EPA 8270D: Semivolatile Organics
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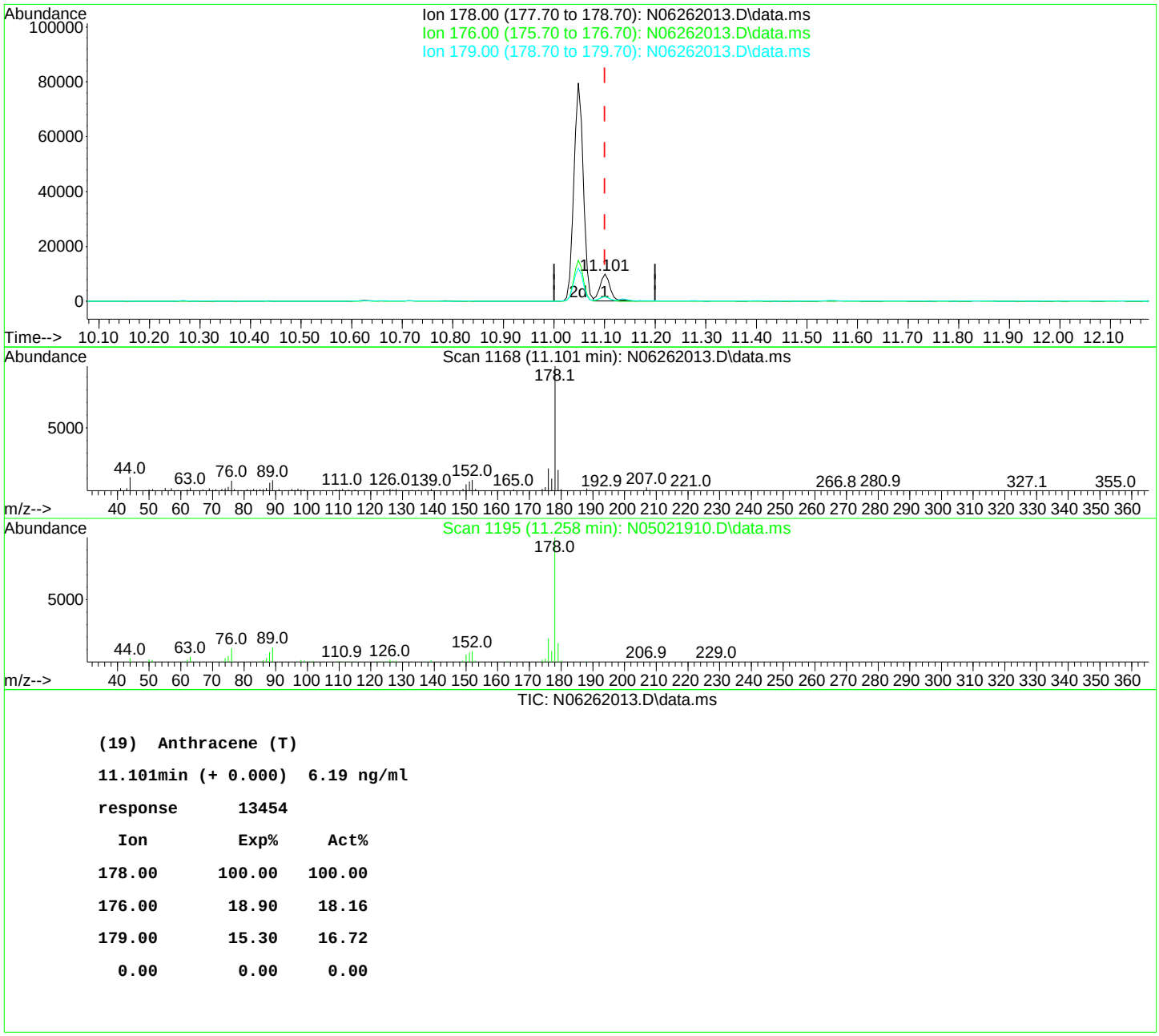

TIC: N06262013.D\data.ms

(19) Anthracene (T)

11.101min (+ 0.000) 6.19 ng/ml

response 13454

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.16
179.00	15.30	16.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
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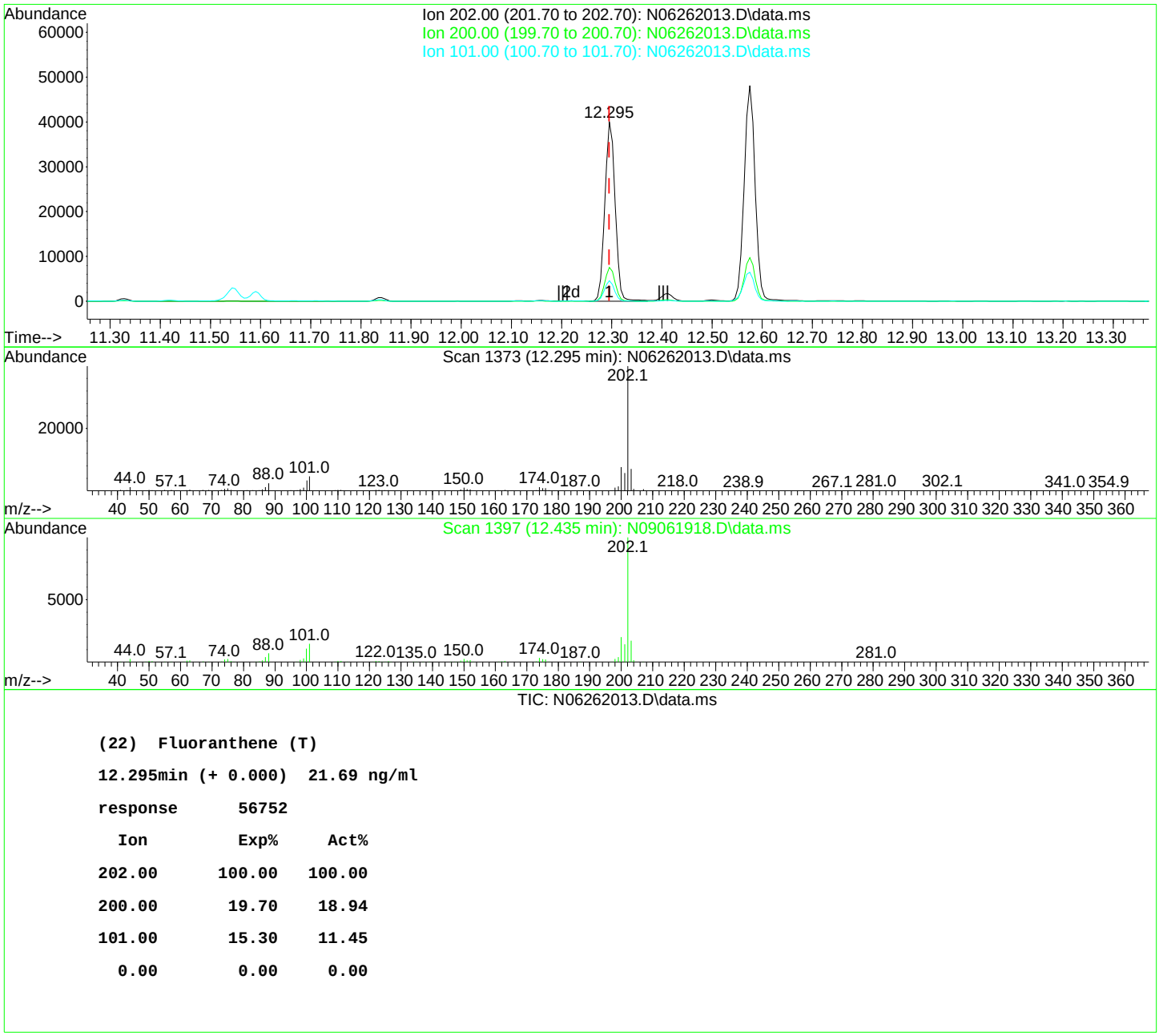

TIC: N06262013.D\data.ms

(22) Fluoranthene (T)

12.295min (+ 0.000) 21.69 ng/ml

response 56752

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	18.94
101.00	15.30	11.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
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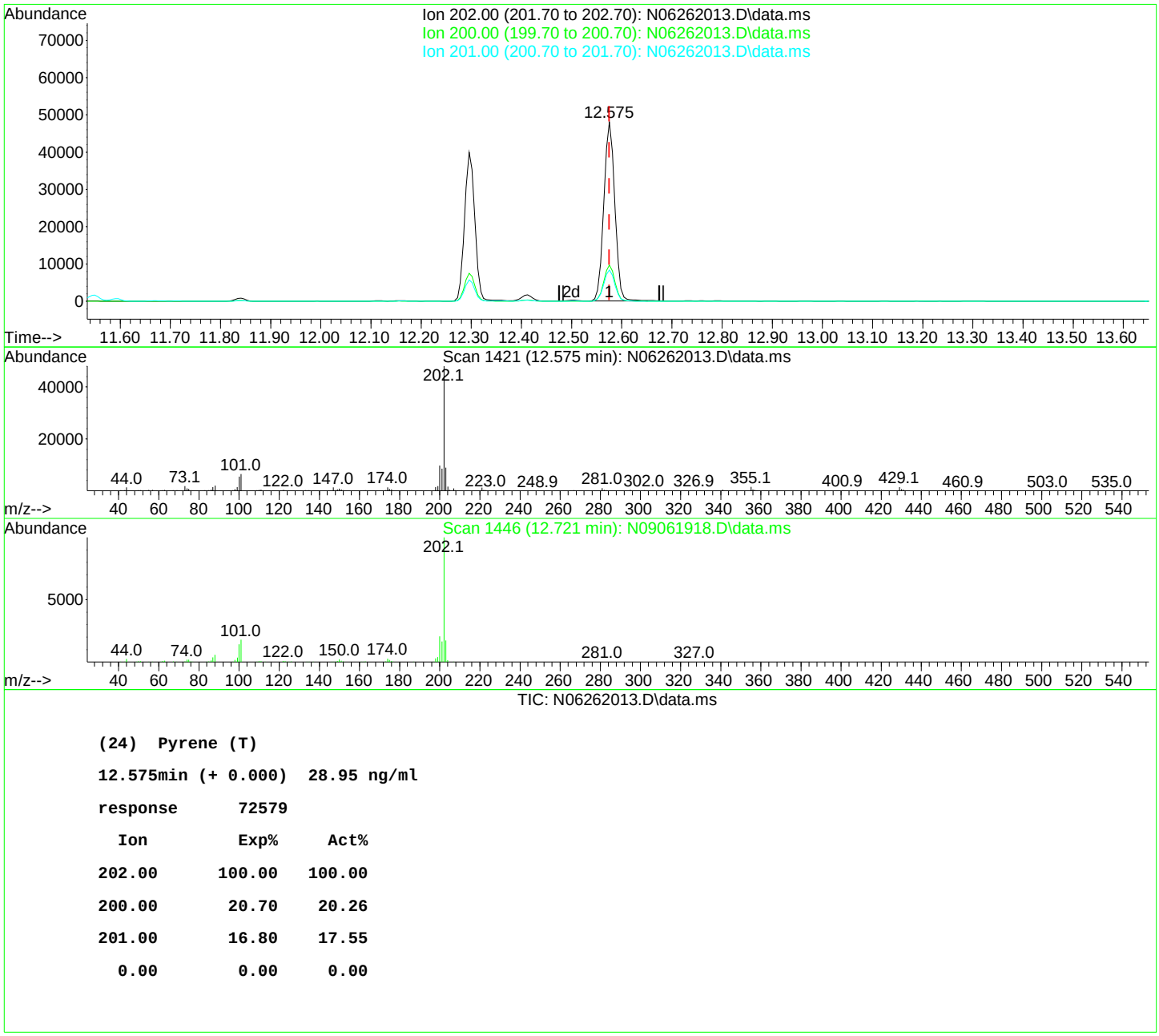

TIC: N06262013.D\data.ms

(24) Pyrene (T)

12.575min (+ 0.000) 28.95 ng/ml

response 72579

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.26
201.00	16.80	17.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
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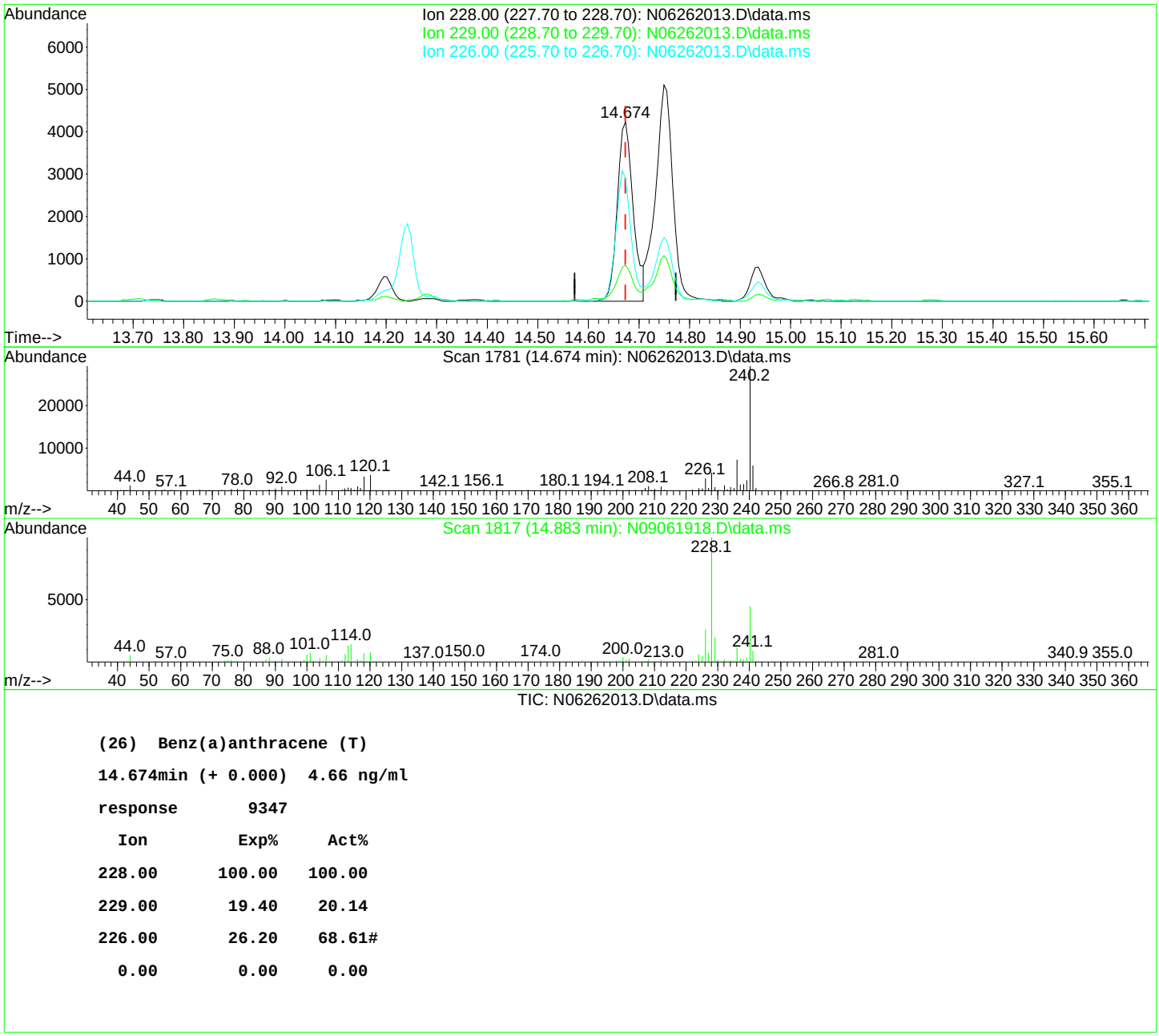

TIC: N06262013.D\data.ms

(26) Benz(a)anthracene (T)

14.674min (+ 0.000) 4.66 ng/ml

response 9347

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.14
226.00	26.20	68.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

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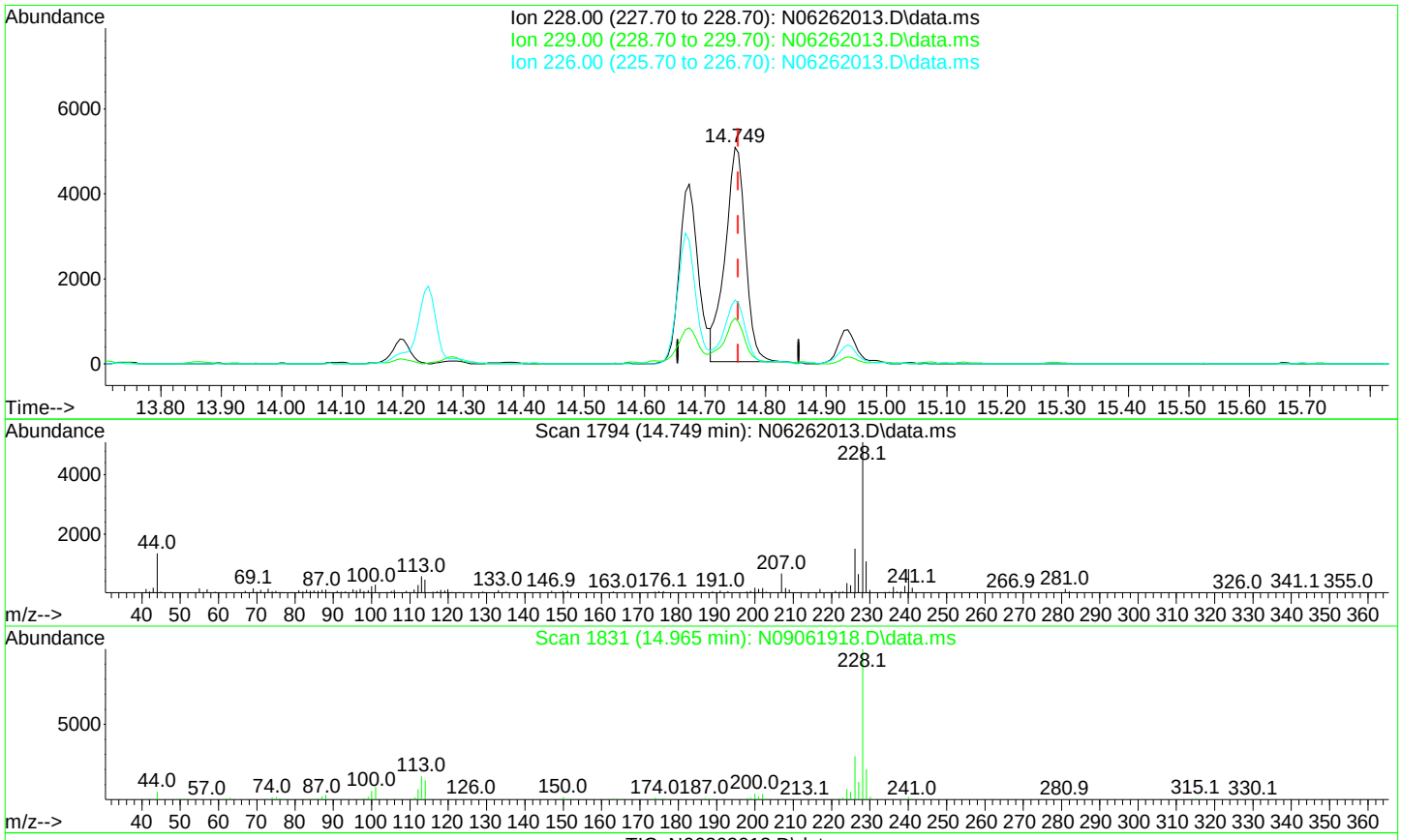

TIC: N06262013.D\data.ms

(27) Chrysene (T)

14.749min (-0.006) 5.72 ng/ml

response 11784

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.11
226.00	28.60	29.57
0.00	0.00	0.00

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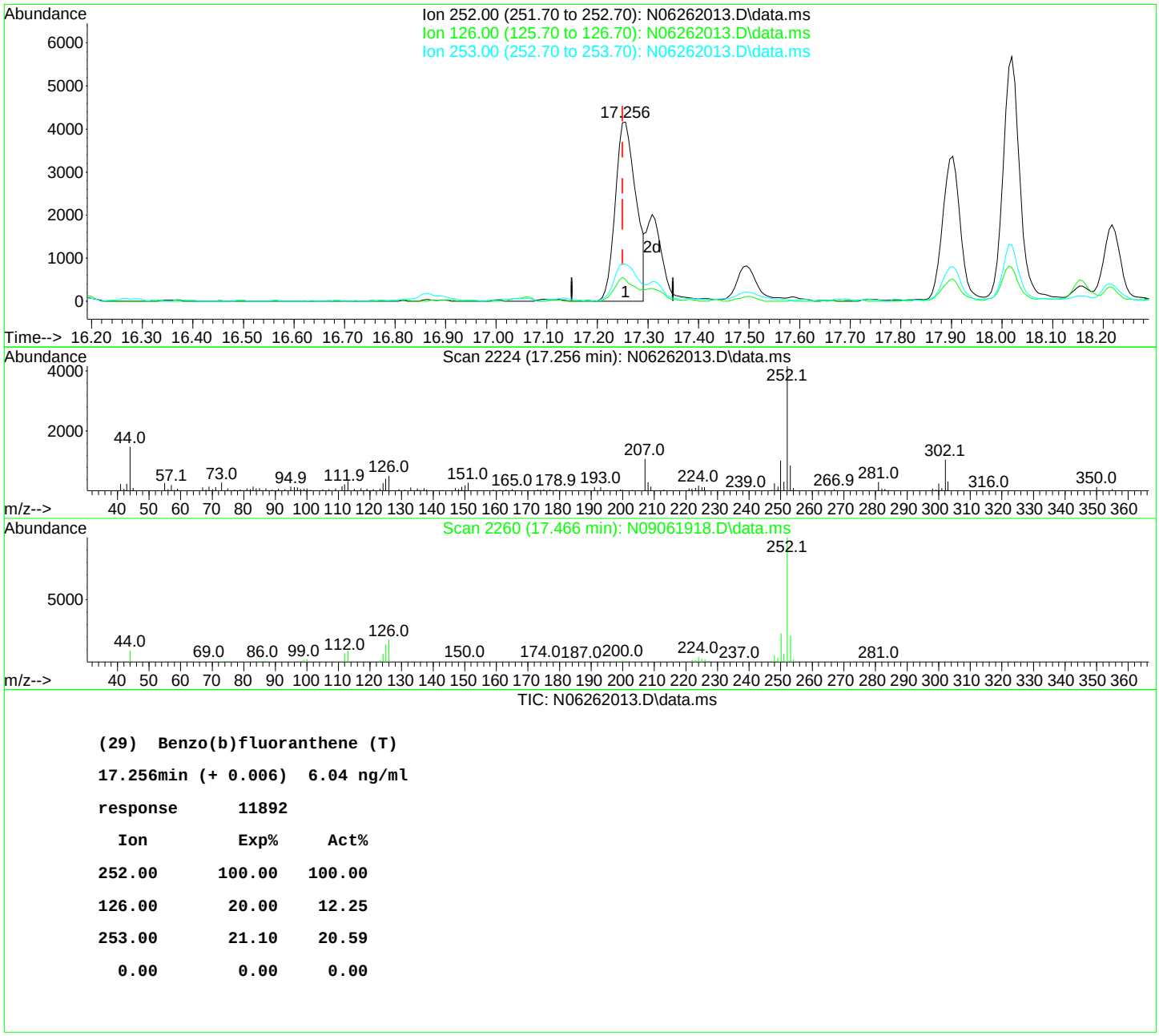
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262013.D\data.ms

