



Apex Laboratories, LLC
6700 SW Sandburg St. Tigard, Oregon 97223
503.718.2323

**Level IV Data Package for
Anchor QEA, LLC
US Moorings – C2, C3, C4,
Apex Laboratories Work Order #:
A0J0472**

The information contained in this Data Package is intended solely for the purpose of validating client sample results submitted under the associated Chain of Custody(ies). An effort has been made to remove all traceable non-client data. Any incidental inclusion of non-client data is considered privileged and confidential information. The use of this information for any purpose other than data validation is strictly prohibited, and constitutes a breach of contract.

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Analytical Case Narrative

Analytical Case Narrative

Client: Anchor QEA, LLC
Project: US Moorings – C2, C3, C4
Apex Work Order Number: A0J0472

Date: 12/17/2020

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

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

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

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



Estella Rieben,
Quality Systems Manager
Apex Laboratories, LLC

Analytical Report



Monday, November 16, 2020

Delaney Peterson
Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219

RE: A0J0472 - US Moorings -- C2, C3, C4 - [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 A0J0472, which was received by the laboratory on 10/13/2020 at 7:35:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1 4.1 degC Cooler #2 5.0 degC

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

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



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Apex Laboratories, LLC

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

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

Project: **US Moorings -- C2, C3, C4**
Project Number: [none]
Project Manager: **Delaney Peterson**

Report ID:
A0J0472 - 11 16 20 0606

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-RB-2010121630	A0J0472-01	WQ	10/12/20 16:30	10/13/20 07:35
USMPDI-002SG-201012	A0J0472-02	SE	10/12/20 12:06	10/13/20 07:35
USMPDI-004SG-201012	A0J0472-03	SE	10/12/20 10:24	10/13/20 07:35
USMPDI-007SG-201012	A0J0472-04	SE	10/12/20 14:10	10/13/20 07:35
USMPDI-009SG-201012	A0J0472-05	SE	10/12/20 09:29	10/13/20 07:35
USMPDI-025SG-201012	A0J0472-06	SE	10/12/20 15:08	10/13/20 07:35

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0J0472 - 11 16 20 0606
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SG-RB-2010121630 (A0J0472-01)			Matrix: WQ		Batch: 0100638			
2,4'-DDD	ND	0.00476	0.00952	ug/L	1	10/21/20 16:39	EPA 8081B	
2,4'-DDE	ND	0.00952	0.00952	ug/L	1	10/21/20 16:39	EPA 8081B	
2,4'-DDT	ND	0.00476	0.00952	ug/L	1	10/21/20 16:39	EPA 8081B	
4,4'-DDD	ND	0.00476	0.00952	ug/L	1	10/21/20 16:39	EPA 8081B	
4,4'-DDE	ND	0.00476	0.00952	ug/L	1	10/21/20 16:39	EPA 8081B	
4,4'-DDT	ND	0.00476	0.00952	ug/L	1	10/21/20 16:39	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 25-140 %</i>		<i>1</i>	<i>10/21/20 16:39</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>77 %</i>		<i>30-135 %</i>		<i>1</i>	<i>10/21/20 16:39</i>	<i>EPA 8081B</i>

USMPDI-002SG-201012 (A0J0472-02RE1)			Matrix: SE		Batch: 0100835			C-05
2,4'-DDD	ND	2.99	2.99	ug/kg dry	1	10/26/20 17:06	EPA 8081B	
2,4'-DDE	ND	1.50	2.99	ug/kg dry	1	10/26/20 17:06	EPA 8081B	
2,4'-DDT	ND	1.50	2.99	ug/kg dry	1	10/26/20 17:06	EPA 8081B	
4,4'-DDD	ND	5.99	5.99	ug/kg dry	1	10/26/20 17:06	EPA 8081B	R-02
4,4'-DDE	ND	2.99	2.99	ug/kg dry	1	10/26/20 17:06	EPA 8081B	
4,4'-DDT	ND	2.99	2.99	ug/kg dry	1	10/26/20 17:06	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>10/26/20 17:06</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>87 %</i>		<i>55-130 %</i>		<i>1</i>	<i>10/26/20 17:06</i>	<i>EPA 8081B</i>

USMPDI-004SG-201012 (A0J0472-03RE1)			Matrix: SE		Batch: 0100835			C-05
2,4'-DDD	ND	4.07	4.07	ug/kg dry	1	10/27/20 16:38	EPA 8081B	
2,4'-DDE	ND	4.07	4.07	ug/kg dry	1	10/27/20 16:38	EPA 8081B	
2,4'-DDT	ND	2.04	4.07	ug/kg dry	1	10/27/20 16:38	EPA 8081B	
4,4'-DDD	8.00	2.04	4.07	ug/kg dry	1	10/27/20 16:38	EPA 8081B	P-11
4,4'-DDE	ND	4.07	4.07	ug/kg dry	1	10/27/20 16:38	EPA 8081B	
4,4'-DDT	ND	2.04	4.07	ug/kg dry	1	10/27/20 16:38	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>10/27/20 16:38</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>1</i>	<i>10/27/20 16:38</i>	<i>EPA 8081B</i>

USMPDI-007SG-201012 (A0J0472-04RE1)			Matrix: SE		Batch: 0100835			C-05
2,4'-DDD	ND	4.56	4.56	ug/kg dry	1	10/27/20 16:54	EPA 8081B	
2,4'-DDE	ND	4.56	4.56	ug/kg dry	1	10/27/20 16:54	EPA 8081B	
2,4'-DDT	ND	2.28	4.56	ug/kg dry	1	10/27/20 16:54	EPA 8081B	
4,4'-DDD	3.45	2.28	4.56	ug/kg dry	1	10/27/20 16:54	EPA 8081B	J, P-11

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0J0472 - 11 16 20 0606
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
USMPDI-007SG-201012 (A0J0472-04RE1)			Matrix: SE		Batch: 0100835		C-05		
4,4'-DDE	ND	4.56	4.56	ug/kg dry	1	10/27/20 16:54	EPA 8081B		
4,4'-DDT	ND	2.28	4.56	ug/kg dry	1	10/27/20 16:54	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>		<i>10/27/20 16:54 EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>		<i>77 %</i>		<i>55-130 %</i>		<i>1</i>		<i>10/27/20 16:54 EPA 8081B</i>	
USMPDI-009SG-201012 (A0J0472-05RE1)			Matrix: SE		Batch: 0100835		C-05		
2,4'-DDD	ND	3.63	3.63	ug/kg dry	1	10/27/20 17:14	EPA 8081B		
2,4'-DDE	ND	3.63	3.63	ug/kg dry	1	10/27/20 17:14	EPA 8081B		
2,4'-DDT	ND	1.81	3.63	ug/kg dry	1	10/27/20 17:14	EPA 8081B		
4,4'-DDD	5.80	1.81	3.63	ug/kg dry	1	10/27/20 17:14	EPA 8081B	P-11	
4,4'-DDE	ND	3.63	3.63	ug/kg dry	1	10/27/20 17:14	EPA 8081B		
4,4'-DDT	ND	1.81	3.63	ug/kg dry	1	10/27/20 17:14	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 79 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>		<i>10/27/20 17:14 EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>		<i>91 %</i>		<i>55-130 %</i>		<i>1</i>		<i>10/27/20 17:14 EPA 8081B</i>	
USMPDI-025SG-201012 (A0J0472-06RE1)			Matrix: SE		Batch: 0100835		C-05		
2,4'-DDD	ND	6.39	6.39	ug/kg dry	1	10/27/20 17:31	EPA 8081B	R-02	
2,4'-DDE	ND	9.48	9.48	ug/kg dry	1	10/27/20 17:31	EPA 8081B	R-02	
2,4'-DDT	ND	5.56	5.56	ug/kg dry	1	10/27/20 17:31	EPA 8081B	R-02	
4,4'-DDD	6.76	2.06	4.12	ug/kg dry	1	10/27/20 17:31	EPA 8081B	P-11	
4,4'-DDE	ND	5.56	5.56	ug/kg dry	1	10/27/20 17:31	EPA 8081B	R-02	
4,4'-DDT	15.4	2.06	4.12	ug/kg dry	1	10/27/20 17:31	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>		<i>10/27/20 17:31 EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>		<i>107 %</i>		<i>55-130 %</i>		<i>1</i>		<i>10/27/20 17:31 EPA 8081B</i>	

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0J0472 - 11 16 20 0606
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ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SG-RB-2010121630 (A0J0472-01)				Matrix: WQ		Batch: 0100503		
Acenaphthene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Acenaphthylene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Anthracene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Benz(a)anthracene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Benzo(a)pyrene	ND	0.0143	0.0286	ug/L	1	10/15/20 19:36	EPA 8270E	
Benzo(b)fluoranthene	ND	0.0143	0.0286	ug/L	1	10/15/20 19:36	EPA 8270E	
Benzo(k)fluoranthene	ND	0.0143	0.0286	ug/L	1	10/15/20 19:36	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Chrysene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Fluoranthene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Fluorene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
2-Methylnaphthalene	ND	0.0190	0.0381	ug/L	1	10/15/20 19:36	EPA 8270E	
Naphthalene	0.0222	0.0190	0.0381	ug/L	1	10/15/20 19:36	EPA 8270E	J
Phenanthrene	0.0145	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	J
Pyrene	ND	0.00952	0.0190	ug/L	1	10/15/20 19:36	EPA 8270E	
<i>Surrogate: Nitrobenzene-d5 (Surr)</i>		<i>Recovery: 48 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>10/15/20 19:36</i>	<i>EPA 8270E</i>
<i>2-Fluorobiphenyl (Surr)</i>		<i>40 %</i>		<i>44-120 %</i>		<i>1</i>	<i>10/15/20 19:36</i>	<i>EPA 8270E</i>
<i>Phenol-d6 (Surr)</i>		<i>14 %</i>		<i>10-133 %</i>		<i>1</i>	<i>10/15/20 19:36</i>	<i>EPA 8270E</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>58 %</i>		<i>50-134 %</i>		<i>1</i>	<i>10/15/20 19:36</i>	<i>EPA 8270E</i>
<i>2-Fluorophenol (Surr)</i>		<i>24 %</i>		<i>19-120 %</i>		<i>1</i>	<i>10/15/20 19:36</i>	<i>EPA 8270E</i>
<i>2,4,6-Tribromophenol (Surr)</i>		<i>67 %</i>		<i>43-140 %</i>		<i>1</i>	<i>10/15/20 19:36</i>	<i>EPA 8270E</i>

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Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0J0472 - 11 16 20 0606
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ANALYTICAL SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-002SG-201012 (A0J0472-02RE1)				Matrix: SE		Batch: 0100800		
Total Cyanide	0.786	0.155	0.310	mg/kg dry	2	10/23/20 11:46	D7511-12	
USMPDI-004SG-201012 (A0J0472-03RE2)				Matrix: SE		Batch: 0100800		
Total Cyanide	1.06	0.106	0.212	mg/kg dry	1	10/26/20 10:46	D7511-12	
USMPDI-007SG-201012 (A0J0472-04RE2)				Matrix: SE		Batch: 0100800		
Total Cyanide	1.17	0.114	0.228	mg/kg dry	1	10/26/20 10:48	D7511-12	
USMPDI-009SG-201012 (A0J0472-05RE1)				Matrix: SE		Batch: 0100800		
Total Cyanide	1.83	0.464	0.929	mg/kg dry	5	10/23/20 12:20	D7511-12	
USMPDI-025SG-201012 (A0J0472-06RE1)				Matrix: SE		Batch: 0100800		
Total Cyanide	1.18	0.105	0.209	mg/kg dry	1	10/23/20 11:54	D7511-12	

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ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-002SG-201012 (A0J0472-02)				Matrix: SE				
Batch: 0100457								
Total Organic Carbon	1.1	0.032	0.032	% dry	1	10/16/20 14:54	PSEP_SM 5310B MOD	
USMPDI-004SG-201012 (A0J0472-03)				Matrix: SE				
Batch: 0100457								
Total Organic Carbon	2.0	0.042	0.042	% dry	1	10/16/20 15:05	PSEP_SM 5310B MOD	
USMPDI-007SG-201012 (A0J0472-04)				Matrix: SE				
Batch: 0100457								
Total Organic Carbon	2.5	0.047	0.047	% dry	1	10/16/20 15:16	PSEP_SM 5310B MOD	
USMPDI-009SG-201012 (A0J0472-05)				Matrix: SE				
Batch: 0100457								
Total Organic Carbon	1.6	0.037	0.037	% dry	1	10/16/20 15:26	PSEP_SM 5310B MOD	
USMPDI-025SG-201012 (A0J0472-06)				Matrix: SE				
Batch: 0100457								
Total Organic Carbon	2.3	0.043	0.043	% dry	1	10/16/20 15:37	PSEP_SM 5310B MOD	

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ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-002SG-201012 (A0J0472-02)				Matrix: SE				
Batch: 0100456								
Total Solids	62.5	1.00	1.00	%	1	10/15/20 14:45	SM 2540 G	
USMPDI-004SG-201012 (A0J0472-03)				Matrix: SE				
Batch: 0100456								
Total Solids	47.1	1.00	1.00	%	1	10/15/20 14:45	SM 2540 G	
USMPDI-007SG-201012 (A0J0472-04)				Matrix: SE				
Batch: 0100456								
Total Solids	42.3	1.00	1.00	%	1	10/15/20 14:45	SM 2540 G	
USMPDI-009SG-201012 (A0J0472-05)				Matrix: SE				
Batch: 0100456								
Total Solids	53.6	1.00	1.00	%	1	10/15/20 14:45	SM 2540 G	
USMPDI-025SG-201012 (A0J0472-06)				Matrix: SE				
Batch: 0100456								
Total Solids	46.3	1.00	1.00	%	1	10/15/20 14:45	SM 2540 G	

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Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**

Project Number: [none]
Project Manager: **Delaney Peterson**

Report ID:

A0J0472 - 11 16 20 0606

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 0100638 - EPA 3510C (Neutral pH)												
Water												
Blank (0100638-BLK1)			Prepared: 10/19/20 15:24 Analyzed: 10/21/20 13:45									
EPA 8081B												
2,4'-DDD	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 43 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>70 %</i>		<i>30-135 %</i>		<i>"</i>						
LCS (0100638-BS1)			Prepared: 10/19/20 15:24 Analyzed: 10/21/20 14:01									
EPA 8081B												
4,4'-DDD	0.419	0.00500	0.0100	ug/L	1	0.500	---	84	56-143%	---	---	
4,4'-DDE	0.393	0.00500	0.0100	ug/L	1	0.500	---	79	57-135%	---	---	
4,4'-DDT	0.402	0.00500	0.0100	ug/L	1	0.500	---	80	51-143%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 50 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>63 %</i>		<i>30-135 %</i>		<i>"</i>						
LCS (0100638-BS2)			Prepared: 10/19/20 15:24 Analyzed: 10/21/20 14:34									
EPA 8081B												
2,4'-DDD	0.449	0.00500	0.0100	ug/L	1	0.500	---	90	67-142%	---	---	
2,4'-DDE	0.441	0.00500	0.0100	ug/L	1	0.500	---	88	63-135%	---	---	
2,4'-DDT	0.469	0.00500	0.0100	ug/L	1	0.500	---	94	76-156%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 64 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>72 %</i>		<i>30-135 %</i>		<i>"</i>						
LCS Dup (0100638-BSD1)			Prepared: 10/19/20 15:24 Analyzed: 10/21/20 14:18									
EPA 8081B												
4,4'-DDD	0.428	0.00500	0.0100	ug/L	1	0.500	---	86	56-143%	2	30%	
4,4'-DDE	0.398	0.00500	0.0100	ug/L	1	0.500	---	80	57-135%	1	30%	
4,4'-DDT	0.423	0.00500	0.0100	ug/L	1	0.500	---	85	51-143%	5	30%	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 49 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>66 %</i>		<i>30-135 %</i>		<i>"</i>						

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QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100638 - EPA 3510C (Neutral pH)						Water						
LCS Dup (0100638-BSD2)						Prepared: 10/19/20 15:24 Analyzed: 10/21/20 14:51						Q-19
EPA 8081B												
2,4'-DDD	0.449	0.00500	0.0100	ug/L	1	0.500	---	90	67-142%	0.04	30%	
2,4'-DDE	0.437	0.00500	0.0100	ug/L	1	0.500	---	87	63-135%	1	30%	
2,4'-DDT	0.467	0.00500	0.0100	ug/L	1	0.500	---	93	76-156%	0.3	30%	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 46 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>66 %</i>		<i>30-135 %</i>		<i>"</i>						

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QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100835 - EPA 3546												
Sediment												
Blank (0100835-BLK1)												
Prepared: 10/22/20 11:08 Analyzed: 10/26/20 13:19												
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	---	---	---	---	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 59 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>86 %</i>		<i>55-130 %</i>		<i>"</i>						
LCS (0100835-BS1)												
Prepared: 10/22/20 11:08 Analyzed: 10/26/20 13:36												
EPA 8081B												
2,4'-DDD	45.7	1.00	2.00	ug/kg wet	1	50.0	---	91	58-128%	---	---	
2,4'-DDE	42.3	1.00	2.00	ug/kg wet	1	50.0	---	85	49-125%	---	---	
2,4'-DDT	43.2	1.00	2.00	ug/kg wet	1	50.0	---	86	66-145%	---	---	
4,4'-DDD	39.2	1.00	2.00	ug/kg wet	1	50.0	---	78	56-139%	---	---	
4,4'-DDE	40.1	1.00	2.00	ug/kg wet	1	50.0	---	80	56-134%	---	---	
4,4'-DDT	51.2	1.00	2.00	ug/kg wet	1	50.0	---	102	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 65 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>"</i>						
Duplicate (0100835-DUP1)												
Prepared: 10/22/20 11:08 Analyzed: 10/26/20 17:23												
QC Source Sample: USMPDI-002SG-201012 (A0J0472-02RE1)												
EPA 8081B												
2,4'-DDD	ND	3.00	3.00	ug/kg dry	1	---	ND	---	---	---	30%	
2,4'-DDE	ND	3.00	3.00	ug/kg dry	1	---	ND	---	---	---	30%	
2,4'-DDT	ND	4.05	4.05	ug/kg dry	1	---	ND	---	---	---	30%	R-02
4,4'-DDD	ND	7.34	7.34	ug/kg dry	1	---	ND	---	---	---	30%	R-02
4,4'-DDE	ND	3.75	3.75	ug/kg dry	1	---	ND	---	---	---	30%	R-02
4,4'-DDT	ND	4.35	4.35	ug/kg dry	1	---	ND	---	---	---	30%	R-02
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>106 %</i>		<i>55-130 %</i>		<i>"</i>						

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QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100835 - EPA 3546						Sediment						
Matrix Spike (0100835-MS1)						Prepared: 10/22/20 11:08 Analyzed: 10/27/20 17:48						C-05
QC Source Sample: USMPDI-025SG-201012 (A0J0472-06RE1)												
EPA 8081B												
2,4'-DDD	245	12.9	12.9	ug/kg dry	1	208	ND	118	58-128%	---	---	R-02
2,4'-DDE	229	19.1	19.1	ug/kg dry	1	208	ND	110	49-125%	---	---	R-02
2,4'-DDT	202	11.2	11.2	ug/kg dry	1	208	ND	97	66-145%	---	---	R-02
4,4'-DDD	228	13.7	13.7	ug/kg dry	1	208	ND	110	56-139%	---	---	R-02
4,4'-DDE	243	11.2	11.2	ug/kg dry	1	208	ND	117	56-134%	---	---	R-02
4,4'-DDT	199	4.15	8.30	ug/kg dry	1	208	15.4	88	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>95 %</i>		<i>55-130 %</i>		<i>"</i>						

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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100503 - EPA 3510C (Acid Extraction)						Water						
Blank (0100503-BLK2)			Prepared: 10/15/20 10:57 Analyzed: 10/15/20 17:49									
<u>EPA 8270E</u>												
Acenaphthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	0.0236	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	B-02, J
2-Methylnaphthalene	0.0295	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	B-02, J
Naphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Phenol	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100503 - EPA 3510C (Acid Extraction)						Water						
Blank (0100503-BLK2)						Prepared: 10/15/20 10:57 Analyzed: 10/15/20 17:49						
2,3,5,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
<i>Surr: Nitrobenzene-d5 (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>2-Fluorobiphenyl (Surr)</i>		<i>55 %</i>		<i>44-120 %</i>		<i>"</i>						
<i>Phenol-d6 (Surr)</i>		<i>21 %</i>		<i>10-133 %</i>		<i>"</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>74 %</i>		<i>50-134 %</i>		<i>"</i>						
<i>2-Fluorophenol (Surr)</i>		<i>41 %</i>		<i>19-120 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>80 %</i>		<i>43-140 %</i>		<i>"</i>						

LCS (0100503-BS2)						Prepared: 10/15/20 10:57 Analyzed: 10/15/20 18:25						
EPA 8270E												
Acenaphthene	2.71	0.0200	0.0400	ug/L	2	4.00	---	68	47-122%	---	---	
Acenaphthylene	2.94	0.0200	0.0400	ug/L	2	4.00	---	74	41-130%	---	---	
Anthracene	3.01	0.0200	0.0400	ug/L	2	4.00	---	75	57-123%	---	---	
Benz(a)anthracene	3.33	0.0200	0.0400	ug/L	2	4.00	---	83	58-125%	---	---	
Benzo(a)pyrene	3.45	0.0300	0.0600	ug/L	2	4.00	---	86	54-128%	---	---	
Benzo(b)fluoranthene	3.48	0.0300	0.0600	ug/L	2	4.00	---	87	53-131%	---	---	
Benzo(k)fluoranthene	3.27	0.0300	0.0600	ug/L	2	4.00	---	82	57-129%	---	---	
Benzo(g,h,i)perylene	3.14	0.0200	0.0400	ug/L	2	4.00	---	79	50-134%	---	---	
Chrysene	3.28	0.0200	0.0400	ug/L	2	4.00	---	82	59-123%	---	---	
Dibenz(a,h)anthracene	3.11	0.0200	0.0400	ug/L	2	4.00	---	78	51-134%	---	---	
Fluoranthene	3.29	0.0200	0.0400	ug/L	2	4.00	---	82	57-128%	---	---	
Fluorene	2.81	0.0200	0.0400	ug/L	2	4.00	---	70	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	2.99	0.0200	0.0400	ug/L	2	4.00	---	75	52-134%	---	---	
1-Methylnaphthalene	2.58	0.0400	0.0800	ug/L	2	4.00	---	64	41-120%	---	---	B-02
2-Methylnaphthalene	2.58	0.0400	0.0800	ug/L	2	4.00	---	65	40-121%	---	---	B-02
Naphthalene	2.44	0.0400	0.0800	ug/L	2	4.00	---	61	40-121%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100503 - EPA 3510C (Acid Extraction)						Water						
LCS (0100503-BS2)			Prepared: 10/15/20 10:57 Analyzed: 10/15/20 18:25									
Phenanthrene	2.85	0.0200	0.0400	ug/L	2	4.00	---	71	59-120%	---	---	
Pyrene	3.30	0.0200	0.0400	ug/L	2	4.00	---	82	57-126%	---	---	
Carbazole	3.92	0.0300	0.0600	ug/L	2	4.00	---	98	60-122%	---	---	
Dibenzofuran	2.71	0.0200	0.0400	ug/L	2	4.00	---	68	53-120%	---	---	
2-Chlorophenol	2.59	0.100	0.200	ug/L	2	4.00	---	65	38-120%	---	---	
4-Chloro-3-methylphenol	3.24	0.200	0.400	ug/L	2	4.00	---	81	52-120%	---	---	
2,4-Dichlorophenol	2.99	0.100	0.200	ug/L	2	4.00	---	75	47-121%	---	---	
2,4-Dimethylphenol	2.77	0.100	0.200	ug/L	2	4.00	---	69	31-124%	---	---	
2,4-Dinitrophenol	3.43	0.500	1.00	ug/L	2	4.00	---	86	23-143%	---	---	Q-31
4,6-Dinitro-2-methylphenol	3.08	0.500	1.00	ug/L	2	4.00	---	77	44-137%	---	---	Q-31
2-Methylphenol	2.37	0.0500	0.100	ug/L	2	4.00	---	59	30-120%	---	---	
3+4-Methylphenol(s)	2.16	0.0500	0.100	ug/L	2	4.00	---	54	29-120%	---	---	
2-Nitrophenol	2.96	0.200	0.400	ug/L	2	4.00	---	74	47-123%	---	---	
4-Nitrophenol	1.14	0.200	0.400	ug/L	2	4.00	---	29	10-120%	---	---	
Pentachlorophenol (PCP)	3.34	0.200	0.400	ug/L	2	4.00	---	83	35-138%	---	---	
Phenol	0.913	0.400	0.800	ug/L	2	4.00	---	23	10-120%	---	---	
2,3,4,6-Tetrachlorophenol	3.14	0.100	0.200	ug/L	2	4.00	---	78	50-128%	---	---	
2,3,5,6-Tetrachlorophenol	3.23	0.100	0.200	ug/L	2	4.00	---	81	50-121%	---	---	
2,4,5-Trichlorophenol	3.08	0.100	0.200	ug/L	2	4.00	---	77	53-123%	---	---	
2,4,6-Trichlorophenol	3.08	0.100	0.200	ug/L	2	4.00	---	77	50-125%	---	---	
Bis(2-ethylhexyl)phthalate	3.98	0.400	0.800	ug/L	2	4.00	---	100	55-135%	---	---	
Butyl benzyl phthalate	4.01	0.400	0.800	ug/L	2	4.00	---	100	53-134%	---	---	
Diethylphthalate	3.22	0.400	0.800	ug/L	2	4.00	---	80	56-125%	---	---	
Dimethylphthalate	3.16	0.400	0.800	ug/L	2	4.00	---	79	45-127%	---	---	
Di-n-butylphthalate	3.61	0.400	0.800	ug/L	2	4.00	---	90	59-127%	---	---	
Di-n-octyl phthalate	4.19	0.400	0.800	ug/L	2	4.00	---	105	51-140%	---	---	
<i>Surr: Nitrobenzene-d5 (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 2x</i>						
<i>2-Fluorobiphenyl (Surr)</i>		<i>67 %</i>		<i>44-120 %</i>		<i>"</i>						
<i>Phenol-d6 (Surr)</i>		<i>24 %</i>		<i>10-133 %</i>		<i>"</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>87 %</i>		<i>50-134 %</i>		<i>"</i>						
<i>2-Fluorophenol (Surr)</i>		<i>43 %</i>		<i>19-120 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>86 %</i>		<i>43-140 %</i>		<i>"</i>						

LCS Dup (0100503-BSD2)	Prepared: 10/15/20 10:57 Analyzed: 10/15/20 19:01	Q-19
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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100503 - EPA 3510C (Acid Extraction)						Water						
LCS Dup (0100503-BSD2)						Prepared: 10/15/20 10:57 Analyzed: 10/15/20 19:01						Q-19
<u>EPA 8270E</u>												
Acenaphthene	2.74	0.0200	0.0400	ug/L	2	4.00	---	69	47-122%	1	30%	
Acenaphthylene	2.95	0.0200	0.0400	ug/L	2	4.00	---	74	41-130%	0.3	30%	
Anthracene	3.06	0.0200	0.0400	ug/L	2	4.00	---	77	57-123%	2	30%	
Benz(a)anthracene	3.33	0.0200	0.0400	ug/L	2	4.00	---	83	58-125%	0.1	30%	
Benzo(a)pyrene	3.47	0.0300	0.0600	ug/L	2	4.00	---	87	54-128%	0.7	30%	
Benzo(b)fluoranthene	3.47	0.0300	0.0600	ug/L	2	4.00	---	87	53-131%	0.04	30%	
Benzo(k)fluoranthene	3.31	0.0300	0.0600	ug/L	2	4.00	---	83	57-129%	1	30%	
Benzo(g,h,i)perylene	3.14	0.0200	0.0400	ug/L	2	4.00	---	79	50-134%	0.001	30%	
Chrysene	3.35	0.0200	0.0400	ug/L	2	4.00	---	84	59-123%	2	30%	
Dibenz(a,h)anthracene	3.07	0.0200	0.0400	ug/L	2	4.00	---	77	51-134%	1	30%	
Fluoranthene	3.29	0.0200	0.0400	ug/L	2	4.00	---	82	57-128%	0.2	30%	
Fluorene	2.88	0.0200	0.0400	ug/L	2	4.00	---	72	52-124%	3	30%	
Indeno(1,2,3-cd)pyrene	2.94	0.0200	0.0400	ug/L	2	4.00	---	74	52-134%	1	30%	
1-Methylnaphthalene	2.53	0.0400	0.0800	ug/L	2	4.00	---	63	41-120%	2	30%	B-02
2-Methylnaphthalene	2.52	0.0400	0.0800	ug/L	2	4.00	---	63	40-121%	2	30%	B-02
Naphthalene	2.36	0.0400	0.0800	ug/L	2	4.00	---	59	40-121%	3	30%	
Phenanthrene	2.87	0.0200	0.0400	ug/L	2	4.00	---	72	59-120%	0.7	30%	
Pyrene	3.38	0.0200	0.0400	ug/L	2	4.00	---	84	57-126%	2	30%	
Carbazole	4.00	0.0300	0.0600	ug/L	2	4.00	---	100	60-122%	2	30%	
Dibenzofuran	2.73	0.0200	0.0400	ug/L	2	4.00	---	68	53-120%	0.5	30%	
2-Chlorophenol	2.65	0.100	0.200	ug/L	2	4.00	---	66	38-120%	2	30%	
4-Chloro-3-methylphenol	3.39	0.200	0.400	ug/L	2	4.00	---	85	52-120%	5	30%	
2,4-Dichlorophenol	3.05	0.100	0.200	ug/L	2	4.00	---	76	47-121%	2	30%	
2,4-Dimethylphenol	2.80	0.100	0.200	ug/L	2	4.00	---	70	31-124%	1	30%	
2,4-Dinitrophenol	3.50	0.500	1.00	ug/L	2	4.00	---	87	23-143%	2	30%	Q-31
4,6-Dinitro-2-methylphenol	3.20	0.500	1.00	ug/L	2	4.00	---	80	44-137%	4	30%	Q-31
2-Methylphenol	2.45	0.0500	0.100	ug/L	2	4.00	---	61	30-120%	3	30%	
3+4-Methylphenol(s)	2.25	0.0500	0.100	ug/L	2	4.00	---	56	29-120%	4	30%	
2-Nitrophenol	2.96	0.200	0.400	ug/L	2	4.00	---	74	47-123%	0.05	30%	
4-Nitrophenol	1.33	0.200	0.400	ug/L	2	4.00	---	33	10-120%	15	30%	
Pentachlorophenol (PCP)	3.36	0.200	0.400	ug/L	2	4.00	---	84	35-138%	0.8	30%	
Phenol	1.00	0.400	0.800	ug/L	2	4.00	---	25	10-120%	9	30%	
2,3,4,6-Tetrachlorophenol	3.10	0.100	0.200	ug/L	2	4.00	---	78	50-128%	1	30%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100503 - EPA 3510C (Acid Extraction)						Water						
LCS Dup (0100503-BSD2)						Prepared: 10/15/20 10:57 Analyzed: 10/15/20 19:01						Q-19
2,3,5,6-Tetrachlorophenol	3.30	0.100	0.200	ug/L	2	4.00	---	82	50-121%	2	30%	
2,4,5-Trichlorophenol	3.10	0.100	0.200	ug/L	2	4.00	---	78	53-123%	0.8	30%	
2,4,6-Trichlorophenol	3.13	0.100	0.200	ug/L	2	4.00	---	78	50-125%	1	30%	
Bis(2-ethylhexyl)phthalate	3.94	0.400	0.800	ug/L	2	4.00	---	99	55-135%	1	30%	
Butyl benzyl phthalate	4.00	0.400	0.800	ug/L	2	4.00	---	100	53-134%	0.2	30%	
Diethylphthalate	3.17	0.400	0.800	ug/L	2	4.00	---	79	56-125%	1	30%	
Dimethylphthalate	3.18	0.400	0.800	ug/L	2	4.00	---	80	45-127%	0.8	30%	
Di-n-butylphthalate	3.58	0.400	0.800	ug/L	2	4.00	---	90	59-127%	0.6	30%	
Di-n-octyl phthalate	4.12	0.400	0.800	ug/L	2	4.00	---	103	51-140%	2	30%	
<i>Surr: Nitrobenzene-d5 (Surr)</i>		<i>Recovery: 77 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 2x</i>						
<i>2-Fluorobiphenyl (Surr)</i>		<i>66 %</i>		<i>44-120 %</i>		<i>"</i>						
<i>Phenol-d6 (Surr)</i>		<i>25 %</i>		<i>10-133 %</i>		<i>"</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>82 %</i>		<i>50-134 %</i>		<i>"</i>						
<i>2-Fluorophenol (Surr)</i>		<i>43 %</i>		<i>19-120 %</i>		<i>"</i>						
<i>2,4,6-Tribromophenol (Surr)</i>		<i>83 %</i>		<i>43-140 %</i>		<i>"</i>						

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QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100800 - ASTM D7511-12mod (S)						Soil						
Blank (0100800-BLK1)			Prepared: 10/23/20 09:03 Analyzed: 10/23/20 10:46									
<u>D7511-12</u>												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
LCS (0100800-BS1)			Prepared: 10/23/20 09:03 Analyzed: 10/23/20 10:48									
<u>D7511-12</u>												
Total Cyanide	0.464	0.0500	0.100	mg/kg wet	1	0.400	---	116	84-116%	---	---	
Matrix Spike (0100800-MS2)			Prepared: 10/23/20 09:03 Analyzed: 10/23/20 11:48									
<u>QC Source Sample: USMPDI-002SG-201012 (A0J0472-02RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	1.32	0.157	0.313	mg/kg dry	2	0.627	0.786	85	64-136%	---	---	Q-16
Matrix Spike Dup (0100800-MSD2)			Prepared: 10/23/20 09:03 Analyzed: 10/23/20 11:50									
<u>QC Source Sample: USMPDI-002SG-201012 (A0J0472-02RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	1.36	0.158	0.315	mg/kg dry	2	0.631	0.786	91	64-136%	3	47%	Q-16

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QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100457 - PSEP-5310B TOC						Soil						
Blank (0100457-BLK1)			Prepared: 10/14/20 09:59 Analyzed: 10/16/20 11:50									
<u>PSEP SM 5310B MOD</u>												
Total Organic Carbon	ND	0.020	0.020	% wet	1	---	---	---	---	---	---	
LCS (0100457-BS1)			Prepared: 10/14/20 09:59 Analyzed: 10/16/20 12:01									
<u>PSEP SM 5310B MOD</u>												
Total Organic Carbon	9600			mg/kg	1	10000	---	96	88-111%	---	---	
Duplicate (0100457-DUP1)			Prepared: 10/14/20 09:59 Analyzed: 10/16/20 12:23									
<u>QC Source Sample: Non-SDG (A0J0371-01)</u>												
Total Organic Carbon	2.3	0.049	0.049	% dry	1	---	2.3	---	---	0.5	27%	
Duplicate (0100457-DUP2)			Prepared: 10/14/20 09:59 Analyzed: 10/16/20 12:34									
<u>QC Source Sample: Non-SDG (A0J0371-01)</u>												
Total Organic Carbon	2.3	0.049	0.049	% dry	1	---	2.3	---	---	2	27%	
Duplicate (0100457-DUP3)			Prepared: 10/14/20 09:59 Analyzed: 10/16/20 14:11									
<u>QC Source Sample: Non-SDG (A0J0371-07)</u>												
Total Organic Carbon	2.5	0.052	0.052	% dry	1	---	2.4	---	---	5	27%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0100456 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0100456-DUP1)						Prepared: 10/14/20 10:00 Analyzed: 10/15/20 14:45						
<u>QC Source Sample: Non-SDG (A0J0371-07)</u>												
Total Solids	37.9	1.00	1.00	%	1	---	38.3	---	---	1	10%	
Duplicate (0100456-DUP2)						Prepared: 10/14/20 10:00 Analyzed: 10/15/20 14:45						
<u>QC Source Sample: USMPDI-025SG-201012 (A0J0472-06)</u>												
<u>SM 2540 G</u>												
Total Solids	44.9	1.00	1.00	%	1	---	46.3	---	---	3	10%	

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Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**
Project Number: [none]
Project Manager: **Delaney Peterson**

Report ID:
A0J0472 - 11 16 20 0606

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3510C (Neutral pH)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100638							
A0J0472-01	WQ	EPA 8081B	10/12/20 16:30	10/19/20 15:24	1050mL/5mL	1000mL/5mL	0.95

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100835							
A0J0472-02RE1	SE	EPA 8081B	10/12/20 12:06	10/22/20 11:08	10.68g/10mL	10g/5mL	1.87
A0J0472-03RE1	SE	EPA 8081B	10/12/20 10:24	10/22/20 11:08	10.42g/10mL	10g/5mL	1.92
A0J0472-04RE1	SE	EPA 8081B	10/12/20 14:10	10/22/20 11:08	10.37g/10mL	10g/5mL	1.93
A0J0472-05RE1	SE	EPA 8081B	10/12/20 09:29	10/22/20 11:08	10.29g/10mL	10g/5mL	1.94
A0J0472-06RE1	SE	EPA 8081B	10/12/20 15:08	10/22/20 11:08	10.48g/10mL	10g/5mL	1.91

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100503							
A0J0472-01	WQ	EPA 8270E	10/12/20 16:30	10/15/20 10:57	1050mL/1mL	1000mL/1mL	0.95

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Prep: ASTM D7511-12mod (S)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100800							
A0J0472-02RE1	SE	D7511-12	10/12/20 12:06	10/23/20 09:03	2.5812g/50mL	2.5g/50mL	0.97
A0J0472-03RE2	SE	D7511-12	10/12/20 10:24	10/23/20 09:03	2.504g/50mL	2.5g/50mL	1.00
A0J0472-04RE2	SE	D7511-12	10/12/20 14:10	10/23/20 09:03	2.5956g/50mL	2.5g/50mL	0.96
A0J0472-05RE1	SE	D7511-12	10/12/20 09:29	10/23/20 09:03	2.5115g/50mL	2.5g/50mL	1.00
A0J0472-06RE1	SE	D7511-12	10/12/20 15:08	10/23/20 09:03	2.5823g/50mL	2.5g/50mL	0.97

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100457							
A0J0472-02	SE	PSEP_SM 5310B MOD	10/12/20 12:06	10/14/20 09:59			NA

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SAMPLE PREPARATION INFORMATION

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0J0472-03	SE	PSEP_SM 5310B MOD	10/12/20 10:24	10/14/20 09:59			NA
A0J0472-04	SE	PSEP_SM 5310B MOD	10/12/20 14:10	10/14/20 09:59			NA
A0J0472-05	SE	PSEP_SM 5310B MOD	10/12/20 09:29	10/14/20 09:59			NA
A0J0472-06	SE	PSEP_SM 5310B MOD	10/12/20 15:08	10/14/20 09:59			NA

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0100456</u>							
A0J0472-02	SE	SM 2540 G	10/12/20 12:06	10/14/20 10:00			NA
A0J0472-03	SE	SM 2540 G	10/12/20 10:24	10/14/20 10:00			NA
A0J0472-04	SE	SM 2540 G	10/12/20 14:10	10/14/20 10:00			NA
A0J0472-05	SE	SM 2540 G	10/12/20 09:29	10/14/20 10:00			NA
A0J0472-06	SE	SM 2540 G	10/12/20 15:08	10/14/20 10:00			NA

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Anchor QEA, LLC

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Project: **US Moorings -- C2, C3, C4**

Project Number: [none]

Project Manager: **Delaney Peterson**

Report ID:

A0J0472 - 11 16 20 0606

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.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- P-11** Result estimated. Secondary column confirmation does not meet method criteria due to matrix interference.
- Q-16** Reanalysis of an original Batch QC sample.
- Q-19** Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
- Q-31** Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- S-06** Surrogate recovery is outside of established control limits.

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Project: US Moorings -- C2, C3, C4

Project Number: [none]

Project Manager: Delaney Peterson

Report ID:

A0J0472 - 11 16 20 0606

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

QC Source:

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

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

Miscellaneous Notes:

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

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to 1/2 the Reporting Limit (RL).
-For Blank hits falling between 1/2 the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

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



Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: US Moorings -- C2, C3, C4

Project Number: [none]

Project Manager: Delaney Peterson

Report ID:

A0J0472 - 11 16 20 0606

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

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



Apex Laboratories, LLC

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

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: US Moorings -- C2, C3, C4 Project Number: [none] Project Manager: Delaney Peterson	Report ID: A0J0472 - 11 16 20 0606
--	---	--

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

Apex Laboratories

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



Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: US Moorings - C2, C3, C4

Project Number: [none]
Project Manager: Delaney Peterson

Report ID:

A0J0472 - 11 16 20 0606

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0J0472

COC ID: APEX-20201012-165410
Sample Custodian: dep
Lab: Apex

POC: * Delaney Peterson (360-715-2707) Project: GascoSiltic: US Moorings
1605 Cornwell Avenue, Bellingham, WA 98225 Client: NW Natural

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab #	Containers	Lab QC	Test Request	Method	TAI**	Preservative
001	SG-RB-2010121630	RB	WQ	10/12/2020	16:30	2		<input type="checkbox"/>	LR Pesticides (QAPP C-2, C-3, and C-4) PAH	SW8081B SW8270E	30 30	4°C 4°C
002	USMPDI-002SG-201012	N	SE	10/12/2020	12:06	1		<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM5310B SW8081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
003	USMPDI-004SG-201012	N	SE	10/12/2020	10:24	1		<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM5310B SW8081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
004	USMPDI-007SG-201012	N	SE	10/12/2020	14:10	1		<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM5310B SW8081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
005	USMPDI-008SG-201012	N	SE	10/12/2020	9:29	1		<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4)	D7511-12 SM5310B SW8081B	30 30 30	4°C 4°C 4°C

Comment:

Requested By	Signature	Print Name	Company	Date/Time	Received By	Signature	Print Name	Company	Date/Time
Delaney Peterson		Delaney Peterson	APEX	10/13/20 7:35					

Date Printed: 10/12/2020

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

Page 1 of 2

Apex Laboratories

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

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

Project: **US Moorings -- C2, C3, C4**
Project Number: [none]
Project Manager: **Delaney Peterson**

Report ID:
A0J0472 - 11 16 20 0606

A0J0472

COC ID: APEX-20201012-165410
Sample Custodian: dep
Lab: Apex

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

POC: **Anchor QEA, LLC**
1201 4th Avenue, Suite 200, Seattle, WA 98101

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

Project: **Gasco/Siltronic, US Moorings**
Client: **NW Natural**

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab OC*	Test Request	Method	TAT**	Preservative
005	USMFDI-0095G-201012	N	SE	10/12/2020	9:29	1	<input type="checkbox"/>	Total solids (APEX)	SM2540G	30	4°C
006	USMFDI-0255G-201004-12	N	SE	10/19/2020	9:00	1	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM6310B SM6081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C

Comment:

Received By:	Signature	Print Name	Company	Date/Time	Received By:	Signature	Print Name	Company	Date/Time
Delaney Peterson	<i>[Signature]</i>	Delaney Peterson	APEX	10/13/20 7:35	Delaney Peterson	<i>[Signature]</i>	Delaney Peterson	APEX	10/13/20 7:35

Date Printed: 10/12/2020

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

Page 2 of 2

Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: **US Moorings -- C2, C3, C4**

Project Number: [none]

Project Manager: **Delaney Peterson**

Report ID:

A0J0472 - 11 16 20 0606

APEX LABS COOLER RECEIPT FORM

Client: Anchor **Element WO#:** A0J0472

Project/Project #: Gasco Siltronics: US Moorings

Delivery Info:

Date/time received: 10/13/20 @ 4:35 **By:** PK

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

Cooler Inspection **Date/time inspected:** 10/13/20 @ 7:38 **By:** MM

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

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	4.1	5.0					
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:** 10/13/20 @ 2013 **By:** 80

All samples intact? Yes No **Comments:** _____

Bottle labels/COCs agree? Yes No **Comments:** _____

COC/container discrepancies form initiated? Yes No NA

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

Do VOA vials have visible headspace? Yes No NA

Comments: _____

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

Comments: _____

Additional information: _____

Labeled by: 80 **Witness:** [Signature] **Cooler Inspected by:** 80 **See Project Contact Form:** Y



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

A0J0472

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: US Moorings -- C2, C3, C4	Project Number: [none]

Report To:	Invoice To:
Anchor QEA, LLC	Anchor QEA, LLC
Delaney Peterson	Delaney Peterson
6720 SW Macadam Ave. Suite 125	6720 SW Macadam Ave. Suite 125
Portland, OR 97219	Portland, OR 97219
Phone: (360) 733-4311	Phone : (360) 733-4311
Fax: na	Fax: na

Date Due: 10/27/20 17:00 (10 day TAT)	
Received By: Russ Komorow	Date Received: 10/13/20 07:35
Logged In By: Susan L. Treat	Date Logged In: 10/13/20 20:20

Cooler #1 received at 4.1°C									
Custody Seals	No	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								
Cooler #2 received at 5.0°C									
Custody Seals	No	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Analysis	Due	TAT	Expires	Comments
A0J0472-01 SG-RB-2010121630 [Water] Sampled 10/12/20 16:30				
(GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Project Mgmt				
Data Package	12/02/20 17:00	10	01/19/21 16:30	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/26/20 17:00	10	10/19/20 16:30	
Semivols (Scan)				
8270E LL PAH/PHTH/Phenols	10/26/20 17:00	10	10/19/20 16:30	PAHs and BEHP only
A0J0472-02 USMPDI-002SG-201012 [Sediment] Sampled 10/12/20 12:06				
(GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/16/20 17:00	3	04/10/21 12:06	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/26/20 17:00	10	10/26/20 12:06	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/26/20 17:00	10	10/26/20 12:06	
Solids, Total (SM 2540 G,B)	10/26/20 17:00	10	04/10/21 12:06	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/09/20 12:06	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/26/20 17:00	10	11/09/20 12:06	

A0J0472

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: US Moorings -- C2, C3, C4	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
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A0J0472-03 USMPDI-004SG-201012 [Sediment] Sampled 10/12/20 10:24 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/16/20 17:00	3	04/10/21 10:24	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/26/20 17:00	10	10/26/20 10:24	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/26/20 17:00	10	10/26/20 10:24	
Solids, Total (SM 2540 G,B)	10/26/20 17:00	10	04/10/21 10:24	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/09/20 10:24	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/26/20 17:00	10	11/09/20 10:24	

A0J0472-04 USMPDI-007SG-201012 [Sediment] Sampled 10/12/20 14:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/16/20 17:00	3	04/10/21 14:10	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/26/20 17:00	10	10/26/20 14:10	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/26/20 17:00	10	10/26/20 14:10	
Solids, Total (SM 2540 G,B)	10/26/20 17:00	10	04/10/21 14:10	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/09/20 14:10	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/26/20 17:00	10	11/09/20 14:10	

A0J0472-05 USMPDI-009SG-201012 [Sediment] Sampled 10/12/20 09:29 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/16/20 17:00	3	04/10/21 09:29	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/26/20 17:00	10	10/26/20 09:29	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/26/20 17:00	10	10/26/20 09:29	
Solids, Total (SM 2540 G,B)	10/26/20 17:00	10	04/10/21 09:29	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/09/20 09:29	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/26/20 17:00	10	11/09/20 09:29	

A0J0472

Apex Laboratories

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4	Project Manager: Darwin Thomas Project Number: [none]
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Analysis	Due	TAT	Expires	Comments
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**A0J0472-06 USMPDI-025SG-201012 [Sediment] Sampled 10/12/20 15:08
 (GMT-08:00) Pacific Time (US & Canada) 1 Containers**

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/16/20 17:00	3	04/10/21 15:08	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/26/20 17:00	10	10/26/20 15:08	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/26/20 17:00	10	10/26/20 15:08	
Solids, Total (SM 2540 G,B)	10/26/20 17:00	10	04/10/21 15:08	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/09/20 15:08	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/26/20 17:00	10	11/09/20 15:08	

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0J0472

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: APEX-20201012-165410
Sample Custodian: dep
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	SG-RB-2010121630	RB	WQ	10/12/2020	16:30	2	<input type="checkbox"/>	LR Pesticides (QAPP C-2, C-3, and C-4) PAH	SW8081B SW8270E	30 30	4°C 4°C
002	USMPDI-002SG-201012	N	SE	10/12/2020	12:06	1	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM5310B SW8081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
003	USMPDI-004SG-201012	N	SE	10/12/2020	10:24	1	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM5310B SW8081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
004	USMPDI-007SG-201012	N	SE	10/12/2020	14:10	1	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM5310B SW8081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
005	USMPDI-009SG-201012	N	SE	10/12/2020	9:29	1	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4)	D7511-12 SM5310B SW8081B	30 30 30	4°C 4°C 4°C

Comment:

Relinquished By: Signature: <i>[Signature]</i>	Received By: Signature: <i>[Signature]</i>	Relinquished By: Signature:	Received By: Signature:	Relinquished By: Signature:	Received By: Signature:
Print Name: D. Peterson	Print Name: <i>[Print Name]</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: APEX	Company:	Company:	Company:	Company:
Date/Time: 10/13/20 0735	Date/Time: 10/13/20 735	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0J0472

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: APEX-20201012-165410
Sample Custodian: dep
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
005	USMPDI-009SG-201012	N	SE	10/12/2020	9:29	1	<input type="checkbox"/>				
				<i>12</i>	<i>1508</i>			Total solids (APEX)	SM2540G	30	4°C
006	USMPDI-025SG-201010-12	N	SE	10/10/2020	0:00	1	<input type="checkbox"/>				
								Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: <i>DPeterson</i>	Print Name: <i>R. Compton</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>AQ</i>	Company: <i>Apex</i>	Company:	Company:	Company:	Company:
Date/Time: <i>10.13.20 0735</i>	Date/Time: <i>10/13/20 735</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

APEX LABS COOLER RECEIPT FORM

Client: Anchor Element WO#: A0J0472

Project/Project #: Gasco Siltronics: US Movings

Delivery Info:

Date/time received: 10/13/20 @ 7:35 By: RK

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

Cooler Inspection Date/time inspected: 10/13/20 @ 7:38 By: MM

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

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>4.1</u>	<u>5.0</u>					
Received on ice? (Y/N)	<u>Y</u>	<u>→</u>					
Temp. blanks? (Y/N)	<u>Y</u>	<u>→</u>					
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>→</u>					
Condition:	<u>Good</u>	<u>→</u>					

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

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

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

Samples Inspection: Date/time inspected: 10/13/20 @ 2013 By: 8

All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: _____

COC/container discrepancies form initiated? Yes No NA

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

Do VOA vials have visible headspace? Yes No NA

Comments: _____

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

Comments: _____

Additional information: _____

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

CLP-Like Forms

Apex Laboratories

SDG: A0J0472

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>SG-RB-2010121630</u>	<u>A0J0472-01</u>	<u>WQ</u>
<u>USMPDI-002SG-201012</u>	<u>A0J0472-02</u>	<u>SE</u>
<u>USMPDI-004SG-201012</u>	<u>A0J0472-03</u>	<u>SE</u>
<u>USMPDI-007SG-201012</u>	<u>A0J0472-04</u>	<u>SE</u>
<u>USMPDI-009SG-201012</u>	<u>A0J0472-05</u>	<u>SE</u>
<u>USMPDI-025SG-201012</u>	<u>A0J0472-06</u>	<u>SE</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

11/23/2020 3:40PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Sediment

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

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

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Water

Analyte	MDL	MRL	Units
2,4'-DDD	0.00500	0.0100	ug/L
2,4'-DDD [2C]	0.00500	0.0100	ug/L
2,4'-DDE	0.00500	0.0100	ug/L
2,4'-DDE [2C]	0.00500	0.0100	ug/L
2,4'-DDT	0.00500	0.0100	ug/L
2,4'-DDT [2C]	0.00500	0.0100	ug/L
4,4'-DDD	0.00500	0.0100	ug/L
4,4'-DDD [2C]	0.00500	0.0100	ug/L
4,4'-DDE	0.00500	0.0100	ug/L
4,4'-DDE [2C]	0.00500	0.0100	ug/L
4,4'-DDT	0.00500	0.0100	ug/L
4,4'-DDT [2C]	0.00500	0.0100	ug/L

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

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

SG-RB-2010121630

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>A0J0472</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>US Moorings -- C2, C3, C4</u>
Matrix:	<u>WQ</u>	Laboratory ID:	<u>A0J0472-01</u>
Sampled:	<u>10/12/20 16:30</u>	File ID:	<u>ECD8-10212019.D</u>
		Prepared:	<u>10/19/20 15:24</u>
		Analyzed:	<u>10/21/20 16:39</u>
		Preparation:	<u>EPA 3510C (Neutral pH)</u>
		Initial/Final:	<u>1050 mL / 5 mL</u>
Batch:	<u>0100638</u>	Sequence:	<u>0J21047</u>
		Calibration:	<u>A0J2107</u>
		Instrument:	<u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
53-19-0	2,4'-DDD [2C]	1	0.00476	U
3424-82-6	2,4'-DDE [2C]	1	0.00952	U
789-02-6	2,4'-DDT [2C]	1	0.00476	U
72-54-8	4,4'-DDD [2C]	1	0.00476	U
72-55-9	4,4'-DDE [2C]	1	0.00476	U
50-29-3	4,4'-DDT [2C]	1	0.00476	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.476	0.298	63	25 - 140	
Decachlorobiphenyl (Surr) [2C]	0.476	0.365	77	30 - 135	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-002SG-201012

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>		
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>		
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0472-02RE1</u>	File ID: <u>ECD5-10262020.D</u>	
Sampled: <u>10/12/20 12:06</u>	Prepared: <u>10/22/20 11:08</u>	Analyzed: <u>10/26/20 17:06</u>	
Solids: <u>62.53</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.68 g / 10 mL</u>	
Batch: <u>0100835</u>	Sequence: <u>0J26062</u>	Calibration: <u>A0J1506</u>	Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	2.99	U
3424-82-6	2,4'-DDE	1	1.50	U
789-02-6	2,4'-DDT	1	1.50	U
72-54-8	4,4'-DDD [2C]	1	5.99	U
72-55-9	4,4'-DDE	1	2.99	U
50-29-3	4,4'-DDT [2C]	1	2.99	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	74.9	78.0	104	42 - 129	
Decachlorobiphenyl (Surr)	74.9	65.3	87	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-004SG-201012

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0472-03RE1</u>	File ID: <u>ECD8-10272020.D</u>
Sampled: <u>10/12/20 10:24</u>	Prepared: <u>10/22/20 11:08</u>	Analyzed: <u>10/27/20 16:38</u>
Solids: <u>47.12</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.42 g / 10 mL</u>
Batch: <u>0100835</u>	Sequence: <u>0J27055</u>	Calibration: <u>A0J2107</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	4.07	U
3424-82-6	2,4'-DDE [2C]	1	4.07	U
789-02-6	2,4'-DDT [2C]	1	2.04	U
72-54-8	4,4'-DDD [2C]	1	8.00	
72-55-9	4,4'-DDE [2C]	1	4.07	U
50-29-3	4,4'-DDT	1	2.04	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	102	93.7	92	42 - 129	
Decachlorobiphenyl (Surr) [2C]	102	101	99	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-007SG-201012

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0472-04RE1</u>	File ID: <u>ECD8-10272021.D</u>
Sampled: <u>10/12/20 14:10</u>	Prepared: <u>10/22/20 11:08</u>	Analyzed: <u>10/27/20 16:54</u>
Solids: <u>42.27</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.37 g / 10 mL</u>
Batch: <u>0100835</u>	Sequence: <u>0J27055</u>	Calibration: <u>A0J2107</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	4.56	U
3424-82-6	2,4'-DDE [2C]	1	4.56	U
789-02-6	2,4'-DDT [2C]	1	2.28	U
72-54-8	4,4'-DDD [2C]	1	3.45	J
72-55-9	4,4'-DDE [2C]	1	4.56	U
50-29-3	4,4'-DDT	1	2.28	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	114	90.3	79	42 - 129	
Decachlorobiphenyl (Surr) [2C]	114	87.8	77	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-009SG-201012

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>		
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>		
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0472-05RE1</u>	File ID: <u>ECD8-10272022.D</u>	
Sampled: <u>10/12/20 09:29</u>	Prepared: <u>10/22/20 11:08</u>	Analyzed: <u>10/27/20 17:14</u>	
Solids: <u>53.58</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.29 g / 10 mL</u>	
Batch: <u>0100835</u>	Sequence: <u>0J27055</u>	Calibration: <u>A0J2107</u>	Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	3.63	U
3424-82-6	2,4'-DDE [2C]	1	3.63	U
789-02-6	2,4'-DDT [2C]	1	1.81	U
72-54-8	4,4'-DDD [2C]	1	5.80	
72-55-9	4,4'-DDE [2C]	1	3.63	U
50-29-3	4,4'-DDT	1	1.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	90.7	71.3	79	42 - 129	
Decachlorobiphenyl (Surr) [2C]	90.7	82.4	91	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-025SG-201012

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0472-06RE1</u>	File ID: <u>ECD8-10272023.D</u>
Sampled: <u>10/12/20 15:08</u>	Prepared: <u>10/22/20 11:08</u>	Analyzed: <u>10/27/20 17:31</u>
Solids: <u>46.32</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.48 g / 10 mL</u>
Batch: <u>0100835</u>	Sequence: <u>0J27055</u>	Calibration: <u>A0J2107</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	6.39	U
3424-82-6	2,4'-DDE	1	9.48	U
789-02-6	2,4'-DDT [2C]	1	5.56	U
72-54-8	4,4'-DDD [2C]	1	6.76	
72-55-9	4,4'-DDE	1	5.56	U
50-29-3	4,4'-DDT	1	15.4	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	103	101	98	42 - 129	
Decachlorobiphenyl (Surr) [2C]	103	111	107	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100638 Batch Matrix: Water

Preparation: EPA 3510C (Neutral pH)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100638-BLK1	ECD8-10212009.D	10/19/20 15:24	
LCS	0100638-BS1	ECD8-10212010.D	10/19/20 15:24	
LCS	0100638-BS2	ECD8-10212012.D	10/19/20 15:24	
LCS Dup	0100638-BSD1	ECD8-10212011.D	10/19/20 15:24	
LCS Dup	0100638-BSD2	ECD8-10212013.D	10/19/20 15:24	
SG-RB-2010121630	A0J0472-01	ECD8-10212019.D	10/19/20 15:24	

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

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

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100835

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100835-BLK1	ECD5-10262007.D	10/22/20 11:08	
LCS	0100835-BS1	ECD5-10262008.D	10/22/20 11:08	
USMPDI-002SG-201012 (Dup)	0100835-DUP1	ECD5-10262021.D	10/22/20 11:08	
USMPDI-025SG-201012 (MS)	0100835-MS1	ECD8-10272024.D	10/22/20 11:08	
USMPDI-002SG-201012	A0J0472-02RE1	ECD5-10262020.D	10/22/20 11:08	
USMPDI-004SG-201012	A0J0472-03RE1	ECD8-10272020.D	10/22/20 11:08	
USMPDI-007SG-201012	A0J0472-04RE1	ECD8-10272021.D	10/22/20 11:08	
USMPDI-009SG-201012	A0J0472-05RE1	ECD8-10272022.D	10/22/20 11:08	
USMPDI-025SG-201012	A0J0472-06RE1	ECD8-10272023.D	10/22/20 11:08	

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: A0J0472
Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4
Matrix: Water Laboratory ID: 0100638-BLK1 File ID: ECD8-10212009.D
Prepared: 10/19/20 15:24 Preparation: EPA 3510C (Neutral pH) Initial/Final: 1100 mL / 5 mL
Analyzed: 10/21/20 13:45 Instrument: DUALECD8
Batch: 0100638 Sequence: 0J21047 Calibration: A0J2107

CAS NO.	COMPOUND	CONC. (ug/L)	Q
53-19-0	2,4'-DDD [2C]	0.00455	U
3424-82-6	2,4'-DDE [2C]	0.00455	U
789-02-6	2,4'-DDT [2C]	0.00455	U
72-54-8	4,4'-DDD [2C]	0.00455	U
72-55-9	4,4'-DDE [2C]	0.00455	U
50-29-3	4,4'-DDT [2C]	0.00455	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.455	0.193	43	25 - 140	
Decachlorobiphenyl (Surr) [2C]	0.455	0.317	70	30 - 135	

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0100835-BLK1</u>	File ID: <u>ECD5-10262007.D</u>
Prepared: <u>10/22/20 11:08</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11 g / 10 mL</u>
Analyzed: <u>10/26/20 13:19</u>	Instrument: <u>DUALECD5</u>	
Batch: <u>0100835</u>	Sequence: <u>0J26062</u>	Calibration: <u>A0J1506</u>

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
53-19-0	2,4'-DDD	0.909	U
3424-82-6	2,4'-DDE	0.909	U
789-02-6	2,4'-DDT	0.909	U
72-54-8	4,4'-DDD	0.909	U
72-55-9	4,4'-DDE	0.909	U
50-29-3	4,4'-DDT [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)	45.5	26.8	59	42 - 129	
Decachlorobiphenyl (Surr)	45.5	39.3	86	55 - 130	

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 0100638

Laboratory ID: 0100638-BS1

Preparation: EPA 3510C (Neutral pH)

Initial/Final: 1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
4,4'-DDD [2C]	0.500	0.419	84	56 - 143
4,4'-DDE [2C]	0.500	0.393	79	57 - 135
4,4'-DDT [2C]	0.500	0.402	80	51 - 143

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 0100638

Laboratory ID: 0100638-bsd1

Preparation: EPA 3510C (Neutral pH)

Initial/Final: 1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
4,4'-DDD [2C]	0.500	0.428	86	2	30	56 - 143
4,4'-DDE [2C]	0.500	0.398	80	1	30	57 - 135
4,4'-DDT [2C]	0.500	0.423	85	5	30	51 - 143

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 0100638

Laboratory ID: 0100638-BS2

Preparation: EPA 3510C (Neutral pH)

Initial/Final: 1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	0.500	0.449	90	67 - 142
2,4'-DDE [2C]	0.500	0.441	88	63 - 135
2,4'-DDT [2C]	0.500	0.469	94	76 - 156

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 0100638

Laboratory ID: 0100638-BSD2

Preparation: EPA 3510C (Neutral pH)

Initial/Final: 1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
2,4'-DDD [2C]	0.500	0.449	90	0.04	30	67 - 142
2,4'-DDE [2C]	0.500	0.437	87	1	30	63 - 135
2,4'-DDT [2C]	0.500	0.467	93	0.3	30	76 - 156

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Sediment

Batch: 0100835

Laboratory ID: 0100835-BS1

Preparation: EPA 3546

Initial/Final: 10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
2,4'-DDD	50.0	45.7	91	58 - 128
2,4'-DDE	50.0	42.3	85	49 - 125
2,4'-DDT	50.0	43.2	86	66 - 145
4,4'-DDD	50.0	39.2	78	56 - 139
4,4'-DDE	50.0	40.1	80	56 - 134
4,4'-DDT [2C]	50.0	51.2	102	50 - 141

* = Values outside of QC limits

DUPLICATES

USMPDI-002SG-201012

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Sediment

Laboratory ID: 0100835-DUP1

Batch: 0100835

Lab Source ID: A0J0472-02RE1

Preparation: EPA 3546

Initial/Final: 10.67 g / 10 mL

Source Sample Name: USMPDI-002SG-201012

% Solids: 62.53

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
2,4'-DDD	30	2.31		ND				EPA 8081B
2,4'-DDE	30	1.24		ND				EPA 8081B
2,4'-DDT	30	0.359		ND				EPA 8081B
4,4'-DDD [2C]	30	5.96		ND				EPA 8081B
4,4'-DDE	30	2.28		ND				EPA 8081B
4,4'-DDT [2C]	30	2.25		ND				EPA 8081B

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USMPDI-025SG-201012

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Sediment

Batch: 0100835

Laboratory ID: 0100835-MS1

Preparation: EPA 3546

Initial/Final: 5.2 g / 10 mL

Source Sample Name: USMPDI-025SG-201012

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD	208	ND	245	118	58 - 128
2,4'-DDE	208	ND	229	110	49 - 125
2,4'-DDT [2C]	208	ND	202	97	66 - 145
4,4'-DDD [2C]	208	ND	228	110	56 - 139
4,4'-DDE	208	ND	243	117	56 - 134
4,4'-DDT	208	15.4	199	88	50 - 141

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J14056

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0J1506

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0J14056-ICB1	ECD5-10142010.D	10/14/20 15:30
Cal Standard	0J14056-CAL1	ECD5-10142011.D	10/14/20 15:47
Cal Standard	0J14056-CAL2	ECD5-10142012.D	10/14/20 16:04
Cal Standard	0J14056-CAL3	ECD5-10142013.D	10/14/20 16:21
Cal Standard	0J14056-CAL4	ECD5-10142014.D	10/14/20 16:38
Cal Standard	0J14056-CAL6	ECD5-10142016.D	10/14/20 17:13
Cal Standard	0J14056-CAL7	ECD5-10142017.D	10/14/20 17:30
Cal Standard	0J14056-CAL8	ECD5-10142018.D	10/14/20 17:47
Cal Standard	0J14056-CAL9	ECD5-10142019.D	10/14/20 18:04
Initial Cal Check	0J14056-ICV1	ECD5-10142021.D	10/14/20 18:39
Cal Standard	0J14056-CALA	ECD5-10142022.D	10/14/20 18:56
Cal Standard	0J14056-CALB	ECD5-10142023.D	10/14/20 19:13
Cal Standard	0J14056-CALC	ECD5-10142024.D	10/14/20 19:30
Cal Standard	0J14056-CALD	ECD5-10142025.D	10/14/20 19:47
Cal Standard	0J14056-CALE	ECD5-10142026.D	10/14/20 20:04
Cal Standard	0J14056-CALF	ECD5-10142027.D	10/14/20 20:22
Cal Standard	0J14056-CALG	ECD5-10142028.D	10/14/20 20:39
Cal Standard	0J14056-CALH	ECD5-10142029.D	10/14/20 20:56
Cal Standard	0J14056-CALI	ECD5-10142030.D	10/14/20 21:13
Initial Cal Check	0J14056-ICV2	ECD5-10142032.D	10/14/20 21:47

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J15061

Instrument: DUALECD8

Matrix: Water

Calibration: A0J2107

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0J15061-ICB1	ECD8-10152005.D	10/15/20 18:15
Cal Standard	0J15061-CAL1	ECD8-10152006.D	10/15/20 18:32
Cal Standard	0J15061-CAL2	ECD8-10152007.D	10/15/20 18:48
Cal Standard	0J15061-CAL3	ECD8-10152008.D	10/15/20 19:05
Cal Standard	0J15061-CAL4	ECD8-10152009.D	10/15/20 19:21
Cal Standard	0J15061-CAL5	ECD8-10152010.D	10/15/20 19:38
Cal Standard	0J15061-CAL6	ECD8-10152011.D	10/15/20 19:54
Cal Standard	0J15061-CAL7	ECD8-10152012.D	10/15/20 20:11
Cal Standard	0J15061-CAL8	ECD8-10152013.D	10/15/20 20:27
Cal Standard	0J15061-CAL9	ECD8-10152014.D	10/15/20 20:44
Initial Cal Check	0J15061-ICV1	ECD8-10152016.D	10/15/20 21:17
Cal Standard	0J15061-CALA	ECD8-10152017.D	10/15/20 21:33
Cal Standard	0J15061-CALB	ECD8-10152018.D	10/15/20 21:50
Cal Standard	0J15061-CALC	ECD8-10152019.D	10/15/20 22:06
Cal Standard	0J15061-CALD	ECD8-10152020.D	10/15/20 22:23
Cal Standard	0J15061-CALE	ECD8-10152021.D	10/15/20 22:39
Cal Standard	0J15061-CALF	ECD8-10152022.D	10/15/20 22:56
Cal Standard	0J15061-CALG	ECD8-10152023.D	10/15/20 23:12
Cal Standard	0J15061-CALH	ECD8-10152024.D	10/15/20 23:29
Cal Standard	0J15061-CALI	ECD8-10152025.D	10/15/20 23:46
Initial Cal Check	0J15061-ICV2	ECD8-10152027.D	10/16/20 00:19

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J21047

Instrument: DUALECD8

Matrix: Water

Calibration: A0J2107

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J21047-CCV1	ECD8-10212006.D	10/21/20 12:55
Calibration Check	0J21047-CCV2	ECD8-10212007.D	10/21/20 13:11
Calibration Blank	0J21047-CCB1	ECD8-10212008.D	10/21/20 13:28
Blank	0100638-BLK1	ECD8-10212009.D	10/21/20 13:45
LCS	0100638-BS1	ECD8-10212010.D	10/21/20 14:01
LCS Dup	0100638-BSD1	ECD8-10212011.D	10/21/20 14:18
LCS	0100638-BS2	ECD8-10212012.D	10/21/20 14:34
LCS Dup	0100638-BSD2	ECD8-10212013.D	10/21/20 14:51
Calibration Check	0J21047-CCV3	ECD8-10212016.D	10/21/20 15:41
Calibration Check	0J21047-CCV4	ECD8-10212017.D	10/21/20 15:57
Calibration Blank	0J21047-CCB2	ECD8-10212018.D	10/21/20 16:14
SG-RB-2010121630	A0J0472-01	ECD8-10212019.D	10/21/20 16:39
Calibration Check	0J21047-CCV5	ECD8-10212023.D	10/21/20 17:45
Calibration Check	0J21047-CCV6	ECD8-10212024.D	10/21/20 18:02
Calibration Blank	0J21047-CCB3	ECD8-10212025.D	10/21/20 18:18

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: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J26062

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0J1506

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J26062-CCV1	ECD5-10262004.D	10/26/20 12:27
Calibration Check	0J26062-CCV2	ECD5-10262005.D	10/26/20 12:45
Calibration Blank	0J26062-CCB1	ECD5-10262006.D	10/26/20 13:02
Blank	0100835-BLK1	ECD5-10262007.D	10/26/20 13:19
LCS	0100835-BS1	ECD5-10262008.D	10/26/20 13:36
Calibration Check	0J26062-CCV3	ECD5-10262015.D	10/26/20 15:36
Calibration Check	0J26062-CCV4	ECD5-10262016.D	10/26/20 15:54
Calibration Blank	0J26062-CCB2	ECD5-10262017.D	10/26/20 16:11
USMPDI-002SG-201012	A0J0472-02RE1	ECD5-10262020.D	10/26/20 17:06
USMPDI-002SG-201012 (Dup)	0100835-DUP1	ECD5-10262021.D	10/26/20 17:23
Calibration Check	0J26062-CCV5	ECD5-10262027.D	10/26/20 19:10
Calibration Check	0J26062-CCV6	ECD5-10262028.D	10/26/20 19:28
Calibration Blank	0J26062-CCB3	ECD5-10262029.D	10/26/20 19:45

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J27055

Instrument: DUALECD8

Matrix: Sediment

Calibration: A0J2107

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J27055-CCV1	ECD8-10272004.D	10/27/20 12:13
Calibration Check	0J27055-CCV2	ECD8-10272005.D	10/27/20 12:29
Calibration Blank	0J27055-CCB1	ECD8-10272006.D	10/27/20 12:46
Calibration Check	0J27055-CCV3	ECD8-10272017.D	10/27/20 15:48
Calibration Check	0J27055-CCV4	ECD8-10272018.D	10/27/20 16:05
Calibration Blank	0J27055-CCB2	ECD8-10272019.D	10/27/20 16:21
USMPDI-004SG-201012	A0J0472-03RE1	ECD8-10272020.D	10/27/20 16:38
USMPDI-007SG-201012	A0J0472-04RE1	ECD8-10272021.D	10/27/20 16:54
USMPDI-009SG-201012	A0J0472-05RE1	ECD8-10272022.D	10/27/20 17:14
USMPDI-025SG-201012	A0J0472-06RE1	ECD8-10272023.D	10/27/20 17:31
USMPDI-025SG-201012 (MS)	0100835-MS1	ECD8-10272024.D	10/27/20 17:48
Calibration Check	0J27055-CCV5	ECD8-10272034.D	10/27/20 20:48
Calibration Check	0J27055-CCV6	ECD8-10272035.D	10/27/20 21:05
Calibration Blank	0J27055-CCB3	ECD8-10272036.D	10/27/20 21:21

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.

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J1506

Date: 10/15/20 14:51

Instrument: DUALECD5

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD	152505.6	XXX	14.76157	7.908444	1.603716E-02				
2,4'-DDE	169341.7	XXX	14.31656	7.530556	1.335268E-02				
2,4'-DDT	153106.6	XXX	14.61216	8.090111	6.263801E-03				
2,4'-DDT [2C]	160911.9	XXX	14.11601	8.572	2.091452E-02				
4,4'-DDD [2C]	233538.8	Ave	7.643227	8.615375	1.476731E-02			20	
4,4'-DDE	259842.1	Ave	4.379257	7.780125	1.399028E-02			20	
4,4'-DDT	199509.6	Ave	6.627697	8.40575	4.045662E-03			20	
2,4,5,6-TCMX (Surr)	242657.7	Ave	7.67716	5.58575	6.817488E-03			20	
2,4,5,6-TCMX (Surr) [2C]	309739.3	Ave	5.177799	5.872125	1.581447E-02			20	
Decachlorobiphenyl (Surr)	183738	XXX	18.33782	9.805625	8.325283E-03				
Decachlorobiphenyl (Surr) [2C]	166921.2	XXX	10.97817	10.36737	1.669812E-02				

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J1506

Instrument: DUALECD5

Calibration Date: 10/15/20 14:51

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	246422	1	224880	2	222606	5	214324.4	25	204039.4	50	203944.4
4,4'-DDD [2C]	0.5	258790	1	227533	2	221348	5	215604	25	215827.9	50	228628.2
4,4'-DDE	0.5	284748	1	261532	2	260778	5	256284.4	25	249250.7	50	249681
4,4'-DDE [2C]	0.5	297598	1	276372	2	279042	5	271727.6	25	277957.5	50	293155.6
4,4'-DDT	0.5	227728	1	203498	2	200327	5	191463.8	25	183748.8	50	190942.6
4,4'-DDT [2C]	0.5	196170	1	176159	2	178605.5	5	172900.4	25	175048	50	191025.2
2,4,5,6-TCMX (Surr)	0.5	281058	1	253886	2	248598.5	5	241017.2	25	224237.4	50	227050.6
2,4,5,6-TCMX (Surr) [2C]	0.5	340638	1	311085	2	307220	5	294993.4	25	290239.8	50	301342
Decachlorobiphenyl (Surr)	0.5	254484	1	210456	2	187682	5	172951.8	25	156624.5	50	159460.9
Decachlorobiphenyl (Surr) [2C]	0.5	204270	1	180596	2	165202.5	5	154570.2	25	151569.5	50	150682.8

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J1506

Instrument: DUALECD5

Matrix:

Calibration Date: 10/15/20 14:51

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	195852	1	185364	2	155333.5	5	141495.8
2,4'-DDD [2C]					0.5	217624	1	202997	2	164344	5	147544.2
2,4'-DDE					0.5	219634	1	197885	2	175570	5	157152.8
2,4'-DDE [2C]					0.5	222034	1	219431	2	189004.5	5	179078.4
2,4'-DDT					0.5	195092	1	185344	2	155563	5	136763
2,4'-DDT [2C]					0.5	200362	1	188319	2	152317	5	138610
4,4'-DDD	100	212754.7	200	218548.1								
4,4'-DDD [2C]	100	240609.5	200	259969.5								
4,4'-DDE	100	253277.1	200	263185.4								
4,4'-DDE [2C]	100	313086.3	200	324414.8								
4,4'-DDT	100	195697.4	200	202671.4								
4,4'-DDT [2C]	100	208094.2	200	225434.6								
2,4,5,6-TCMX (Surr)	100	230497.4	200	234916.2								
2,4,5,6-TCMX (Surr) [2C]	100	309643.1	200	322753.4								
Decachlorobiphenyl (Surr)	100	163125.4	200	165119.7								
Decachlorobiphenyl (Surr) [2C]	100	157188.4	200	171290.5								

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J1506

Instrument: DUALECD5

Matrix:

Calibration Date: 10/15/20 14:51

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD	10	140486.4	25	139288.9	50	134331.9	100	137528.2	200	142869.5		
2,4'-DDD [2C]	10	149956.4	25	156780.2	50	150915.8	100	164388	200	176111.8		
2,4'-DDE	10	162438.6	25	154829.2	50	148157.4	100	152558	200	155850.7		
2,4'-DDE [2C]	10	179389.4	25	182003	50	180418.8	100	188435.6	200	206141.4		
2,4'-DDT	10	141957.7	25	144885	50	130355.2	100	138824.9	200	149174.8		
2,4'-DDT [2C]	10	143969	25	151321.3	50	141558.8	100	150942.5	200	180807.8		

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J2107

Date: 10/21/20 12:29

Instrument: DUALECD8

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD	1921377	Ave	9.626247	8.001889	3.406474E-02			20	
2,4'-DDE	2126918	Ave	7.999272	7.623	3.690063E-02			20	
2,4'-DDT	2145969	Ave	9.33146	8.181667	0.0248323			20	
2,4'-DDT [2C]	2372054	XXX	12.62514	8.689778	0.0071125				
4,4'-DDD [2C]	3114105	XXX	13.37351	8.733556	2.484861E-02				
4,4'-DDE	3151100	Ave	10.12842	7.874444	4.348044E-02			20	
4,4'-DDT	2669241	XXX	14.07186	8.499222	1.960454E-02				
2,4,5,6-TCMX (Surr)	3536407	Ave	4.887773	5.682556	4.221979E-03			20	
2,4,5,6-TCMX (Surr) [2C]	4000851	Ave	6.026316	5.989889	1.267914E-02			20	
Decachlorobiphenyl (Surr)	2770260	XXX	15.57952	9.902556	5.397021E-03				
Decachlorobiphenyl (Surr) [2C]	2419306	Ave	8.467837	10.50489	4.088253E-03			20	

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J2107

Instrument: DUALECD8

Calibration Date: 10/21/20 12:29

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	2676466	1	2561702	2	2554366	5	2463434	10	2560811	25	2715372
4,4'-DDD [2C]	0.5	2920602	1	2804997	2	2726823	5	2746150	10	2943807	25	3074127
4,4'-DDE	0.5	2977348	1	2806594	2	2916029	5	2870674	10	3025077	25	3167186
4,4'-DDE [2C]	0.5	3177518	1	3083622	2	3233695	5	3173250	10	3369230	25	3700062
4,4'-DDT	0.5	2405018	1	2340699	2	2388133	5	2338044	10	2509615	25	2748200
4,4'-DDT [2C]	0.5	2455666	1	2447680	2	2432603	5	2550826	10	2696225	25	3041346
2,4,5,6-TCMX (Surr)	0.5	3928930	1	3675375	2	3487494	5	3391336	10	3378580	25	3464495
2,4,5,6-TCMX (Surr) [2C]	0.5	4189348	1	3996914	2	3763994	5	3696812	10	3769119	25	3900728
Decachlorobiphenyl (Surr)	0.5	3732602	1	3197716	2	2850842	5	2572640	10	2566336	25	2492739
Decachlorobiphenyl (Surr) [2C]	0.5	2821606	1	2586506	2	2395772	5	2256766	10	2221992	25	2250438

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J2107

Instrument: DUALECD8

Matrix:

Calibration Date: 10/21/20 12:29

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	2250420	1	2191428	2	1841175
2,4'-DDD [2C]							0.5	2638212	1	2545735	2	2064664
2,4'-DDE							0.5	2403006	1	2330761	2	1950579
2,4'-DDE [2C]							0.5	2609542	1	2507932	2	2192344
2,4'-DDT							0.5	2443218	1	2264292	2	1871040
2,4'-DDT [2C]							0.5	2710858	1	2394823	2	1994345
4,4'-DDD	50	2681748	100	3139188	200	3123894						
4,4'-DDD [2C]	50	3264048	100	3619428	200	3926966						
4,4'-DDE	50	3302522	100	3627906	200	3666564						
4,4'-DDE [2C]	50	3914178	100	4401254	200	4661297						
4,4'-DDT	50	2757558	100	3214173	200	3321730						
4,4'-DDT [2C]	50	3168274	100	3736752	200	4032396						
2,4,5,6-TCMX (Surr)	50	3426378	100	3539420	200	3535657						
2,4,5,6-TCMX (Surr) [2C]	50	4046088	100	4257161	200	4387498						
Decachlorobiphenyl (Surr)	50	2431280	100	2543656	200	2544531						
Decachlorobiphenyl (Surr) [2C]	50	2248670	100	2423042	200	2568961						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J2107

Instrument: DUALECD8

Matrix:

Calibration Date: 10/21/20 12:29

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	1750274	10	1764873	25	1863625	50	1780154	100	1858274	200	1992166
2,4'-DDD [2C]	5	1987760	10	2043638	25	2135228	50	2155648	100	2226407	200	2488622
2,4'-DDE	5	1915228	10	2016633	25	2088811	50	2067330	100	2101327	200	2268587
2,4'-DDE [2C]	5	2163242	10	2214220	25	2396393	50	2355954	100	2561226	200	2838812
2,4'-DDT	5	1917403	10	1970236	25	2099731	50	2163314	100	2207085	200	2377399
2,4'-DDT [2C]	5	2023114	10	2090847	25	2320531	50	2406058	100	2572524	200	2835386

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Instrument ID: <u>DUALECD5</u>	Calibration: <u>A0J1506</u>
Lab File ID: <u>ECD5-10142021.D</u>	
Sequence: <u>0J14056</u>	Inject Date: <u>10/14/20</u>
Lab Sample ID: <u>0J14056-ICV1</u>	Inject Time: <u>18:39</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	47.5	-5.0	70 - 130
4,4'-DDD [2C]	50.0	49.3	-1.4	70 - 130
4,4'-DDE	50.0	47.6	-4.7	70 - 130
4,4'-DDE [2C]	50.0	50.5	0.9	70 - 130
4,4'-DDT	50.0	46.7	-6.7	70 - 130
4,4'-DDT [2C]	50.0	50.6	1.2	70 - 130
2,4,5,6-TCMX (Surr)	50.0	46.7	-6.5	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	47.6	-4.9	70 - 130
Decachlorobiphenyl (Surr)	50.0	48.5	-2.9	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	49.0	-2.1	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories SDG: A0J0472
Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4
Instrument ID: DUALECD5 Calibration: A0J1506
Lab File ID: ECD5-10142032.D
Sequence: 0J14056 Inject Date: 10/14/20
Lab Sample ID: 0J14056-ICV2 Inject Time: 21:47

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	48.3	-3.4	70 - 130
2,4'-DDD [2C]	50.0	49.4	-1.3	70 - 130
2,4'-DDE	50.0	48.7	-2.7	70 - 130
2,4'-DDE [2C]	50.0	45.7	-8.5	70 - 130
2,4'-DDT	50.0	49.0	-2.0	70 - 130
2,4'-DDT [2C]	50.0	49.5	-0.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A0J2107</u>
Lab File ID: <u>ECD8-10152016.D</u>	
Sequence: <u>0J15061</u>	Inject Date: <u>10/15/20</u>
Lab Sample ID: <u>0J15061-ICV1</u>	Inject Time: <u>21:17</u>

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	51.8	3.6	70 - 130
4,4'-DDE	50.0	51.4	2.7	70 - 130
4,4'-DDE [2C]	50.0	50.9	1.7	70 - 130
4,4'-DDT	50.0	51.6	3.3	70 - 130
4,4'-DDT [2C]	50.0	51.9	3.8	70 - 130
2,4,5,6-TCMX (Surr)	50.0	46.6	-6.7	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	48.9	-2.2	70 - 130
Decachlorobiphenyl (Surr)	50.0	47.7	-4.7	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	46.5	-7.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories SDG: A0J0472
Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4
Instrument ID: DUALECD8 Calibration: A0J2107
Lab File ID: ECD8-10152027.D
Sequence: 0J15061 Inject Date: 10/16/20
Lab Sample ID: 0J15061-ICV2 Inject Time: 00:19

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	46.0	-8.0	70 - 130
2,4'-DDD [2C]	50.0	50.4	0.9	70 - 130
2,4'-DDE	50.0	48.3	-3.4	70 - 130
2,4'-DDE [2C]	50.0	50.6	1.2	70 - 130
2,4'-DDT	50.0	51.9	3.9	70 - 130
2,4'-DDT [2C]	50.0	54.6	9.3	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10212006.D

Calibration Date: 10/21/20 12:29

Sequence: 0J21047

Injection Date: 10/21/20

Lab Sample ID: 0J21047-CCV1

Injection Time: 12:55

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	53.3		2719664	2898120	6.6	20
4,4'-DDD [2C]	XXX	50.0	52.3	4.7				20
4,4'-DDE	Ave	50.0	55.1		3151100	3473016	10.2	20
4,4'-DDE [2C]	XXX	50.0	53.8	7.7				20
4,4'-DDT	XXX	50.0	55.5	11.0				20
4,4'-DDT [2C]	XXX	50.0	53.0	6.1				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10212007.D

Calibration Date: 10/21/20 12:29

Sequence: 0J21047

Injection Date: 10/21/20

Lab Sample ID: 0J21047-CCV2

Injection Time: 13:11

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	47.1		1921377	1810712	-5.8	20
2,4'-DDD [2C]	XXX	50.0	49.4	-1.1				20
2,4'-DDE	Ave	50.0	50.0		2126918	2129112	0.1	20
2,4'-DDE [2C]	Ave	50.0	49.7		2426629	2414238	-0.5	20
2,4'-DDT	Ave	50.0	50.3		2145969	2159752	0.6	20
2,4'-DDT [2C]	XXX	50.0	53.0	6.1				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10212016.D

Calibration Date: 10/21/20 12:29

Sequence: 0J21047

Injection Date: 10/21/20

Lab Sample ID: 0J21047-CCV3

Injection Time: 15:41

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	112		2719664	3047619	12.1	20
4,4'-DDD [2C]	XXX	100	103	3.1				20
4,4'-DDE	Ave	100	116		3151100	3657378	16.1	20
4,4'-DDE [2C]	XXX	100	101	1.3				20
4,4'-DDT	XXX	100	102	2.0				20
4,4'-DDT [2C]	XXX	100	101	1.0				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: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10212017.D

Calibration Date: 10/21/20 12:29

Sequence: 0J21047

Injection Date: 10/21/20

Lab Sample ID: 0J21047-CCV4

Injection Time: 15:57

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	99.3		1921377	1907883	-0.7	20
2,4'-DDD [2C]	XXX	100	102	1.8				20
2,4'-DDE	Ave	100	103		2126918	2184451	2.7	20
2,4'-DDE [2C]	Ave	100	106		2426629	2579302	6.3	20
2,4'-DDT	Ave	100	102		2145969	2181852	1.7	20
2,4'-DDT [2C]	XXX	100	103	2.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10212023.D

Calibration Date: 10/21/20 12:29

Sequence: 0J21047

Injection Date: 10/21/20

Lab Sample ID: 0J21047-CCV5

Injection Time: 17:45

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	54.6		2719664	2970386	9.2	20
4,4'-DDD [2C]	XXX	50.0	53.1	6.2				20
4,4'-DDE	Ave	50.0	56.2		3151100	3542414	12.4	20
4,4'-DDE [2C]	XXX	50.0	53.8	7.6				20
4,4'-DDT	XXX	50.0	49.2	-1.5				20
4,4'-DDT [2C]	XXX	50.0	49.2	-1.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10212024.D

Calibration Date: 10/21/20 12:29

Sequence: 0J21047

Injection Date: 10/21/20

Lab Sample ID: 0J21047-CCV6

Injection Time: 18:02

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	48.7		1921377	1872750	-2.5	20
2,4'-DDD [2C]	XXX	50.0	52.3	4.6				20
2,4'-DDE	Ave	50.0	50.0		2126918	2124984	-0.09	20
2,4'-DDE [2C]	Ave	50.0	50.0		2426629	2424686	-0.08	20
2,4'-DDT	Ave	50.0	44.1		2145969	1894093	-11.7	20
2,4'-DDT [2C]	XXX	50.0	47.8	-4.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD5

Calibration: A0J1506

Lab File ID: ECD5-10262004.D

Calibration Date: 10/15/20 14:51

Sequence: 0J26062

Injection Date: 10/26/20

Lab Sample ID: 0J26062-CCV1

Injection Time: 12:27

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	46.0		218439.9	200953	-8.0	20
4,4'-DDD [2C]	Ave	50.0	55.8		233538.8	260549.8	11.6	20
4,4'-DDE	Ave	50.0	45.3		259842.1	235638.8	-9.3	20
4,4'-DDE [2C]	Ave	50.0	54.6		291669.2	318389.6	9.2	20
4,4'-DDT	Ave	50.0	39.5		199509.6	157478.9	-21.1*	20
4,4'-DDT [2C]	Ave	50.0	50.7		190429.6	192946.4	1.3	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: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD5

Calibration: A0J1506

Lab File ID: ECD5-10262005.D

Calibration Date: 10/15/20 14:51

Sequence: 0J26062

Injection Date: 10/26/20

Lab Sample ID: 0J26062-CCV2

Injection Time: 12:45

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	47.2	-5.7				20
2,4'-DDD [2C]	XXX	50.0	53.6	7.3				20
2,4'-DDE	XXX	50.0	46.8	-6.4				20
2,4'-DDE [2C]	Ave	50.0	49.5		193992.9	192078.5	-1.0	20
2,4'-DDT	XXX	50.0	43.7	-12.5				20
2,4'-DDT [2C]	XXX	50.0	51.2	2.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD5

Calibration: A0J1506

Lab File ID: ECD5-10262015.D

Calibration Date: 10/15/20 14:51

Sequence: 0J26062

Injection Date: 10/26/20

Lab Sample ID: 0J26062-CCV3

Injection Time: 15:36

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	96.0		218439.9	209806.3	-4.0	20
4,4'-DDD [2C]	Ave	100	126		233538.8	295237.9	26.4*	20
4,4'-DDE	Ave	100	96.1		259842.1	249612.1	-3.9	20
4,4'-DDE [2C]	Ave	100	121		291669.2	352755.4	20.9*	20
4,4'-DDT	Ave	100	86.2		199509.6	172073.3	-13.8	20
4,4'-DDT [2C]	Ave	100	116		190429.6	220316.8	15.7	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD5

Calibration: A0J1506

Lab File ID: ECD5-10262016.D

Calibration Date: 10/15/20 14:51

Sequence: 0J26062

Injection Date: 10/26/20

Lab Sample ID: 0J26062-CCV4

Injection Time: 15:54

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	93.7	-6.3				20
2,4'-DDD [2C]	XXX	100	110	9.8				20
2,4'-DDE	XXX	100	94.5	-5.5				20
2,4'-DDE [2C]	Ave	100	105		193992.9	203075	4.7	20
2,4'-DDT	XXX	100	80.7	-19.3				20
2,4'-DDT [2C]	XXX	100	96.0	-4.0				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD5

Calibration: A0J1506

Lab File ID: ECD5-10262027.D

Calibration Date: 10/15/20 14:51

Sequence: 0J26062

Injection Date: 10/26/20

Lab Sample ID: 0J26062-CCV5

Injection Time: 19:10

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	45.1		218439.9	197101.5	-9.8	20
4,4'-DDD [2C]	Ave	50.0	55.7		233538.8	260185.2	11.4	20
4,4'-DDE	Ave	50.0	43.7		259842.1	226912	-12.7	20
4,4'-DDE [2C]	Ave	50.0	53.4		291669.2	311482.4	6.8	20
4,4'-DDT	Ave	50.0	35.1		199509.6	139946.9	-29.9*	20
4,4'-DDT [2C]	Ave	50.0	45.0		190429.6	171203.9	-10.1	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: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD5

Calibration: A0J1506

Lab File ID: ECD5-10262028.D

Calibration Date: 10/15/20 14:51

Sequence: 0J26062

Injection Date: 10/26/20

Lab Sample ID: 0J26062-CCV6

Injection Time: 19:28

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	47.8	-4.3				20
2,4'-DDD [2C]	XXX	50.0	55.5	10.9				20
2,4'-DDE	XXX	50.0	47.4	-5.2				20
2,4'-DDE [2C]	Ave	50.0	49.6		193992.9	192561.6	-0.7	20
2,4'-DDT	XXX	50.0	41.9	-16.3				20
2,4'-DDT [2C]	XXX	50.0	48.6	-2.8				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10272004.D

Calibration Date: 10/21/20 12:29

Sequence: 0J27055

Injection Date: 10/27/20

Lab Sample ID: 0J27055-CCV1

Injection Time: 12:13

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	51.4		2719664	2797322	2.9	20
4,4'-DDD [2C]	XXX	50.0	52.5	5.1				20
4,4'-DDE	Ave	50.0	51.0		3151100	3216730	2.1	20
4,4'-DDE [2C]	XXX	50.0	52.0	4.0				20
4,4'-DDT	XXX	50.0	48.1	-3.9				20
4,4'-DDT [2C]	XXX	50.0	48.6	-2.8				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10272005.D

Calibration Date: 10/21/20 12:29

Sequence: 0J27055

Injection Date: 10/27/20

Lab Sample ID: 0J27055-CCV2

Injection Time: 12:29

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	46.8		1921377	1798612	-6.4	20
2,4'-DDD [2C]	XXX	50.0	50.8	1.6				20
2,4'-DDE	Ave	50.0	46.6		2126918	1983894	-6.7	20
2,4'-DDE [2C]	Ave	50.0	50.0		2426629	2427250	0.03	20
2,4'-DDT	Ave	50.0	46.9		2145969	2013536	-6.2	20
2,4'-DDT [2C]	XXX	50.0	50.9	1.8				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: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10272017.D

Calibration Date: 10/21/20 12:29

Sequence: 0J27055

Injection Date: 10/27/20

Lab Sample ID: 0J27055-CCV3

Injection Time: 15:48

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	116		2719664	3157645	16.1	20
4,4'-DDD [2C]	XXX	100	109	8.6				20
4,4'-DDE	Ave	100	113		3151100	3563176	13.1	20
4,4'-DDE [2C]	XXX	100	105	5.3				20
4,4'-DDT	XXX	100	102	2.5				20
4,4'-DDT [2C]	XXX	100	104	3.9				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: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10272018.D

Calibration Date: 10/21/20 12:29

Sequence: 0J27055

Injection Date: 10/27/20

Lab Sample ID: 0J27055-CCV4

Injection Time: 16:05

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	97.2		1921377	1867451	-2.8	20
2,4'-DDD [2C]	XXX	100	101	0.7				20
2,4'-DDE	Ave	100	95.0		2126918	2020599	-5.0	20
2,4'-DDE [2C]	Ave	100	103		2426629	2494288	2.8	20
2,4'-DDT	Ave	100	93.5		2145969	2006135	-6.5	20
2,4'-DDT [2C]	XXX	100	98.0	-2.0				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10272034.D

Calibration Date: 10/21/20 12:29

Sequence: 0J27055

Injection Date: 10/27/20

Lab Sample ID: 0J27055-CCV5

Injection Time: 20:48

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	48.0		2719664	2609206	-4.1	20
4,4'-DDD [2C]	XXX	50.0	52.4	4.8				20
4,4'-DDE	Ave	50.0	47.5		3151100	2994416	-5.0	20
4,4'-DDE [2C]	XXX	50.0	49.9	-0.2				20
4,4'-DDT	XXX	50.0	40.9	-18.2				20
4,4'-DDT [2C]	XXX	50.0	45.2	-9.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A0J2107

Lab File ID: ECD8-10272035.D

Calibration Date: 10/21/20 12:29

Sequence: 0J27055

Injection Date: 10/27/20

Lab Sample ID: 0J27055-CCV6

Injection Time: 21:05

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	44.2		1921377	1699990	-11.5	20
2,4'-DDD [2C]	XXX	50.0	50.6	1.1				20
2,4'-DDE	Ave	50.0	42.5		2126918	1806593	-15.1	20
2,4'-DDE [2C]	Ave	50.0	46.6		2426629	2260260	-6.9	20
2,4'-DDT	Ave	50.0	42.8		2145969	1838160	-14.3	20
2,4'-DDT [2C]	XXX	50.0	48.1	-3.9				20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Sequence: <u>0J14056</u>	Instrument: <u>DUALECD5</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0J1506</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0J14056-ICV1)			Lab File ID: ECD5-10142021.D		Analyzed: 10/14/20 18:39			
2,4,5,6-TCMX (Surr)	50.0	93	70 - 130	5.585	5.58575	-0.0008	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	95	70 - 130	5.871	5.872125	-0.0011	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	97	70 - 130	9.805	9.805625	-0.0006	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	98	70 - 130	10.366	10.36737	-0.0014	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J15061

Instrument: DUALECD8

Matrix: Water

Calibration: A0J2107

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0J15061-ICV1)			Lab File ID: ECD8-10152016.D		Analyzed: 10/15/20 21:17			
2,4,5,6-TCMX (Surr)	50.0	93	70 - 130	5.683	5.682556	0.0004	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	98	70 - 130	5.99	5.989889	0.0001	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	95	70 - 130	9.905	9.902556	0.0024	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	93	70 - 130	10.507	10.50489	0.0021	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0J21047
 Matrix: Water

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: DUALECD8
 Calibration: A0J2107

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J21047-CCV1) Lab File ID: ECD8-10212006.D Analyzed: 10/21/20 12:55								
2,4,5,6-TCMX (Surr)	50.0	97	80 - 120	5.682	5.682556	-0.0006	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	101	80 - 120	5.987	5.989889	-0.0029	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	101	80 - 120	9.903	9.902556	0.0004	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	96	80 - 120	10.503	10.50489	-0.0019	+/-1.0	
Calibration Blank (0J21047-CCB1) Lab File ID: ECD8-10212008.D Analyzed: 10/21/20 13:28								
2,4,5,6-TCMX (Surr) [2C]	100	94	25 - 140	5.988	5.989889	-0.0019	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	89	30 - 135	10.504	10.50489	-0.0009	+/-1.0	
Blank (0100638-BLK1) Lab File ID: ECD8-10212009.D Analyzed: 10/21/20 13:45								
2,4,5,6-TCMX (Surr) [2C]	0.455	43	25 - 140	5.987	5.989889	-0.0029	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.455	70	30 - 135	10.504	10.50489	-0.0009	+/-1.0	
LCS (0100638-BS1) Lab File ID: ECD8-10212010.D Analyzed: 10/21/20 14:01								
2,4,5,6-TCMX (Surr) [2C]	0.500	50	25 - 140	5.987	5.989889	-0.0029	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	63	30 - 135	10.503	10.50489	-0.0019	+/-1.0	
LCS Dup (0100638-BSD1) Lab File ID: ECD8-10212011.D Analyzed: 10/21/20 14:18								
2,4,5,6-TCMX (Surr) [2C]	0.500	49	25 - 140	5.987	5.989889	-0.0029	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	66	30 - 135	10.503	10.50489	-0.0019	+/-1.0	
LCS (0100638-BS2) Lab File ID: ECD8-10212012.D Analyzed: 10/21/20 14:34								
2,4,5,6-TCMX (Surr) [2C]	0.500	64	25 - 140	5.987	5.989889	-0.0029	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	72	30 - 135	10.503	10.50489	-0.0019	+/-1.0	
LCS Dup (0100638-BSD2) Lab File ID: ECD8-10212013.D Analyzed: 10/21/20 14:51								
2,4,5,6-TCMX (Surr) [2C]	0.500	46	25 - 140	5.987	5.989889	-0.0029	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	66	30 - 135	10.503	10.50489	-0.0019	+/-1.0	
Calibration Check (0J21047-CCV3) Lab File ID: ECD8-10212016.D Analyzed: 10/21/20 15:41								
2,4,5,6-TCMX (Surr)	100	99	80 - 120	5.681	5.682556	-0.0016	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	104	80 - 120	5.987	5.989889	-0.0029	+/-1.0	
Decachlorobiphenyl (Surr)	100	99	80 - 120	9.9	9.902556	-0.0026	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	99	80 - 120	10.501	10.50489	-0.0039	+/-1.0	
Calibration Blank (0J21047-CCB2) Lab File ID: ECD8-10212018.D Analyzed: 10/21/20 16:14								
2,4,5,6-TCMX (Surr) [2C]	100	98	25 - 140	5.987	5.989889	-0.0029	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	92	30 - 135	10.501	10.50489	-0.0039	+/-1.0	
SG-RB-2010121630 (A0J0472-01) Lab File ID: ECD8-10212019.D Analyzed: 10/21/20 16:39								
2,4,5,6-TCMX (Surr) [2C]	0.476	63	25 - 140	5.986	5.989889	-0.0039	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.476	77	30 - 135	10.503	10.50489	-0.0019	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J21047

Instrument: DUALECD8

Matrix: Water

Calibration: A0J2107

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J21047-CCV5)			Lab File ID: ECD8-10212023.D		Analyzed: 10/21/20 17:45			
2,4,5,6-TCMX (Surr)	50.0	101	80 - 120	5.68	5.682556	-0.0026	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	102	80 - 120	5.986	5.989889	-0.0039	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	97	80 - 120	9.901	9.902556	-0.0016	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	93	80 - 120	10.501	10.50489	-0.0039	+/-1.0	
Calibration Blank (0J21047-CCB3)			Lab File ID: ECD8-10212025.D		Analyzed: 10/21/20 18:18			
2,4,5,6-TCMX (Surr) [2C]	100	95	25 - 140	5.986	5.989889	-0.0039	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	85	30 - 135	10.502	10.50489	-0.0029	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J26062

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0J1506

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J26062-CCV1) Lab File ID: ECD5-10262004.D Analyzed: 10/26/20 12:27								
2,4,5,6-TCMX (Surr)	50.0	95	80 - 120	5.513	5.58575	-0.0728	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	102	80 - 120	5.802	5.872125	-0.0701	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	99	80 - 120	9.736	9.805625	-0.0696	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	111	80 - 120	10.296	10.36737	-0.0714	+/-1.0	
Calibration Blank (0J26062-CCB1) Lab File ID: ECD5-10262006.D Analyzed: 10/26/20 13:02								
2,4,5,6-TCMX (Surr)	100	90	42 - 129	5.513	5.58575	-0.0728	+/-1.0	
Decachlorobiphenyl (Surr)	100	89	55 - 130	9.737	9.805625	-0.0686	+/-1.0	
Blank (0100835-BLK1) Lab File ID: ECD5-10262007.D Analyzed: 10/26/20 13:19								
2,4,5,6-TCMX (Surr)	45.5	59	42 - 129	5.51	5.58575	-0.0758	+/-1.0	
Decachlorobiphenyl (Surr)	45.5	86	55 - 130	9.732	9.805625	-0.0736	+/-1.0	
LCS (0100835-BS1) Lab File ID: ECD5-10262008.D Analyzed: 10/26/20 13:36								
2,4,5,6-TCMX (Surr)	50.0	65	42 - 129	5.51	5.58575	-0.0758	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	94	55 - 130	9.731	9.805625	-0.0746	+/-1.0	
Calibration Check (0J26062-CCV3) Lab File ID: ECD5-10262015.D Analyzed: 10/26/20 15:36								
2,4,5,6-TCMX (Surr)	100	97	80 - 120	5.51	5.58575	-0.0758	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	110	80 - 120	5.799	5.872125	-0.0731	+/-1.0	
Decachlorobiphenyl (Surr)	100	99	80 - 120	9.731	9.805625	-0.0746	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	115	80 - 120	10.291	10.36737	-0.0764	+/-1.0	
Calibration Blank (0J26062-CCB2) Lab File ID: ECD5-10262017.D Analyzed: 10/26/20 16:11								
2,4,5,6-TCMX (Surr)	100	90	42 - 129	5.51	5.58575	-0.0758	+/-1.0	
Decachlorobiphenyl (Surr)	100	95	55 - 130	9.732	9.805625	-0.0736	+/-1.0	
USMPDI-002SG-201012 (A0J0472-02RE1) Lab File ID: ECD5-10262020.D Analyzed: 10/26/20 17:06								
2,4,5,6-TCMX (Surr)	74.9	104	42 - 129	5.494	5.58575	-0.0918	+/-1.0	
Decachlorobiphenyl (Surr)	74.9	87	55 - 130	9.727	9.805625	-0.0786	+/-1.0	
Duplicate (0100835-DUP1) Lab File ID: ECD5-10262021.D Analyzed: 10/26/20 17:23								
2,4,5,6-TCMX (Surr)	74.9	101	42 - 129	5.494	5.58575	-0.0918	+/-1.0	
Decachlorobiphenyl (Surr)	74.9	106	55 - 130	9.728	9.805625	-0.0776	+/-1.0	
Calibration Check (0J26062-CCV5) Lab File ID: ECD5-10262027.D Analyzed: 10/26/20 19:10								
2,4,5,6-TCMX (Surr)	50.0	94	80 - 120	5.508	5.58575	-0.0778	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	102	80 - 120	5.796	5.872125	-0.0761	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	96	80 - 120	9.73	9.805625	-0.0756	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	114	80 - 120	10.289	10.36737	-0.0784	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Sequence: <u>0J26062</u>	Instrument: <u>DUALECD5</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0J1506</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Blank (0J26062-CCB3)			Lab File ID: ECD5-10262029.D		Analyzed: 10/26/20 19:45			
2,4,5,6-TCMX (Surr)	100	91	42 - 129	5.507	5.58575	-0.0788	+/-1.0	
Decachlorobiphenyl (Surr)	100	91	55 - 130	9.731	9.805625	-0.0746	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0J27055
 Matrix: Sediment

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: DUALECD8
 Calibration: A0J2107

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J27055-CCV1) Lab File ID: ECD8-10272004.D Analyzed: 10/27/20 12:13								
2,4,5,6-TCMX (Surr)	50.0	93	80 - 120	5.661	5.682556	-0.0216	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	98	80 - 120	5.964	5.989889	-0.0259	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	99	80 - 120	9.88	9.902556	-0.0226	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	99	80 - 120	10.473	10.50489	-0.0319	+/-1.0	
Calibration Blank (0J27055-CCB1) Lab File ID: ECD8-10272006.D Analyzed: 10/27/20 12:46								
2,4,5,6-TCMX (Surr) [2C]	100	93	25 - 140	5.964	5.989889	-0.0259	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	93	30 - 135	10.474	10.50489	-0.0309	+/-1.0	
Calibration Check (0J27055-CCV3) Lab File ID: ECD8-10272017.D Analyzed: 10/27/20 15:48								
2,4,5,6-TCMX (Surr)	100	98	80 - 120	5.66	5.682556	-0.0226	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	106	80 - 120	5.963	5.989889	-0.0269	+/-1.0	
Decachlorobiphenyl (Surr)	100	104	80 - 120	9.878	9.902556	-0.0246	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	107	80 - 120	10.472	10.50489	-0.0329	+/-1.0	
Calibration Blank (0J27055-CCB2) Lab File ID: ECD8-10272019.D Analyzed: 10/27/20 16:21								
2,4,5,6-TCMX (Surr) [2C]	100	92	25 - 140	5.963	5.989889	-0.0269	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	96	30 - 135	10.473	10.50489	-0.0319	+/-1.0	
USMPDI-004SG-201012 (A0J0472-03RE1) Lab File ID: ECD8-10272020.D Analyzed: 10/27/20 16:38								
2,4,5,6-TCMX (Surr) [2C]	102	92	42 - 129	5.962	5.989889	-0.0279	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	102	99	55 - 130	10.47	10.50489	-0.0349	+/-1.0	
USMPDI-007SG-201012 (A0J0472-04RE1) Lab File ID: ECD8-10272021.D Analyzed: 10/27/20 16:54								
2,4,5,6-TCMX (Surr) [2C]	114	79	42 - 129	5.962	5.989889	-0.0279	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	114	77	55 - 130	10.47	10.50489	-0.0349	+/-1.0	
USMPDI-009SG-201012 (A0J0472-05RE1) Lab File ID: ECD8-10272022.D Analyzed: 10/27/20 17:14								
2,4,5,6-TCMX (Surr) [2C]	90.7	79	42 - 129	5.962	5.989889	-0.0279	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	90.7	91	55 - 130	10.473	10.50489	-0.0319	+/-1.0	
USMPDI-025SG-201012 (A0J0472-06RE1) Lab File ID: ECD8-10272023.D Analyzed: 10/27/20 17:31								
2,4,5,6-TCMX (Surr) [2C]	103	98	42 - 129	5.962	5.989889	-0.0279	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	103	107	55 - 130	10.471	10.50489	-0.0339	+/-1.0	
Matrix Spike (0100835-MS1) Lab File ID: ECD8-10272024.D Analyzed: 10/27/20 17:48								
2,4,5,6-TCMX (Surr) [2C]	208	86	42 - 129	5.962	5.989889	-0.0279	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	208	95	55 - 130	10.47	10.50489	-0.0349	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0J27055
 Matrix: Sediment

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: DUALECD8
 Calibration: A0J2107

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J27055-CCV5)			Lab File ID: ECD8-10272034.D		Analyzed: 10/27/20 20:48			
2,4,5,6-TCMX (Surr)	50.0	88	80 - 120	5.658	5.682556	-0.0246	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	93	80 - 120	5.962	5.989889	-0.0279	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	103	80 - 120	9.876	9.902556	-0.0266	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	105	80 - 120	10.469	10.50489	-0.0359	+/-1.0	
Calibration Blank (0J27055-CCB3)			Lab File ID: ECD8-10272036.D		Analyzed: 10/27/20 21:21			
2,4,5,6-TCMX (Surr) [2C]	100	94	25 - 140	5.962	5.989889	-0.0279	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	99	30 - 135	10.47	10.50489	-0.0349	+/-1.0	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

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
SG-RB-2010121630	10/12/20 16:30	10/13/20 07:35	10/19/20 15:24	6.95	7.00	10/21/20 16:39	2.05	40.00	
USMPDI-002SG-201012	10/12/20 12:06	10/13/20 07:35	10/22/20 11:08	9.96	14.00	10/26/20 17:06	4.25	40.00	
USMPDI-004SG-201012	10/12/20 10:24	10/13/20 07:35	10/22/20 11:08	10.03	14.00	10/27/20 16:38	5.23	40.00	
USMPDI-007SG-201012	10/12/20 14:10	10/13/20 07:35	10/22/20 11:08	9.87	14.00	10/27/20 16:54	5.24	40.00	
USMPDI-009SG-201012	10/12/20 09:29	10/13/20 07:35	10/22/20 11:08	10.07	14.00	10/27/20 17:14	5.25	40.00	
USMPDI-025SG-201012	10/12/20 15:08	10/13/20 07:35	10/22/20 11:08	9.83	14.00	10/27/20 17:31	5.27	40.00	

Apex Laboratories

SDG: A0J0472
CLASS: GCMS
METHOD: EPA 8270E

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:
SG-RB-2010121630

Lab Sample Id:
A0J0472-01

Matrix
WQ

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

11/23/2020 3:40PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Water

Analyte	MDL	MRL	Units
Acenaphthene	0.0100	0.0200	ug/L
Acenaphthylene	0.0100	0.0200	ug/L
Anthracene	0.0100	0.0200	ug/L
Benz(a)anthracene	0.0100	0.0200	ug/L
Benzo(a)pyrene	0.0150	0.0300	ug/L
Benzo(b)fluoranthene	0.0150	0.0300	ug/L
Benzo(k)fluoranthene	0.0150	0.0300	ug/L
Benzo(g,h,i)perylene	0.0100	0.0200	ug/L
Chrysene	0.0100	0.0200	ug/L
Dibenz(a,h)anthracene	0.0100	0.0200	ug/L
Fluoranthene	0.0100	0.0200	ug/L
Fluorene	0.0100	0.0200	ug/L
Indeno(1,2,3-cd)pyrene	0.0100	0.0200	ug/L
1-Methylnaphthalene	0.0200	0.0400	ug/L
2-Methylnaphthalene	0.0200	0.0400	ug/L
Naphthalene	0.0200	0.0400	ug/L
Phenanthrene	0.0100	0.0200	ug/L
Pyrene	0.0100	0.0200	ug/L
Carbazole	0.0150	0.0300	ug/L
Dibenzofuran	0.0100	0.0200	ug/L
2-Chlorophenol	0.0500	0.100	ug/L
4-Chloro-3-methylphenol	0.100	0.200	ug/L
2,4-Dichlorophenol	0.0500	0.100	ug/L
2,4-Dimethylphenol	0.0500	0.100	ug/L
2,4-Dinitrophenol	0.250	0.500	ug/L
4,6-Dinitro-2-methylphenol	0.250	0.500	ug/L
2-Methylphenol	0.0250	0.0500	ug/L
3+4-Methylphenol(s)	0.0250	0.0500	ug/L
2-Nitrophenol	0.100	0.200	ug/L
4-Nitrophenol	0.100	0.200	ug/L
Pentachlorophenol (PCP)	0.100	0.200	ug/L
Phenol	0.200	0.400	ug/L
2,3,4,6-Tetrachlorophenol	0.0500	0.100	ug/L
2,3,5,6-Tetrachlorophenol	0.0500	0.100	ug/L
2,4,5-Trichlorophenol	0.0500	0.100	ug/L
2,4,6-Trichlorophenol	0.0500	0.100	ug/L
Butyl benzyl phthalate	0.200	0.400	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Water

Analyte	MDL	MRL	Units
Diethylphthalate	0.200	0.400	ug/L
Dimethylphthalate	0.200	0.400	ug/L
Di-n-butylphthalate	0.200	0.400	ug/L
Di-n-octyl phthalate	0.200	0.400	ug/L

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

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

SG-RB-2010121630

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>A0J0472</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>US Moorings -- C2, C3, C4</u>
Matrix:	<u>WQ</u>	Laboratory ID:	<u>A0J0472-01</u>
Sampled:	<u>10/12/20 16:30</u>	File ID:	<u>J10152020.D</u>
		Prepared:	<u>10/15/20 10:57</u>
		Analyzed:	<u>10/15/20 19:36</u>
		Preparation:	<u>EPA 3510C (Acid Extraction)</u>
		Initial/Final:	<u>1050 mL / 1 mL</u>

Batch: 0100503 Sequence: 0J15030 Calibration: A0E0506 Instrument: SV-GCMS10

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
83-32-9	Acenaphthene	1	0.00952	U
208-96-8	Acenaphthylene	1	0.00952	U
120-12-7	Anthracene	1	0.00952	U
56-55-3	Benz(a)anthracene	1	0.00952	U
50-32-8	Benzo(a)pyrene	1	0.0143	U
205-99-2	Benzo(b)fluoranthene	1	0.0143	U
207-08-9	Benzo(k)fluoranthene	1	0.0143	U
191-24-2	Benzo(g,h,i)perylene	1	0.00952	U
218-01-9	Chrysene	1	0.00952	U
53-70-3	Dibenz(a,h)anthracene	1	0.00952	U
206-44-0	Fluoranthene	1	0.00952	U
86-73-7	Fluorene	1	0.00952	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.00952	U
91-57-6	2-Methylnaphthalene	1	0.0190	U
91-20-3	Naphthalene	1	0.0222	J
85-01-8	Phenanthrene	1	0.0145	J
129-00-0	Pyrene	1	0.00952	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Nitrobenzene-d5 (Surr)	4.76	2.28	48	44 - 120	
2-Fluorobiphenyl (Surr)	4.76	1.88	40	44 - 120	*
Phenol-d6 (Surr)	4.76	0.664	14	10 - 133	
p-Terphenyl-d14 (Surr)	4.76	2.76	58	50 - 134	
2-Fluorophenol (Surr)	4.76	1.12	24	19 - 120	
2,4,6-Tribromophenol (Surr)	4.76	3.20	67	43 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4 (ISTD)	210943	6.498	215293	6.503	
Naphthalene-d8 (ISTD)	814745	7.766	805539	7.766	
Acenaphthene-d10 (ISTD)	437929	9.547	402363	9.547	
Phenanthrene-d10 (ISTD)	807541	11.066	734141	11.061	
Chrysene-d12 (ISTD)	902409	14.778	782317	14.772	
Perylene-d12 (ISTD)	953912	18.238	840080	18.238	
Dibenz(a,h)anthracene-d14 (ISTD)	932419	20.635	825026	20.629	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100503 Batch Matrix: Water

Preparation: EPA 3510C (Acid Extraction)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100503-BLK2	J10152017.D	10/15/20 10:57	
LCS	0100503-BS2	J10152018.D	10/15/20 10:57	
LCS Dup	0100503-BSD2	J10152019.D	10/15/20 10:57	
SG-RB-2010121630	A0J0472-01	J10152020.D	10/15/20 10:57	

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

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

METHOD BLANK DATA SHEET

EPA 8270E

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>Water</u>	Laboratory ID: <u>0100503-BLK2</u>	File ID: <u>J10152017.D</u>
Prepared: <u>10/15/20 10:57</u>	Preparation: <u>EPA 3510C (Acid Extraction)</u>	Initial/Final: <u>1100 mL / 1 mL</u>
Analyzed: <u>10/15/20 17:49</u>	Instrument: <u>SV-GCMS10</u>	
Batch: <u>0100503</u>	Sequence: <u>0J15030</u>	Calibration: <u>A0E0506</u>

CAS NO.	COMPOUND	CONC. (ug/L)	Q
83-32-9	Acenaphthene	0.00909	U
208-96-8	Acenaphthylene	0.00909	U
120-12-7	Anthracene	0.00909	U
56-55-3	Benz(a)anthracene	0.00909	U
50-32-8	Benzo(a)pyrene	0.0136	U
205-99-2	Benzo(b)fluoranthene	0.0136	U
207-08-9	Benzo(k)fluoranthene	0.0136	U
191-24-2	Benzo(g,h,i)perylene	0.00909	U
218-01-9	Chrysene	0.00909	U
53-70-3	Dibenz(a,h)anthracene	0.00909	U
206-44-0	Fluoranthene	0.00909	U
86-73-7	Fluorene	0.00909	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.00909	U
90-12-0	1-Methylnaphthalene	0.0236	J
91-57-6	2-Methylnaphthalene	0.0295	J
91-20-3	Naphthalene	0.0182	U
85-01-8	Phenanthrene	0.00909	U
129-00-0	Pyrene	0.00909	U
86-74-8	Carbazole	0.0136	U
132-64-9	Dibenzofuran	0.00909	U
95-57-8	2-Chlorophenol	0.0455	U
59-50-7	4-Chloro-3-methylphenol	0.0909	U
120-83-2	2,4-Dichlorophenol	0.0455	U
105-67-9	2,4-Dimethylphenol	0.0455	U
51-28-5	2,4-Dinitrophenol	0.227	U
534-52-1	4,6-Dinitro-2-methylphenol	0.227	U
95-48-7	2-Methylphenol	0.0227	U
NA	3+4-Methylphenol(s)	0.0227	U
88-75-5	2-Nitrophenol	0.0909	U
100-02-7	4-Nitrophenol	0.0909	U
87-86-5	Pentachlorophenol (PCP)	0.0909	U
108-95-2	Phenol	0.182	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.0455	U
935-95-5	2,3,5,6-Tetrachlorophenol	0.0455	U
95-95-4	2,4,5-Trichlorophenol	0.0455	U

METHOD BLANK DATA SHEET

EPA 8270E

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>Water</u>	Laboratory ID: <u>0100503-BLK2</u>	File ID: <u>J10152017.D</u>
Prepared: <u>10/15/20 10:57</u>	Preparation: <u>EPA 3510C (Acid Extraction)</u>	Initial/Final: <u>1100 mL / 1 mL</u>
Analyzed: <u>10/15/20 17:49</u>	Instrument: <u>SV-GCMS10</u>	
Batch: <u>0100503</u>	Sequence: <u>0J15030</u>	Calibration: <u>A0E0506</u>

CAS NO.	COMPOUND	CONC. (ug/L)	Q
88-06-2	2,4,6-Trichlorophenol	0.0455	U
117-81-7	Bis(2-ethylhexyl)phthalate	0.182	U
85-68-7	Butyl benzyl phthalate	0.182	U
84-66-2	Diethylphthalate	0.182	U
131-11-3	Dimethylphthalate	0.182	U
84-74-2	Di-n-butylphthalate	0.182	U
117-84-0	Di-n-octyl phthalate	0.182	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Nitrobenzene-d5 (Surr)	4.55	3.28	72	44 - 120	
2-Fluorobiphenyl (Surr)	4.55	2.49	55	44 - 120	
Phenol-d6 (Surr)	4.55	0.952	21	10 - 133	
p-Terphenyl-d14 (Surr)	4.55	3.37	74	50 - 134	
2-Fluorophenol (Surr)	4.55	1.88	41	19 - 120	
2,4,6-Tribromophenol (Surr)	4.55	3.62	80	43 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4 (ISTD)	209257	6.498	215293	6.503	
Naphthalene-d8 (ISTD)	793998	7.766	805539	7.766	
Acenaphthene-d10 (ISTD)	443943	9.547	402363	9.547	
Phenanthrene-d10 (ISTD)	805467	11.06	734141	11.061	
Chrysene-d12 (ISTD)	887629	14.767	782317	14.772	
Perylene-d12 (ISTD)	915634	18.233	840080	18.238	
Dibenz(a,h)anthracene-d14 (ISTD)	861854	20.624	825026	20.629	

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 0100503

Laboratory ID: 0100503-BS2

Preparation: EPA 3510C (Acid Extraction)

Initial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	4.00	2.71	68	47 - 122
Acenaphthylene	4.00	2.94	74	41 - 130
Anthracene	4.00	3.01	75	57 - 123
Benz(a)anthracene	4.00	3.33	83	58 - 125
Benzo(a)pyrene	4.00	3.45	86	54 - 128
Benzo(b)fluoranthene	4.00	3.48	87	53 - 131
Benzo(k)fluoranthene	4.00	3.27	82	57 - 129
Benzo(g,h,i)perylene	4.00	3.14	79	50 - 134
Chrysene	4.00	3.28	82	59 - 123
Dibenz(a,h)anthracene	4.00	3.11	78	51 - 134
Fluoranthene	4.00	3.29	82	57 - 128
Fluorene	4.00	2.81	70	52 - 124
Indeno(1,2,3-cd)pyrene	4.00	2.99	75	52 - 134
1-Methylnaphthalene	4.00	2.58	64	41 - 120
2-Methylnaphthalene	4.00	2.58	65	40 - 121
Naphthalene	4.00	2.44	61	40 - 121
Phenanthrene	4.00	2.85	71	59 - 120
Pyrene	4.00	3.30	82	57 - 126
Carbazole	4.00	3.92	98	60 - 122
Dibenzofuran	4.00	2.71	68	53 - 120
2-Chlorophenol	4.00	2.59	65	38 - 120
4-Chloro-3-methylphenol	4.00	3.24	81	52 - 120
2,4-Dichlorophenol	4.00	2.99	75	47 - 121
2,4-Dimethylphenol	4.00	2.77	69	31 - 124
2,4-Dinitrophenol	4.00	3.43	86	23 - 143
4,6-Dinitro-2-methylphenol	4.00	3.08	77	44 - 137
2-Methylphenol	4.00	2.37	59	30 - 120
3+4-Methylphenol(s)	4.00	2.16	54	29 - 120
2-Nitrophenol	4.00	2.96	74	47 - 123
4-Nitrophenol	4.00	1.14	29	10 - 120

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 0100503

Laboratory ID: 0100503-BS2

Preparation: EPA 3510C (Acid Extraction)

Initial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Pentachlorophenol (PCP)	4.00	3.34	83	35 - 138
Phenol	4.00	0.913	23	10 - 120
2,3,4,6-Tetrachlorophenol	4.00	3.14	78	50 - 128
2,3,5,6-Tetrachlorophenol	4.00	3.23	81	50 - 121
2,4,5-Trichlorophenol	4.00	3.08	77	53 - 123
2,4,6-Trichlorophenol	4.00	3.08	77	50 - 125
Bis(2-ethylhexyl)phthalate	4.00	3.98	100	55 - 135
Butyl benzyl phthalate	4.00	4.01	100	53 - 134
Diethylphthalate	4.00	3.22	80	56 - 125
Dimethylphthalate	4.00	3.16	79	45 - 127
Di-n-butylphthalate	4.00	3.61	90	59 - 127
Di-n-octyl phthalate	4.00	4.19	105	51 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 0100503

Laboratory ID: 0100503-BSD2

Preparation: EPA 3510C (Acid Extraction)

Initial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
Acenaphthene	4.00	2.74	69	1	30	47 - 122
Acenaphthylene	4.00	2.95	74	0.3	30	41 - 130
Anthracene	4.00	3.06	77	2	30	57 - 123
Benz(a)anthracene	4.00	3.33	83	0.1	30	58 - 125
Benzo(a)pyrene	4.00	3.47	87	0.7	30	54 - 128
Benzo(b)fluoranthene	4.00	3.47	87	0.04	30	53 - 131
Benzo(k)fluoranthene	4.00	3.31	83	1	30	57 - 129
Benzo(g,h,i)perylene	4.00	3.14	79	0.001	30	50 - 134
Chrysene	4.00	3.35	84	2	30	59 - 123
Dibenz(a,h)anthracene	4.00	3.07	77	1	30	51 - 134
Fluoranthene	4.00	3.29	82	0.2	30	57 - 128
Fluorene	4.00	2.88	72	3	30	52 - 124
Indeno(1,2,3-cd)pyrene	4.00	2.94	74	1	30	52 - 134
1-Methylnaphthalene	4.00	2.53	63	2	30	41 - 120
2-Methylnaphthalene	4.00	2.52	63	2	30	40 - 121
Naphthalene	4.00	2.36	59	3	30	40 - 121
Phenanthrene	4.00	2.87	72	0.7	30	59 - 120
Pyrene	4.00	3.38	84	2	30	57 - 126
Carbazole	4.00	4.00	100	2	30	60 - 122
Dibenzofuran	4.00	2.73	68	0.5	30	53 - 120
2-Chlorophenol	4.00	2.65	66	2	30	38 - 120
4-Chloro-3-methylphenol	4.00	3.39	85	5	30	52 - 120
2,4-Dichlorophenol	4.00	3.05	76	2	30	47 - 121
2,4-Dimethylphenol	4.00	2.80	70	1	30	31 - 124
2,4-Dinitrophenol	4.00	3.50	87	2	30	23 - 143
4,6-Dinitro-2-methylphenol	4.00	3.20	80	4	30	44 - 137
2-Methylphenol	4.00	2.45	61	3	30	30 - 120
3+4-Methylphenol(s)	4.00	2.25	56	4	30	29 - 120
2-Nitrophenol	4.00	2.96	74	0.05	30	47 - 123
4-Nitrophenol	4.00	1.33	33	15	30	10 - 120

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 0100503

Laboratory ID: 0100503-BSD2

Preparation: EPA 3510C (Acid Extraction)

Initial/Final: 1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
Pentachlorophenol (PCP)	4.00	3.36	84	0.8	30	35 - 138
Phenol	4.00	1.00	25	9	30	10 - 120
2,3,4,6-Tetrachlorophenol	4.00	3.10	78	1	30	50 - 128
2,3,5,6-Tetrachlorophenol	4.00	3.30	82	2	30	50 - 121
2,4,5-Trichlorophenol	4.00	3.10	78	0.8	30	53 - 123
2,4,6-Trichlorophenol	4.00	3.13	78	1	30	50 - 125
Bis(2-ethylhexyl)phthalate	4.00	3.94	99	1	30	55 - 135
Butyl benzyl phthalate	4.00	4.00	100	0.2	30	53 - 134
Diethylphthalate	4.00	3.17	79	1	30	56 - 125
Dimethylphthalate	4.00	3.18	80	0.8	30	45 - 127
Di-n-butylphthalate	4.00	3.58	90	0.6	30	59 - 127
Di-n-octyl phthalate	4.00	4.12	103	2	30	51 - 140

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0E01048

Instrument: SV-GCMS10

Matrix: Water

Calibration: A0E0506

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0E01048-TUN1	J05012009.D	05/01/20 14:11
Initial Cal Blank	0E01048-ICB1	J05012010.D	05/01/20 14:39
Cal Standard	0E01048-CAL1	J05012011.D	05/01/20 15:16
Cal Standard	0E01048-CAL2	J05012012.D	05/01/20 15:53
Cal Standard	0E01048-CAL3	J05012013.D	05/01/20 18:15
Cal Standard	0E01048-CAL4	J05012014.D	05/01/20 18:50
Cal Standard	0E01048-CAL5	J05012015.D	05/01/20 19:26
Cal Standard	0E01048-CAL6	J05012016.D	05/01/20 20:01
Cal Standard	0E01048-CAL7	J05012017.D	05/01/20 20:36
Cal Standard	0E01048-CAL8	J05012018.D	05/01/20 21:11
Cal Standard	0E01048-CAL9	J05012019.D	05/01/20 21:46
Cal Standard	0E01048-CALA	J05012020.D	05/01/20 22:21
Initial Cal Check	0E01048-ICV1	J05012022.D	05/01/20 23:31

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J15030

Instrument: SV-GCMS10

Matrix: Water

Calibration: A0E0506

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0J15030-TUN2	J10152004.D	10/15/20 10:10
Calibration Check	0J15030-CCV2	J10152005.D	10/15/20 10:38
Calibration Blank	0J15030-CCB1	J10152006.D	10/15/20 11:13
Blank	0100503-BLK2	J10152017.D	10/15/20 17:49
LCS	0100503-BS2	J10152018.D	10/15/20 18:25
LCS Dup	0100503-BSD2	J10152019.D	10/15/20 19:01
SG-RB-2010121630	A0J0472-01	J10152020.D	10/15/20 19:36

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 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Lab File ID: J05012009.D

Injection Date: 05/01/20

Instrument ID: SV-GCMS10

Injection Time: 14:11

Sequence: 0E01048

Lab Sample ID: 0E01048-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.50	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	0.11	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.80	PASS
m/z 365	1 - 100% of m/z 198	4.67	PASS
m/z 441	Less than 150% of m/z 443	75.92	PASS
m/z 442	0.1 - 200% of m/z 198	144.26	PASS
m/z 443	15 - 24% of m/z 442	19.76	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Lab File ID: J10152004.D

Injection Date: 10/15/20

Instrument ID: SV-GCMS10

Injection Time: 10:10

Sequence: 0J15030

Lab Sample ID: 0J15030-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.79	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.67	PASS
m/z 197	Less than 2% of m/z 198	0.32	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.95	PASS
m/z 365	1 - 100% of m/z 198	5.02	PASS
m/z 441	Less than 150% of m/z 443	75.74	PASS
m/z 442	0.1 - 200% of m/z 198	165.00	PASS
m/z 443	15 - 24% of m/z 442	20.05	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0E0506

Date: 05/05/20 15:37

Instrument: SV-GCMS10

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.309699	Ave	11.31474	9.9043	6.321452E-02			20	
Acenaphthylene	1.93992	Ave	12.46611	9.7264	4.858635E-02			20	
Anthracene	1.080799	Ave	10.09827	11.4678	6.934735E-02			20	
Benz(a)anthracene	1.134038	Ave	3.288159	15.3897	0.1038462			20	
Benzo(a)pyrene	0.8542592	XXX	19.92698	18.8022	0.1382656				
Benzo(b)fluoranthene	1.039929	XXX	18.25386	18.0196	0.1276842				
Benzo(k)fluoranthene	1.012403	XXX	17.07778	18.0875	0.1448591				
Benzo(g,h,i)perylene	1.100612	Ave	14.05655	21.8979	0.1561685			20	
Chrysene	1.068175	Ave	4.133873	15.4737	0.1269752			20	
Dibenz(a,h)anthracene	1.080508	Ave	4.796201	21.4183	0.1300863			20	
Fluoranthene	1.207959	Ave	9.905785	12.74275	3.500751E-02			20	
Fluorene	1.394564	Ave	12.18487	10.4298	6.269565E-02			20	
Indeno(1,2,3-cd)pyrene	1.162765	Ave	3.343229	21.3529	0.1512898			20	
2-Methylnaphthalene	0.7270146	Ave	9.11916	8.8043	4.382354E-02			20	
Naphthalene	1.068379	Ave	12.09706	8.1055	5.728119E-02			20	
Phenanthrene	1.125548	Ave	11.62566	11.4173	4.393023E-02			20	
Pyrene	1.208958	Ave	9.92679	13.0627	7.064713E-02			20	
Nitrobenzene-d5 (Surr)	1.127464	Ave	7.149165	7.3561	7.308526E-02			20	
2-Fluorobiphenyl (Surr)	1.593321	Ave	10.79335	9.1703	4.828418E-02			20	
Phenol-d6 (Surr)	1.42936	Ave	8.143193	6.4373	0.1441756			20	
p-Terphenyl-d14 (Surr)	0.970764	Ave	8.781384	13.2783	0.0697478			20	
2-Fluorophenol (Surr)	1.214138	Ave	8.482968	5.528	6.164641E-02			20	
2,4,6-Tribromophenol (Surr)	0.1326031	XXX	21.88442	10.6754	6.113921E-02				

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 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0E0506

Instrument: SV-GCMS10

Calibration Date: 05/05/20 15:37

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Acenaphthene	20	1.331898	50	1.47271	100	1.41018	200	1.448985	500	1.417782	1000	1.36651
Acenaphthylene	20	1.83821	50	2.044467	100	2.139708	200	2.179846	500	2.197474	1000	2.076766
Anthracene	20	1.03303	50	1.092533	100	1.169903	200	1.197055	500	1.199932	1000	1.163532
Benz(a)anthracene	20	1.183775	50	1.080124	100	1.084719	200	1.128312	500	1.173007	1000	1.164557
Benzo(a)pyrene	20	0.5484383	50	0.6298965	100	0.6957461	200	0.8163063	500	0.9564717	1000	0.97207
Benzo(b)fluoranthene	20	0.7089108	50	0.7662897	100	0.8868251	200	0.990949	500	1.136772	1000	1.129014
Benzo(k)fluoranthene	20	0.68248	50	0.7588512	100	0.9259456	200	1.026977	500	1.178769	1000	1.161588
Benzo(b+k)fluoranthene(s)	40	0.7430505	100	0.8206033	200	0.9574229	400	1.059036	1000	1.19528	2000	1.18069
Benzo(g,h,i)perylene	20	0.776435	50	0.896235	100	1.041168	200	1.10611	500	1.226413	1000	1.207231
Chrysene	20	1.001226	50	1.081166	100	1.053245	200	1.112157	500	1.132419	1000	1.096594
Dibenz(a,h)anthracene	20	0.9964774	50	1.003322	100	1.042121	200	1.089272	500	1.14769	1000	1.104047
Fluoranthene	20	0.9816777	50	1.089265	100	1.193993	200	1.282702	500	1.317878	1000	1.315075
Fluorene	20	1.355942	50	1.310574	100	1.559842	200	1.582909	500	1.61896	1000	1.486134
Indeno(1,2,3-cd)pyrene	20	1.154043	50	1.139056	100	1.125996	200	1.112089	500	1.174755	1000	1.132274
1-Methylnaphthalene	20	0.6973106	50	0.7177634	100	0.7614049	200	0.7374633	500	0.7277501	1000	0.7060984
2-Methylnaphthalene	20	0.6787302	50	0.755966	100	0.7859386	200	0.8038993	500	0.7774538	1000	0.7657392
Naphthalene	20	1.12179	50	1.191588	100	1.159673	200	1.177242	500	1.164551	1000	1.122173
Phenanthrene	20	1.251568	50	1.20559	100	1.226887	200	1.236509	500	1.220081	1000	1.163501
Pyrene	20	1.048319	50	1.13154	100	1.246667	200	1.314269	500	1.389376	1000	1.315815
Carbazole	20	0.7335577	50	0.8581456	100	0.9241725	200	0.9747673	500	1.005365	1000	0.9295579
Dibenzofuran	20	1.871199	50	1.826996	100	1.992013	200	1.997131	500	1.970977	1000	1.896201
2-Chlorophenol	20	1.185736	50	1.225892	100	1.295827	200	1.346318	500	1.457381	1000	1.442836
4-Chloro-3-methylphenol	20	0.1468669	50	0.184265	100	0.2145163	200	0.2398795	500	0.2667763	1000	0.2691635
2,4-Dichlorophenol	20	0.2084828	50	0.2286023	100	0.2648909	200	0.2869749	500	0.3114868	1000	0.3142751
2,4-Dimethylphenol	20	0.2050672	50	0.2463373	100	0.2661426	200	0.3003978	500	0.3148234	1000	0.316034
2,4-Dinitrophenol	20	0	50	0	100	1.046119E-02	200	1.696333E-02	500	0.0498375	1000	8.098746E-02
4,6-Dinitro-2-methylphenol	20	0	50	1.606124E-02	100	4.302587E-02	200	7.389113E-02	500	0.1352937	1000	0.1789672
2-Methylphenol	20	0.9329525	50	0.8360099	100	0.9482015	200	1.003228	500	1.054377	1000	1.057172
3+4-Methylphenol(s)	20	1.01009	50	1.04744	100	1.23693	200	1.269678	500	1.337077	1000	1.34751
2-Nitrophenol	20	0.101509	50	0.1093097	100	0.1517636	200	0.1622001	500	0.1966295	1000	0.2096594
4-Nitrophenol	20	5.116234E-02	50	4.994226E-02	100	0.1071991	200	0.1329753	500	0.1941165	1000	0.2288886

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Calibration: A0E0506

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: SV-GCMS10
 Calibration Date: 05/05/20 15:37

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Pentachlorophenol (PCP)	20	1.695126E-02	50	3.838084E-02	100	0.0731054	200	8.501701E-02	500	0.11981	1000	0.1408718
Phenol	20	1.412459	50	1.18664	100	1.283273	200	1.631418	500	1.524032	1000	1.534989
2,3,4,6-Tetrachlorophenol	20	0.1070775	50	0.170343	100	0.2424634	200	0.3101415	500	0.3563781	1000	0.3694198
2,3,5,6-Tetrachlorophenol	20	8.191565E-02	50	0.1286072	100	0.1904949	200	0.2480959	500	0.3267098	1000	0.3607763
2,4,5-Trichlorophenol	20	0.2289724	50	0.2694069	100	0.3362205	200	0.3717557	500	0.433769	1000	0.4333678
2,4,6-Trichlorophenol	20	0.2121979	50	0.2633106	100	0.3484814	200	0.3641079	500	0.4333867	1000	0.4446764
Bis(2-ethylhexyl)phthalate	20	0.251626	50	0.248849	100	0.3216496	200	0.4411809	500	0.5893591	1000	0.6288373
Butyl benzyl phthalate	20	0.1601962	50	0.1987408	100	0.2534455	200	0.3035203	500	0.4027831	1000	0.4495893
Diethylphthalate	20	1.385018	50	1.505419	100	1.5464	200	1.545848	500	1.547866	1000	1.461831
Dimethylphthalate	20	1.286886	50	1.435899	100	1.564567	200	1.595013	500	1.578108	1000	1.529428
Di-n-butylphthalate	20	0.8452366	50	0.9292753	100	1.04307	200	1.113723	500	1.221495	1000	1.2278
Di-n-octyl phthalate	20	0.2597452	50	0.2806736	100	0.3548923	200	0.4701071	500	0.7662946	1000	0.9394232
Benzo(e)pyrene	20	0.7119	50	0.7724456	100	0.9149332	200	1.019418	500	1.110174	1000	1.098998
Perylene	20	0.8841719	50	0.9296793	100	0.9921135	200	0.9795014	500	1.026057	1000	0.9925297
1,1'-Biphenyl	20	1.708487	50	1.817969	100	1.908043	200	1.844029	500	1.836998	1000	1.779743
2,3,5-Trimethylnaphthalene	20	1.116345	50	1.141169	100	1.229246	200	1.283722	500	1.292023	1000	1.198981
2,6-Dimethylnaphthalene	20	1.220348	50	1.310691	100	1.347694	200	1.361034	500	1.33505	1000	1.287144
Nitrobenzene-d5 (Surr)	20	1.006963	50	0.99261	100	1.086289	200	1.165283	500	1.193067	1000	1.228916
2-Fluorobiphenyl (Surr)	20	1.634958	50	1.703313	100	1.766254	200	1.741099	500	1.737167	1000	1.660838
Phenol-d6 (Surr)	20	1.234729	50	1.266761	100	1.312878	200	1.434988	500	1.505471	1000	1.542301
p-Terphenyl-d14 (Surr)	20	0.7648127	50	0.8950494	100	1.000177	200	1.007628	500	1.055936	1000	1.036517
2-Fluorophenol (Surr)	20	1.017909	50	1.114815	100	1.117568	200	1.166497	500	1.27047	1000	1.258543
2,4,6-Tribromophenol (Surr)	20	7.395405E-02	50	9.289276E-02	100	0.1194551	200	0.1283914	500	0.1423239	1000	0.1490775

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0E0506

Instrument: SV-GCMS10

Matrix:

Calibration Date: 05/05/20 15:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Acenaphthene	2000	1.307658	4000	1.193469	6000	1.100858	8000	1.046944				
Acenaphthylene	2000	2.000918	4000	1.807614	6000	1.621115	8000	1.493078				
Anthracene	2000	1.106916	4000	1.020236	6000	0.9374081	8000	0.8874469				
Benz(a)anthracene	2000	1.168494	4000	1.131065	6000	1.121852	8000	1.104473				
Benzo(a)pyrene	2000	1.004276	4000	0.9954656	6000	0.9760354	8000	0.9478857				
Benzo(b)fluoranthene	2000	1.208503	4000	1.197609	6000	1.191767	8000	1.182647				
Benzo(k)fluoranthene	2000	1.16426	4000	1.111765	6000	1.083351	8000	1.030047				
Benzo(b+k)fluoranthene(s)	4000	1.21611	8000	1.181162	12000	1.163569	16000	1.130412				
Benzo(g,h,i)perylene	2000	1.240317	4000	1.207841	6000	1.179189	8000	1.12518				
Chrysene	2000	1.093082	4000	1.066936	6000	1.044867	8000	1.000057				
Dibenz(a,h)anthracene	2000	1.114819	4000	1.13228	6000	1.104529	8000	1.070526				
Fluoranthene	2000	1.282415	4000	1.200664	6000	1.088323	8000	1.065193				
Fluorene	2000	1.428979	4000	1.301415	6000	1.169774	8000	1.131113				
Indeno(1,2,3-cd)pyrene	2000	1.158007	4000	1.183312	6000	1.221725	8000	1.226388				
1-Methylnaphthalene	2000	0.6918355	4000	0.6370839	6000	0.5936093	8000	0.5534062				
2-Methylnaphthalene	2000	0.7567649	4000	0.6907538	6000	0.6490809	8000	0.6058197				
Naphthalene	2000	1.063865	4000	0.9666643	6000	0.882492	8000	0.8337508				
Phenanthrene	2000	1.091362	4000	1.022345	6000	0.9467416	8000	0.8908922				
Pyrene	2000	1.288682	4000	1.197327	6000	1.100761	8000	1.056822				
Carbazole	2000	0.8131273	4000	0.4804391	6000	0.3709254	8000	0.420948				
Dibenzofuran	2000	1.840875	4000	1.695526	6000	1.543593	8000	1.476867				
2-Chlorophenol	2000	1.439568	4000	1.384201	6000	1.369414	8000	1.315337				
4-Chloro-3-methylphenol	2000	0.2827642	4000	0.2766351	6000	0.2690648	8000	0.2591972				
2,4-Dichlorophenol	2000	0.3225524	4000	0.3023123	6000	0.2902244	8000	0.2759573				
2,4-Dimethylphenol	2000	0.3033706	4000	0.2765431	6000	0.2661205	8000	0.2568604				
2,4-Dinitrophenol	2000	0.1181806	4000	0.1525979	6000	0.162063	8000	0.1773479				
4,6-Dinitro-2-methylphenol	2000	0.215326	4000	0.2441277	6000	0.2378605	8000	0.2439412				
2-Methylphenol	2000	1.047302	4000	0.9770163	6000	0.9246923	8000	0.8856925				
3+4-Methylphenol(s)	2000	1.320772	4000	1.19856	6000	1.135726	8000	1.086924				
2-Nitrophenol	2000	0.2008244	4000	0.2003265	6000	0.1927349	8000	0.1934816				
4-Nitrophenol	2000	0.2490834	4000	0.2605745	6000	0.2501795	8000	0.262054				

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0E0506

Instrument: SV-GCMS10

Matrix:

Calibration Date: 05/05/20 15:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Pentachlorophenol (PCP)	2000	0.1610317	4000	0.1684072	6000	0.168955	8000	0.1716657				
Phenol	2000	1.658253	4000	1.575754	6000	1.544399	8000	1.492794				
2,3,4,6-Tetrachlorophenol	2000	0.3847489	4000	0.3856843	6000	0.3664249	8000	0.3711596				
2,3,5,6-Tetrachlorophenol	2000	0.3820095	4000	0.3883279	6000	0.3704171	8000	0.3771013				
2,4,5-Trichlorophenol	2000	0.4461997	4000	0.4378847	6000	0.4142294	8000	0.3945401				
2,4,6-Trichlorophenol	2000	0.4331596	4000	0.4458717	6000	0.420599	8000	0.4198224				
Bis(2-ethylhexyl)phthalate	2000	0.6671	4000	0.6739882	6000	0.6642011	8000	0.6450161				
Butyl benzyl phthalate	2000	0.4796208	4000	0.5067436	6000	0.5039344	8000	0.5117562				
Diethylphthalate	2000	1.353731	4000	1.223408	6000	1.052155	8000	1.01217				
Dimethylphthalate	2000	1.482711	4000	1.391273	6000	1.285786	8000	1.252565				
Di-n-butylphthalate	2000	1.168264	4000	1.112702	6000	0.9896788	8000	0.9690213				
Di-n-octyl phthalate	2000	1.102547	4000	1.18442	6000	1.175675	8000	1.158736				
Benzo(e)pyrene	2000	1.125403	4000	1.113865	6000	1.07445	8000	1.054871				
Perylene	2000	0.998988	4000	0.9650618	6000	0.9441094	8000	0.9225709				
1,1'-Biphenyl	2000	1.678499	4000	1.550044	6000	1.390287	8000	1.301724				
2,3,5-Trimethylnaphthalene	2000	1.124604	4000	1.008588	6000	0.9160567	8000	0.8612319				
2,6-Dimethylnaphthalene	2000	1.22497	4000	1.134281	6000	1.025679	8000	0.9723181				
Nitrobenzene-d5 (Surr)	2000	1.209807	4000	1.14777	6000	1.141868	8000	1.102066				
2-Fluorobiphenyl (Surr)	2000	1.59082	4000	1.473729	6000	1.353338	8000	1.271692				
Phenol-d6 (Surr)	2000	1.560852	4000	1.493668	6000	1.487917	8000	1.454036				
p-Terphenyl-d14 (Surr)	2000	1.021674	4000	0.9907016	6000	0.9824467	8000	0.9526973				
2-Fluorophenol (Surr)	2000	1.313984	4000	1.292324	6000	1.32031	8000	1.268959				
2,4,6-Tribromophenol (Surr)	2000	0.1548826	4000	0.1555956	6000	0.1556971	8000	0.1537608				

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: SV-GCMS10

Calibration: A0E0506

Lab File ID: J05012022.D

Sequence: 0E01048

Inject Date: 05/01/20

Lab Sample ID: 0E01048-ICV1

Inject Time: 23:31

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Acenaphthene	1000	1060	6.3	70 - 130
Acenaphthylene	1000	1120	12.4	70 - 130
Anthracene	1000	1090	9.5	70 - 130
Benz(a)anthracene	1000	1020	2.0	70 - 130
Benzo(a)pyrene	1000	1110	11.3	70 - 130
Benzo(b)fluoranthene	1000	1100	9.7	70 - 130
Benzo(k)fluoranthene	1000	1080	8.3	70 - 130
Benzo(g,h,i)perylene	1000	1130	13.4	70 - 130
Chrysene	1000	1050	5.2	70 - 130
Dibenz(a,h)anthracene	1000	1070	7.1	70 - 130
Fluoranthene	1000	1090	9.4	70 - 130
Fluorene	1000	1050	5.4	70 - 130
Indeno(1,2,3-cd)pyrene	1000	1020	1.9	70 - 130
1-Methylnaphthalene	1000	1150	15.2	70 - 130
2-Methylnaphthalene	1000	1130	13.1	70 - 130
Naphthalene	1000	1060	6.4	70 - 130
Phenanthrene	1000	1060	5.9	70 - 130
Pyrene	1000	1100	9.9	70 - 130
Carbazole	1000	1040	4.2	70 - 130
Dibenzofuran	1000	1050	5.4	70 - 130
2-Chlorophenol	1000	1130	12.7	70 - 130
4-Chloro-3-methylphenol	1000	1150	14.6	70 - 130
2,4-Dichlorophenol	1000	1150	15.3	70 - 130
2,4-Dimethylphenol	1000	1020	2.1	70 - 130
2,4-Dinitrophenol	1000	985	-1.5	70 - 130
4,6-Dinitro-2-methylphenol	1000	1000	0.3	70 - 130
2-Methylphenol	1000	1190	18.6	70 - 130
3+4-Methylphenol(s)	1000	1200	20.3	70 - 130
2-Nitrophenol	1000	1170	16.6	70 - 130
4-Nitrophenol	1000	1050	5.2	70 - 130
Pentachlorophenol (PCP)	1000	1110	10.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Instrument ID: <u>SV-GCMS10</u>	Calibration: <u>A0E0506</u>
Lab File ID: <u>J05012022.D</u>	
Sequence: <u>0E01048</u>	Inject Date: <u>05/01/20</u>
Lab Sample ID: <u>0E01048-ICV1</u>	Inject Time: <u>23:31</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Phenol	1000	1230	23.0	70 - 130
2,3,4,6-Tetrachlorophenol	1000	1080	8.4	70 - 130
2,3,5,6-Tetrachlorophenol	1000	1090	8.6	70 - 130
2,4,5-Trichlorophenol	1000	1100	10.2	70 - 130
2,4,6-Trichlorophenol	1000	1070	6.8	70 - 130
Bis(2-ethylhexyl)phthalate	1000	1020	1.6	70 - 130
Butyl benzyl phthalate	1000	1090	9.2	70 - 130
Diethylphthalate	1000	1030	2.7	70 - 130
Dimethylphthalate	1000	1090	8.8	70 - 130
Di-n-butylphthalate	1000	1060	5.9	70 - 130
Di-n-octyl phthalate	1000	1020	2.1	70 - 130
Nitrobenzene-d5 (Surr)	1000	1150	14.7	70 - 130
2-Fluorobiphenyl (Surr)	1000	1050	4.8	70 - 130
Phenol-d6 (Surr)	1000	1140	14.4	70 - 130
p-Terphenyl-d14 (Surr)	1000	1050	5.3	70 - 130
2-Fluorophenol (Surr)	1000	1090	9.0	70 - 130
2,4,6-Tribromophenol (Surr)	1000	1110	11.4	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: SV-GCMS10

Calibration: A0E0506

Lab File ID: J10152005.D

Calibration Date: 05/05/20 15:37

Sequence: 0J15030

Injection Date: 10/15/20

Lab Sample ID: 0J15030-CCV2

Injection Time: 10:38

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	1000	1000		1.309699	1.310906	0.09	20
Acenaphthylene	Ave	1000	1060		1.93992	2.051555	5.8	20
Anthracene	Ave	1000	1020		1.080799	1.10144	1.9	20
Benz(a)anthracene	Ave	1000	1010		1.134038	1.148514	1.3	20
Benzo(a)pyrene	XXX	1000	1060	6.0				20
Benzo(b)fluoranthene	XXX	1000	1030	3.2				20
Benzo(k)fluoranthene	XXX	1000	1010	0.7				20
Benzo(g,h,i)perylene	Ave	1000	990		1.100612	1.089699	-1.0	20
Chrysene	Ave	1000	1010		1.068175	1.083586	1.4	20
Dibenz(a,h)anthracene	Ave	1000	911		1.080508	0.9847302	-8.9	20
Fluoranthene	Ave	1000	1060		1.207959	1.281776	6.1	20
Fluorene	Ave	1000	1000		1.394564	1.399647	0.4	20
Indeno(1,2,3-cd)pyrene	Ave	1000	895		1.162765	1.040224	-10.5	20
1-Methylnaphthalene	Ave	1000	1050		0.6823726	0.7164867	5.0	20
2-Methylnaphthalene	Ave	1000	1060		0.7270146	0.7729582	6.3	20
Naphthalene	Ave	1000	1010		1.068379	1.074245	0.5	20
Phenanthrene	Ave	1000	973		1.125548	1.094814	-2.7	20
Pyrene	Ave	1000	1090		1.208958	1.314023	8.7	20
Carbazole	XXX	1000	1010	1.1				20
Dibenzofuran	Ave	1000	1050		1.811138	1.893981	4.6	20
Bis(2-ethylhexyl)phthalate	Ave	1000	1090		0.615669	0.6710093	9.0	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0E01048
 Matrix: Water

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: SV-GCMS10
 Calibration: A0E0506

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0E01048-ICV1)		Lab File ID: J05012022.D			Analyzed: 05/01/20 23:31			
Nitrobenzene-d5 (Surr)	1000	115	70 - 130	7.354	7.3561	-0.0021	+/-1.0	
2-Fluorobiphenyl (Surr)	1000	105	70 - 130	9.172	9.1703	0.0017	+/-1.0	
Phenol-d6 (Surr)	1000	114	70 - 130	6.434	6.4373	-0.0033	+/-1.0	
p-Terphenyl-d14 (Surr)	1000	105	70 - 130	13.28	13.2783	0.0017	+/-1.0	
2-Fluorophenol (Surr)	1000	109	70 - 130	5.525	5.528	-0.0030	+/-1.0	
2,4,6-Tribromophenol (Surr)	1000	111	70 - 130	10.675	10.6754	-0.0004	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0J15030
 Matrix: Water

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: SV-GCMS10
 Calibration: A0E0506