(29) Benzo(b)fluoranthene (T)

17.256min (+ 0.006) 6.04 ng/ml

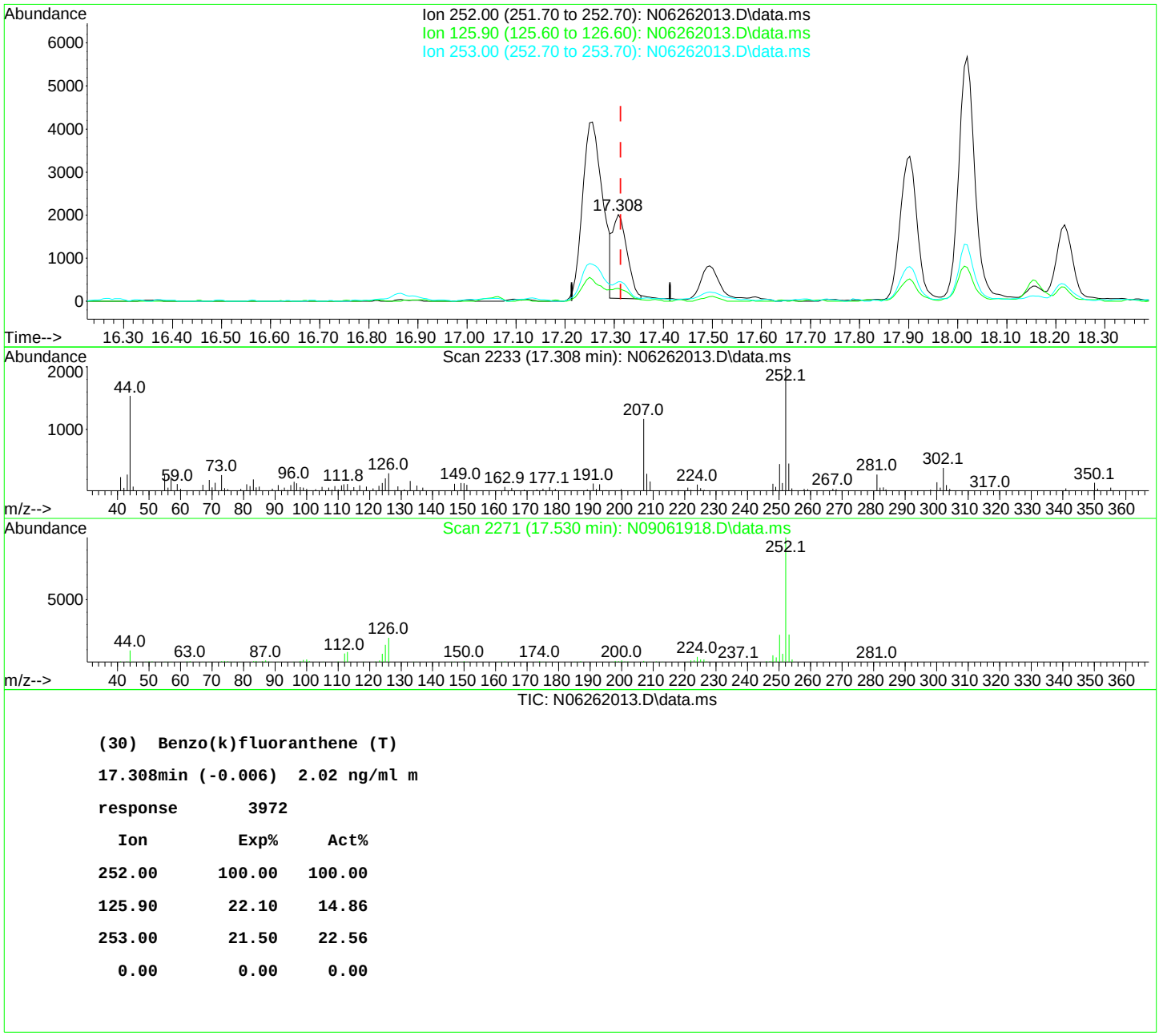
response 11892

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	12.25
253.00	21.10	20.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:18:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262013.D\data.ms

(30) Benzo(k)fluoranthene (T)

17.308min (-0.006) 2.02 ng/ml m

response 3972

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.86
253.00	21.50	22.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:18:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration

TIC: N06262013.D\data.ms

(33) Benzo(a)pyrene (T)

18.019min (+ 0.000) 8.36 ng/ml

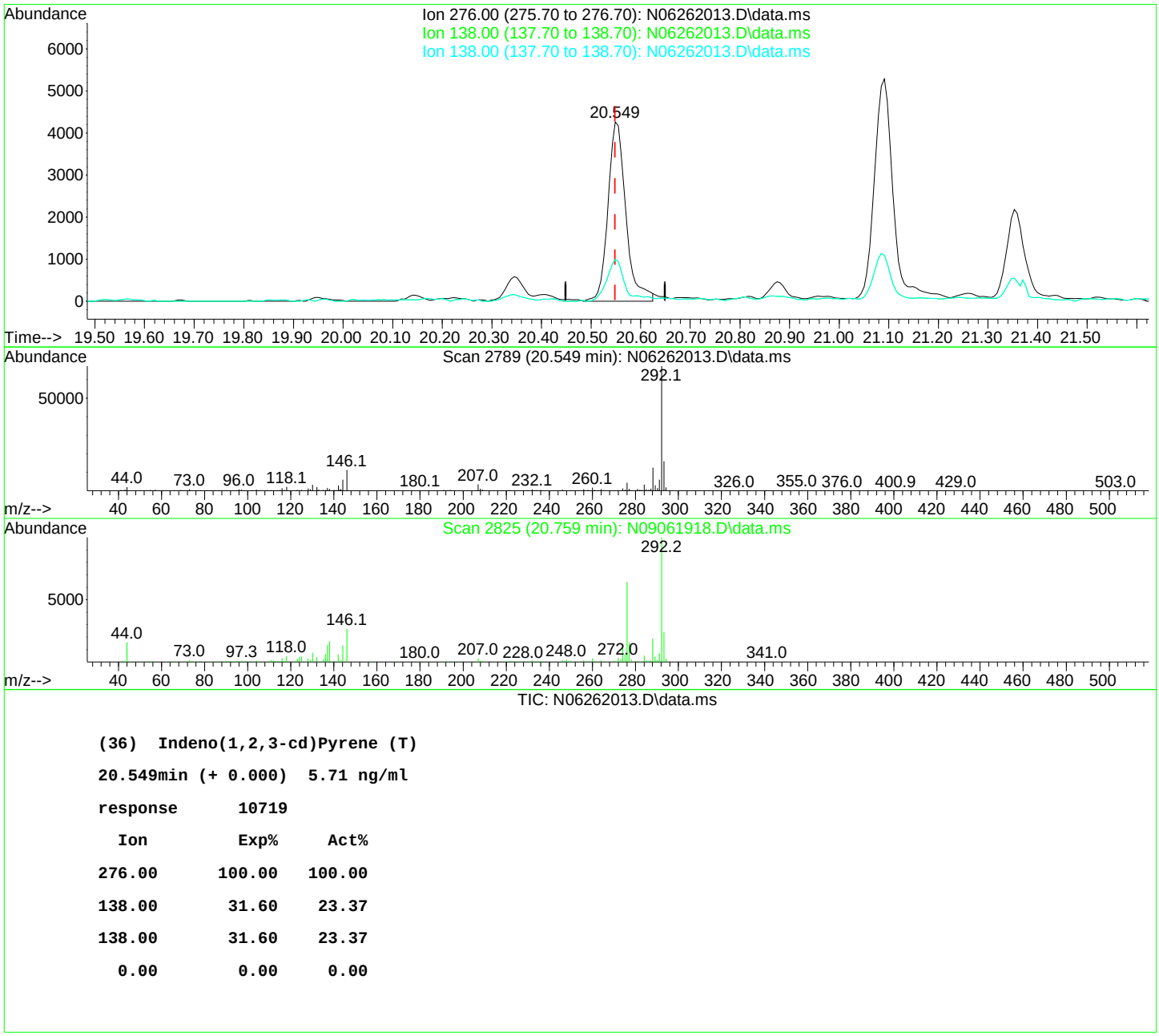
response 12515

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	9.01
253.00	21.90	23.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:18:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.549min (+ 0.000) 5.71 ng/ml

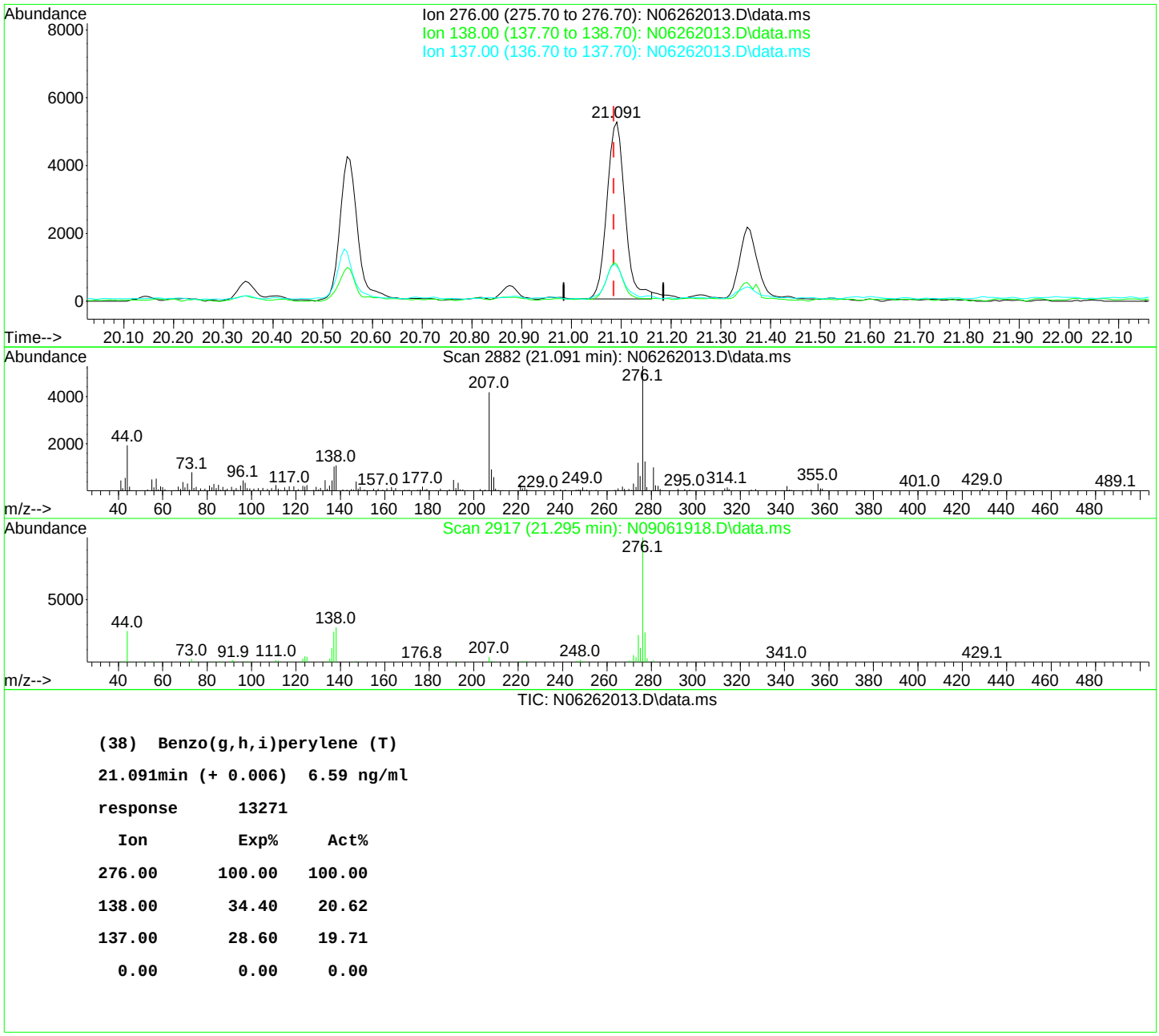
response 10719

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	23.37
138.00	31.60	23.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-06\0F26021\
Data File : N06262013.D
Acq On : 26 Jun 2020 04:06 pm
Operator : JK/ AMS/ DTH
Sample : A0F0667-02RE1@1000
Misc : 1000x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 29 10:18:11 2020
Quant Method : R:\methods\SV14_040720_PAHR6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Tue Jun 09 09:45:26 2020
Response via : Initial Calibration



TIC: N06262013.D\data.ms

(38) Benzo(g,h,i)perylene (T)

21.091min (+ 0.006) 6.59 ng/ml

response 13271

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	34.40	20.62
137.00	28.60	19.71
0.00	0.00	0.00

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

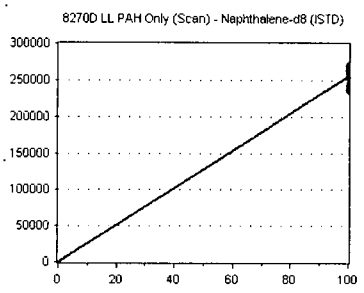
Element Calibration Review Sheet

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**

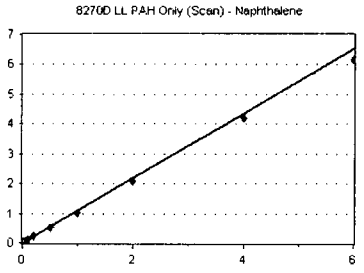


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	243074	2430.740	7.91
0D07056-CAL2	100	243705	2437.050	7.91
0D07056-CAL3	100	254846	2548.460	7.91
0D07056-CAL4	100	270985	2709.850	7.91
0D07056-CAL5	100	258751	2587.510	7.91
0D07056-CAL6	100	265079	2650.790	7.91
0D07056-CAL7	100	270936	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**

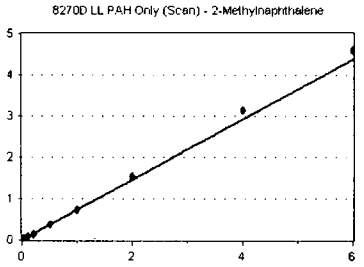


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2892	1.190	7.93
0D07056-CAL2	2	5600	1.149	7.92
0D07056-CAL3	5	14431	1.133	7.92
0D07056-CAL4	10	29903	1.103	7.92
0D07056-CAL5	20	57019	1.102	7.92
0D07056-CAL6	50	140541	1.060	7.92
0D07056-CAL7	100	278907	1.029	7.92
0D07056-CAL8	200	543013	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**

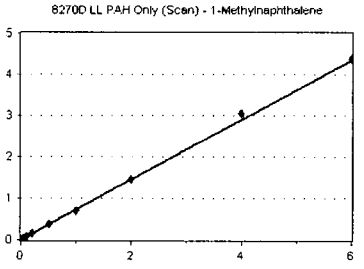


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1659	0.683	8.61
0D07056-CAL2	2	3410	0.700	8.61
0D07056-CAL3	5	9092	0.714	8.61
0D07056-CAL4	10	19067	0.704	8.61
0D07056-CAL5	20	37992	0.734	8.61
0D07056-CAL6	50	97673	0.737	8.61
0D07056-CAL7	100	195774	0.723	8.61
0D07056-CAL8	200	396823	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**

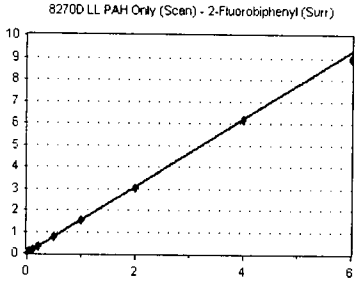
Element Calibration Review Sheet

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**

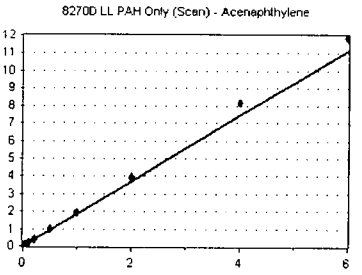


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2174	1.452	8.97
0D07056-CAL2	2	4191	1.546	8.97
0D07056-CAL3	5	10979	1.670	8.97
0D07056-CAL4	10	22576	1.605	8.97
0D07056-CAL5	20	46527	1.567	8.97
0D07056-CAL6	50	113161	1.545	8.97
0D07056-CAL7	100	225961	1.533	8.97
0D07056-CAL8	200	456518	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**

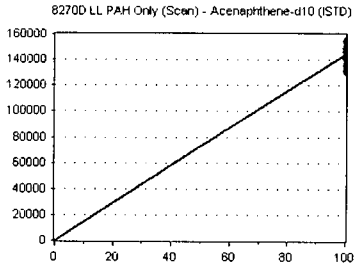


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2466	1.648	9.52
0D07056-CAL2	2	4668	1.722	9.52
0D07056-CAL3	5	11532	1.754	9.52
0D07056-CAL4	10	25120	1.785	9.52
0D07056-CAL5	20	55074	1.855	9.52
0D07056-CAL6	50	141318	1.929	9.52
0D07056-CAL7	100	287167	1.948	9.52
0D07056-CAL8	200	596158	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**

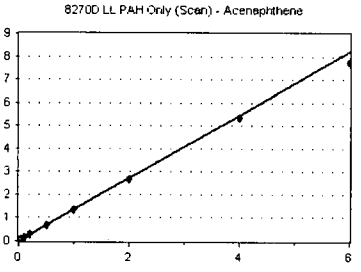


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	149679	1496.790	9.66
0D07056-CAL2	100	135566	1355.660	9.66
0D07056-CAL3	100	131499	1314.990	9.66
0D07056-CAL4	100	140702	1407.020	9.66
0D07056-CAL5	100	148424	1484.240	9.66
0D07056-CAL6	100	146492	1464.920	9.66
0D07056-CAL7	100	147420	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

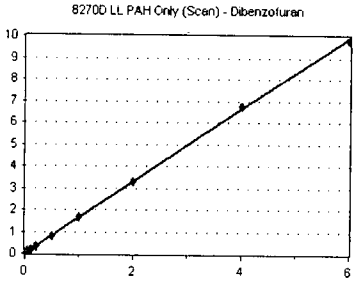
AVE RF **1.368** RF RSD **3.00** AVE RT **9.70**

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

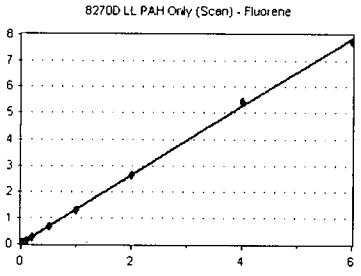


Curve Fit: **AVERAGE RF**

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

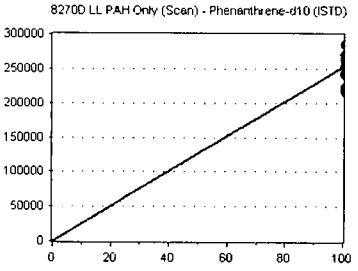


Curve Fit: **AVERAGE RF**

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)

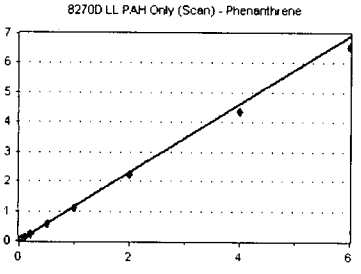


Curve Fit: **AVERAGE RF**

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

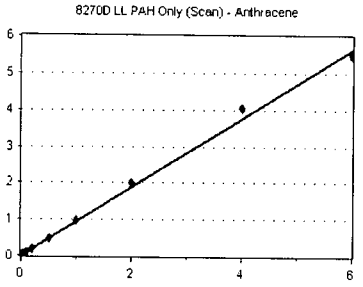
AVE RF **1.151** RF RSD **5.45** AVE RT **11.19**

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

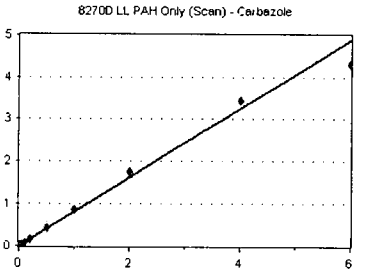


Curve Fit: **AVERAGE RF**

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

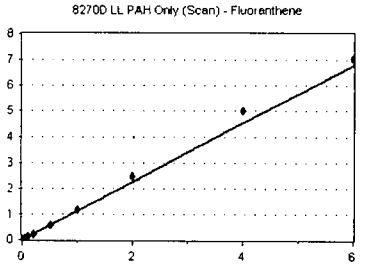


Curve Fit: **AVERAGE RF**

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

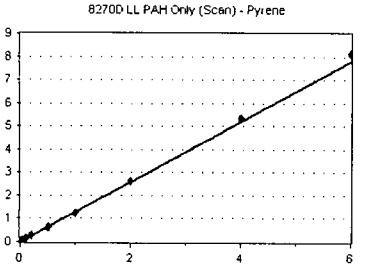


Curve Fit: **AVERAGE RF**

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**

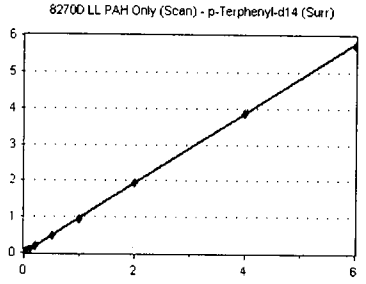
Element Calibration Review Sheet

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**

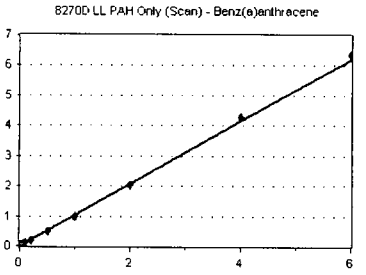


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2235	0.994	12.95
0D07056-CAL2	2	3444	0.919	12.95
0D07056-CAL3	5	9709	0.942	12.95
0D07056-CAL4	10	22061	0.984	12.96
0D07056-CAL5	20	43811	1.020	12.96
0D07056-CAL6	50	115369	0.966	12.96
0D07056-CAL7	100	247933	0.940	12.95
0D07056-CAL8	200	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**