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0J15030-CCV2)			Lab File ID: J10152005.D		Analyzed: 10/15/20 10:38			
Nitrobenzene-d5 (Surr)	1000	102	80 - 120	7.049	7.3561	-0.3071	+/-1.0	
2-Fluorobiphenyl (Surr)	1000	109	80 - 120	8.857	9.1703	-0.3133	+/-1.0	
p-Terphenyl-d14 (Surr)	1000	100	80 - 120	12.826	13.2783	-0.4523	+/-1.0	
Calibration Blank (0J15030-CCB1)			Lab File ID: J10152006.D		Analyzed: 10/15/20 11:13			
Nitrobenzene-d5 (Surr)			44 - 120	0	7.3561	-7.3561	+/-1.0	
2-Fluorobiphenyl (Surr)			44 - 120	0	9.1703	-9.1703	+/-1.0	
p-Terphenyl-d14 (Surr)			50 - 134	12.831	13.2783	-0.4473	+/-1.0	
Blank (0100503-BLK2)			Lab File ID: J10152017.D		Analyzed: 10/15/20 17:49			
Nitrobenzene-d5 (Surr)	4.55	72	44 - 120	7.049	7.3561	-0.3071	+/-1.0	
2-Fluorobiphenyl (Surr)	4.55	55	44 - 120	8.857	9.1703	-0.3133	+/-1.0	
Phenol-d6 (Surr)	4.55	21	10 - 133	6.156	6.4373	-0.2813	+/-1.0	
p-Terphenyl-d14 (Surr)	4.55	74	50 - 134	12.831	13.2783	-0.4473	+/-1.0	
2-Fluorophenol (Surr)	4.55	41	19 - 120	5.246	5.528	-0.2820	+/-1.0	
2,4,6-Tribromophenol (Surr)	4.55	80	43 - 140	10.354	10.6754	-0.3214	+/-1.0	
LCS (0100503-BS2)			Lab File ID: J10152018.D		Analyzed: 10/15/20 18:25			
Nitrobenzene-d5 (Surr)	5.00	80	44 - 120	7.049	7.3561	-0.3071	+/-1.0	
2-Fluorobiphenyl (Surr)	5.00	67	44 - 120	8.857	9.1703	-0.3133	+/-1.0	
Phenol-d6 (Surr)	5.00	24	10 - 133	6.156	6.4373	-0.2813	+/-1.0	
p-Terphenyl-d14 (Surr)	5.00	87	50 - 134	12.826	13.2783	-0.4523	+/-1.0	
2-Fluorophenol (Surr)	5.00	43	19 - 120	5.247	5.528	-0.2810	+/-1.0	
2,4,6-Tribromophenol (Surr)	5.00	86	43 - 140	10.355	10.6754	-0.3204	+/-1.0	
LCS Dup (0100503-BSD2)			Lab File ID: J10152019.D		Analyzed: 10/15/20 19:01			
Nitrobenzene-d5 (Surr)	5.00	77	44 - 120	7.049	7.3561	-0.3071	+/-1.0	
2-Fluorobiphenyl (Surr)	5.00	66	44 - 120	8.857	9.1703	-0.3133	+/-1.0	
Phenol-d6 (Surr)	5.00	25	10 - 133	6.156	6.4373	-0.2813	+/-1.0	
p-Terphenyl-d14 (Surr)	5.00	82	50 - 134	12.831	13.2783	-0.4473	+/-1.0	
2-Fluorophenol (Surr)	5.00	43	19 - 120	5.252	5.528	-0.2760	+/-1.0	
2,4,6-Tribromophenol (Surr)	5.00	83	43 - 140	10.355	10.6754	-0.3204	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0J15030
 Matrix: Water

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: SV-GCMS10
 Calibration: A0E0506

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SG-RB-2010121630 (A0J0472-01)			Lab File ID: J10152020.D		Analyzed: 10/15/20 19:36			
Nitrobenzene-d5 (Surr)	4.76	48	44 - 120	7.049	7.3561	-0.3071	+/-1.0	
2-Fluorobiphenyl (Surr)	4.76	40	44 - 120	8.857	9.1703	-0.3133	+/-1.0	*
Phenol-d6 (Surr)	4.76	14	10 - 133	6.156	6.4373	-0.2813	+/-1.0	
p-Terphenyl-d14 (Surr)	4.76	58	50 - 134	12.836	13.2783	-0.4423	+/-1.0	
2-Fluorophenol (Surr)	4.76	24	19 - 120	5.247	5.528	-0.2810	+/-1.0	
2,4,6-Tribromophenol (Surr)	4.76	67	43 - 140	10.355	10.6754	-0.3204	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0J15030
 Matrix: Water

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: SV-GCMS10
 Calibration: A0E0506

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0J15030-CCV2)			Lab File ID: J10152005.D			Analyzed: 10/15/20 10:38			
1,4-Dichlorobenzene-d4 (ISTD)	215293	6.503	180245	6.808	119	50 - 200	-0.3050	+/-0.50	
Naphthalene-d8 (ISTD)	805539	7.766	673130	8.081	120	50 - 200	-0.3150	+/-0.50	
Acenaphthene-d10 (ISTD)	402363	9.547	339213	9.868	119	50 - 200	-0.3210	+/-0.50	
Phenanthrene-d10 (ISTD)	734141	11.061	643209	11.392	114	50 - 200	-0.3310	+/-0.50	
Chrysene-d12 (ISTD)	782317	14.772	647204	15.404	121	50 - 200	-0.6320	+/-0.50	*
Perylene-d12 (ISTD)	840080	18.238	635590	18.928	132	50 - 200	-0.6900	+/-0.50	*
Dibenz(a,h)anthracene-d14 (ISTD)	825026	20.629	543591	21.335	152	50 - 200	-0.7060	+/-0.50	*
Calibration Blank (0J15030-CCB1)			Lab File ID: J10152006.D			Analyzed: 10/15/20 11:13			
1,4-Dichlorobenzene-d4 (ISTD)	193158	6.503	215293	6.503	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8 (ISTD)	730733	7.766	805539	7.766	91	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	379197	9.547	402363	9.547	94	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	749987	11.06	734141	11.061	102	50 - 200	-0.0010	+/-0.50	
Chrysene-d12 (ISTD)	742426	14.762	782317	14.772	95	50 - 200	-0.0100	+/-0.50	
Perylene-d12 (ISTD)	782585	18.228	840080	18.238	93	50 - 200	-0.0100	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	725346	20.624	825026	20.629	88	50 - 200	-0.0050	+/-0.50	
Blank (0100503-BLK2)			Lab File ID: J10152017.D			Analyzed: 10/15/20 17:49			
1,4-Dichlorobenzene-d4 (ISTD)	209257	6.498	215293	6.503	97	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8 (ISTD)	793998	7.766	805539	7.766	99	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	443943	9.547	402363	9.547	110	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	805467	11.06	734141	11.061	110	50 - 200	-0.0010	+/-0.50	
Chrysene-d12 (ISTD)	887629	14.767	782317	14.772	113	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	915634	18.233	840080	18.238	109	50 - 200	-0.0050	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	861854	20.624	825026	20.629	104	50 - 200	-0.0050	+/-0.50	
LCS (0100503-BS2)			Lab File ID: J10152018.D			Analyzed: 10/15/20 18:25			
1,4-Dichlorobenzene-d4 (ISTD)	210358	6.498	215293	6.503	98	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8 (ISTD)	806511	7.766	805539	7.766	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	437288	9.547	402363	9.547	109	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	834892	11.061	734141	11.061	114	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	871877	14.778	782317	14.772	111	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	915908	18.244	840080	18.238	109	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	893907	20.635	825026	20.629	108	50 - 200	0.0060	+/-0.50	

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

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0J15030
 Matrix: Water

SDG: A0J0472
 Project: US Moorings -- C2, C3, C4
 Instrument: SV-GCMS10
 Calibration: A0E0506

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS Dup (0100503-BSD2)			Lab File ID: J10152019.D			Analyzed: 10/15/20 19:01			
1,4-Dichlorobenzene-d4 (ISTD)	216452	6.504	215293	6.503	101	50 - 200	0.0010	+/-0.50	
Naphthalene-d8 (ISTD)	822196	7.766	805539	7.766	102	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	448398	9.547	402363	9.547	111	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	861024	11.061	734141	11.061	117	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	897797	14.783	782317	14.772	115	50 - 200	0.0110	+/-0.50	
Perylene-d12 (ISTD)	937392	18.249	840080	18.238	112	50 - 200	0.0110	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	930146	20.64	825026	20.629	113	50 - 200	0.0110	+/-0.50	
SG-RB-2010121630 (A0J0472-01)			Lab File ID: J10152020.D			Analyzed: 10/15/20 19:36			
1,4-Dichlorobenzene-d4 (ISTD)	210943	6.498	215293	6.503	98	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8 (ISTD)	814745	7.766	805539	7.766	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	437929	9.547	402363	9.547	109	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	807541	11.066	734141	11.061	110	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	902409	14.778	782317	14.772	115	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	953912	18.238	840080	18.238	114	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	932419	20.635	825026	20.629	113	50 - 200	0.0060	+/-0.50	

HOLDING TIME SUMMARY

EPA 8270E

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

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
SG-RB-2010121630	10/12/20 16:30	10/13/20 07:35	10/15/20 10:57	2.77	7.00	10/15/20 19:36	0.36	40.00	

Apex Laboratories

SDG: A0J0472
CLASS: WET
METHOD: D7511-12

ANALYSES DATA PACKAGE COVER PAGE

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-002SG-201012</u>	<u>A0J0472-02</u>	<u>SE</u>
<u>USMPDI-004SG-201012</u>	<u>A0J0472-03</u>	<u>SE</u>
<u>USMPDI-007SG-201012</u>	<u>A0J0472-04</u>	<u>SE</u>
<u>USMPDI-009SG-201012</u>	<u>A0J0472-05</u>	<u>SE</u>
<u>USMPDI-025SG-201012</u>	<u>A0J0472-06</u>	<u>SE</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

11/23/2020 3:40PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Soil

Analyte	MDL	MRL	Units
Total Cyanide	0.0500	0.100	mg/kg

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

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-002SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-02RE1

File ID: 0J23021A-055

Sampled: 10/12/20 12:06

Prepared: 10/23/20 09:03

Analyzed: 10/23/20 11:46

Solids: 62.53

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5812 g / 50 mL

Batch: 0100800

Sequence: 0J23021

Calibration: A0J2301

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.786	2	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-004SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-03RE2

File ID: 0J26045-024

Sampled: 10/12/20 10:24

Prepared: 10/23/20 09:03

Analyzed: 10/26/20 10:46

Solids: 47.12

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.504 g / 50 mL

Batch: 0100800

Sequence: 0J26045

Calibration: A0J2601

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	1.06	1		D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-007SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-04RE2

File ID: 0J26045-025

Sampled: 10/12/20 14:10

Prepared: 10/23/20 09:03

Analyzed: 10/26/20 10:48

Solids: 42.27

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5956 g / 50 mL

Batch: 0100800

Sequence: 0J26045

Calibration: A0J2601

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	1.17	1		D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-009SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-05RE1

File ID: 0J23021A-066

Sampled: 10/12/20 09:29

Prepared: 10/23/20 09:03

Analyzed: 10/23/20 12:20

Solids: 53.58

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5115 g / 50 mL

Batch: 0100800

Sequence: 0J23021

Calibration: A0J2301

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	1.83	5	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-025SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-06RE1

File ID: 0J23021A-059

Sampled: 10/12/20 15:08

Prepared: 10/23/20 09:03

Analyzed: 10/23/20 11:54

Solids: 46.32

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5823 g / 50 mL

Batch: 0100800

Sequence: 0J23021

Calibration: A0J2301

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	1.18	1		D7511-12

PREPARATION BATCH SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100800 Batch Matrix: Soil

Preparation: ASTM D7511-12mod (S)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100800-BLK1	0J23021A-031	10/23/20 09:03	
LCS	0100800-BS1	0J23021A-032	10/23/20 09:03	
USMPDI-002SG-201012 (MS)	0100800-MS2	0J23021A-056	10/23/20 09:03	
USMPDI-002SG-201012 (MSD)	0100800-MSD2	0J23021A-057	10/23/20 09:03	
USMPDI-002SG-201012	A0J0472-02RE1	0J23021A-055	10/23/20 09:03	
USMPDI-004SG-201012	A0J0472-03RE2	0J26045-024	10/23/20 09:03	
USMPDI-007SG-201012	A0J0472-04RE2	0J26045-025	10/23/20 09:03	
USMPDI-009SG-201012	A0J0472-05RE1	0J23021A-066	10/23/20 09:03	
USMPDI-025SG-201012	A0J0472-06RE1	0J23021A-059	10/23/20 09:03	

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

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

METHOD BLANK DATA SHEET

D7511-12

Laboratory: Apex Laboratories SDG: A0J0472
Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4
Matrix: Soil Laboratory ID: 0100800-BLK1 File ID: 0J23021A-031
Prepared: 10/23/20 09:03 Preparation: ASTM D7511-12mod (S) Initial/Final: 2.5 g / 50 mL
Analyzed: 10/23/20 10:46 Instrument: OIA FS3000-2
Batch: 0100800 Sequence: 0J23021 Calibration: A0J2301

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
57-12-5	Total Cyanide	0.0500	U

LCS / LCS DUPLICATE RECOVERY

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 0100800

Laboratory ID: 0100800-BS1

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5 g / 50 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
Total Cyanide	0.400	0.464	116	84 - 116

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USMPDI-002SG-201012

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 0100800

Laboratory ID: 0100800-MS2

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5519 g / 50 mL

Source Sample Name: USMPDI-002SG-201012

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. (* = Out)	QC LIMITS REC.
Total Cyanide	0.627	0.786	1.32	85	64 - 136

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USMPDI-002SG-201012

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 0100800

Laboratory ID: 0100800-MSD2

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5357 g / 50 mL

Source Sample Name: USMPDI-002SG-201012

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
Total Cyanide	0.631	1.36	91	3	47	64 - 136

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J23021

Instrument: OIA FS3000-2

Matrix: Soil

Calibration: A0J2301

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0J23021-CAL2	0J23021A-008	10/23/20 09:40
Cal Standard	0J23021-CAL3	0J23021A-009	10/23/20 09:42
Cal Standard	0J23021-CAL4	0J23021A-010	10/23/20 09:44
Cal Standard	0J23021-CAL5	0J23021A-011	10/23/20 09:46
Cal Standard	0J23021-CAL6	0J23021A-012	10/23/20 09:48
Cal Standard	0J23021-CAL7	0J23021A-013	10/23/20 09:50
Initial Cal Check	0J23021-ICV1	0J23021A-016	10/23/20 09:56
Initial Cal Blank	0J23021-ICB1	0J23021A-017	10/23/20 09:58
Calibration Check	0J23021-CCV1	0J23021A-028	10/23/20 10:20
Calibration Blank	0J23021-CCB1	0J23021A-029	10/23/20 10:22
Blank	0100800-BLK1	0J23021A-031	10/23/20 10:46
LCS	0100800-BS1	0J23021A-032	10/23/20 10:48
Calibration Check	0J23021-CCV2	0J23021A-045	10/23/20 11:15
Calibration Blank	0J23021-CCB2	0J23021A-046	10/23/20 11:17
Calibration Check	0J23021-CCV3	0J23021A-052	10/23/20 11:29
Calibration Blank	0J23021-CCB3	0J23021A-053	10/23/20 11:31
USMPDI-002SG-201012	A0J0472-02RE1	0J23021A-055	10/23/20 11:46
USMPDI-002SG-201012 (MS)	0100800-MS2	0J23021A-056	10/23/20 11:48
USMPDI-002SG-201012 (MSD)	0100800-MSD2	0J23021A-057	10/23/20 11:50
USMPDI-025SG-201012	A0J0472-06RE1	0J23021A-059	10/23/20 11:54
Calibration Check	0J23021-CCV4	0J23021A-063	10/23/20 12:02
Calibration Blank	0J23021-CCB4	0J23021A-064	10/23/20 12:04
USMPDI-009SG-201012	A0J0472-05RE1	0J23021A-066	10/23/20 12:20
Calibration Check	0J23021-CCV5	0J23021A-070	10/23/20 12:28
Calibration Blank	0J23021-CCB5	0J23021A-071	10/23/20 12:30
Calibration Check	0J23021-CCV6	0J23021B-008	10/23/20 15:18
Calibration Blank	0J23021-CCB6	0J23021B-009	10/23/20 15:20

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J26045

Instrument: OIA FS3000-2

Matrix: Soil

Calibration: A0J2601

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0J26045-CAL2	0J26045-008	10/26/20 10:14
Cal Standard	0J26045-CAL3	0J26045-009	10/26/20 10:16
Cal Standard	0J26045-CAL4	0J26045-010	10/26/20 10:18
Cal Standard	0J26045-CAL5	0J26045-011	10/26/20 10:20
Cal Standard	0J26045-CAL6	0J26045-012	10/26/20 10:22
Cal Standard	0J26045-CAL7	0J26045-013	10/26/20 10:24
Initial Cal Check	0J26045-ICV1	0J26045-016	10/26/20 10:30
Initial Cal Blank	0J26045-ICB1	0J26045-017	10/26/20 10:32
USMPDI-004SG-201012	A0J0472-03RE2	0J26045-024	10/26/20 10:46
USMPDI-007SG-201012	A0J0472-04RE2	0J26045-025	10/26/20 10:48
Calibration Check	0J26045-CCV1	0J26045-028	10/26/20 10:54
Calibration Blank	0J26045-CCB1	0J26045-029	10/26/20 10:56

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)

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J2301

Date: 10/23/20 08:28

Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	18784.71	Q **	47.87215				0.9998665		

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

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J2301

Instrument: OIA FS3000-2

Calibration Date: 10/23/20 08:28

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Total Cyanide	1	5450	2	10252.5	5	19855.4	10	23415.2	25	26381.84	50	27353.32

INITIAL CALIBRATION DATA (Summary)

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J2601

Date: 10/26/20 08:42

Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	17894.44	Q **	104.8035				0.9993445		

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

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J2601

Instrument: OIA FS3000-2

Calibration Date: 10/26/20 08:42

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Total Cyanide	1	-16057	2	12403	5	16269.4	10	28917.8	25	32590.8	50	33242.62

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: OIA FS3000-2

Calibration: A0J2301

Control Limit: +/- 10.00%

Sequence: 0J23021

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0J23021-ICV1	Total Cyanide	25.0	26.1	104	ug/L	D7511-12
0J23021-CCV1	Total Cyanide	25.0	26.2	105	ug/L	D7511-12
0J23021-CCV2	Total Cyanide	25.0	26.8	107	ug/L	D7511-12
0J23021-CCV3	Total Cyanide	25.0	26.2	105	ug/L	D7511-12
0J23021-CCV4	Total Cyanide	25.0	27.1	108	ug/L	D7511-12
0J23021-CCV5	Total Cyanide	25.0	27.5	110	ug/L	D7511-12
0J23021-CCV6	Total Cyanide	25.0	27.3	109	ug/L	D7511-12

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: OIA FS3000-2

Calibration: A0J2601

Control Limit: +/- 10.00%

Sequence: 0J26045

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0J26045-ICV1	Total Cyanide	25.0	26.2	105	ug/L	D7511-12
0J26045-CCV1	Total Cyanide	25.0	27.0	108	ug/L	D7511-12

* Values outside of OC limits

INSTRUMENT BLANKS

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Instrument ID: OIA FS3000-2

Project: US Moorings -- C2, C3, C4

Sequence: 0J23021

Calibration: A0J2301

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0J23021-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J23021-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J23021-CCB2	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J23021-CCB3	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J23021-CCB4	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J23021-CCB5	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J23021-CCB6	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12

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

INSTRUMENT BLANKS

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Instrument ID: OIA FS3000-2

Project: US Moorings -- C2, C3, C4

Sequence: 0J26045

Calibration: A0J2601

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0J26045-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J26045-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12

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

HOLDING TIME SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

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
USMPDI-002SG-201012	10/12/20 12:06	10/13/20 07:35	10/23/20 09:03	10.87	14.00	10/23/20 11:46	10.99	14.00	
USMPDI-004SG-201012	10/12/20 10:24	10/13/20 07:35	10/23/20 09:03	10.94	14.00	10/26/20 10:46	14.02	14.00	*
USMPDI-007SG-201012	10/12/20 14:10	10/13/20 07:35	10/23/20 09:03	10.79	14.00	10/26/20 10:48	13.86	14.00	
USMPDI-009SG-201012	10/12/20 09:29	10/13/20 07:35	10/23/20 09:03	10.98	14.00	10/23/20 12:20	11.12	14.00	
USMPDI-025SG-201012	10/12/20 15:08	10/13/20 07:35	10/23/20 09:03	10.75	14.00	10/23/20 11:54	10.87	14.00	

Apex Laboratories

SDG: A0J0472

CLASS: WET

METHOD: PSEP_SM 5310B MOD

ANALYSES DATA PACKAGE COVER PAGE

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-002SG-201012</u>	<u>A0J0472-02</u>	<u>SE</u>
<u>USMPDI-004SG-201012</u>	<u>A0J0472-03</u>	<u>SE</u>
<u>USMPDI-007SG-201012</u>	<u>A0J0472-04</u>	<u>SE</u>
<u>USMPDI-009SG-201012</u>	<u>A0J0472-05</u>	<u>SE</u>
<u>USMPDI-025SG-201012</u>	<u>A0J0472-06</u>	<u>SE</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

11/23/2020 3:40PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Soil

Analyte	MDL	MRL	Units
Total Organic Carbon	0.020	0.020	%

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

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-002SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-02

File ID: 0J16020.txt-022

Sampled: 10/12/20 12:06

Prepared: 10/14/20 09:59

Analyzed: 10/16/20 14:54

Solids: 62.53

Preparation: PSEP-5310B TOC

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

Batch: 0100457

Sequence: 0J16020

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.1	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-004SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-03

File ID: 0J16020.txt-023

Sampled: 10/12/20 10:24

Prepared: 10/14/20 09:59

Analyzed: 10/16/20 15:05

Solids: 47.12

Preparation: PSEP-5310B TOC

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

Batch: 0100457

Sequence: 0J16020

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	2.0	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-007SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-04

File ID: 0J16020.txt-024

Sampled: 10/12/20 14:10

Prepared: 10/14/20 09:59

Analyzed: 10/16/20 15:16

Solids: 42.27

Preparation: PSEP-5310B TOC

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

Batch: 0100457

Sequence: 0J16020

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	2.5	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-009SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-05

File ID: 0J16020.txt-025

Sampled: 10/12/20 09:29

Prepared: 10/14/20 09:59

Analyzed: 10/16/20 15:26

Solids: 53.58

Preparation: PSEP-5310B TOC

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

Batch: 0100457

Sequence: 0J16020

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.6	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-025SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-06

File ID: 0J16020.txt-026

Sampled: 10/12/20 15:08

Prepared: 10/14/20 09:59

Analyzed: 10/16/20 15:37

Solids: 46.32

Preparation: PSEP-5310B TOC

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

Batch: 0100457

Sequence: 0J16020

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	2.3	1		PSEP_SM 5310B MOD

PREPARATION BATCH SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100457 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100457-BLK1	0J16020.txt-005	10/14/20 09:59	
LCS	0100457-BS1	0J16020.txt-006	10/14/20 09:59	
USMPDI-002SG-201012	A0J0472-02	0J16020.txt-022	10/14/20 09:59	
USMPDI-004SG-201012	A0J0472-03	0J16020.txt-023	10/14/20 09:59	
USMPDI-007SG-201012	A0J0472-04	0J16020.txt-024	10/14/20 09:59	
USMPDI-009SG-201012	A0J0472-05	0J16020.txt-025	10/14/20 09:59	
USMPDI-025SG-201012	A0J0472-06	0J16020.txt-026	10/14/20 09:59	

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

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

METHOD BLANK DATA SHEET
PSEP_SM 5310B MOD

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0472</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>Soil</u>	Laboratory ID: <u>0100457-BLK1</u>	File ID: <u>0J16020.txt-005</u>
Prepared: <u>10/14/20 09:59</u>	Preparation: <u>PSEP-5310B TOC</u>	Initial/Final: <u>0.2 N/A / 0.2 N/A</u>
Analyzed: <u>10/16/20 11:50</u>	Instrument: <u>TOC6</u>	
Batch: <u>0100457</u>	Sequence: <u>0J16020</u>	Calibration: <u>A0H1904</u>

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

LCS / LCS DUPLICATE RECOVERY
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 0100457

Laboratory ID: 0100457-BS1

Preparation: PSEP-5310B TOC

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

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC. (* = Out)	QC LIMITS REC.
Total Organic Carbon	10000	9600	96	88 - 111

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0H18059

Instrument: TOC6

Matrix: Soil

Calibration: A0H1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0H18059-CAL2	0H18059.txt-005	08/18/20 17:43
Cal Standard	0H18059-CAL3	0H18059.txt-006	08/18/20 17:53
Cal Standard	0H18059-CAL4	0H18059.txt-007	08/18/20 18:04
Cal Standard	0H18059-CAL5	0H18059.txt-008	08/18/20 18:15
Cal Standard	0H18059-CAL6	0H18059.txt-009	08/18/20 18:26
Cal Standard	0H18059-CAL7	0H18059.txt-010	08/18/20 18:37
Cal Standard	0H18059-CAL8	0H18059.txt-011	08/18/20 18:47
Cal Standard	0H18059-CAL9	0H18059.txt-012	08/18/20 18:58
Initial Cal Check	0H18059-ICV1	0H18059.txt-014	08/18/20 19:20
Initial Cal Blank	0H18059-ICB1	0H18059.txt-015	08/18/20 19:31

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J16020

Instrument: TOC6

Matrix: Soil

Calibration: A0H1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J16020-CCV1	0J16020.txt-003	10/16/20 11:29
Calibration Blank	0J16020-CCB1	0J16020.txt-004	10/16/20 11:40
Blank	0100457-BLK1	0J16020.txt-005	10/16/20 11:50
LCS	0100457-BS1	0J16020.txt-006	10/16/20 12:01
Calibration Check	0J16020-CCV2	0J16020.txt-015	10/16/20 13:38
Calibration Blank	0J16020-CCB2	0J16020.txt-016	10/16/20 13:49
USMPDI-002SG-201012	A0J0472-02	0J16020.txt-022	10/16/20 14:54
USMPDI-004SG-201012	A0J0472-03	0J16020.txt-023	10/16/20 15:05
USMPDI-007SG-201012	A0J0472-04	0J16020.txt-024	10/16/20 15:16
USMPDI-009SG-201012	A0J0472-05	0J16020.txt-025	10/16/20 15:26
USMPDI-025SG-201012	A0J0472-06	0J16020.txt-026	10/16/20 15:37
Calibration Check	0J16020-CCV3	0J16020.txt-027	10/16/20 15:48
Calibration Blank	0J16020-CCB3	0J16020.txt-028	10/16/20 15:59

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

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

INITIAL CALIBRATION DATA (Summary)

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0H1904

Date: 08/19/20 16:15

Instrument: TOC6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Organic Carbon	138.9486	Lin	5.543524			0.99974			

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

INITIAL CALIBRATION DATA
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0H1904

Instrument: TOC6

Calibration Date: 08/19/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF
Total Organic Carbon	200	152.6808	500	143.8895	1000	143.7313	2500	130.8668	5000	130.5313	12500	139.2529
Total Organic Carbon	200	152.6808	500	143.8895	1000	143.7313	2500	130.8668	5000	130.5313	12500	139.2529

INITIAL CALIBRATION DATA (Continued)

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0H1904

Instrument: TOC6

Matrix:

Calibration Date: 08/19/20 16:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF
Total Organic Carbon	25000	138.2198	50000	132.4167								
Total Organic Carbon	25000	138.2198	50000	132.4167								

INITIAL AND CONTINUING CALIBRATION CHECK

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: TOC6

Calibration: A0H1904

Control Limit: +/- 10.00%

Sequence: 0H18059

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0H18059-ICV1	Total Organic Carbon	10000	9800	98	mg/kg	SEP_SM 5310B MOI

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: TOC6

Calibration: A0H1904

Control Limit: +/- 10.00%

Sequence: 0J16020

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0J16020-CCV1	Total Organic Carbon	10000	9500	95	mg/kg	SEP_SM 5310B MOI
0J16020-CCV2	Total Organic Carbon	10000	9300	93	mg/kg	SEP_SM 5310B MOI
0J16020-CCV3	Total Organic Carbon	10000	9400	94	mg/kg	SEP_SM 5310B MOI

* Values outside of QC limits

INSTRUMENT BLANKS
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: TOC6

Calibration: A0H1904

Sequence: 0H18059

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0H18059-ICB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD

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

INSTRUMENT BLANKS
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Instrument ID: TOC6

Project: US Moorings -- C2, C3, C4

Sequence: 0J16020

Calibration: A0H1904

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0J16020-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0J16020-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0J16020-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD

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

HOLDING TIME SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

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
USMPDI-002SG-201012	10/12/20 12:06	10/13/20 07:35	10/14/20 09:59	1.91	28.00	10/16/20 14:54	4.12	28.00	
USMPDI-004SG-201012	10/12/20 10:24	10/13/20 07:35	10/14/20 09:59	1.98	28.00	10/16/20 15:05	4.20	28.00	
USMPDI-007SG-201012	10/12/20 14:10	10/13/20 07:35	10/14/20 09:59	1.83	28.00	10/16/20 15:16	4.05	28.00	
USMPDI-009SG-201012	10/12/20 09:29	10/13/20 07:35	10/14/20 09:59	2.02	28.00	10/16/20 15:26	4.25	28.00	
USMPDI-025SG-201012	10/12/20 15:08	10/13/20 07:35	10/14/20 09:59	1.79	28.00	10/16/20 15:37	4.02	28.00	

Apex Laboratories

SDG: A0J0472

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-002SG-201012</u>	<u>A0J0472-02</u>	<u>SE</u>
<u>USMPDI-004SG-201012</u>	<u>A0J0472-03</u>	<u>SE</u>
<u>USMPDI-007SG-201012</u>	<u>A0J0472-04</u>	<u>SE</u>
<u>USMPDI-009SG-201012</u>	<u>A0J0472-05</u>	<u>SE</u>
<u>USMPDI-025SG-201012</u>	<u>A0J0472-06</u>	<u>SE</u>

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

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

11/23/2020 3:40PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Total Solids	1.00	1.00	%

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

INORGANIC ANALYSIS DATA SHEET
SM 2540 G

USMPDI-002SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-02

Sampled: 10/12/20 12:06

Prepared: 10/14/20 10:00

Analyzed: 10/15/20 14:45

Solids: 62.53

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100456

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	62.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-004SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-03

Sampled: 10/12/20 10:24

Prepared: 10/14/20 10:00

Analyzed: 10/15/20 14:45

Solids: 47.12

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100456

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	47.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-007SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-04

Sampled: 10/12/20 14:10

Prepared: 10/14/20 10:00

Analyzed: 10/15/20 14:45

Solids: 42.27

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100456

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	42.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-009SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-05

Sampled: 10/12/20 09:29

Prepared: 10/14/20 10:00

Analyzed: 10/15/20 14:45

Solids: 53.58

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100456

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	53.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-025SG-201012

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0472-06

Sampled: 10/12/20 15:08

Prepared: 10/14/20 10:00

Analyzed: 10/15/20 14:45

Solids: 46.32

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100456

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	46.3	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100456

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
USMPDI-025SG-201012 (Dup)	0100456-DUP2		10/14/20 10:00	
USMPDI-002SG-201012	A0J0472-02		10/14/20 10:00	
USMPDI-004SG-201012	A0J0472-03		10/14/20 10:00	
USMPDI-007SG-201012	A0J0472-04		10/14/20 10:00	
USMPDI-009SG-201012	A0J0472-05		10/14/20 10:00	
USMPDI-025SG-201012	A0J0472-06		10/14/20 10:00	

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

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

DUPLICATES

USMPDI-025SG-201012

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Sediment

Laboratory ID: 0100456-DUP2

Batch: 0100456

Lab Source ID: A0J0472-06

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: USMPDI-025SG-201012

% Solids: 46.32

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
Total Solids	10	46.3		44.9		3		SM 2540 G

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0472

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

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
USMPDI-002SG-201012	10/12/20 12:06	10/13/20 07:35	10/14/20 10:00	1.91	180.00	10/15/20 14:45	1.20		
USMPDI-004SG-201012	10/12/20 10:24	10/13/20 07:35	10/14/20 10:00	1.98	180.00	10/15/20 14:45	1.20		
USMPDI-007SG-201012	10/12/20 14:10	10/13/20 07:35	10/14/20 10:00	1.83	180.00	10/15/20 14:45	1.20		
USMPDI-009SG-201012	10/12/20 09:29	10/13/20 07:35	10/14/20 10:00	2.02	180.00	10/15/20 14:45	1.20		
USMPDI-025SG-201012	10/12/20 15:08	10/13/20 07:35	10/14/20 10:00	1.79	180.00	10/15/20 14:45	1.20		

Raw Data

**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0100638
Sequence 0J21047 (A0J0472-01)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100638 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	2-11	>11	
	0100638-BLK1	QC	10/19/20 15:24	1100	5				100						
	0100638-BSD1	QC	10/19/20 15:24	1000	5	A20H478		100	100						
	0100638-BSD2	QC	10/19/20 15:24	1000	5	A20I265		100	100						
	0100638-BS1	QC	10/19/20 15:24	1000	5	A20H478		100	100						
	0100638-BS2	QC	10/19/20 15:24	1000	5	A20I265		100	100						
	A0J0414-01	G 608.3 Pesticides (SW)	10/19/20 15:24	1040	5				100	PDX-CR-002-10 1220-1255	DDX only				
	A0J0472-01	B 8081B 2,4+4,4-DDx Only (+Add)	10/19/20 15:24	1050	5				100	SG-RB-2010121 630					
	A0J0545-08	F 8081B Pesticides + Add	10/19/20 15:24	1050	5				100	Equipment Blank Soil	MDL , custom-- level 4 dp				
	A0J0608-01	H 8081B Pesticides + Add	10/19/20 15:24	1030	5				100	MW-4-1020					
	A0J0608-02	H 8081B Pesticides + Add	10/19/20 15:24	1070	5				100	MW-5-1020					
	A0J0630-03	G 8081B Pesticides	10/19/20 15:24	800	5				100	SB-02-RGW-101 620					
	A0J0630-05	G 8081B Pesticides	10/19/20 15:24	800	5				100	SB-3A-RGW-101 620					

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20B017	02/01/21	Glass Wool	A20H478	02/28/21	Mix AB Pesticide Matrix Spike	A20J060	03/09/21	8082 PCB Surrogate Spike
A20F023	11/29/22	Sodium Sulfate Lot # 196476	A20I265	03/14/21	8081 OGC 9-42 Pesticide Spike			
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

3x rinse

Witness: _____

Bottle Check: _____

Prepared By: _____ Date _____

MJB
Reviewed By: _____ Date 10/27/20



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100638 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-11	>11
	0100638-BLK1	QC	10/19/20 15:24	1000 100	5 ✓				100		#			
	0100638-BSD1	QC	10/19/20 15:24	1000	5 ✓	A20H478		100	100		#			6
	0100638-BSD2	QC	10/19/20 15:24	1000	5 ✓	A20I265		100	100		#			6
	0100638-BS1	QC	10/19/20 15:24	1000	5 ✓	A20H478		100	100		#			6
	0100638-BS2	QC	10/19/20 15:24	1000	5 ✓	A20I265		100	100		#			6
	A0J0414-01	G 608.3 Pesticides (SW)	10/19/20 15:24	1000 1040	5 ✓				100	PDX-CR-002-101220-1255 ✓	PDX only			7
	A0J0472-01	B 8081B 2,4+4,4-DDx Only (+Add)	10/19/20 15:24	1000 1050	5 ✓				100	SG-RB-2010121630 ✓	#			7
	A0J0545-08	F 8081B Pesticides + Add	10/19/20 15:24	1000 1050	5 ✓				100	Equipment Blank Soil ✓	MDL, custom-- level 4 dp			7
	A0J0608-01	H 8081B Pesticides + Add	10/19/20 15:24	1000 1030	5 ✓				100	MW-4-1020 ✓	#			7
	A0J0608-02	H 8081B Pesticides + Add	10/19/20 15:24	1000 1070	5 ✓				100	MW-5-1020 ✓	#			7
	A0J0630-03	G 8081B Pesticides	10/19/20 15:24	1000 800	5 ✓				100	SB-02-RGW-101620 ✓	D #			7
	A0J0630-05	G 8081B Pesticides	10/19/20 15:24	1000 800	5 ✓				100	SB-3A-RGW-101620 ✓	D #			7

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20B017	02/01/21	Glass Wool	A20H478	02/28/21	Mix AB Pesticide Matrix Spike	A20J060	03/09/21	8082 PCB Surrogate Spike
A20F023	11/29/22	Sodium Sulfate Lot # 196476	A20I265	03/14/21	8081 OGC 9-42 Pesticide Spike			
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

3x rinse ✓ *cas* 10-19-2020

Witness: *cas* 10/19/2020

Bottle Check: *cas* 10/19/2020

D = Decanted

= 2mL exchanged in Hexane

cas
Prepared By: _____ Date: 10-19-2020
cas
_____ Date: 10-20-2020

cas
Reviewed By: _____ Date: 10/19/2020
cas
_____ Date: 10/20/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0J21047**

Instrument: **DUALECD8**

Date: **10/21/20 11:01**

Calibration: **A0J2107**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0J21047-BKD1	Water	QC	QC				A20H479
2	0J21047-BKD2	Water	QC	QC				A20H479
3	0J21047-CCV1	Water	QC	QC				A20H475
4	0J21047-CCV2	Water	QC	QC				A20I185
5	0J21047-CCB1	Water	QC	QC				A20J148
6	0100638-BLK1	Water	QC	QC		0100638		
7	0100638-BS1	Water	QC	QC		0100638		
8	0100638-BSD1	Water	QC	QC		0100638		
9	0100638-BS2	Water	QC	QC		0100638		
10	0100638-BSD2	Water	QC	QC		0100638		
11	A0J0630-03	Water	8081B Pesticides		10/21/20	0100638		
12	A0J0630-05	Water	8081B Pesticides		10/21/20	0100638		
13	0J21047-CCV3	Water	QC	QC				A20H476
14	0J21047-CCV4	Water	QC	QC				A20I186
15	0J21047-CCB2	Water	QC	QC				A20J148
16	A0J0472-01	Water	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/26/20	0100638		
17	A0J0545-08	Water	8081B Pesticides + Add		10/28/20	0100638		
18	A0J0608-01	Water	8081B Pesticides + Add		10/29/20	0100638		
19	A0J0608-02	Water	8081B Pesticides + Add		10/29/20	0100638		
20	0J21047-CCV5	Water	QC	QC				A20H475
21	0J21047-CCV6	Water	QC	QC				A20I185
22	0J21047-CCB3	Water	QC	QC				A20J148

Data Entered By/Date: MJB 10/21/20

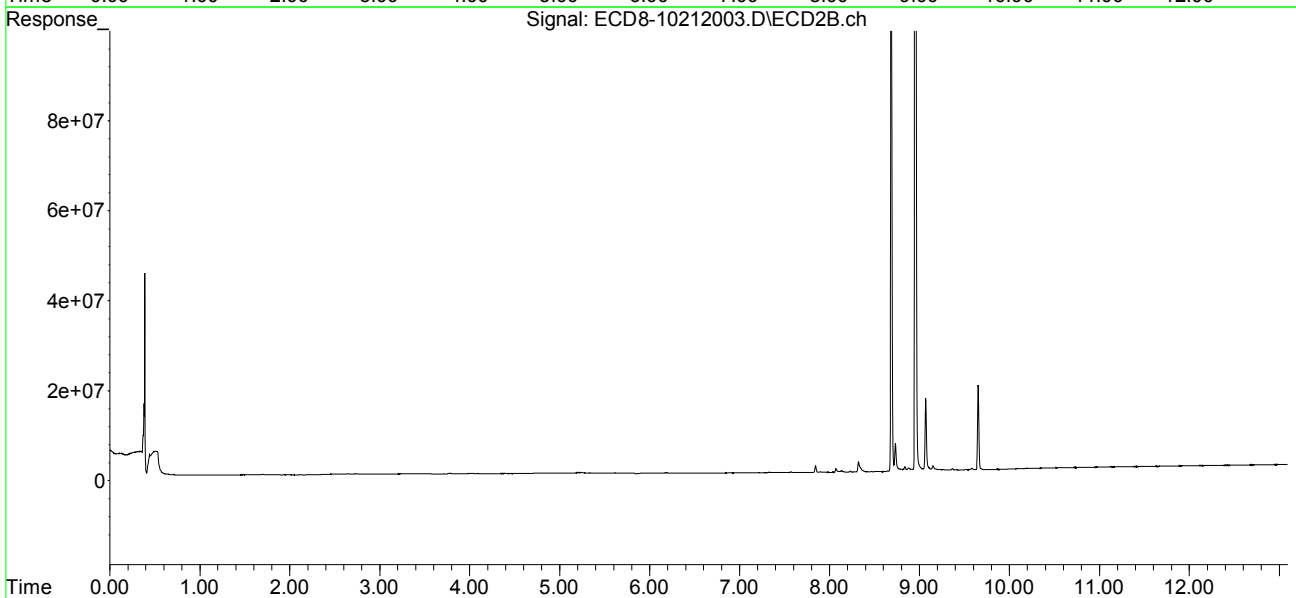
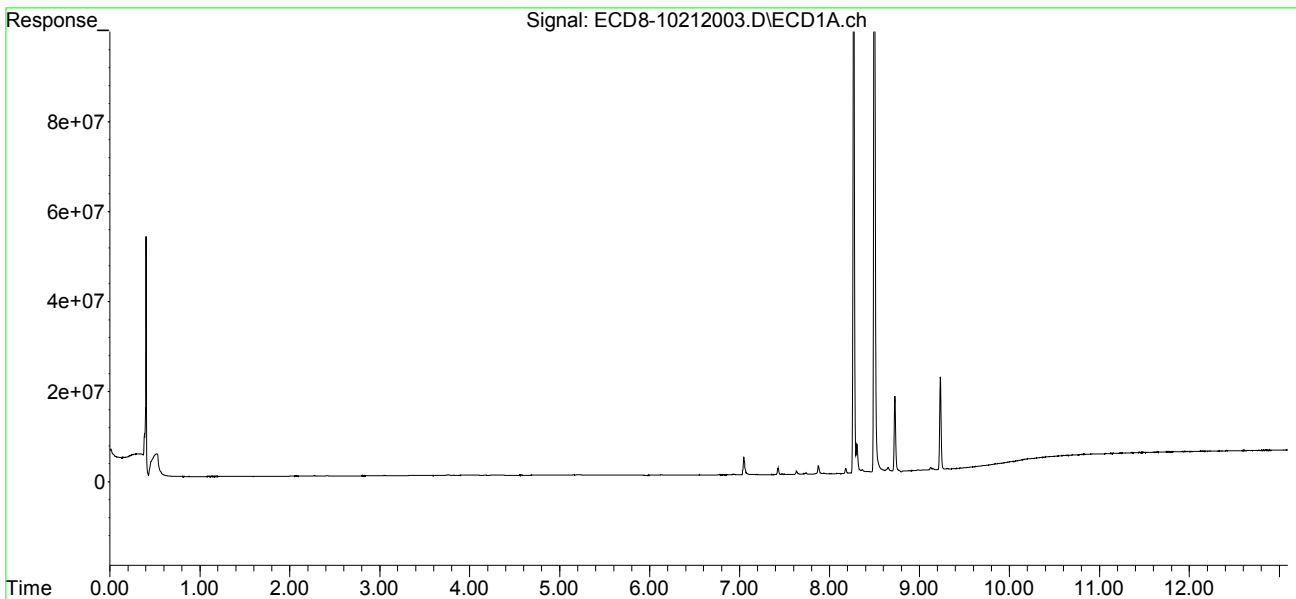
Comments: **COMPLETE**

Data Reviewed By/Date: MKZ 10/22/2020

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 11:48
Operator : MJB
Sample : 0J21047-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 12:02:32 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_2010015.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 12:38
 Operator : MJB
 Sample : 0J21047-BKD2
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 12:52:32 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_2010015.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	7.878	14654062	NoCal	ng/mL
2) Endrin	8.273	1369328782	NoCal	ng/mL
3) 4,4'-DDD	8.306	68411227	NoCal	ng/mL
4) 4,4'-DDT	8.502	3012277529	NoCal	ng/mL
5) Endrin Aldehyde	8.731	164466232	NoCal	ng/mL
6) Endrin Ketone	9.237	192779415	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.322	35459371	NoCal	ng/mL
9) Endrin [2C]	8.689	1357134970	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.733	63471711	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.071	149612590	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.958	3123563936	NoCal	ng/mL
13) Endrin Ketone [2C]	9.656	172524824	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

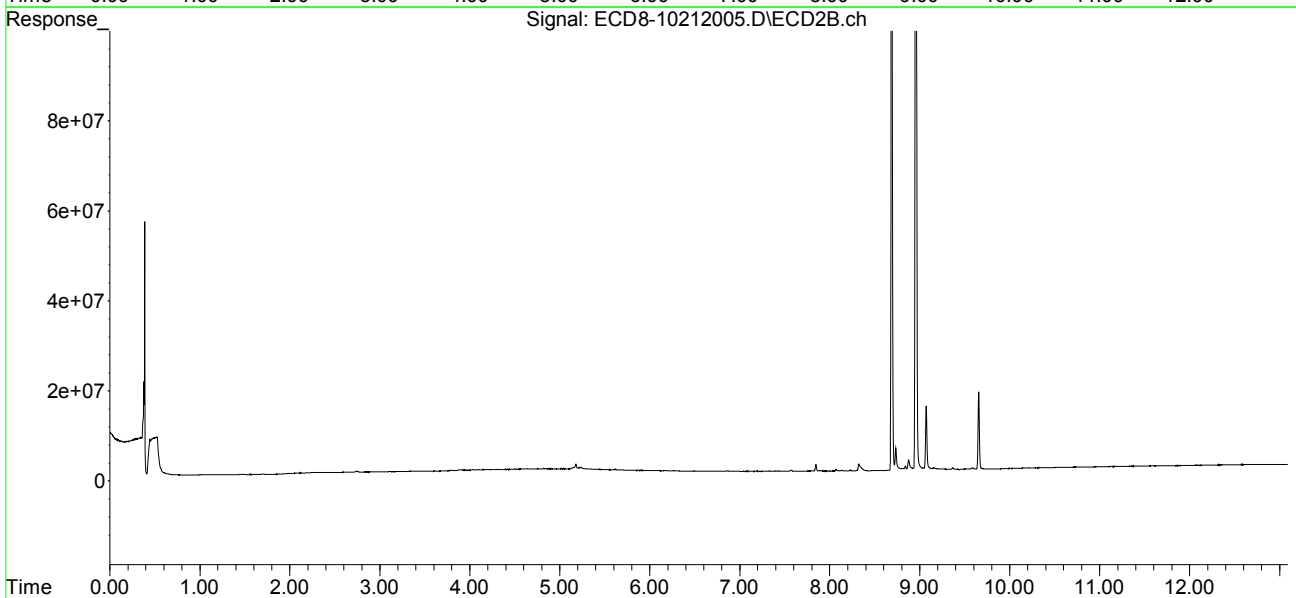
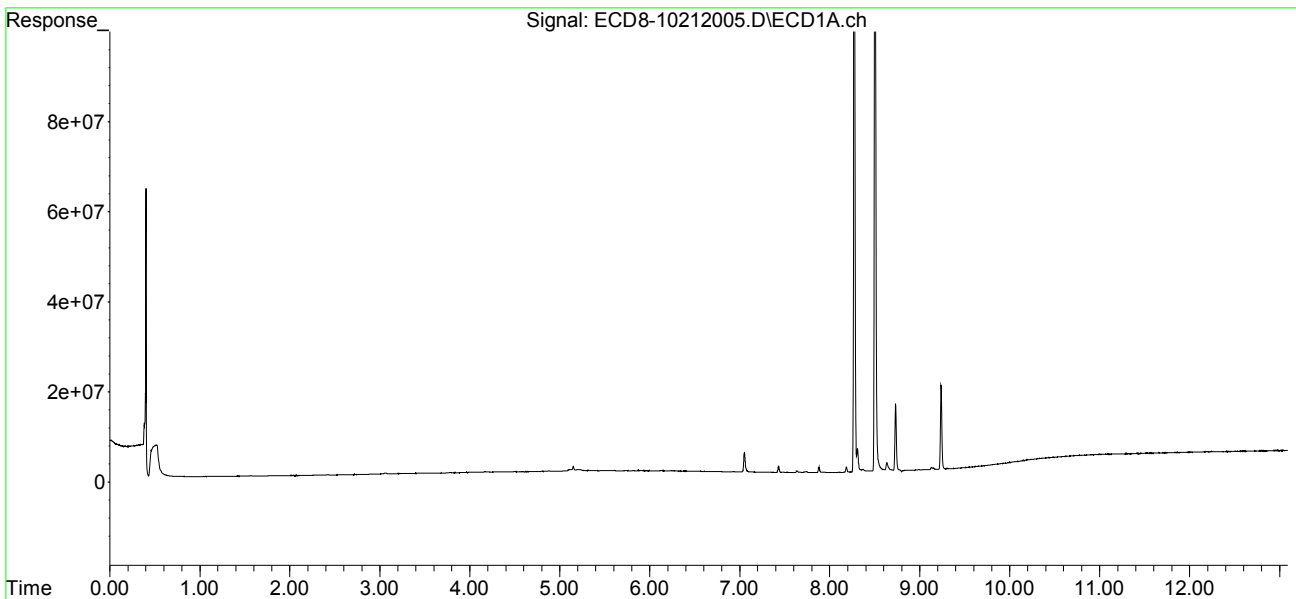
(m)=manual int.

Replaced inlet liner.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 12:38
Operator : MJB
Sample : 0J21047-BKD2
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 12:52:32 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_2010015.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 12:55
 Operator : MJB
 Sample : 0J21047-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:00:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	5.987	171.4E6	202.0E6	48.476	50.494
22) S DCBP (S)	9.903	10.503	126.8E6	116.5E6	50.610	48.163
Target Compounds						
2) a-BHC	6.234	6.583	243.9E6	283.3E6	51.764	52.972
3) g-BHC	6.520	6.899	212.6E6	243.4E6	52.821	52.344
4) b-BHC	6.601	6.965	80441654	98611713	51.537	50.399
5) Heptachlor	6.919	7.271	205.6E6	241.9E6	50.660	52.851
6) d-BHC	6.755	7.213	184.7E6	230.7E6	54.778	52.057
7) Aldrin	7.162	7.535	202.6E6	229.5E6	51.567	53.759
8) Heptachlo...	7.630	7.969	185.9E6	208.6E6	50.840	51.946
9) trans-Chl...	7.723	8.109	190.8E6	212.1E6	51.808	53.284
10) cis-Chlor...	7.821	8.215	184.6E6	197.7E6	50.966	50.965
11) Endosulfa...	7.924	8.265	172.5E6	183.4E6	50.703	50.994
12) 4,4'-DDE	7.872	8.318	173.7E6	203.2E6	55.108	53.828
13) Dieldrin	8.098	8.464	194.1E6	211.8E6	51.653	51.513
14) Endrin	8.268	8.687	142.9E6	153.3E6	52.121	53.006
15) 4,4'-DDD	8.302	8.731	144.9E6	165.7E6	53.281	52.326
16) Endosulfa...	8.430	8.834	150.8E6	161.9E6	51.186	49.724
17) 4,4'-DDT	8.497	8.955	153.2E6	164.1E6	55.517	53.054
18) Endrin Al...	8.725	9.069	143.9E6	149.7E6	50.392	49.165
19) Endosulfa...	9.030	9.263	149.2E6	162.9E6	49.937	49.016
20) Methoxychlor	8.830	9.421	72137032	76889525	52.403	50.100
21) Endrin Ke...	9.233	9.654	187.4E6	195.5E6	50.684	50.042
23) Hexachlor...	3.474	3.705	66333	21743	BelowCal	BelowCal
24) Hexachlor...	6.070	6.449	346407	21417	0.104	0.005 #
25) Oxychlorane	7.565	7.890	833996	118319	0.258	0.034 #
26) 2,4'-DDE	7.630	8.109	185.9E6	212.1E6	87.390	87.398
27) trans-Non...	7.821	8.173	184.6E6	784488	51.093	0.199 #
28) 2,4'-DDD	0.000	8.464	0	211.8E6	N.D.	94.870 #
29) 2,4'-DDT	8.179	8.687	570383	153.3E6	0.266	65.513 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 12:55
 Operator : MJB
 Sample : 0J21047-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:00:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

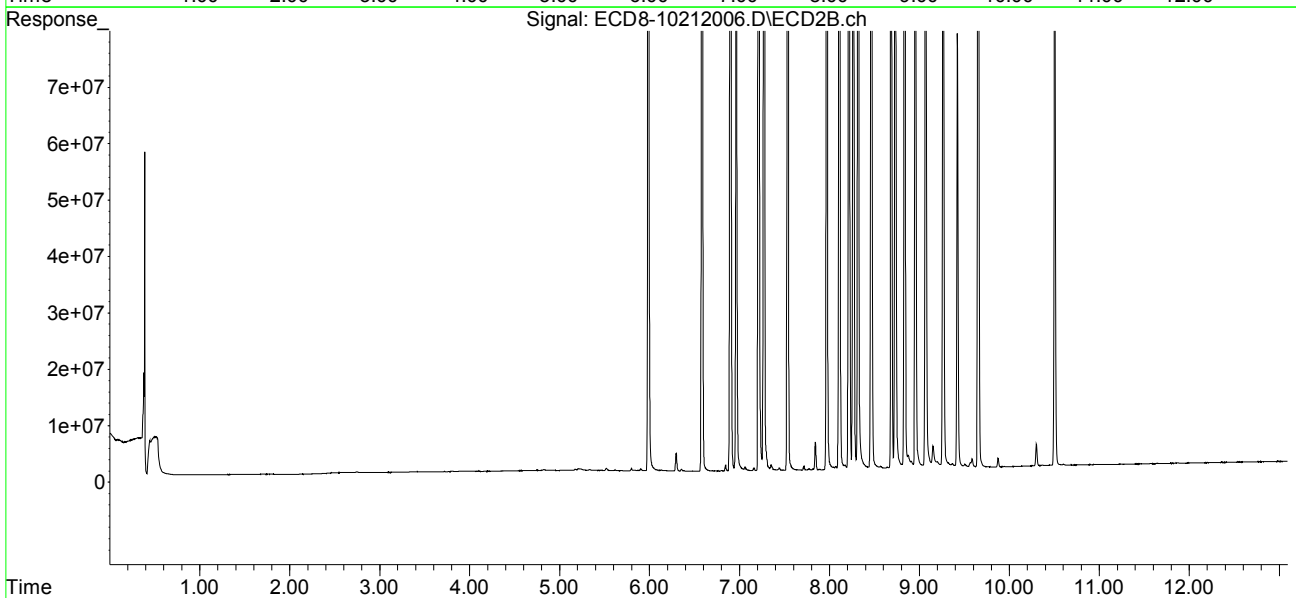
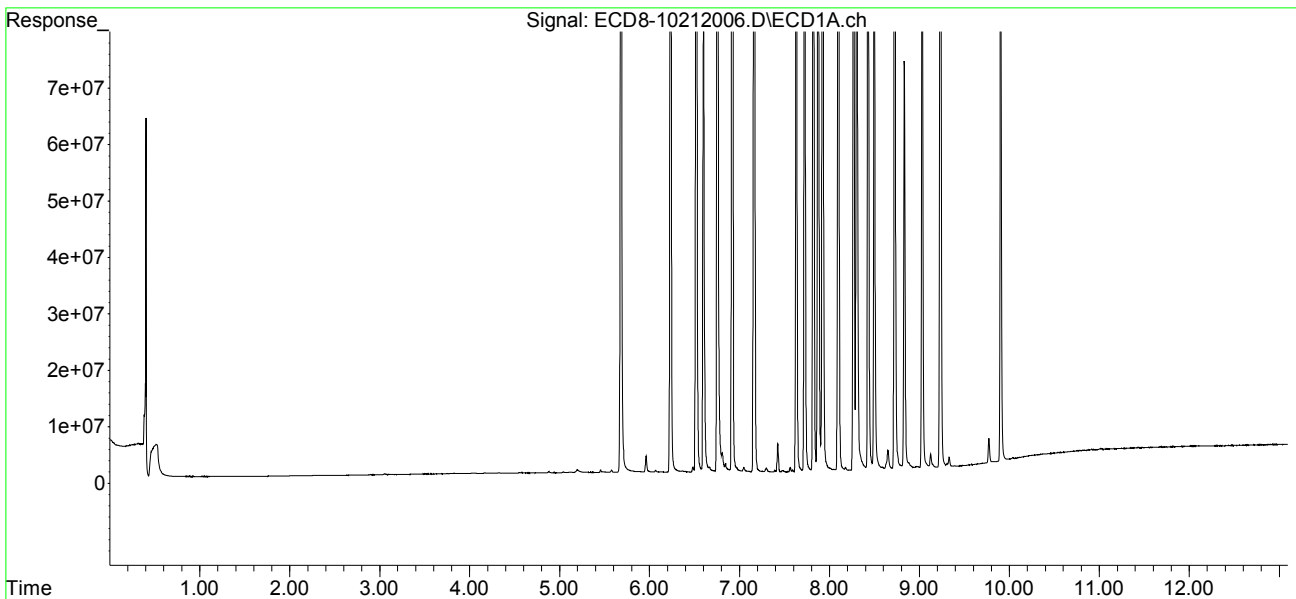
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.302	8.731	144.9E6	165.7E6	36.745	38.740
31)	Mirex	8.965	9.654	235302	195.5E6	BelowCal	78.196
32)	Chlordane...	7.723	8.109	190.8E6	212.1E6	463.141	435.363
33)	Chlordane...	7.821	8.215	184.6E6	197.7E6	440.436	477.604
34)	Chlordane...	0.000	8.874	0	2387950	N.D.	17.656 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.821	8.464f	184.6E6	211.8E6	12409.484	5573.366 #
37)	Toxaphene...	8.098	0.000	194.1E6	0	5891.314	N.D. #
38)	Toxaphene...	8.430	8.834	150.8E6	161.9E6	2174.800	2301.940
39)	Toxaphene...	8.649	8.907	3330926	1275313	44.758	10.705 #
40)	Toxaphene...	8.881	9.069	982335	149.7E6	16.548	2173.348 #
41)	Toxaphene...	8.965	9.421f	235302	76889525	3.495	1026.813 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 12:55
Operator : MJB
Sample : 0J21047-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:00:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:11
 Operator : MJB
 Sample : 0J21047-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e MJB 10/21/20
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:02:28 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653f	6.025f	1262135	1349115	0.357	0.337
22) S DCBP (S)	0.000	10.506	0	103039	N.D.	0.043 #
Target Compounds						
2) a-BHC	6.227	6.579	297602	243052	0.063	0.045 #
3) g-BHC	6.522	6.896	82559	42839	0.021	0.009 #
4) b-BHC	6.613	6.973	57529	62401	0.037	0.032
5) Heptachlor	6.921	7.273	369916	409015	0.091	0.089
6) d-BHC	6.761	7.215	53381	50267	0.075	0.079
7) Aldrin	7.160	7.532	38407	34323	0.010	0.008
8) Heptachlo...	7.621	8.008f	106.5E6	571433	29.118	0.142 #
9) trans-Chl...	7.723	8.095	672108	120.7E6	0.183	30.328 #
10) cis-Chlor...	7.807	8.175f	174.6E6	187.0E6	48.194	48.204
11) Endosulfa...	7.917	8.279	544098	331610	0.160	0.092 #
12) 4,4'-DDE	0.000	8.326	0	423199	N.D.	0.173 #
13) Dieldrin	8.074f	8.466	1246387	105.0E6	0.332	26.444 #
14) Endrin	8.286	8.688	186.2E6	121.2E6	67.899	42.812 #
15) 4,4'-DDD	8.286	8.733	186.2E6	204.3E6	68.466	63.213
16) Endosulfa...	8.436	0.000	151862	0	0.052	N.D. #
17) 4,4'-DDT	8.500	8.945	98793	183087	0.072	0.131 #
18) Endrin Al...	8.727	9.076	144263	248063	BelowCal	BelowCal
19) Endosulfa...	9.065f	9.265	586100	44512	0.196	0.013 #
20) Methoxychlor	8.834	9.423	16933	32082	0.012	BelowCal #
21) Endrin Ke...	9.234	9.643	52264	119.2E6	0.014	30.509 #
23) Hexachlor...	3.475	3.701	193.7E6	235.6E6	59.415	59.344
24) Hexachlor...	6.069	6.452	152.1E6	180.4E6	45.473	45.318
25) Oxychlorane	7.554	7.901	152.3E6	167.0E6	47.156	47.461
26) 2,4'-DDE	7.621	8.095	106.5E6	120.7E6	50.052	49.745
27) trans-Non...	7.807	8.175	174.6E6	187.0E6	48.313	47.432
28) 2,4'-DDD	8.000	8.466	90535624	105.0E6	47.120	49.435
29) 2,4'-DDT	8.180	8.688	108.0E6	121.2E6	50.321	53.027

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:11
 Operator : MJB
 Sample : 0J21047-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:02:28 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

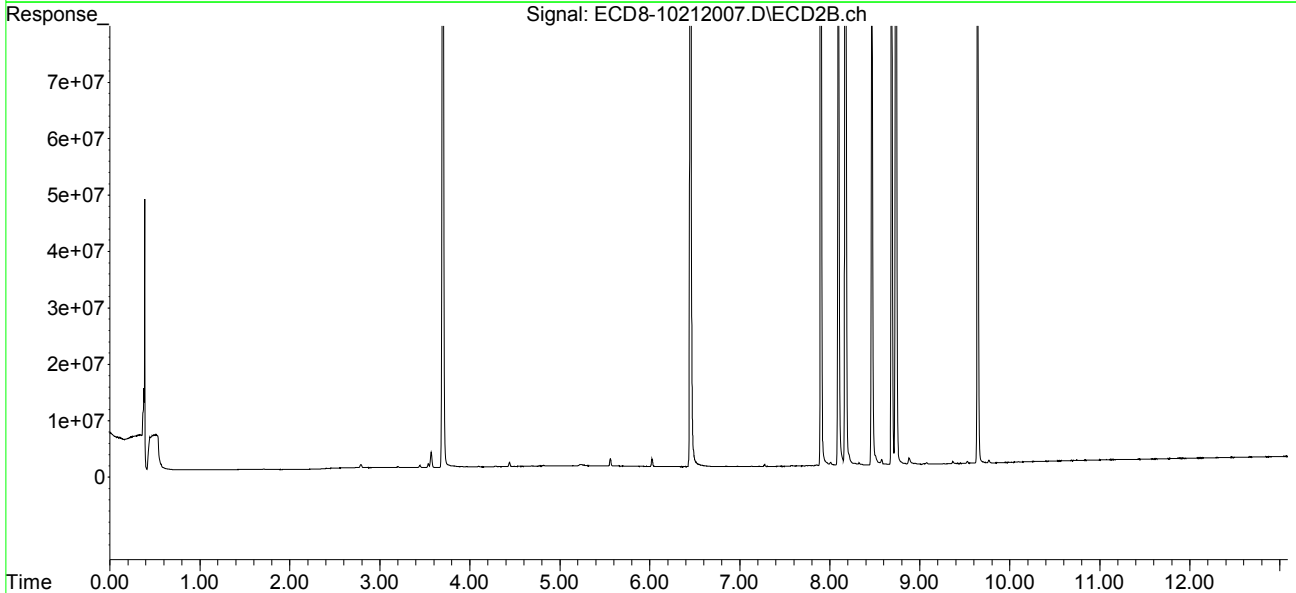
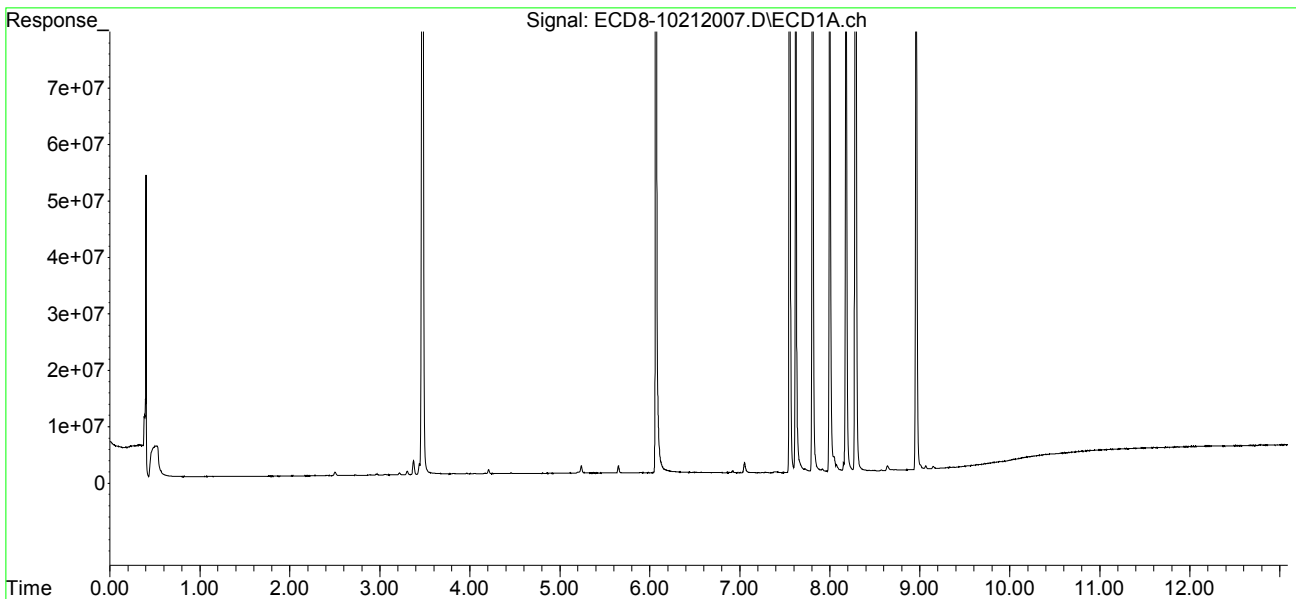
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.733	186.2E6	204.3E6	47.217	47.755
31)	Mirex	8.960	9.643	116.0E6	119.2E6	49.219	48.513
32)	Chlordane...	7.723	8.095	672108	120.7E6	1.632	247.797 #
33)	Chlordane...	7.807	0.000	174.6E6	0	416.475	N.D. #
34)	Chlordane...	0.000	8.881	0	1153310	N.D.	8.527 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.466f	174.6E6	105.0E6	11734.364	2761.681 #
37)	Toxaphene...	8.074f	0.000	1246387	0	37.840	N.D. #
38)	Toxaphene...	8.436	0.000	151862	0	2.191	N.D. #
39)	Toxaphene...	8.639	8.881	870960	1153310	11.703	9.681
40)	Toxaphene...	8.886	9.076	10333	248063	0.174	3.601 #
41)	Toxaphene...	8.960	9.444	116.0E6	31816	1723.571	0.425 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:11
Operator : MJB
Sample : 0J21047-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:02:28 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:28
 Operator : MJB
 Sample : 0J21047-CCB1
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:04:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	5.988	316.9E6	377.9E6	89.615	94.459
22) S DCBP (S)	9.904	10.504	228.6E6	214.9E6	90.995	88.820
Target Compounds						
2) a-BHC	6.263f	6.575	11014	14845	0.002	0.003
3) g-BHC	6.518	6.897	32428	54461	0.008	0.012 #
4) b-BHC	6.599	6.967	182009	74598	0.117	0.038 #
5) Heptachlor	6.911	0.000	291072	0	0.072	N.D. #
6) d-BHC	6.755	7.218	110673	237941	0.094	0.126 #
7) Aldrin	0.000	7.546	0	762580	N.D.	0.179 #
8) Heptachlo...	7.631	0.000	15661	0	0.004	N.D. #
9) trans-Chl...	7.719	8.113	78453	695924	0.021	0.175m#
10) cis-Chlor...	7.809	8.225	15202	257030	0.004	0.066 #
11) Endosulfa...	7.921	8.277	15119	234973	0.004	0.065 #
12) 4,4'-DDE	7.864	8.324	10533	210648	0.003	0.110 #
13) Dieldrin	8.100	8.478	14532	189105	0.004	0.066 #
14) Endrin	8.274	8.678	14547	155803	0.005	0.087 #
15) 4,4'-DDD	8.306	8.736	9063	118996	0.003	0.043 #
16) Endosulfa...	8.430	8.838	31025	102685	0.011	0.032 #
17) 4,4'-DDT	8.495	0.000	55412	0	0.054	N.D. #
18) Endrin Al...	0.000	9.044f	0	308009	N.D.	BelowCal
19) Endosulfa...	9.036	9.266	32559	42323	0.011	0.013
20) Methoxychlor	8.837	9.421	34291	36984	0.025	BelowCal #
21) Endrin Ke...	9.237	9.657	39813	57920	0.011	0.015 #
23) Hexachlor...	3.476	3.688	5450	10598	BelowCal	BelowCal
24) Hexachlor...	6.071	6.451	2261106	30548	0.676	0.008 #
25) Oxychlorane	7.554	7.898	10812	1253742	0.003	0.356 #
26) 2,4'-DDE	7.631	8.120f	15661	2356178	0.007	0.971m#
27) trans-Non...	7.809	8.192	15202	261650	0.004	0.066 #
28) 2,4'-DDD	8.033f	8.478	10161	189105	0.005	BelowCal #
29) 2,4'-DDT	8.177	8.678	18631	155803	0.009	BelowCal #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:28
 Operator : MJB
 Sample : 0J21047-CCB1
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:04:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

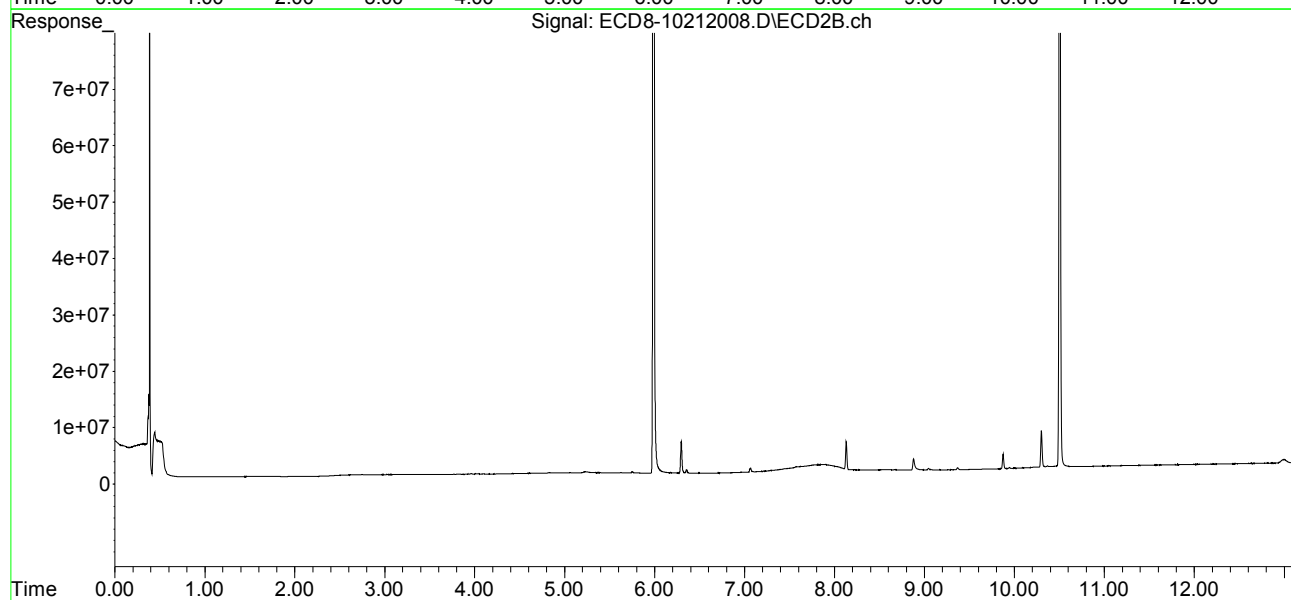
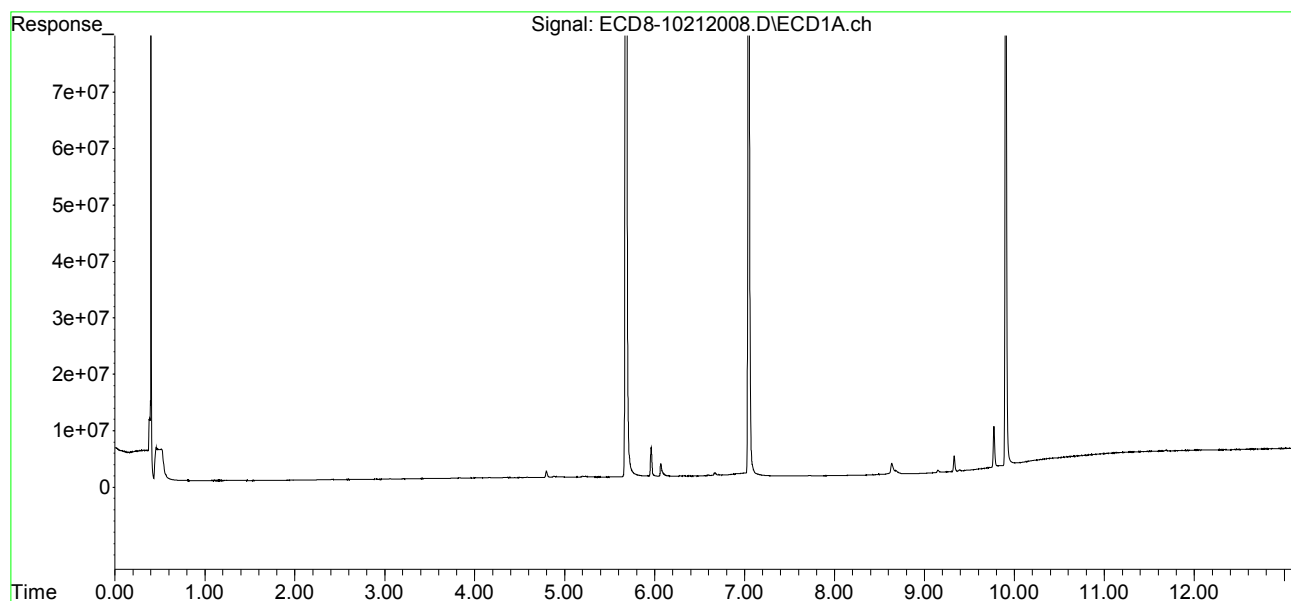
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.736	11562	118996	0.003	0.028 #
31)	Mirex	8.954	9.657	50630	57920	BelowCal	BelowCal
32)	Chlordane...	7.719	8.129	78453	5287246	0.190	10.854 #
33)	Chlordane...	7.809	8.225	15202	257030	0.036	0.621 #
34)	Chlordane...	8.386	8.879	21481	2069551	0.167	15.302 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.809	8.425	15202	179973	1.022	4.735 #
37)	Toxaphene...	8.100	8.787	14532	109784	0.441	2.329 #
38)	Toxaphene...	8.430	8.838	31025	102685	0.448	1.460 #
39)	Toxaphene...	8.636f	8.879	1972667	2069551	26.507	17.372 #
40)	Toxaphene...	8.886	9.044f	13394	308009	0.226	4.471 #
41)	Toxaphene...	8.954	9.421f	50630	36984	0.752	0.494 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:28
Operator : MJB
Sample : 0J21047-CCB1
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

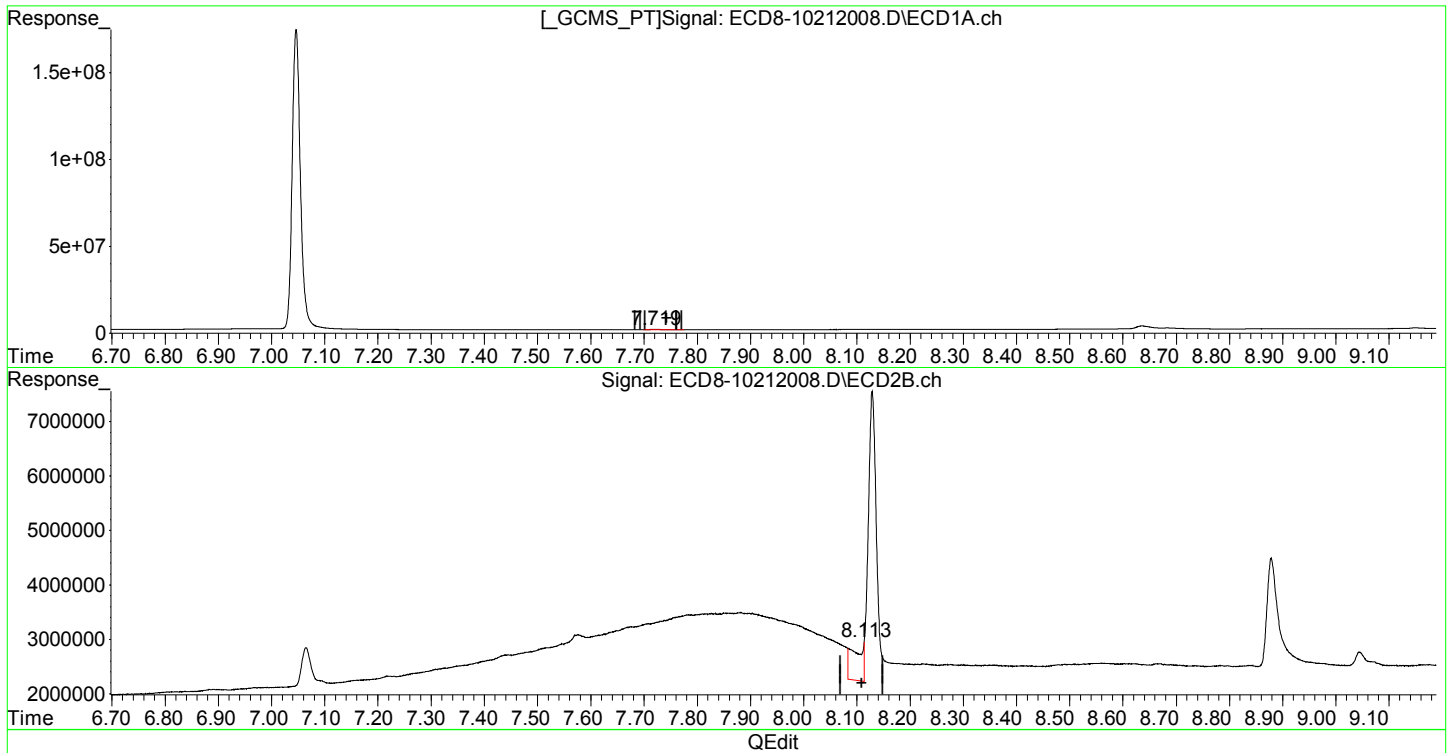
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:04:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:28
Operator : MJB
Sample : 0J21047-CCB1
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:04:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(9) trans-Chlordane
7.719min 0.021 ng/mL
response 78453

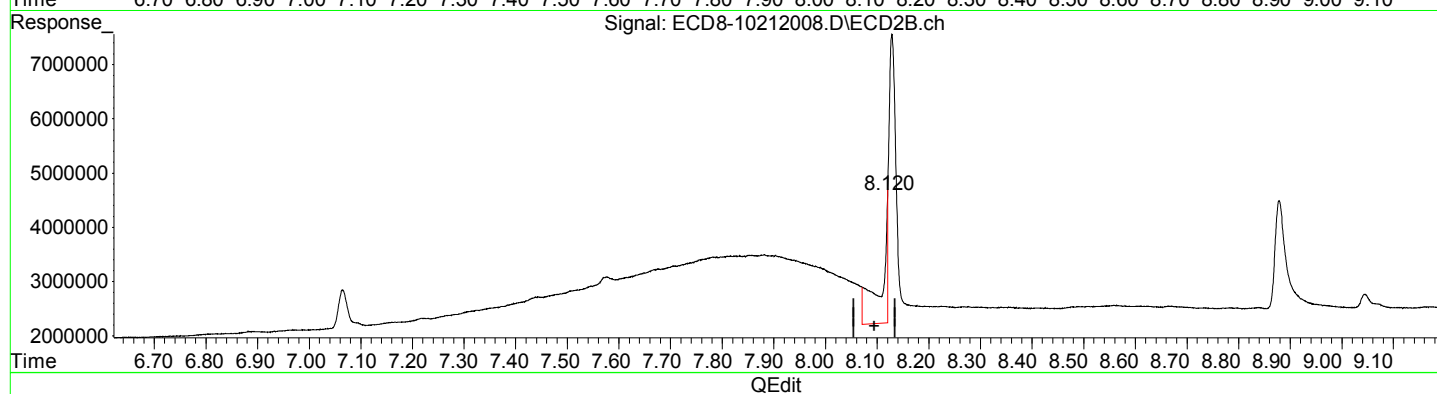
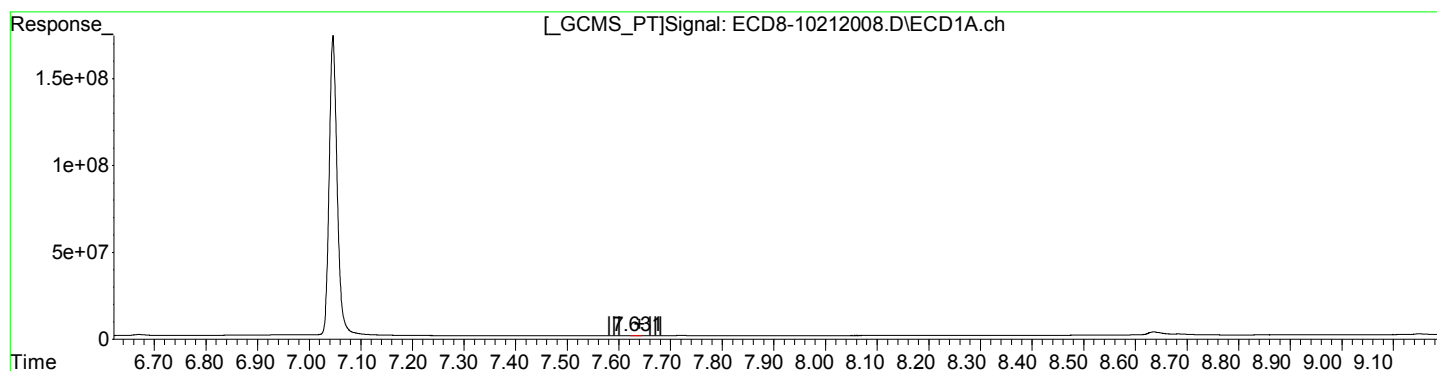
MJB 10/21/20

(9) trans-Chlordane #2
8.113min 0.175 ng/mL m
response 695924

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:28
Operator : MJB
Sample : 0J21047-CCB1
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:04:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.631min 0.007 ng/mL
response 15661

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(26) 2,4'-DDE #2
8.120min 0.971 ng/mL m
response 2356178

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:28
 Operator : MJB
 Sample : 0J21047-CCB1
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:04:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	5.988	316.9E6	377.9E6	89.615	94.459
22) S DCBP (S)	9.904	10.504	228.6E6	214.9E6	90.995	88.820
Target Compounds						
2) a-BHC	6.263f	6.575	11014	14845	0.002	0.003
3) g-BHC	6.518	6.897	32428	54461	0.008	0.012 #
4) b-BHC	6.599	6.967	182009	74598	0.117	0.038 #
5) Heptachlor	6.911	0.000	291072	0	0.072	N.D. #
6) d-BHC	6.755	7.218	110673	237941	0.094	0.126 #
7) Aldrin	0.000	7.546	0	762580	N.D.	0.179 #
8) Heptachlo...	7.631	0.000	15661	0	0.004	N.D. #
9) trans-Chl...	7.719	8.129f	78453	5287246	0.021	1.328 #
10) cis-Chlor...	7.809	8.225	15202	257030	0.004	0.066 #
11) Endosulfa...	7.921	8.277	15119	234973	0.004	0.065 #
12) 4,4'-DDE	7.864	8.324	10533	210648	0.003	0.110 #
13) Dieldrin	8.100	8.478	14532	189105	0.004	0.066 #
14) Endrin	8.274	8.678	14547	155803	0.005	0.087 #
15) 4,4'-DDD	8.306	8.736	9063	118996	0.003	0.043 #
16) Endosulfa...	8.430	8.838	31025	102685	0.011	0.032 #
17) 4,4'-DDT	8.495	0.000	55412	0	0.054	N.D. #
18) Endrin Al...	0.000	9.044f	0	308009	N.D.	BelowCal
19) Endosulfa...	9.036	9.266	32559	42323	0.011	0.013
20) Methoxychlor	8.837	9.421	34291	36984	0.025	BelowCal #
21) Endrin Ke...	9.237	9.657	39813	57920	0.011	0.015 #
23) Hexachlor...	3.476	3.688	5450	10598	BelowCal	BelowCal
24) Hexachlor...	6.071	6.451	2261106	30548	0.676	0.008 #
25) Oxychlorane	7.554	7.898	10812	1253742	0.003	0.356 #
26) 2,4'-DDE	7.631	8.129f	15661	5287246	0.007	2.179 #
27) trans-Non...	7.809	8.192	15202	261650	0.004	0.066 #
28) 2,4'-DDD	8.033f	8.478	10161	189105	0.005	BelowCal #
29) 2,4'-DDT	8.177	8.678	18631	155803	0.009	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:28
 Operator : MJB
 Sample : 0J21047-CCB1
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:04:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

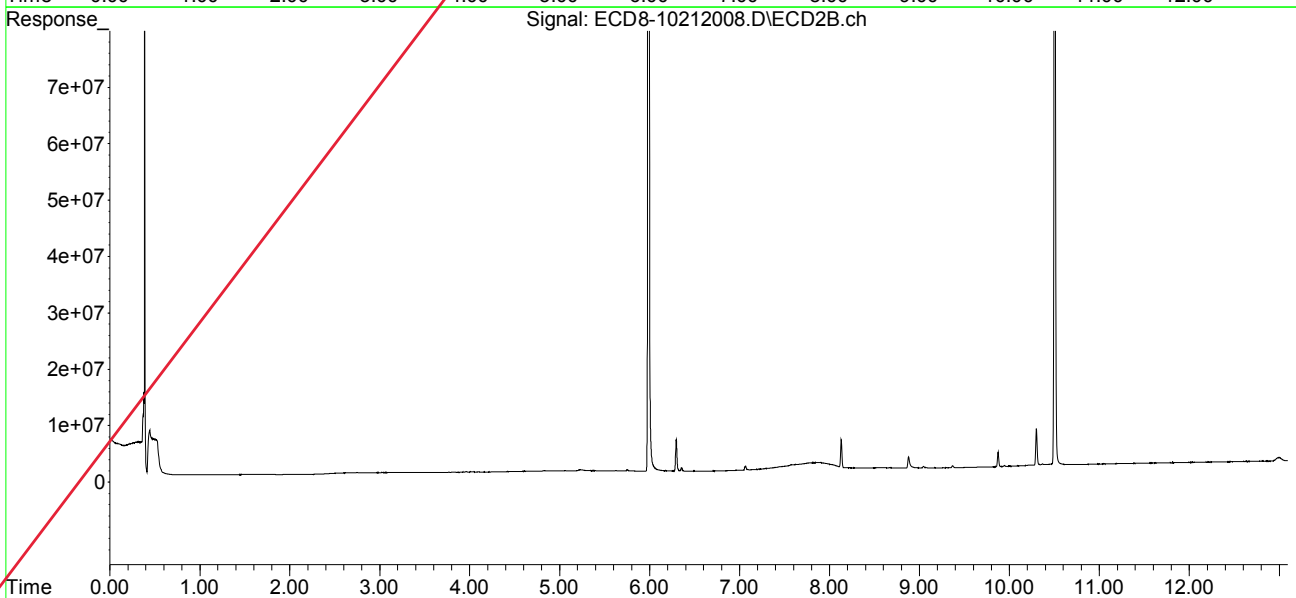
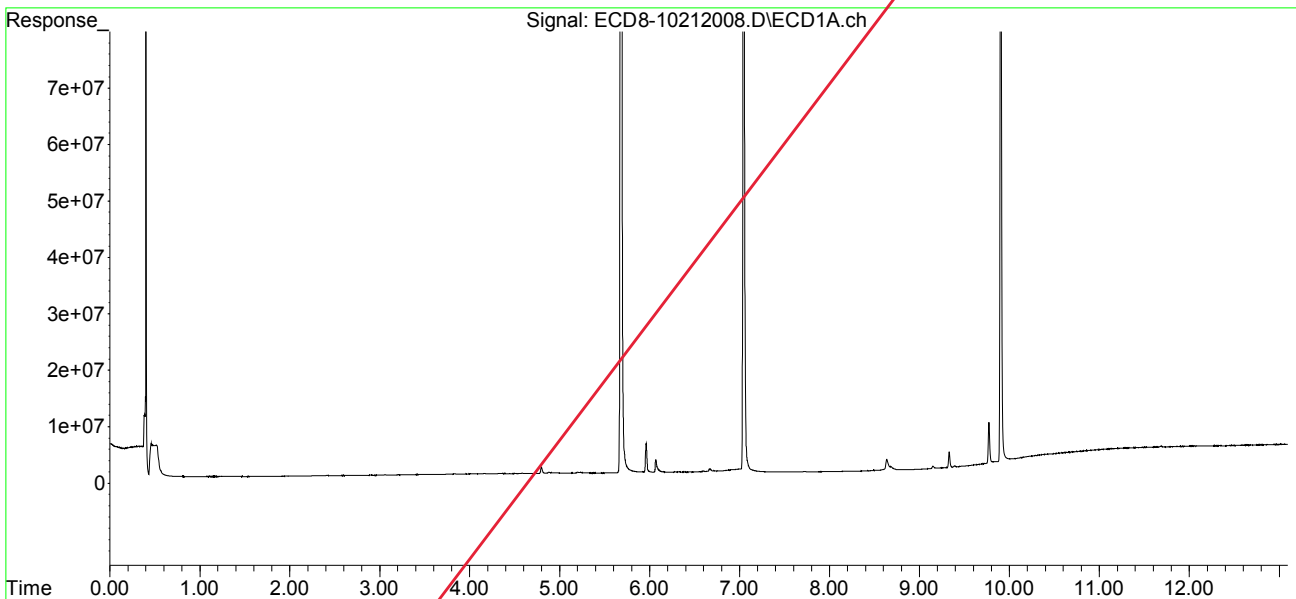
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.736	11562	118996	0.003	0.028 #
31)	Mirex	8.954	9.657	50630	57920	BelowCal	BelowCal
32)	Chlordane...	7.719	8.129	78453	5287246	0.190	10.854 #
33)	Chlordane...	7.809	8.225	15202	257030	0.036	0.621 #
34)	Chlordane...	8.386	8.879	21481	2069551	0.167	15.302 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.809	8.425	15202	179973	1.022	4.735 #
37)	Toxaphene...	8.100	8.787	14532	109784	0.441	2.329 #
38)	Toxaphene...	8.430	8.838	31025	102685	0.448	1.460 #
39)	Toxaphene...	8.636f	8.879	1972667	2069551	26.507	17.372 #
40)	Toxaphene...	8.886	9.044f	13394	308009	0.226	4.471 #
41)	Toxaphene...	8.954	9.421f	50630	36984	0.752	0.494 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:28
Operator : MJB
Sample : 0J21047-CCB1
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:04:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:45
 Operator : MJB
 Sample : 0100638-BLK1
 Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
 ALS Vial : 8 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:06:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	146.7E6	170.2E6	41.493	42.553
22) S DCBP (S)	9.903	10.504	180.0E6	168.8E6	71.754	69.779
Target Compounds						
2) a-BHC	6.245	6.581	336132	116143	0.071m	0.022 #
3) g-BHC	6.517	6.896	195634	55761	0.049	0.012 #
4) b-BHC	6.606	6.967	187176	48952	0.120	0.025 #
5) Heptachlor	6.914	7.277	260157	147877	0.064	0.032 #
6) d-BHC	6.758	7.213	176827	103844	0.116	0.093
7) Aldrin	0.000	7.536	0	160733	N.D.	0.038m#
8) Heptachlo...	7.629	7.965	62034	213536	0.017	0.053 #
9) trans-Chl...	7.720	8.129f	123404	1029757	0.034	0.259 #
10) cis-Chlor...	7.823	8.219	33360	52305	0.009	0.013 #
11) Endosulfa...	7.928	8.279	26822	117612	0.008	0.033 #
12) 4,4'-DDE	7.859	8.318	104087	39665	0.033	0.059 #
13) Dieldrin	8.108	8.452	209628	352335	0.056m	0.109 #
14) Endrin	8.271	8.689	60519	37346	0.022	0.041 #
15) 4,4'-DDD	8.271f	8.735	60519	19394	0.022	0.008 #
16) Endosulfa...	8.427	8.836	18703	34811	0.006	0.011 #
17) 4,4'-DDT	8.502	8.941	21523	65634	0.041	0.088 #
18) Endrin Al...	8.729	9.065	95085	152177	BelowCal	BelowCal
19) Endosulfa...	9.033	9.264	25205	37625	0.008	0.011 #
20) Methoxychlor	8.843	9.424	29440	12180	0.021	BelowCal #
21) Endrin Ke...	9.235	9.654	18808	443322	0.005	0.113 #
23) Hexachlor...	3.472	3.687	899101	1124600	0.069	0.120m#
24) Hexachlor...	6.069	6.451	816069	177781	0.244	0.045 #
25) Oxychlorane	7.541	7.896	75059	274989	0.023	0.078 #
26) 2,4'-DDE	7.629	8.129f	62034	1029757	0.029	0.424 #
27) trans-Non...	7.823	8.174	33360	66497	0.009	0.017 #
28) 2,4'-DDD	8.025f	8.452	54256	352335	0.028	BelowCal #
29) 2,4'-DDT	8.171	8.689	40101	37346	0.019	BelowCal #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:45
 Operator : MJB
 Sample : 0100638-BLK1
 Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:06:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

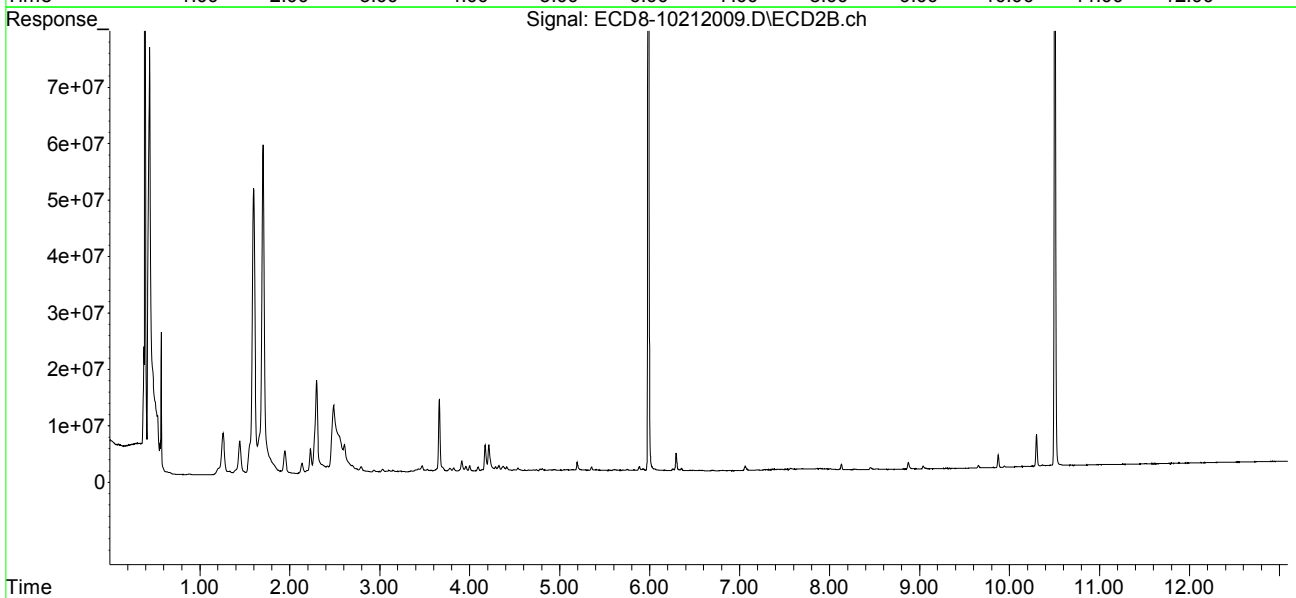
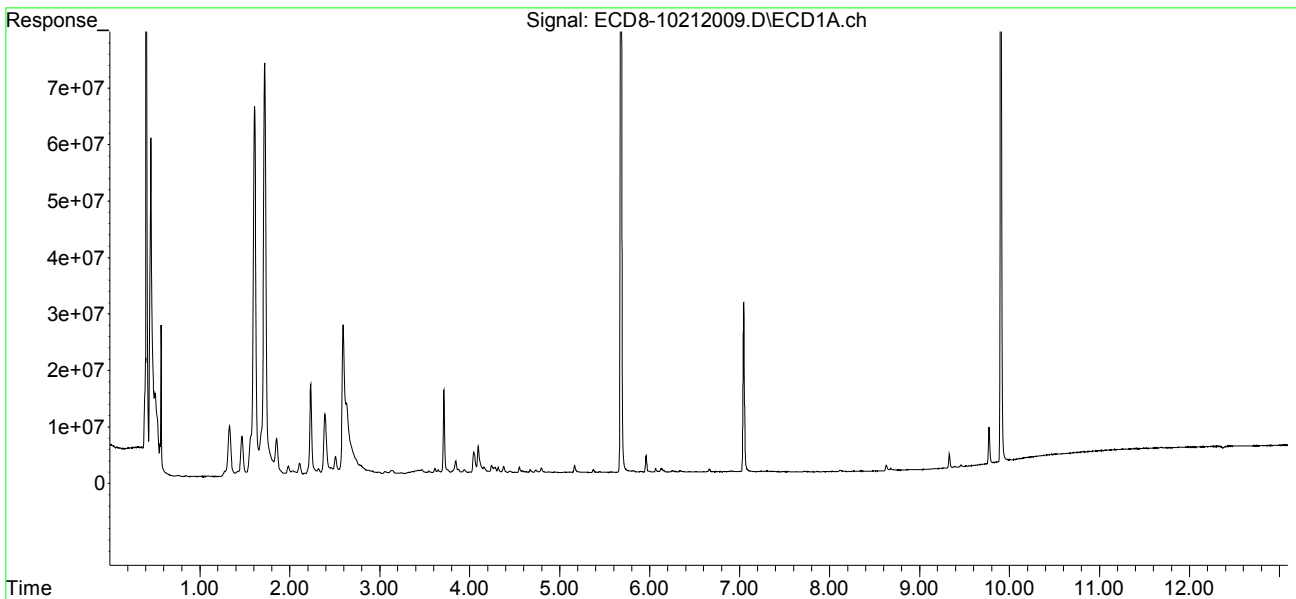
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.271	8.735	60519	19394	0.015	0.005 #
31)	Mirex	8.952	9.654	29372	443322	BelowCal	BelowCal
32)	Chlordane...	7.720	8.129	123404	1029757	0.300	2.114 #
33)	Chlordane...	7.823	8.219	33360	52305	0.080	0.126 #
34)	Chlordane...	8.356f	8.875	49725	1211352	0.386	8.956 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.823	8.452	33360	352335	2.242	9.271 #
37)	Toxaphene...	8.115	8.794	237069	28578	7.197	0.606 #
38)	Toxaphene...	8.427	8.819	18703	41326	0.270	0.588 #
39)	Toxaphene...	8.679f	8.875	458662	1211352	6.163	10.168 #
40)	Toxaphene...	8.888	9.065	81087	152177	1.366	2.209 #
41)	Toxaphene...	8.952	9.424	29372	12180	0.436	0.163 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:45
Operator : MJB
Sample : 0100638-BLK1
Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
ALS Vial : 8 Sample Multiplier: 1

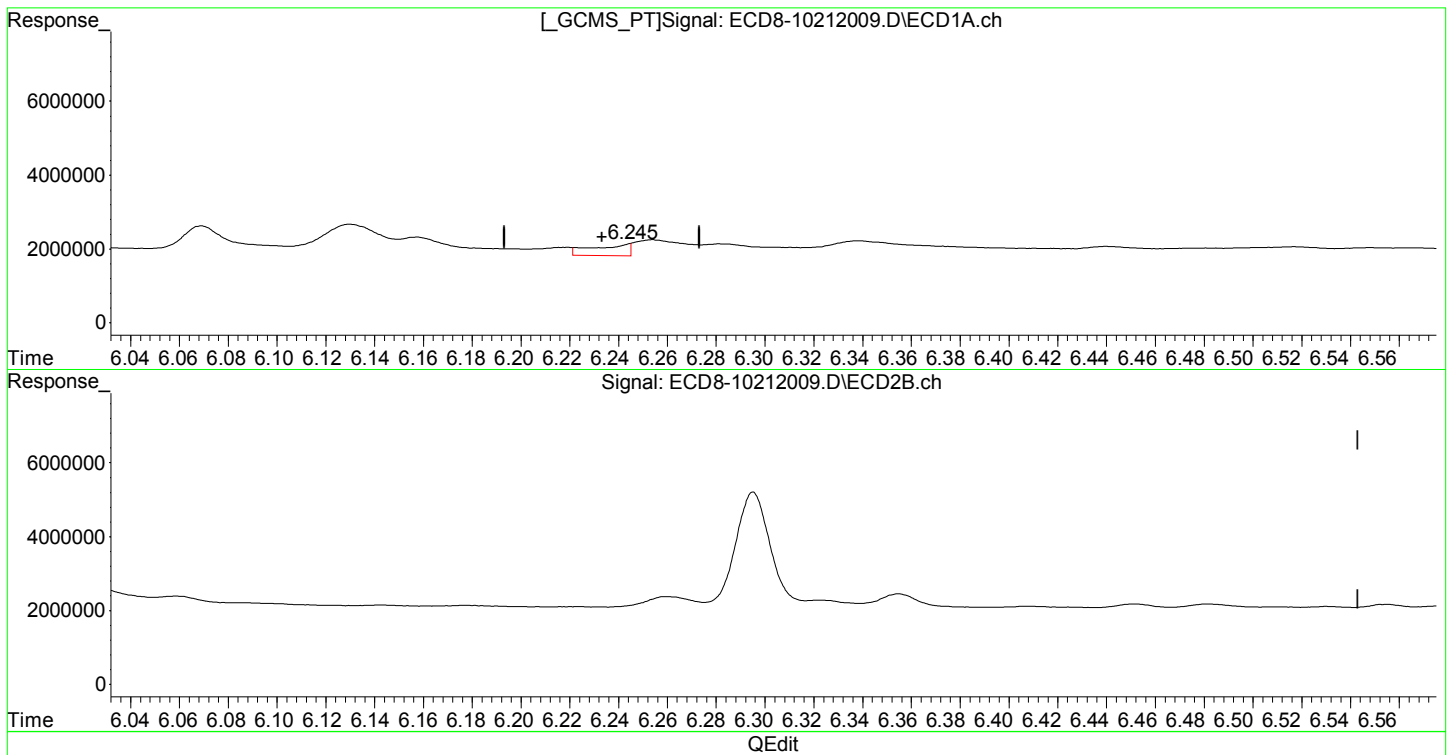
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:06:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:45
Operator : MJB
Sample : 0100638-BLK1
Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:06:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(2) a-BHC
6.245min 0.071 ng/mL m
response 336132

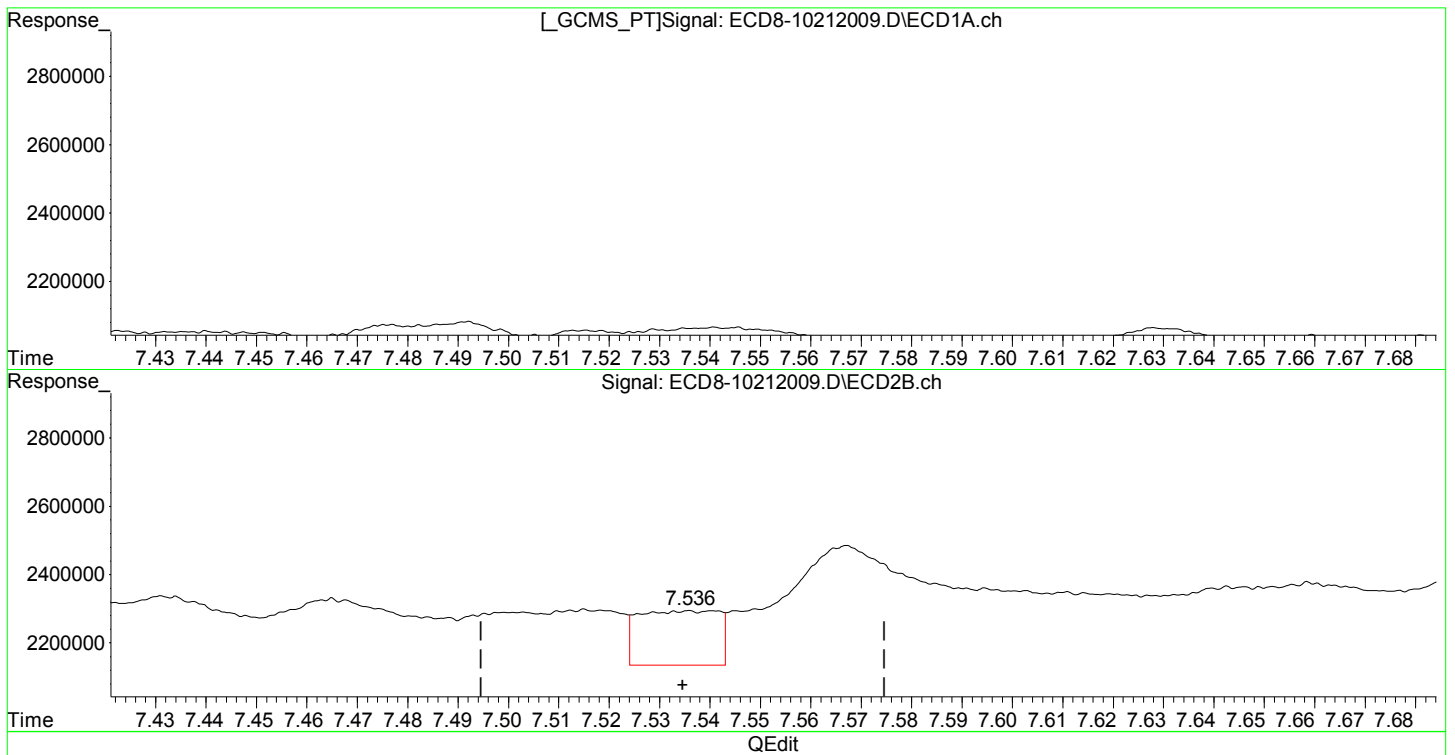
MJB 10/21/20

(2) a-BHC #2
6.581min 0.022 ng/mL
response 116143

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:45
Operator : MJB
Sample : 0100638-BLK1
Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:06:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(7) Aldrin
0.000min 0.000 ng/mL
response 0

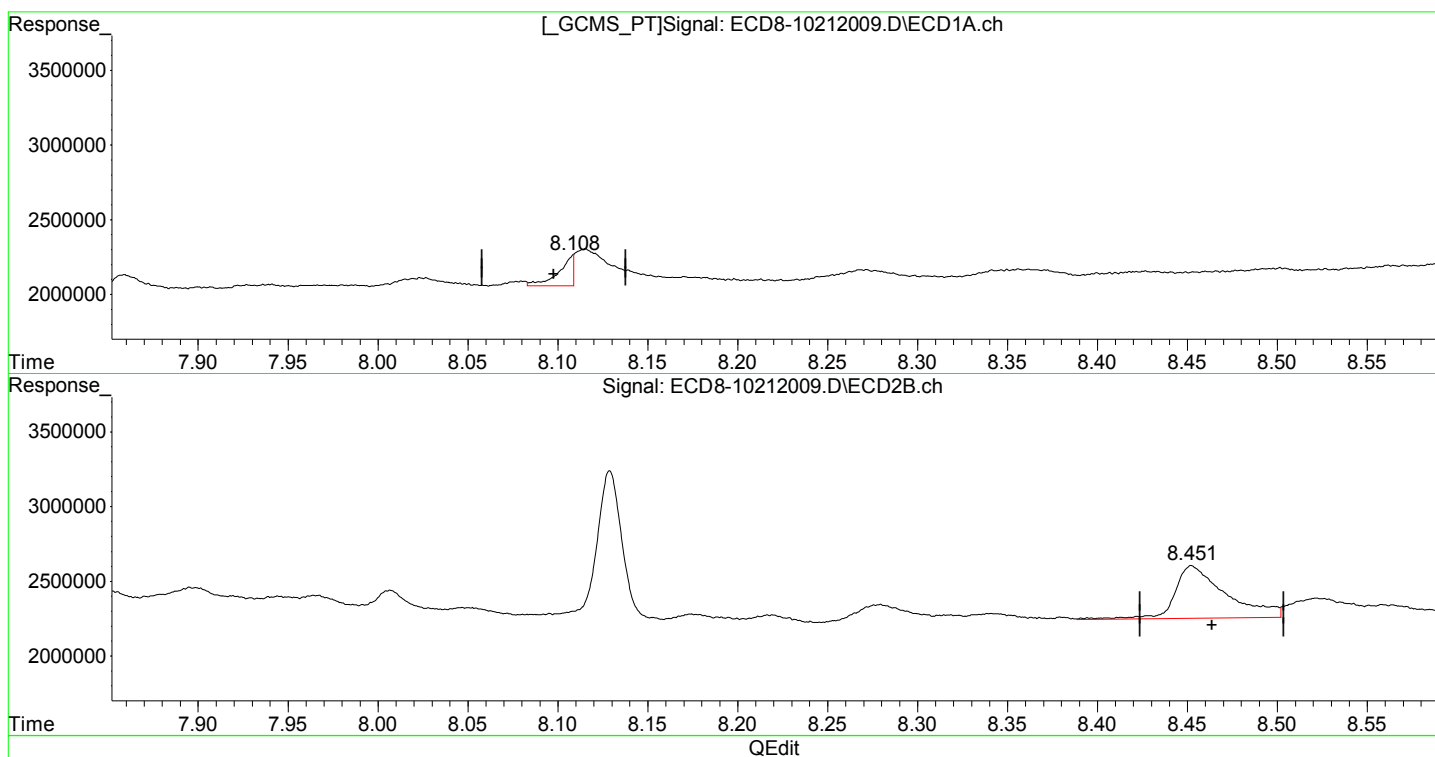
MJB 10/21/20

(7) Aldrin #2
7.536min 0.038 ng/mL m
response 160733

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:45
Operator : MJB
Sample : 0100638-BLK1
Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:06:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



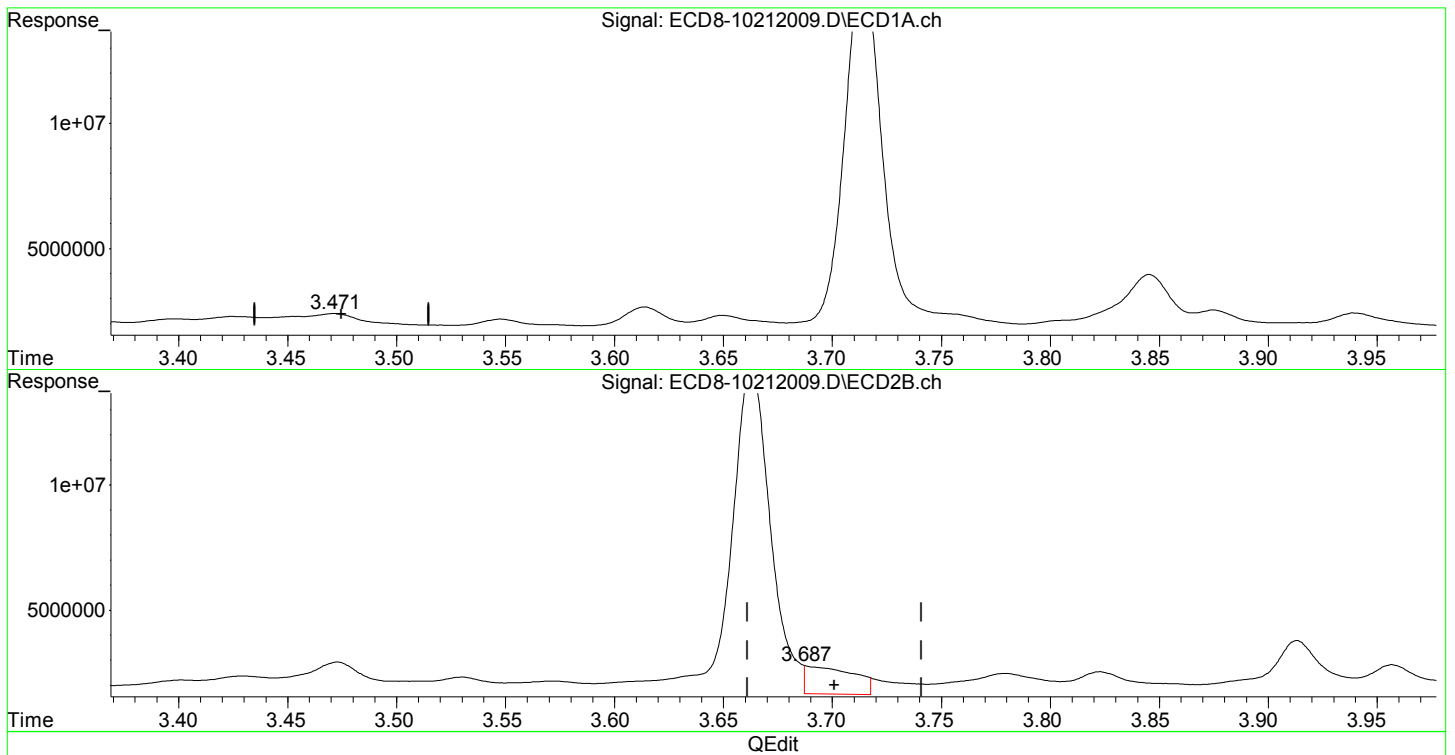
(13) Dieldrin
8.108min 0.056 ng/mL m
response 209628

(13) Dieldrin #2
8.452min 0.109 ng/mL
response 352335

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:45
Operator : MJB
Sample : 0100638-BLK1
Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:06:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(23) Hexachlorobutadiene
3.472min 0.069 ng/mL
response 899101

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(23) Hexachlorobutadiene #2
3.687min 0.120 ng/mL m
response 1124600

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:45
 Operator : MJB
 Sample : 0100638-BLK1
 Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
 ALS Vial : 8 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:06:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	146.7E6	170.2E6	41.493	42.553
22) S DCBP (S)	9.903	10.504	180.0E6	168.8E6	71.754	69.779
Target Compounds						
2) a-BHC	6.218	6.581	215146	116143	0.046	0.022 #
3) g-BHC	6.517	6.896	195634	55761	0.049	0.012 #
4) b-BHC	6.606	6.967	187176	48952	0.120	0.025 #
5) Heptachlor	6.914	7.277	260157	147877	0.064	0.032 #
6) d-BHC	6.758	7.213	176827	103844	0.116	0.093
7) Aldrin	0.000	7.515	0	166166	N.D.	0.039 #
8) Heptachlo...	7.629	7.965	62034	213536	0.017	0.053 #
9) trans-Chl...	7.720	8.129f	123404	1029757	0.034	0.259 #
10) cis-Chlor...	7.823	8.219	33360	52305	0.009	0.013 #
11) Endosulfa...	7.928	8.279	26822	117612	0.008	0.033 #
12) 4,4'-DDE	7.859	8.318	104087	39665	0.033	0.059 #
13) Dieldrin	8.080	8.452	26136	352335	0.007	0.109 #
14) Endrin	8.271	8.689	60519	37346	0.022	0.041 #
15) 4,4'-DDD	8.271f	8.735	60519	19394	0.022	0.008 #
16) Endosulfa...	8.427	8.836	18703	34811	0.006	0.011 #
17) 4,4'-DDT	8.502	8.941	21523	65634	0.041	0.088 #
18) Endrin Al...	8.729	9.065	95085	152177	BelowCal	BelowCal
19) Endosulfa...	9.033	9.264	25205	37625	0.008	0.011 #
20) Methoxychlor	8.843	9.424	29440	12180	0.021	BelowCal #
21) Endrin Ke...	9.235	9.654	18808	443322	0.005	0.113 #
23) Hexachlor...	3.472	3.663f	899101	13129873	0.069	3.402 #
24) Hexachlor...	6.069	6.451	816069	177781	0.244	0.045 #
25) Oxychlorane	7.541	7.896	75059	274989	0.023	0.078 #
26) 2,4'-DDE	7.629	8.129f	62034	1029757	0.029	0.424 #
27) trans-Non...	7.823	8.174	33360	66497	0.009	0.017 #
28) 2,4'-DDD	8.025f	8.452	54256	352335	0.028	BelowCal #
29) 2,4'-DDT	8.171	8.689	40101	37346	0.019	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 13:45
 Operator : MJB
 Sample : 0100638-BLK1
 Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:06:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

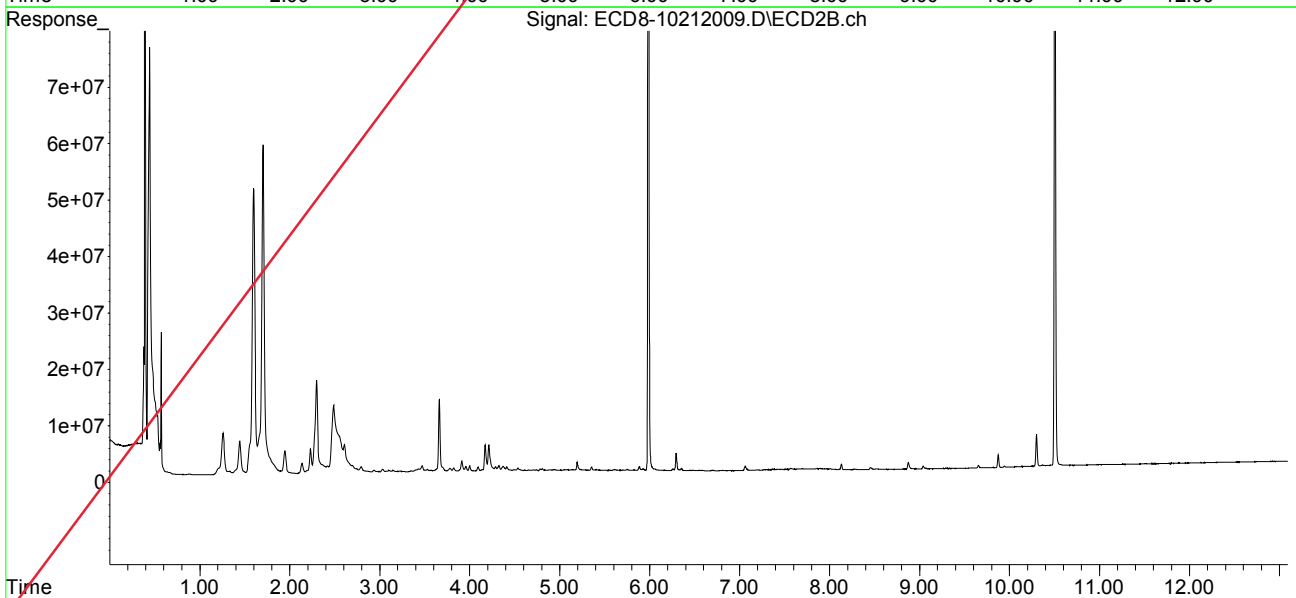
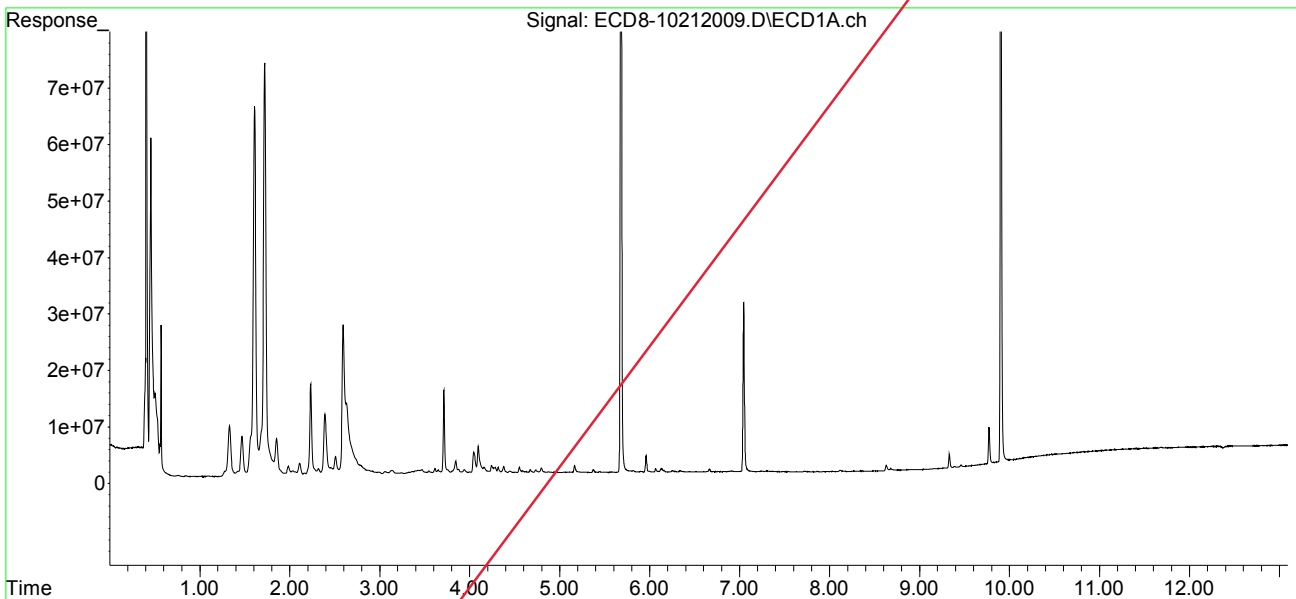
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.271	8.735	60519	19394	0.015	0.005 #
31)	Mirex	8.952	9.654	29372	443322	BelowCal	BelowCal
32)	Chlordane...	7.720	8.129	123404	1029757	0.300	2.114 #
33)	Chlordane...	7.823	8.219	33360	52305	0.080	0.126 #
34)	Chlordane...	8.356f	8.875	49725	1211352	0.386	8.956 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.823	8.452	33360	352335	2.242	9.271 #
37)	Toxaphene...	8.115	8.794	237069	28578	7.197	0.606 #
38)	Toxaphene...	8.427	8.819	18703	41326	0.270	0.588 #
39)	Toxaphene...	8.679f	8.875	458662	1211352	6.163	10.168 #
40)	Toxaphene...	8.888	9.065	81087	152177	1.366	2.209 #
41)	Toxaphene...	8.952	9.424	29372	12180	0.436	0.163 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 13:45
Operator : MJB
Sample : 0100638-BLK1
Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:06:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 14:01
 Operator : MJB
 Sample : 0100638-BS1
 Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
 ALS Vial : 9 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:12:29 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	174.3E6	202.0E6	49.280	50.496
22) S DCBP (S)	9.902	10.503	165.1E6	152.4E6	65.853	62.990
Target Compounds						
2) a-BHC	6.232	6.583	393.4E6	467.7E6	83.506	87.438
3) g-BHC	6.518	6.898	350.8E6	414.4E6	87.154	89.120
4) b-BHC	6.598	6.964	143.8E6	172.3E6	92.114	88.058
5) Heptachlor	6.918	7.271	255.3E6	305.5E6	62.901	66.738
6) d-BHC	6.752	7.212	317.0E6	411.9E6	88.893	87.444
7) Aldrin	7.160	7.534	206.7E6	236.1E6	52.611	55.292
8) Heptachlo...	7.629	7.969	303.3E6	337.9E6	82.954	84.136
9) trans-Chl...	7.722	8.108	277.9E6	312.4E6	75.462	78.495
10) cis-Chlor...	7.819	8.215	275.5E6	310.0E6	76.070	79.895
11) Endosulfa...	7.923	8.265	281.0E6	310.2E6	82.629	86.256
12) 4,4'-DDE	7.870	8.316	263.6E6	310.9E6	83.655	78.552
13) Dieldrin	8.096	8.463	319.8E6	364.5E6	85.137	84.757
14) Endrin	8.267	8.687	256.1E6	278.6E6	93.405	89.678
15) 4,4'-DDD	8.300	8.730	235.6E6	281.2E6	86.631	83.837
16) Endosulfa...	8.428	8.833	252.0E6	279.1E6	85.569	85.706
17) 4,4'-DDT	8.496	8.955	234.8E6	265.6E6	81.401	80.452
18) Endrin Al...	8.723	9.068	205.1E6	226.4E6	71.941	73.076
19) Endosulfa...	9.029	9.262	249.3E6	280.7E6	83.418	84.488
20) Methoxychlor	8.829	9.421	125.6E6	137.5E6	91.236	84.593
21) Endrin Ke...	9.231	9.653	300.1E6	341.6E6	81.166	87.446
23) Hexachlor...	3.472	3.697	935438	2062829	0.081	0.378 #
24) Hexachlor...	6.069	6.451	969355	2624766	0.290	0.659 #
25) Oxychlorane	7.563	7.902	1235591	3537217	0.383	1.005 #
26) 2,4'-DDE	7.629	8.108	303.3E6	312.4E6	142.591	128.748
27) trans-Non...	7.819	8.173	275.5E6	3911452	76.259	0.992 #
28) 2,4'-DDD	8.011	8.463	437856	364.5E6	0.228	153.350 #
29) 2,4'-DDT	8.178	8.687	810750	278.6E6	0.378	110.036 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 14:01
 Operator : MJB
 Sample : 0100638-BS1
 Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:12:29 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

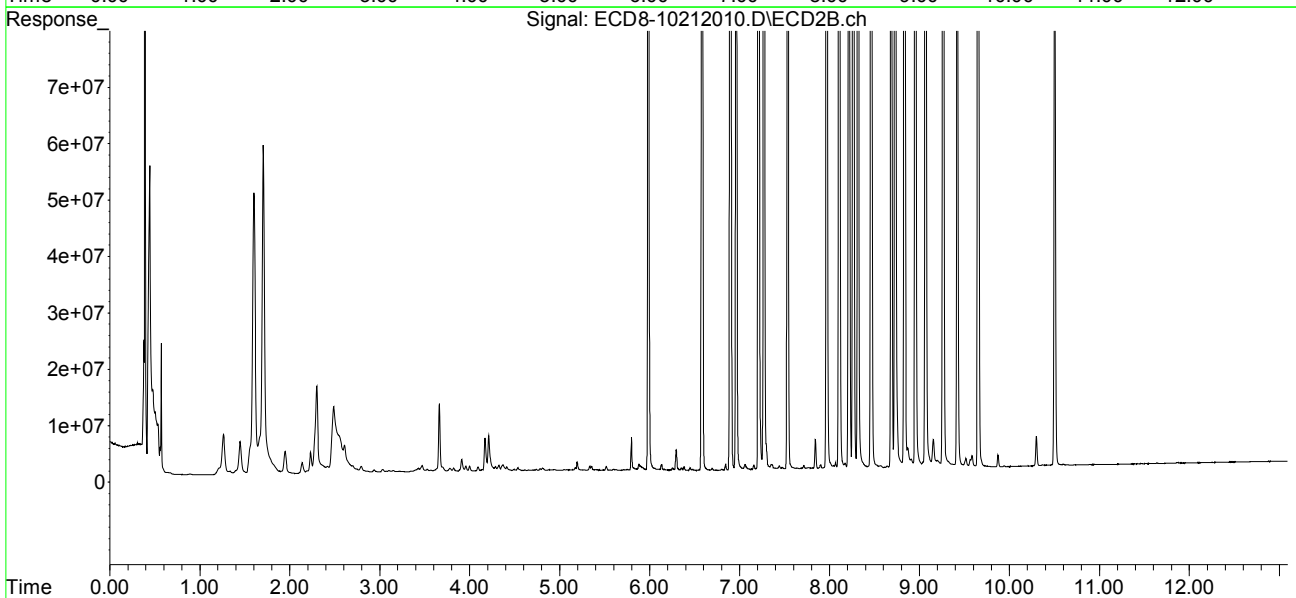
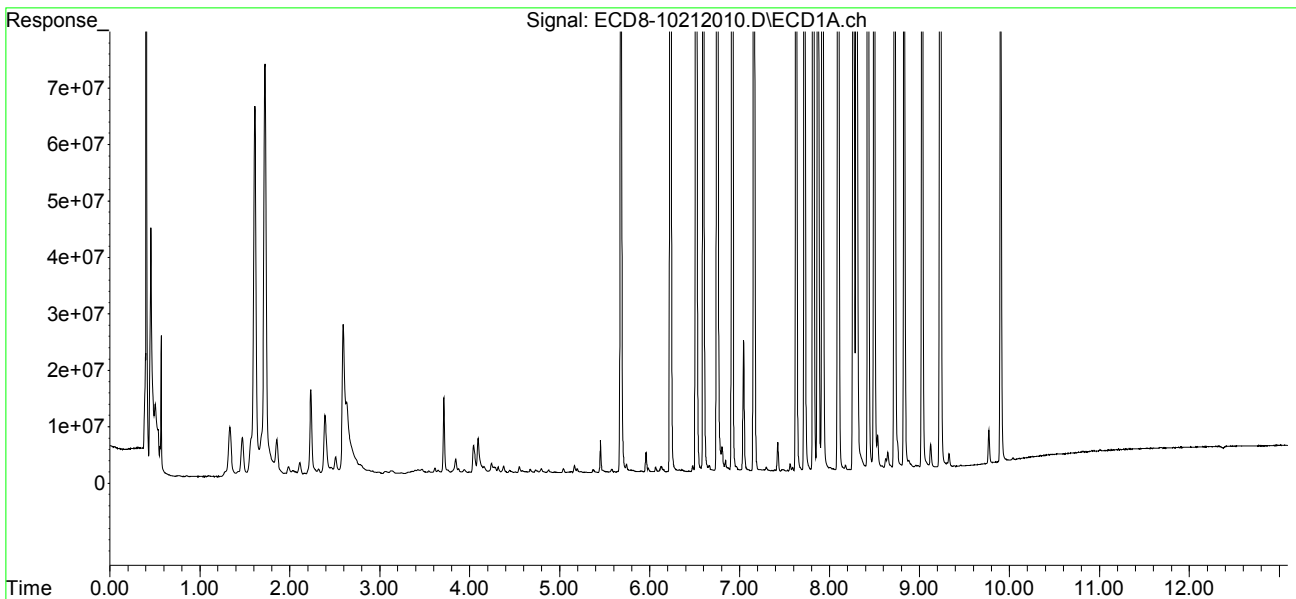
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.300	8.730	235.6E6	281.2E6	59.744	65.737
31)	Mirex	8.961	9.653	423186	341.6E6	BelowCal	132.106
32)	Chlordane...	7.722	8.108	277.9E6	312.4E6	674.602	641.344
33)	Chlordane...	7.819	8.215	275.5E6	310.0E6	657.368	748.713
34)	Chlordane...	0.000	8.871	0	6798491	N.D.	50.266 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.463f	275.5E6	364.5E6	18521.659	9590.055 #
37)	Toxaphene...	8.096	0.000	319.8E6	0	9710.300	N.D. #
38)	Toxaphene...	8.428	8.833	252.0E6	279.1E6	3635.688	3967.698
39)	Toxaphene...	8.647	8.906	2856747	4823150	38.387	40.486
40)	Toxaphene...	8.881	9.068	1359110	226.4E6	22.895	3285.687 #
41)	Toxaphene...	8.961	9.421f	423186	137.5E6	6.286	1835.924 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 14:01
Operator : MJB
Sample : 0100638-BS1
Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:12:29 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 14:18
 Operator : MJB
 Sample : 0100638-BSD1
 Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
 ALS Vial : 10 Sample Multiplier: 1

Q-19

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:13:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	163.5E6	194.4E6	46.232	48.602
22) S DCBP (S)	9.902	10.503	170.7E6	159.4E6	68.070	65.900
Target Compounds						
2) a-BHC	6.232	6.583	402.4E6	485.8E6	85.418	90.832
3) g-BHC	6.518	6.898	360.1E6	421.7E6	89.468	90.684
4) b-BHC	6.598	6.964	150.1E6	183.5E6	96.172	93.772
5) Heptachlor	6.917	7.271	262.5E6	301.2E6	64.682	65.808
6) d-BHC	6.752	7.212	335.6E6	419.8E6	93.439	88.903
7) Aldrin	7.160	7.534	203.6E6	239.9E6	51.838	56.194
8) Heptachlo...	7.629	7.969	304.0E6	344.3E6	83.145	85.740
9) trans-Chl...	7.722	8.108	281.4E6	316.2E6	76.419	79.448
10) cis-Chlor...	7.819	8.215	285.8E6	313.2E6	78.914	80.724
11) Endosulfa...	7.923	8.265	288.8E6	316.4E6	84.917	87.970
12) 4,4'-DDE	7.870	8.317	270.9E6	315.7E6	85.969	79.596
13) Dieldrin	8.097	8.464	334.6E6	366.6E6	89.061	85.193
14) Endrin	8.267	8.687	271.3E6	291.0E6	98.920	93.078
15) 4,4'-DDD	8.300	8.730	250.2E6	288.3E6	92.008	85.665
16) Endosulfa...	8.428	8.834	264.3E6	293.7E6	89.716	90.193
17) 4,4'-DDT	8.497	8.955	248.5E6	282.3E6	85.558	84.671
18) Endrin Al...	8.724	9.068	209.4E6	236.8E6	73.487	76.272
19) Endosulfa...	9.030	9.262	255.6E6	281.6E6	85.510	84.740
20) Methoxychlor	8.830	9.421	129.7E6	143.9E6	94.210	88.079
21) Endrin Ke...	9.232	9.653	313.7E6	349.1E6	84.841	89.364
23) Hexachlor...	3.472	3.663f	928929	11700038	0.079	3.013 #
24) Hexachlor...	6.069	6.451	1038299	506902	0.310	0.127 #
25) Oxychlorane	7.563	7.902	1260158	843095	0.390	0.240 #
26) 2,4'-DDE	7.629	8.108	304.0E6	316.2E6	142.921	130.313
27) trans-Non...	7.819	8.173	285.8E6	1044198	79.110	0.265 #
28) 2,4'-DDD	0.000	8.464	0	366.6E6	N.D.	154.106 #
29) 2,4'-DDT	8.177	8.687	820208	291.0E6	0.382	114.138 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 14:18
 Operator : MJB
 Sample : 0100638-BSD1
 Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:13:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

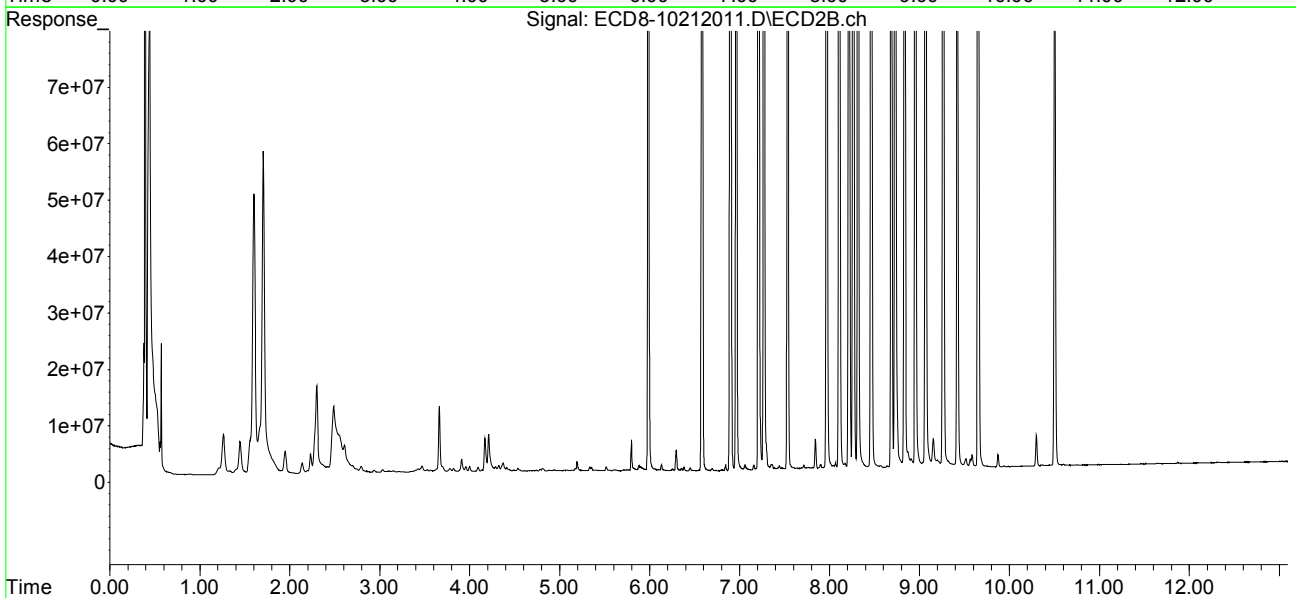
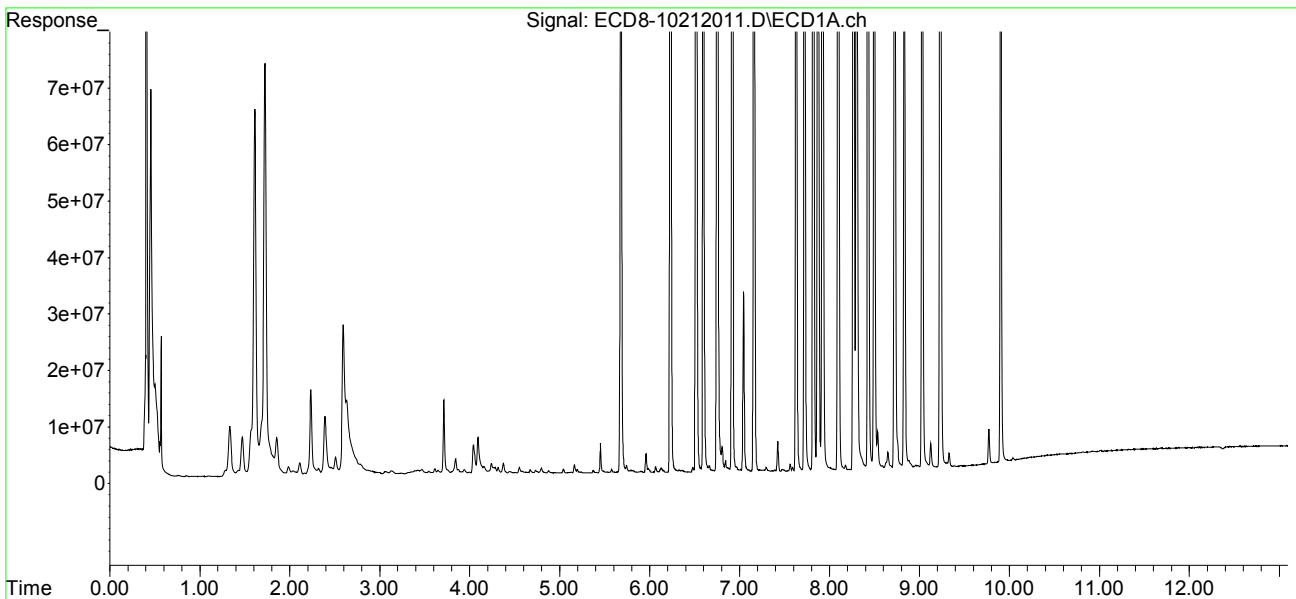
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.300	8.730	250.2E6	288.3E6	63.453	67.387
31)	Mirex	8.962	9.653	450864	349.1E6	BelowCal	134.778
32)	Chlordane...	7.722	8.108	281.4E6	316.2E6	683.151	649.137
33)	Chlordane...	7.819	8.215	285.8E6	313.2E6	681.952	756.474
34)	Chlordane...	0.000	8.870	0	2924378	N.D.	21.622 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.464f	285.8E6	366.6E6	19214.300	9644.898 #
37)	Toxaphene...	8.097	0.000	334.6E6	0	10157.889	N.D. #
38)	Toxaphene...	8.428	8.834	264.3E6	293.7E6	3811.894	4175.436
39)	Toxaphene...	8.648	8.906	2877599	1630804	38.667	13.689 #
40)	Toxaphene...	8.881	9.068	1356734	236.8E6	22.855	3437.361 #
41)	Toxaphene...	8.962	9.421f	450864	143.9E6	6.697	1922.364 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 14:18
Operator : MJB
Sample : 0100638-BSD1
Misc : 1x, 8081B/2,4+4,4-DDx/ +Add
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:13:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 14:34
 Operator : MJB
 Sample : 0100638-BS2
 Misc : 1x, 8081B 2,4+4,4-DDx/ +Add
 ALS Vial : 11 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:14:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	220.0E6	254.5E6	62.222	63.618
22) S DCBP (S)	9.903	10.503	184.0E6	174.2E6	73.344	72.018
Target Compounds						
2) a-BHC	6.232	6.582	1588718	917657	0.337	0.172 #
3) g-BHC	6.518	6.897	1541913	744988	0.383	0.160 #
4) b-BHC	6.603	6.966	1215465	650533	0.779	0.332 #
5) Heptachlor	6.918	7.271	2114838	1551596	0.521	0.339 #
6) d-BHC	6.755	7.212	1474321	927435	0.538	0.297 #
7) Aldrin	7.161	7.534	1342064	605320	0.342	0.142 #
8) Heptachlo...	7.618	7.968	189.1E6	1273962	51.736	0.317 #
9) trans-Chl...	7.722	8.094	2063668	214.1E6	0.560	53.789 #
10) cis-Chlor...	7.806	8.213	298.1E6	1734273	82.297	0.447 #
11) Endosulfa...	7.923	8.264	1585950	891719	0.466	0.248 #
12) 4,4'-DDE	7.868	8.316	1895535	762123	0.602	0.273 #
13) Dieldrin	8.096	8.465	2079102	199.3E6	0.553	48.650 #
14) Endrin	8.285	8.687	330.1E6	230.7E6	120.372	76.197 #
15) 4,4'-DDD	8.285	8.733	330.1E6	371.4E6	121.376	106.452
16) Endosulfa...	8.430	8.834	1554192	755606	0.528	0.232 #
17) 4,4'-DDT	8.497	8.954	1671553	741439	0.702	0.338 #
18) Endrin Al...	8.726	9.069	2076712	1102306	0.431	0.106 #
19) Endosulfa...	9.031	9.263	2003448	635929	0.670	0.191 #
20) Methoxychlor	8.831	9.421	1473004	387068	1.070	0.225 #
21) Endrin Ke...	9.233	9.643	2148971	211.0E6	0.581	54.021 #
23) Hexachlor...	3.474	3.701	230.0E6	280.2E6	70.088	69.625
24) Hexachlor...	6.068	6.451	254.2E6	312.7E6	76.001	78.574
25) Oxychlorane	7.552	7.900	256.1E6	281.9E6	79.300	80.080
26) 2,4'-DDE	7.618	8.094	189.1E6	214.1E6	88.930	88.225
27) trans-Non...	7.806	8.175	298.1E6	332.0E6	82.501	84.211
28) 2,4'-DDD	7.997	8.465	175.8E6	199.3E6	91.498	89.745
29) 2,4'-DDT	8.178	8.687	211.6E6	230.7E6	98.626	93.732

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 14:34
 Operator : MJB
 Sample : 0100638-BS2
 Misc : 1x, 8081B 2,4+4,4-DDx/ +Add
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:14:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

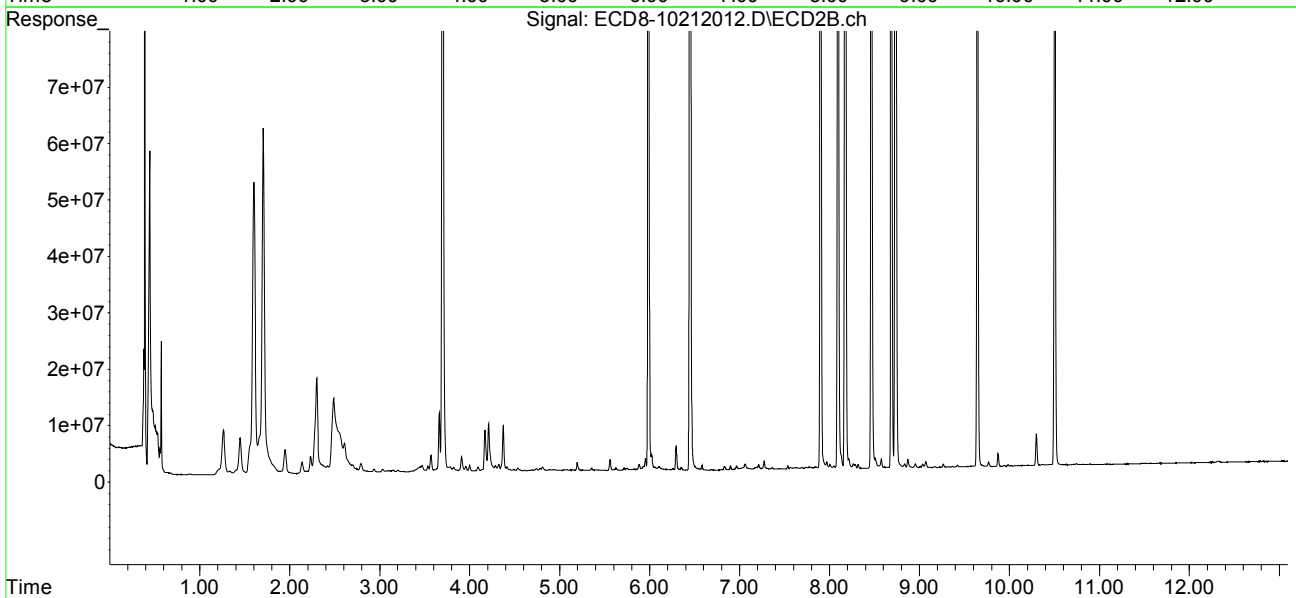
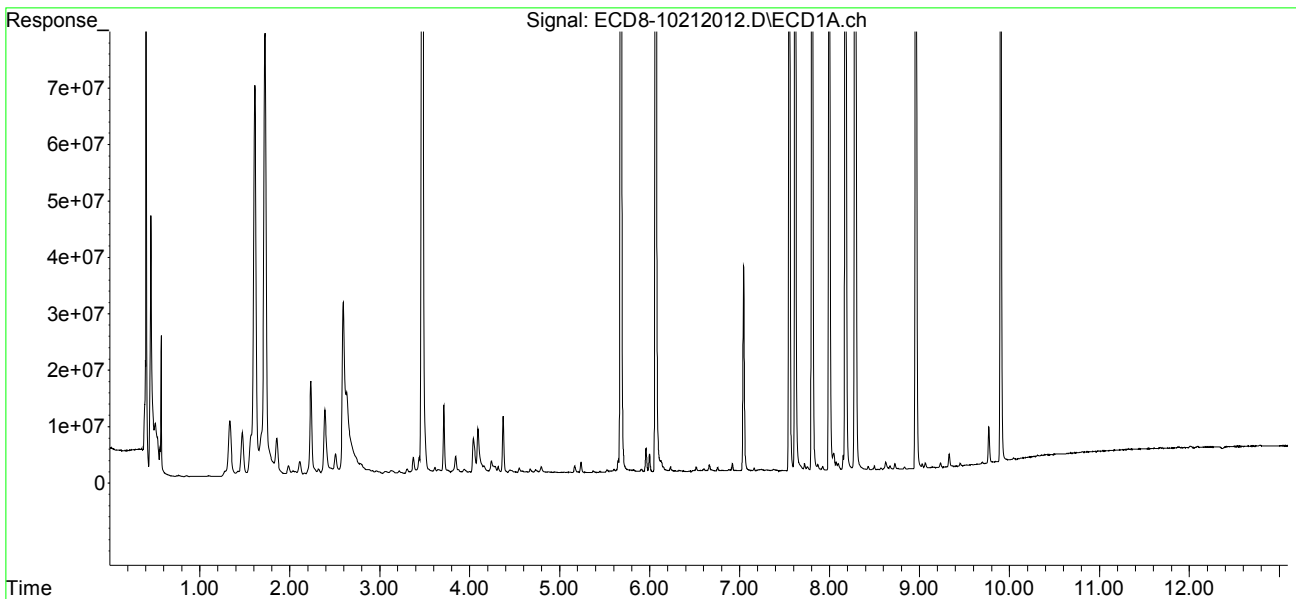
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.733	330.1E6	371.4E6	83.706	86.813
31)	Mirex	8.960	9.643	196.3E6	211.0E6	83.261	84.107
32)	Chlordane...	7.722	8.094	2063668	214.1E6	5.009	439.483 #
33)	Chlordane...	7.806	8.213	298.1E6	1734273	711.182	4.189 #
34)	Chlordane...	0.000	8.871	0	1518150	N.D.	11.225 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.806	8.465f	298.1E6	199.3E6	20037.881	5242.715 #
37)	Toxaphene...	8.096	0.000	2079102	0	63.120	N.D. #
38)	Toxaphene...	8.430	8.834	1554192	755606	22.419	10.743 #
39)	Toxaphene...	8.670	8.871f	1649586	1518150	22.166	12.743 #
40)	Toxaphene...	8.887	9.069	1179275	1102306	19.865	16.001
41)	Toxaphene...	8.960	9.421f	196.3E6	387068	2915.231	5.169 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 14:34
Operator : MJB
Sample : 0100638-BS2
Misc : 1x, 8081B 2,4+4,4-DDx/ +Add
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:14:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 14:51
 Operator : MJB
 Sample : 0100638-BSD2
 Misc : 1x, 8081B 2,4+4,4-DDx/ +Add
 ALS Vial : 12 Sample Multiplier: 1

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MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:15:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	160.2E6	185.9E6	45.300	46.474
22) S DCBP (S)	9.902	10.503	170.3E6	159.5E6	67.908	65.927
Target Compounds						
2) a-BHC	6.232	6.582	784476	802953	0.167	0.150
3) g-BHC	6.518	6.897	643183	631149	0.160	0.136
4) b-BHC	6.602	6.966	427699	453510	0.274	0.232
5) Heptachlor	6.917	7.270	1179850	1294031	0.291	0.283
6) d-BHC	6.755	7.212	664028	745793	0.274	0.252
7) Aldrin	7.159	7.534	452039	525894	0.115	0.123
8) Heptachlo...	7.618	7.968	182.6E6	1104577	49.948	0.275 #
9) trans-Chl...	7.721	8.094	1105317	212.0E6	0.300	53.276 #
10) cis-Chlor...	7.806	8.213	287.2E6	1678335	79.297	0.433 #
11) Endosulfa...	7.923	8.265	622436	754707	0.183	0.210
12) 4,4'-DDE	7.868	8.316	930504	666003	0.295	0.244
13) Dieldrin	8.095	8.464	1018419	199.4E6	0.271	48.674 #
14) Endrin	8.285	8.687	325.3E6	229.9E6	118.638	75.953 #
15) 4,4'-DDD	8.285	8.733	325.3E6	372.1E6	119.627	106.629
16) Endosulfa...	8.430	8.834	509265	647501	0.173	0.199
17) 4,4'-DDT	8.498	8.954	716866	640750	0.320	0.301
18) Endrin Al...	8.726	9.070	712451	822862	BelowCal	0.010
19) Endosulfa...	9.031	9.263	693143	498173	0.232	0.150 #
20) Methoxychlor	8.832	9.422	278796	319080	0.203	0.177
21) Endrin Ke...	9.233	9.643	655159	204.4E6	0.177	52.319 #
23) Hexachlor...	3.474	3.700	155.9E6	185.1E6	48.141	47.358
24) Hexachlor...	6.067	6.451	240.5E6	286.2E6	71.911	71.917
25) Oxychlorane	7.552	7.900	245.9E6	273.7E6	76.152	77.753
26) 2,4'-DDE	7.618	8.094	182.6E6	212.0E6	85.856	87.384
27) trans-Non...	7.806	8.175	287.2E6	320.7E6	79.494	81.332
28) 2,4'-DDD	7.997	8.464	171.7E6	199.4E6	89.373	89.789
29) 2,4'-DDT	8.179	8.687	208.2E6	229.9E6	97.006	93.436

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 14:51
 Operator : MJB
 Sample : 0100638-BSD2
 Misc : 1x, 8081B 2,4+4,4-DDx/ +Add
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:15:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