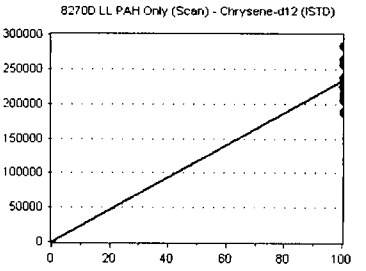


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2758	1.227	14.92
0D07056-CAL2	2	4134	1.103	14.92
0D07056-CAL3	5	10093	0.979	14.92
0D07056-CAL4	10	21888	0.977	14.93
0D07056-CAL5	20	41414	0.964	14.92
0D07056-CAL6	50	118477	0.992	14.92
0D07056-CAL7	100	257406	0.976	14.92
0D07056-CAL8	200	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**

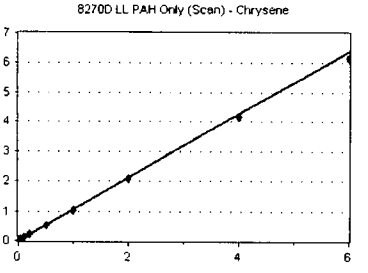


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	224745	2247.450	14.95
0D07056-CAL2	100	187464	1874.640	14.94
0D07056-CAL3	100	206205	2062.050	14.95
0D07056-CAL4	100	224123	2241.230	14.95
0D07056-CAL5	100	214808	2148.080	14.95
0D07056-CAL6	100	238949	2389.490	14.95
0D07056-CAL7	100	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**

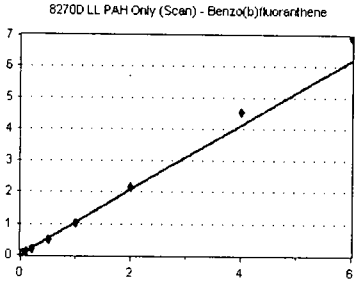
Element Calibration Review Sheet

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**

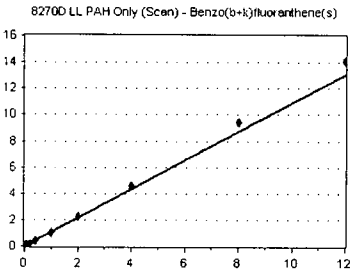


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1958	1.035	17.50
0D07056-CAL2	2	3031	0.959	17.50
0D07056-CAL3	5	8620	0.949	17.50
0D07056-CAL4	10	20389	0.991	17.51
0D07056-CAL5	20	37506	1.000	17.51
0D07056-CAL6	50	116347	0.998	17.51
0D07056-CAL7	100	253202	1.018	17.51
0D07056-CAL8	200	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**

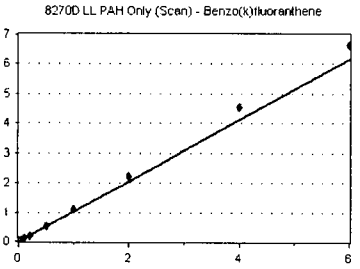


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	2	3809	1.007	17.50
0D07056-CAL2	4	6349	1.005	17.50
0D07056-CAL3	10	18526	1.020	17.50
0D07056-CAL4	20	44218	1.074	17.58
0D07056-CAL5	40	81846	1.091	17.57
0D07056-CAL6	100	249964	1.072	17.57
0D07056-CAL7	200	548680	1.103	17.57
0D07056-CAL8	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**

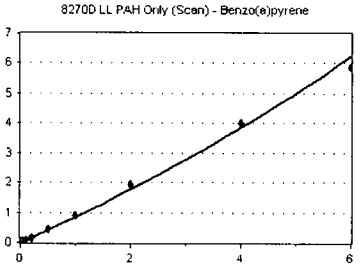


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1851	0.978	17.56
0D07056-CAL2	2	2864	0.906	17.56
0D07056-CAL3	5	8275	0.911	17.56
0D07056-CAL4	10	20616	1.002	17.58
0D07056-CAL5	20	38178	1.018	17.57
0D07056-CAL6	50	120385	1.033	17.57
0D07056-CAL7	100	270754	1.089	17.57
0D07056-CAL8	200	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**

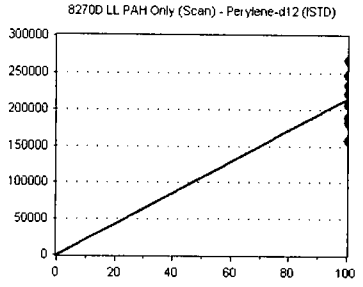
Element Calibration Review Sheet

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**

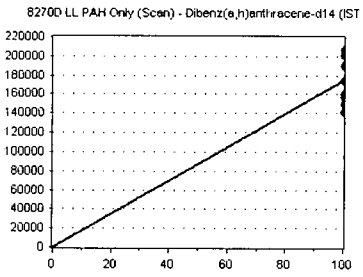


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	189170	1891.700	18.41
0D07056-CAL2	100	158010	1580.100	18.41
0D07056-CAL3	100	181653	1816.530	18.41
0D07056-CAL4	100	205793	2057.930	18.42
0D07056-CAL5	100	187485	1874.850	18.41
0D07056-CAL6	100	233103	2331.030	18.41
0D07056-CAL7	100	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**

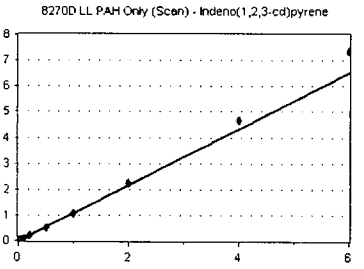


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	160677	1606.770	20.79
0D07056-CAL2	100	141496	1414.960	20.79
0D07056-CAL3	100	160102	1601.020	20.79
0D07056-CAL4	100	175208	1752.080	20.80
0D07056-CAL5	100	149877	1498.770	20.79
0D07056-CAL6	100	190743	1907.430	20.79
0D07056-CAL7	100	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**

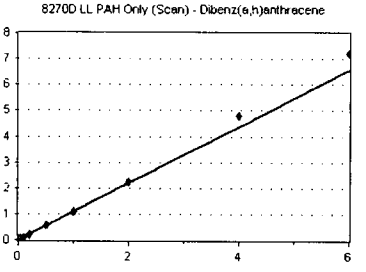


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1652	1.028	20.79
0D07056-CAL2	2	2847	1.006	20.79
0D07056-CAL3	5	8244	1.030	20.79
0D07056-CAL4	10	18462	1.054	20.80
0D07056-CAL5	20	32482	1.084	20.79
0D07056-CAL6	50	102100	1.071	20.79
0D07056-CAL7	100	215605	1.071	20.79
0D07056-CAL8	200	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**

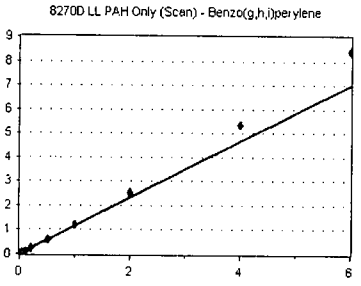
Element Calibration Review Sheet

Calibration ID: **A0D0804** Instrument: **SV-GCMS14** Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)** Instrument Cal ID: **A0D0804**

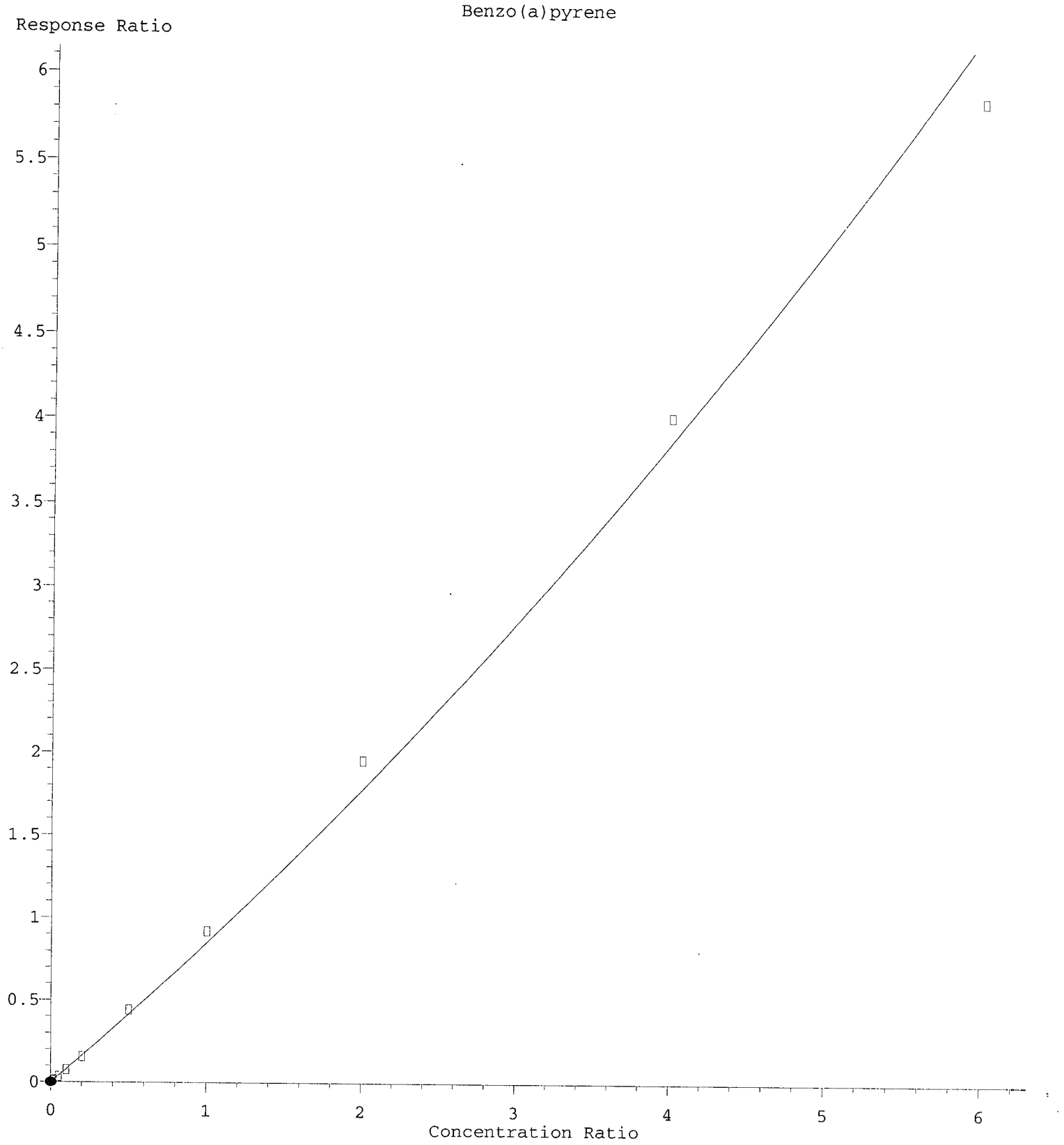
Benzo(g,h,i)perylene

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**

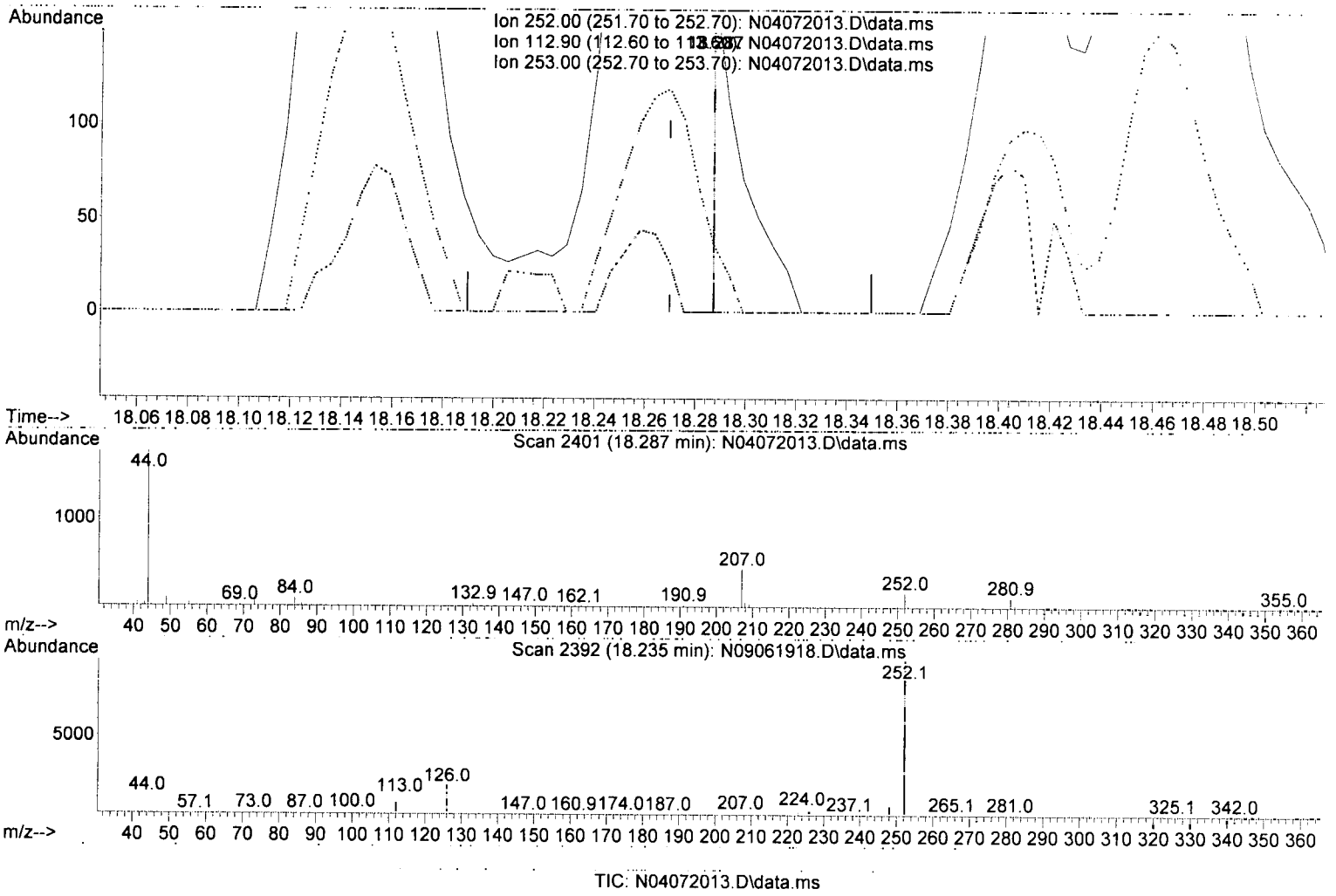


R = 3.79e-002 A*A + 8.13e-001 A - 2.52e-003
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w/(1/a^2)
Method Name: N:\methods\SV14_040720_PAH.M
Calibration Table Last Updated: Wed Apr 08 10:21:49 2020

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

GJ 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

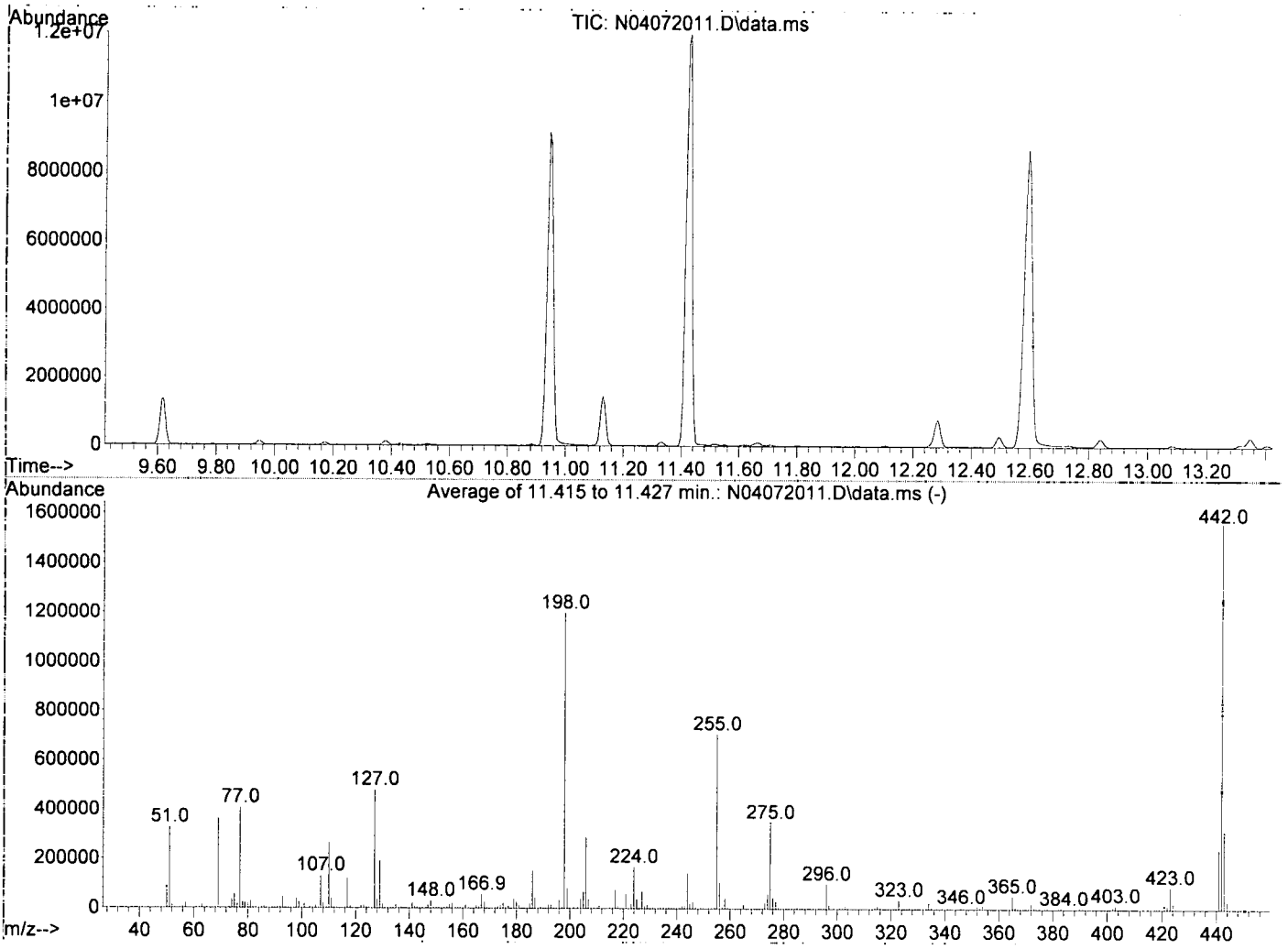
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



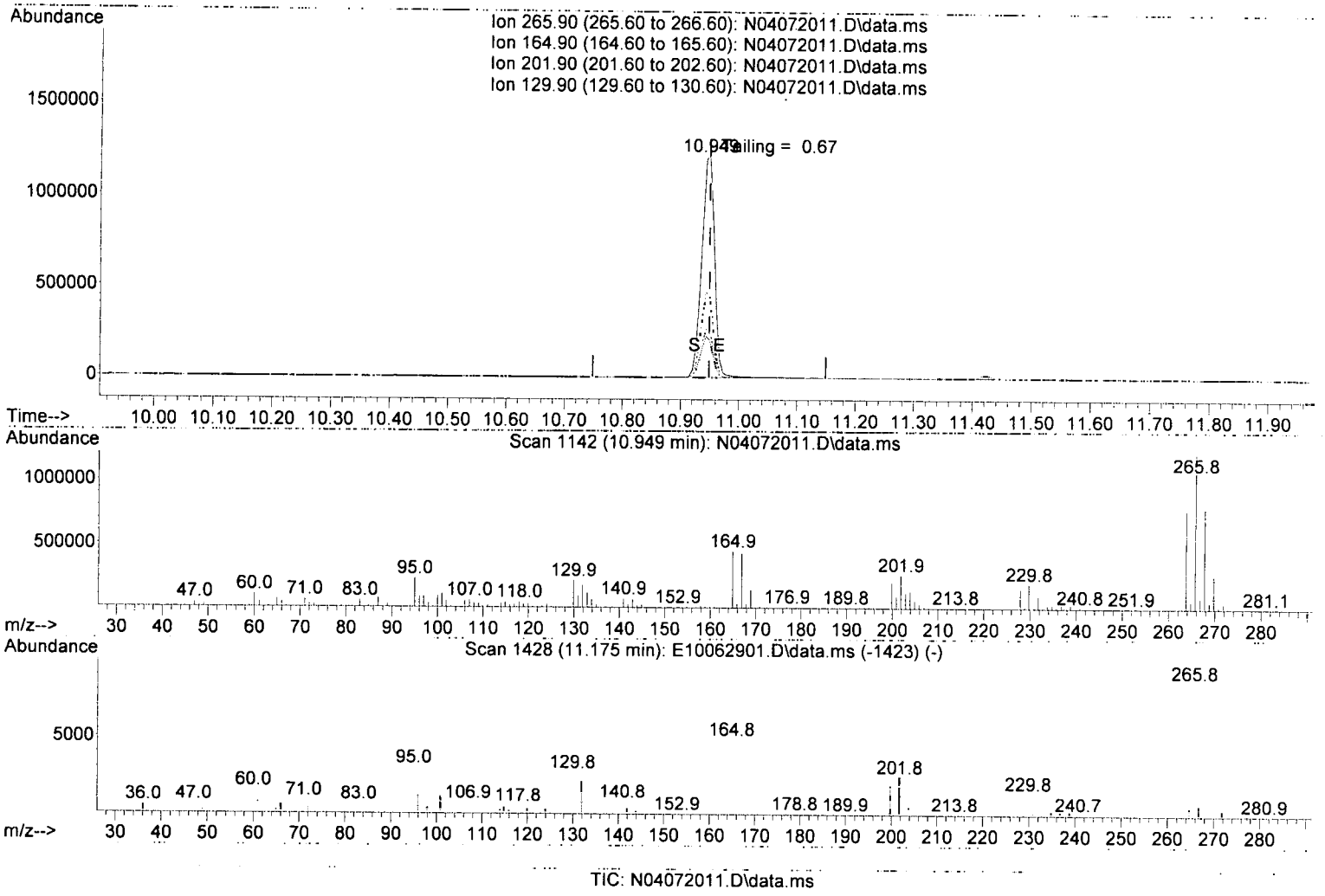
AutoFind: Scans 1222, 1223, 1224; Background Corrected with Scan 1216