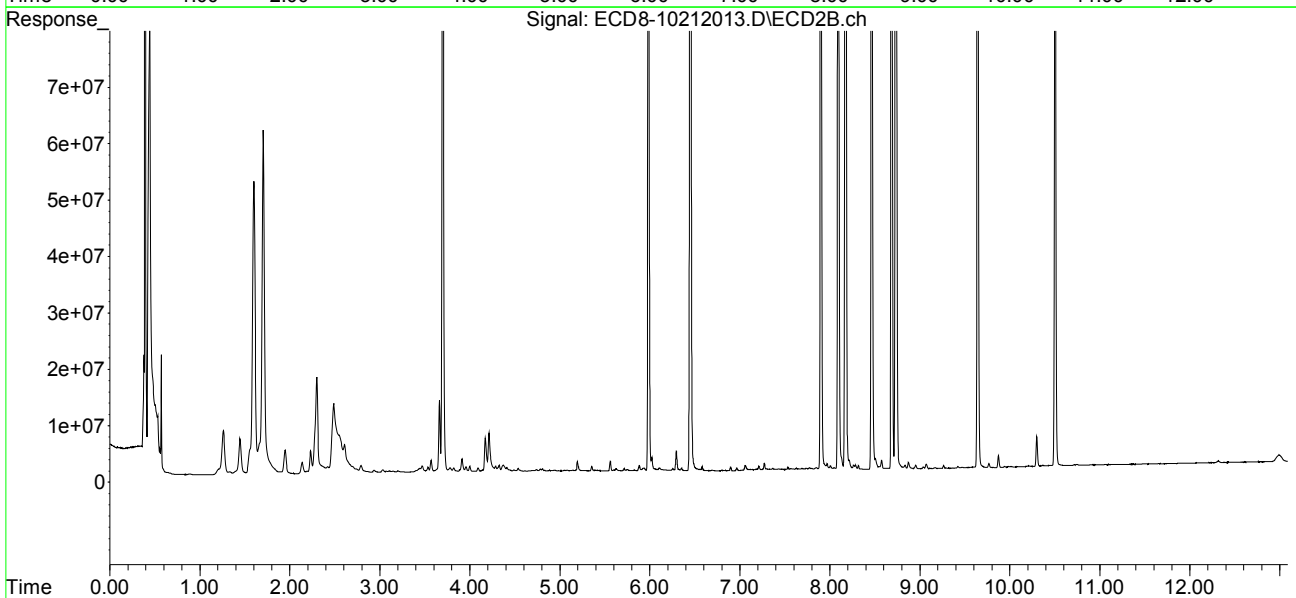
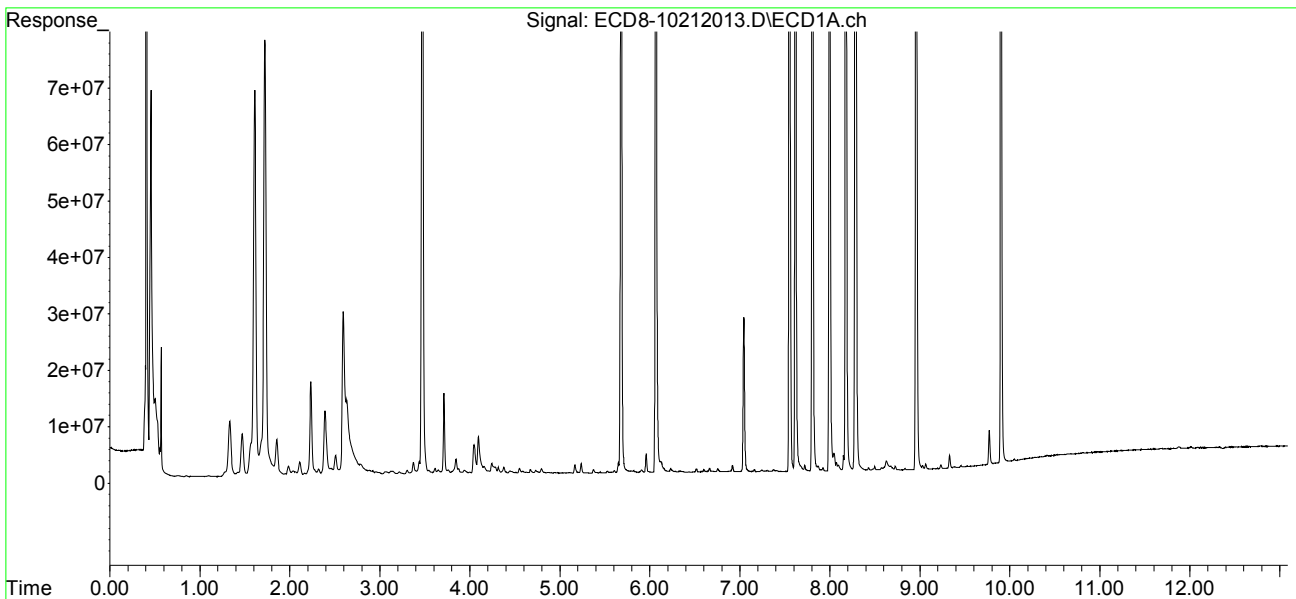
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.733	325.3E6	372.1E6	82.500	86.983
31)	Mirex	8.961	9.643	193.8E6	204.4E6	82.221	81.584
32)	Chlordane...	7.721	8.094	1105317	212.0E6	2.683	435.293 #
33)	Chlordane...	7.806	8.213	287.2E6	1678335	685.261	4.054 #
34)	Chlordane...	0.000	8.873	0	1204994	N.D.	8.909 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.806	8.426	287.2E6	24204	19307.555	0.637 #
37)	Toxaphene...	8.095	0.000	1018419	0	30.919	N.D. #
38)	Toxaphene...	8.430	8.834	509265	647501	7.346	9.206 #
39)	Toxaphene...	8.675	8.873	751678	1204994	10.100	10.115
40)	Toxaphene...	8.905	9.070	17902	822862	0.302	11.945 #
41)	Toxaphene...	8.961	9.422f	193.8E6	319080	2878.753	4.261 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 14:51
Operator : MJB
Sample : 0100638-BSD2
Misc : 1x, 8081B 2,4+4,4-DDx/ +Add
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:15:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 15:41
 Operator : MJB
 Sample : 0J21047-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:41:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	348.5E6	414.1E6	98.547	103.497
22) S DCBP (S)	9.900	10.501	249.3E6	238.5E6	99.178	98.587
Target Compounds						
2) a-BHC	6.232	6.582	496.9E6	599.1E6	105.470	112.014
3) g-BHC	6.519	6.898	428.8E6	515.5E6	106.538	110.848
4) b-BHC	6.598	6.963	171.0E6	207.8E6	109.543	106.197
5) Heptachlor	6.918	7.271	403.3E6	482.9E6	99.377	105.501
6) d-BHC	6.752	7.212	383.9E6	493.5E6	104.973	102.256
7) Aldrin	7.160	7.534	384.8E6	463.4E6	97.975	108.536
8) Heptachlo...	7.629	7.968	372.9E6	423.7E6	101.983	105.512
9) trans-Chl...	7.722	8.107	386.4E6	446.5E6	104.914	112.170
10) cis-Chlor...	7.819	8.214	364.4E6	408.6E6	100.597	105.323
11) Endosulfa...	7.923	8.264	342.4E6	379.3E6	100.665	105.466
12) 4,4'-DDE	7.870	8.316	365.7E6	417.8E6	116.067	101.261
13) Dieldrin	8.096	8.462	389.3E6	432.1E6	103.618	98.673
14) Endrin	8.266	8.686	282.9E6	320.5E6	103.164	100.999
15) 4,4'-DDD	8.299	8.729	304.8E6	357.5E6	112.059	103.069
16) Endosulfa...	8.428	8.832	303.4E6	335.9E6	103.023	103.151
17) 4,4'-DDT	8.496	8.953	304.3E6	349.5E6	101.973	101.050
18) Endrin Al...	8.723	9.067	285.3E6	309.2E6	100.200	98.010
19) Endosulfa...	9.028	9.261	294.1E6	326.9E6	98.391	98.376
20) Methoxychlor	8.828	9.419	139.0E6	165.5E6	100.946	99.423
21) Endrin Ke...	9.230	9.652	369.1E6	404.3E6	99.806	103.507
23) Hexachlor...	3.478	3.716	10534	48932	BelowCal	BelowCal
24) Hexachlor...	6.069	6.451	741477	18486	0.222	0.005 #
25) Oxychlorane	7.563	7.888	1556436	409826	0.482	0.116 #
26) 2,4'-DDE	7.629	8.107	372.9E6	446.5E6	175.301	183.984
27) trans-Non...	7.819	8.172	364.4E6	1137270	100.847	0.288 #
28) 2,4'-DDD	0.000	8.462	0	432.1E6	N.D.	177.364 #
29) 2,4'-DDT	8.177	8.686	1031728	320.5E6	0.481	123.680 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 15:41
 Operator : MJB
 Sample : 0J21047-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:41:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

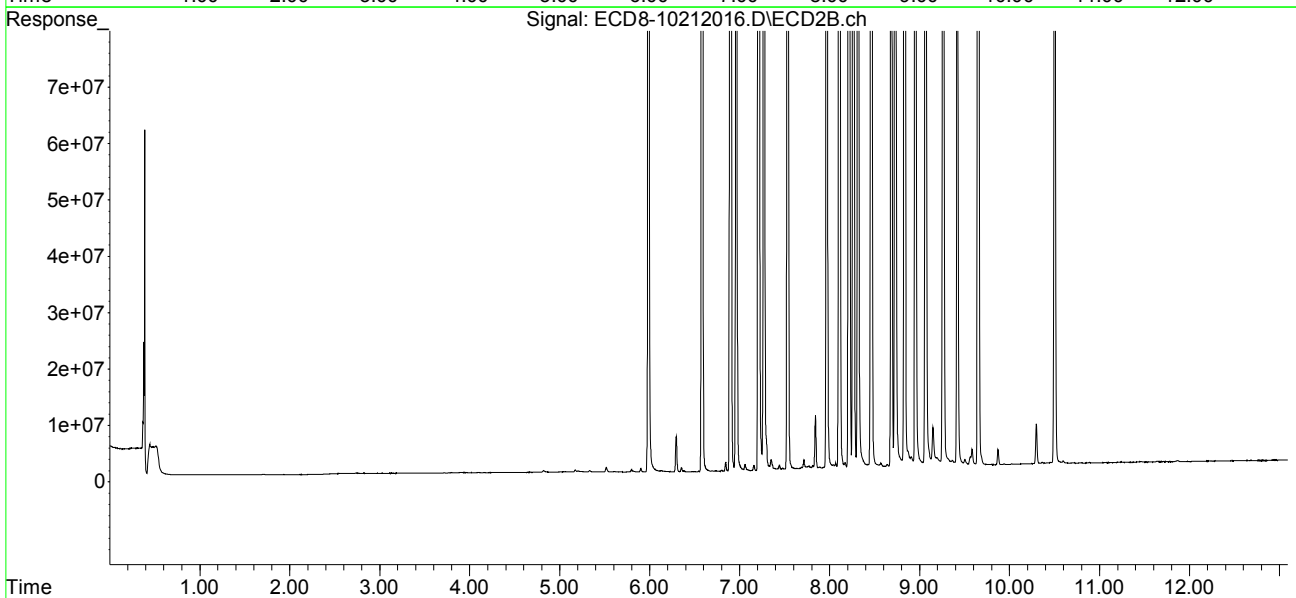
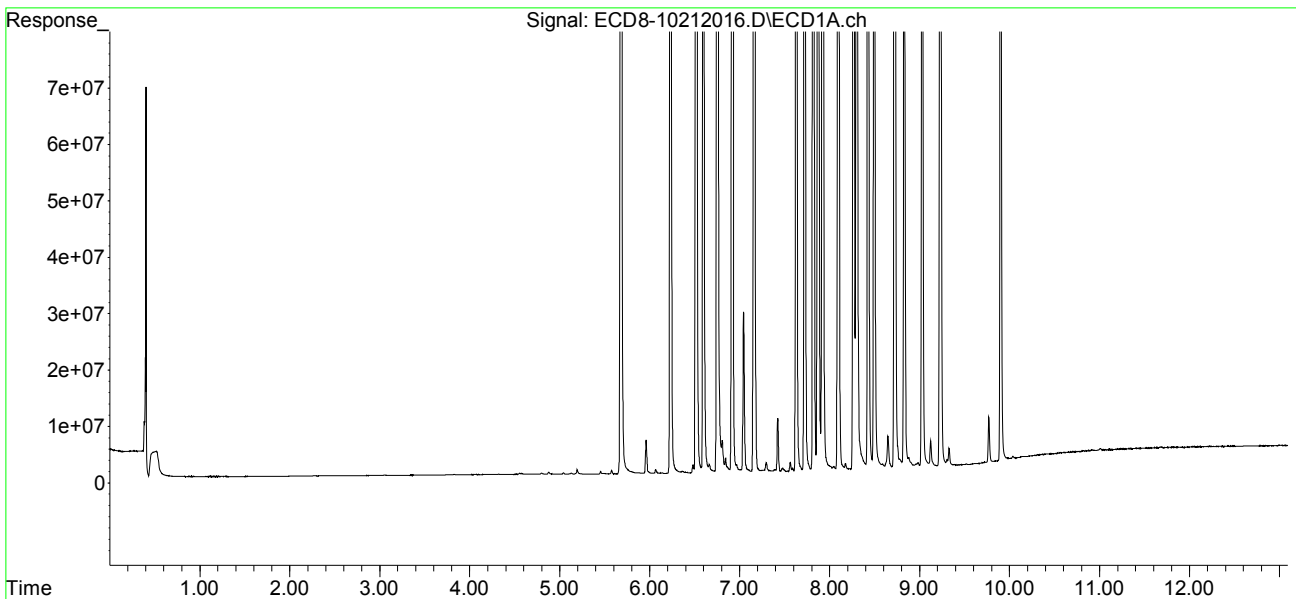
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.299	8.729	304.8E6	357.5E6	77.280	83.570
31)	Mirex	8.962	9.652	465606	404.3E6	BelowCal	154.218
32)	Chlordane...	7.722	8.107	386.4E6	446.5E6	937.889	916.493
33)	Chlordane...	7.819	8.214	364.4E6	408.6E6	869.327	986.996
34)	Chlordane...	0.000	8.870	0	2936303	N.D.	21.710 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.462	364.4E6	432.1E6	24493.681	11369.021 #
37)	Toxaphene...	8.096	0.000	389.3E6	0	11818.237	N.D. #
38)	Toxaphene...	8.428	8.832	303.4E6	335.9E6	4377.273	4775.316
39)	Toxaphene...	8.647	8.905	5627890	1933221	75.623	16.228 #
40)	Toxaphene...	8.880	9.067	1667491	309.2E6	28.090	4488.066 #
41)	Toxaphene...	8.962	9.419f	465606	165.5E6	6.916	2209.585 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 15:41
Operator : MJB
Sample : 0J21047-CCV3
Misc : A20H476, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:41:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 15:57
 Operator : MJB
 Sample : 0J21047-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:42:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.651f	5.987	2587349	63254	0.732	0.016 #
22) S DCBP (S)	0.000	10.500	0	91490	N.D.	0.038 #
Target Compounds						
2) a-BHC	0.000	6.578	0	278783	N.D.	0.052 #
3) g-BHC	6.516	6.896	87954	33251	0.022	0.007 #
4) b-BHC	6.609	6.970	72553	85332	0.046	0.044
5) Heptachlor	6.919	7.271	693781	731467	0.171	0.160
6) d-BHC	6.761	7.216	73807	89080	0.082	0.089
7) Aldrin	7.157	7.533	56289	39699	0.014	0.009 #
8) Heptachlo...	7.619	8.006f	218.4E6	1149751	59.749	0.286 #
9) trans-Chl...	7.720	8.094	1019816	257.9E6	0.277	64.803 #
10) cis-Chlor...	7.805	0.000	355.1E6	0	98.037	N.D. #
11) Endosulfa...	7.914	8.279	714363	527675	0.210	0.147 #
12) 4,4'-DDE	0.000	8.323	0	516749	N.D.	0.200 #
13) Dieldrin	8.109	8.464	696406	229.0E6	0.185	55.402 #
14) Endrin	8.284	8.686	390.5E6	256.5E6	142.403	83.530 #
15) 4,4'-DDD	8.284	8.732	390.5E6	429.9E6	143.591	120.372
16) Endosulfa...	8.436	8.832	306791	318887	0.104	0.098
17) 4,4'-DDT	8.498	8.944	195382	280300	0.110	0.167 #
18) Endrin Al...	8.724	9.074	232955	414248	BelowCal	BelowCal
19) Endosulfa...	9.062f	9.262	1138783	59310	0.381	0.018 #
20) Methoxychlor	8.841	9.391f	10783	93315	0.008	0.015 #
21) Endrin Ke...	9.233	9.640	43992	252.0E6	0.012	64.504 #
23) Hexachlor...	3.474	3.701	369.3E6	466.8E6	109.768	110.123
24) Hexachlor...	6.068	6.451	328.0E6	399.4E6	98.064	100.344
25) Oxychlorane	7.552	7.899	310.1E6	353.9E6	96.022	100.537
26) 2,4'-DDE	7.619	8.094	218.4E6	257.9E6	102.705	106.292
27) trans-Non...	7.805	8.174	355.1E6	397.6E6	98.281	100.848
28) 2,4'-DDD	7.997	8.464	190.8E6	229.0E6	99.298	101.804
29) 2,4'-DDT	8.178	8.686	218.2E6	256.5E6	101.672	102.608

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 15:57
 Operator : MJB
 Sample : 0J21047-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:42:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

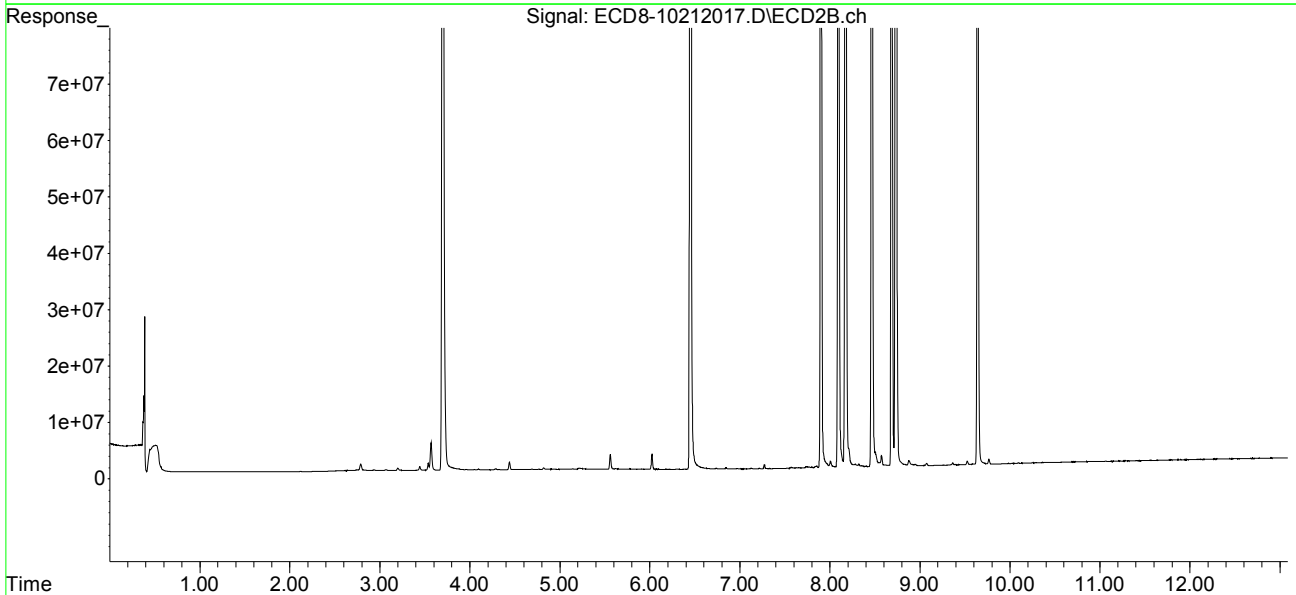
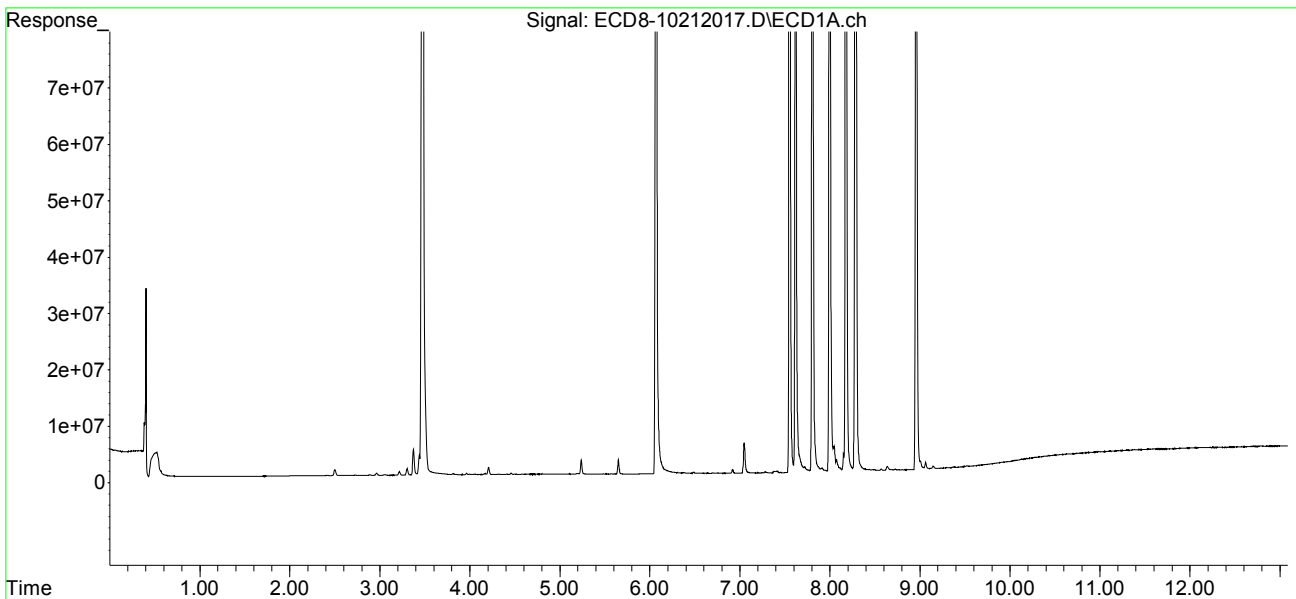
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.284	8.732	390.5E6	429.9E6	99.026	100.490
31)	Mirex	8.959	9.640	233.7E6	252.0E6	99.101	99.468
32)	Chlordane...	7.720	8.094	1019816	257.9E6	2.476	529.478 #
33)	Chlordane...	7.805	0.000	355.1E6	0	847.203	N.D. #
34)	Chlordane...	0.000	8.877	0	1010344	N.D.	7.470 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.805	8.464f	355.1E6	229.0E6	23870.350	6026.246 #
37)	Toxaphene...	8.109	0.000	696406	0	21.143	N.D. #
38)	Toxaphene...	8.436	8.832	306791	318887	4.426	4.534
39)	Toxaphene...	8.634f	8.877	725973	1010344	9.755	8.481
40)	Toxaphene...	0.000	9.074	0	414248	N.D.	6.013 #
41)	Toxaphene...	8.959	9.468f	233.7E6	46806	3471.645	0.625 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 15:57
Operator : MJB
Sample : 0J21047-CCV4
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:42:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 16:14
 Operator : MJB
 Sample : 0J21047-CCB2
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:43:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	325.7E6	390.4E6	92.105	97.589
22) S DCBP (S)	9.901	10.501	232.8E6	221.9E6	92.655	91.731
Target Compounds						
2) a-BHC	6.265f	6.582	42472	13075	0.009	0.002 #
3) g-BHC	6.522	6.902	82438	82040	0.020	0.018
4) b-BHC	6.597	6.962	240880	97465	0.154	0.050 #
5) Heptachlor	6.909	0.000	482621	0	0.119	N.D. #
6) d-BHC	6.744	7.221	230065	289670	0.133	0.139
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.628	0.000	16495	0	0.005	N.D. #
9) trans-Chl...	7.717	8.113	88869	848460	0.024	0.213m#
10) cis-Chlor...	7.814	8.253f	15340	255880	0.004	0.066 #
11) Endosulfa...	7.924	8.271	14264	268054	0.004	0.075 #
12) 4,4'-DDE	7.876	8.321	8199	248531	0.003	0.121 #
13) Dieldrin	8.094	8.467	22089	200487	0.006	0.069 #
14) Endrin	8.289f	8.689	19820	146235	0.007	0.083 #
15) 4,4'-DDD	8.309	8.734	14001	128058	0.005	0.046 #
16) Endosulfa...	8.408f	8.832	11260	109161	0.004	0.034 #
17) 4,4'-DDT	8.494	8.954	208840	88757	0.116	0.096
18) Endrin Al...	8.725	9.069	233521	149987	BelowCal	BelowCal
19) Endosulfa...	9.033	9.261	44642	50572	0.015	0.015
20) Methoxychlor	8.831	9.422	34465	23240	0.025	BelowCal #
21) Endrin Ke...	9.235	9.655	46655	68073	0.013	0.017 #
23) Hexachlor...	0.000	3.687	0	11654	N.D.	BelowCal
24) Hexachlor...	6.069	6.451	3309291	33299	0.989	0.008 #
25) Oxychlorane	7.563	7.901	12942	1353037	0.004	0.384 #
26) 2,4'-DDE	7.628	8.113	16495	890231	0.008	0.367m#
27) trans-Non...	7.814	0.000	15340	0	0.004	N.D. #
28) 2,4'-DDD	8.009	8.467	9723	200487	0.005	BelowCal #
29) 2,4'-DDT	8.184	8.689	32743	146235	0.015	BelowCal #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 16:14
 Operator : MJB
 Sample : 0J21047-CCB2
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:43:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

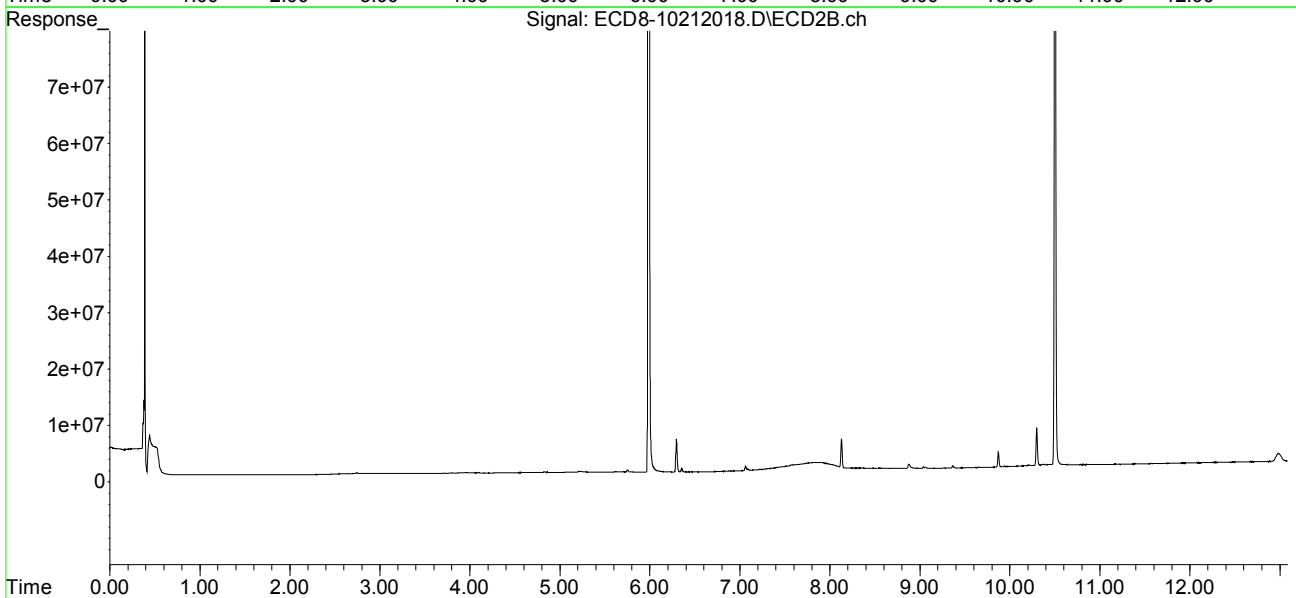
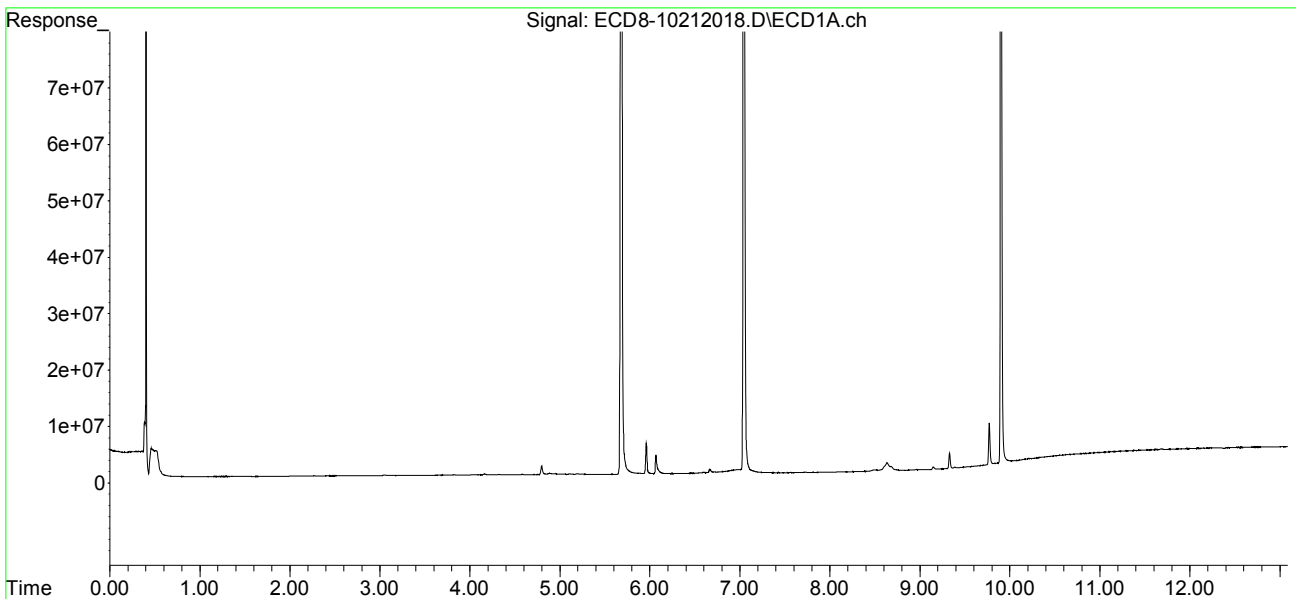
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.734	19820	128058	0.005	0.030 #
31)	Mirex	8.954	9.655	47110	68073	BelowCal	BelowCal
32)	Chlordane...	7.717	8.127	88869	5508194	0.216	11.307 #
33)	Chlordane...	7.814	8.253f	15340	255880	0.037	0.618 #
34)	Chlordane...	8.376	8.878	14194	871117	0.110	6.441 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.814	8.467f	15340	200487	1.031	5.275 #
37)	Toxaphene...	8.094	8.786	22089	113940	0.671	2.417 #
38)	Toxaphene...	8.408	8.832	11260	109161	0.162	1.552 #
39)	Toxaphene...	8.679f	8.878	795510	871117	10.689	7.312 #
40)	Toxaphene...	8.888	9.069	13170	149987	0.222	2.177 #
41)	Toxaphene...	8.954	9.448	47110	26647	0.700	0.356 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 16:14
Operator : MJB
Sample : 0J21047-CCB2
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

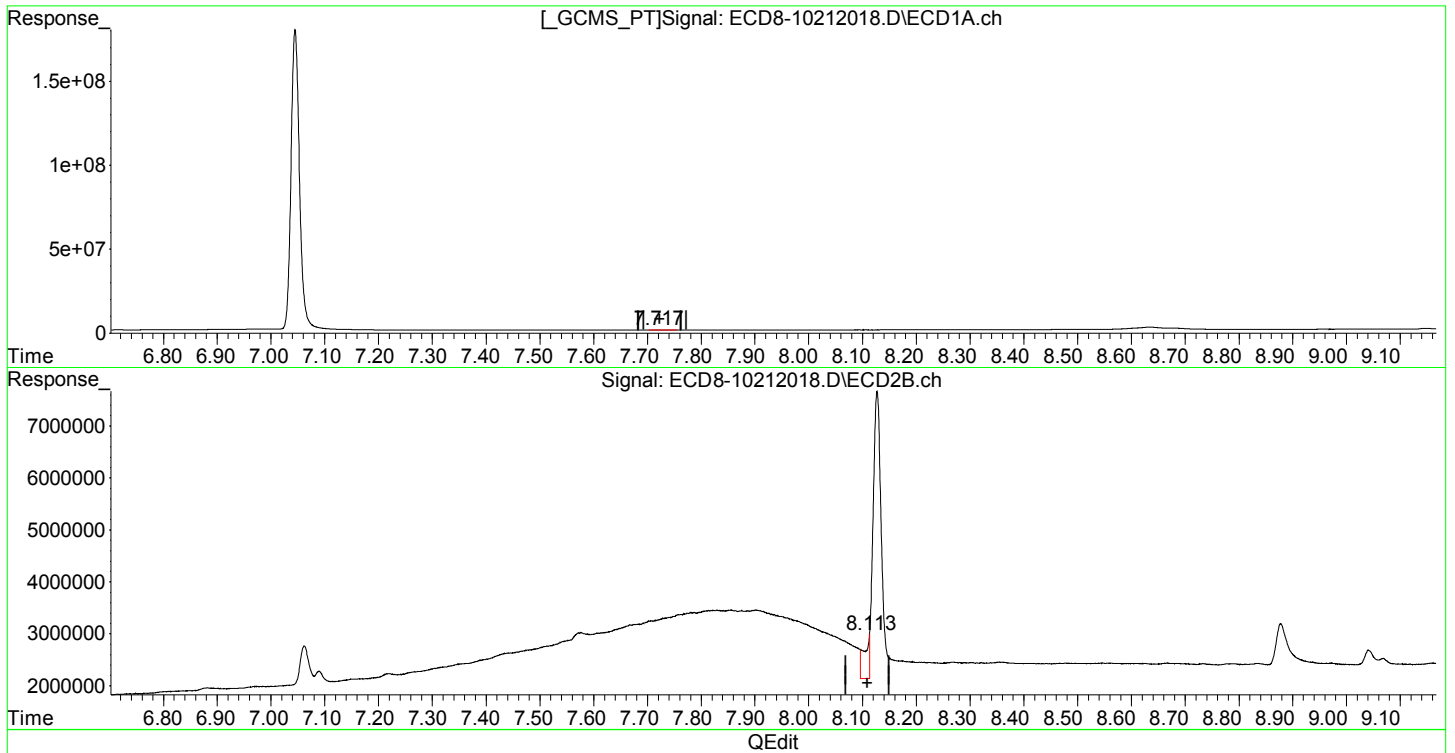
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:43:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 16:14
Operator : MJB
Sample : 0J21047-CCB2
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:43:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(9) trans-Chlordane
7.717min 0.024 ng/mL
response 88869

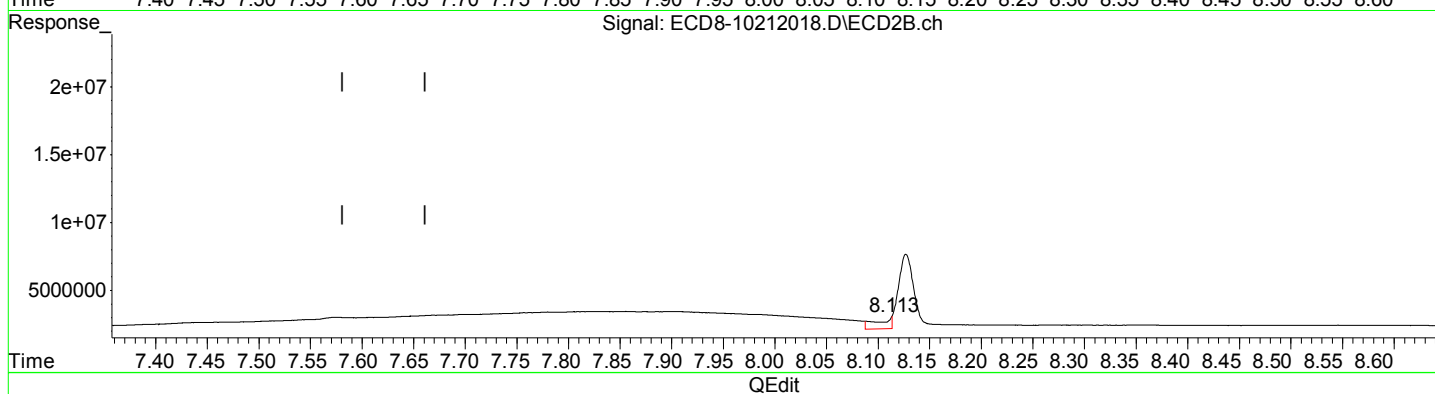
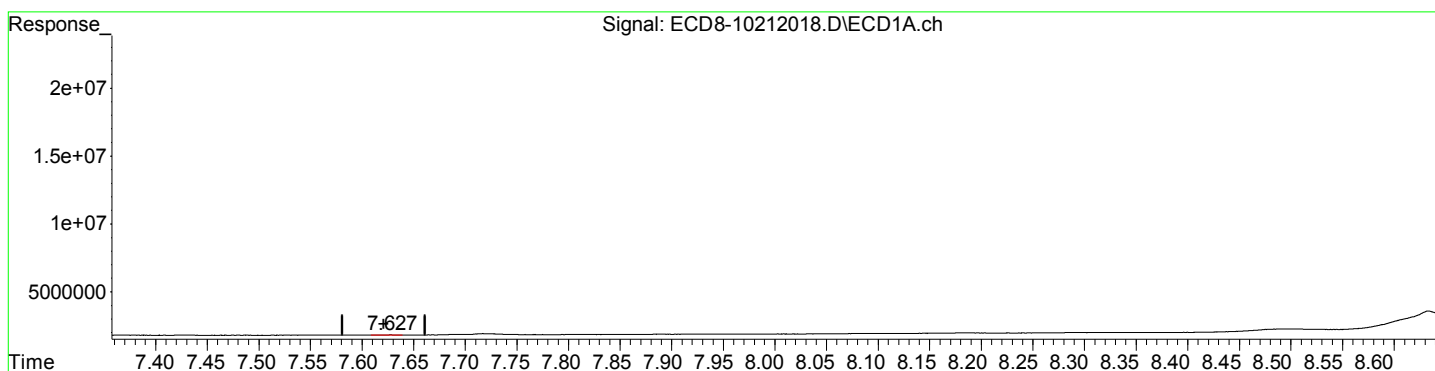
MJB 10/21/20

(9) trans-Chlordane #2
8.113min 0.213 ng/mL m
response 848460

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 16:14
Operator : MJB
Sample : 0J21047-CCB2
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:43:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.628min 0.008 ng/mL
response 16495

MJB 10/21/20

(26) 2,4'-DDE #2
8.113min 0.367 ng/mL m
response 890231

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 16:14
 Operator : MJB
 Sample : 0J21047-CCB2
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:43:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.987	325.7E6	390.4E6	92.105	97.589
22) S DCBP (S)	9.901	10.501	232.8E6	221.9E6	92.655	91.731
Target Compounds						
2) a-BHC	6.265f	6.582	42472	13075	0.009	0.002 #
3) g-BHC	6.522	6.902	82438	82040	0.020	0.018
4) b-BHC	6.597	6.962	240880	97465	0.154	0.050 #
5) Heptachlor	6.909	0.000	482621	0	0.119	N.D. #
6) d-BHC	6.744	7.221	230065	289670	0.133	0.139
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.628	0.000	16495	0	0.005	N.D. #
9) trans-Chl...	7.717	8.127	88869	5508194	0.024	1.384 #
10) cis-Chlor...	7.814	8.253f	15340	255880	0.004	0.066 #
11) Endosulfa...	7.924	8.271	14264	268054	0.004	0.075 #
12) 4,4'-DDE	7.876	8.321	8199	248531	0.003	0.121 #
13) Dieldrin	8.094	8.467	22089	200487	0.006	0.069 #
14) Endrin	8.289f	8.689	19820	146235	0.007	0.083 #
15) 4,4'-DDD	8.309	8.734	14001	128058	0.005	0.046 #
16) Endosulfa...	8.408f	8.832	11260	109161	0.004	0.034 #
17) 4,4'-DDT	8.494	8.954	208840	88757	0.116	0.096
18) Endrin Al...	8.725	9.069	233521	149987	BelowCal	BelowCal
19) Endosulfa...	9.033	9.261	44642	50572	0.015	0.015
20) Methoxychlor	8.831	9.422	34465	23240	0.025	BelowCal #
21) Endrin Ke...	9.235	9.655	46655	68073	0.013	0.017 #
23) Hexachlor...	0.000	3.687	0	11654	N.D.	BelowCal
24) Hexachlor...	6.069	6.451	3309291	33299	0.989	0.008 #
25) Oxychlorane	7.563	7.901	12942	1353037	0.004	0.384 #
26) 2,4'-DDE	7.628	8.127f	16495	5508194	0.008	2.270 #
27) trans-Non...	7.814	0.000	15340	0	0.004	N.D. #
28) 2,4'-DDD	8.009	8.467	9723	200487	0.005	BelowCal #
29) 2,4'-DDT	8.184	8.689	32743	146235	0.015	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 16:14
 Operator : MJB
 Sample : 0J21047-CCB2
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 16:43:37 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

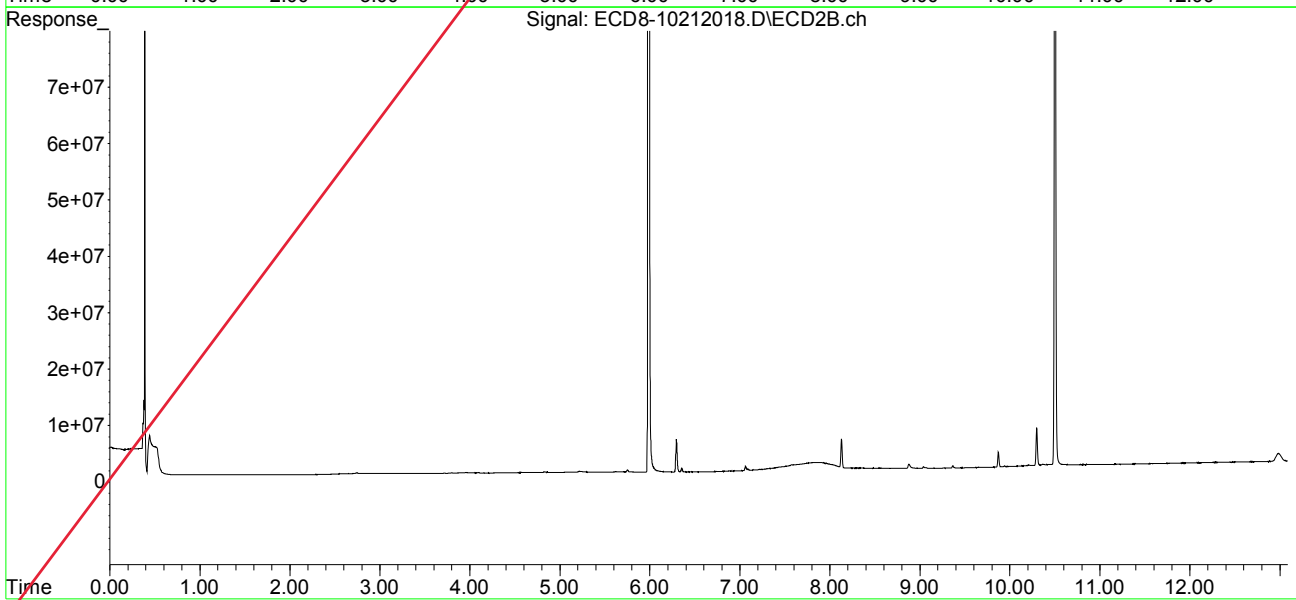
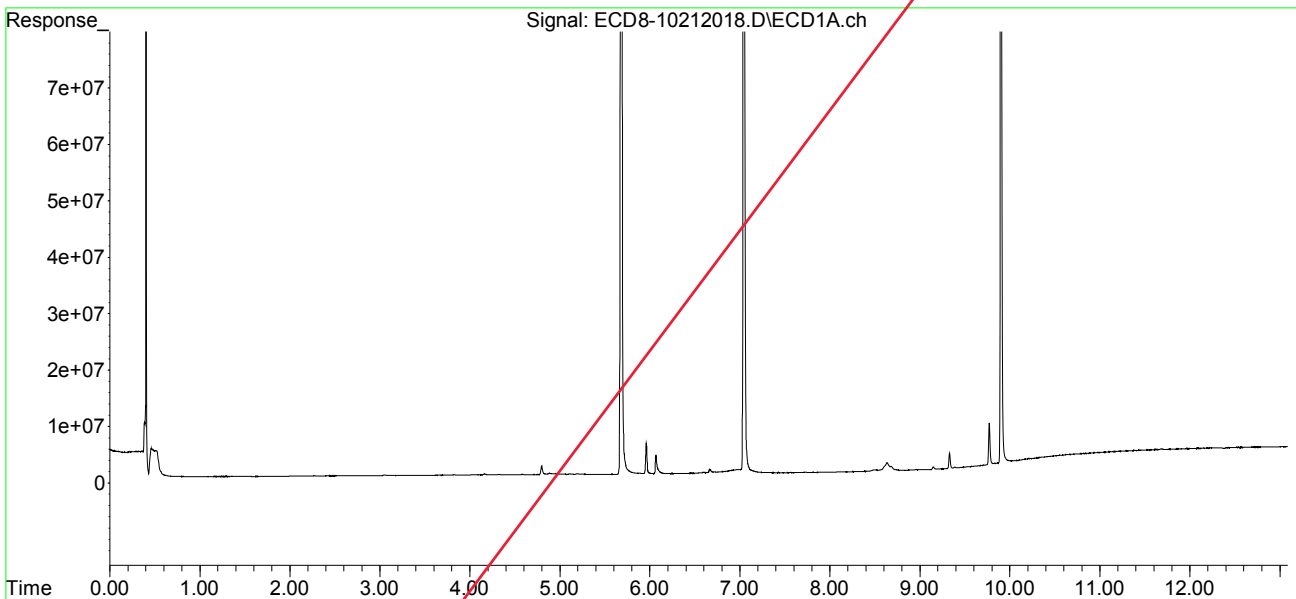
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.734	19820	128058	0.005	0.030 #
31)	Mirex	8.954	9.655	47110	68073	BelowCal	BelowCal
32)	Chlordane...	7.717	8.127	88869	5508194	0.216	11.307 #
33)	Chlordane...	7.814	8.253f	15340	255880	0.037	0.618 #
34)	Chlordane...	8.376	8.878	14194	871117	0.110	6.441 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.814	8.467f	15340	200487	1.031	5.275 #
37)	Toxaphene...	8.094	8.786	22089	113940	0.671	2.417 #
38)	Toxaphene...	8.408	8.832	11260	109161	0.162	1.552 #
39)	Toxaphene...	8.679f	8.878	795510	871117	10.689	7.312 #
40)	Toxaphene...	8.888	9.069	13170	149987	0.222	2.177 #
41)	Toxaphene...	8.954	9.448	47110	26647	0.700	0.356 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 16:14
Operator : MJB
Sample : 0J21047-CCB2
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 16:43:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 16:39
 Operator : MJB
 Sample : A0J0472-01
 Misc : 1x, 8081B 2,4+4,4-DDx Only
 ALS Vial : 15 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 18:48:58 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.986	208.5E6	250.2E6	58.964	62.525
22) S DCBP (S)	9.903	10.503	191.7E6	185.5E6	76.411	76.670
Target Compounds						
2) a-BHC	6.203f	6.559f	16003756	10822476	3.397	2.023 #
3) g-BHC	6.516	6.914	4828988	5538055	1.200	1.191
4) b-BHC	6.593	6.952	16470128	15712814	10.552	8.031
5) Heptachlor	6.921	7.262	6512855	14230141	1.605	3.109 #
6) d-BHC	6.747	7.229	7242394	5014338	2.409	1.308 #
7) Aldrin	7.148	7.527	3560242	3881267	0.906	0.909
8) Heptachlo...	7.625	7.978	3330067	18574906	0.911	4.625 #
9) trans-Chl...	7.715	8.127	8203989	5200877	2.228	1.307 #
10) cis-Chlor...	7.819	8.249f	2764896	74134617	0.763	19.108 #
11) Endosulfa...	7.932	8.249	66172464	74134617	19.455	20.614
12) 4,4'-DDE	7.875	8.321	2920678	2376227	0.927	0.749
13) Dieldrin	8.108	8.466	1669206	2303705	0.444	0.619 #
14) Endrin	8.254	8.678	1990830	1462248	0.726	0.592
15) 4,4'-DDD	8.306	8.722	2179426	1467894	0.801	0.515 #
16) Endosulfa...	8.443	8.837	1288362	1430492	0.437	0.439
17) 4,4'-DDT	8.499	8.949	1030177	1104251	0.445	0.473
18) Endrin Al...	8.723	9.053	699801	3938404	BelowCal	1.079
19) Endosulfa...	9.019	9.264	389975	965891	0.130	0.291 #
20) Methoxychlor	8.836	9.426	622734	601662	0.452	0.378
21) Endrin Ke...	9.227	9.648	398604	1139128	0.108	0.292 #
23) Hexachlor...	3.477	3.696	1752974	890896	0.343	0.056 #
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.542	7.877f	2979405	12095174	0.923	3.436 #
26) 2,4'-DDE	7.625	8.082	3330067	2907502	1.566	1.198 MDL=MRL
27) trans-Non...	7.803	8.162	3349682	11031656	0.927	2.798 #
28) 2,4'-DDD	8.001	8.466	16547400	2303705	8.612	0.977 #
29) 2,4'-DDT	8.174	8.678	2791953	1462248	1.301	0.563 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 16:39
 Operator : MJB
 Sample : A0J0472-01
 Misc : 1x, 8081B 2,4+4,4-DDx Only
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 18:48:58 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

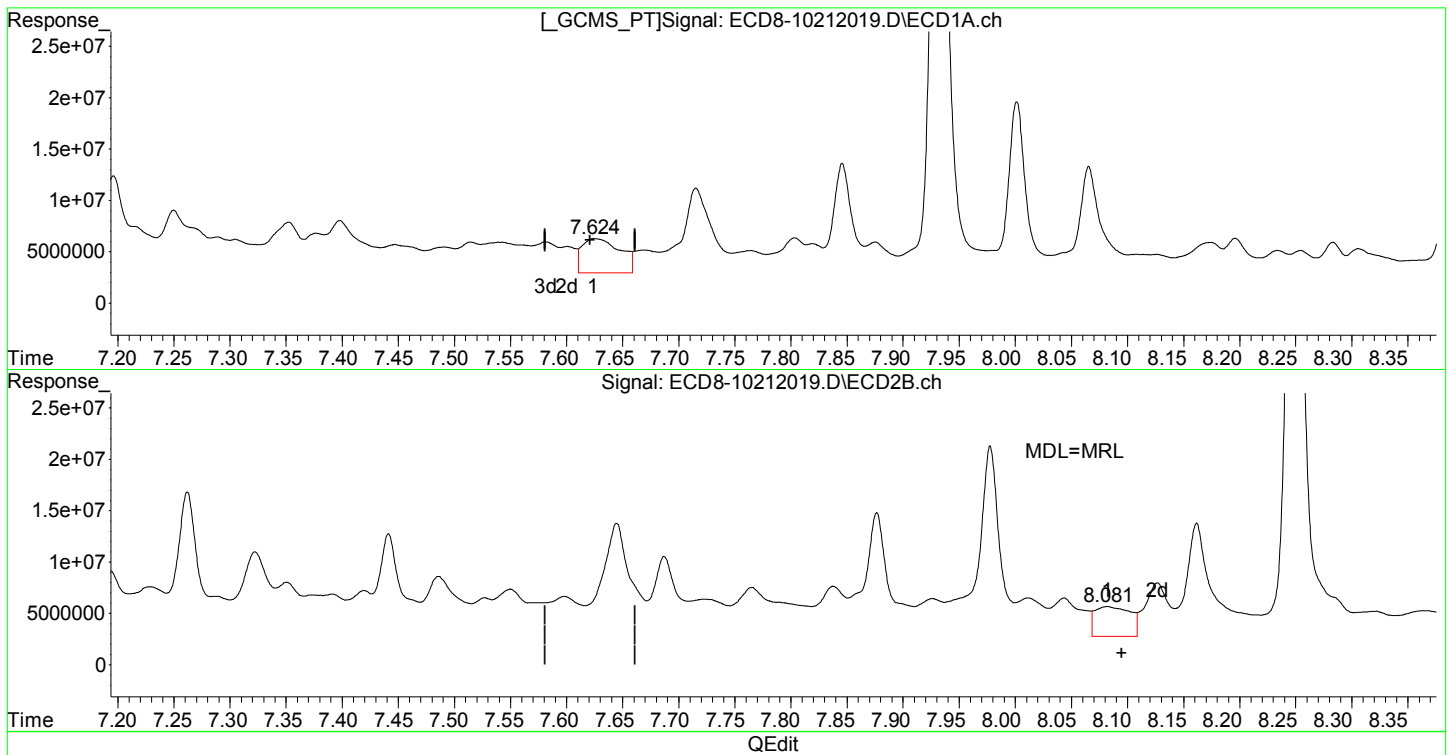
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.283	8.722	2785705	1467894	0.706	0.343 #
31)	Mirex	8.969	9.648	405739	1139128	BelowCal	0.138
32)	Chlordane...	7.715	8.127	8203989	5200877	19.915	10.676 #
33)	Chlordane...	7.819	8.249f	2764896	74134617	6.596	179.068 #
34)	Chlordane...	8.384	8.865	5397469	3827185	41.855	28.297 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.803	8.442	3349682	3116121	225.162	81.991 #
37)	Toxaphene...	8.108	8.778	1669206	1474551	50.676	31.277 #
38)	Toxaphene...	8.443f	8.837	1288362	1430492	18.585	20.339
39)	Toxaphene...	8.660	8.865f	7811579	3827185	104.965	32.125 #
40)	Toxaphene...	8.867f	9.053	3228846	3938404	54.391	57.169
41)	Toxaphene...	8.969	9.451	405739	594665	6.027	7.941 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 16:39
Operator : MJB
Sample : A0J0472-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 18:48:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.625min 1.566 ng/mL
response 3330067

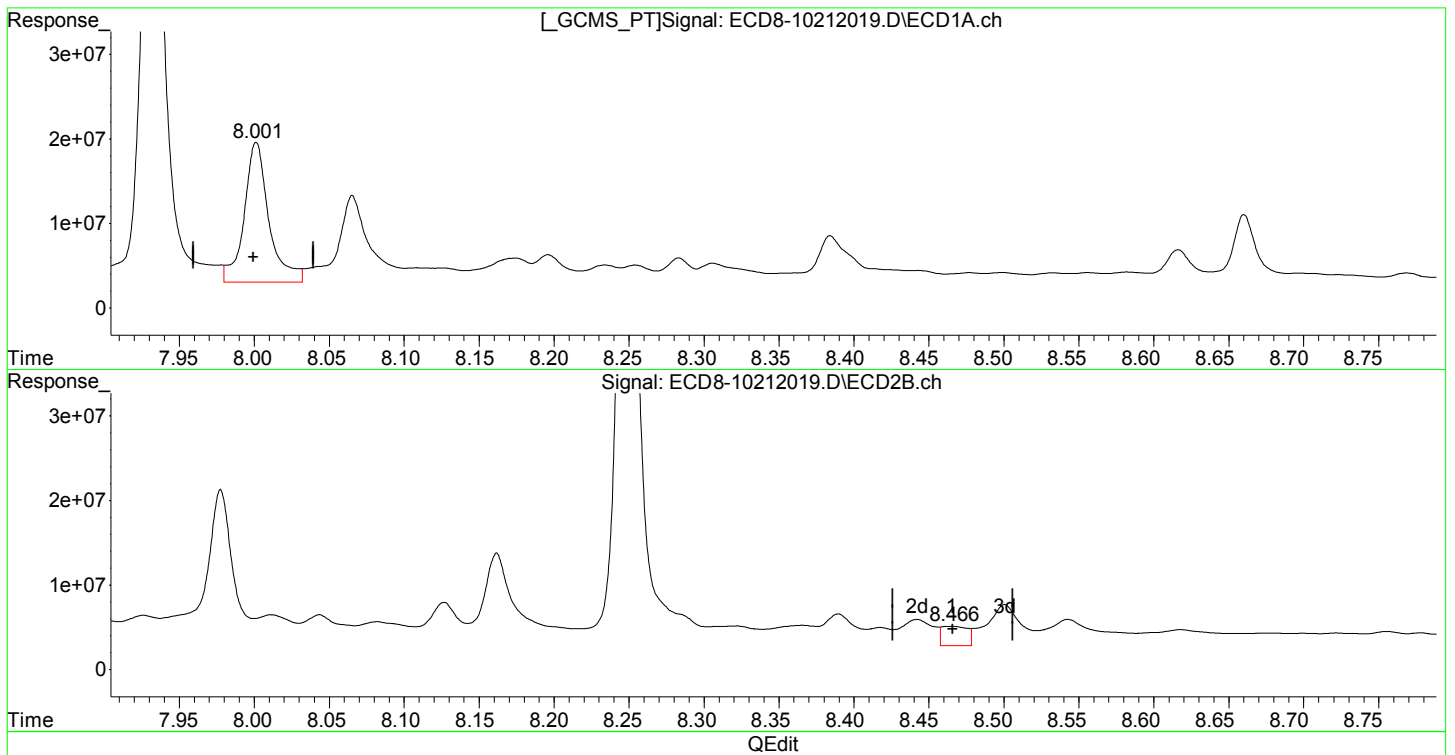
MJB 10/21/20

(26) 2,4'-DDE #2
8.082min 1.198 ng/mL
response 2907502

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 16:39
Operator : MJB
Sample : A0J0472-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 18:48:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
8.001min 8.612 ng/mL
response 16547400

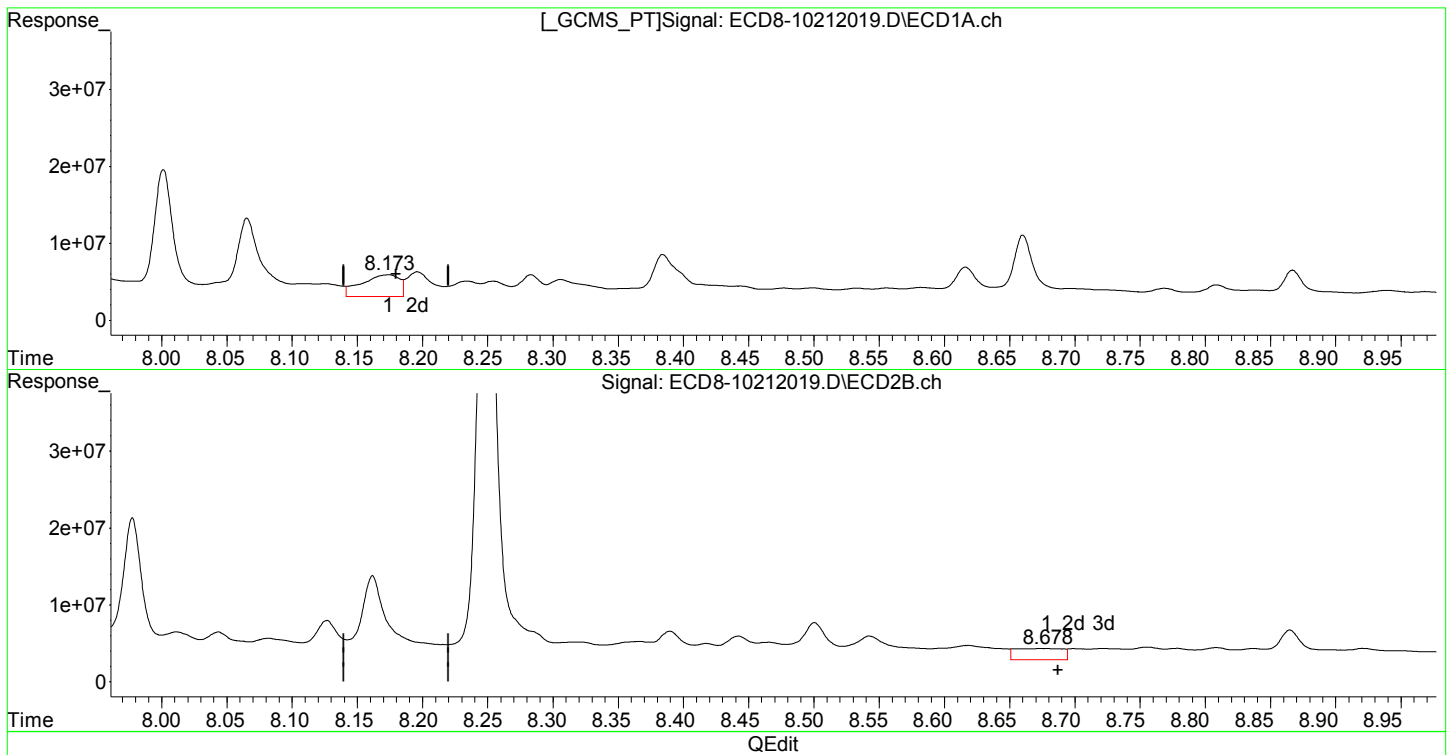
MJB 10/21/20

(28) 2,4'-DDD #2
8.466min 0.977 ng/mL
response 2303705

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 16:39
Operator : MJB
Sample : A0J0472-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 18:48:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
8.174min 1.301 ng/mL
response 2791953

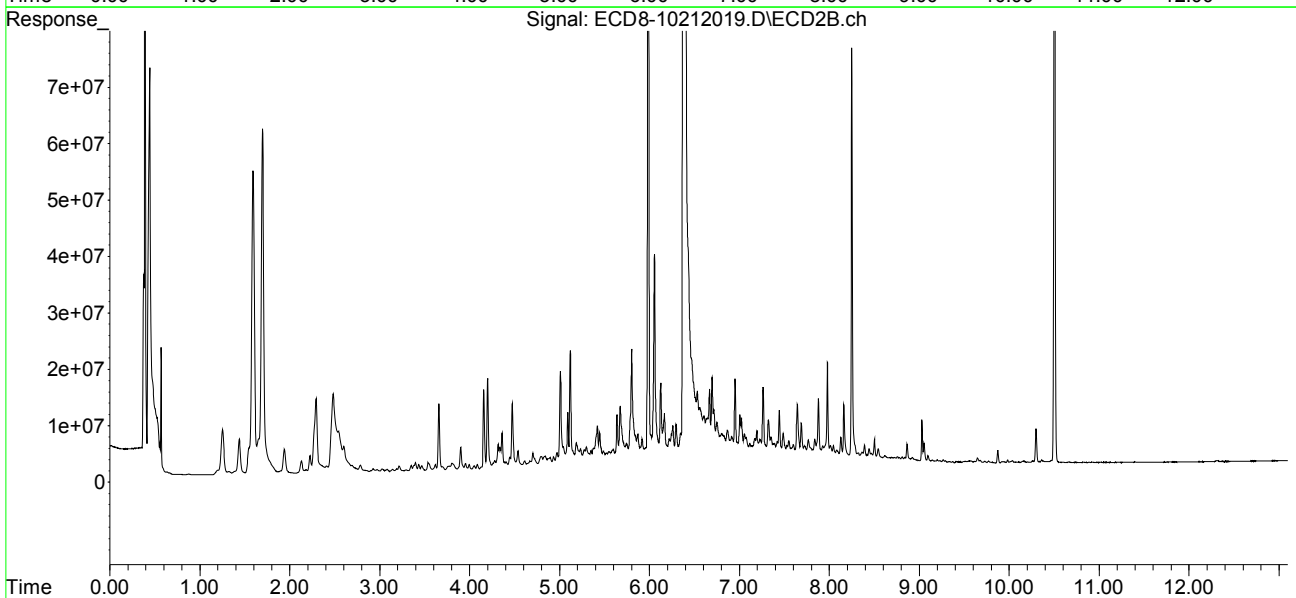
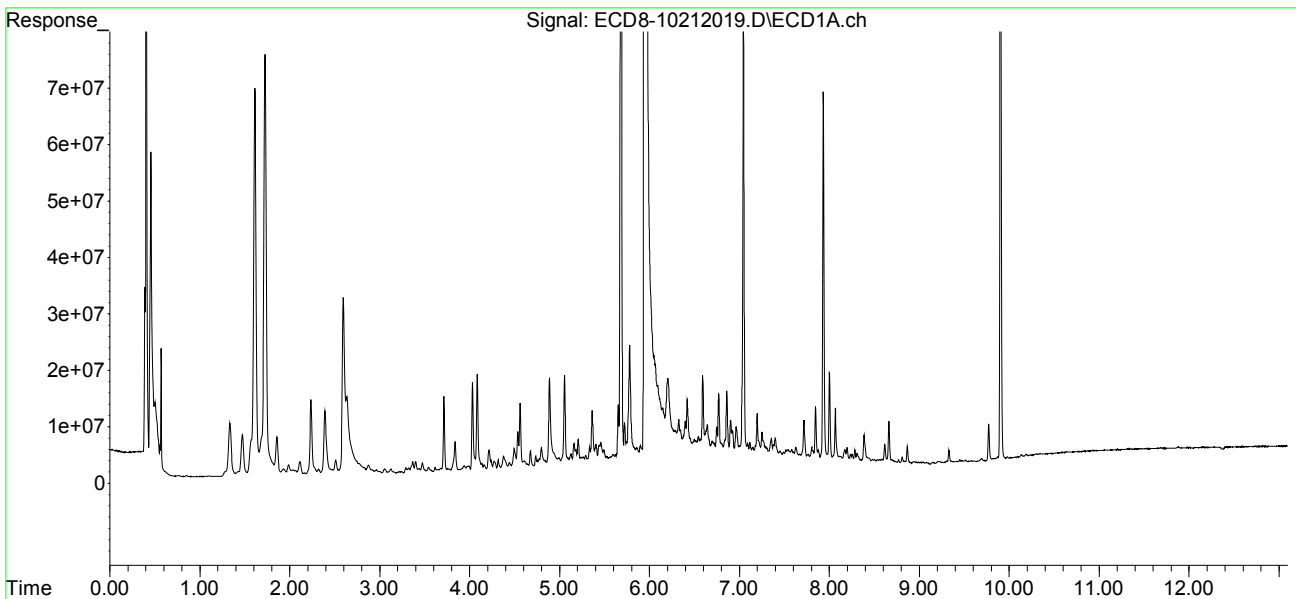
MJB 10/21/20

(29) 2,4'-DDT #2
8.678min 0.563 ng/mL
response 1462248

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 16:39
Operator : MJB
Sample : A0J0472-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 18:48:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 17:45
 Operator : MJB
 Sample : 0J21047-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 19:11:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.680	5.986	177.9E6	204.2E6	50.303	51.037
22) S DCBP (S)	9.901	10.501	121.5E6	112.6E6	48.480	46.540
Target Compounds						
2) a-BHC	6.231	6.582	245.3E6	291.6E6	52.063	54.524
3) g-BHC	6.518	6.897	215.5E6	252.3E6	53.543	54.254
4) b-BHC	6.599	6.963	82206904	99804387	52.668	51.008
5) Heptachlor	6.917	7.271	205.3E6	244.7E6	50.592	53.454
6) d-BHC	6.754	7.212	184.2E6	234.2E6	54.629	52.788
7) Aldrin	7.160	7.534	202.2E6	233.6E6	51.483	54.713
8) Heptachlo...	7.629	7.967	183.7E6	202.7E6	50.241	50.481
9) trans-Chl...	7.722	8.108	190.5E6	207.9E6	51.729	52.238
10) cis-Chlor...	7.819	8.214	185.6E6	199.5E6	51.227	51.431
11) Endosulfa...	7.923	8.264	170.4E6	189.3E6	50.093	52.629
12) 4,4'-DDE	7.871	8.316	177.1E6	203.0E6	56.209	53.780
13) Dieldrin	8.097	8.462	197.0E6	212.6E6	52.434	51.687
14) Endrin	8.267	8.686	134.1E6	143.8E6	48.915	50.036
15) 4,4'-DDD	8.301	8.729	148.5E6	168.5E6	54.609	53.116
16) Endosulfa...	8.429	8.832	149.5E6	162.5E6	50.770	49.901
17) 4,4'-DDT	8.497	8.954	134.3E6	150.8E6	49.226	49.223
18) Endrin Al...	8.723	9.067	141.4E6	148.8E6	49.519	48.867
19) Endosulfa...	9.029	9.261	143.7E6	160.8E6	48.078	48.400
20) Methoxychlor	8.829	9.419	61822815	70229563	44.910	46.076
21) Endrin Ke...	9.231	9.652	190.2E6	200.1E6	51.436	51.227
23) Hexachlor...	0.000	3.716	0	53504	N.D.	BelowCal
24) Hexachlor...	6.068	6.450	380899	12722	0.114	0.003 #
25) Oxychlorane	7.563	7.891	854640	181231	0.265	0.051 #
26) 2,4'-DDE	7.629	8.108	183.7E6	207.9E6	86.361	85.682
27) trans-Non...	7.819	8.172	185.6E6	636119	51.354	0.161 #
28) 2,4'-DDD	0.000	8.462	0	212.6E6	N.D.	95.180 #
29) 2,4'-DDT	8.177	8.686	545285	143.8E6	0.254	61.882 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 17:45
 Operator : MJB
 Sample : 0J21047-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 19:11:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

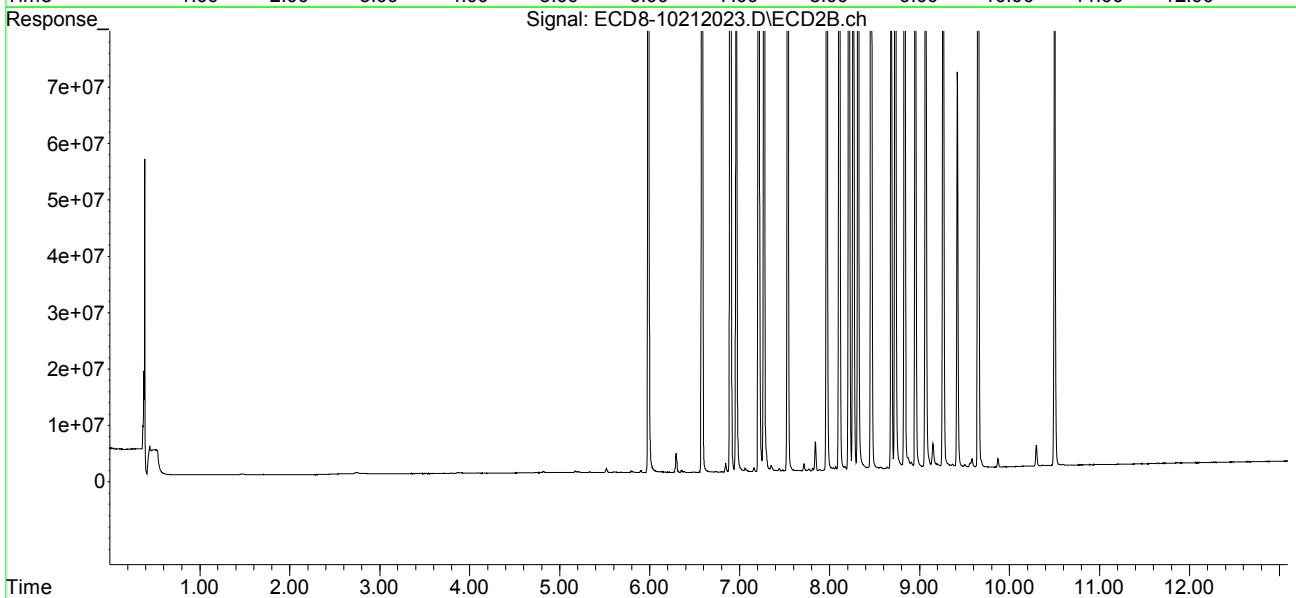
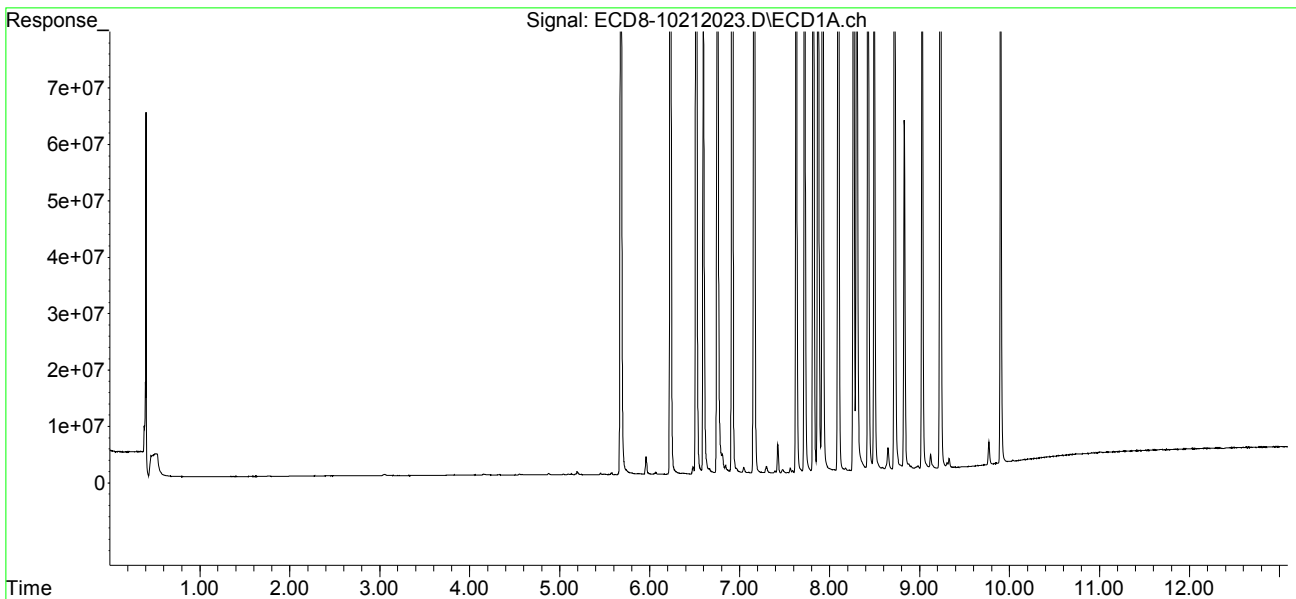
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.301	8.729	148.5E6	168.5E6	37.661	39.382
31)	Mirex	8.963	9.652	330090	200.1E6	BelowCal	79.960
32)	Chlordane...	7.722	8.108	190.5E6	207.9E6	462.436	426.814
33)	Chlordane...	7.819	8.214	185.6E6	199.5E6	442.685	481.966
34)	Chlordane...	0.000	8.871	0	1968636	N.D.	14.556 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.462	185.6E6	212.6E6	12472.853	5593.469 #
37)	Toxaphene...	8.097	0.000	197.0E6	0	5980.407	N.D. #
38)	Toxaphene...	8.429	8.832	149.5E6	162.5E6	2157.112	2310.122
39)	Toxaphene...	8.648	8.905	3851733	1182466	51.756	9.926 #
40)	Toxaphene...	8.902	9.067	502160	148.8E6	8.459	2159.741 #
41)	Toxaphene...	8.963	9.419f	330090	70229563	4.903	937.873 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 17:45
Operator : MJB
Sample : 0J21047-CCV5
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 19:11:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 18:02
 Operator : MJB
 Sample : 0J21047-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 19:12:10 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.651f	5.984	1351845	19126	0.382	0.005 #
22) S DCBP (S)	9.920	10.505	311273	110012	BelowCal	0.045
Target Compounds						
2) a-BHC	6.231	6.576	265193	236868	0.056	0.044
3) g-BHC	6.518	6.897	61045	47572	0.015	0.010 #
4) b-BHC	6.613	6.971	43452	59174	0.028	0.030
5) Heptachlor	6.920	7.271	367901	406982	0.091	0.089
6) d-BHC	6.764	7.218	50204	60932	0.074	0.082
7) Aldrin	7.157	7.532	43631	42891	0.011	0.010
8) Heptachlo...	7.620	8.006f	106.2E6	877091	29.061	0.218 #
9) trans-Chl...	7.722	8.094	687278	121.2E6	0.187	30.459 #
10) cis-Chlor...	7.806	8.207	172.9E6	2118233	47.724	0.546 #
11) Endosulfa...	7.904f	8.262	436117	281351	0.128	0.078 #
12) 4,4'-DDE	7.904f	8.354f	436117	108427	0.138	0.080 #
13) Dieldrin	8.074f	8.465	1283329	111.3E6	0.342	27.989 #
14) Endrin	8.285	8.686	181.0E6	108.3E6	66.019	38.570 #
15) 4,4'-DDD	8.285	8.732	181.0E6	203.1E6	66.570	62.891
16) Endosulfa...	8.436	8.834	170155	142461	0.058	0.044
17) 4,4'-DDT	8.499	8.944	92442	126851	0.069	0.110 #
18) Endrin Al...	8.724	9.074	175162	218504	BelowCal	BelowCal
19) Endosulfa...	9.064f	9.263	588312	48521	0.197	0.015 #
20) Methoxychlor	8.833	9.422	15307	37718	0.011	BelowCal #
21) Endrin Ke...	9.236	9.642	41833	114.6E6	0.011	29.340 #
23) Hexachlor...	3.473	3.700	181.0E6	221.1E6	55.651	55.926
24) Hexachlor...	6.068	6.451	155.8E6	188.2E6	46.565	47.288
25) Oxychlorane	7.552	7.900	150.1E6	164.5E6	46.474	46.738
26) 2,4'-DDE	7.620	8.094	106.2E6	121.2E6	49.955	49.960
27) trans-Non...	7.806	8.174	172.9E6	192.3E6	47.843	48.769
28) 2,4'-DDD	7.999	8.465	93637520	111.3E6	48.735	52.275
29) 2,4'-DDT	8.179	8.686	94704661	108.3E6	44.131	47.814

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 18:02
 Operator : MJB
 Sample : 0J21047-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 19:12:10 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