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

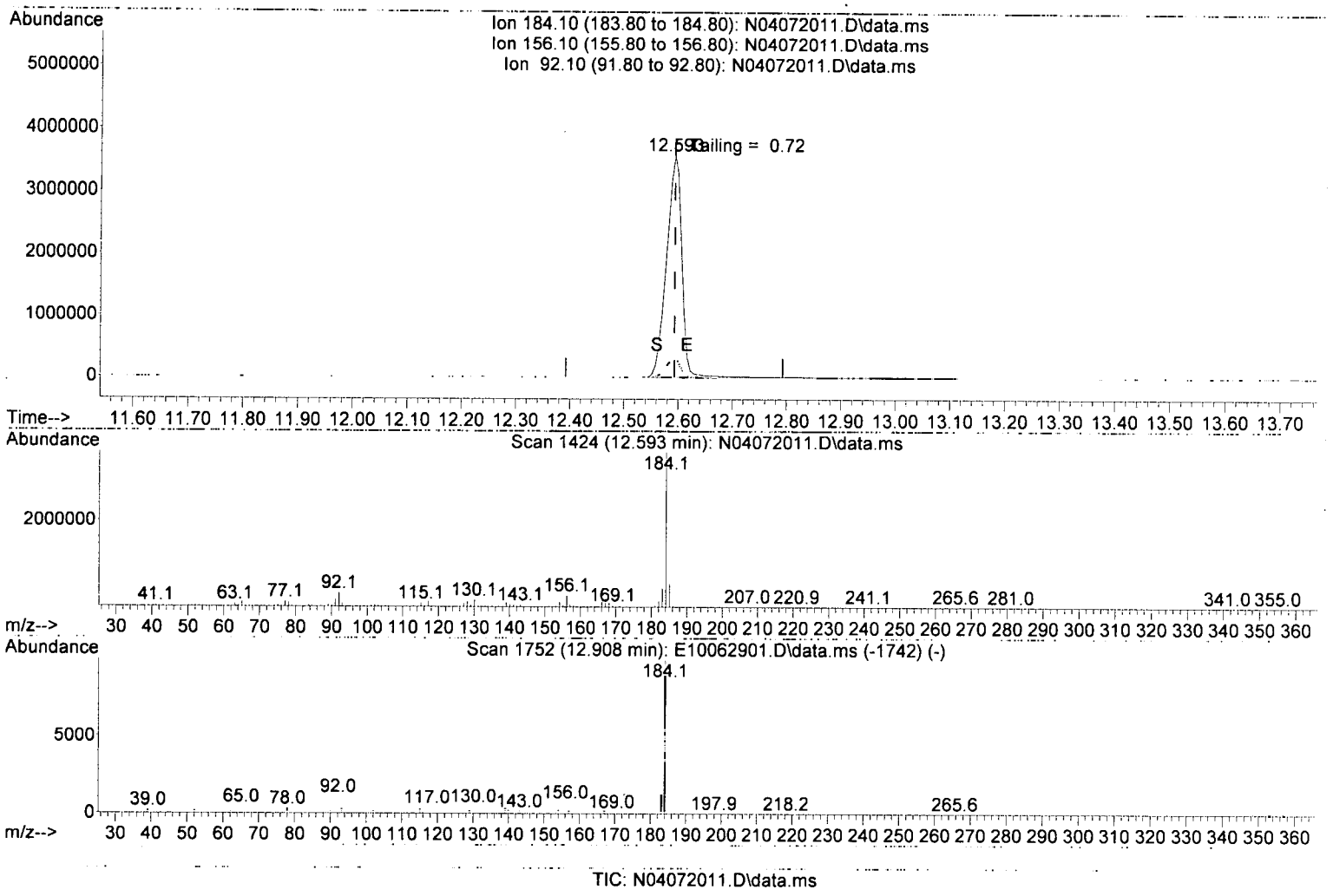
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	36.50
201.90	25.80	21.24
129.90	27.30	17.26

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

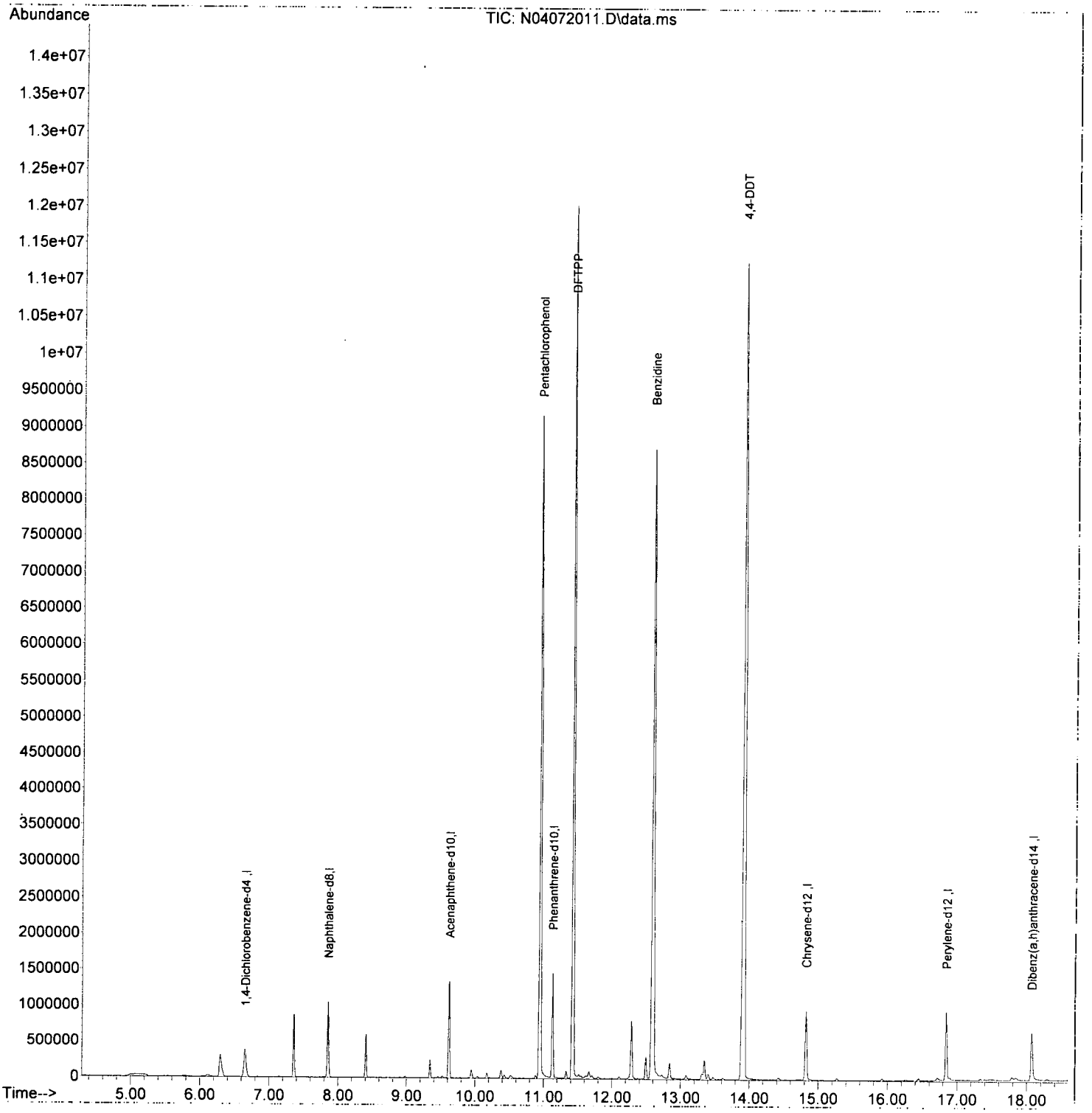
J
GK 4/8/20

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

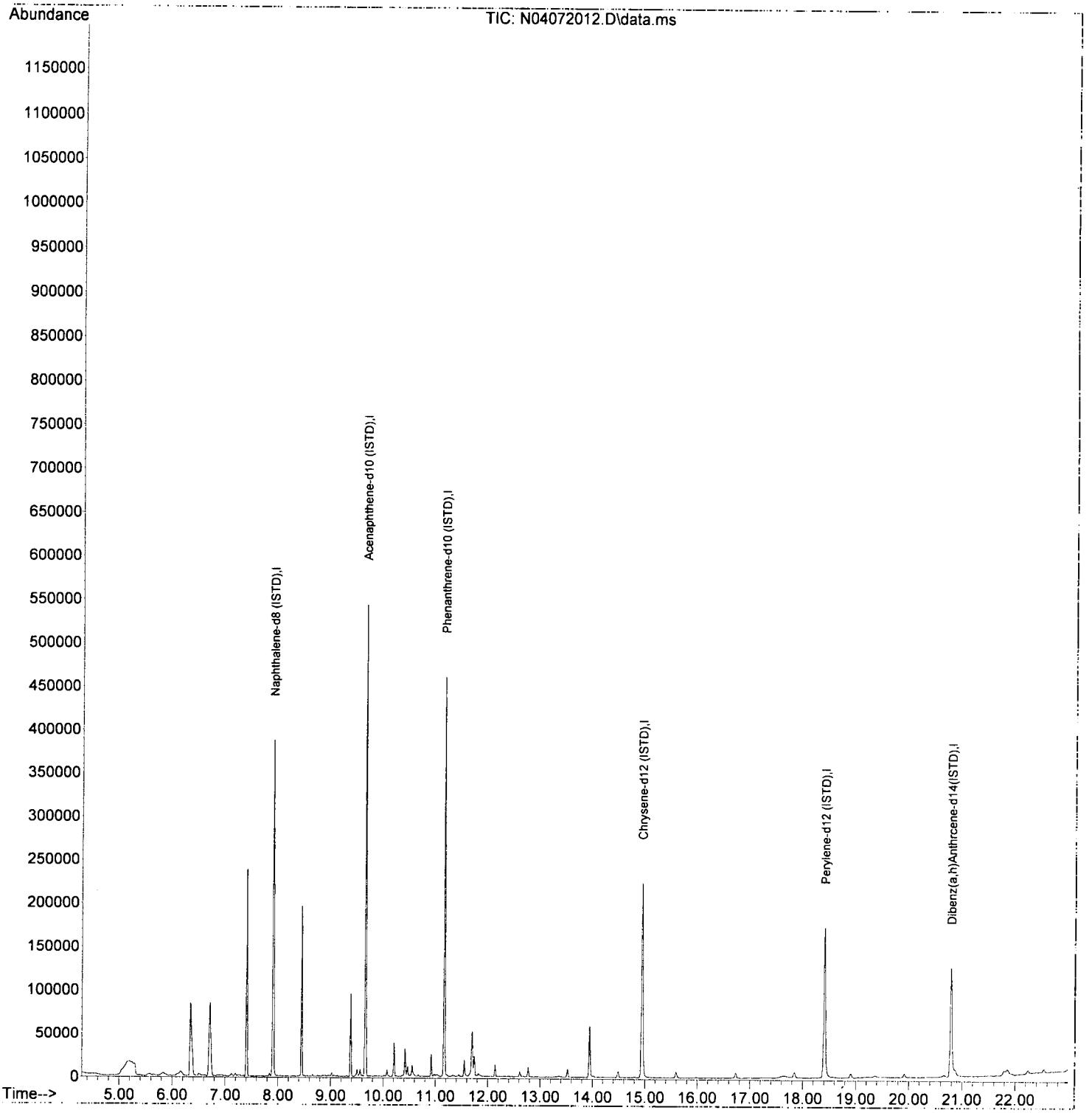
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	278751	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	161180	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	252730	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	175674	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

JJ 4/8/20

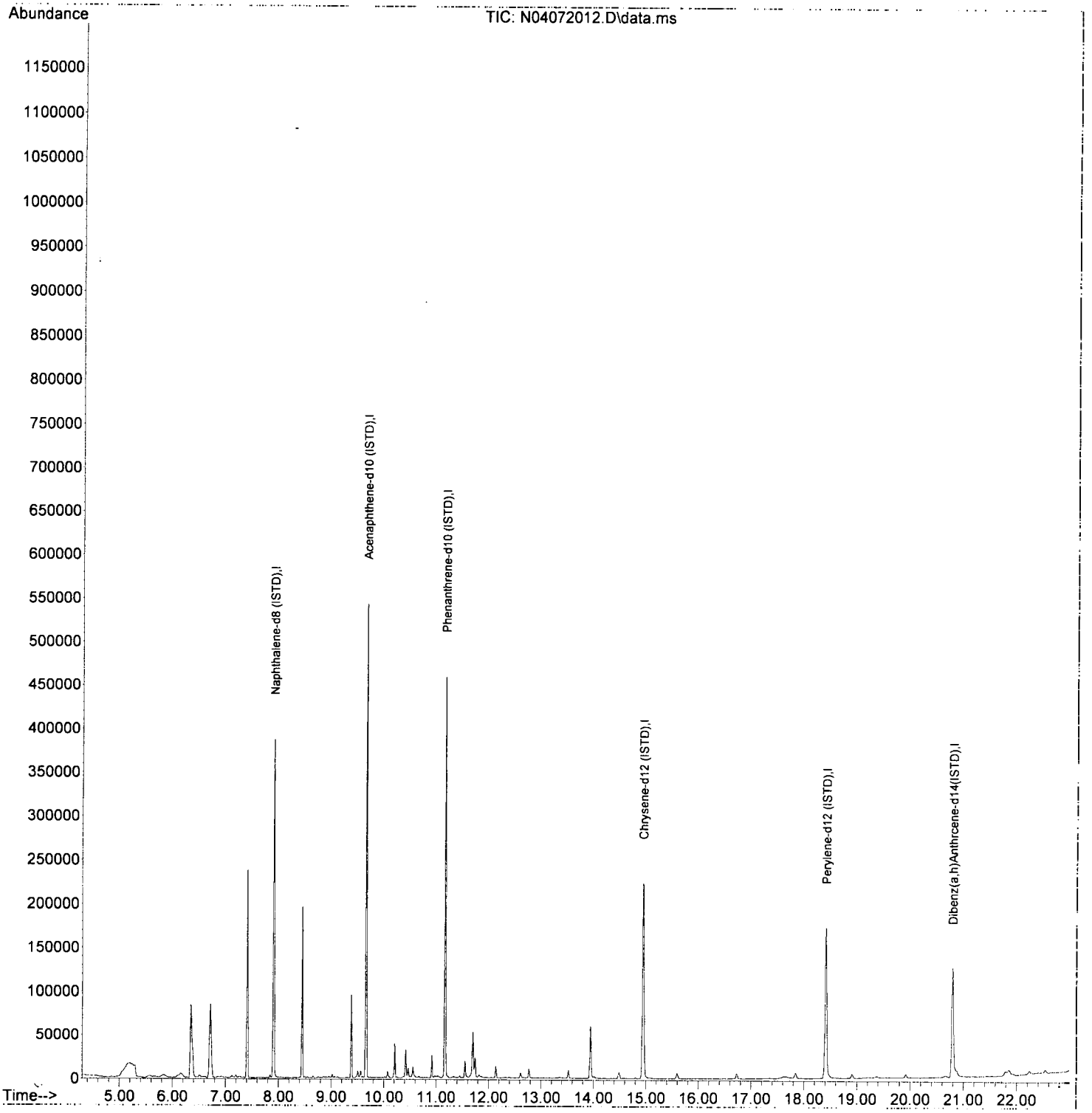
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	278751	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	161180	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	252730	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	175674	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

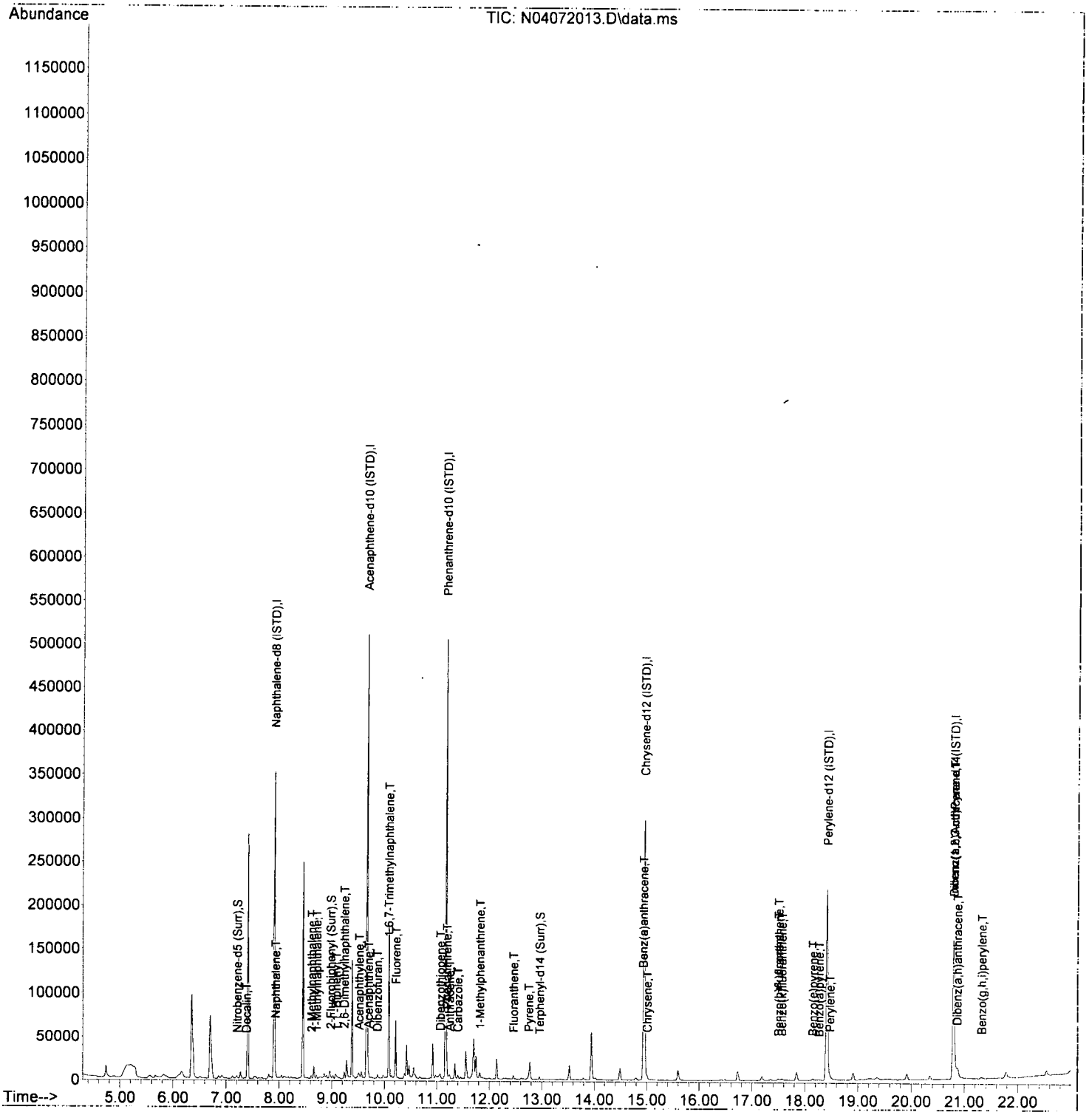
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	243074	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	149679	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	271576	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	224745	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

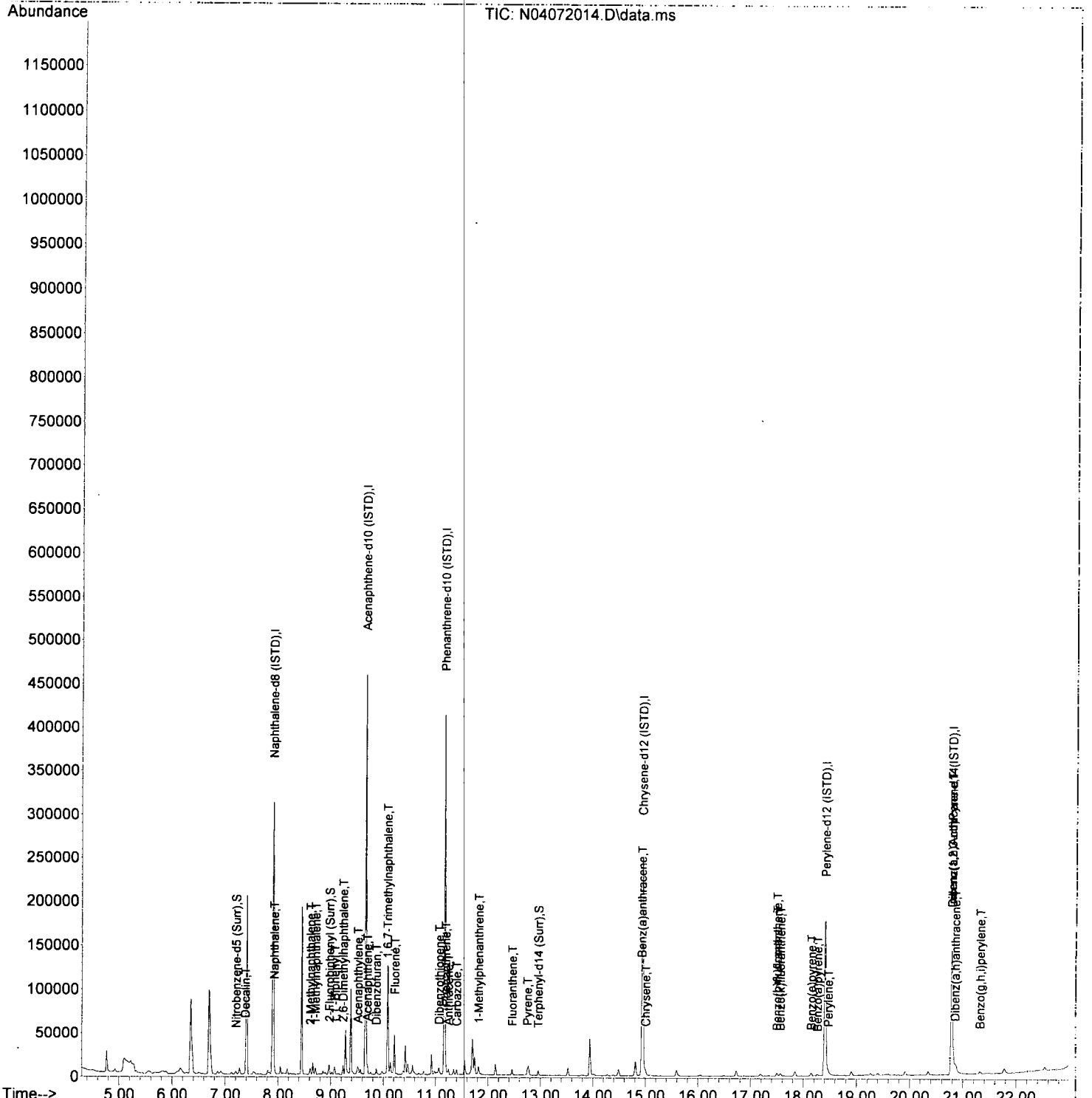
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	243705	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	135566	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	223200	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	187464	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

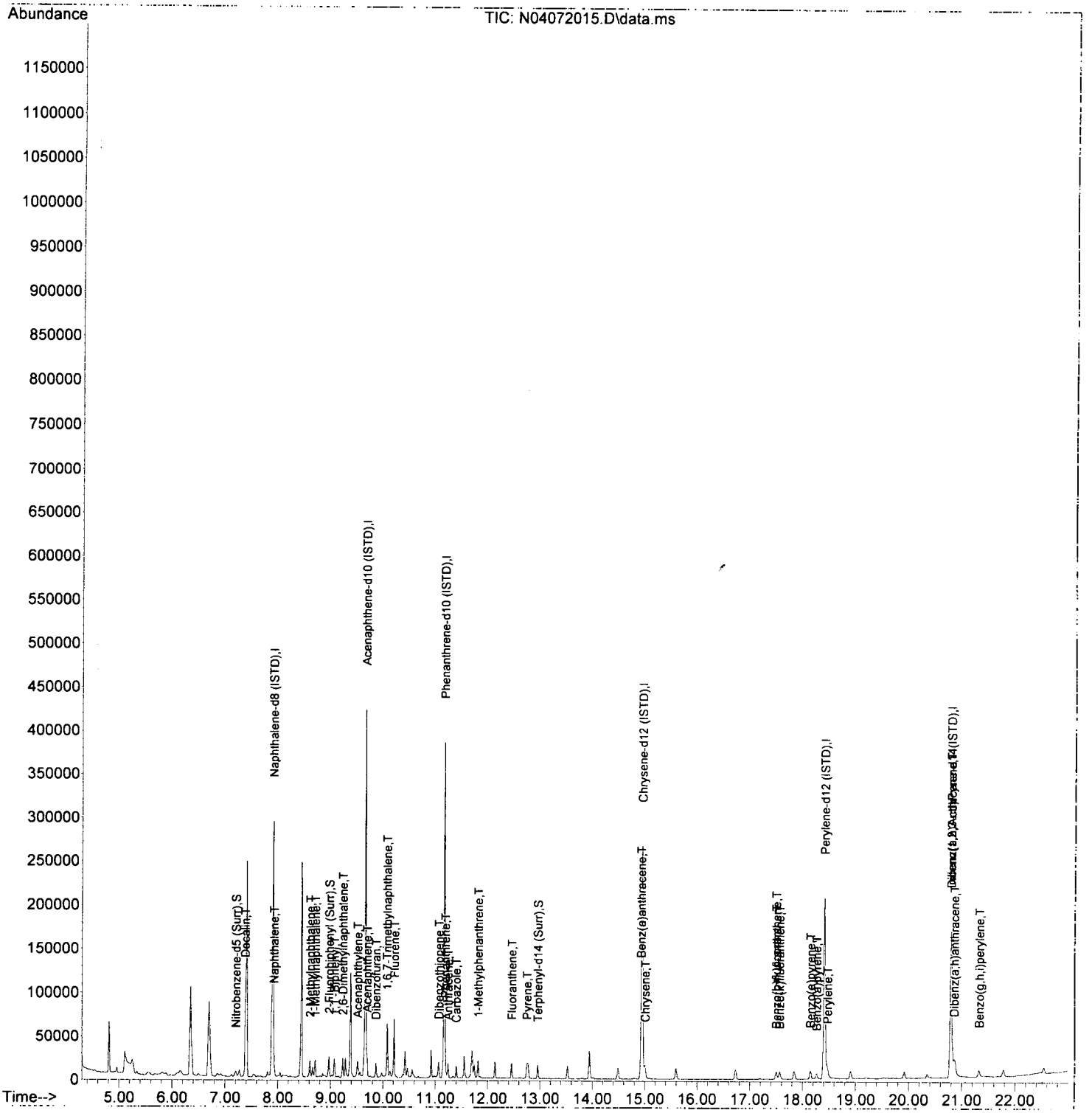
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	254846	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	131499	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	216520	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	206205	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

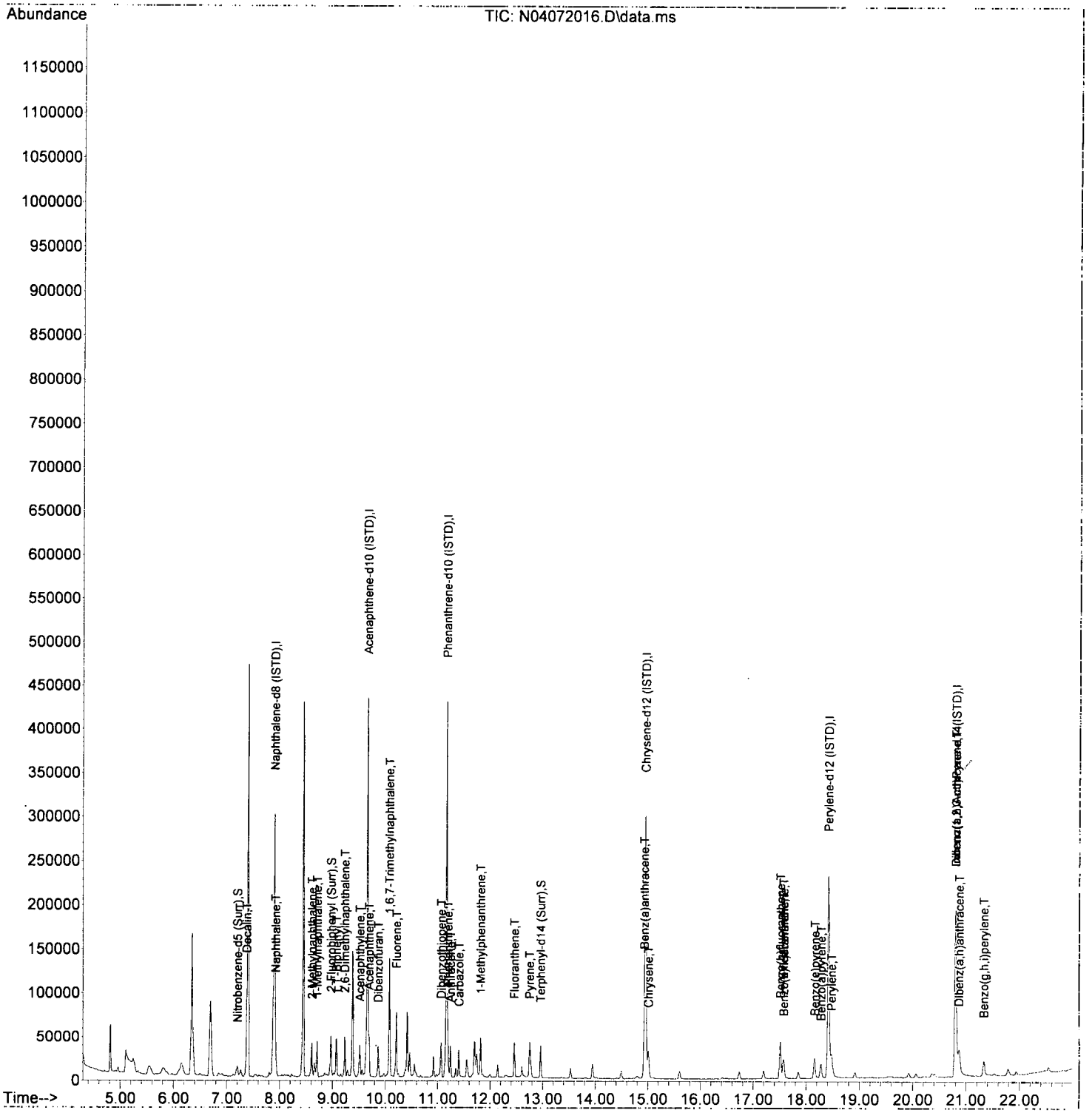
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.907	136	270985	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	140702	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.171	188	243789	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	224123	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

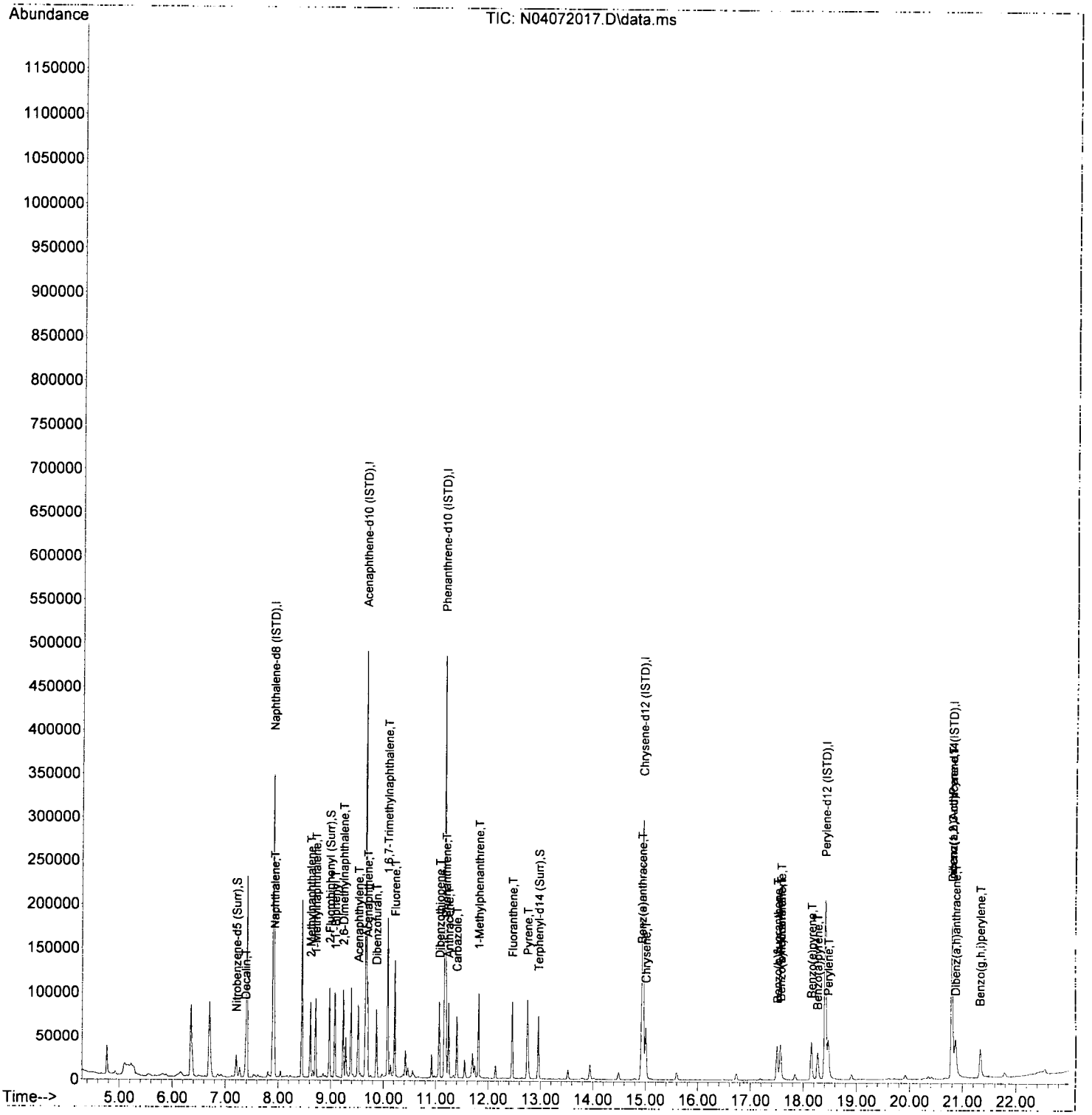
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	258751	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	148424	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	266029	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	214808	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

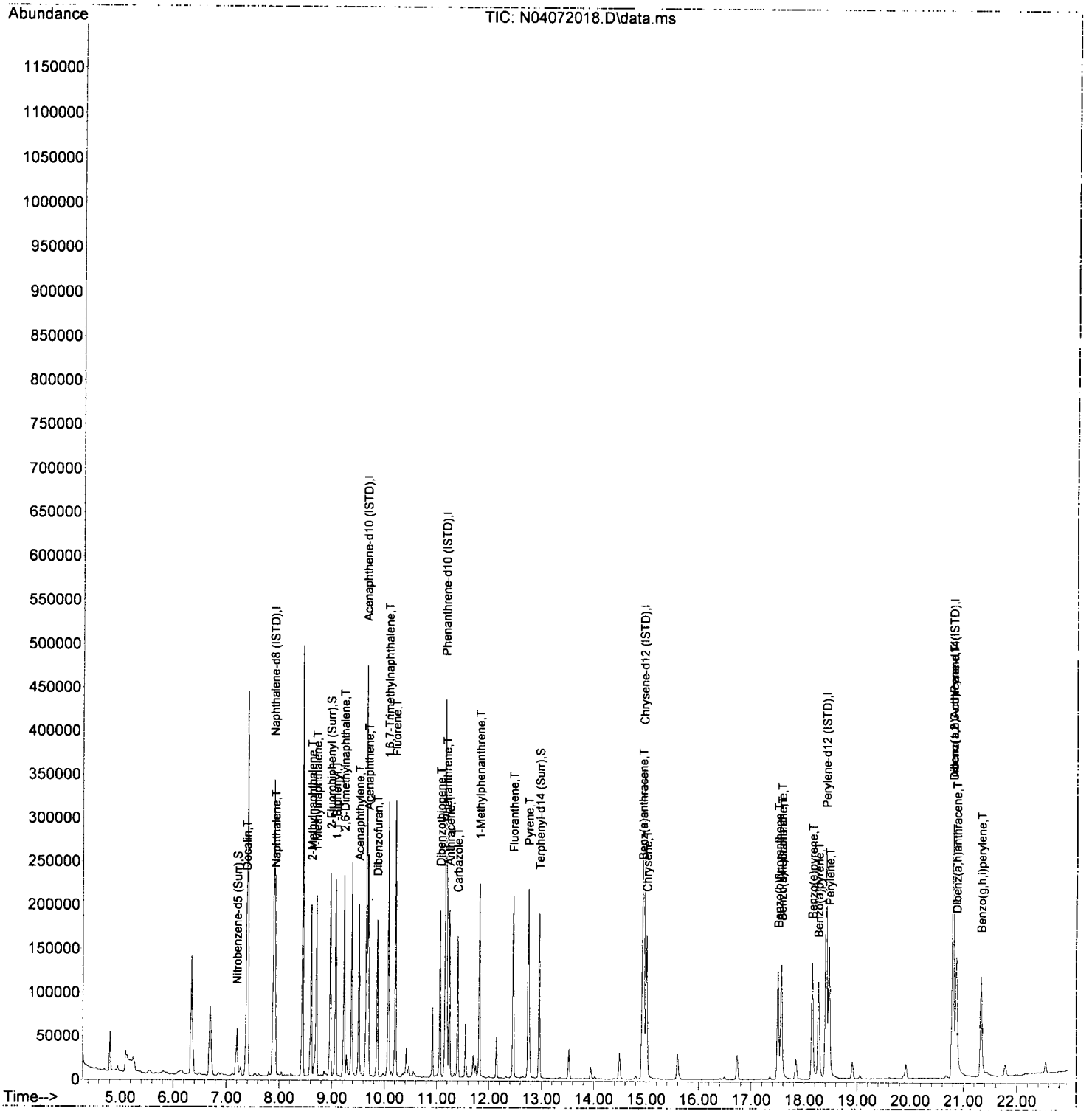
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	265079	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	146492	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	242013	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	238949	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

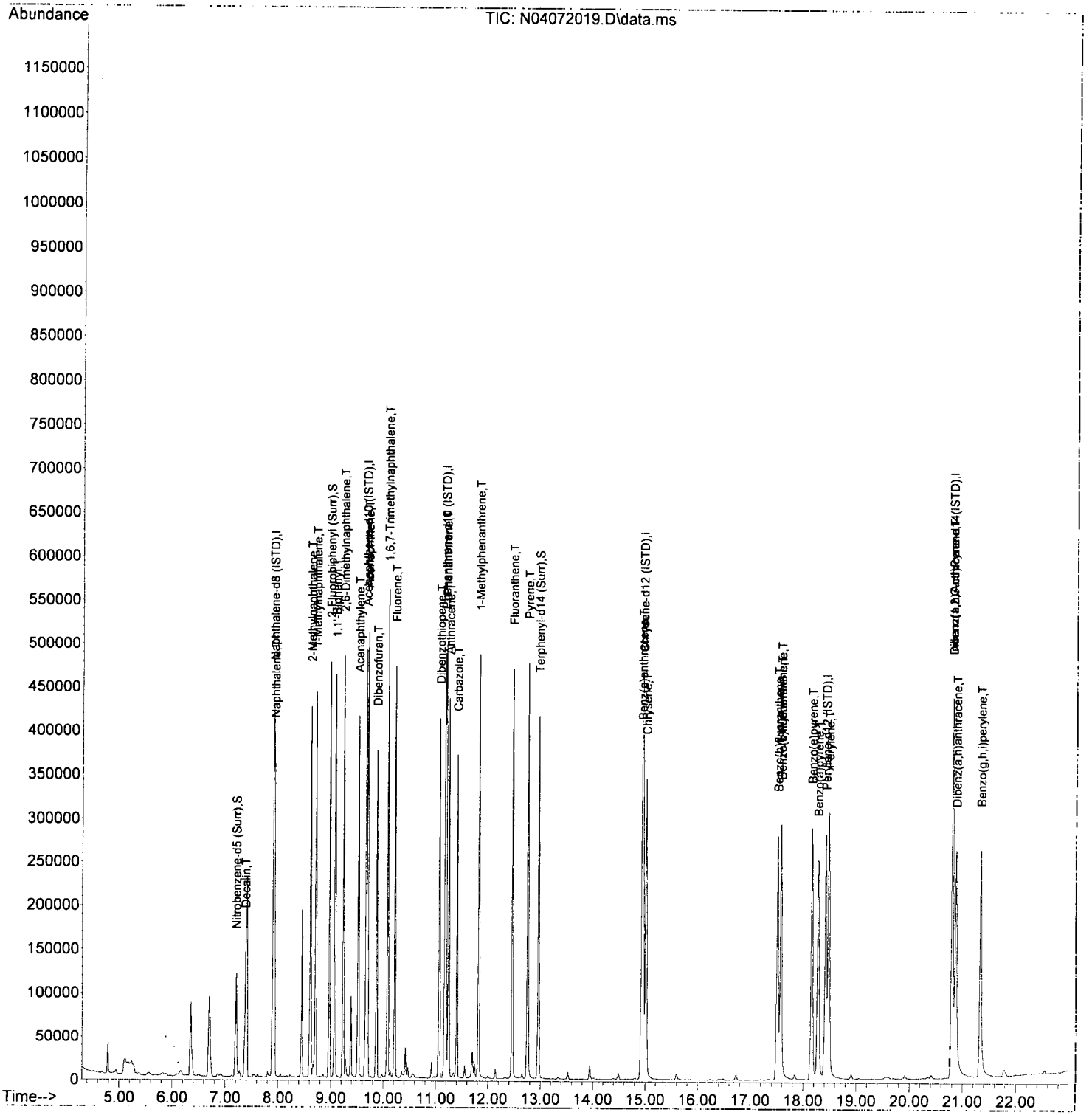
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	270936	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	147420	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	265984	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	263757	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 7/8/20

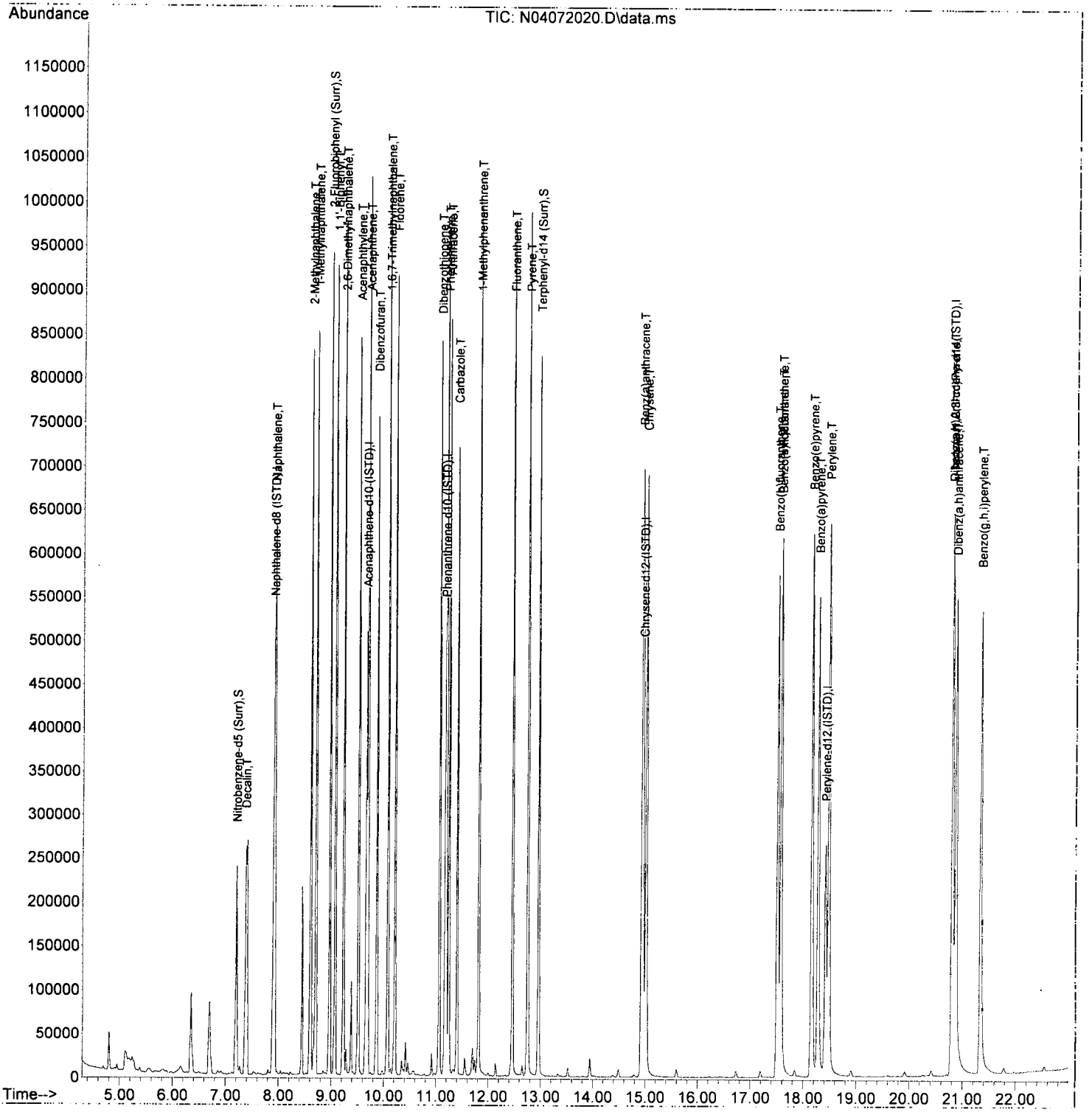
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	259002	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	149753	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	262815	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	256376	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