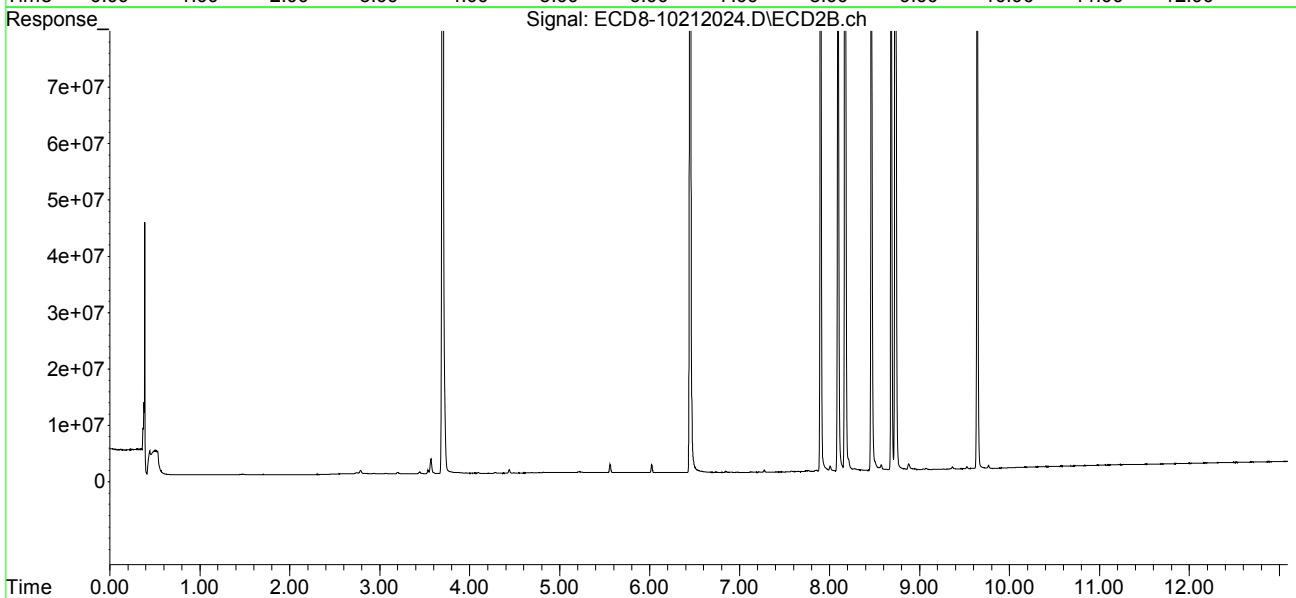
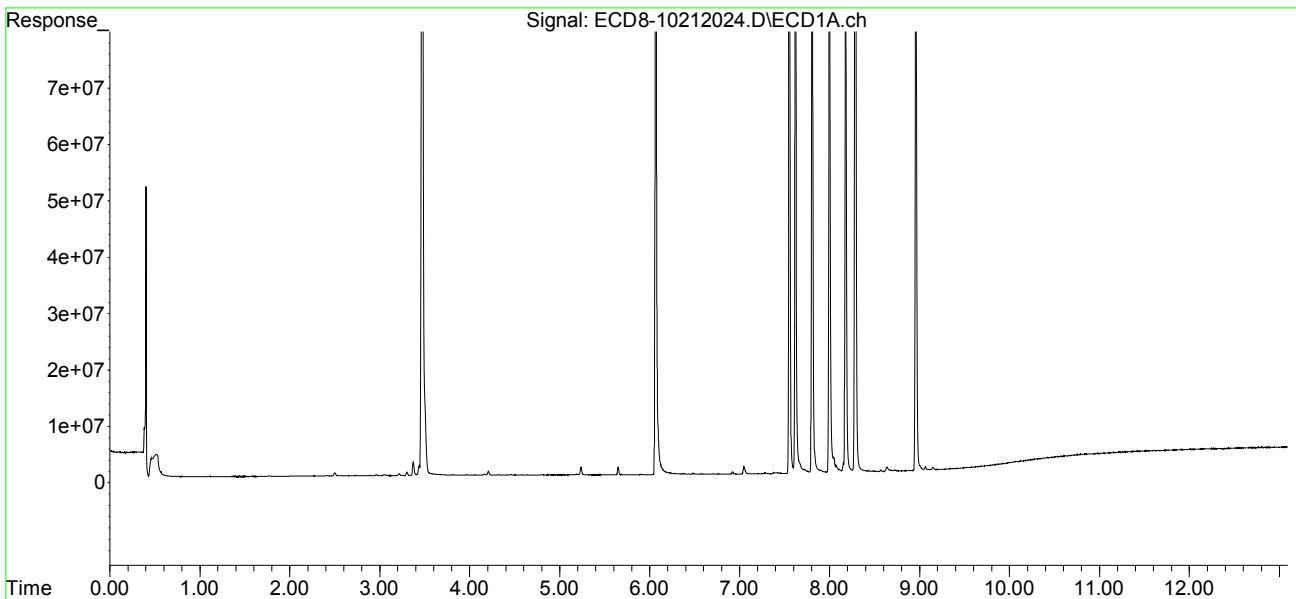
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.732	181.0E6	203.1E6	45.909	47.483
31)	Mirex	8.960	9.642	111.9E6	114.6E6	47.465	46.699
32)	Chlordane...	7.722	8.094	687278	121.2E6	1.668	248.869 #
33)	Chlordane...	7.806	8.207	172.9E6	2118233	412.418	5.116 #
34)	Chlordane...	0.000	8.879	0	1021459	N.D.	7.552 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.806	8.465f	172.9E6	111.3E6	11620.068	2929.509 #
37)	Toxaphene...	8.074f	0.000	1283329	0	38.961	N.D. #
38)	Toxaphene...	8.436	8.834	170155	142461	2.455	2.026
39)	Toxaphene...	8.636f	8.879	780538	1021459	10.488	8.574
40)	Toxaphene...	8.877	9.074	12978	218504	0.219	3.172 #
41)	Toxaphene...	8.960	9.444	111.9E6	41315	1662.330	0.552 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 18:02
Operator : MJB
Sample : 0J21047-CCV6
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 19:12:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 18:18
 Operator : MJB
 Sample : 0J21047-CCB3
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 19:13:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.680	5.986	319.6E6	381.6E6	90.369	95.383
22) S DCBP (S)	9.902	10.502	212.8E6	204.6E6	84.765	84.589
Target Compounds						
2) a-BHC	6.271f	6.581	20690	14895	0.004	0.003 #
3) g-BHC	6.519	6.912	19623	75124	0.005	0.016 #
4) b-BHC	6.597	6.973	141972	111503	0.091	0.057 #
5) Heptachlor	6.929	7.238f	364224	252569	0.090	0.055 #
6) d-BHC	6.760	7.221	129858	268773	0.100	0.134 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.632	7.935f	10316	1139171	0.003	0.284 #
9) trans-Chl...	7.721	8.114	75162	1284668	0.020	0.323m#
10) cis-Chlor...	7.807	0.000	13688	0	0.004	N.D. #
11) Endosulfa...	7.892f	8.264	6073	255127	0.002	0.071 #
12) 4,4'-DDE	7.865	8.302	8838	237585	0.003	0.118 #
13) Dieldrin	8.099	8.483	18305	193838	0.005	0.067 #
14) Endrin	8.279	8.689	7321	150536	0.003	0.085 #
15) 4,4'-DDD	8.313	8.732	7914	128301	0.003	0.047 #
16) Endosulfa...	8.429	8.838	32681	106977	0.011	0.033 #
17) 4,4'-DDT	8.497	8.975f	105057	97691	0.074	0.099 #
18) Endrin Al...	8.723	9.065	174069	129115	BelowCal	BelowCal
19) Endosulfa...	9.034	9.261	38313	39174	0.013	0.012
20) Methoxychlor	8.835	9.459f	43536	26351	0.032	BelowCal #
21) Endrin Ke...	9.232	9.654	39150	65054	0.011	0.017 #
23) Hexachlor...	0.000	3.685	0	9557	N.D.	BelowCal
24) Hexachlor...	6.069	6.450	3714258	30965	1.110	0.008 #
25) Oxychlorane	0.000	7.902	0	1244864	N.D.	0.354 #
26) 2,4'-DDE	7.620	8.063f	7208	690097	0.003	0.284m#
27) trans-Non...	7.807	0.000	13688	0	0.004	N.D. #
28) 2,4'-DDD	8.005	8.483	7838	193838	0.004	BelowCal #
29) 2,4'-DDT	8.178	8.689	48531	150536	0.023	BelowCal #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 18:18
 Operator : MJB
 Sample : 0J21047-CCB3
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 19:13:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

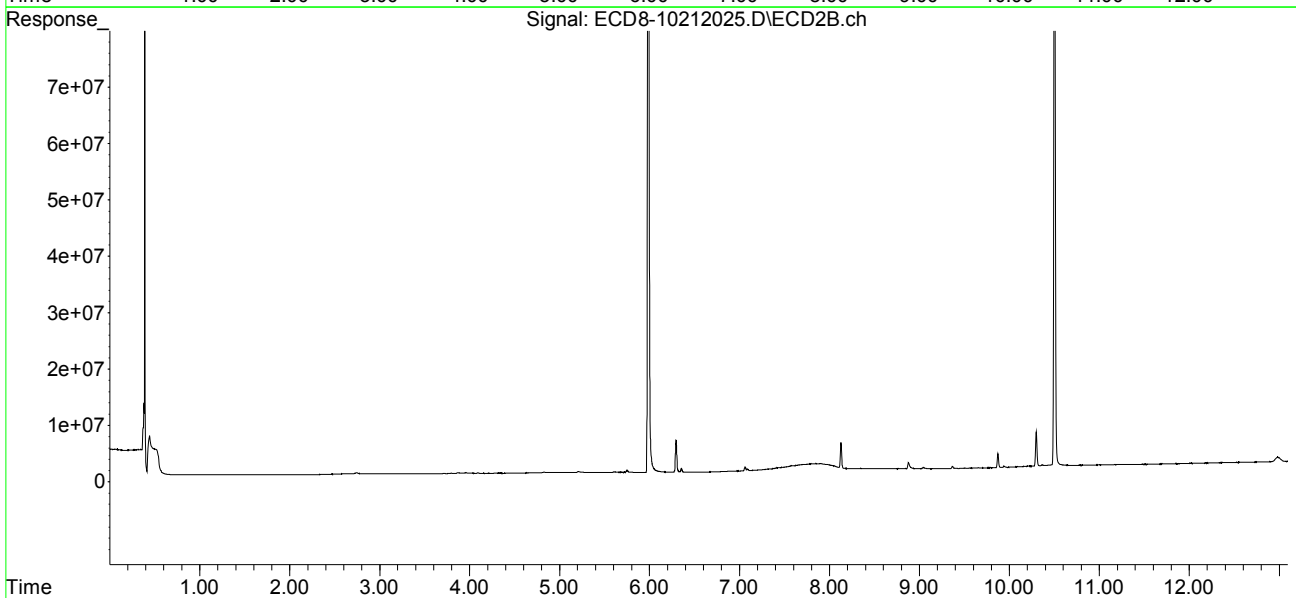
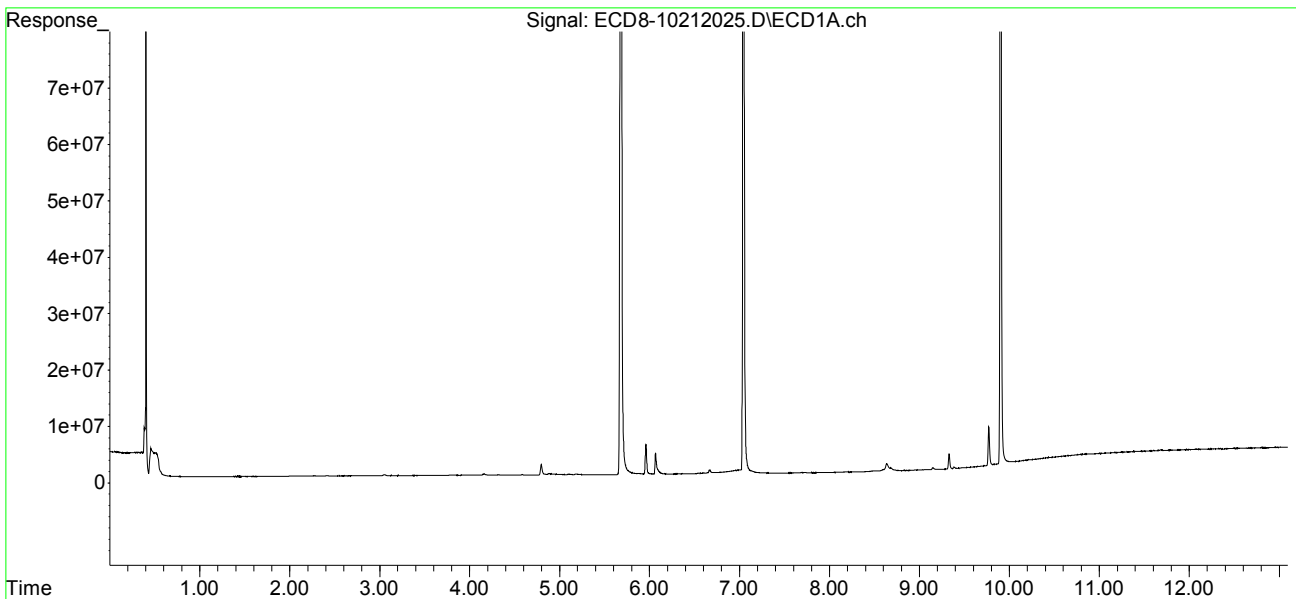
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.284	8.732	12469	128301	0.003	0.030 #
31)	Mirex	8.951	9.654	60417	65054	BelowCal	BelowCal
32)	Chlordane...	7.721	8.127	75162	4845406	0.182	9.947 #
33)	Chlordane...	7.807	0.000	13688	0	0.033	N.D. #
34)	Chlordane...	8.376	8.878	12261	1199593	0.095	8.869 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.801	8.406f	13129	209094	0.882	5.502 #
37)	Toxaphene...	8.099	8.775	18305	125229	0.556	2.656 #
38)	Toxaphene...	8.412	8.838	11703	106977	0.169	1.521 #
39)	Toxaphene...	8.635f	8.878	1349046	1199593	18.127	10.069 #
40)	Toxaphene...	8.890	9.065	13151	129115	0.222	1.874 #
41)	Toxaphene...	8.971	9.459	20700	26351	0.307	0.352
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 18:18
Operator : MJB
Sample : 0J21047-CCB3
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

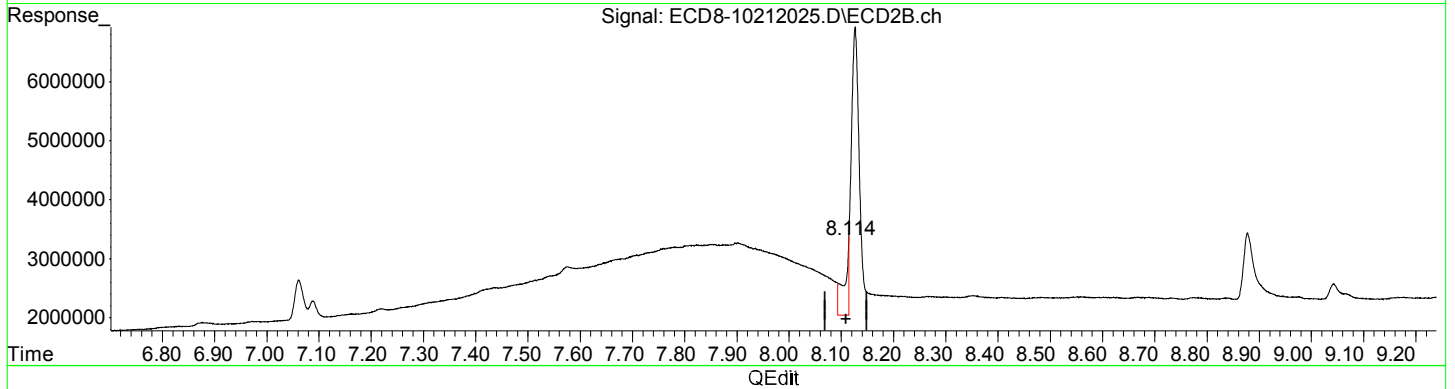
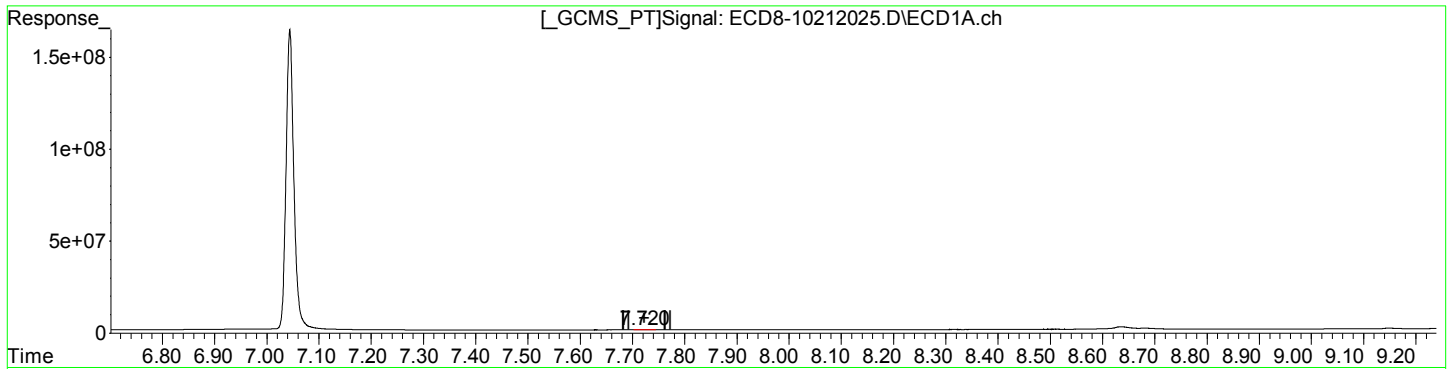
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 19:13:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 18:18
Operator : MJB
Sample : 0J21047-CCB3
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 19:13:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(9) trans-Chlordane
7.721min 0.020 ng/mL
response 75162

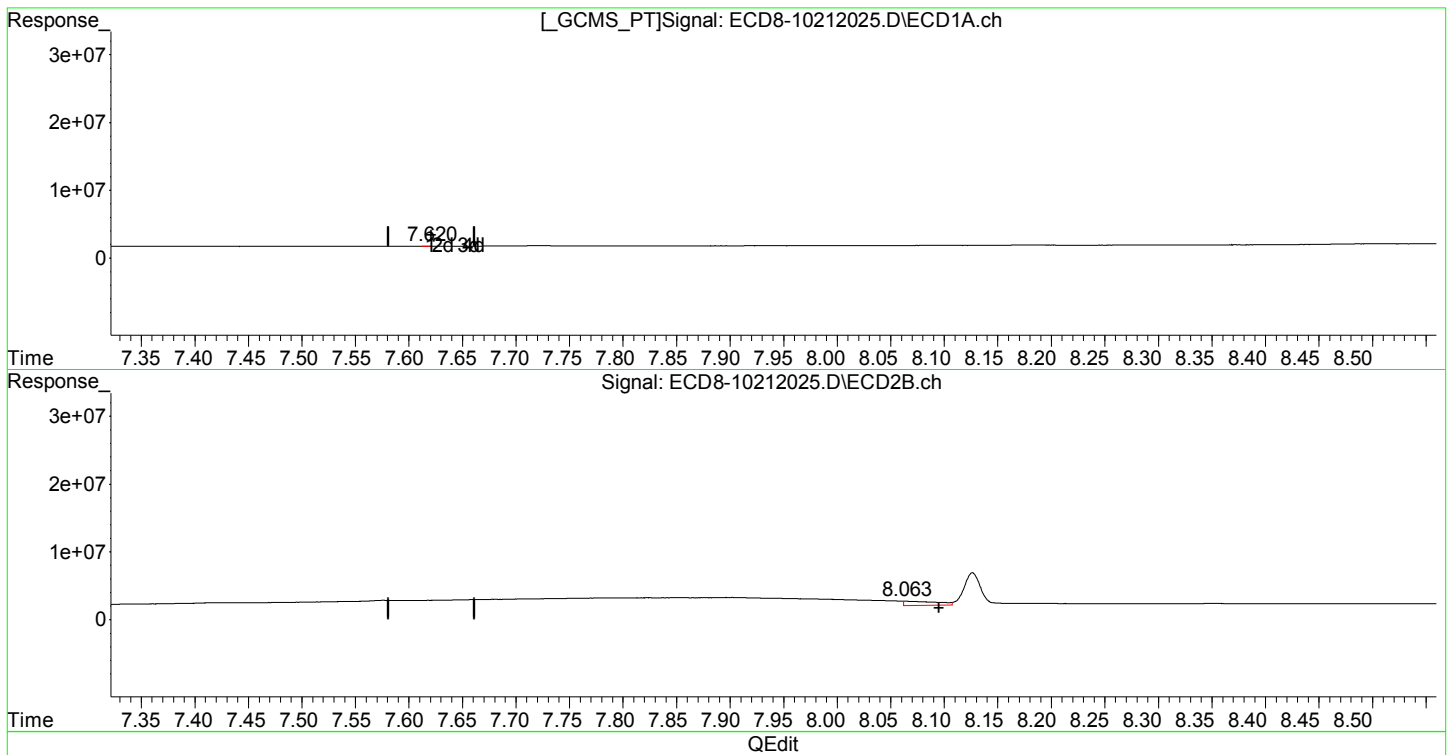
(9) trans-Chlordane #2
8.114min 0.323 ng/mL m
response 1284668

MJB 10/21/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 18:18
Operator : MJB
Sample : 0J21047-CCB3
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 19:13:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.620min 0.003 ng/mL
response 7208

MJB 10/21/20

(26) 2,4'-DDE #2
8.063min 0.284 ng/mL m
response 690097

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 18:18
 Operator : MJB
 Sample : 0J21047-CCB3
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

MI

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 19:13:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.680	5.986	319.6E6	381.6E6	90.369	95.383
22) S DCBP (S)	9.902	10.502	212.8E6	204.6E6	84.765	84.589
Target Compounds						
2) a-BHC	6.271f	6.581	20690	14895	0.004	0.003 #
3) g-BHC	6.519	6.912	19623	75124	0.005	0.016 #
4) b-BHC	6.597	6.973	141972	111503	0.091	0.057 #
5) Heptachlor	6.929	7.238f	364224	252569	0.090	0.055 #
6) d-BHC	6.760	7.221	129858	268773	0.100	0.134 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.632	7.935f	10316	1139171	0.003	0.284 #
9) trans-Chl...	7.721	8.127	75162	4845406	0.020	1.217 #
10) cis-Chlor...	7.807	0.000	13688	0	0.004	N.D. #
11) Endosulfa...	7.892f	8.264	6073	255127	0.002	0.071 #
12) 4,4'-DDE	7.865	8.302	8838	237585	0.003	0.118 #
13) Dieldrin	8.099	8.483	18305	193838	0.005	0.067 #
14) Endrin	8.279	8.689	7321	150536	0.003	0.085 #
15) 4,4'-DDD	8.313	8.732	7914	128301	0.003	0.047 #
16) Endosulfa...	8.429	8.838	32681	106977	0.011	0.033 #
17) 4,4'-DDT	8.497	8.975f	105057	97691	0.074	0.099 #
18) Endrin Al...	8.723	9.065	174069	129115	BelowCal	BelowCal
19) Endosulfa...	9.034	9.261	38313	39174	0.013	0.012
20) Methoxychlor	8.835	9.459f	43536	26351	0.032	BelowCal #
21) Endrin Ke...	9.232	9.654	39150	65054	0.011	0.017 #
23) Hexachlor...	0.000	3.685	0	9557	N.D.	BelowCal
24) Hexachlor...	6.069	6.450	3714258	30965	1.110	0.008 #
25) Oxychlorane	0.000	7.902	0	1244864	N.D.	0.354 #
26) 2,4'-DDE	7.620	8.127f	7208	4845406	0.003	1.997 #
27) trans-Non...	7.807	0.000	13688	0	0.004	N.D. #
28) 2,4'-DDD	8.005	8.483	7838	193838	0.004	BelowCal #
29) 2,4'-DDT	8.178	8.689	48531	150536	0.023	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
 Data File : ECD8-10212025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2020 18:18
 Operator : MJB
 Sample : 0J21047-CCB3
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 19:13:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

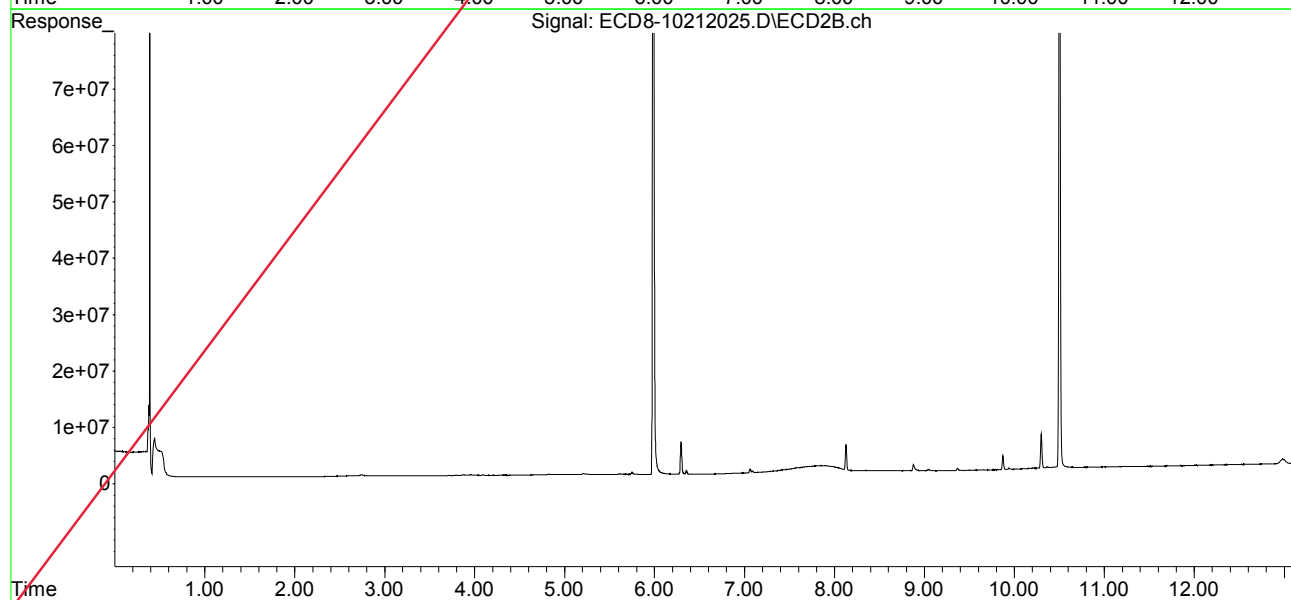
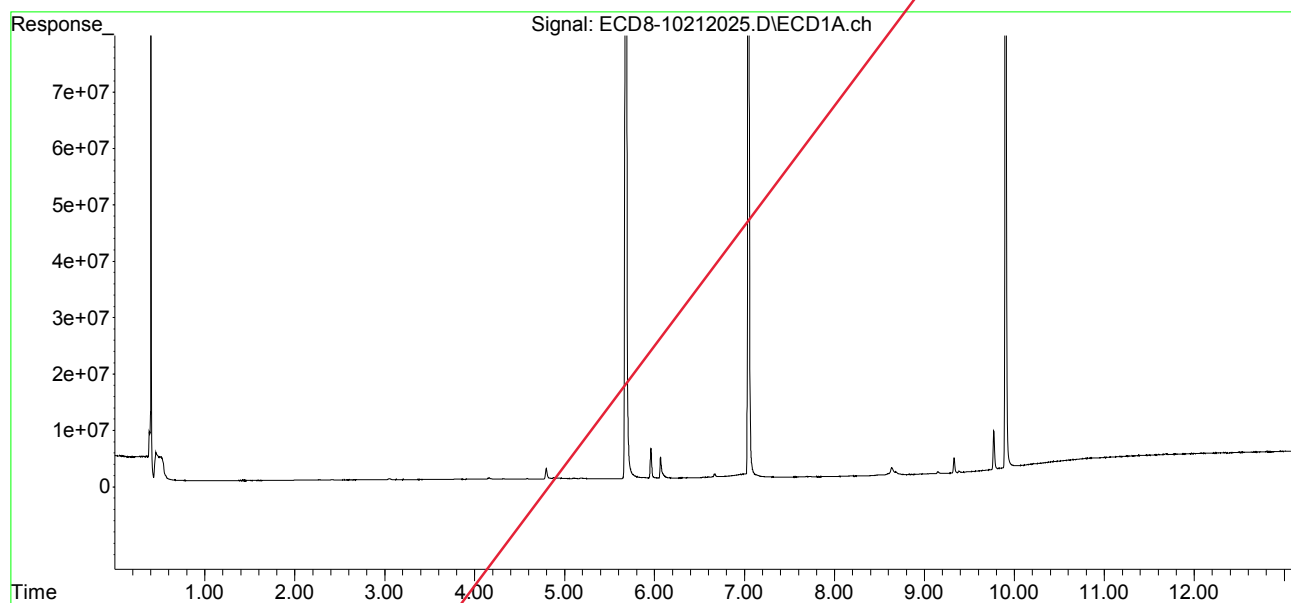
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.284	8.732	12469	128301	0.003	0.030 #
31)	Mirex	8.951	9.654	60417	65054	BelowCal	BelowCal
32)	Chlordane...	7.721	8.127	75162	4845406	0.182	9.947 #
33)	Chlordane...	7.807	0.000	13688	0	0.033	N.D. #
34)	Chlordane...	8.376	8.878	12261	1199593	0.095	8.869 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.801	8.406f	13129	209094	0.882	5.502 #
37)	Toxaphene...	8.099	8.775	18305	125229	0.556	2.656 #
38)	Toxaphene...	8.412	8.838	11703	106977	0.169	1.521 #
39)	Toxaphene...	8.635f	8.878	1349046	1199593	18.127	10.069 #
40)	Toxaphene...	8.890	9.065	13151	129115	0.222	1.874 #
41)	Toxaphene...	8.971	9.459	20700	26351	0.307	0.352
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J21047\
Data File : ECD8-10212025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2020 18:18
Operator : MJB
Sample : 0J21047-CCB3
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 19:13:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0100835
Sequence 0J26062 (A0J0472-02RE1)




Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100835 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-11	>11
	0100835-BLK1	QC	10/22/20 11:08	11	10				100					
	0100835-BS1	QC	10/22/20 11:08	10	10	A20I454		100	100					
	A0J0343-01RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	5.1	10				100	USMPDI-026SG-201008	Re-extract added 10/22/2020 by MJB			
	A0J0343-02RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	5.13	10				100	USMPDI-033SG-201008	Re-extract added 10/22/2020 by MJB			
	A0J0343-03RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	5.09	10				100	USMPDI-038SG-201008	Re-extract added 10/22/2020 by MJB			
	A0J0343-04RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	5.11	10				100	USMPDI-044SG-201008	Re-extract added 10/22/2020 by MJB			
	A0J0343-05RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	5.17	10				100	USMPDI-049SG-201008	Re-extract added 10/22/2020 by MJB			
	A0J0343-06RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	5.11	10				100	USMPDI-052SG-201008	Re-extract added 10/22/2020 by MJB			
	A0J0343-07RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	5.14	10				100	USMPDI-053SG-201008	Re-extract added 10/22/2020 by MJB			
	A0J0472-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.68	10				100	USMPDI-002SG-201012	From 0100768 by agr on 10/23/20			
	0100835-DUP1	QC	10/22/20 11:08	10.67	10		A0J0472-02RE1		100					
	A0J0472-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.42	10				100	USMPDI-004SG-201012	From 0100768 by agr on 10/23/20			
	A0J0472-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.37	10				100	USMPDI-007SG-201012	From 0100768 by agr on 10/23/20			
	A0J0472-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.29	10				100	USMPDI-009SG-201012	From 0100768 by agr on 10/23/20			
	A0J0472-06RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.48	10				100	USMPDI-025SG-201012	From 0100768 by agr on 10/23/20			
	0100835-MS1	QC	10/22/20 11:08	5.2	10	A20I454	A0J0472-06RE1	100	100					
	A0J0494-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.23	10				100	NCPDI-025SG-00-10-201013	MDL			
	A0J0494-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.15	10				100	NCPDI-037SG-00-10-201013	MDL			
	A0J0494-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.26	10				100	NCPDI-039SG-00-10.3-201013	MDL			
	A0J0494-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.14	10				100	NCPDI-042SG-00-7.8-201013	MDL			

Prepared By: _____ Date _____


 Reviewed By: _____ Date 10/26/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100835 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-11	>11
	A0J0494-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.27	10				100	NCPDI-066SG-00-9.7-201013	MDL			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20H026	01/31/21	DCM CHEM PROD. DZ242-US	A20I454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A20J393	04/19/21	8082 PCB Surrogate Spike
A20J198	04/11/24	n-Hexane Lot# 0000265075						

From 0100768 on 10/23/2020 by agr

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: **0100835 (Sediment)**

Prep Method: EPA 3546

371 GIPC#1

In | Out

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
3	0100835-BLK1	QC	10/23/20 11:08	11	5/10				100				
4	0100835-BS1	QC	10/23/20 11:08	10	5/10	A201454		100	100				
5	A0J0343-01RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 17:43	5.1	5/10				100	USMPDI-026SG-201008	Re-extract added 10/22/2020 by MJB	1ml	2ml
6	A0J0343-02RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 17:43	5.13	5/10				100	USMPDI-033SG-201008	Re-extract added 10/22/2020 by MJB	1ml	2ml
7	A0J0343-03RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 17:43	5.09	5/10				100	USMPDI-038SG-201008	Re-extract added 10/22/2020 by MJB	1ml	2ml
8	A0J0343-04RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 17:43	5.11	5/10				100	USMPDI-044SG-201008	Re-extract added 10/22/2020 by MJB	1ml	2ml
9	A0J0343-05RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 17:43	5.17	5/10				100	USMPDI-049SG-201008	Re-extract added 10/22/2020 by MJB	1ml	2ml
10	A0J0343-06RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 17:43	5.11	5/10				100	USMPDI-052SG-201008	Re-extract added 10/22/2020 by MJB	1ml	2ml
11	A0J0343-07RE3	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 17:43	5.14	5/10				100	USMPDI-053SG-201008	Re-extract added 10/22/2020 by MJB	1ml	2ml
12	A0J0472-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 11:08	10.68	5/10				100	USMPDI-002SG-201012	From 0100768 by agr on 10/23/20	1ml	2ml
13	0100835-DUP1	QC	10/23/20 11:08	10.67	5/10		A0J0472-02RE1		100			1ml	2ml
14	A0J0472-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 11:08	10.42	5/10				100	USMPDI-004SG-201012	From 0100768 by agr on 10/23/20	1ml	2ml
15	A0J0472-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 11:08	10.37	5/10				100	USMPDI-007SG-201012	From 0100768 by agr on 10/23/20	1ml	2ml
16	A0J0472-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 11:08	10.29	5/10				100	USMPDI-009SG-201012	From 0100768 by agr on 10/23/20	1ml	2ml
17	A0J0472-06RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 11:08	10.48	5/10				100	USMPDI-025SG-201012	From 0100768 by agr on 10/23/20	1ml	2ml
18	0100835-MS1	QC	10/23/20 11:08	5.2	5/10	A201454	A0J0472-06RE1	100	100			1ml	2ml
19	A0J0494-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 12:55	10.23	5/10				100	NCPDI-025SG-0-10-201013	MDL	1ml	2ml
20	A0J0494-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 12:55	10.15	5/10				100	NCPDI-037SG-0-10-201013	MDL	1ml	2ml
21	A0J0494-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 12:55	10.26	5/10				100	NCPDI-039SG-0-10.3-201013	MDL	1ml	2ml
22	A0J0494-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 12:55	10.14	5/10				100	NCPDI-042SG-0-7.8-201013	MDL	1ml	2ml

Prepared By: AGG Date: 10-23-2020

Reviewed By: CS Date: 10/26/2020

AGG
10-24-2020
10-26-20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100835 (Sediment)

Prep Method: EPA 3546

In Out

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction	Comments	pH	
													<2	>11
23	A0J0494-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	10/23/20 12:55 22	10.27	10				100	NCPDI-066SG-0 0-9.7-201013	MDL	2ul		

Standards/Reagents

10/27/20

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20H026	01/31/21	DCM CHEM PROD. DZ242-US	A20I454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A20J393	04/19/21	8082 PCB Surrogate Spike
A20J198	04/11/24	n-Hexane Lot# 0000265075						
A20J305								

From 0100768 on 10/23/2020 by agr

On GPC #1

* = Overpressured on injection

Ⓢ = staining on turbovap tube during/after solvent exchange.

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100768 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	0100768-BLK1	QC	10/22/20 11:08	11	5				100				
	0100768-BS1	QC	10/22/20 11:08	10	5	A201454		100	100				
31	A0J0343-01RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 5.10	5 ✓				100	USMPDI-026SG-201008	Re-extract added 10/22/2020 by MJB sediment # 5		
32	A0J0343-02RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 5.13	5 ✓				100	USMPDI-033SG-201008	Re-extract added 10/22/2020 by MJB Sediment # 5		
33	A0J0343-03RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 5.09	5 ✓				100	USMPDI-038SG-201008	Re-extract added 10/22/2020 by MJB Sediment # 5		
34	A0J0343-04RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 5.11	5 ✓				100	USMPDI-044SG-201008	Re-extract added 10/22/2020 by MJB Sediment # 5		
35	A0J0343-05RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 5.17	5 ✓				100	USMPDI-049SG-201008	Re-extract added 10/22/2020 by MJB sediment # 5		
36	A0J0343-06RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 5.11	5 ✓				100	USMPDI-052SG-201008	Re-extract added 10/22/2020 by MJB Sediment # 5		
	A0J0343-07RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10	5				100	USMPDI-053SG-201008	Re-extract added 10/22/2020 by MJB		
	A0J0472-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.68	5				100	USMPDI-002SG-201012			
	0100768-DUP1	QC	10/22/20 11:08	10.67	5		A0J0472-02		100				
	A0J0472-03	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.42	5				100	USMPDI-004SG-201012			
	A0J0472-04	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.37	5				100	USMPDI-007SG-201012			
	A0J0472-05	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.29	5				100	USMPDI-009SG-201012			
	A0J0472-06	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.48	5				100	USMPDI-025SG-201012			
	0100768-MS1	QC	10/22/20 11:08	5.2	5	A201454	A0J0472-06	100	100				
	A0J0494-01	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.23	5				100	NCPDI-025SG-00-10-201013	MDL		
	A0J0494-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.15	5				100	NCPDI-037SG-00-10-201013	MDL		
	A0J0494-03	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.26	5				100	NCPDI-039SG-00-10.3-201013	MDL		
	A0J0494-04	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.14	5				100	NCPDI-042SG-00-7.8-201013	MDL		

Prepared By: cas Date: 10/22/2020
Amst 10/22/20

Reviewed By: Ju Date: 10/22/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100768 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	A0J0494-05	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.27	5				100	NCPDI-066SG-00-9.7-201013	MDL		

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s) CAS		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20I454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A20J393	04/19/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperture achieved.

Initial: _____

Witness: _____

= Mass reduced due to ~~Half~~ droplets.
 S = Staining on turbovap tube

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0100768 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	Other	>11
	0100768-BLK1	QC	10/22/20 11:08	11	5				100					
	0100768-BS1	QC	10/22/20 11:08	10	5	A201454		100	100					
1	A0J0343-01RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 10.03	5				100	USMPDI-026SG-201008	Re-extract added 10/22/2020 by MJB <i>Mud D</i>			
2	A0J0343-02RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 10.04	5				100	USMPDI-033SG-201008	Re-extract added 10/22/2020 by MJB <i>Mud D</i>			
3	A0J0343-03RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 10.16	5				100	USMPDI-038SG-201008	Re-extract added 10/22/2020 by MJB <i>Mud D</i>			
4	A0J0343-04RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 10.11	5				100	USMPDI-044SG-201008	Re-extract added 10/22/2020 by MJB <i>Mud D</i>			
5	A0J0343-05RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 10.24	5				100	USMPDI-049SG-201008	Re-extract added 10/22/2020 by MJB <i>Mud D</i>			
6	A0J0343-06RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 10.07	5				100	USMPDI-052SG-201008	Re-extract added 10/22/2020 by MJB <i>Mud D</i>			
7	A0J0343-07RE2	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:43	10 8.14	5				100	USMPDI-053SG-201008	Re-extract added 10/22/2020 by MJB <i>Mud 8.5</i>			
	A0J0472-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.68	5				100	USMPDI-002SG-201012				
	0100768-DUP1	QC	10/22/20 11:08	10.67	5		A0J0472-02		100					
	A0J0472-03	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.42	5				100	USMPDI-004SG-201012				
	A0J0472-04	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.37	5				100	USMPDI-007SG-201012				
	A0J0472-05	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.29	5				100	USMPDI-009SG-201012				
	A0J0472-06	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10.48	5				100	USMPDI-025SG-201012				
	0100768-MS1	QC	10/22/20 11:08	5.2	5	A201454	A0J0472-06	100	100					
	A0J0494-01	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.23	5				100	NCPDI-025SG-0-10-201013	MDL			
	A0J0494-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.15	5				100	NCPDI-037SG-0-10-201013	MDL			
	A0J0494-03	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.26	5				100	NCPDI-039SG-0-10.3-201013	MDL			
	A0J0494-04	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.14	5				100	NCPDI-042SG-0-0-7.8-201013	MDL			

Prepared By: Cas Date: 10/22/20

Reviewed By: J Date: 10/22/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100768 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	A0J0494-05	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.27	5				100	NCPDI-066SG-00-9.7-201013	MDL		

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20I454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A20J393	04/19/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperture achieved.

Initial: *cutt*

Witness: _____

** = reduced mass due to past Dryouts*

D = Dryout

S = staining on turbouar tube

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0100768 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	0100768-BLK1	QC	10/22/20 11:08	10	5				100				
	0100768-BS1	QC	10/22/20 11:08	10	5	A201454		100	100				
	A0J0472-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10	5				100	USMPDI-002SG-201012			
	0100768-DUP1	QC	10/22/20 11:08	10	5		A0J0472-02		100				
	A0J0472-03	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10	5				100	USMPDI-004SG-201012			
	A0J0472-04	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10	5				100	USMPDI-007SG-201012			
	A0J0472-05	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10	5				100	USMPDI-009SG-201012			
	A0J0472-06	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10	5				100	USMPDI-025SG-201012			
	0100768-MS1	QC	10/22/20 11:08	10	5	A201454	A0J0472-06	100	100				
13	A0J0494-01	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.23	5 ✓				100	NCPDI-025SG-00-10-201013	MDL Sediment		
14	A0J0494-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.15	5 ✓				100	NCPDI-037SG-00-10-201013	MDL Sediment (S)		
15	A0J0494-03	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.26	5 ✓				100	NCPDI-039SG-00-10.3-201013	MDL Sediment (S)		
16	A0J0494-04	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.14	5 ✓				100	NCPDI-042SG-00-7.8-201013	MDL Sediment		
17	A0J0494-05	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 12:55	10.27	5 ✓				100	NCPDI-066SG-00-9.7-201013	MDL Sediment (S)		

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s) CAS		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A201454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A20J393	04/19/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

(S) = staining on turbowrap tube.

Prepared By: cas Date: 10/22/2020

Reviewed By: JY Date: 10/22/2020

JY

10/22/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100768 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH
												<2 2-8 >11

Method 3546 digestion time and temperture achieved.

Initial: *CAS*

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0100768 (Sediment)
Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction	Comments	pH	
													<2	>11
10	0100768-BLK1	QC	10/22/20 11:08	10 11	5 ✓				100					
11	0100768-BS1	QC	10/22/20 11:08	10	5 ✓	A201454		100	100					
12	A0J0472-02	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10 10.68	5 ✓				100	USMPDI-002SG-201012	Sed. (mud)	rocks (S)		
13	0100768-DUP1	QC	10/22/20 11:08	10 10.67	5 ✓		A0J0472-02		100		Sed. (mud)	rocks (S)		
14	A0J0472-03	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10 10.42	5 ✓				100	USMPDI-004SG-201012	Sed. (mud)	(S)		
15	A0J0472-04	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10 10.37	5 ✓				100	USMPDI-007SG-201012	Sed. (mud)	(S)		
16	A0J0472-05	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10 10.29	5 ✓				100	USMPDI-009SG-201012	Sed. (mud)	(S)		
17	A0J0472-06	A 8081B 2,4+4,4-DDx Only (+Add)	10/22/20 11:08	10 10.48 10.44	5 ✓				100	USMPDI-025SG-201012	Sed. (mud)	SCG, 10/22/20 * (S)		
18	0100768-MS1	QC	10/22/20 11:08	10 10.34	5 ✓	A201454	A0J0472-06	100	100		Sed. (mud)	1* (S)		

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A201454	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A20J393	04/19/21	8082 PCB Surrogate Spike
A20B017	02/01/21	Glass Wool						
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						

Method 3546 digestion time and temperature achieved.

Initial: SCG

Witness: MEB 10/22/20

Witness: JY 10/22/2020

JY 10/22/2020
 (matrix reduced mass) Spike
 JY 10/22/2020

* = Drying. Reweighed and microwaved
 (S) = Staining on turbid tube
 * = Drying on 2nd round in microwave. Reweighed and microwaved 3rd time (mass reduced to ~5g)

SCG 10/22/2020
 Prepared By: _____ Date

JY 10/22/2020
 Reviewed By: _____ Date



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: OJ26062

Instrument: DUALECD5

Date: 10/26/20 11:21

Calibration: A0J1506

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ26062-BKD1	Sediment	QC	QC				A20H479
2	OJ26062-CCV1	Sediment	QC	QC				A20H475
3	OJ26062-CCV2	Sediment	QC	QC				A20I185
4	OJ26062-CCB1	Sediment	QC	QC				A20J148
5	0100835-BLK1	Sediment	QC	QC		0100835		
6	0100835-BS1	Sediment	QC	QC		0100835		
7	A0J0343-01RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/22/20	0100835		
8	A0J0343-02RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/22/20	0100835		
9	A0J0343-03RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/22/20	0100835		
10	A0J0343-04RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/22/20	0100835		
11	A0J0343-05RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/22/20	0100835		
12	A0J0343-06RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/22/20	0100835		
13	OJ26062-CCV3	Sediment	QC	QC				A20H476
14	OJ26062-CCV4	Sediment	QC	QC				A20I186
15	OJ26062-CCB2	Sediment	QC	QC				A20J148
16	A0J0343-07RE3	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/22/20	0100835		
17	OJ26062-IBL1	Sediment	QC	QC				
18	A0J0472-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/26/20	0100835		
19	0100835-DUP1	Sediment	QC	QC		0100835		
20	OJ26062-IBL2	Sediment	QC	QC				
21	0100817-BLK1	Water	QC	QC		0100817		
22	0100817-BS1	Water	QC	QC		0100817		
23	0100817-BSD1	Water	QC	QC		0100817		
24	A0J0331-01RE1	Water	1311/8081B TCLP Pest Reg List		10/22/20	0100817		
25	OJ26062-CCV5	Sediment	QC	QC				A20H475
26	OJ26062-CCV6	Sediment	QC	QC				A20I185
27	OJ26062-CCB3	Sediment	QC	QC				A20J148
28	OJ26062-IBL3	Sediment	QC	QC				
29	OJ26062-IBL4	Sediment	QC	QC				
30	OJ26062-IBL5	Sediment	QC	QC				
31	OJ26062-IBL6	Sediment	QC	QC				

Data Entered By/Date: MJB 10/27/20

Comments:

Data Reviewed By/Date: MKZ 10/28/2020

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 12:10
 Operator : MJB
 Sample : 0J26062-BKD1 MJB 10/26/20
 Misc : A20H479
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 12:24:14 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_201014RT1.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m x 0.32mm x 0. Signal #2 Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.712	871606	NoCal	ng/mL
2) Endrin	8.104	80892245	NoCal	ng/mL
3) 4,4'-DDD	8.141	14108588	NoCal	ng/mL
4) 4,4'-DDT	8.337	150369209	NoCal	ng/mL
5) Endrin Aldehyde	8.560	6470832	NoCal	ng/mL
6) Endrin Ketone	9.065	14826500	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.139	1073757	NoCal	ng/mL
9) Endrin [2C]	8.501	99057294	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.551	15873211	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.882	7915869	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.775	181158733	NoCal	ng/mL
13) Endrin Ketone [2C]	9.462	16574874	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

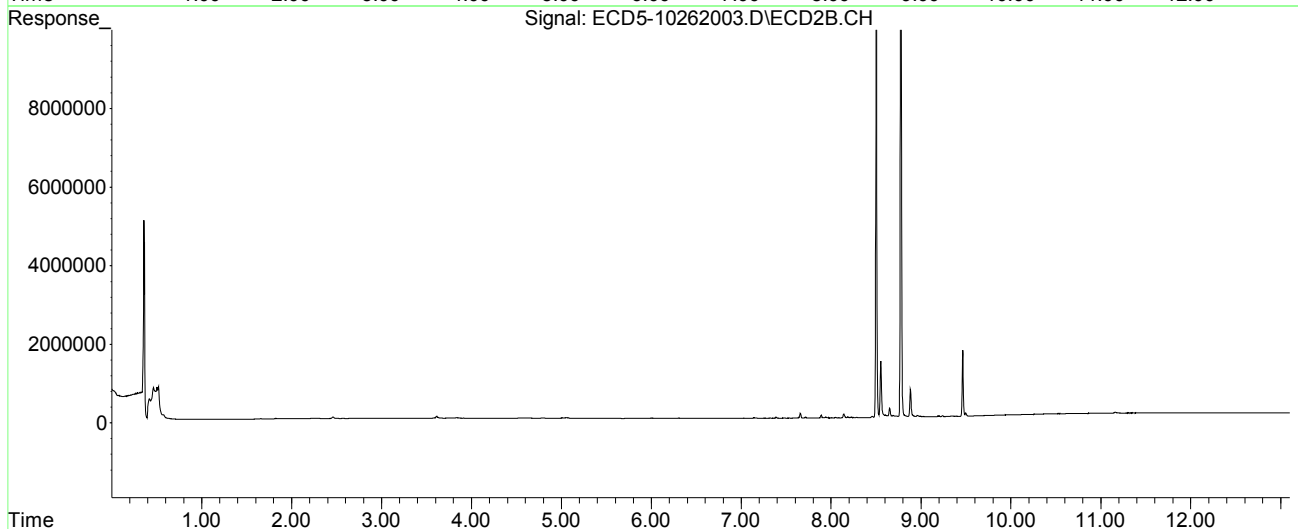
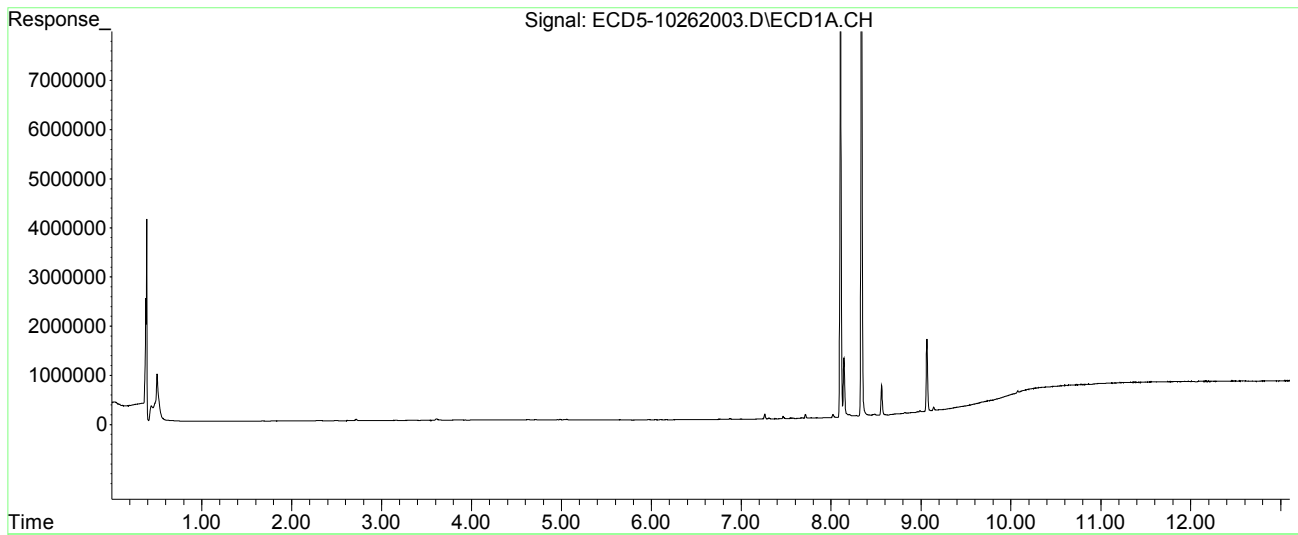
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 12:10
Operator : MJB
Sample : 0J26062-BKD1
Misc : A20H479
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 12:24:14 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_201014RT1.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m x 0.32mm x 0. Signal #2 Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 12:27
 Operator : MJB
 Sample : 0J26062-CCV1 MJB 10/26/20
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:48:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.513	5.802	11477920	15857319	47.301	51.196
22) S DCBP (S)	9.736	10.296	7976818	8600388	49.256	55.670
Target Compounds						
2) a-BHC	6.067	6.398	15321467	22735735	49.260	57.665
3) g-BHC	6.355	6.714	12621733	18706117	47.829	55.971
4) b-BHC	6.437	6.783	5183376	7445261	46.105	49.069
5) Heptachlor	6.754	7.087	11249801	15595012	44.433	55.141
6) d-BHC	6.589	7.030	12390639	18103009	45.271	54.960
7) Aldrin	6.997	7.349	12856332	17589623	48.455	57.693
8) Heptachlo...	7.466	7.783	11486772	15297478	47.039	56.082
9) trans-Chl...	7.559	7.924	11898247	15558967	46.826	55.018
10) cis-Chlor...	7.656	8.031	11599444	15078397	47.710	56.199
11) Endosulfa...	7.759	8.079	10819338	14247277	47.327	56.379
12) 4,4'-DDE	7.710	8.137	11781942	15919483	45.343	54.581
13) Dieldrin	7.933	8.277	12256412	15877549	48.575	56.437
14) Endrin	8.102	8.499	8418136	10406491	45.650	53.273
15) 4,4'-DDD	8.139	8.549	10047648	13027491	45.997	55.783
16) Endosulfa...	8.263	8.646	9351534	12459925	44.872	54.269
17) 4,4'-DDT	8.335	8.773	7873947	9647322	39.467	Q-3150.661 #
18) Endrin Al...	8.559	8.881	8500682	10056331	44.274	48.257
19) Endosulfa...	8.863	9.074	8688278	11317239	46.288	53.917
20) Methoxychlor	8.670	9.240	3962348	4939623	40.512	51.091 #
21) Endrin Ke...	9.063	9.461	11001751	13859059	44.937	55.776
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.900	6.297f	26839	10016	BelowCal	BelowCal
25) Oxychlorane	0.000	7.701	0	14411	N.D.	0.060 #
26) 2,4'-DDE	7.466	7.924	11486772	15558967	74.313	80.204

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 12:27
 Operator : MJB
 Sample : 0J26062-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:48:26 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.656	7.975	11599444	65276	51.549	0.234 #
28)	2,4'-DDD	0.000	8.277	0	15877549	N.D.	98.159 #
29)	2,4'-DDT	0.000	8.499	0	10406491	N.D.	68.761 #
30)	cis-Nonac...	8.102	8.549	8418136	13027491	34.696	47.236 #
31)	Mirex	0.000	9.461	0	13859059	N.D.	86.940 #
32)	Chlordane...	0.000	7.975	0	65276	N.D.	1.842 #
33)	Chlordane...	7.710	8.079	11781942	14247277	421.520	493.654
34)	Chlordane...	8.263	8.725	9351534	56942	1158.328	3.416 #
35)	Chlordane...	3.880f	0.000	9519	0	NoCal	N.D.
36)	Toxaphene...	7.656f	8.277	11599444	15877549	7650.908	5801.049
37)	Toxaphene...	7.933f	8.646	12256412	12459925	5643.442	3776.541 #
38)	Toxaphene...	8.263f	8.646f	9351534	12459925	2163.924	2612.588
39)	Toxaphene...	8.559f	8.725	8500682	56942	1884.540	7.179 #
40)	Toxaphene...	8.735f	8.881f	83831	10056331	23.588	2104.060 #
41)	Toxaphene...	8.863f	0.000	8688278	0	2112.244	N.D. #
42)	Toxaphene...	3.880f	0.000	9519	0	NoCal	N.D.

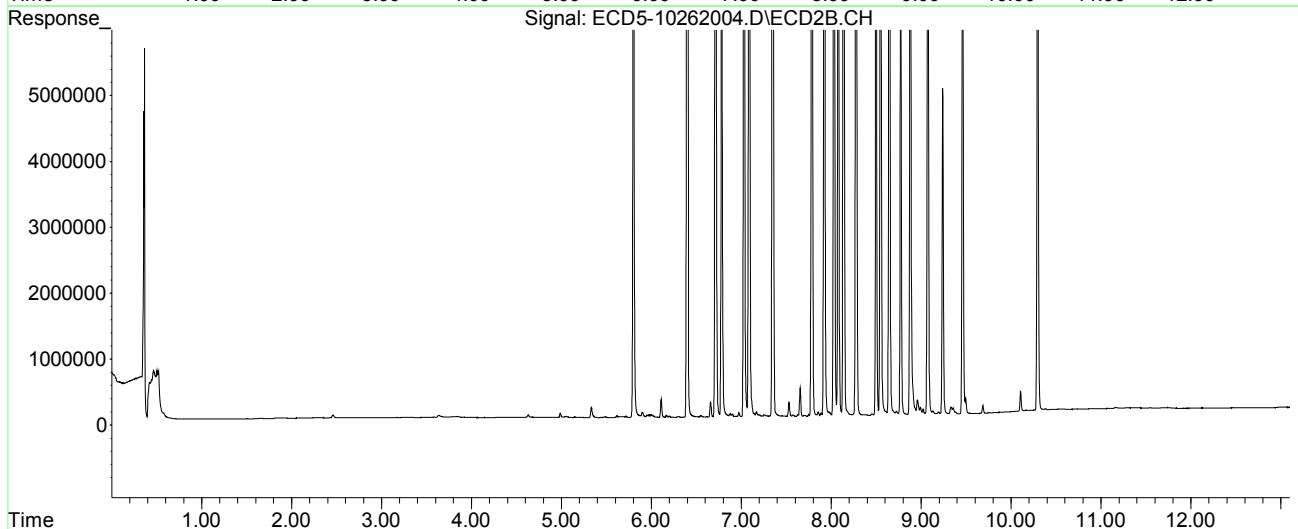
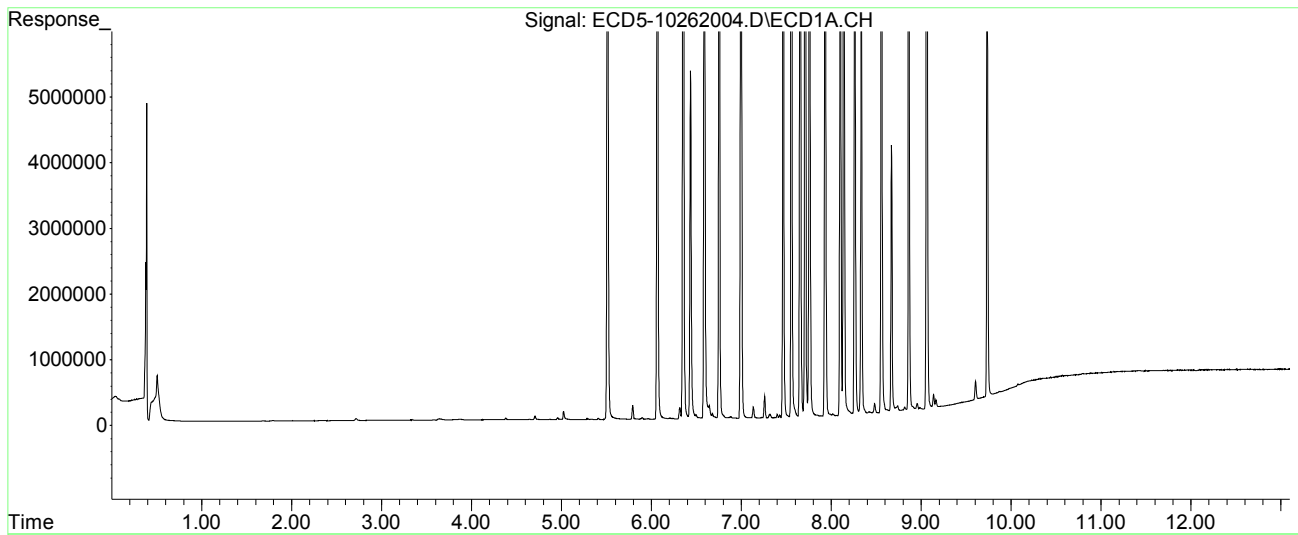
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 12:27
Operator : MJB
Sample : 0J26062-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:48:26 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 12:45
 Operator : MJB
 Sample : 0J26062-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1¹ MJB 10/26/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:49:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.483f	5.838f	86804	110110	0.358	0.355
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.065	6.397	16165	7531	0.052	0.019 #
3) g-BHC	6.344	0.000	6538	0	0.025	N.D. #
4) b-BHC	6.451	6.784	5243	7211	5685.389	0.048 #
5) Heptachlor	6.752	7.085	32748	39490	0.129	0.140
6) d-BHC	6.590	0.000	5857	0	0.021	N.D. #
7) Aldrin	6.997	7.386f	1530	16564	0.006	0.054 #
8) Heptachlo...	7.457	7.822f	7259609	205122	29.729	0.752 #
9) trans-Chl...	7.553	7.913	29383	9603924	0.116	33.960 #
10) cis-Chlor...	7.642	0.000	10902321	0	44.842	N.D. #
11) Endosulfa...	7.739	8.096	40133	44981	0.176	0.178
12) 4,4'-DDE	7.739f	0.000	40133	0	0.154	N.D. #
13) Dieldrin	7.909f	8.283	69107	8339281	0.274	29.642 #
14) Endrin	8.120	8.504	11787059	7583602	63.919	38.822 #
15) 4,4'-DDD	8.120	8.548	11787059	15359095	53.960	65.767
16) Endosulfa...	8.271	0.000	6033	0	0.029	N.D. #
17) 4,4'-DDT	8.335	0.000	5015	0	0.025	N.D. #
18) Endrin Al...	8.558	8.888	8531	15703	6021.183	BelowCal #
19) Endosulfa...	8.895f	9.074	32737	4120	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.450	0	8479031	N.D.	34.124 #
23) Hexachlor...	3.302	3.512	11516460	18280577	51.023	50.935
24) Hexachlor...	5.899	6.264	10961115	15350714	47.267	49.183
25) Oxychlorane	7.388	7.715	9471213	12123147	49.111	50.507
26) 2,4'-DDE	7.457	7.913	7259609	9603924	46.820	49.507

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 12:45
 Operator : MJB
 Sample : 0J26062-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:49:56 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.642	7.990	10902321	14616902	48.477	52.445
28)	2,4'-DDD	7.836	8.283	6566609	8339281	47.173	53.626
29)	2,4'-DDT	8.016	8.504	6110897	7583602	43.728	51.222
30)	cis-Nonac...	8.120	8.548	11787059	15359095	48.553	55.218
31)	Mirex	8.791	9.450	7092964	8479031	48.357	54.425
32)	Chlordane...	7.642f	7.990f	10902321	14616902	397.869	412.542
33)	Chlordane...	0.000	8.096f	0	44981	N.D.	1.559 #
34)	Chlordane...	8.271	8.690f	6033	19520	0.747	BelowCal #
35)	Chlordane...	3.881f	3.909f	14624	8784	NoCal	NoCal
36)	Toxaphene...	7.642f	8.283	10902321	8339281	7320.285	3046.854 #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	8.311	8.690	5268	19520	1.219	4.093 #
39)	Toxaphene...	8.514	0.000	9695	0	2.149	N.D. #
40)	Toxaphene...	8.791f	8.888f	7092964	15703	1995.764	3.285 #
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.881f	3.909	14624	8784	NoCal	NoCal

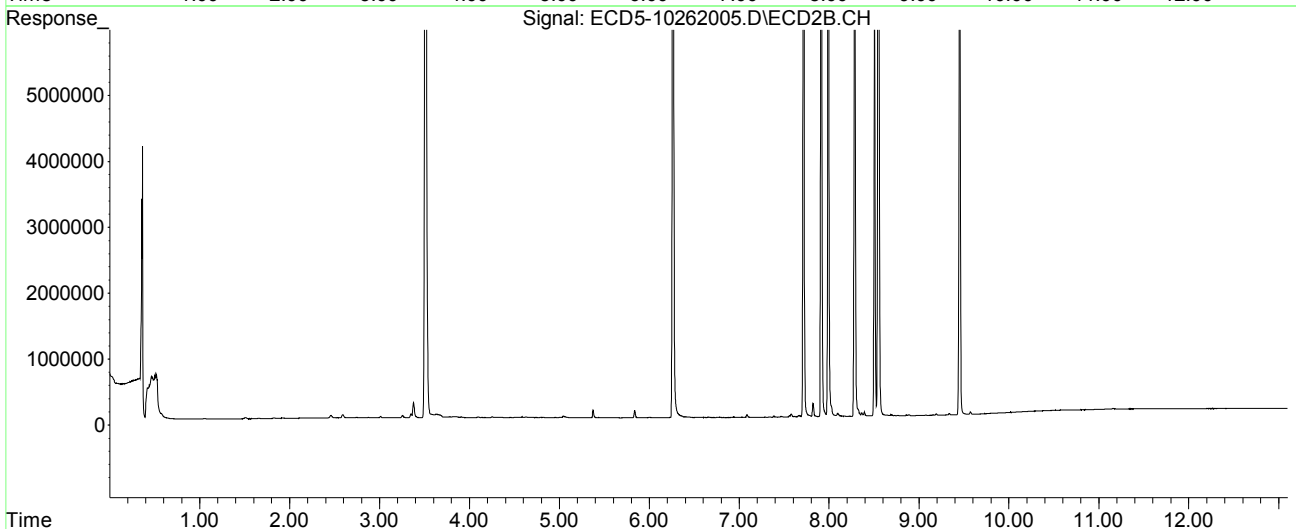
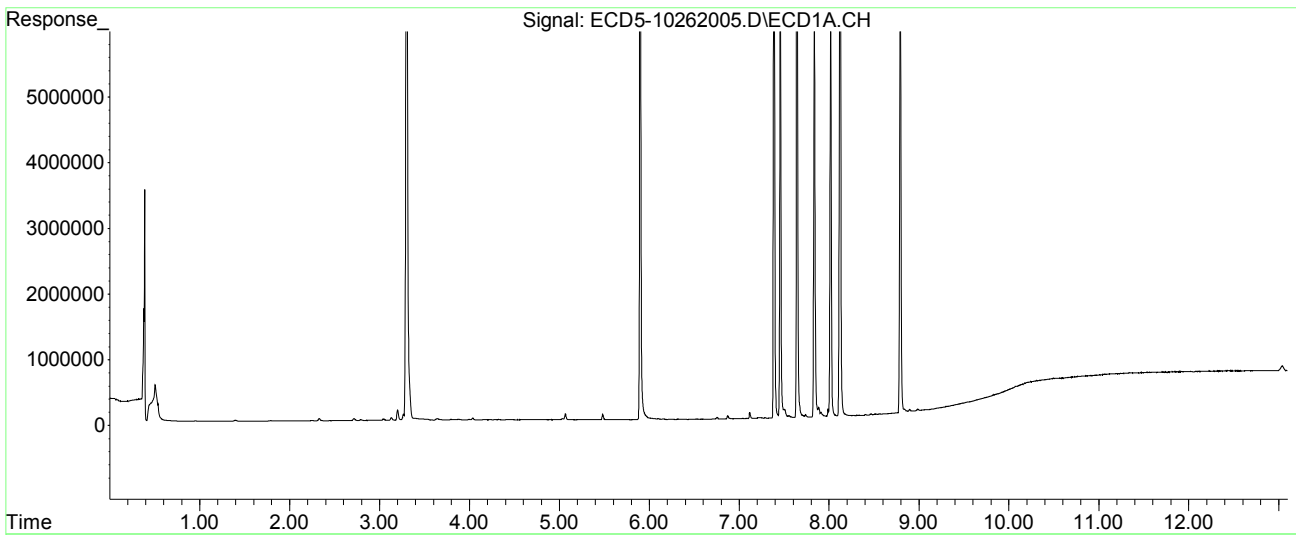
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 12:45
Operator : MJB
Sample : 0J26062-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:49:56 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:02
 Operator : MJB
 Sample : 0J26062-CCB1 MJB 10/26/20
 Misc : A20J148
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:50:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.513	5.802	21890828	31181367	90.213	100.670
22) S DCBP (S)	9.737	10.296	14377432	16349818	88.586	102.647
Target Compounds						
2) a-BHC	6.045f	0.000	4084	0	0.013	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	6.961f	7.388f	558	23320	0.002	0.076 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.550	7.942	15594	13283	0.061	0.047
10) cis-Chlor...	7.675	0.000	9263	0	0.038	N.D. #
11) Endosulfa...	7.787f	0.000	656	0	0.003	N.D. #
12) 4,4'-DDE	7.719	0.000	4344	0	0.017	N.D. #
13) Dieldrin	7.919	0.000	1229	0	0.005	N.D. #
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	8.269	0.000	1035	0	0.005	N.D. #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.569	8.863	2230	30175	6021.216	BelowCal #
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.901	0.000	47242	0	BelowCal	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	7.942f	0	13283	N.D.	0.068 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:02
 Operator : MJB
 Sample : 0J26062-CCB1
 Misc : A20J148
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:50:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.675f	0.000	9263	0	BelowCal	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	8.789	0.000	3477	0	BelowCal	N.D.
32)	Chlordane...	0.000	7.942f	0	13283	N.D.	0.375 #
33)	Chlordane...	7.719f	0.000	4344	0	0.155	N.D. #
34)	Chlordane...	8.269	8.694f	1035	19505	0.128	BelowCal #
35)	Chlordane...	3.886f	0.000	10127	0	NoCal	N.D.
36)	Toxaphene...	7.675	0.000	9263	0	6.397	N.D. #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	8.269f	8.694f	1035	19505	0.239	4.090 #
39)	Toxaphene...	8.518	0.000	19217	0	4.260	N.D. #
40)	Toxaphene...	8.789f	0.000	3477	0	0.978	N.D. #
41)	Toxaphene...	0.000	9.322f	0	4926	N.D.	1.049 #
42)	Toxaphene...	3.886	0.000	10127	0	NoCal	N.D.

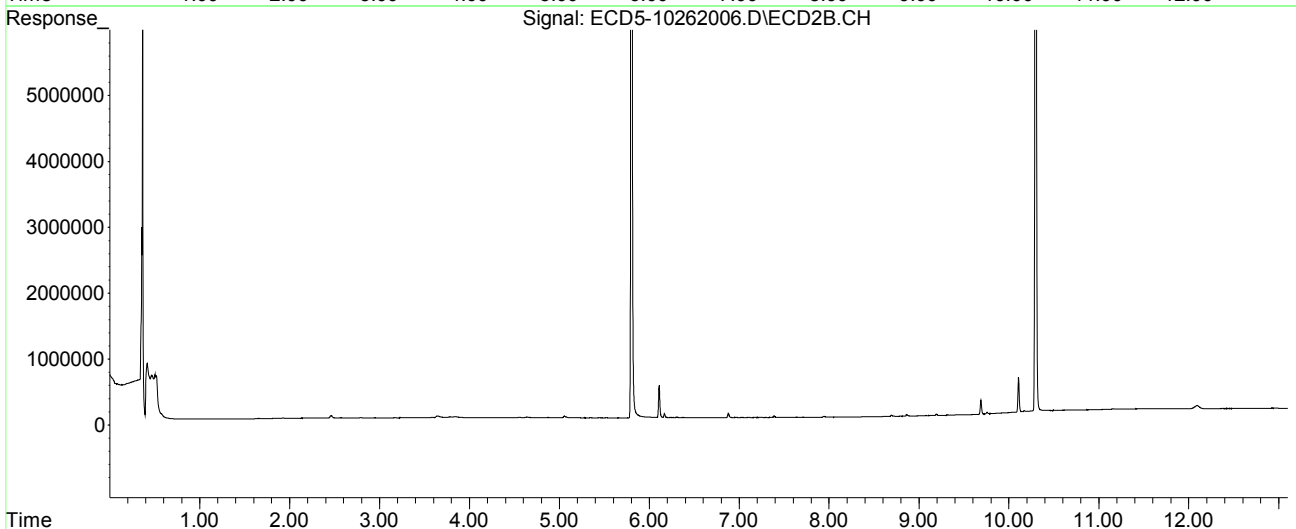
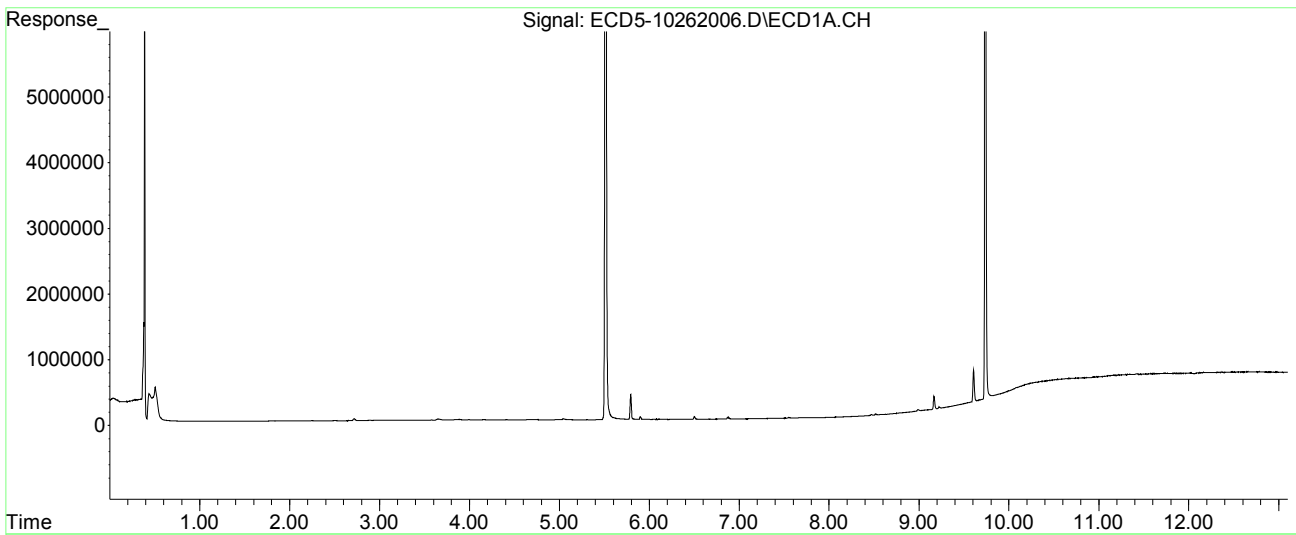
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:02
Operator : MJB
Sample : 0J26062-CCB1
Misc : A20J148
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:50:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:19
 Operator : MJB
 Sample : 0100835-BLK1
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:53:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.510	5.800	7160468	9916348	29.509	32.015
22) S DCBP (S)	9.732	10.292	6995439	7645571	43.191	49.675
Target Compounds						
2) a-BHC	6.081	6.437f	86721	15794	0.279	0.040 #
3) g-BHC	6.349	6.715	4727	11763	0.018	0.035 #
4) b-BHC	6.427	0.000	12890	0	5685.321	N.D. #
5) Heptachlor	6.749	7.095	44910	48462	0.177	0.171
6) d-BHC	6.592	7.060f	10243	11509	0.037	BelowCal #
7) Aldrin	7.036f	7.379f	37998	32408	0.143	0.106 #
8) Heptachlo...	7.452	7.757f	35364	1012419	0.145	3.712 #
9) trans-Chl...	7.535f	7.929	24605	57513	0.097	0.203 #
10) cis-Chlor...	7.658	8.065f	19671	93473	0.081	0.348 #
11) Endosulfa...	0.000	8.065	0	93473	N.D.	0.370 #
12) 4,4'-DDE	7.699	0.000	65214	0	0.251	N.D. #
13) Dieldrin	7.917	8.266	7493	9464	0.030	0.034
14) Endrin	8.084	0.000	4213	0	0.023	N.D. #
15) 4,4'-DDD	8.154	0.000	13642	0	0.062	N.D. #
16) Endosulfa...	8.246	8.644	71095	14048	0.341	0.061 #
17) 4,4'-DDT	8.331	8.776	1686	21259	0.008	0.112 #
18) Endrin Al...	8.577	8.855f	5280	16333	6021.200	BelowCal #
19) Endosulfa...	8.896f	9.093	94852	8108	0.278	BelowCal #
20) Methoxychlor	8.665	9.237	52229	59344	0.348	0.614 #
21) Endrin Ke...	9.059	9.475	32684	50949	0.134	0.205 #
23) Hexachlor...	3.305	3.476f	47876	2398082	0.032	6.682 #
24) Hexachlor...	5.894	6.271	22452	14619	BelowCal	BelowCal
25) Oxychlorane	0.000	7.687f	0	21704	N.D.	0.090 #
26) 2,4'-DDE	7.452	7.904	35364	85339	0.003	0.440 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:19
 Operator : MJB
 Sample : 0100835-BLK1
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:53:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.658	7.991	19671	72496	BelowCal	0.260
28)	2,4'-DDD	7.865f	8.266	4847	9464	BelowCal	BelowCal
29)	2,4'-DDT	8.011	0.000	9480	0	BelowCal	N.D.
30)	cis-Nonac...	8.154f	0.000	13642	0	BelowCal	N.D.
31)	Mirex	8.782	9.441	5013	11616	BelowCal	BelowCal
32)	Chlordane...	7.621	7.991f	59546	72496	2.173	2.046
33)	Chlordane...	7.699	8.065	65214	93473	2.333	3.239 #
34)	Chlordane...	8.246	8.735	71095	15549	8.806	BelowCal #
35)	Chlordane...	3.892	3.908	52159	52532	NoCal	NoCal
36)	Toxaphene...	7.658	8.266f	19671	9464	17.988	3.458 #
37)	Toxaphene...	8.011f	8.644	9480	14048	4.365	4.258
38)	Toxaphene...	8.331f	8.683	1686	32586	0.390	6.833 #
39)	Toxaphene...	8.533	8.735	12436	15549	2.757	1.960 #
40)	Toxaphene...	8.782	8.934	5013	10493	1.410	2.195 #
41)	Toxaphene...	8.826	9.285	8419	116766	2.047	24.860 #
42)	Toxaphene...	3.892	3.908	52159	52532	NoCal	NoCal

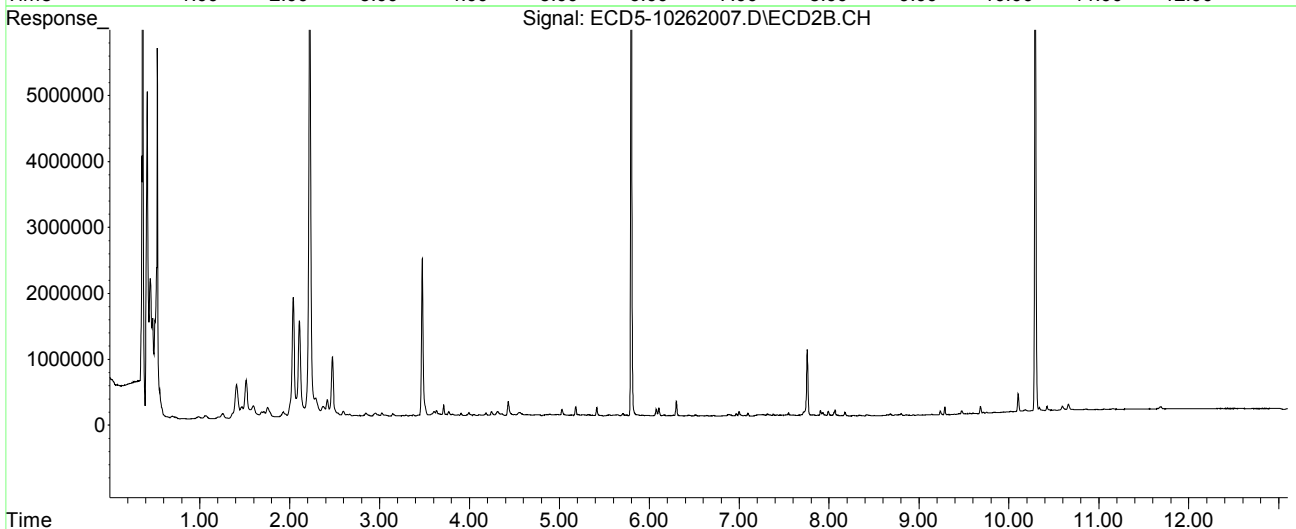
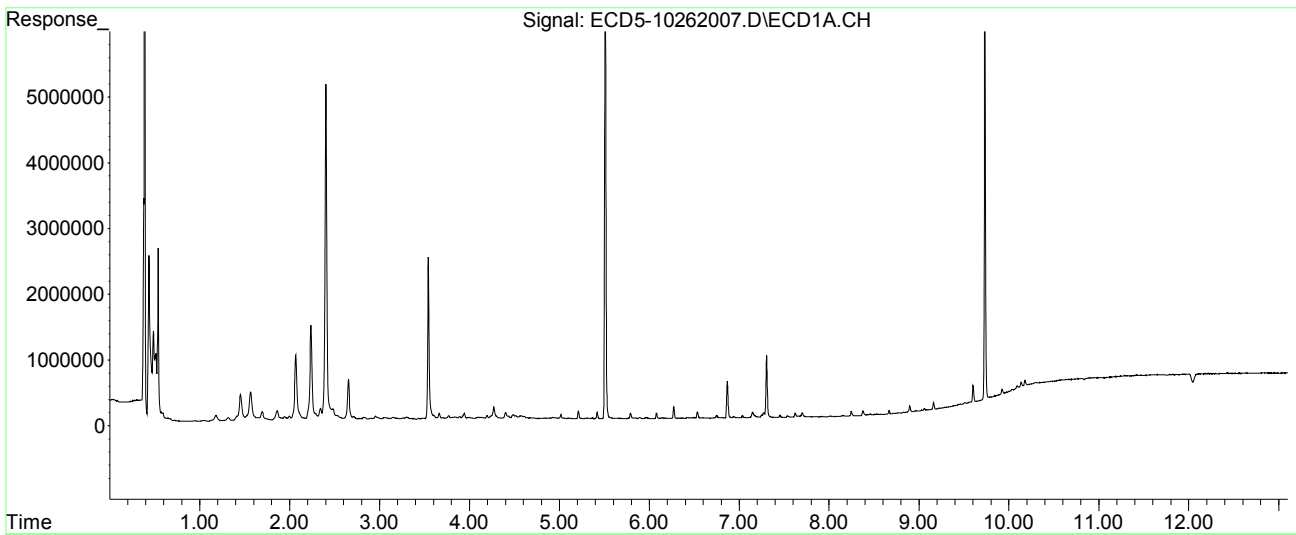
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:19
Operator : MJB
Sample : 0100835-BLK1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:53:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:36
 Operator : MJB
 Sample : 0100835-BS1
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:54:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.510	5.800	7841910	11295158	32.317	36.467
22) S DCBP (S)	9.731	10.292	7643755	8313927	47.198	53.876
Target Compounds						
2) a-BHC	6.083	0.000	9545	0	0.031	N.D. #
3) g-BHC	6.375f	0.000	9677	0	0.037	N.D. #
4) b-BHC	6.439	0.000	15110	0	5685.302	N.D. #
5) Heptachlor	6.750	0.000	47972	0	0.189	N.D. #
6) d-BHC	6.597	6.998f	20007	81790	0.073	0.072
7) Aldrin	7.033f	7.382f	8433	11805	0.032	0.039
8) Heptachlo...	7.454	7.757f	6568173	101148	26.897	0.371 #
9) trans-Chl...	7.566	7.910	18705	8363359	0.074	29.573 #
10) cis-Chlor...	7.663	8.051f	22716	29967	0.093	0.112
11) Endosulfa...	7.771	8.103f	29899	17413	0.131	0.069 #
12) 4,4'-DDE	7.706	8.134	10417012	13724146	40.090	47.054
13) Dieldrin	0.000	8.281	0	8044456	N.D.	28.594 #
14) Endrin	8.135f	8.502	8572576	7515596	46.487	38.474
15) 4,4'-DDD	8.135	8.546	8572576	10861672	39.245	46.509
16) Endosulfa...	8.251	8.650	13608	29295	0.065	0.128 #
17) 4,4'-DDT	8.332	8.770	8299951	9751595	41.602	51.208
18) Endrin Al...	8.532f	8.855f	7682	15078	6021.188	BelowCal #
19) Endosulfa...	8.897f	9.100f	47422	4523	0.021	BelowCal #
20) Methoxychlor	8.665	9.237	49182	59590	0.316	0.616 #
21) Endrin Ke...	9.061	9.475	9554	23423	0.039	0.094 #
23) Hexachlor...	3.310	3.476f	89446	7681680	0.215	21.403 #
24) Hexachlor...	5.897	6.270	28198	10818	BelowCal	BelowCal
25) Oxychlorane	7.362f	7.709	17144	14227	BelowCal	0.059
26) 2,4'-DDE	7.454	7.910	6568173	8363359	42.330	43.112

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:36
 Operator : MJB
 Sample : 0100835-BS1
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:54:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.625	7.995	37236	43857	BelowCal	0.157
28)	2,4'-DDD	7.832	8.281	6366478	8044456	45.735	51.811
29)	2,4'-DDT	8.013	8.502	6042344	7515596	43.241	50.790
30)	cis-Nonac...	8.135	8.546	8572576	10861672	35.333	39.694
31)	Mirex	8.780	9.441	3404	6323	BelowCal	BelowCal
32)	Chlordane...	7.625	7.995f	37236	43857	1.359	1.238
33)	Chlordane...	7.706	8.051f	10417012	29967	372.687	1.038 #
34)	Chlordane...	8.251	8.685f	13608	32267	1.686	0.310 #
35)	Chlordane...	3.888	3.907	91991	44451	NoCal	NoCal
36)	Toxaphene...	7.663	8.281	22716	8044456	21.375	2939.136 #
37)	Toxaphene...	0.000	8.650	0	29295	N.D.	8.879 #
38)	Toxaphene...	0.000	8.685	0	32267	N.D.	6.766 #
39)	Toxaphene...	8.532	8.770f	7682	9751595	1.703	1229.485 #
40)	Toxaphene...	8.780	0.000	3404	0	0.958	N.D. #
41)	Toxaphene...	8.826	9.286	3174	61417	0.772	13.076 #
42)	Toxaphene...	3.888	3.907	91991	44451	NoCal	NoCal

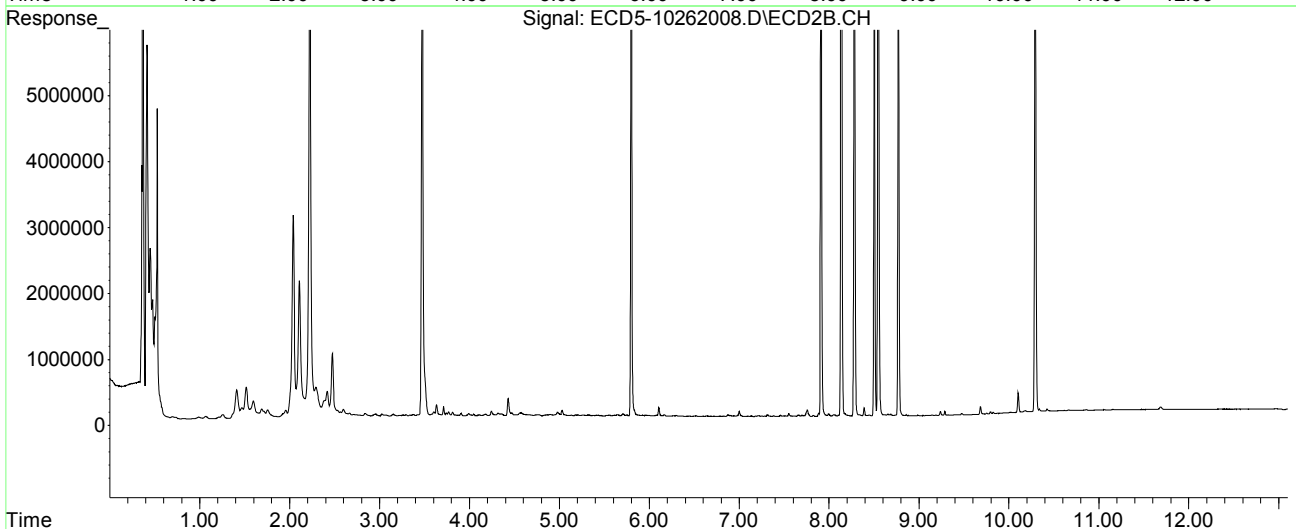
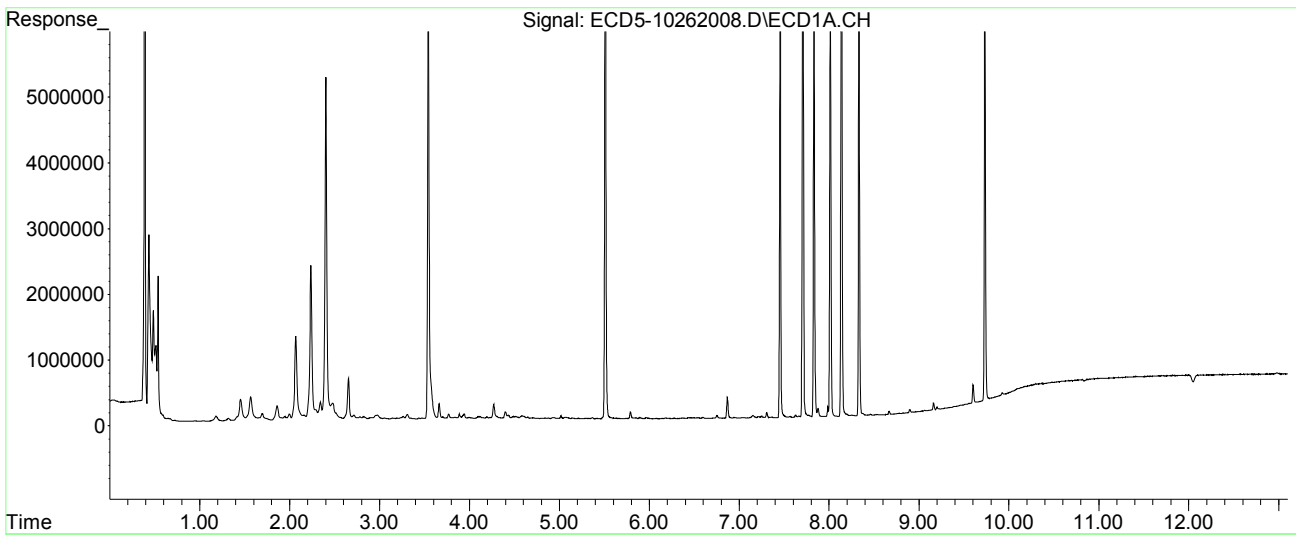
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:36
Operator : MJB
Sample : 0100835-BS1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:54:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:36
 Operator : MJB
 Sample : 0J26062-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:30:20 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.510	5.799	23475570	34151297	96.744	110.258
22) S DCBP (S)	9.731	10.291	16028707	18545798	98.671	115.462
Target Compounds						
2) a-BHC	6.063	6.395	32229355	48893997	103.622	124.011
3) g-BHC	6.350	6.711	27774835	42970661	105.250	128.574 Q-41
4) b-BHC	6.430	6.779	10976733	16234165	98.770	106.994
5) Heptachlor	6.748	7.082	24083280	34414687	95.121	121.683 # Q-41
6) d-BHC	6.582	7.026	25687366	40727689	93.853	115.918
7) Aldrin	6.991	7.344	27599980	40495823	104.024	132.824 #
8) Heptachlo...	7.462	7.781	24510333	33492098	100.372	122.786 Q-41
9) trans-Chl...	7.555	7.920	25139590	34806552	98.938	123.079
10) cis-Chlor...	7.652	8.028	24292052	32893466	99.916	122.599
11) Endosulfa...	7.756	8.076	22727386	30934275	99.417	122.412
12) 4,4'-DDE	7.706	8.134	24961213	35275534	96.063	120.944 # Q-41
13) Dieldrin	7.930	8.274	25610922	35126905	101.501	124.860
14) Endrin	8.099	8.496	17613417	22470390	95.514	115.031
15) 4,4'-DDD	8.135	8.546	20980630	29523792	96.048	126.419 # Q-41
16) Endosulfa...	8.260	8.643	19381364	28012647	92.998	122.008 #
17) 4,4'-DDT	8.331	8.769	17207332	22031685	86.248	115.695 #
18) Endrin Al...	8.555	8.877	17378480	22809330	91.621	106.647
19) Endosulfa...	8.860	9.071	18350918	25099856	96.909	113.308
20) Methoxychlor	8.664	9.236	8740692	11446326	88.634	118.390 #
21) Endrin Ke...	9.060	9.458	24090137	32210682	98.398	129.633 #
23) Hexachlor...	3.300	0.000	2873	0	4770.095	N.D. #
24) Hexachlor...	5.897	6.289f	53860	19922	0.022	BelowCal #
25) Oxychlorane	7.395	7.706	112887	29187	0.339	0.122 #
26) 2,4'-DDE	7.462	7.920	24510333	34806552	159.485	179.422

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:36
 Operator : MJB
 Sample : 0J26062-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:30:20 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.652	7.972	24292052	104296	106.684	0.374 #
28)	2,4'-DDD	7.841	8.274	43368	35126905	0.078	199.074 #
29)	2,4'-DDT	8.014	8.496	58851	22470390	0.190	136.605 #
30)	cis-Nonac...	8.135	8.546	20980630	29523792	86.038	101.016
31)	Mirex	8.812f	9.458	95488	32210682	0.309	187.867 #
32)	Chlordane...	0.000	7.972	0	104296	N.D.	2.944 #
33)	Chlordane...	7.706	8.076	24961213	30934275	893.033	1071.843
34)	Chlordane...	8.260	8.720	19381364	100784	2400.672	8.931 #
35)	Chlordane...	3.879f	0.000	7686	0	NoCal	N.D.
36)	Toxaphene...	7.652f	8.274	24292052	35126905	12647.977	12834.028
37)	Toxaphene...	0.000	8.643	0	28012647	N.D.	8490.494 #
38)	Toxaphene...	8.260f	8.643f	19381364	28012647	4484.805	5873.672 #
39)	Toxaphene...	8.555f	8.720	17378480	100784	3852.684	12.707 #
40)	Toxaphene...	8.733f	8.955f	143833	391013	40.470	81.811 #
41)	Toxaphene...	8.812f	9.298	95488	86865	23.215	18.494
42)	Toxaphene...	3.879f	0.000	7686	0	NoCal	N.D.

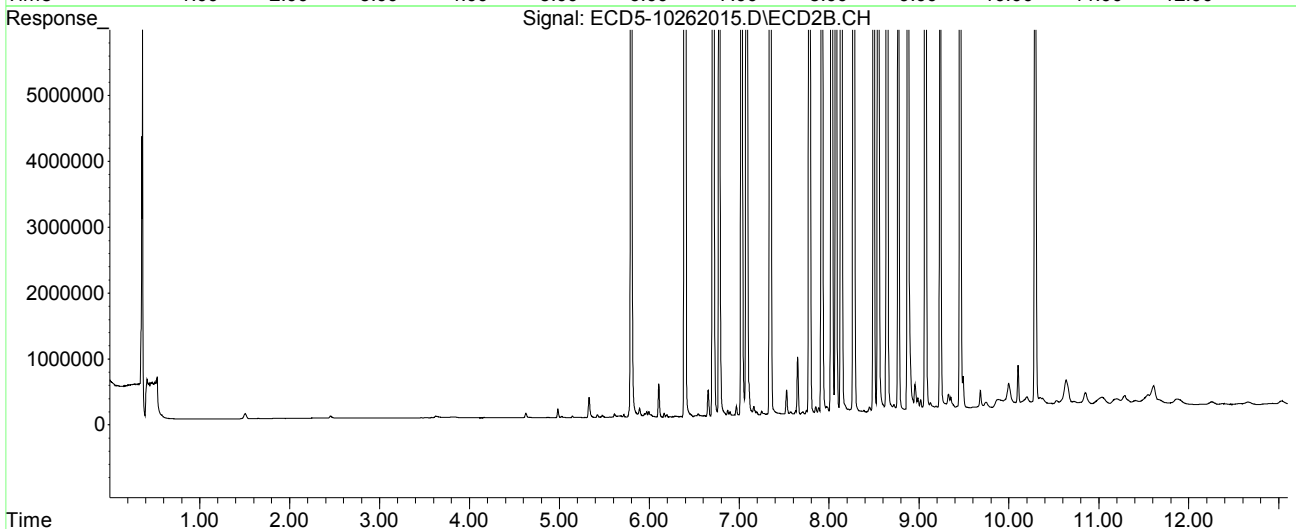
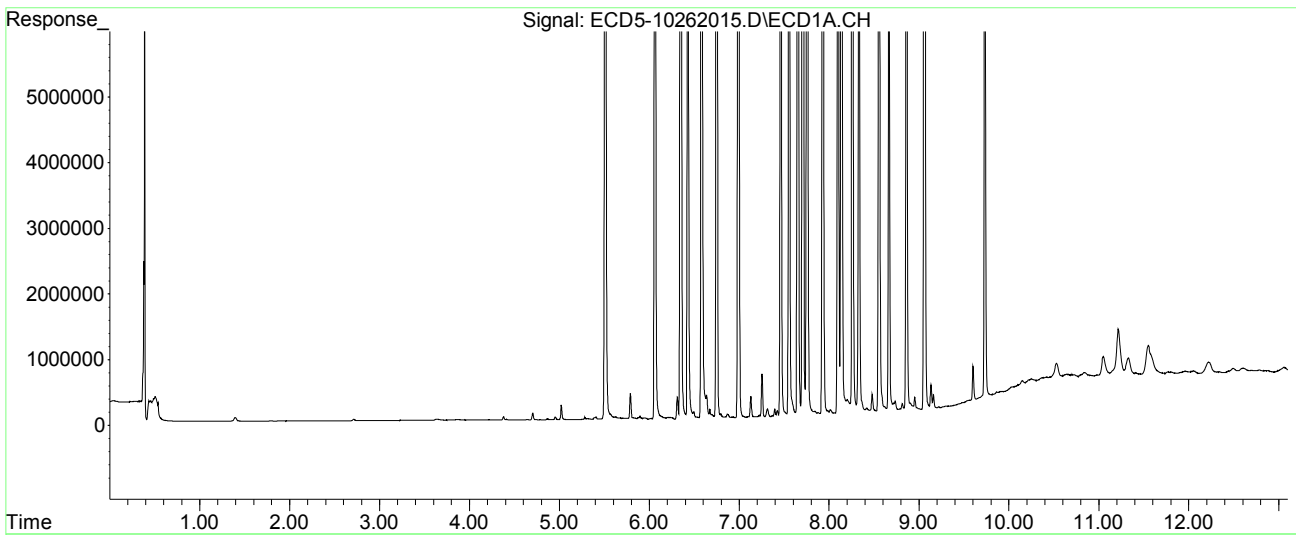
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:36
Operator : MJB
Sample : 0J26062-CCV3
Misc : A20H476, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:30:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:54
 Operator : MJB
 Sample : 0J26062-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/26/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:32:59 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.481f	5.835f	154417	195895	0.636	0.632
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.101f	0.000	19461	0	0.063	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.442	6.783	4884	7798	5685.392	0.051 #
5) Heptachlor	6.752	7.084	55179	70792	0.218	0.250
6) d-BHC	6.592	7.028	5476	6872	0.020	BelowCal #
7) Aldrin	6.996	7.342	1219	8540	0.005	0.028 #
8) Heptachlo...	7.455	7.819f	14586180	440412	59.732	1.615 #
9) trans-Chl...	7.554	7.910	60189	20307505	0.237	71.809 #
10) cis-Chlor...	7.641	0.000	22335242	0	91.867	N.D. #
11) Endosulfa...	7.737f	8.094	87870	95477	0.384	0.378
12) 4,4'-DDE	7.737f	0.000	87870	0	0.338	N.D. #
13) Dieldrin	7.907f	8.281	138664	17938793	0.550	63.764 #
14) Endrin	8.119	8.502	24388010	15030043	132.251	76.942 #
15) 4,4'-DDD	8.119f	8.545	24388010	33670509	111.646	144.175 #
16) Endosulfa...	8.268	0.000	15164	0	0.073	N.D. #
17) 4,4'-DDT	8.333	8.770	9037	7798	0.045	0.041
18) Endrin Al...	8.554	8.886	12231	25898	6021.164	BelowCal #
19) Endosulfa...	8.892f	0.000	72132	0	0.155	N.D. #
20) Methoxychlor	8.637f	9.261f	1365	8332	BelowCal	0.086
21) Endrin Ke...	9.063	9.446	2482	17824281	0.010	71.734 #
23) Hexachlor...	3.300	3.509	23133272	37915810	103.835	105.644
24) Hexachlor...	5.897	6.262	21820127	32315355	93.994	100.765
25) Oxychlorane	7.386	7.713	18906021	25973875	96.898	108.211
26) 2,4'-DDE	7.455	7.910	14586180	20307505	94.519	104.682

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:54
 Operator : MJB
 Sample : 0J26062-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:32:59 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.641	7.989	22335242	30582490	98.281	109.729
28)	2,4'-DDD	7.834	8.281	13067161	17938793	93.711	109.767
29)	2,4'-DDT	8.015	8.502	11383756	15030043	80.730	95.991
30)	cis-Nonac...	8.119	8.545	24388010	33670509	99.812	113.661
31)	Mirex	8.789	9.446	13962372	17824281	95.312	109.957
32)	Chlordane...	7.641f	7.989f	22335242	30582490	815.101	863.149
33)	Chlordane...	7.737f	8.094f	87870	95477	3.144	3.308
34)	Chlordane...	8.268	8.727	15164	6761	1.878	BelowCal #
35)	Chlordane...	3.879f	3.906	12607	14624	NoCal	NoCal
36)	Toxaphene...	7.641f	8.281	22335242	17938793	11970.855	6554.149 #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	8.309	8.689	10951	14790	2.534	3.101
39)	Toxaphene...	8.515	8.727	4388	6761	0.973	0.852
40)	Toxaphene...	8.789f	8.886f	13962372	25898	3928.625	5.419 #
41)	Toxaphene...	0.000	9.261f	0	8332	N.D.	1.774 #
42)	Toxaphene...	3.879f	3.906	12607	14624	NoCal	NoCal

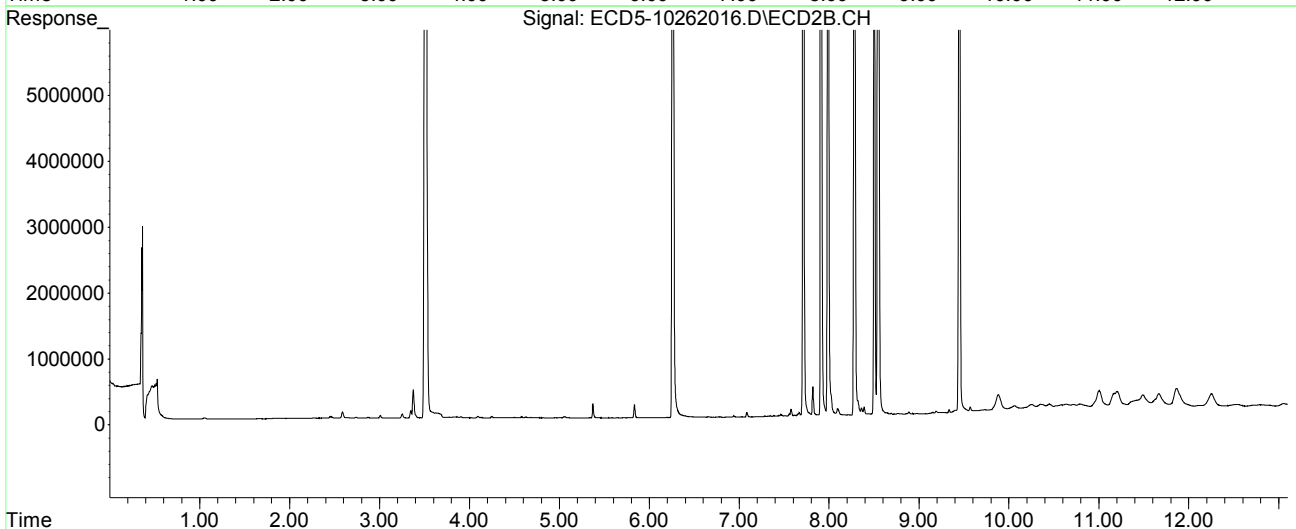
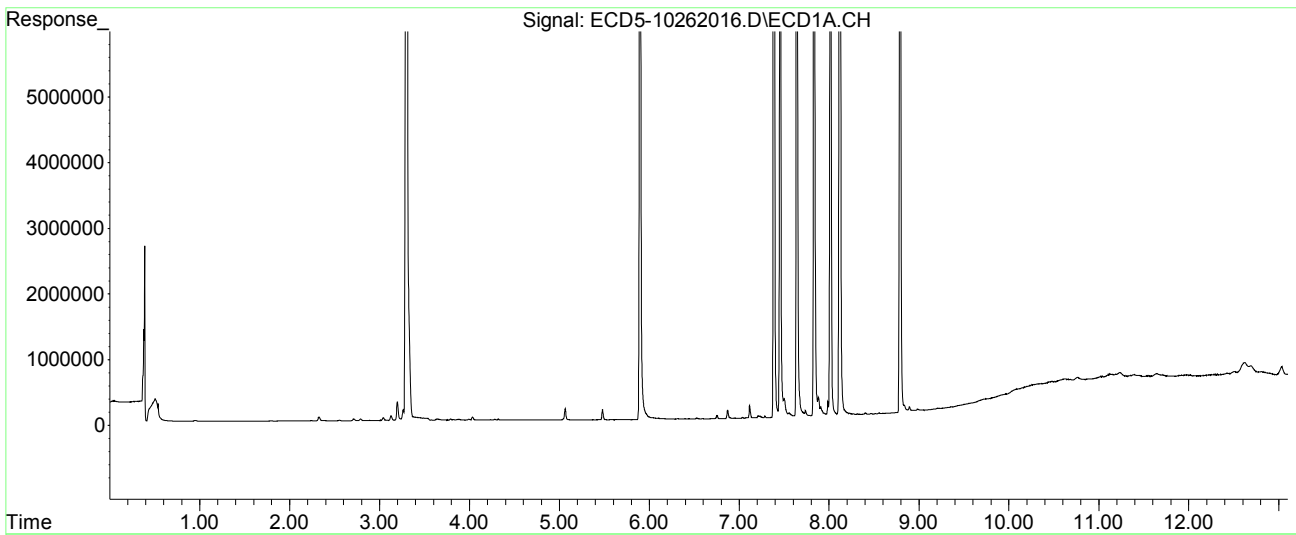
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:54
Operator : MJB
Sample : 0J26062-CCV4
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:32:59 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 16:11
 Operator : MJB
 Sample : 0J26062-CCB2 MJB 10/26/20
 Misc : A20J148
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:33:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.510	5.799	21751780	31836955	89.640	102.786
22) S DCBP (S)	9.732	10.291	15412580	17945951	94.911	111.982
Target Compounds						
2) a-BHC	6.042f	0.000	3341	0	0.011	N.D. #
3) g-BHC	6.359	0.000	1352	0	0.005	N.D. #
4) b-BHC	6.459f	0.000	1712	0	5685.420	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.592	0.000	1830	0	0.007	N.D. #
7) Aldrin	0.000	7.384f	0	22326	N.D.	0.073 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.546	7.937	19364	13645	0.076	0.048 #
10) cis-Chlor...	7.672	0.000	12242	0	0.050	N.D. #
11) Endosulfa...	7.783f	0.000	4392	0	0.019	N.D. #
12) 4,4'-DDE	7.716	0.000	8184	0	0.031	N.D. #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	8.119	8.499	1407	3507	0.008	0.018 #
15) 4,4'-DDD	8.119f	0.000	1407	0	0.006	N.D. #
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	8.801f	0	7550	N.D.	0.040 #
18) Endrin Al...	0.000	8.859f	0	25412	N.D.	BelowCal
19) Endosulfa...	0.000	9.073	0	2373	N.D.	BelowCal
20) Methoxychlor	8.667	0.000	10039	0	BelowCal	N.D.
21) Endrin Ke...	9.059	9.452	7112	81012	0.029	0.326 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.898	6.301f	47167	8731	BelowCal	BelowCal
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	7.937f	0	13645	N.D.	0.070 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 16:11
 Operator : MJB
 Sample : 0J26062-CCB2
 Misc : A20J148
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:33:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.672f	0.000	12242	0	BelowCal	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	0.000	8.499	0	3507	N.D.	BelowCal
30)	cis-Nonac...	8.119	0.000	1407	0	BelowCal	N.D.
31)	Mirex	8.784	9.452	3160	81012	BelowCal	0.182
32)	Chlordane...	0.000	7.937f	0	13645	N.D.	0.385 #
33)	Chlordane...	7.716	0.000	8184	0	0.293	N.D. #
34)	Chlordane...	0.000	8.690f	0	13974	N.D.	BelowCal
35)	Chlordane...	3.885f	0.000	8676	0	NoCal	N.D.
36)	Toxaphene...	7.672	0.000	12242	0	9.716	N.D. #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	8.690	0	13974	N.D.	2.930 #
39)	Toxaphene...	8.515	0.000	19117	0	4.238	N.D. #
40)	Toxaphene...	8.784f	0.000	3160	0	0.889	N.D. #
41)	Toxaphene...	0.000	9.321f	0	16010	N.D.	3.408 #
42)	Toxaphene...	3.885	0.000	8676	0	NoCal	N.D.

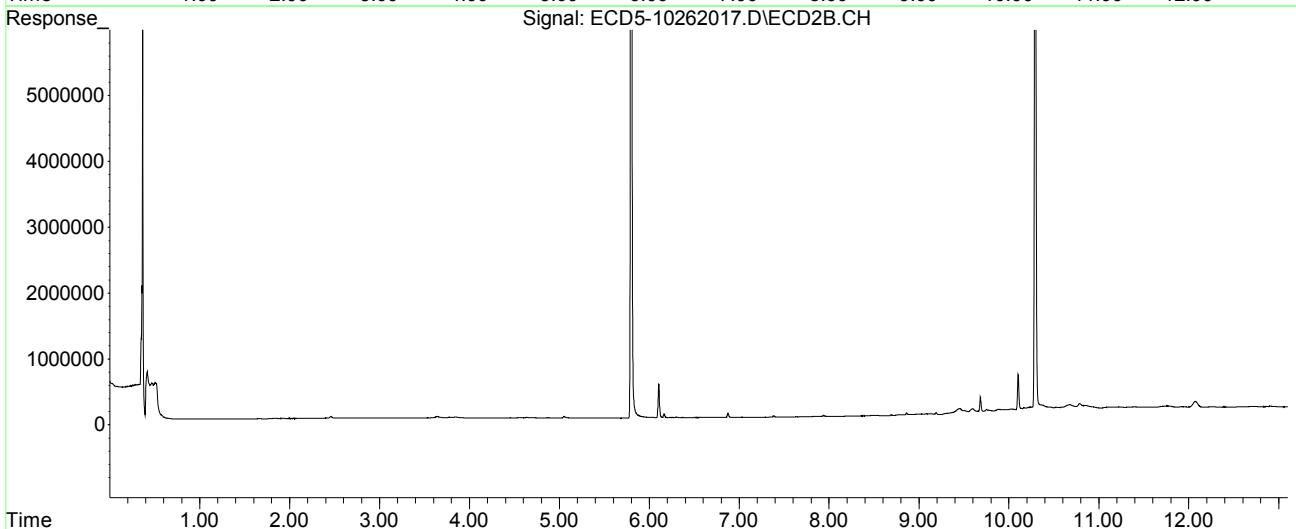
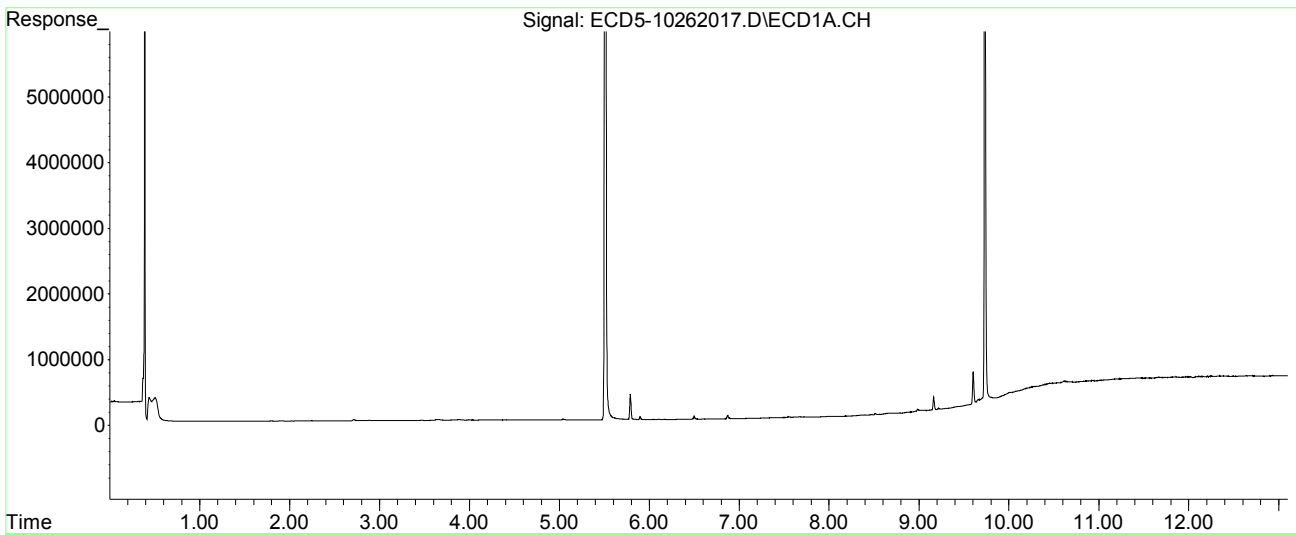
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:11
Operator : MJB
Sample : 0J26062-CCB2
Misc : A20J148
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:33:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 17:06
 Operator : MJB
 Sample : A0J0472-02RE1 MJB 10/27/20
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 11:52:09 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.494	5.798	12637635	10384291	52.080	33.526 #
22) S DCBP (S)	9.727	10.288	7066616	8275090	43.631	53.633
Target Compounds						
2) a-BHC	6.071	6.406	133440	278482	0.429	0.706 #
3) g-BHC	6.342	6.705	362895	407364	1.375	1.219
4) b-BHC	6.429	6.796	981770	274729	8.522	1.811 #
5) Heptachlor	6.732f	7.103	644952	547110	2.547	1.934
6) d-BHC	6.565f	7.045	158244	411928	0.578	1.142 #
7) Aldrin	7.027f	0.000	63350	0	0.239	N.D. #
8) Heptachlo...	7.463	7.799	163502	192337	0.670	0.705
9) trans-Chl...	7.572	7.925	51327	441679	0.202	1.562 #
10) cis-Chlor...	0.000	8.040	0	538841	N.D.	2.008 #
11) Endosulfa...	7.765	8.091	168656	281448	0.738	1.114 #
12) 4,4'-DDE	7.700	8.131	396016	743905	1.524	MDL=MRL 2.551 #
13) Dieldrin	7.910f	8.276	75813	382452	0.300	1.359 #
14) Endrin	8.130f	8.489	1794814	192827	9.733	0.987 #
15) 4,4'-DDD	8.130	8.542	1794814	928512	8.217	P-01 3.976 # R-02
16) Endosulfa...	8.247	8.656	34847	187033	0.167	0.815 #
17) 4,4'-DDT	8.326	8.766	83861	285704	0.420m	Q-31 1.500 # MDL=MRL
18) Endrin Al...	8.549	8.875	88788	225174	0.099	0.787 #
19) Endosulfa...	8.855	9.076	215370	258710	0.930	1.088
20) Methoxychlor	8.659	9.227	120796	293157	1.058	3.032 #
21) Endrin Ke...	9.038f	9.463	96020	296538	0.392	1.193 #
23) Hexachlor...	3.307	3.545f	72095	177238	0.138	0.494 #
24) Hexachlor...	5.915	6.271	177008	19370269	0.557	61.668 #
25) Oxychlorane	7.389	7.733	133712	342041	0.449	1.425 #
26) 2,4'-DDE	7.463	7.925	163502	435856	0.832	2.247m#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 17:06
 Operator : MJB
 Sample : A0J0472-02RE1
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 11:52:09 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.606f	7.981	263537	346969	0.982	1.245 #
28)	2,4'-DDD	7.825	8.276	244624	382452	1.537m	MDL= MRL 2.334 #
29)	2,4'-DDT	8.016	8.511	65566	195464	0.239	1.168m#
30)	cis-Nonac...	8.130	8.542	1794814	928512	7.260	3.330 #
31)	Mirex	8.770f	9.463	187840	296538	0.944	1.635 #
32)	Chlordane...	7.606	7.981	263537	346969	9.618	9.793
33)	Chlordane...	7.700	8.091	396016	281448	14.168	9.752 #
34)	Chlordane...	8.247	8.726	34847	209478	4.316	22.584 #
35)	Chlordane...	3.920	3.872	504682	3786076	NoCal	NoCal
36)	Toxaphene...	7.700f	8.276	396016	382452	421.966	139.733 #
37)	Toxaphene...	7.969	8.628	262230	300213	120.744	90.993
38)	Toxaphene...	8.324f	8.678	87779	202078	20.312	42.372 #
39)	Toxaphene...	8.549f	8.726	88788	209478	19.684	26.411 #
40)	Toxaphene...	8.770	8.915	187840	187199	52.853	39.167 #
41)	Toxaphene...	8.822	9.281	125768	273161	30.576	58.156 #
42)	Toxaphene...	3.920	3.872f	504682	3786076	NoCal	NoCal

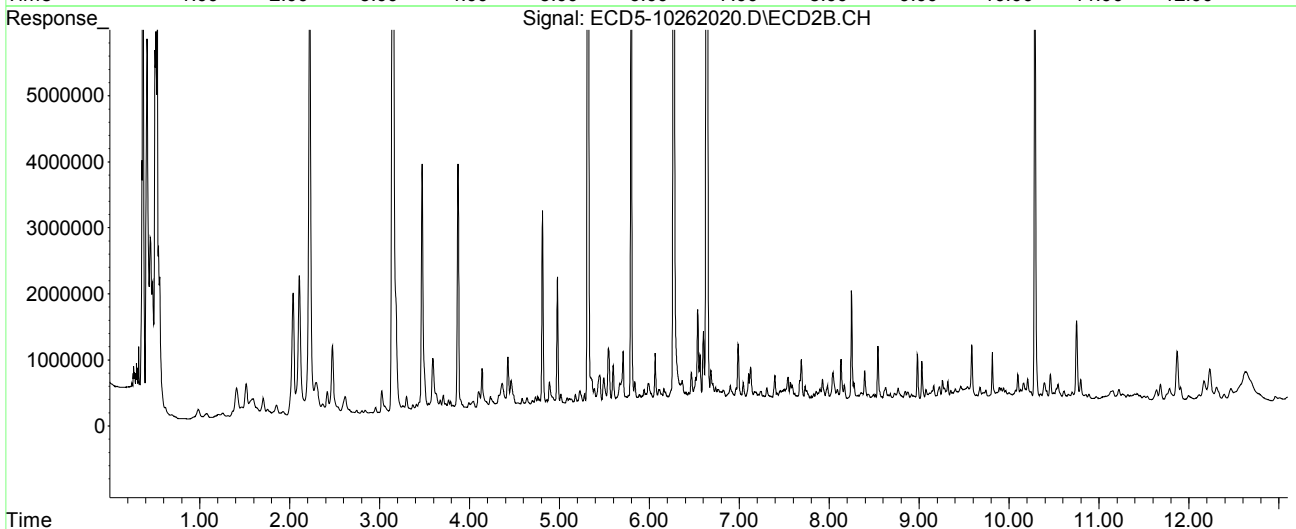
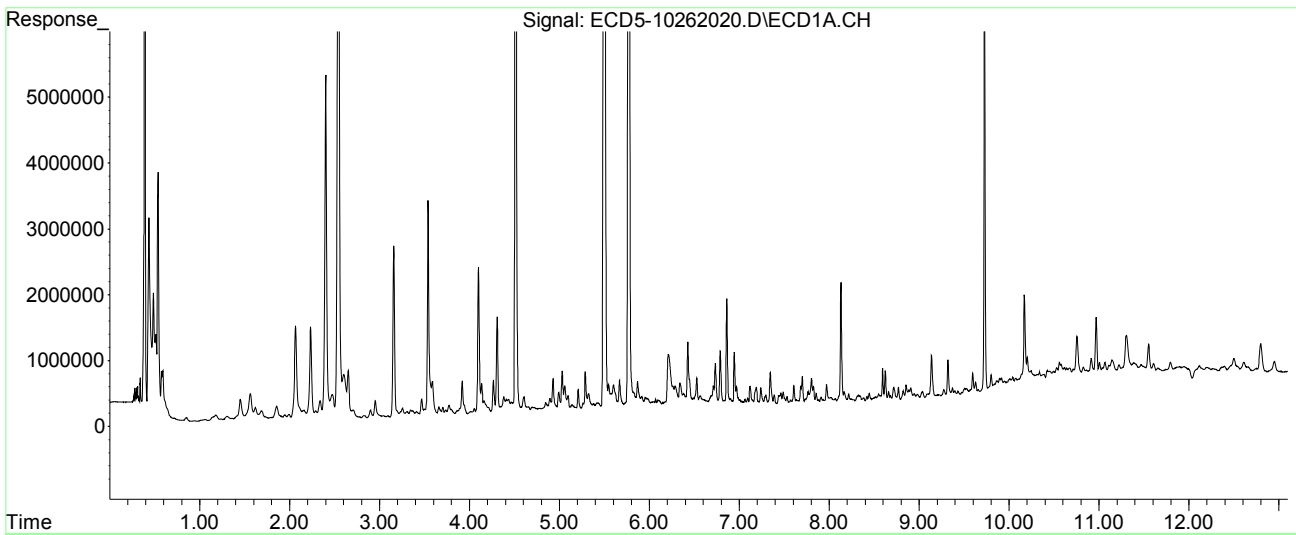
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:06
Operator : MJB
Sample : A0J0472-02RE1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:52:09 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

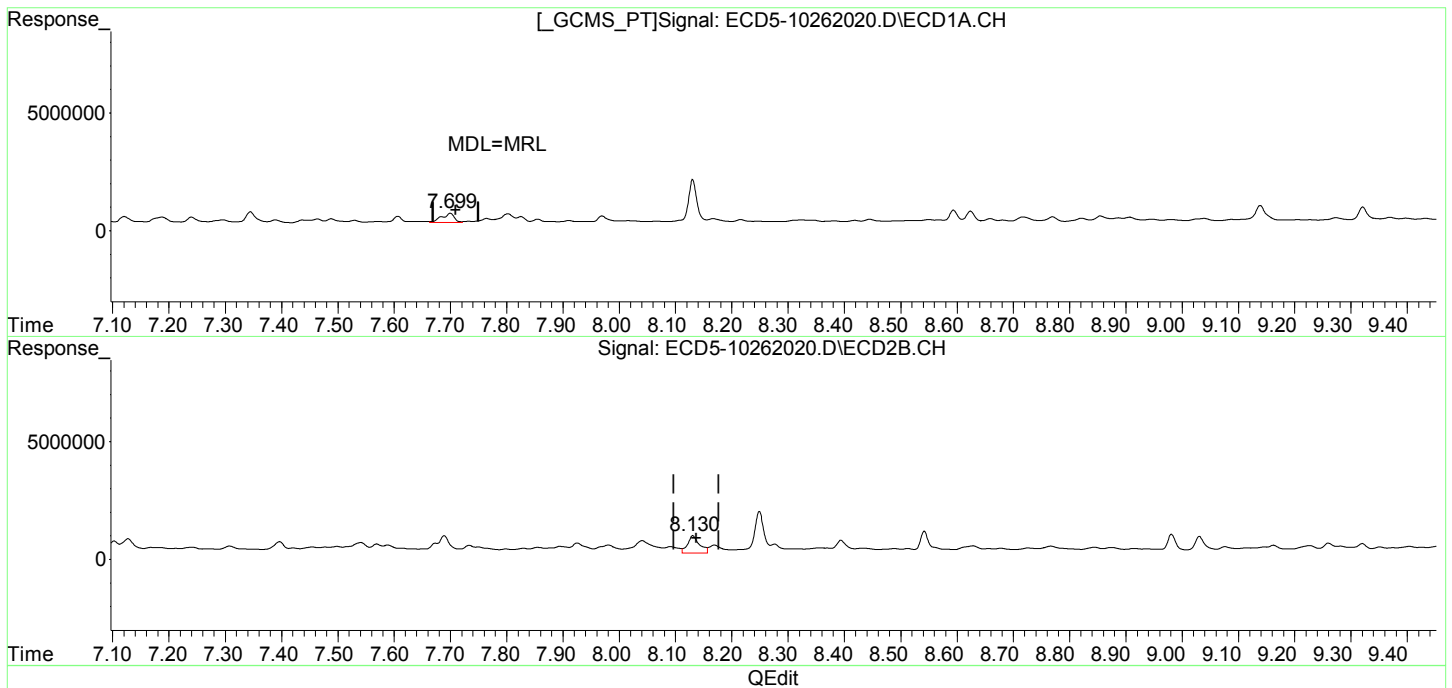


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:06
Operator : MJB
Sample : A0J0472-02RE1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:49:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(12) 4,4'-DDE
7.700min 1.524 ng/mL
response 396016

MJB 10/27/20

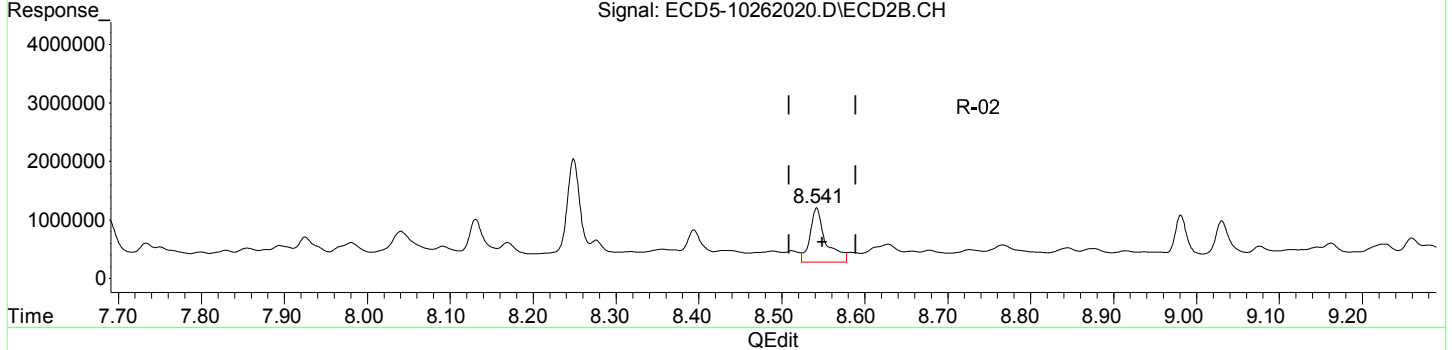
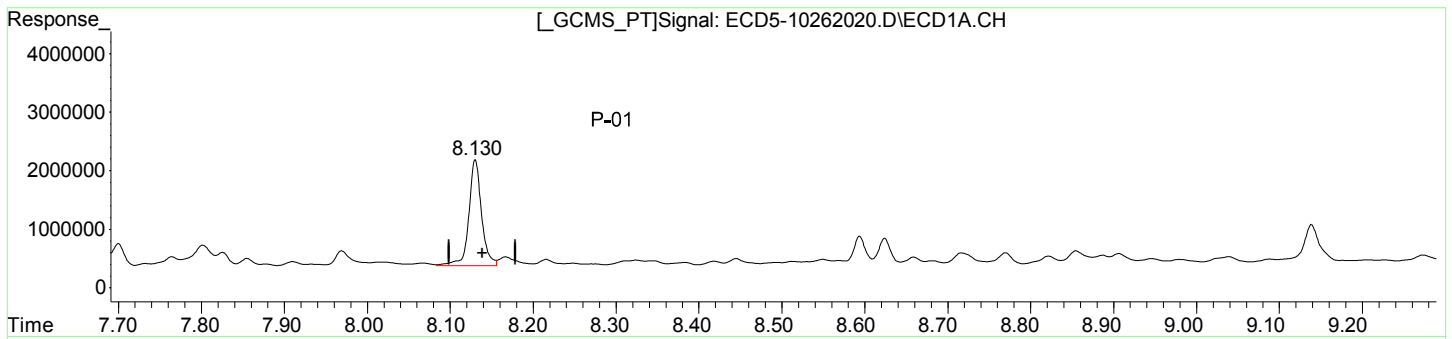
(12) 4,4'-DDE #2
8.131min 2.551 ng/mL
response 743905

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:06
Operator : MJB
Sample : A0J0472-02RE1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:49:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(15) 4,4'-DDD
8.130min 8.217 ng/mL
response 1794814

MJB 10/27/20

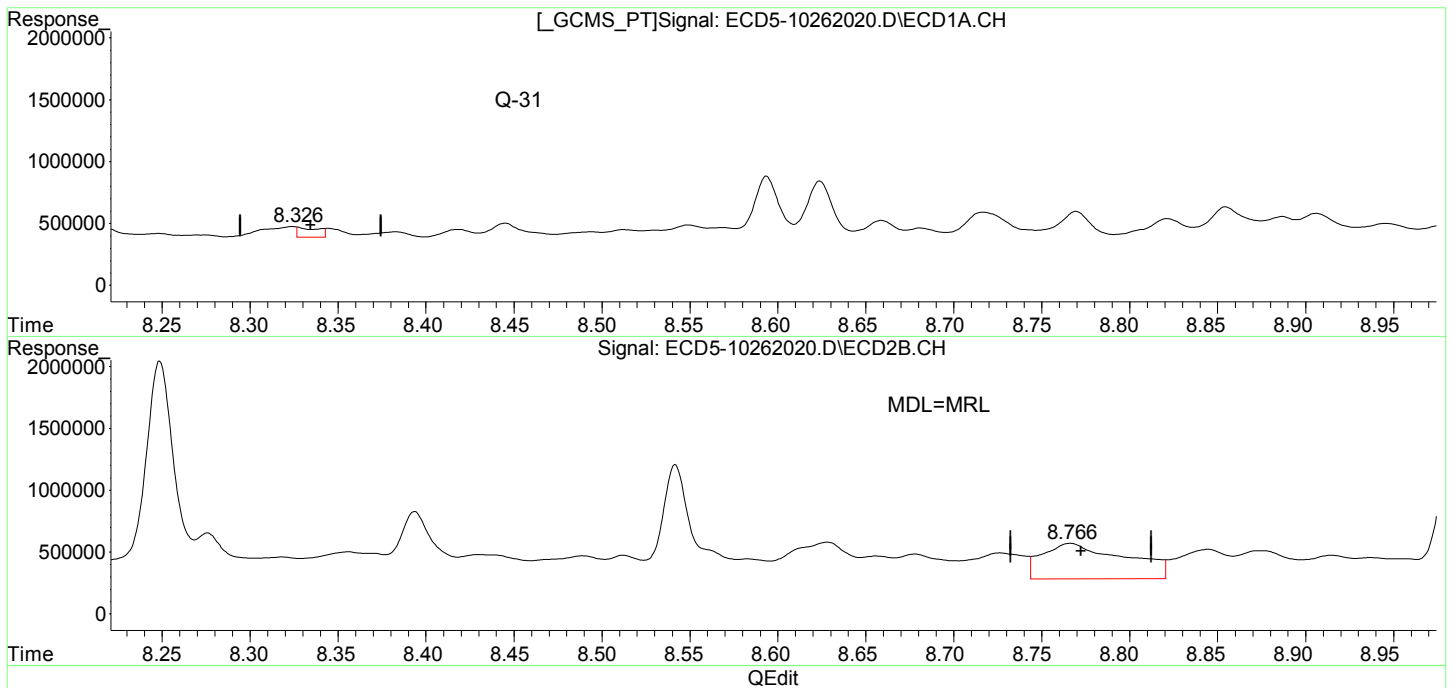
(15) 4,4'-DDD #2
8.542min 3.976 ng/mL
response 928512

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:06
Operator : MJB
Sample : A0J0472-02RE1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:49:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(17) 4,4'-DDT
8.326min 0.420 ng/mL m
response 83861

MJB 10/27/20

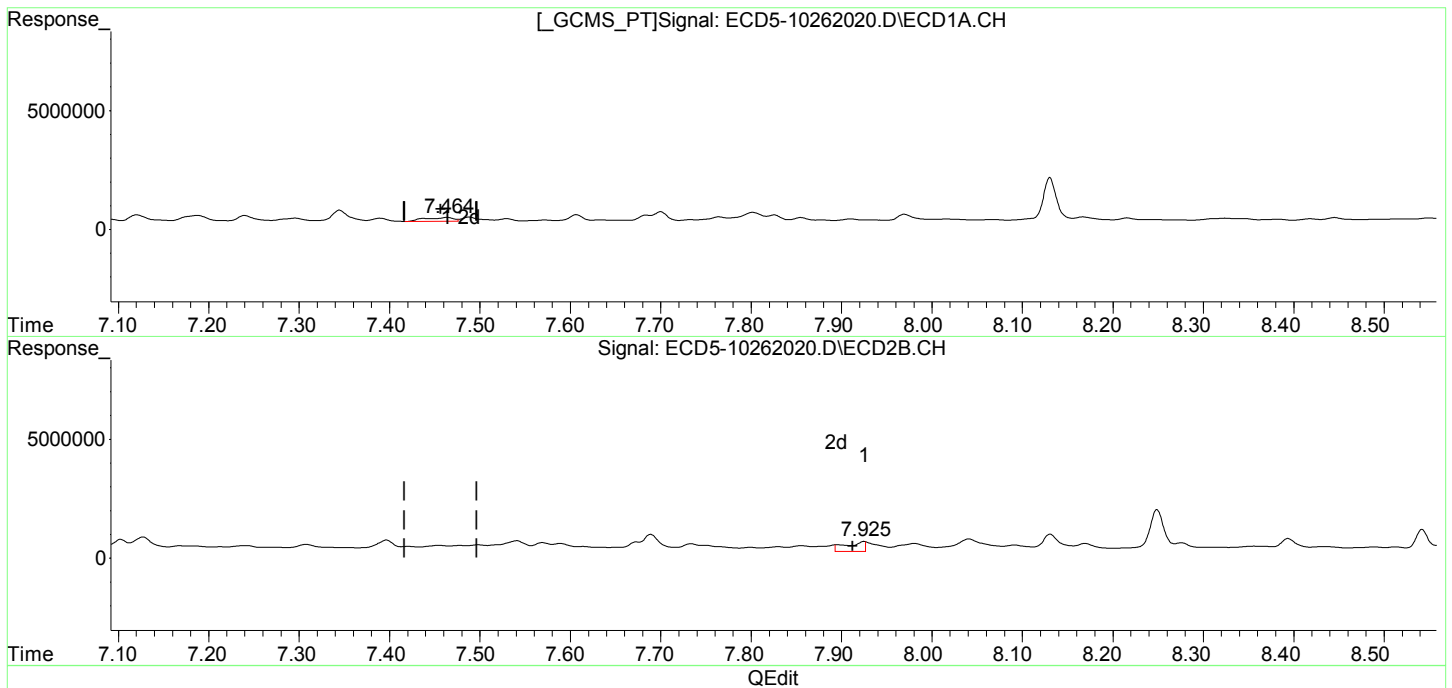
(17) 4,4'-DDT #2
8.766min 1.500 ng/mL
response 285704

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:06
Operator : MJB
Sample : A0J0472-02RE1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:49:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(26) 2,4'-DDE
7.463min 0.832 ng/mL
response 163502

MJB 10/27/20

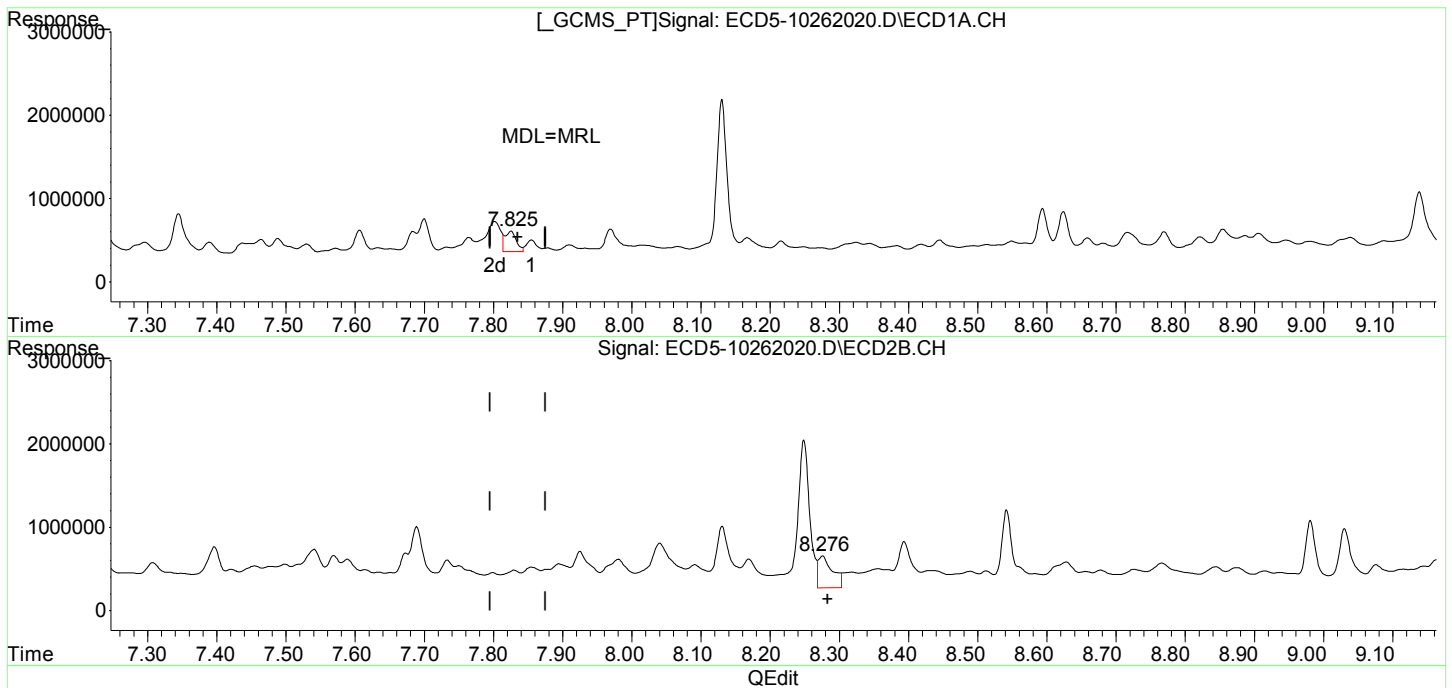
(26) 2,4'-DDE #2
7.925min 2.247 ng/mL m
response 435856

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:06
Operator : MJB
Sample : A0J0472-02RE1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:49:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(28) 2,4'-DDD
7.825min 1.537 ng/mL m
response 244624

MJB 10/27/20

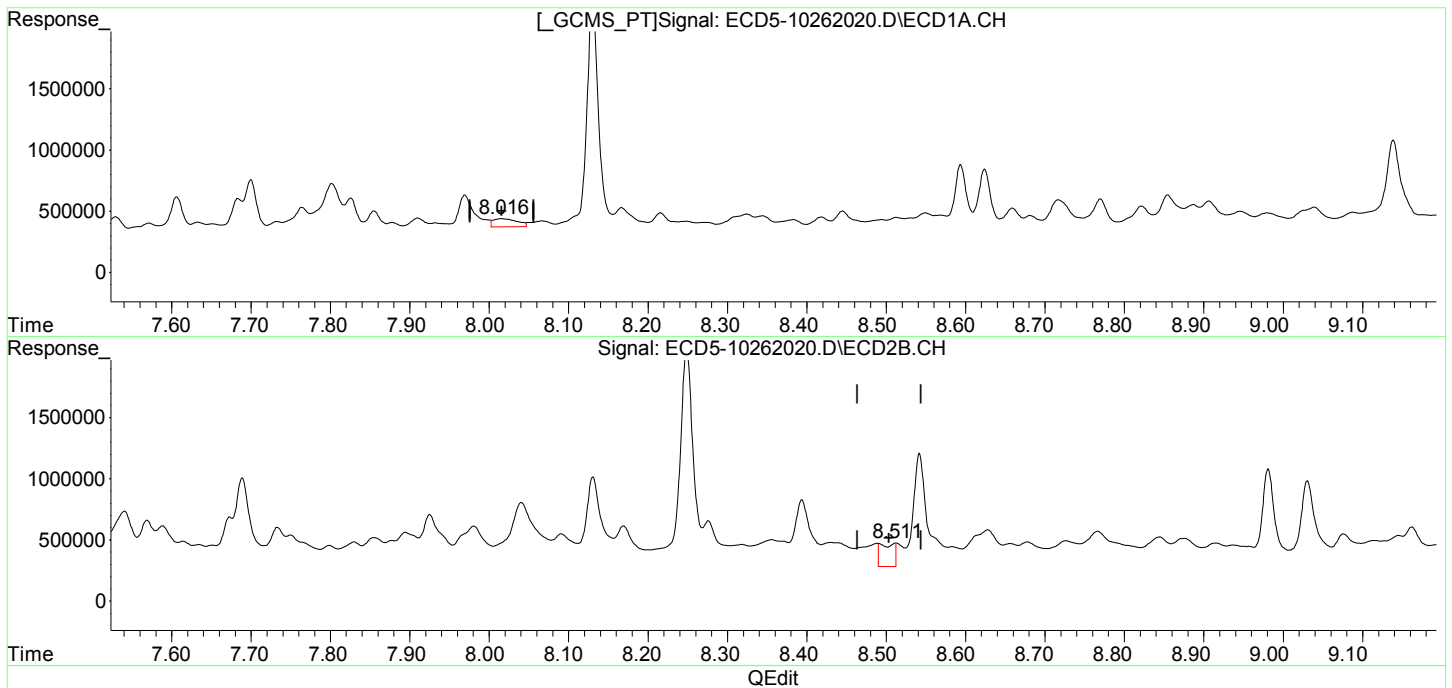
(28) 2,4'-DDD #2
8.276min 2.334 ng/mL
response 382452

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:06
Operator : MJB
Sample : A0J0472-02RE1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:49:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT
8.016min 0.239 ng/mL
response 65566

MJB 10/27/20

(29) 2,4'-DDT #2
8.511min 1.168 ng/mL m
response 195464

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 17:06
 Operator : MJB
 Sample : A0J0472-02RE1 MJB 10/27/20
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 11:49:53 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.494	5.798	12637635	10384291	52.080	33.526 #
22) S DCBP (S)	9.727	10.288	7066616	8275090	43.631	53.633
Target Compounds						
2) a-BHC	6.071	6.406	133440	278482	0.429	0.706 #
3) g-BHC	6.342	6.705	362895	407364	1.375	1.219
4) b-BHC	6.429	6.796	981770	274729	8.522	1.811 #
5) Heptachlor	6.732f	7.103	644952	547110	2.547	1.934
6) d-BHC	6.565f	7.045	158244	411928	0.578	1.142 #
7) Aldrin	7.027f	0.000	63350	0	0.239	N.D. #
8) Heptachlo...	7.463	7.799	163502	192337	0.670	0.705
9) trans-Chl...	7.572	7.925	51327	441679	0.202	1.562 #
10) cis-Chlor...	0.000	8.040	0	538841	N.D.	2.008 #
11) Endosulfa...	7.765	8.091	168656	281448	0.738	1.114 #
12) 4,4'-DDE	7.700	8.131	396016	743905	1.524	2.551 #
13) Dieldrin	7.910f	8.276	75813	382452	0.300	1.359 #
14) Endrin	8.130f	8.489	1794814	192827	9.733	0.987 #
15) 4,4'-DDD	8.130	8.542	1794814	928512	8.217	3.976 #
16) Endosulfa...	8.247	8.656	34847	187033	0.167	0.815 #
17) 4,4'-DDT	8.344	8.766	73180	285704	0.367	1.500 #
18) Endrin Al...	8.549	8.875	88788	225174	0.099	0.787 #
19) Endosulfa...	8.855	9.076	215370	258710	0.930	1.088
20) Methoxychlor	8.659	9.227	120796	293157	1.058	3.032 #
21) Endrin Ke...	9.038f	9.463	96020	296538	0.392	1.193 #
23) Hexachlor...	3.307	3.545f	72095	177238	0.138	0.494 #
24) Hexachlor...	5.915	6.271	177008	19370269	0.557	61.668 #
25) Oxychlorane	7.389	7.733	133712	342041	0.449	1.425 #
26) 2,4'-DDE	7.463	7.925	163502	441679	0.832	2.277 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 17:06
 Operator : MJB
 Sample : A0J0472-02RE1
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 11:49:53 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.606f	7.981	263537	346969	0.982	1.245 #
28)	2,4'-DDD	7.855	8.276	137337	382452	0.759	2.334 #
29)	2,4'-DDT	8.016	8.512	65566	196681	0.239	1.177 #
30)	cis-Nonac...	8.130	8.542	1794814	928512	7.260	3.330 #
31)	Mirex	8.770f	9.463	187840	296538	0.944	1.635 #
32)	Chlordane...	7.606	7.981	263537	346969	9.618	9.793
33)	Chlordane...	7.700	8.091	396016	281448	14.168	9.752 #
34)	Chlordane...	8.247	8.726	34847	209478	4.316	22.584 #
35)	Chlordane...	3.920	3.872	504682	3786076	NoCal	NoCal
36)	Toxaphene...	7.700f	8.276	396016	382452	421.966	139.733 #
37)	Toxaphene...	7.969	8.628	262230	300213	120.744	90.993
38)	Toxaphene...	8.324f	8.678	87779	202078	20.312	42.372 #
39)	Toxaphene...	8.549f	8.726	88788	209478	19.684	26.411 #
40)	Toxaphene...	8.770	8.915	187840	187199	52.853	39.167 #
41)	Toxaphene...	8.822	9.281	125768	273161	30.576	58.156 #
42)	Toxaphene...	3.920	3.872f	504682	3786076	NoCal	NoCal

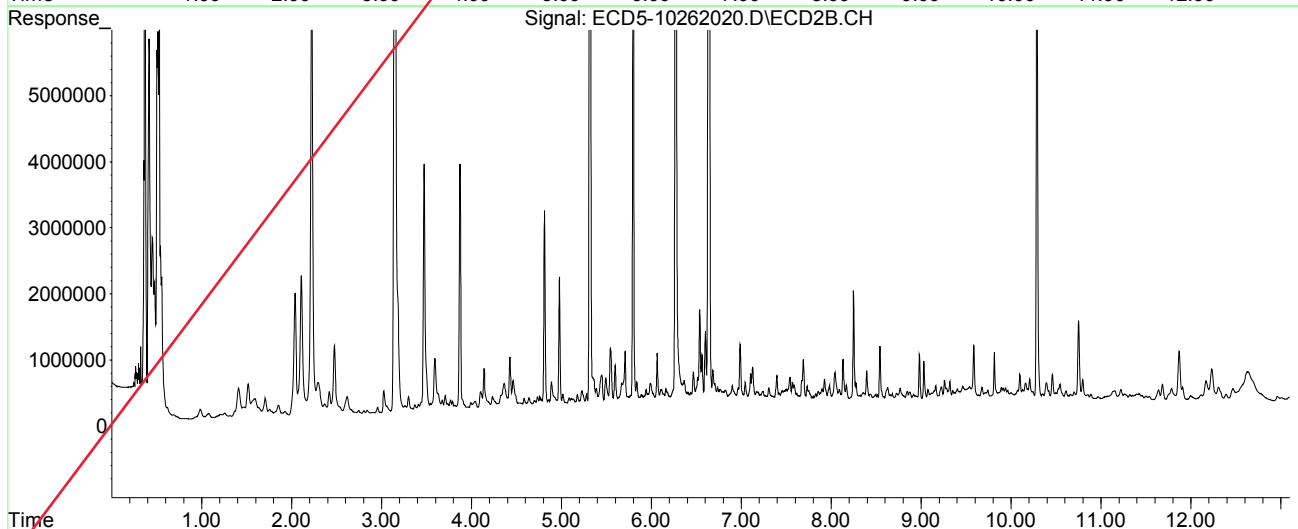
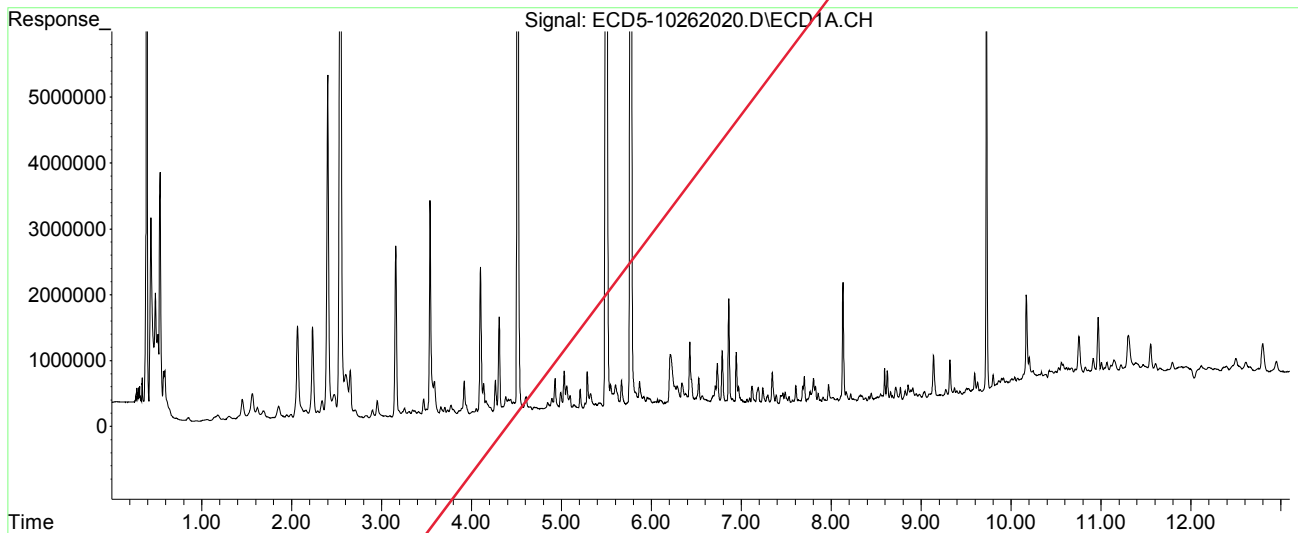
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:06
Operator : MJB
Sample : A0J0472-02RE1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:49:53 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 17:23
 Operator : MJB
 Sample : 0100835-DUP1 MJB 10/27/20
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 11:59:50 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.494	5.797	12203146	11243891	50.290	36.301	#
22) S DCBP (S)	9.728	10.289	8616106	10287754	53.201	66.147	S-04
Target Compounds							
2) a-BHC	6.068	0.000	94348	0	0.303	N.D.	#
3) g-BHC	6.336	6.685f	533636	1245873	2.022	3.728	#
4) b-BHC	6.444	6.760f	877417	1077237	7.595	7.100	#
5) Heptachlor	6.738	7.097	940039	429133	3.713	1.517	#
6) d-BHC	6.560f	7.042	199010	1607012	0.727	4.994	#
7) Aldrin	7.018f	7.346	86802	233105	0.327	0.765	#
8) Heptachlo...	7.453	7.798	234115	280518	0.959	1.028	#
9) trans-Chl...	7.567	7.922	90310	562536	0.355	1.989	#
10) cis-Chlor...	0.000	8.038	0	359317	N.D.	1.339	#
11) Endosulfa...	7.784f	8.067	283727	179353	1.241	0.710	#
12) 4,4'-DDE	7.699	8.129	647732	951228	2.493	3.261	R-02 #
13) Dieldrin	7.913f	8.247f	166829	16210212	0.661	57.620	#
14) Endrin	8.130f	8.489	11867294	296901	64.354	1.520	#
15) 4,4'-DDD	8.130	8.542	11867294	1128505	54.328	4.832	P-01 # R-02
16) Endosulfa...	8.249	8.630	147248	653619	0.707	2.847	#
17) 4,4'-DDT	8.338	8.771	383081	545690	1.920	2.866	Q-31 # R-02
18) Endrin Al...	8.550	8.879	366748	622681	1.548	2.752	#
19) Endosulfa...	8.856	9.076	679008	1168256	3.436	5.646	#
20) Methoxychlor	8.661	9.260f	559454	4286346	5.599	44.334	#
21) Endrin Ke...	9.024f	9.462	1042969	846112	4.260	3.405	#
23) Hexachlor...	0.000	3.543f	0	98007	N.D.	0.273	#
24) Hexachlor...	5.883	6.270	210952	19370919	0.705	61.670	#
25) Oxychlorane	7.388	7.731	182725	311246	0.708	1.297	#
26) 2,4'-DDE	7.453	7.922	234115	577287	1.288	MDL=MRL 2.976m#	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 17:23
 Operator : MJB
 Sample : 0100835-DUP1
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 11:59:50 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.610f	7.966f	4797085	4134792	21.362	14.835 #
28)	2,4'-DDD	7.826	8.269	220639	595778	1.363	MDL=MRL 3.777m#
29)	2,4'-DDT	8.001	8.513	394776	386220	2.638m	R-022.550
30)	cis-Nonac...	8.130	8.542	11867294	1128505	48.882	4.094 #
31)	Mirex	8.809	9.462	501924	846112	3.106	5.324 #
32)	Chlordane...	7.610	7.966	4797085	4134792	175.065	116.699 #
33)	Chlordane...	7.699	8.067	647732	179353	23.174	6.214 #
34)	Chlordane...	8.249	8.729	147248	226145	18.239	24.675 #
35)	Chlordane...	3.919	3.869	283211	2446231	NoCal	NoCal
36)	Toxaphene...	7.699f	0.000	647732	0	677.512	N.D. #
37)	Toxaphene...	7.969	8.630	420937	653619	193.820	198.109
38)	Toxaphene...	8.309	8.676	349105	163777	80.782	34.341 #
39)	Toxaphene...	8.550f	8.729	366748	226145	81.305	28.512 #
40)	Toxaphene...	8.769	8.911	3198145	395728	899.869	82.797 #
41)	Toxaphene...	8.856f	9.285	679008	582296	165.077	123.972
42)	Toxaphene...	3.919	3.869f	283211	2446231	NoCal	NoCal