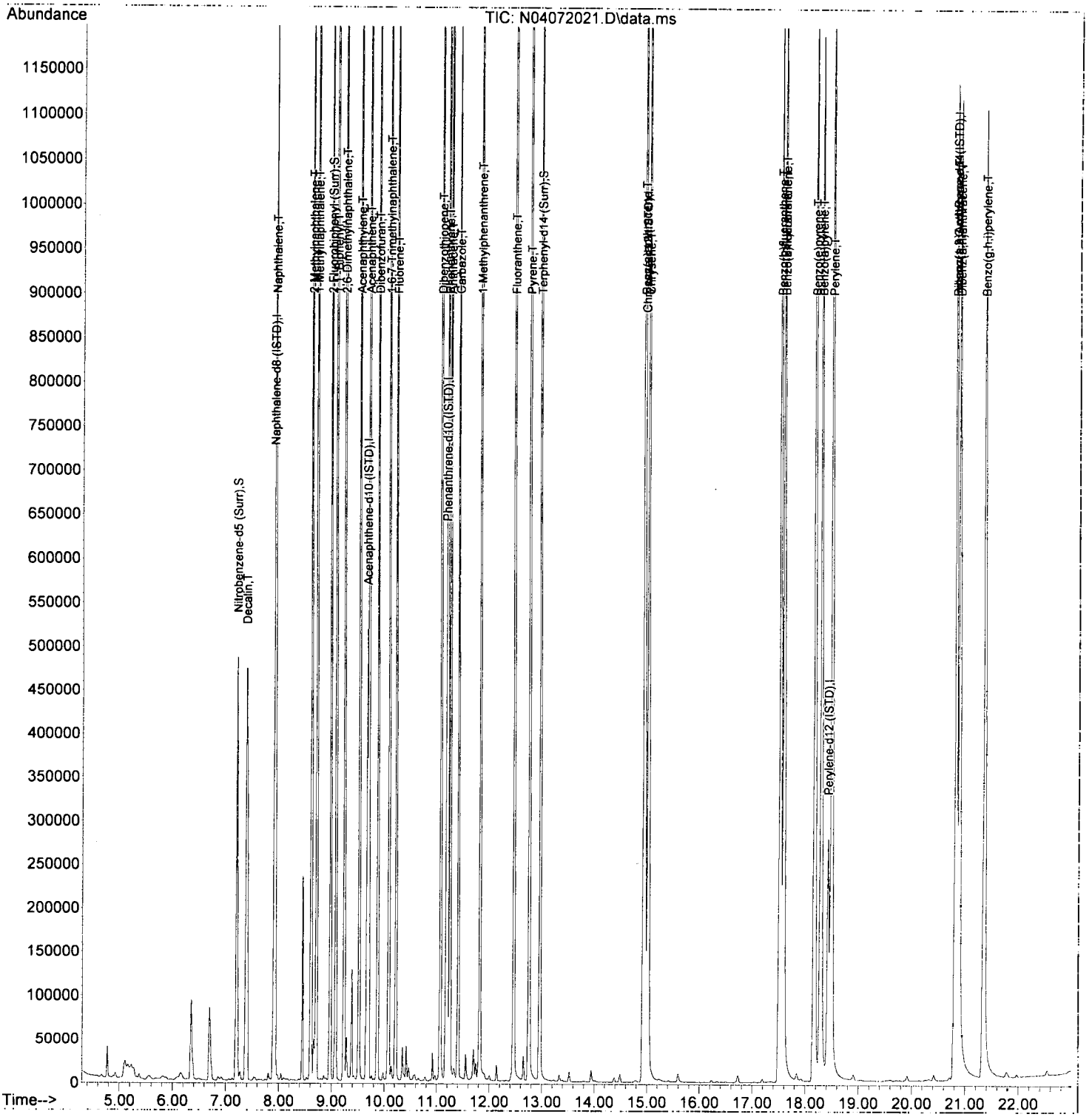
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	255231	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	154741	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.171	188	286145	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	283021	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

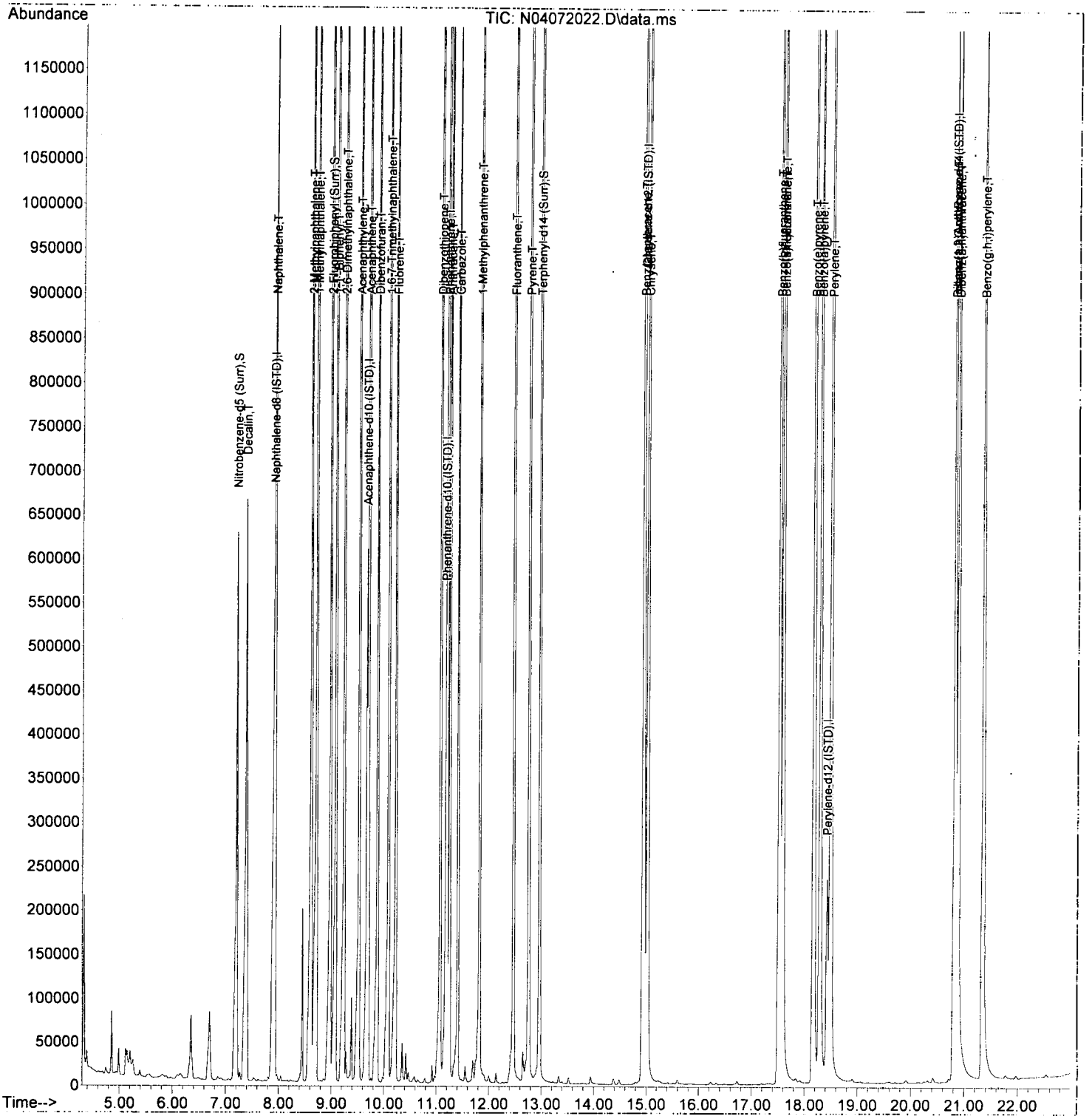
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.907	136	237171	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	142544	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	254222	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	231029	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

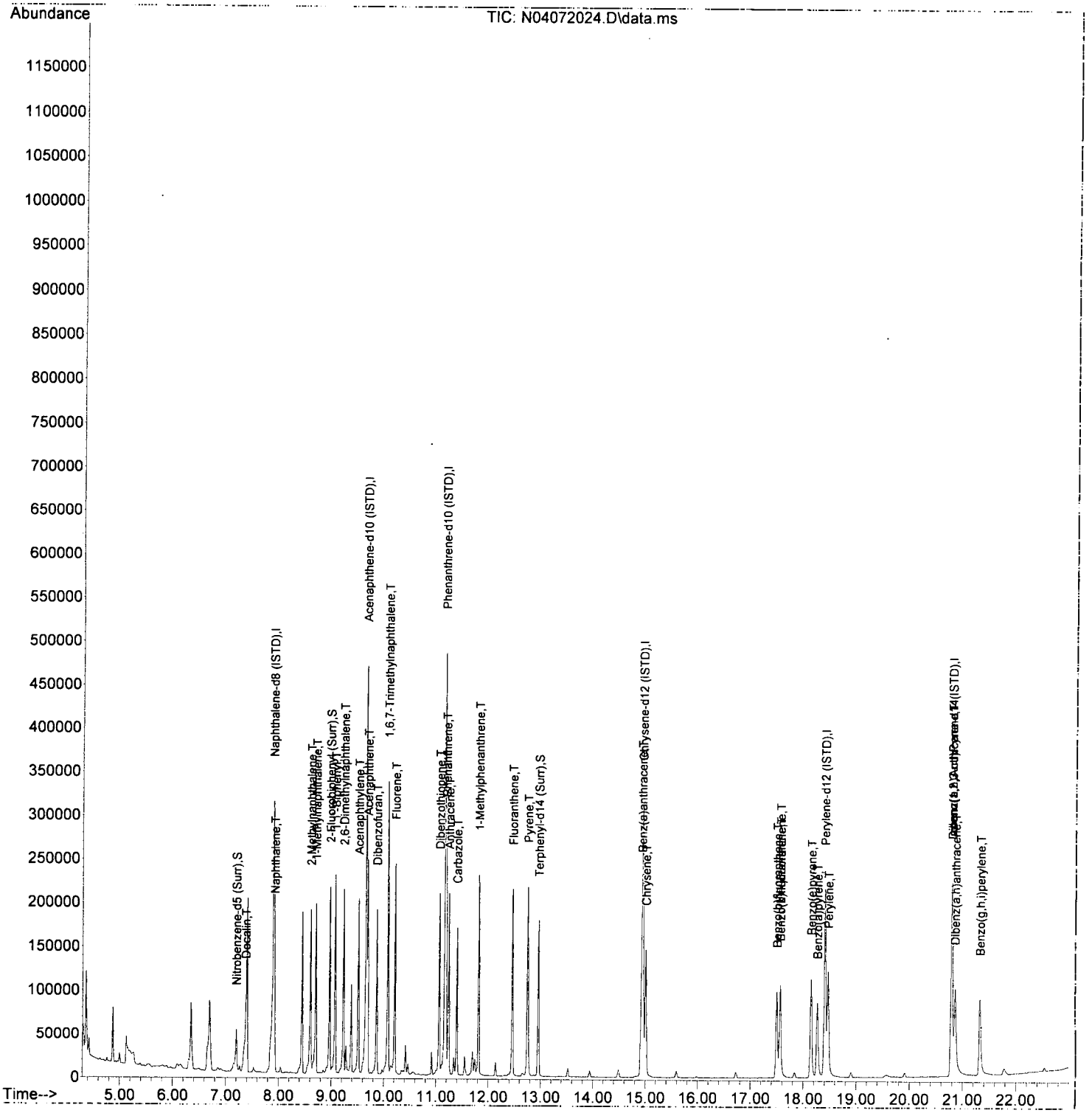
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.901	136	265379	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	144991	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	263411	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	209391	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

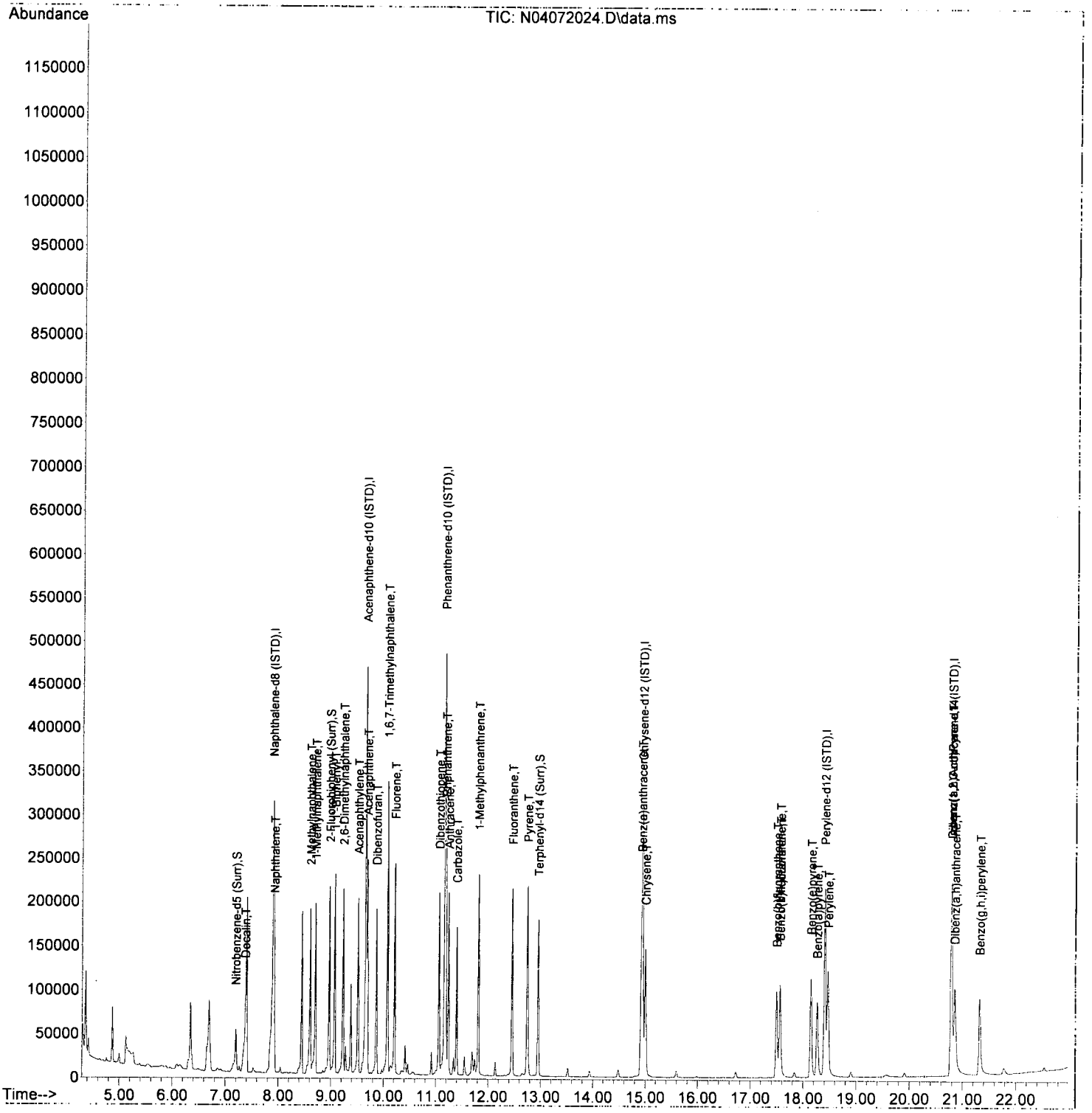
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.901	136	265379	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	144991	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	263411	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	209391	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 0060932
Sequence 0G02035 (A0F0667-02)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060932 (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 Other	pH >11
	0060932-BLK1		QC	06/29/20 15:35	0.2	0.2									
	0060932-BS1		QC	06/29/20 15:35	0.2	0.2	A20E110		1						
	A0F0647-01	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-149SC-A-01-02-200425				
	0060932-DUP1		QC	06/29/20 15:35	0.2	0.2		A0F0647-01							
	0060932-DUP2		QC	06/29/20 15:35	0.2	0.2		A0F0647-01							
	A0F0647-02	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-149SC-A-02-03-200425				
	A0F0647-03	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-150SC-A-08-09-200425				
	A0F0647-04	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-150SC-A-09-10-200425				
	A0F0667-01	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-063SC-A-06-07-200429				
	A0F0667-02	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-063SC-A-07-08-200429				
	A0F0670-01	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-166SC-A-08-09-200520				
	A0F0670-02	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-166SC-A-09-10-200520				
	A0F0670-03	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					PDI-166SC-A-10-11.2-200520				
	A0F0685-01	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					B-111-47				
	A0F0685-03	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					B-108-26				
	A0F0704-01	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					B-104-30				
	0060932-DUP3		QC	06/29/20 15:35	0.2	0.2		A0F0704-01							
	A0F0704-03	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					B-104-36				
	A0F0704-05	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					B-103-25				
	A0F0704-07	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					B-103-42				

MAS 6/29/20
Prepared By: Date

Reviewed By: 7/6/2020
Date

Printed: 6/29/2020 4:45:48PM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0060932 (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 Other	pH >11
	A0F0704-09	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					AB-5-12				
	A0F0704-11	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					AB-5-26				
	A0F0704-13	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					B-101-11				
	A0F0704-15	A	Total Organic Carbon - Soil (5310 B)	06/29/20 15:35	0.2	0.2					B-101-46				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L220	11/30/23	Wet Chem Balance 1
A19J023	11/30/23	Wet Chem Balance 4
A19J145	05/30/22	TOC Soil Blank Matrix ✓
A19K369	11/27/24	VWR002V
A20F100	12/08/20	10% Phosphoric Acid

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E110	11/08/20	TOC 10k ppm secondary ✓

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: Date

Reviewed By: Date

Batch 0060932 TOC PSEP preweigh Analyst MAS

① MAS 7/1/20

Date/Time:	6-30-20 1225	6-30-20 16:12	7-1-20 1241	7-1-20 1632	Effervesces?	Comments
T(°C) IN / OUT:	~~70.7~~ / 68.7	71.7 / 68.2	70.4 / 70.7	70.9 / ~~70.8~~ 70.0 ①		
Sample ID	Wt 1(g)	Wt 2(g)	Wt 3(g)	Wt 4(g)	(yes/no)	7-2-20 1059
A0F0647-01	6.5063	6.5045			NO	wt 5(g)
0060932-DUP1	6.6456	6.6412			NO	A0F0647-01
A0F0647-02	7.0589	7.0559			NO	68.8 / 68.8
A0F0647-03	5.9257	5.9226			NO	
A0F0647-04	5.4370	5.4348			NO	
A0F0667-01	4.7632	4.7608			NO	
A0F0667-02	5.6629	5.6582			NO	
A0F0670-01	5.1148	5.1079	5.0970	5.1109	NO	
A0F0670-02	4.6702	4.6654			NO	
A0F0670-03	4.0600	4.0549	4.0265	4.0403	~~4.0247~~ 4.0247	NO MAS 7-2-20
A0F0685-01	7.6298	7.6290			NO	
A0F0685-03	9.0127	9.0106			NO	
A0F0704-01	7.4709	7.4698			NO	
0060932-DUP3	8.3323	8.3311			NO	A0F0704-01
A0F0704-03	6.2658	6.2644			NO	
A0F0704-05	8.2189	8.2166			NO	
A0F0704-07	7.3855	7.3833			NO	
A0F0704-09	10.2065	10.2032			NO	
A0F0704-11	9.2151	9.2117			NO	
A0F0704-13	7.9774	7.9743			NO	
A0F0704-15	9.0790	9.0777			NO	

Effervescs

② MAS 7-2-20

*First in oven @ 16:45 6/29/20

-MAS 6/29/20

Pre-drying sample aliquot > 10g. Constant wt = change of < 0.005g

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0G02035 ✓ Instrument: TOC6

Date: 07/02/20 10:12 Calibration: A0F1203 ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0G02035-CCV1	Sediment	QC	QC				A20G032 ✓
2	0G02035-CCB1	Sediment	QC	QC				
3	0060932-BLK1	Soil	QC	QC		0060932		
4	0060932-BS1	Soil	QC	QC		0060932		
5	A0F0647-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
6	0060932-DUP1	Soil	QC	QC		0060932		
7	0060932-DUP2	Soil	QC	QC		0060932		
8	A0F0647-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
9	A0F0647-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
10	A0F0647-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
11	A0F0667-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
12	A0F0667-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
13	0G02035-CCV2	Sediment	QC	QC				A20G032 ✓
14	0G02035-CCB2	Sediment	QC	QC				
15	A0F0670-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
16	A0F0670-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
17	A0F0670-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
18	A0F0685-01	Soil	Total Organic Carbon - Soil (5310 B)		07/09/20	0060932		
19	A0F0685-03	Soil	Total Organic Carbon - Soil (5310 B)		07/09/20	0060932		
20	A0F0704-01	Soil	Total Organic Carbon - Soil (5310 B)		07/08/20	0060932		
21	0060932-DUP3	Soil	QC	QC		0060932		
22	A0F0704-03	Soil	Total Organic Carbon - Soil (5310 B)		07/08/20	0060932		
23	A0F0704-05	Soil	Total Organic Carbon - Soil (5310 B)		07/08/20	0060932		
24	A0F0704-07	Soil	Total Organic Carbon - Soil (5310 B)		07/08/20	0060932		
25	0G02035-CCV3	Sediment	QC	QC				A20G032 ✓
26	0G02035-CCB3	Sediment	QC	QC				
27	A0F0704-09	Soil	Total Organic Carbon - Soil (5310 B)		07/08/20	0060932		
28	A0F0704-11	Soil	Total Organic Carbon - Soil (5310 B)		07/08/20	0060932		
29	A0F0704-13	Soil	Total Organic Carbon - Soil (5310 B)		07/08/20	0060932		
30	A0F0704-15	Soil	Total Organic Carbon - Soil (5310 B)		07/08/20	0060932		
31	A0F0658-05RE1	Sediment	Total Organic Carbon - Sediment (PSE		07/09/20	0060933		
32	A0F0658-06RE1	Sediment	Total Organic Carbon - Sediment (PSE		07/09/20	0060933		
33	A0F0658-10RE1	Sediment	Total Organic Carbon - Sediment (PSE		07/09/20	0060933		
34	0G02035-CCV4	Sediment	QC	QC				A20G032 ✓
35	0G02035-CCB4	Sediment	QC	QC				

Comments:

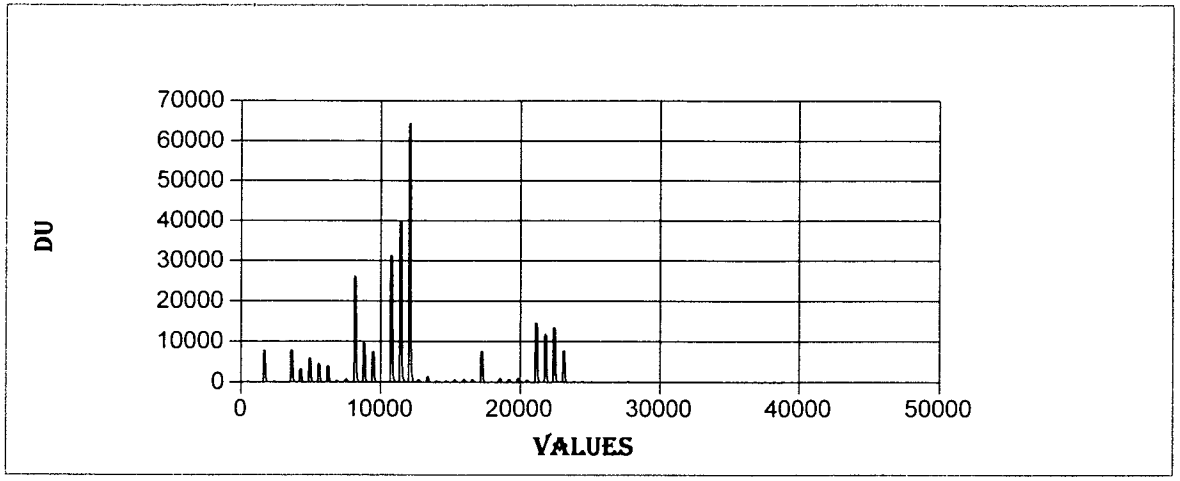
Data Entered By/Date: QMB 7/6/20

Data Reviewed By/Date: MM 7/6/2020

Method:	TCDirect	Run Start Time:	7/2/2020 4:51:54 PM
Method Type:	TC_DIRECT	Run End Time:	7/3/2020 5:17:55 AM
Table:	0G02035	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020200702A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A99	Prime	200	65.699	0.013	8603.045	7/2/2020 4:52:09 PM
A2	Blank	200	0	0	0	7/2/2020 5:03:03 PM
A1	0G02035-CCV1	200	10685.814	2.137	1399270.32	7/2/2020 5:13:57 PM
A2	0G02035-CCB1	200	51.239	0.01	6709.6	7/2/2020 5:24:44 PM
A3	0060932-BLK1	211.5	51.493	0.011	7130.555	7/2/2020 5:35:31 PM
A4	0060932-BS1	200	10254.091	2.051	1342737.725	7/2/2020 5:46:18 PM
A5	A0F0647-01	203.4	4127.344	0.84	549649.24	7/2/2020 5:57:05 PM
A6	0060932-DUP1	204.1	7467.559	1.524	997896.95	7/2/2020 6:07:52 PM
A7	0060932-DUP2	201.7	5828.685	1.176	769733.73	7/2/2020 6:18:39 PM
A8	A0F0647-02	202	5100.363	1.03	674553.64	7/2/2020 6:29:26 PM
A9	A0F0647-03	200.2	461.426	0.092	60482.59	7/2/2020 6:40:13 PM
A10	A0F0647-04	204.4	923.321	0.189	123565.59	7/2/2020 6:51:00 PM
A11	A0F0667-01	51.2	131198.24	6.717 RR-2 am 7/6/2020	4398068.445	7/2/2020 7:01:47 PM
A12	A0F0667-02	204.5	11958.916	2.446	1601213.19	7/2/2020 7:12:34 PM
A13	0G02035-CCV2	200	9810.984	1.962	1284714.39	7/2/2020 7:23:21 PM
A2	0G02035-CCB2	200	64.587	0.013	8457.5	7/2/2020 7:34:08 PM
A14	A0F0670-01	200.7	40095.407	8.047 RR-2	5268730.86	7/2/2020 7:45:02 PM
A15	A0F0670-02	203.3	50407.464	10.248	6709594.015	7/2/2020 7:55:57 PM
A16	A0F0670-03	202.3	81889.019	16.566 am 7/6/2020	10846398.74	7/2/2020 8:06:44 PM
A17	A0F0685-01	202.8	824.472	0.167 RR-3	109473.28	7/2/2020 8:17:31 PM
A18	A0F0685-03	203.1	1796.975	0.365	238954.865	7/2/2020 8:28:18 PM
A19	A0F0704-01	204.6	422.886	0.087	56649.055	7/2/2020 8:39:05 PM
A20	0060932-DUP3	202.5	353.091	0.072	46813.95	7/2/2020 8:49:52 PM
A21	A0F0704-03	204.8	764.646	0.157	102530.845	7/2/2020 9:00:39 PM
A22	A0F0704-05	203.1	875.803	0.178	116461.01	7/2/2020 9:11:26 PM
A23	A0F0704-07	201.6	888.696	0.179	117302.69	7/2/2020 9:22:13 PM
A24	0G02035-CCV3	200	9971.074	1.994	1305677.585	7/2/2020 9:33:00 PM
A2	0G02035-CCB3	200	52.634	0.011	6892.25	7/2/2020 9:43:47 PM
A25	A0F0704-09	203	1160.159	0.236	154197.535	7/2/2020 9:54:41 PM
A26	A0F0704-11	204.1	915.702	0.187	122366.07	7/2/2020 10:05:35 PM
A27	A0F0704-13	204.3	1116.292	0.228	149317.33	7/2/2020 10:16:22 PM
A28	A0F0704-15	203.5	653.137	0.133	87022.71	7/2/2020 10:27:09 PM
A29	A0F0658-05RE1	101	37442.378	3.782	2475989.56	7/2/2020 10:37:56 PM

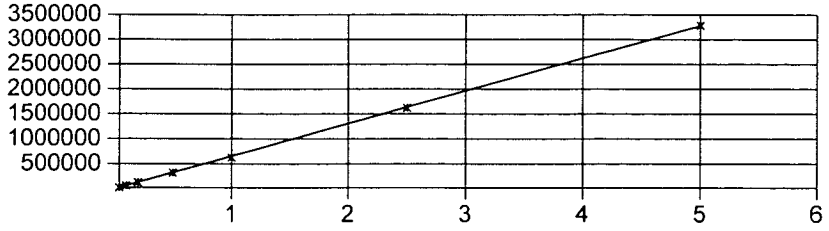
A30	A0F0658-06RE1	101	30209.306	3.051	1997681	7/2/2020 10:48:44 PM
A31	A0F0658-10RE1	101.1	34344.798	3.472	2273401.495	7/2/2020 10:59:34 PM
A32	0G02035-CCV4	200	10216.587	2.043	1337826.65	7/2/2020 11:10:24 PM
A2	0G02035-CCB4	200	65.407	0.013	8564.78	7/2/2020 11:21:13 PM
A70	Clean70	200	79.059	0.016	10352.46	7/2/2020 11:32:10 PM
A71	Clean71	200	37.269	0.007	4880.19	7/2/2020 11:43:09 PM
A72	Clean72	200	35.639	0.007	4666.78	7/2/2020 11:54:14 PM
A73	Clean73	200	58.34	0.012	7639.41	7/3/2020 12:05:07 AM
A74	Clean74	200	61.426	0.012	8043.47	7/3/2020 12:16:00 AM
A75	Clean75	200	60.865	0.012	7970.1	7/3/2020 12:26:58 AM
A76	Clean76	200	51.988	0.01	6807.6	7/3/2020 12:37:55 AM
A77	Clean77	200	35.515	0.007	4650.6	7/3/2020 12:48:52 AM
A78	Clean78	200	56.414	0.011	7387.17	7/3/2020 12:59:46 AM
A79	Clean79	200	67.151	0.013	8793.215	7/3/2020 1:10:45 AM
A80	Clean80	200	63.559	0.013	8322.81	7/3/2020 1:21:38 AM
A81	Clean81	200	56.536	0.011	7403.145	7/3/2020 1:32:36 AM
A82	Clean82	200	65.171	0.013	8533.91	7/3/2020 1:43:29 AM
A83	Clean83	200	49.442	0.01	6474.32	7/3/2020 1:54:27 AM
A84	Clean84	200	69.156	0.014	9055.755	7/3/2020 2:05:20 AM
A85	Clean85	200	78.37	0.016	10262.32	7/3/2020 2:16:18 AM
A86	Clean86	200	55.601	0.011	7280.715	7/3/2020 2:27:15 AM
A87	Clean87	200	27.057	0.005	3543.075	7/3/2020 2:38:14 AM
A88	Clean88	200	53.737	0.011	7036.67	7/3/2020 2:49:13 AM
A89	Clean89	200	101.995	0.02	13355.83	7/3/2020 3:00:06 AM
A90	Clean90	200	92.945	0.019	12170.85	7/3/2020 3:10:59 AM
A91	Clean91	200	44.84	0.009	5871.705	7/3/2020 3:21:57 AM
A92	Clean92	200	56.476	0.011	7395.345	7/3/2020 3:32:59 AM
A93	Clean93	200	53.015	0.011	6942.09	7/3/2020 3:44:00 AM
A94	Clean94	200	40.732	0.008	5333.775	7/3/2020 3:54:58 AM
A95	Clean95	200	56.383	0.011	7383.16	7/3/2020 4:05:55 AM
A96	Clean96	200	22.716	0.005	2974.58	7/3/2020 4:16:53 AM
A97	Clean97	200	60.114	0.012	7871.69	7/3/2020 4:27:55 AM
A98	Clean98	200	43.317	0.009	5672.155	7/3/2020 4:38:56 AM
A99	Clean99	200	0	0	0	7/3/2020 4:49:54 AM
A100	Clean100	200	74.974	0.015	9817.605	7/3/2020 5:00:52 AM


70000
60000
50000
40000
30000
20000
10000
0
DU
0
10000
20000
30000
40000
50000
VALUES

SNACCESS

RUN NAME : SN10020200612A2 METHOD NAME : TCDIRECT CALIBRATION TYPE : I ORDER FORCED THRO ZERO GROUP : 1

A = 0.00000000000000 B = 654732.67362587400000 R = 0.99996410015350 R-SQUARED = 0.99990924197382



Batch 0060932 Sample Drying Analyst amB

TOC conversion from dried @ 70 °C to "as received"

Sequence: 0G02035 Analyst: amB

Sample ID	Tare (g)	initial + tare(g)	dried + tare(g)	correction factor	Skalar TOC (mg/kg)	Result for Element
~~A0F0589-27~~	1.2592	9.2090	7.0911	0.7336	7185.2	5271.0
A0F0658-02	1.2472	7.1593	6.1950	0.8369	399.7	334.5
A0F0658-03	1.2594	15.1610	13.7780	0.9005	442.5	398.5
A0F0658-04	1.2529	7.2664	5.9275	0.7774	271.3	210.9
0060933-DUP1	1.2651	9.0372	7.3049	0.7771	277.8	215.9
A0F0658-05	1.2560	9.2937	7.4682	0.7729	36038.0	27853.1
A0F0658-06	1.2837	9.1034	7.4902	0.7937	26444.0	20988.6
A0F0658-07	1.2564	12.0106	8.7493	0.6967	12764.5	8893.6
A0F0658-09	1.2588	6.8738	4.6565	0.6051	17135.8	10369.0
A0F0658-10	1.2517	8.2874	6.3200	0.7204	34578.8	24909.5
A0F0693-01	1.2684	7.3026	4.7896	0.5835	8726.7	5092.4
A0F0693-02	1.2629	6.6029	5.6639	0.8242	5193.0	4279.8
A0F0693-03	1.2567	15.6300	14.0638	0.8910	10328.8	9203.3
A0F0693-04	1.2645	7.3793	5.9561	0.7673	1800.8	1381.6
A0F0693-05	1.2675	6.4021	3.6060	0.4554	33560.0	15284.6
A0F0693-06	1.2542	6.8002	5.9568	0.8479	744.2	631.1
A0F0693-07	1.2725	7.4516	5.6143	0.7027	4998.1	3511.9
0060933-DUP2	1.2586	9.1540	6.8861	0.7128	5073.9	3616.5
0060933-DUP3	1.2586	9.1540	6.8861	0.7128	6341.5	4519.9
~~A0F0693-08~~	~~1.2695~~	~~7.1079~~	~~5.0996~~	~~0.6560~~	~~7316.7~~	~~4799.9~~
~~A0F0589-18RE1~~	~~1.2568~~	~~6.2222~~	~~4.1250~~	~~0.5776~~	~~23075.6~~	~~13329.3~~
A0F0658-05RE1	1.2560	9.2937	7.4682	0.7729	37442.3780	28938.6
A0F0658-06RE1	1.2837	9.1034	7.4902	0.7937	30209.3060	23977.1
A0F0658-10RE1	1.2517	8.2874	6.3200	0.7204	34344.7980	24740.9

am 7/6/2020

prev. seq. am 7/6/2020

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)

Sequence 0G07047 (A0F0667-01RE1)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0G07047** Instrument: **TOC6**

Date: **07/07/20 10:28** Calibration: **A0F1203**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0G07047-CCV1	Soil	QC	QC				A20G032
2	0G07047-CCB1	Soil	QC	QC				
3	A0F0667-01RE1	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
4	A0F0670-01RE1	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
5	A0F0670-02RE1	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
6	A0F0670-03RE1	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	07/08/20	0060932		
7	A0F0685-01RE1	Soil	Total Organic Carbon - Soil (5310 B)		07/09/20	0060932		
8	0G07047-CCV2	Soil	QC	QC				A20G032
9	0G07047-CCB2	Soil	QC	QC				

Comments:

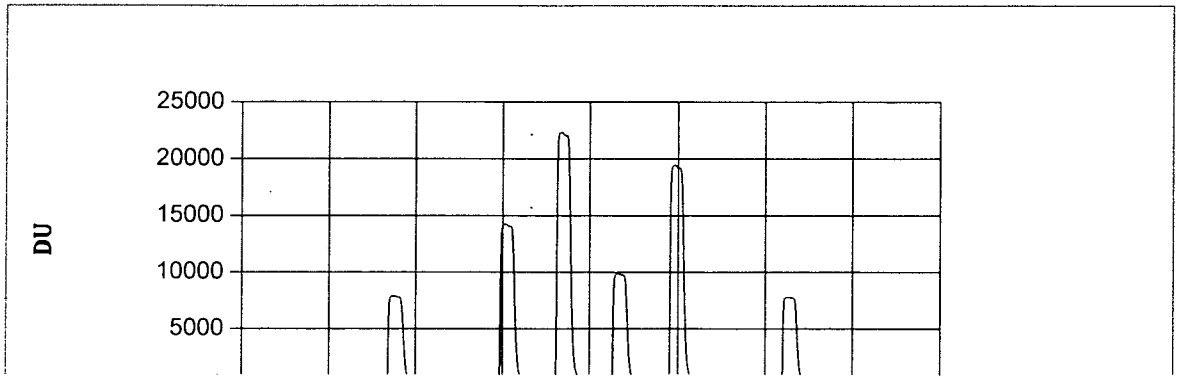
Data Entered By/Date: MAS 7-7-20

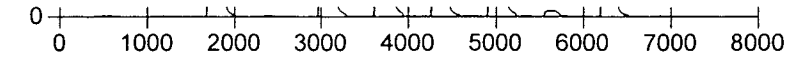
Data Reviewed By/Date: [illegible] 7/7/2020

Method:	TCDirect	Run Start Time:	7/7/2020 11:23:15 A
Method Type:	TC_DIRECT	Run End Time:	7/7/2020 1:28:25 PM
Table:	0G07047	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020200707A0

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A99	Prime	200	83.999	0.017	10999.37	7/7/2020 11:23:39 AM
A2	Blank	200	37.732	0.008	4940.92	7/7/2020 11:35:22 AM
A1	0G07047-CCV1	200	10980.264	2.196	1437827.49	7/7/2020 11:46:16 AM
A2	0G07047-CCB1	200	54.187	0.011	7095.62	7/7/2020 11:57:03 AM
A3	A0F0667-01RE1	26	143091.654	3.72	2435856.31	7/7/2020 12:07:50 PM
A5	A0F0670-01RE1	102.2	56703.413	5.795	3794234.005	7/7/2020 12:18:37 PM
A6	A0F0670-02RE1	53	47983.874	2.543	1665080.33	7/7/2020 12:29:23 PM
A7	A0F0670-03RE1	51.5	96832.537	4.987	3265070.42	7/7/2020 12:40:09 PM
A8	A0F0685-01RE1	200.7	643.058	0.129	84500.99	7/7/2020 12:50:55 PM
A9	0G07047-CCV2	200	10115.766	2.023	1324624.46	7/7/2020 1:01:41 PM
A2	0G07047-CCB2	200	60.93	0.012	7978.595	7/7/2020 1:12:27 PM

RR-2 ok 7/9/2020



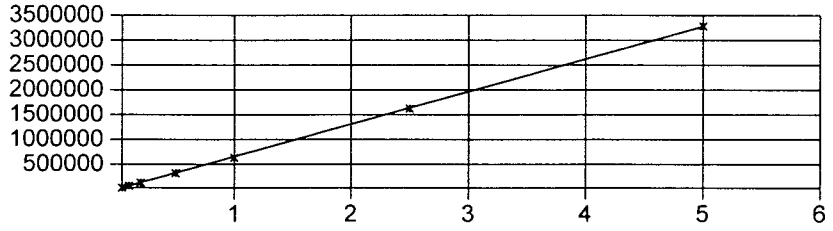


SNACCESS

7/7/2020

RUN NAME : SN10020200612A2 METHOD NAME : TCDIRECT CALIBRATION TYPE : I
ORDER FORCED THRO ZERO GROUP : 1
A = 0.00000000000000 B = 654732.67362587400000 R = 0.99996410015350 R-

SQUARED = 0.99990924197382



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

Conventional Chemistry Parameters
Calibration Data

Sequence 0F12047 (Cal ID A0F1203) TOC6

ELEMENT SEQUENCE LOG

Apex Laboratories

JUN 17 2020

Sequence: **0F12047** Instrument: **TOC6**

Date: **06/12/20 18:48** Calibration: **A0F1203**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0F12047-CAL1	Sediment	QC	QC				
2	0F12047-CAL2	Sediment	QC	QC				A20F046
3	0F12047-CAL3	Sediment	QC	QC				A20F047
4	0F12047-CAL4	Sediment	QC	QC				A20F048
5	0F12047-CAL5	Sediment	QC	QC				A20F049
6	0F12047-CAL6	Sediment	QC	QC				A20F050
7	0F12047-CAL7	Sediment	QC	QC				A20F051
8	0F12047-CAL8	Sediment	QC	QC				A20F052
9	0F12047-CAL9	Sediment	QC - not used in Cal.	QC				A20F053
10	0F12047-ICV1	Sediment	QC	QC				A20E110
11	0F12047-ICB1	Sediment	QC	QC				

cmm 6/11/2020

Data Entered By/Date: cmm 6/15/2020

Comments: SKalar IO SN10020200612A cmm 6/15/2020

Data Reviewed By/Date: AMF 6/15/20

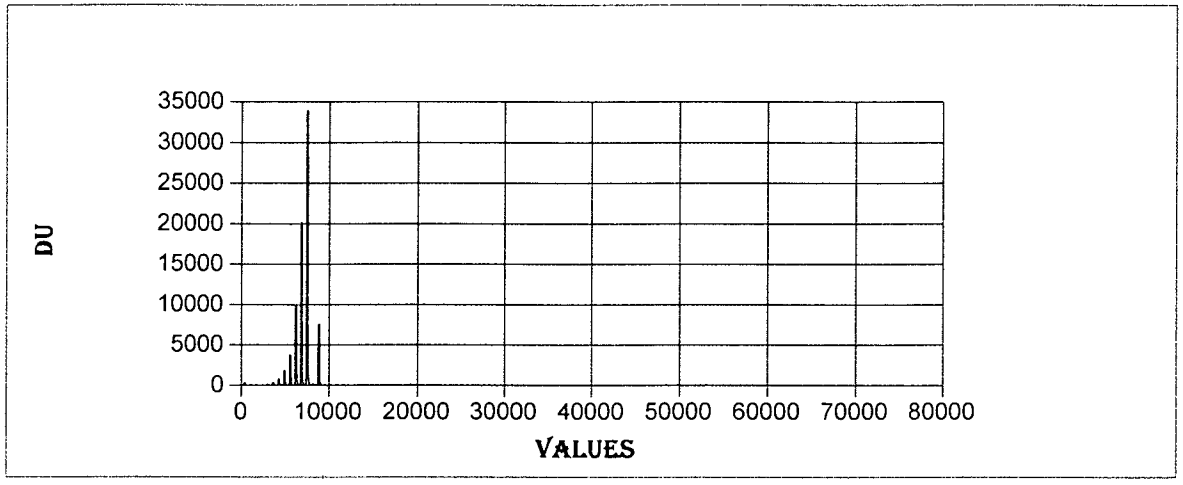
Method:	TCDirect	Run Start Time:	6/12/2020 6:56:09 P
Method Type:	TC_DIRECT	Run End Time:	6/13/2020 3:51:09 P
Table:	0F12047	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020200612A2

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	prime	200	453.85	0.091	59430.11	6/12/2020 6:56:19 PM
A1	blank	200	26.221	0.005	3433.49	6/12/2020 7:07:20 PM
A11	blank	200	0	0	0	6/12/2020 7:18:15 PM
A1	0F12047-CAL1	200	0	0	0	6/12/2020 7:29:08 PM
A2	0F12047-CAL2	40	1046.084	0.042	27396.22	6/12/2020 7:40:01 PM
A3	0F12047-CAL3	100	986.71	0.099	64603.16	6/12/2020 7:50:47 PM
A4	0F12047-CAL4	200	1006.529	0.201	131801.52	6/12/2020 8:01:34 PM
A5	0F12047-CAL5	50	9869.864	0.493	323106.12	6/12/2020 8:12:20 PM
A6	0F12047-CAL6	100	9651.095	0.965	631888.745	6/12/2020 8:23:06 PM
A7	0F12047-CAL7	250	9930.506	2.483	1625456.72	6/12/2020 8:33:53 PM
A8	0F12047-CAL8	500	10032.55	5.016	3284319.205	6/12/2020 8:44:39 PM
A9	0F12047-CAL9	1000	8374.312	8.374	5482935.96	6/12/2020 8:55:25 PM
A97	0F12047-IBL1	200	223.681	0.045	29290.2	6/12/2020 9:06:11 PM
A10	0F12047-ICV1	200	9611.006	1.922	1258527.955	6/12/2020 9:17:12 PM
A11	0F12047-ICB1	200	83.059	0.017	10876.28	6/12/2020 9:28:05 PM
A2	clean2	200	42.567	0.009	5573.96	6/12/2020 9:38:51 PM
A3	clean3	200	34.177	0.007	4475.31	6/12/2020 9:49:45 PM
A4	clean4	200	28.621	0.006	3747.825	6/12/2020 10:00:31 PM
A5	clean5	200	24.911	0.005	3262.01	6/12/2020 10:11:17 PM
A6	clean6	200	34.578	0.007	4527.87	6/12/2020 10:22:03 PM
A7	clean7	200	87.966	0.018	11518.81	6/12/2020 10:32:50 PM
A8	clean8	200	64.125	0.013	8396.99	6/12/2020 10:43:36 PM
A9	clean9	200	46.767	0.009	6123.975	6/12/2020 10:54:23 PM
A10	clean10	200	77.364	0.015	10130.56	6/12/2020 11:05:09 PM
A11	clean11	200	0	0	0	6/12/2020 11:15:55 PM
A12	clean12	200	44.373	0.009	5810.485	6/12/2020 11:26:42 PM
A13	clean13	200	31.964	0.006	4185.61	6/12/2020 11:37:28 PM
A14	clean14	200	70.487	0.014	9230.02	6/12/2020 11:48:15 PM
A15	clean15	200	36.199	0.007	4740.165	6/12/2020 11:59:02 PM
A16	clean16	200	114.512	0.023	14994.95	6/13/2020 12:09:49 AM
A17	clean17	200	33.567	0.007	4395.46	6/13/2020 12:20:36 AM
A18	clean18	200	100.617	0.02	13175.47	6/13/2020 12:31:23 AM
A19	clean19	200	27.591	0.006	3612.93	6/13/2020 12:42:10 AM

A20	clean20	200	25.074	0.005	3283.365	6/13/2020 12:52:57 AM
A21	clean21	200	44.433	0.009	5818.305	6/13/2020 1:03:43 AM
A22	clean22	200	29.612	0.006	3877.545	6/13/2020 1:14:30 AM
A23	clean23	200	25.004	0.005	3274.16	6/13/2020 1:25:17 AM
A24	clean24	200	25.73	0.005	3369.22	6/13/2020 1:36:04 AM
A25	clean25	200	41.186	0.008	5393.15	6/13/2020 1:46:50 AM
A26	clean26	200	36.037	0.007	4718.87	6/13/2020 1:57:37 AM
A27	clean27	200	25.653	0.005	3359.2	6/13/2020 2:08:25 AM
A28	clean28	200	19.863	0.004	2601.02	6/13/2020 2:19:11 AM
A29	clean29	200	23.764	0.005	3111.82	6/13/2020 2:29:58 AM
A30	clean30	200	20.949	0.004	2743.26	6/13/2020 2:40:45 AM
A31	clean31	200	24.147	0.005	3162.005	6/13/2020 2:51:32 AM
A32	clean32	200	20.595	0.004	2696.875	6/13/2020 3:02:19 AM
A33	clean33	200	23.665	0.005	3098.89	6/13/2020 3:13:06 AM
A34	clean34	200	28.882	0.006	3782.025	6/13/2020 3:23:54 AM
A35	clean35	200	0	0	0	6/13/2020 3:34:40 AM
A36	clean36	200	44.626	0.009	5843.595	6/13/2020 3:45:27 AM
A37	clean37	200	19.638	0.004	2571.495	6/13/2020 3:56:14 AM
A38	clean38	200	21.878	0.004	2864.83	6/13/2020 4:07:01 AM
A39	clean39	200	25.279	0.005	3310.24	6/13/2020 4:17:48 AM
A40	clean40	200	25.911	0.005	3392.95	6/13/2020 4:28:35 AM
A41	clean41	200	26.379	0.005	3454.26	6/13/2020 4:39:22 AM
A42	clean42	200	31.203	0.006	4085.91	6/13/2020 4:50:23 AM
A43	clean43	200	19.855	0.004	2599.92	6/13/2020 5:01:17 AM
A44	clean44	200	30.656	0.006	4014.29	6/13/2020 5:12:11 AM
A45	clean45	200	29.298	0.006	3836.48	6/13/2020 5:23:05 AM
A46	clean46	200	20.438	0.004	2676.23	6/13/2020 5:33:59 AM
A47	clean47	200	35.044	0.007	4588.88	6/13/2020 5:44:54 AM
A48	clean48	200	32.419	0.006	4245.11	6/13/2020 5:55:48 AM
A49	clean49	200	38.954	0.008	5100.92	6/13/2020 6:06:43 AM
A50	clean50	200	18.247	0.004	2389.34	6/13/2020 6:17:38 AM
A51	clean51	200	23.7	0.005	3103.44	6/13/2020 6:28:33 AM
A52	clean52	200	43.793	0.009	5734.595	6/13/2020 6:39:28 AM
A53	clean53	200	18.501	0.004	2422.69	6/13/2020 6:50:21 AM
A54	clean54	200	34.99	0.007	4581.76	6/13/2020 7:01:11 AM
A55	clean55	200	15.414	0.003	2018.375	6/13/2020 7:12:05 AM
A56	clean56	200	29.155	0.006	3817.77	6/13/2020 7:22:59 AM
A57	clean57	200	20.275	0.004	2654.92	6/13/2020 7:33:54 AM
A58	clean58	200	24.978	0.005	3270.84	6/13/2020 7:44:48 AM

A59	clean59	200	21.11	0.004	2764.225	6/13/2020 7:55:42 AM
A60	clean60	200	25.696	0.005	3364.755	6/13/2020 8:06:36 AM
A61	clean61	200	65.651	0.013	8596.76	6/13/2020 8:17:30 AM
A62	clean62	200	22.461	0.004	2941.185	6/13/2020 8:28:23 AM
A63	clean63	200	23.033	0.005	3016.15	6/13/2020 8:39:17 AM
A64	clean64	200	0	0	0	6/13/2020 8:50:12 AM
A65	clean65	200	0	0	0	6/13/2020 9:01:07 AM
A66	clean66	200	33.276	0.007	4357.42	6/13/2020 9:12:02 AM
A67	clean67	200	17.429	0.003	2282.29	6/13/2020 9:22:55 AM
A68	clean68	200	26.367	0.005	3452.725	6/13/2020 9:33:49 AM
A69	clean69	200	53.205	0.011	6967	6/13/2020 9:44:43 AM
A70	clean70	200	32.531	0.007	4259.835	6/13/2020 9:55:38 AM
A71	clean71	200	39.559	0.008	5180.175	6/13/2020 10:06:32 AM
A72	clean72	200	20.88	0.004	2734.14	6/13/2020 10:17:33 AM
A73	clean73	200	29.788	0.006	3900.685	6/13/2020 10:28:27 AM
A74	clean74	200	21.963	0.004	2876.01	6/13/2020 10:39:20 AM
A75	clean75	200	0	0	0	6/13/2020 10:50:15 AM
A76	clean76	200	28.171	0.006	3688.935	6/13/2020 11:01:09 AM
A77	clean77	200	18.394	0.004	2408.635	6/13/2020 11:12:03 AM
A78	clean78	200	21.359	0.004	2796.915	6/13/2020 11:22:57 AM
A79	clean79	200	27.365	0.005	3583.35	6/13/2020 11:33:51 AM
A80	clean80	200	26.809	0.005	3510.515	6/13/2020 11:44:45 AM
A81	clean81	200	35.897	0.007	4700.635	6/13/2020 11:55:38 AM
A82	clean82	200	18.717	0.004	2450.895	6/13/2020 12:06:32 PM
A83	clean83	200	27.338	0.005	3579.76	6/13/2020 12:17:27 PM
A84	clean84	200	22.516	0.005	2948.34	6/13/2020 12:28:21 PM
A85	clean85	200	32.224	0.006	4219.615	6/13/2020 12:39:15 PM
A86	clean86	200	39.467	0.008	5168.09	6/13/2020 12:50:09 PM
A87	clean87	200	26.503	0.005	3470.52	6/13/2020 1:01:02 PM
A88	clean88	200	35.237	0.007	4614.1	6/13/2020 1:11:55 PM
A89	clean89	200	33.581	0.007	4397.32	6/13/2020 1:22:48 PM
A90	clean90	200	40.785	0.008	5340.62	6/13/2020 1:33:44 PM
A91	clean91	200	30.827	0.006	4036.655	6/13/2020 1:44:40 PM
A92	clean92	200	27.587	0.006	3612.48	6/13/2020 1:55:42 PM
A93	clean93	200	23.897	0.005	3129.23	6/13/2020 2:06:42 PM
A94	clean94	200	34.201	0.007	4478.53	6/13/2020 2:17:44 PM
A95	clean95	200	25.22	0.005	3302.53	6/13/2020 2:28:45 PM
A96	clean96	200	26.398	0.005	3456.79	6/13/2020 2:39:45 PM
A97	clean97	200	0	0	0	6/13/2020 2:50:45 PM

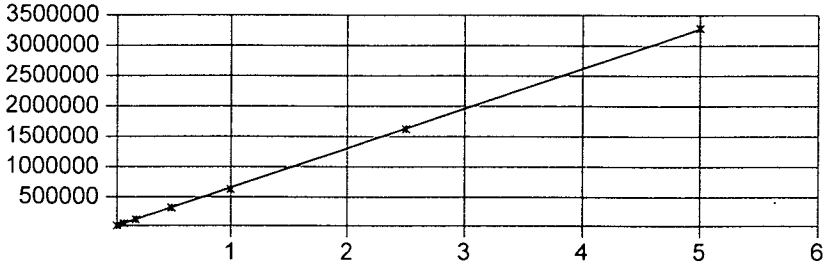
A98	clean98	200	56.915	0.011	7452.8	6/13/2020 3:01:46 PM
A99	clean99	200	0	0	0	6/13/2020 3:12:43 PM
A100	clean100	200	24.573	0.005	3217.78	6/13/2020 3:23:40 PM
A75	clean75	200	46.699	0.009	6115.115	6/13/2020 3:34:42 PM



SNACCESS

METHOD NAME : TCDIRECT CALIBRATION TYPE : I ORDER FORCED THRO ZERO GROUP : 1

A = 0.00000000000000 B = 654732.67362587400000 R = 0.99996410015350 R-SQUARED = 0.99990924197382



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

Total Solids by SM2540G
Benchsheet Data

Batch 0060850 (A0F0667-01,02)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

JUN 3 0 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0060850 (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
A0F0647-01	Dry Weight		06/25/20 15:21		1.2573	29.9445	24.4669	80.9	Use Results from TS.. Make NR once completed.
A0F0647-01	Solids, Total (SM 254		06/25/20 15:21		1.2573	29.9445	24.4669	80.9	Use Results for Dry Weight (Not for Waters)
A0F0647-02	Dry Weight		06/25/20 15:21		1.2708	28.1325	24.7414	87.4	Use Results from TS.. Make NR once completed.
A0F0647-02	Solids, Total (SM 254		06/25/20 15:21		1.2708	28.1325	24.7414	87.4	Use Results for Dry Weight (Not for Waters)
0060850-DUP1	QC	A0F0647-02	06/25/20 15:21		1.2655	31.1611	27.2756	87.0	
A0F0647-03	Dry Weight		06/25/20 15:21		1.2657	33.7208	28.0765	82.6	Use Results from TS.. Make NR once completed.
A0F0647-03	Solids, Total (SM 254		06/25/20 15:21		1.2657	33.7208	28.0765	82.6	Use Results for Dry Weight (Not for Waters)
A0F0647-04	Dry Weight		06/25/20 15:21		1.2628	28.7845	25.3233	87.4	Use Results from TS.. Make NR once completed.
A0F0647-04	Solids, Total (SM 254		06/25/20 15:21		1.2628	28.7845	25.3233	87.4	Use Results for Dry Weight (Not for Waters)
A0F0658-02	Solids, Total (SM 254		06/25/20 15:21		1.2635	33.5543	28.0984	83.1	need 3 day TAT enter total solids results for dry w
A0F0658-03	Solids, Total (SM 254		06/25/20 15:21		1.2554	33.1831	29.8951	89.7	need 3 day TAT enter total solids results for dry w
A0F0658-04	Solids, Total (SM 254		06/25/20 15:21		1.262	27.6108	21.7875	77.9	need 3 day TAT enter total solids results for dry w
A0F0658-05	Dry Weight		06/25/20 15:21		1.253	40.8541	31.6423	76.7	
A0F0658-05	Solids, Total (SM 254		06/25/20 15:21		1.253	40.8541	31.6423	76.7	need 3 day TAT enter total solids results for dry w
A0F0658-06	Dry Weight		06/25/20 15:21		1.2736	31.3686	24.8984	78.5	
A0F0658-06	Solids, Total (SM 254		06/25/20 15:21		1.2736	31.3686	24.8984	78.5	need 3 day TAT enter total solids results for dry w
A0F0658-07	Dry Weight		06/25/20 15:21		1.2702	33.042	24.9144	74.4	
A0F0658-07	Solids, Total (SM 254		06/25/20 15:21		1.2702	33.042	24.9144	74.4	need 3 day TAT enter total solids results for dry w
A0F0658-09	Dry Weight		06/25/20 15:21		1.2649	26.5047	16.7096	61.2	
A0F0658-09	Solids, Total (SM 254		06/25/20 15:21		1.2649	26.5047	16.7096	61.2	need 3 day TAT enter total solids results for dry w
A0F0658-10	Dry Weight		06/25/20 15:21		1.2595	34.7733	25.867	73.4	

MAS 6/29/20
Prepared By: Date

amr 6/29/2020
Reviewed By: Date

Printed: 6/29/2020 12:50:42PM

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0060850 (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
A0F0658-10	Solids, Total (SM 254		06/25/20 15:21		1.2595	34.7733	25.867	73.4	need 3 day TAT enter total solids results for dry w
A0F0667-01	Dry Weight		06/25/20 15:21		1.2676	30.3853	20.1117	64.7	Use Results from TS.. Make NR once completed.
A0F0667-01	Solids, Total (SM 254		06/25/20 15:21		1.2676	30.3853	20.1117	64.7	Use Results for Dry Weight (Not for Waters)
A0F0667-02	Dry Weight		06/25/20 15:21		1.2519	26.4723	18.3933	68.0	Use Results from TS.. Make NR once completed.
A0F0667-02	Solids, Total (SM 254		06/25/20 15:21		1.2519	26.4723	18.3933	68.0	Use Results for Dry Weight (Not for Waters)
A0F0698-01	Dry Weight		06/25/20 15:21		1.2513	33.5662	22.8356	66.8	
A0F0698-01	Solids, Total (SM 254		06/25/20 15:21		1.2513	33.5662	22.8356	66.8	need 3 day TAT enter total solids results for dry w
A0F0698-02	Dry Weight		06/25/20 15:21		1.2501	31.0615	21.391	67.6	
A0F0698-02	Solids, Total (SM 254		06/25/20 15:21		1.2501	31.0615	21.391	67.6	need 3 day TAT enter total solids results for dry w
A0F0698-03	Dry Weight		06/25/20 15:21		1.256	37.5799	26.2021	68.7	
A0F0698-03	Solids, Total (SM 254		06/25/20 15:21		1.256	37.5799	26.2021	68.7	need 3 day TAT enter total solids results for dry w
A0F0698-05	Dry Weight		06/25/20 15:21		1.2606	29.1408	20.9715	70.7	
A0F0698-05	Solids, Total (SM 254		06/25/20 15:21		1.2606	29.1408	20.9715	70.7	need 3 day TAT enter total solids results for dry w
A0F0698-06	Dry Weight		06/25/20 15:21		1.2625	29.9505	20.8322	68.2	
A0F0698-06	Solids, Total (SM 254		06/25/20 15:21		1.2625	29.9505	20.8322	68.2	need 3 day TAT enter total solids results for dry w
A0F0698-08	Dry Weight		06/25/20 15:21		1.264	29.6382	21.7343	72.1	
A0F0698-08	Solids, Total (SM 254		06/25/20 15:21		1.264	29.6382	21.7343	72.1	need 3 day TAT enter total solids results for dry w
0060850-DUP2	QC	A0F0698-08	06/25/20 15:21		1.2702	28.1254	20.6451	72.1	

Prepared By: Date

Reviewed By: Date

Printed: 6/29/2020 12:50:42PM

Total Solids Worksheet

Analyst: MAS Date: 06/25/20 Batch: 0060850

Sample ID	Vessel ID	Tare Weight (g)	Wet+ Tare Weight (g)	Dry Weight (g)		Comments
				1st weighing	2nd weighing	
A0F0647-01	1	1.2573	29.9445	24.4756	24.4669	
A0F0647-02	2	1.2708	28.1325	24.7457	24.7414	
0060850-DUP1	3	1.2655	31.1611	27.2845	27.2756	
A0F0647-03	4	1.2657	33.7208	28.0795	28.0765	
A0F0647-04	5	1.2628	28.7845	25.329	25.3233	
A0F0658-02	6	1.2635	33.5543	28.104	28.0984	
A0F0658-03	7	1.2554	33.1831	29.9077	29.8951	
A0F0658-04	8	1.262	27.6108	21.7938	21.7875	
A0F0658-05	9	1.253	40.8541	31.6598	31.6423	
A0F0658-06	10	1.2736	31.3686	24.9121	24.8984	
A0F0658-07	11	1.2702	33.042	24.9264	24.9144	
A0F0658-09	12	1.2649	26.5047	16.7175	16.7096	
A0F0658-10	13	1.2595	34.7733	25.8802	25.867	
A0F0698-01	14	1.2513	33.5662	22.8493	22.8356	
A0F0698-02	15	1.2501	31.0615	21.4019	21.391	
A0F0698-03	16	1.256	37.5799	26.2134	26.2021	
A0F0698-05	17	1.2606	29.1408	20.9821	20.9715	
A0F0698-06	18	1.2625	29.9505	20.8442	20.8322	
A0F0698-08	19	1.264	29.6382	21.7455	21.7343	
0060850-DUP2	20	1.2702	28.1254	20.6557	20.6451	
A0F0667-01	21	1.2676	30.3853	20.1261	20.1117	
A0F0667-02	22	1.2519	26.4723	18.4019	18.3933	
Oven Temp at Sample Introduction				103.2	103.4	*Constant weight = +/- 50 mg.
Oven Temp at sample removal				103.8	103.6	
Time/date				11:44 6/26	12:27 6/29	

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

Balance Checksheets

Extractions June 2020
Extractions July 2020
Wet Chem June 2020

Balance Challenge Log

Extractions
AND FX-2000
ID# 5210177

Weight ID	weight (g)	acceptance range (g)	
	=/<1g	± 0.02g	
	>1g	± 2%	
10077	0.5g	0.48	0.52
1000143395	300g	294.00	306.00

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: June
Year: 2020

Alternate Weight/ID used:

1000143395	300g
10077	0.5g

Date Range:

6/1/2020	6/30/2020
6/1/2020	6/30/2020

	Day/Time	Initials	Weight One	Observed	Weight Two	Observed
1	07:02	JAG		.51		299.96
2	0801	AJJ		0.51		299.99
3	07:22	CAH		0.50		299.96
4	~~8~~ 7082e	AJJ		0.49		299.94
5	7:30	CAH		0.49		299.95
6						
7						
8	7:20	CAH		0.49		299.94
9	0731	AJJ		0.51		299.99
10	07:40	JAG		.51		300.00
11	11:03	CAH		.51		299.97
12	8:03	CAH		0.50		299.97
13						
14						
15	07:33	JAG		.50		300.01
16	07:34	JAG	0.50g	.50	300.00g	299.99
17	0730	AJJ		0.50		299.99
18	11:27	CAH		0.50		299.99
19	12:40	Cmlt		0.50		299.99
20						
21						
22	07:15	CAH		0.51		300.00
23	07:25	CAH		0.50		299.99
24	07:30	JAG		.50		299.99
25	07:33	JAG		.51		300.01
26	0705	AJJ		0.50		300.01
27						
28						
29	07:35	CAH		0.50		300.00
30	0717	AJJ		0.51		300.01
31						

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:

1000143395	300g
10077	0.5g

Date Range:

7/1/2020	7/31/2020
7/1/2020	7/31/2020

Month: July
Year: 2020

Day/Time	Initials	Weight One	Observed	Weight Two	Observed
1 07:15	~~CAH~~		0.5		299.99
2 07:17	JAG		.50		299.99
3					
4					
5					
6 7:30	CAH		0.49		299.99
7 7:16	JAG		.50		299.98
8 7:05	CAH		.49		299.99
9 7:22	CAH		.51		300.00
10 7:25	JAG		.51		300.00
11					
12					
13 11:18	CAH		0.49		299.99
14 0752	AJJ		0.49		299.97
15 7:30	CAH		0.50		299.99
16 11:05	CAH	0.50g	0.50	300.00g	299.99
17 0719	AJJ		0.50		299.98
18					
19					
20 07:18	JAG		.49		300.27
21 07:20	JAG		.50		300.00
22 11:20	JAG		.49		299.99
23 0722	AJJ		0.50		300.01
24					
25					
26					
27					
28					
29					
30					
31					

Balance Challenge Log

Wet Chem Balance 1
Ohaus Adventurer Pro
ID# 8C30461093

Weight ID	weight (g) <0.5000g >/=0.5000g	acceptance range (g) ± 0.5mg ± 0.1%	
1000015949	0.005g	0.0045	0.0055
66067	0.100g	0.0995	0.1005
66067	100g	99.9000	100.1000

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: June
Year: 2020

Alternate Weight/ID used:

Date Range:

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1 1028	MAS		99.9997		0.0999		0.0048
2 1014	MAS		99.9995		0.1000		0.0050
3 1216	MAS		99.9995		0.1000		0.0051
4 1133	MAS		99.9990		0.0999		0.0051
5 1029	MAS		99.9996		0.1001		0.0049
6							
7							
8 1019	MAS		99.9999		0.1001		0.0050
9 1015	MAS		99.9994		0.0998		0.0050
10 1022	MAS		99.9999		0.0999		0.0052
11 1015	MAS		99.9998		0.0999		0.0049
12 1314	CMR		100.0001		0.0999		0.0049
13 1212	CMR		100.0001		0.0999		0.0047
14							
15 0900	CMR		100.0005		0.0998		0.0051
16 1026	MAS	100.0000g	100.0001	0.1000g	0.1002	.0050g	0.0051
17 0717	CMR		100.0005		0.1004		0.0050
18 1011	MAS		100.0000		0.0998		0.0051
19 1130	MAS		100.0005		0.1002		0.0052
20			NO MAS 6/22/20				
21							
22 1017	MAS		100.0003		0.0999		0.0049
23 1018	MAS		100.0005		0.1001		0.0047
24 1007	MAS		100.0003		0.1000		0.0051
25 1121	MAS		100.0002		0.1000		0.0051
26 1003	MAS		100.0003		0.998		0.0052
27							
28							
29 1114	MAS		100.0003		0.1000		0.0050
30 1016	MAS		100.0005		0.1001		0.0049
31							