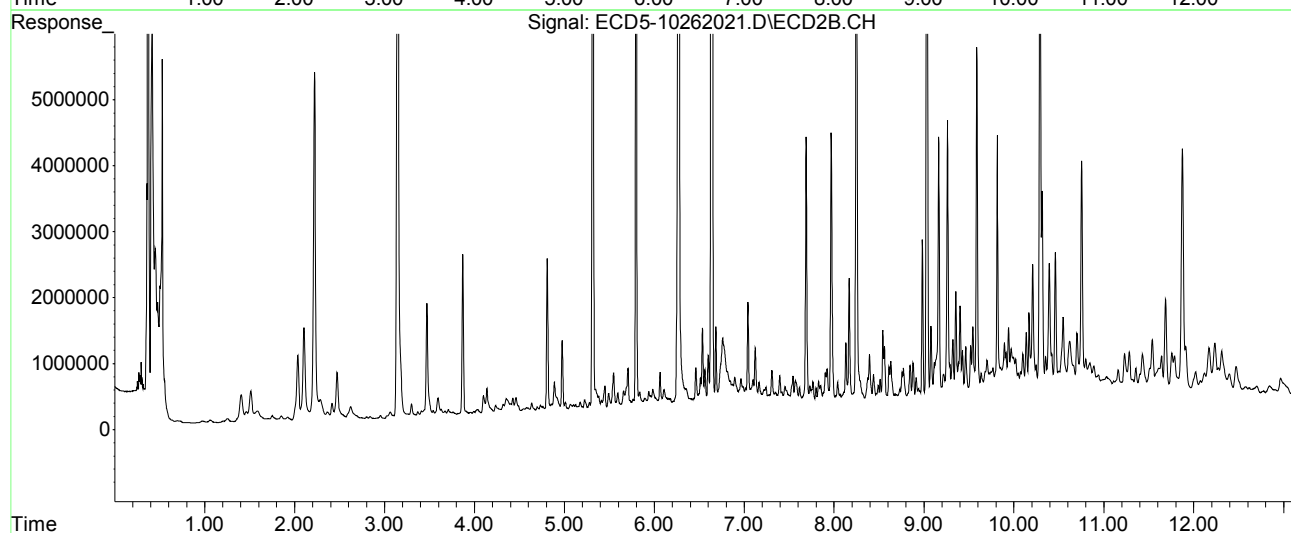
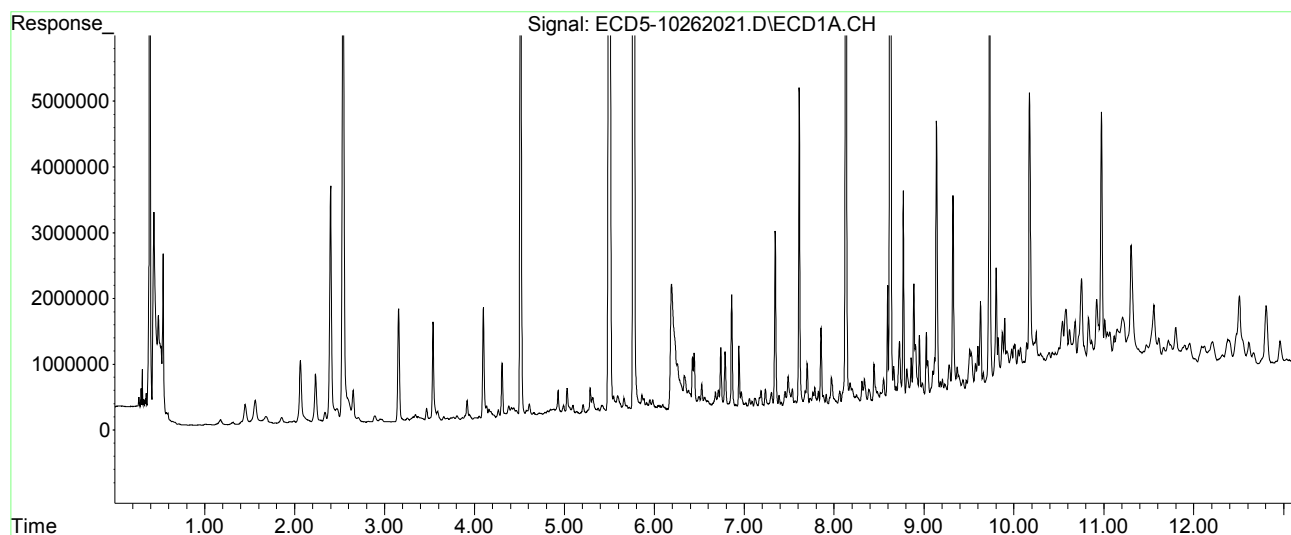
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:23
Operator : MJB
Sample : 0100835-DUP1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:59:50 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

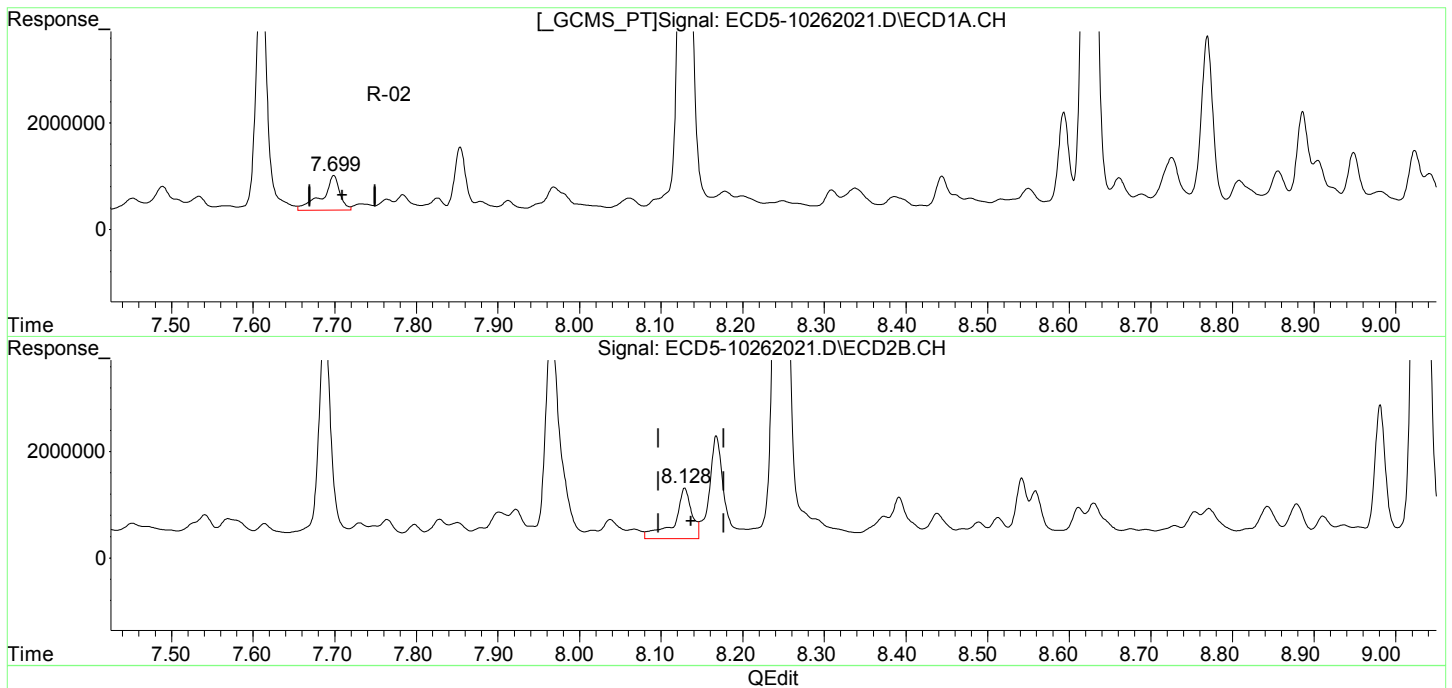


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:23
Operator : MJB
Sample : 0100835-DUP1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:56:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(12) 4,4'-DDE
7.699min 2.493 ng/mL
response 647732

MJB 10/27/20

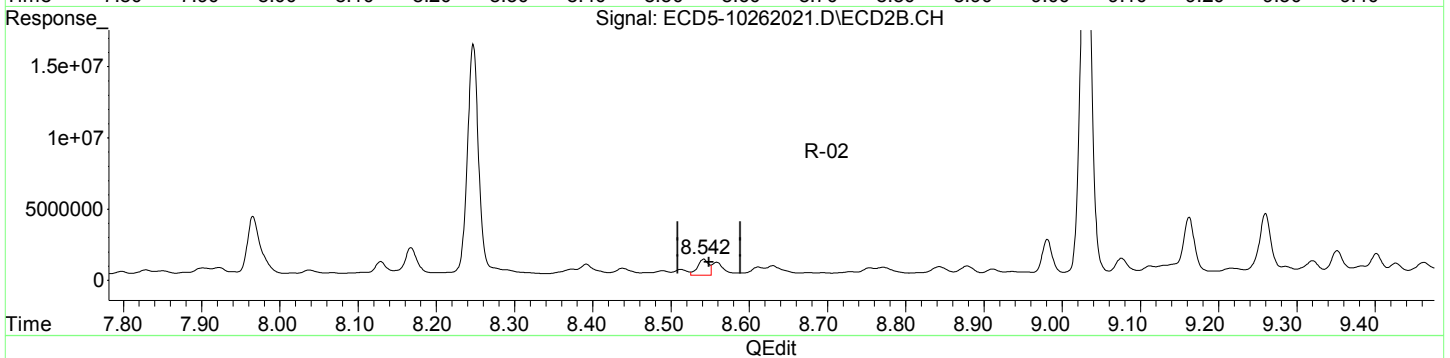
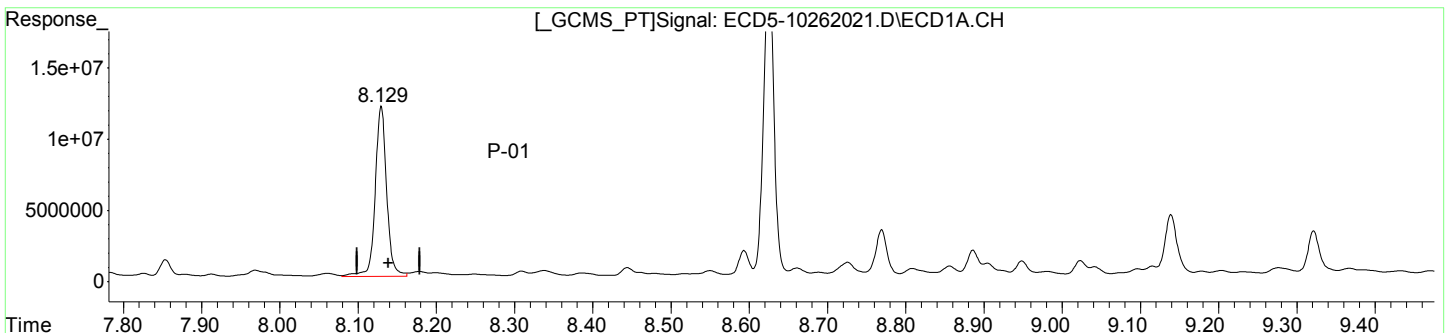
(12) 4,4'-DDE #2
8.129min 3.261 ng/mL
response 951228

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:23
Operator : MJB
Sample : 0100835-DUP1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:56:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(15) 4,4'-DDD
8.130min 54.328 ng/mL
response 11867294

MJB 10/27/20

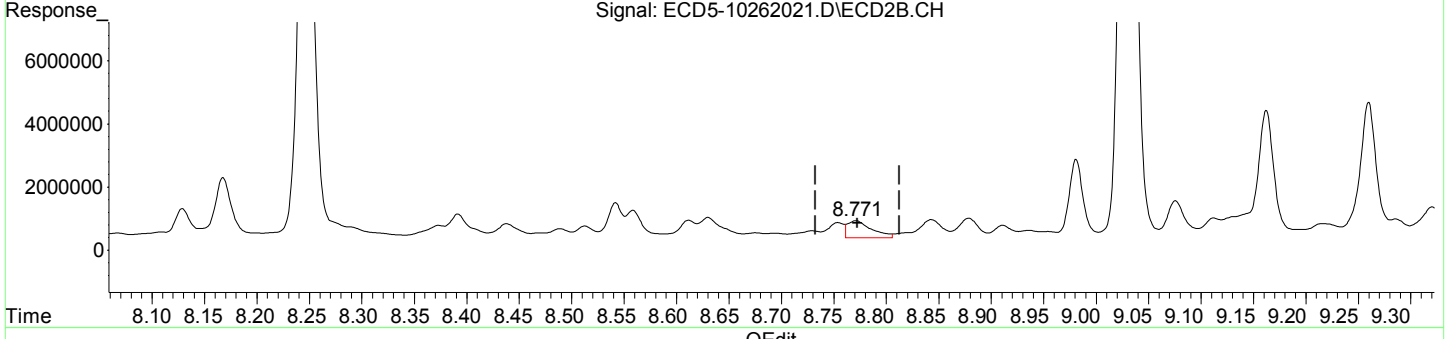
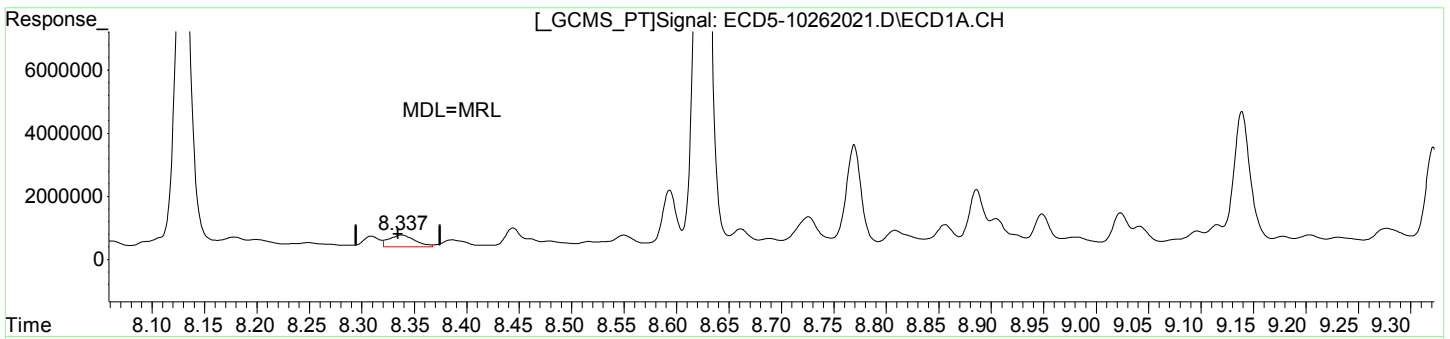
(15) 4,4'-DDD #2
8.542min 4.832 ng/mL
response 1128505

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:23
Operator : MJB
Sample : 0100835-DUP1
Misc : 1x, 8081B 2,4+4,4 DDX Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:56:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



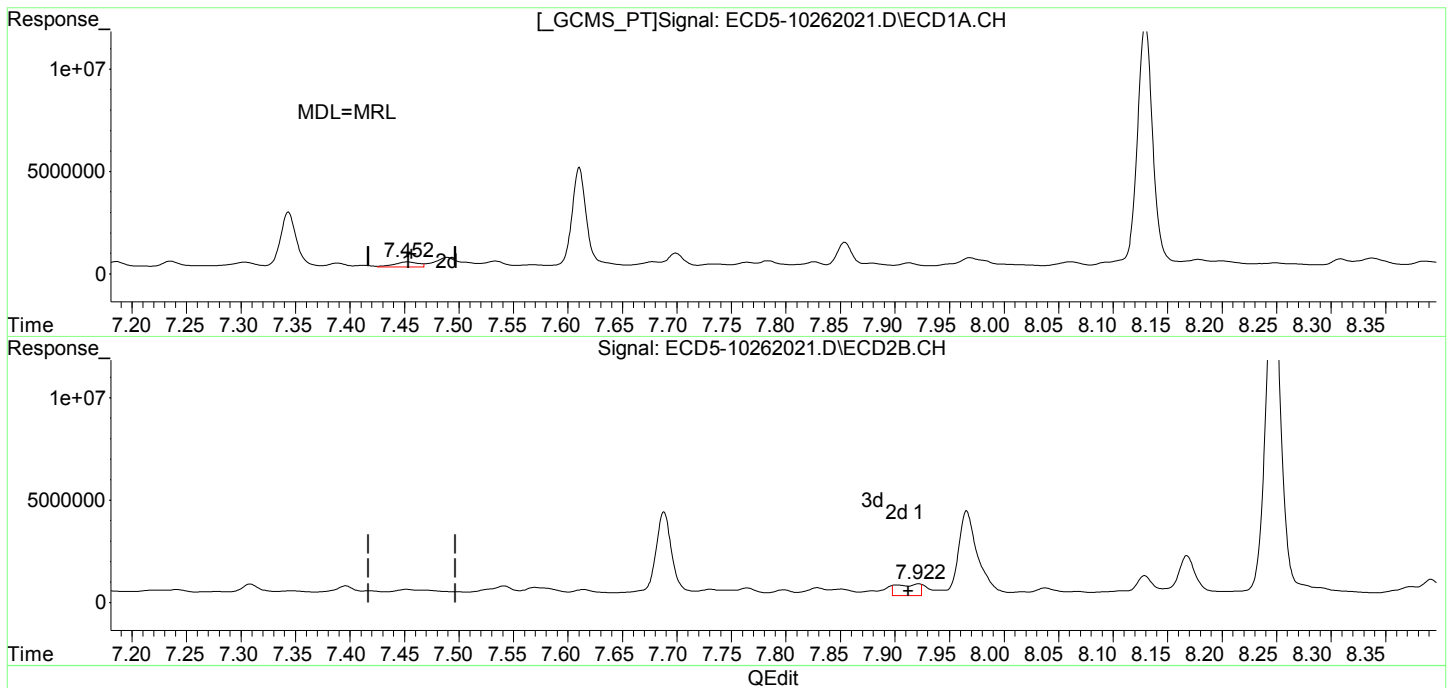
(17) 4,4'-DDT	8.338min	1.920 ng/mL	response 383081	MJB 10/27/20
(17) 4,4'-DDT #2	8.771min	2.866 ng/mL	response 545690	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:23
Operator : MJB
Sample : 0100835-DUP1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:56:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(26) 2,4'-DDE
7.453min 1.288 ng/mL
response 234115

(26) 2,4'-DDE #2
7.922min 2.976 ng/mL m
response 577287

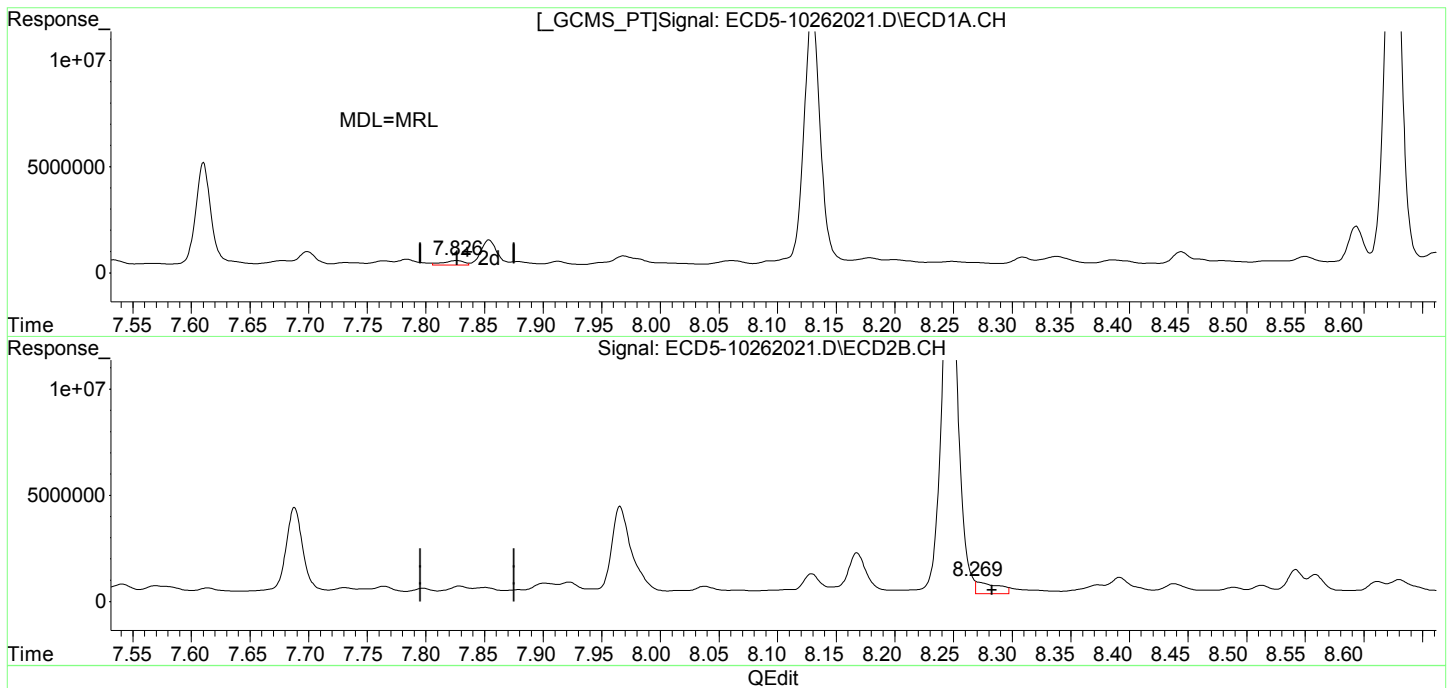
MJB 10/27/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:23
Operator : MJB
Sample : 0100835-DUP1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:56:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(28) 2,4'-DDD
7.826min 1.363 ng/mL
response 220639

MJB 10/27/20

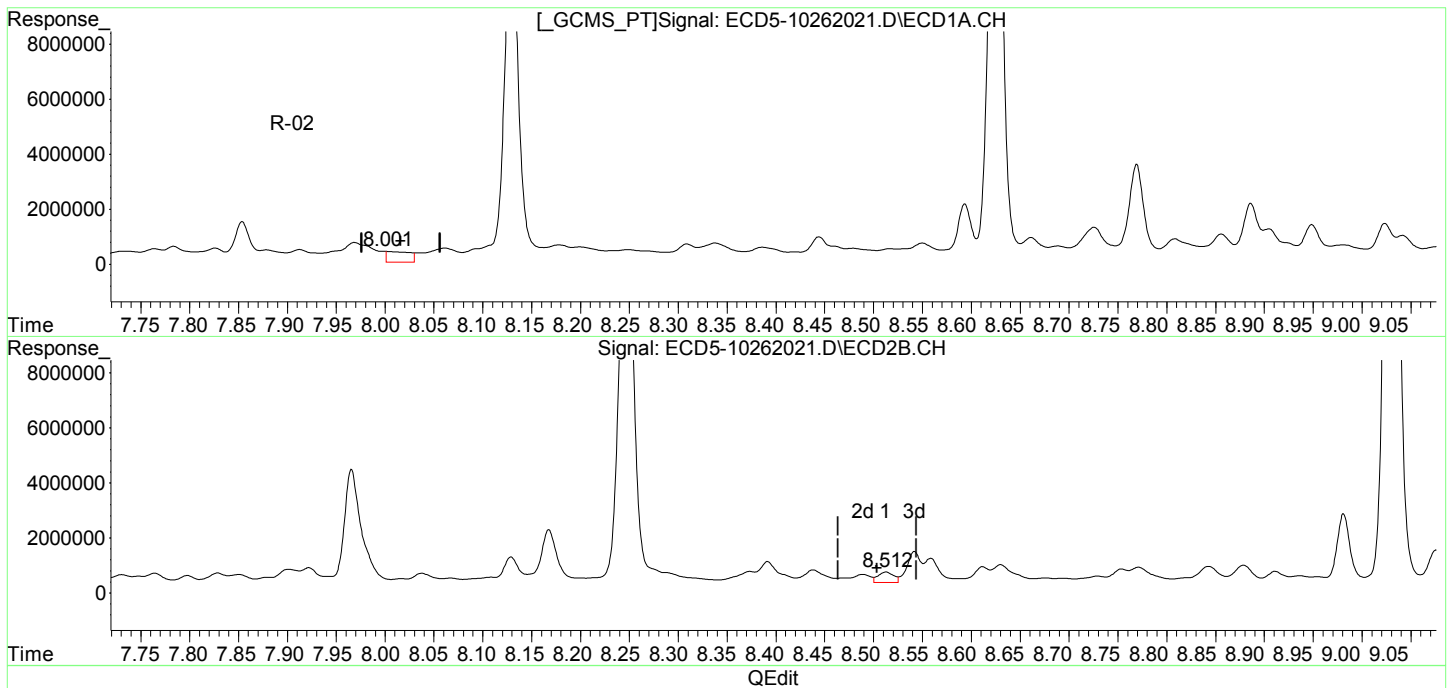
(28) 2,4'-DDD #2
8.269min 3.777 ng/mL m
response 595778

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:23
Operator : MJB
Sample : 0100835-DUP1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:56:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT
8.001min 2.638 ng/mL m
response 394776

MJB 10/27/20

(29) 2,4'-DDT #2
8.513min 2.550 ng/mL
response 386220

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 17:23
 Operator : MJB
 Sample : 0100835-DUP1 MJB 10/27/20
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 11:56:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.494	5.797	12203146	11243891	50.290	36.301 #
22) S DCBP (S)	9.728	10.289	8616106	10287754	53.201	66.147
Target Compounds						
2) a-BHC	6.068	0.000	94348	0	0.303	N.D. #
3) g-BHC	6.336	6.685f	533636	1245873	2.022	3.728 #
4) b-BHC	6.444	6.760f	877417	1077237	7.595	7.100
5) Heptachlor	6.738	7.097	940039	429133	3.713	1.517 #
6) d-BHC	6.560f	7.042	199010	1607012	0.727	4.994 #
7) Aldrin	7.018f	7.346	86802	233105	0.327	0.765 #
8) Heptachlo...	7.453	7.798	234115	280518	0.959	1.028
9) trans-Chl...	7.567	7.922	90310	562536	0.355	1.989 #
10) cis-Chlor...	0.000	8.038	0	359317	N.D.	1.339 #
11) Endosulfa...	7.784f	8.067	283727	179353	1.241	0.710 #
12) 4,4'-DDE	7.699	8.129	647732	951228	2.493	3.261 #
13) Dieldrin	7.913f	8.247f	166829	16210212	0.661	57.620 #
14) Endrin	8.130f	8.489	11867294	296901	64.354	1.520 #
15) 4,4'-DDD	8.130	8.542	11867294	1128505	54.328	4.832 #
16) Endosulfa...	8.249	8.630	147248	653619	0.707	2.847 #
17) 4,4'-DDT	8.338	8.771	383081	545690	1.920	2.866 #
18) Endrin Al...	8.550	8.879	366748	622681	1.548	2.752 #
19) Endosulfa...	8.856	9.076	679008	1168256	3.436	5.646 #
20) Methoxychlor	8.661	9.260f	559454	4286346	5.599	44.334 #
21) Endrin Ke...	9.024f	9.462	1042969	846112	4.260	3.405
23) Hexachlor...	0.000	3.543f	0	98007	N.D.	0.273 #
24) Hexachlor...	5.883	6.270	210952	19370919	0.705	61.670 #
25) Oxychlorane	7.388	7.731	182725	311246	0.708	1.297 #
26) 2,4'-DDE	7.453	7.922	234115	562536	1.288	2.900 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 17:23
 Operator : MJB
 Sample : 0100835-DUP1
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 11:56:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.610f	7.966f	4797085	4134792	21.362	14.835 #
28)	2,4'-DDD	7.826	8.247f	220639	16210212	1.363	100.047 #
29)	2,4'-DDT	0.000	8.513	0	386220	N.D.	2.550 #
30)	cis-Nonac...	8.130	8.542	11867294	1128505	48.882	4.094 #
31)	Mirex	8.809	9.462	501924	846112	3.106	5.324 #
32)	Chlordane...	7.610	7.966	4797085	4134792	175.065	116.699 #
33)	Chlordane...	7.699	8.067	647732	179353	23.174	6.214 #
34)	Chlordane...	8.249	8.729	147248	226145	18.239	24.675 #
35)	Chlordane...	3.919	3.869	283211	2446231	NoCal	NoCal
36)	Toxaphene...	7.699f	0.000	647732	0	677.512	N.D. #
37)	Toxaphene...	7.969	8.630	420937	653619	193.820	198.109
38)	Toxaphene...	8.309	8.676	349105	163777	80.782	34.341 #
39)	Toxaphene...	8.550f	8.729	366748	226145	81.305	28.512 #
40)	Toxaphene...	8.769	8.911	3198145	395728	899.869	82.797 #
41)	Toxaphene...	8.856f	9.285	679008	582296	165.077	123.972
42)	Toxaphene...	3.919	3.869f	283211	2446231	NoCal	NoCal

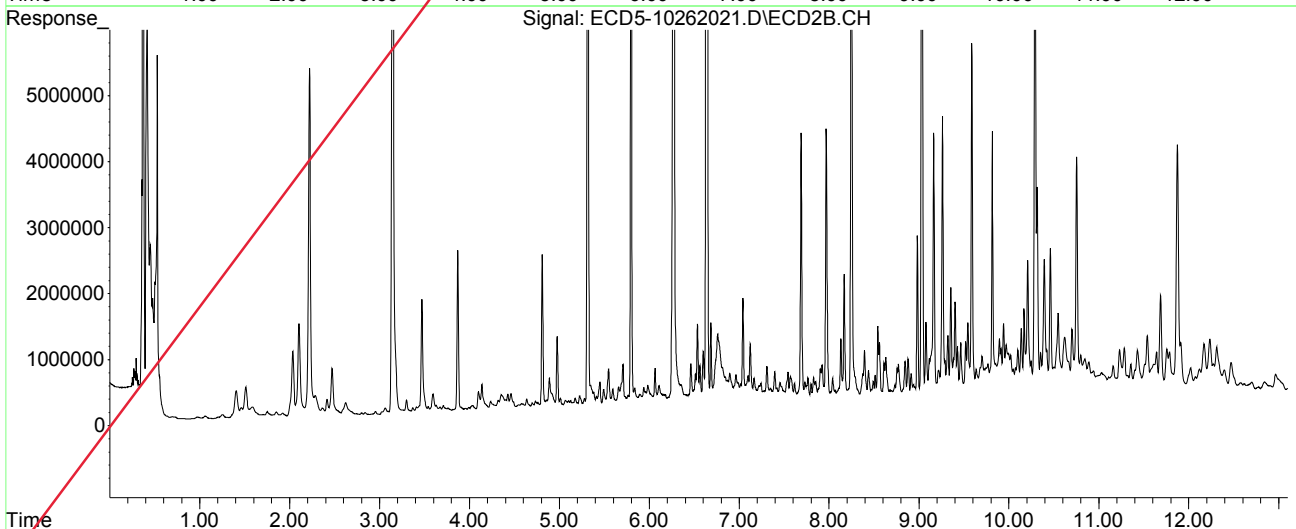
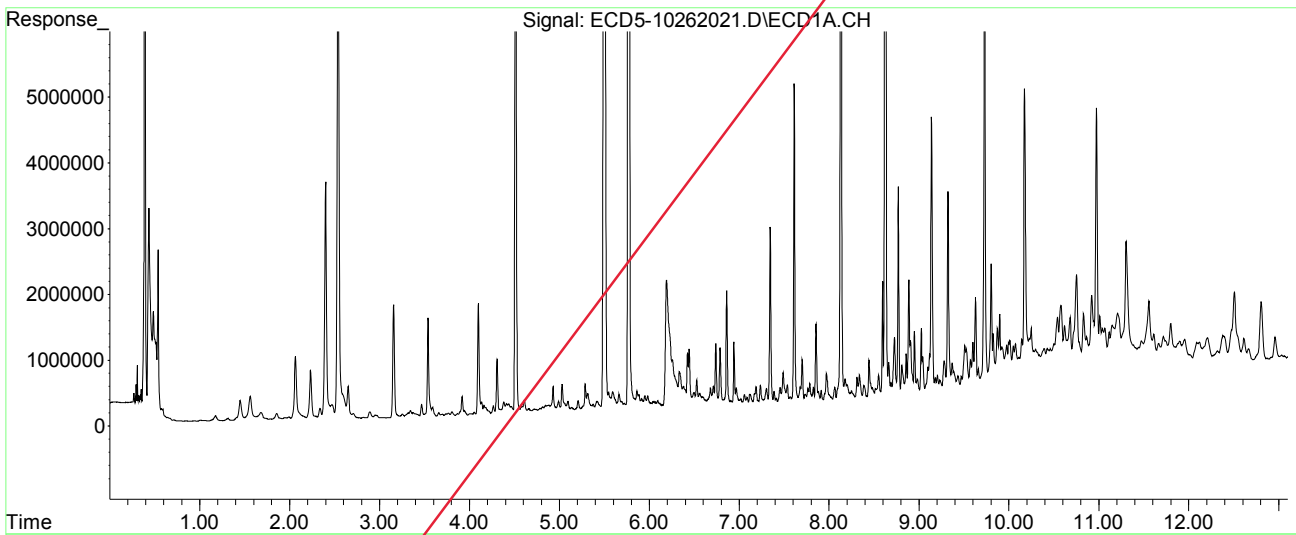
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 17:23
Operator : MJB
Sample : 0100835-DUP1
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 11:56:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 19:10
 Operator : MJB
 Sample : 0J26062-CCV5 MJB 10/27/20
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1'

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 12:16:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.508	5.796	11366683	15718613	46.842	50.748
22) S DCBP (S)	9.730	10.289	7764585	8848491	47.945	57.219
Target Compounds						
2) a-BHC	6.061	6.393	15216117	22138584	48.922	56.150
3) g-BHC	6.350	6.708	12086940	17784367	45.802	53.213
4) b-BHC	6.433	6.778	5016683	7176044	44.604	47.295
5) Heptachlor	6.750	7.081	10919875	15229362	43.130	53.848
6) d-BHC	6.585	7.025	11633380	17357924	42.505	52.818
7) Aldrin	6.992	7.343	12865379	17137909	48.489	56.211
8) Heptachlo...	7.462	7.779	11318660	14874283	46.351	54.531
9) trans-Chl...	7.554	7.919	11747163	15194524	46.232	53.729
10) cis-Chlor...	7.651	8.025	11292278	14754869	46.446	54.994
11) Endosulfa...	7.755	8.073	10601529	14229274	46.374	56.307
12) 4,4'-DDE	7.706	8.131	11345598	15574118	43.663	53.397
13) Dieldrin	7.928	8.271	12069968	15736017	47.836	55.934
14) Endrin	8.097	8.493	5981253	7361355	32.435	37.684
15) 4,4'-DDD	8.135	8.544	9855074	13009258	45.116	55.705
16) Endosulfa...	8.259	8.640	9143875	12145049	43.875	52.897
17) 4,4'-DDT	8.330	8.767	6997345	8560193	35.073	44.952
18) Endrin Al...	8.553	8.875	9041475	11125513	47.137	53.283
19) Endosulfa...	8.858	9.068	8558743	10878042	45.602	51.917
20) Methoxychlor	8.665	9.234	3627405	4470898	37.100	46.243
21) Endrin Ke...	9.058	9.455	11148032	14137778	45.535	56.898
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.895	6.294f	27787	9305	BelowCal	BelowCal
25) Oxychlorane	0.000	7.705	0	19397	N.D.	0.081
26) 2,4'-DDE	7.462	7.919	11318660	15194524	73.218	78.325

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 19:10
 Operator : MJB
 Sample : 0J26062-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 12:16:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.651	7.970f	11292278	74653	50.196	0.268	#
28)	2,4'-DDD	0.000	8.271	0	15736017	N.D.	97.353	#
29)	2,4'-DDT	0.000	8.493	0	7361355	N.D.	49.808	#
30)	cis-Nonac...	8.135	8.544	9855074	13009258	40.614	47.173	
31)	Mirex	0.000	9.455	0	14137778	N.D.	88.583	#
32)	Chlordane...	0.000	7.970	0	74653	N.D.	2.107	#
33)	Chlordane...	7.706	8.073	11345598	14229274	405.909	493.031	
34)	Chlordane...	8.259	8.720	9143875	61615	1132.606	4.004	#
35)	Chlordane...	3.882f	0.000	7200	0	NoCal	N.D.	
36)	Toxaphene...	7.651f	8.271f	11292278	15736017	7506.263	5749.339	
37)	Toxaphene...	0.000	8.640	0	12145049	N.D.	3681.104	#
38)	Toxaphene...	8.259f	8.640f	9143875	12145049	2115.872	2546.566	
39)	Toxaphene...	8.553f	8.720	9041475	61615	2004.430	7.768	#
40)	Toxaphene...	8.731f	8.953f	98809	441865	27.802	92.450	#
41)	Toxaphene...	8.858f	9.326f	8558743	113823	2080.752	24.233	#
42)	Toxaphene...	3.882	0.000	7200	0	NoCal	N.D.	

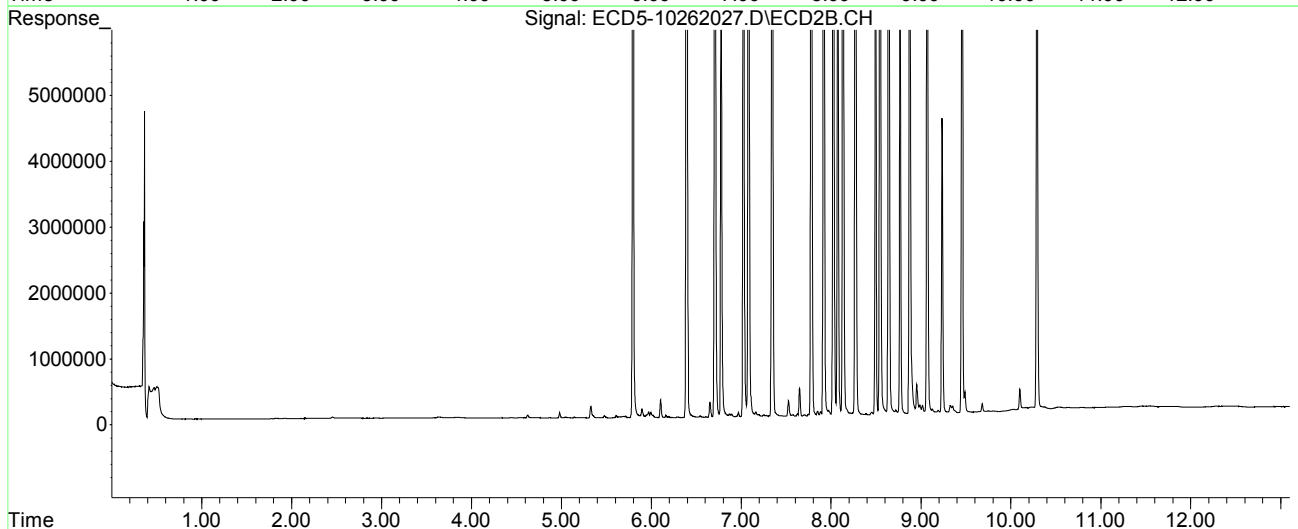
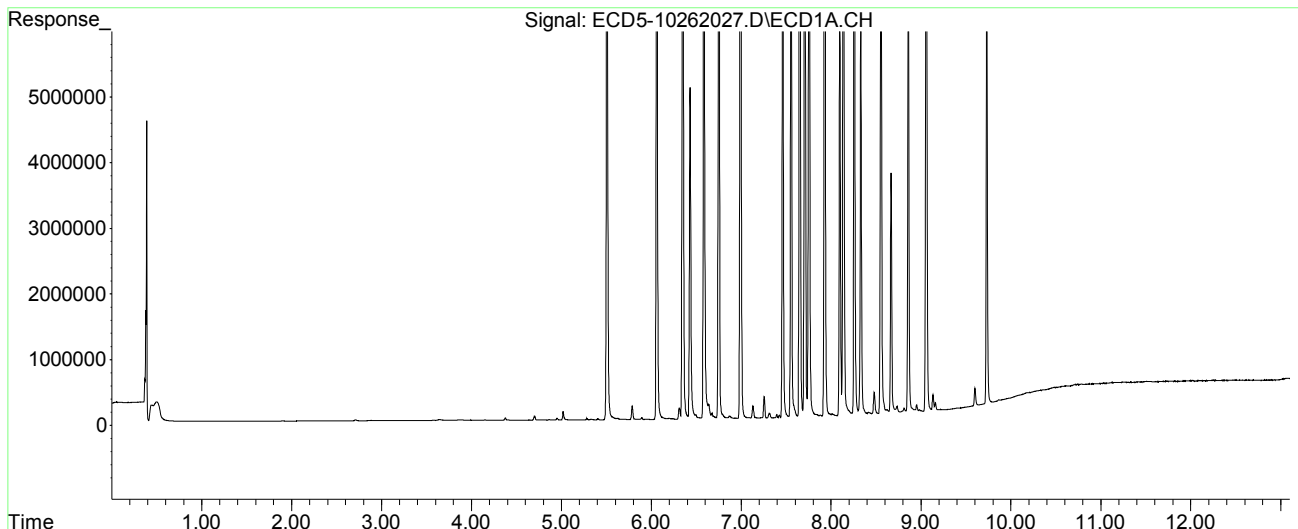
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 19:10
Operator : MJB
Sample : 0J26062-CCV5
Misc : A20H475, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 12:16:23 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 19:28
 Operator : MJB
 Sample : 0J26062-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 12:40:34 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.479f	5.833f	85444	109387	0.352	0.353
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.097f	6.392	21436	42884	0.069	0.109 #
3) g-BHC	6.348	0.000	6663	0	0.025	N.D. #
4) b-BHC	6.445	0.000	5324	0	5685.388	N.D. #
5) Heptachlor	6.748	7.080	34900	41873	0.138	0.148
6) d-BHC	6.588	0.000	5732	0	0.021	N.D. #
7) Aldrin	6.991	7.380f	1623	16819	0.006	0.055 #
8) Heptachlo...	7.453	7.817f	7349420	249100	30.097	0.913 #
9) trans-Chl...	0.000	7.907	0	9628079	N.D.	34.046 #
10) cis-Chlor...	7.638	0.000	11108236	0	45.689	N.D. #
11) Endosulfa...	7.735f	8.091	53473	55967	0.234	0.221
12) 4,4'-DDE	7.735f	0.000	53473	0	0.206	N.D. #
13) Dieldrin	7.904f	8.278	79527	8639903	0.315	30.711 #
14) Endrin	8.116	8.498	11844646	7168807	64.231	36.699 #
15) 4,4'-DDD	8.116f	8.542	11844646	15626234	54.224	66.911
16) Endosulfa...	8.264	8.682f	8317	16707	0.040	0.073 #
17) 4,4'-DDT	8.329	0.000	5691	0	0.029	N.D. #
18) Endrin Al...	8.552	8.882	10456	16689	6021.173	BelowCal #
19) Endosulfa...	8.890f	0.000	32924	0	BelowCal	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.443	0	8672300	N.D.	34.902 #
23) Hexachlor...	3.298	3.507	11519584	17927505	51.037	49.951
24) Hexachlor...	5.894	6.259	10934261	15551254	47.151	49.810
25) Oxychlorane	7.384	7.710	9540948	12366597	49.469	51.521
26) 2,4'-DDE	7.453	7.907	7349420	9628079	47.403	49.631

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 19:28
 Operator : MJB
 Sample : 0J26062-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 12:40:34 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.638	7.985	11108236	14394597	49.385	51.647
28)	2,4'-DDD	7.831	8.278	6659728	8639903	47.843	55.470
29)	2,4'-DDT	8.012	8.498	5849402	7168807	41.871	48.579
30)	cis-Nonac...	8.116	8.542	11844646	15626234	48.789	56.123
31)	Mirex	8.786	9.443	6989492	8672300	47.648	55.621
32)	Chlordane...	7.638f	7.985	11108236	14394597	405.383	406.268
33)	Chlordane...	7.735f	8.091	53473	55967	1.913	1.939
34)	Chlordane...	8.264	0.000	8317	0	1.030	N.D. #
35)	Chlordane...	3.877f	3.904	9993	7196	NoCal	NoCal
36)	Toxaphene...	7.638f	8.278	11108236	8639903	7418.822	3156.690 #
37)	Toxaphene...	8.012f	0.000	5849402	0	2693.346	N.D. #
38)	Toxaphene...	8.307	8.682	6364	16707	1.473	3.503 #
39)	Toxaphene...	8.509f	0.000	10298	0	2.283	N.D. #
40)	Toxaphene...	8.786f	8.882f	6989492	16689	1966.650	3.492 #
41)	Toxaphene...	0.000	9.285	0	7619	N.D.	1.622 #
42)	Toxaphene...	3.877f	3.904	9993	7196	NoCal	NoCal

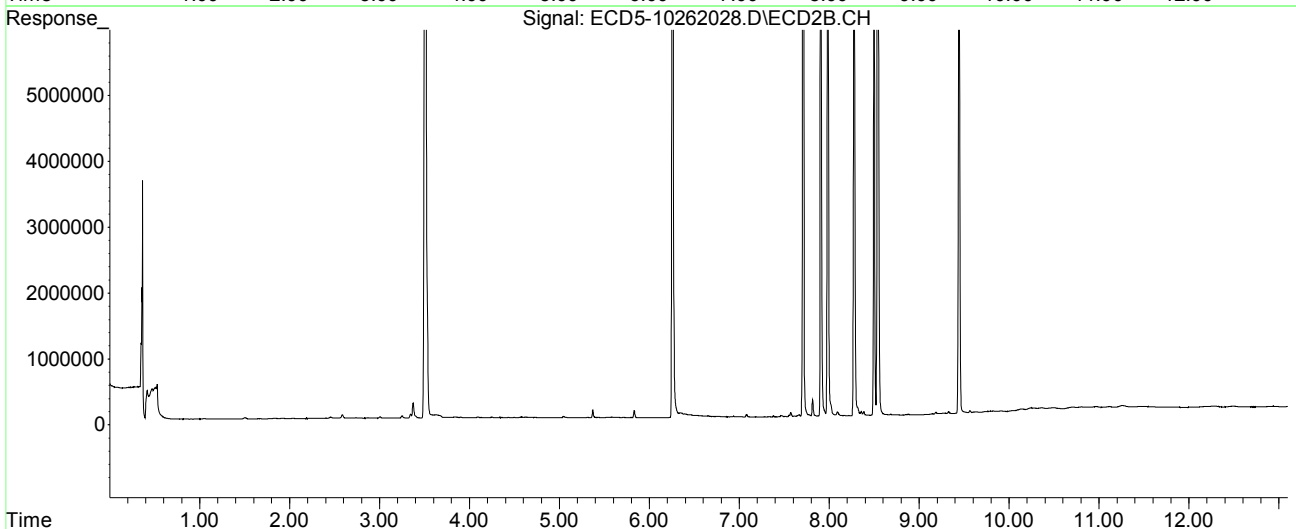
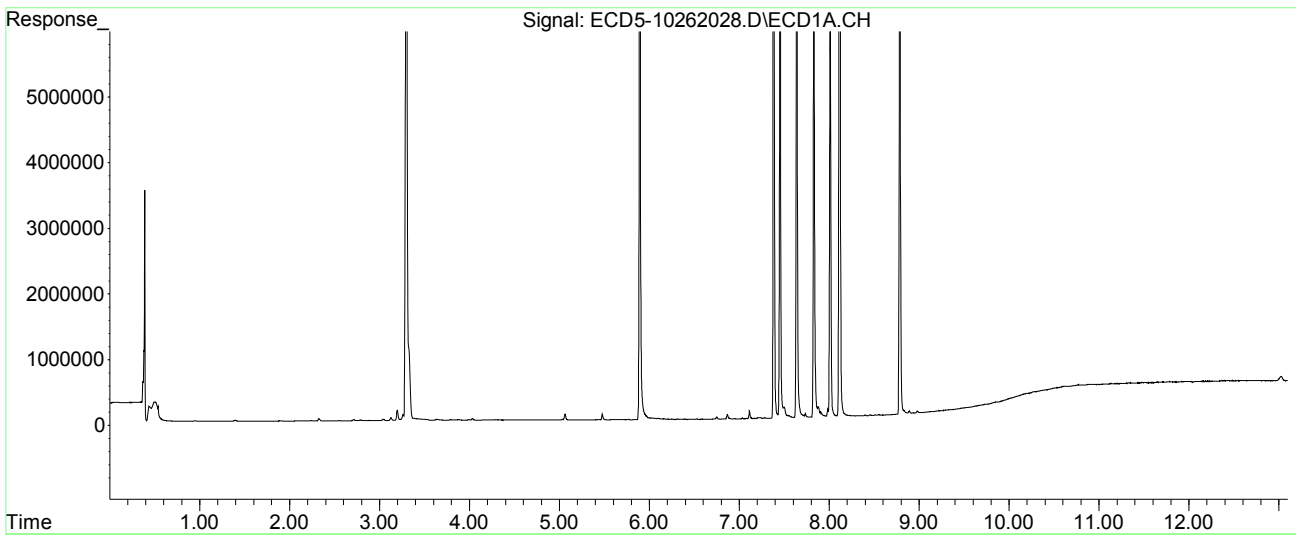
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 19:28
Operator : MJB
Sample : 0J26062-CCV6
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 12:40:34 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 19:45
 Operator : MJB
 Sample : 0J26062-CCB3 MJB 10/27/20
 Misc : A20J148
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 12:41:34 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.507	5.796	22053665	31661554	90.884	102.220
22) S DCBP (S)	9.731	10.289	14826899	17703816	91.334	110.573
Target Compounds						
2) a-BHC	6.042f	0.000	4404	0	0.014	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.590	0.000	1924	0	0.007	N.D. #
7) Aldrin	0.000	7.383f	0	23369	N.D.	0.077 #
8) Heptachlo...	7.498f	0.000	1240	0	0.005	N.D. #
9) trans-Chl...	7.545	7.938	16877	8814	0.066	0.031 #
10) cis-Chlor...	7.673	0.000	6138	0	0.025	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.715	0.000	3778	0	0.015	N.D. #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	8.262	0.000	2428	0	0.012	N.D. #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.559	8.858f	4493	29743	6021.204	BelowCal #
19) Endosulfa...	8.863	9.071	2978	2350	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.895	6.299f	49375	8935	0.003	BelowCal #
25) Oxychlorane	7.389	0.000	557	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	7.938f	0	8814	N.D.	0.045 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 19:45
 Operator : MJB
 Sample : 0J26062-CCB3
 Misc : A20J148
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 12:41:34 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.673f	0.000	6138	0	BelowCal	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	7.996	0.000	1123	0	BelowCal	N.D.
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	8.783	0.000	4551	0	BelowCal	N.D.
32)	Chlordane...	0.000	7.938f	0	8814	N.D.	0.249 #
33)	Chlordane...	7.715	0.000	3778	0	0.135	N.D. #
34)	Chlordane...	8.262	8.689f	2428	13661	0.301	BelowCal #
35)	Chlordane...	3.885f	0.000	7311	0	NoCal	N.D.
36)	Toxaphene...	7.673	0.000	6138	0	2.912	N.D. #
37)	Toxaphene...	7.996f	0.000	1123	0	0.517	N.D. #
38)	Toxaphene...	8.262f	8.689	2428	13661	0.562	2.865 #
39)	Toxaphene...	8.515	0.000	21559	0	4.780	N.D. #
40)	Toxaphene...	8.783	0.000	4551	0	1.281	N.D. #
41)	Toxaphene...	8.863f	9.317f	2978	6078	0.724	1.294 #
42)	Toxaphene...	3.885	0.000	7311	0	NoCal	N.D.

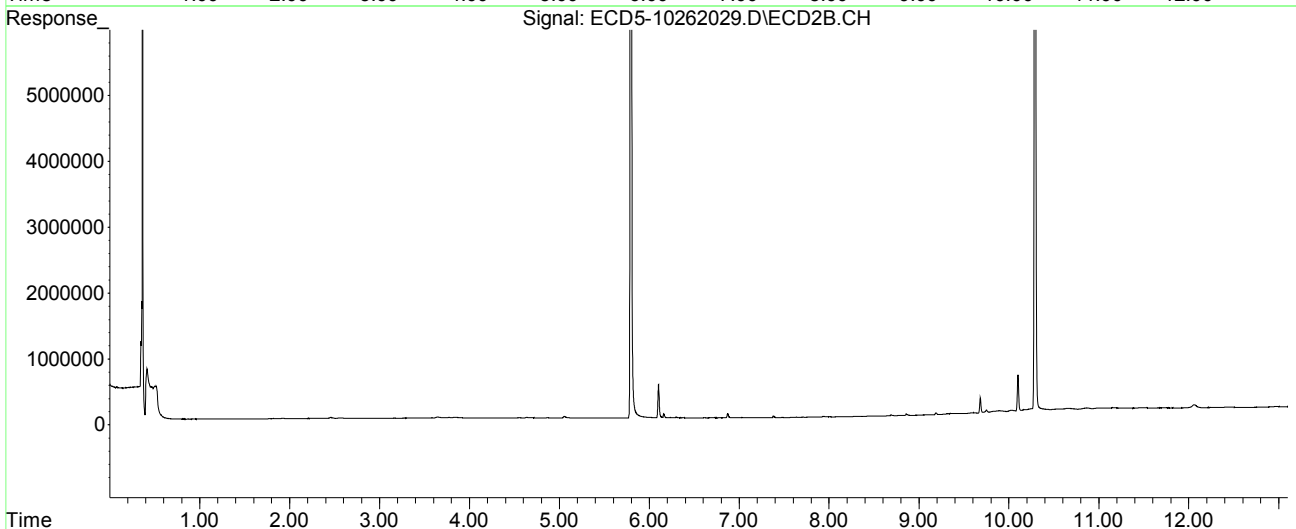
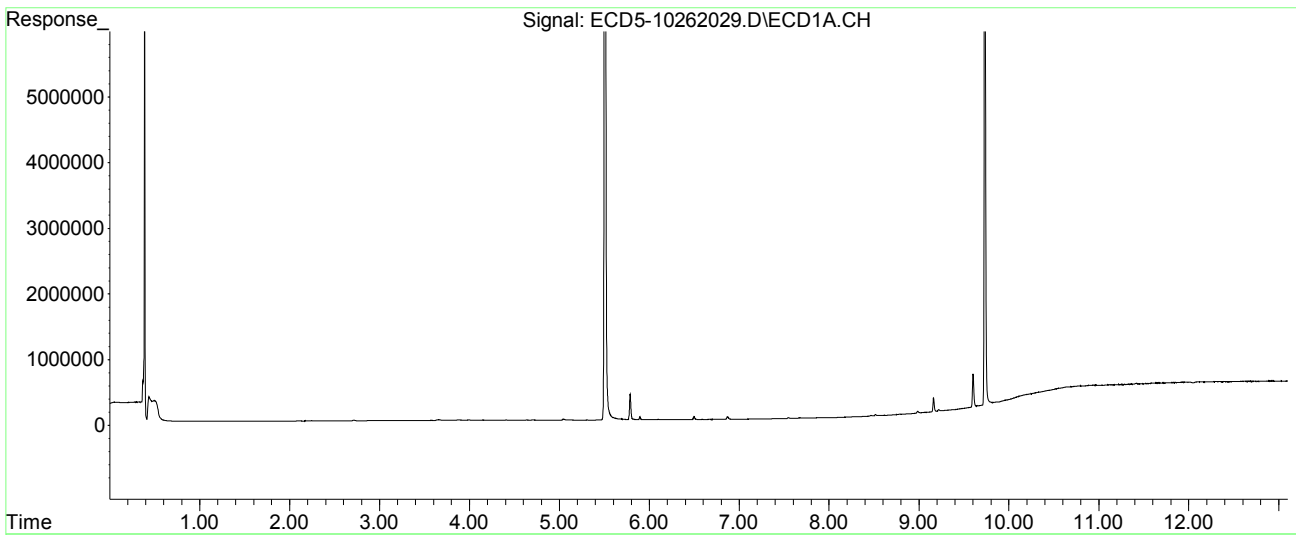
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 19:45
Operator : MJB
Sample : 0J26062-CCB3
Misc : A20J148
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 12:41:34 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014RT1.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Sequence 0J27055 (A0J0472-03RE1,04RE1,05RE1,06RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **OJ27055**

Instrument: **DUALECD8**

Date: **10/27/20 11:13**

Calibration: **A0J2107**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ27055-BKD1	Water	QC	QC				A20H479
2	OJ27055-CCV1	Water	QC	QC				A20H475
3	OJ27055-CCV2	Water	QC	QC				A20I185
4	OJ27055-CCB1	Water	QC	QC				A20J148
5	0100818-BLK1	Water	QC	QC		0100818		
6	0100818-BS1	Water	QC	QC		0100818		
7	0100818-BSD1	Water	QC	QC		0100818		
8	A0J0414-01RE1	Water	608.3 Pesticides (SW)		10/23/20	0100818		
9	A0J0371-07RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/23/20	0100834		
10	0100834-MS2	Sediment	QC	QC		0100834		
11	0100834-MSD2	Sediment	QC	QC		0100834		
12	A0J0371-08RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/23/20	0100834		
13	A0J0371-09RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/23/20	0100834		
14	A0J0371-10RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/23/20	0100834		
15	OJ27055-CCV3	Water	QC	QC				A20H476
16	OJ27055-CCV4	Water	QC	QC				A20I186
17	OJ27055-CCB2	Water	QC	QC				A20J148
18	A0J0472-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/26/20	0100835		
19	A0J0472-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/26/20	0100835		
20	A0J0472-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/26/20	0100835		
21	A0J0472-06RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/26/20	0100835		
22	0100835-MS1	Sediment	QC	QC		0100835		
23	A0J0494-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/27/20	0100835		
24	OJ27055-IBL1	Water	QC	QC				
25	A0J0494-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/27/20	0100835		
26	OJ27055-IBL2	Water	QC	QC				
27	A0J0494-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/27/20	0100835		
28	OJ27055-IBL3	Water	QC	QC				
29	A0J0494-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/27/20	0100835		
30	A0J0494-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	10/27/20	0100835		
31	OJ27055-IBL4	Water	QC	QC				
32	OJ27055-CCV5	Water	QC	QC				A20H475
33	OJ27055-CCV6	Water	QC	QC				A20I185
34	OJ27055-CCB3	Water	QC	QC				A20J148
35	OJ27055-IBL5	Water	QC	QC				

Data Entered By/Date: MJB 10/28/20

Comments: **COMPLETE**

Data Reviewed By/Date: MKZ 10/29/2020

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272003.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 11:56
 Operator : MJB
 Sample : 0J27055-BKD1
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 12:11:52 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_2010015.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	7.854	17721099	NoCal	ng/mL
2) Endrin	8.246	1338978995	NoCal	ng/mL
3) 4,4'-DDD	8.281	144507438	NoCal	ng/mL
4) 4,4'-DDT	8.476	2779597203	NoCal	ng/mL
5) Endrin Aldehyde	8.703	118525432	NoCal	ng/mL
6) Endrin Ketone	9.208	214110583	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.294	13941829	NoCal	ng/mL
9) Endrin [2C]	8.661	1396959719	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.707	135841907	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.042	104751061	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.930	2978050177	NoCal	ng/mL
13) Endrin Ketone [2C]	9.626	197971594	NoCal	ng/mL

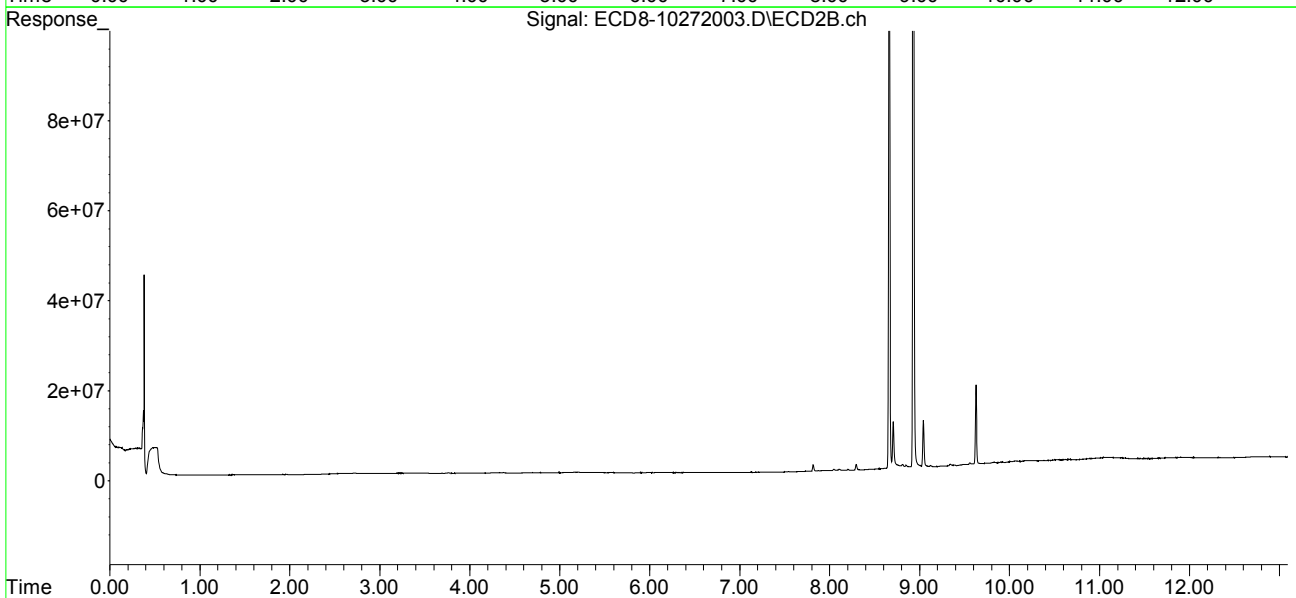
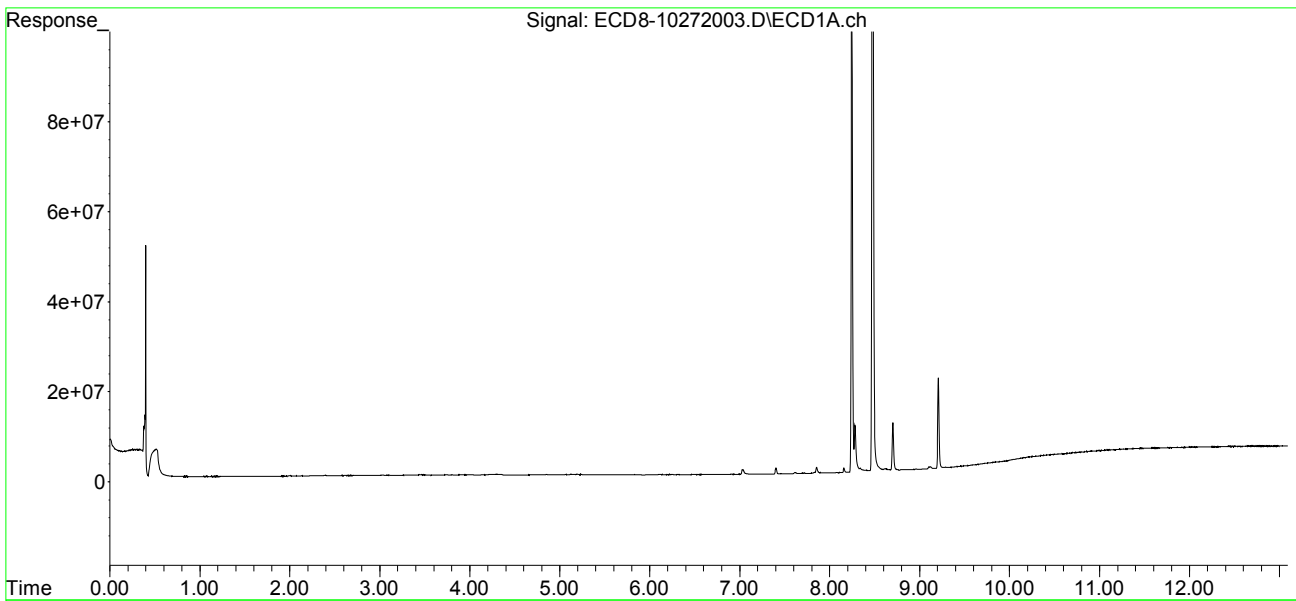
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 11:56
Operator : MJB
Sample : 0J27055-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 12:11:52 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_2010015.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 12:13
 Operator : MJB
 Sample : 0J27055-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:03:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Fri Oct 23 15:51:38 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)	5.661	5.964	164.2E6	195.8E6	46.431	48.948
22) S DCBP (S)	9.880	10.473	123.7E6	119.6E6	49.369	49.424
Target Compounds						
2) a-BHC	6.212	6.558	227.4E6	280.2E6	48.275	52.386
3) g-BHC	6.498	6.873	186.4E6	236.2E6	46.325	50.782
4) b-BHC	6.581	6.940	68111425	91196841	43.637	46.609
5) Heptachlor	6.897	7.246	193.0E6	227.7E6	47.563	49.751
6) d-BHC	6.735	7.189	156.6E6	210.3E6	47.053	47.815
7) Aldrin	7.139	7.509	191.5E6	218.6E6	48.745	51.198
8) Heptachlo...	7.608	7.944	173.1E6	204.8E6	47.359	50.993
9) trans-Chl...	7.701	8.083	176.2E6	198.2E6	47.852	49.803
10) cis-Chlor...	7.798	8.190	172.0E6	197.0E6	47.471	50.778
11) Endosulfa...	7.902	8.240	164.7E6	179.1E6	48.422	49.813
12) 4,4'-DDE	7.852	8.293	160.8E6	195.6E6	51.041	51.992
13) Dieldrin	8.075	8.438	183.8E6	204.1E6	48.934	49.752
14) Endrin	8.245	8.661	135.3E6	147.5E6	49.345	51.192
15) 4,4'-DDD	8.281	8.706	139.9E6	166.4E6	51.428	52.534
16) Endosulfa...	8.407	8.807	141.9E6	162.0E6	48.192	49.769
17) 4,4'-DDT	8.476	8.930	130.9E6	148.7E6	48.071	48.607
18) Endrin Al...	8.701	9.042	129.0E6	149.2E6	45.156	48.990
19) Endosulfa...	9.007	9.236	138.0E6	161.9E6	46.175	48.725
20) Methoxychlor	8.809	9.396	66359420	77550724	48.206	50.497
21) Endrin Ke...	9.209	9.626	177.4E6	194.8E6	47.969	49.866
23) Hexachlor...	0.000	3.690	0	43902	N.D.	BelowCal
24) Hexachlor...	6.049	6.429	326691	12619	0.098	0.003 #
25) Oxychlorane	7.542	7.860f	785972	75711	0.243	0.022 #
26) 2,4'-DDE	7.608	8.083	173.1E6	198.2E6	81.406	81.687
27) trans-Non...	7.798	8.148	172.0E6	645541	47.589	0.164 #
28) 2,4'-DDD	8.023f	8.438	319087	204.1E6	0.166	91.720 #
29) 2,4'-DDT	8.157	8.661	566012	147.5E6	0.264	63.295 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 12:13
 Operator : MJB
 Sample : 0J27055-CCV1
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:03:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Fri Oct 23 15:51:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation

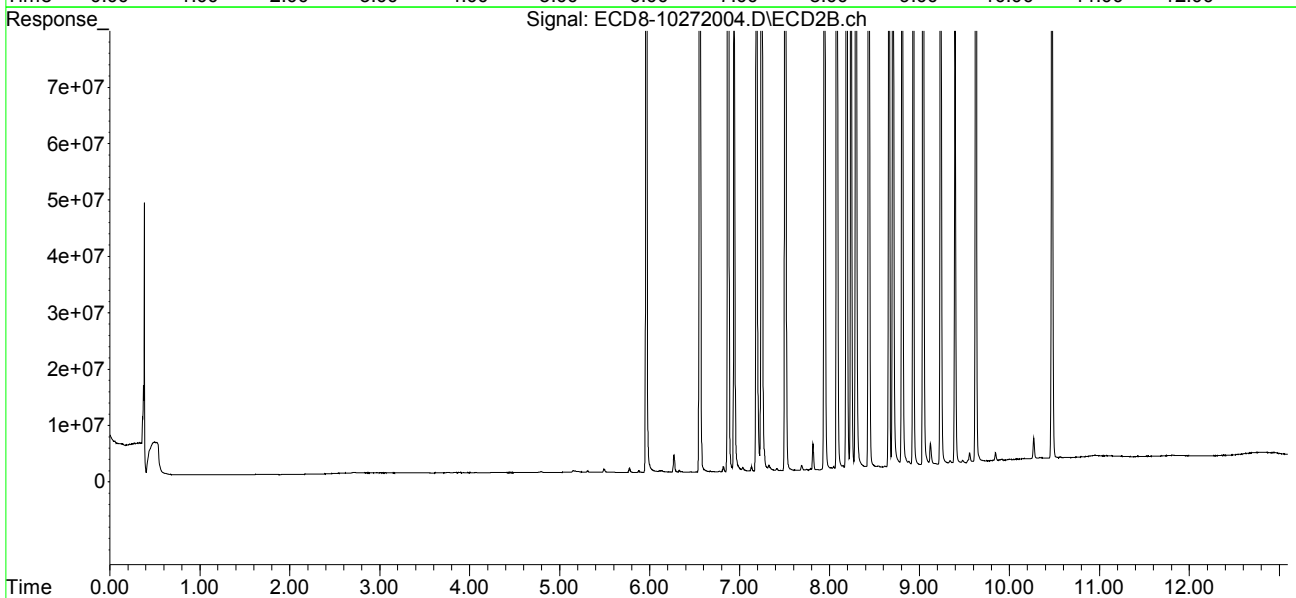
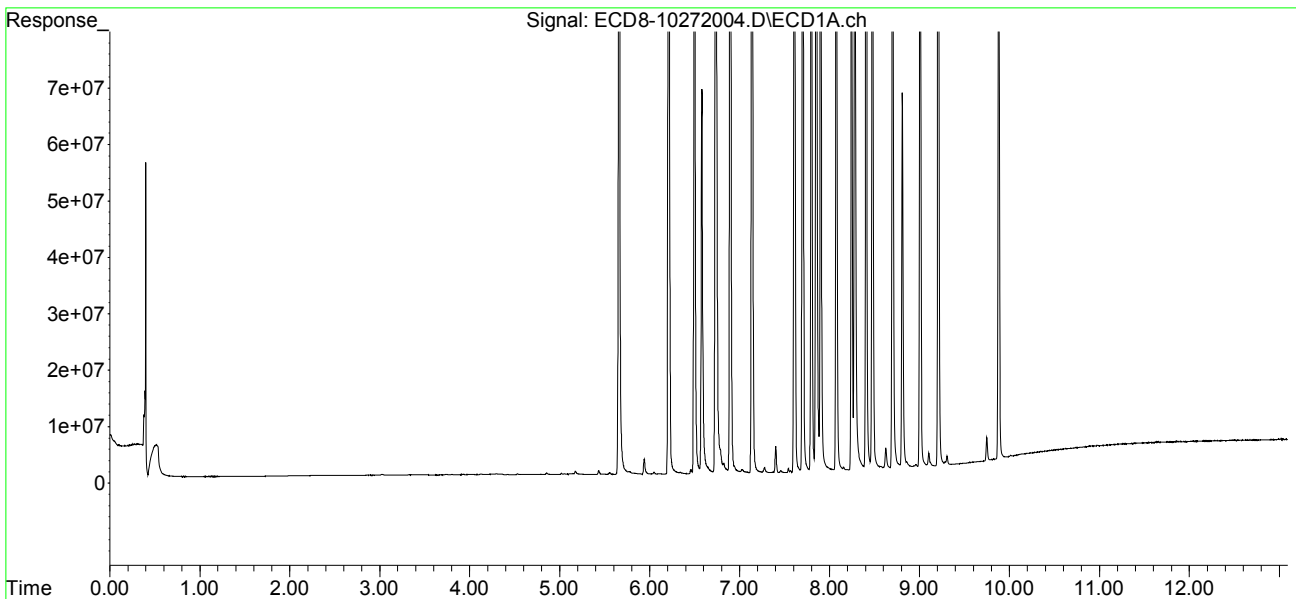
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.281	8.706	139.9E6	166.4E6	35.467	38.908
31)	Mirex	8.941	9.626	199655	194.8E6	BelowCal	77.934
32)	Chlordane...	7.701f	8.083f	176.2E6	198.2E6	427.778	406.914
33)	Chlordane...	7.798f	8.240f	172.0E6	179.1E6	410.227	432.721
34)	Chlordane...	8.407f	8.882	141.9E6	990598	1100.732	7.324 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.798	8.438	172.0E6	204.1E6	11558.323	5369.695 #
37)	Toxaphene...	8.075f	8.807	183.8E6	162.0E6	5581.180	3437.235 #
38)	Toxaphene...	8.407	8.807	141.9E6	162.0E6	2047.597	2303.998
39)	Toxaphene...	8.626f	8.882	3522423	990598	47.331	8.315 #
40)	Toxaphene...	8.858f	9.042f	908551	149.2E6	15.305	2165.378 #
41)	Toxaphene...	8.961	9.480f	407864	822407	6.058	10.983 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 12:13
Operator : MJB
Sample : 0J27055-CCV1
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 16:03:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Fri Oct 23 15:51:38 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 12:29
 Operator : MJB
 Sample : 0J27055-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:05:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.631f	5.957	1316325	92822	0.372	0.023 #
22) S DCBP (S)	9.903	10.503	565055	584721	BelowCal	0.242
Target Compounds						
2) a-BHC	6.240	6.554	343317	354164	0.073	0.066
3) g-BHC	6.533f	6.872	91632	72786	0.023	0.016 #
4) b-BHC	6.591	6.946	89059	105999	0.057	0.054
5) Heptachlor	6.895	7.245	412126	457528	0.102	0.100
6) d-BHC	6.737	7.192	76115	91165	0.083	0.090
7) Aldrin	7.137	7.510	38158	28960	0.010	0.007 #
8) Heptachlo...	7.599	7.980f	99194693	472959	27.132	0.118 #
9) trans-Chl...	7.681f	8.070f	809431	121.4E6	0.220	30.492 #
10) cis-Chlor...	7.784f	0.000	165.5E6	0	45.699	N.D. #
11) Endosulfa...	7.889f	8.254	372336	253201	0.109	0.070 #
12) 4,4'-DDE	7.889f	8.298	372336	267024	0.118	0.126
13) Dieldrin	8.050f	8.441	1317014	108.0E6	0.351	27.179 #
14) Endrin	8.262	8.662	180.3E6	115.9E6	65.738	41.080 #
15) 4,4'-DDD	8.262f	8.707	180.3E6	203.2E6	66.286	62.915
16) Endosulfa...	8.412	8.806	175476	249124	0.060	0.077 #
17) 4,4'-DDT	8.476	8.918	107484	222431	0.075	0.146 #
18) Endrin Al...	8.702	9.049	95459	205896	BelowCal	BelowCal
19) Endosulfa...	9.040f	9.235	563194	59034	0.188	0.018 #
20) Methoxychlor	8.806	9.422	26657	94763	0.019	0.016
21) Endrin Ke...	9.216	9.615f	50756	123.3E6	0.014	31.560 #
23) Hexachlor...	3.451	3.677	174.3E6	208.9E6	53.649	53.038
24) Hexachlor...	6.048	6.427	140.3E6	179.2E6	41.935	45.024
25) Oxychlorane	7.530	7.875	147.8E6	168.2E6	45.776	47.788
26) 2,4'-DDE	7.599	8.070	99194693	121.4E6	46.638	50.013
27) trans-Non...	7.784	8.149	165.5E6	186.0E6	45.812	47.180
28) 2,4'-DDD	7.978	8.441	89930604	108.0E6	46.805	50.787
29) 2,4'-DDT	8.157	8.662	100.7E6	115.9E6	46.914	50.899

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 12:29
 Operator : MJB
 Sample : 0J27055-CCV2
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:05:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

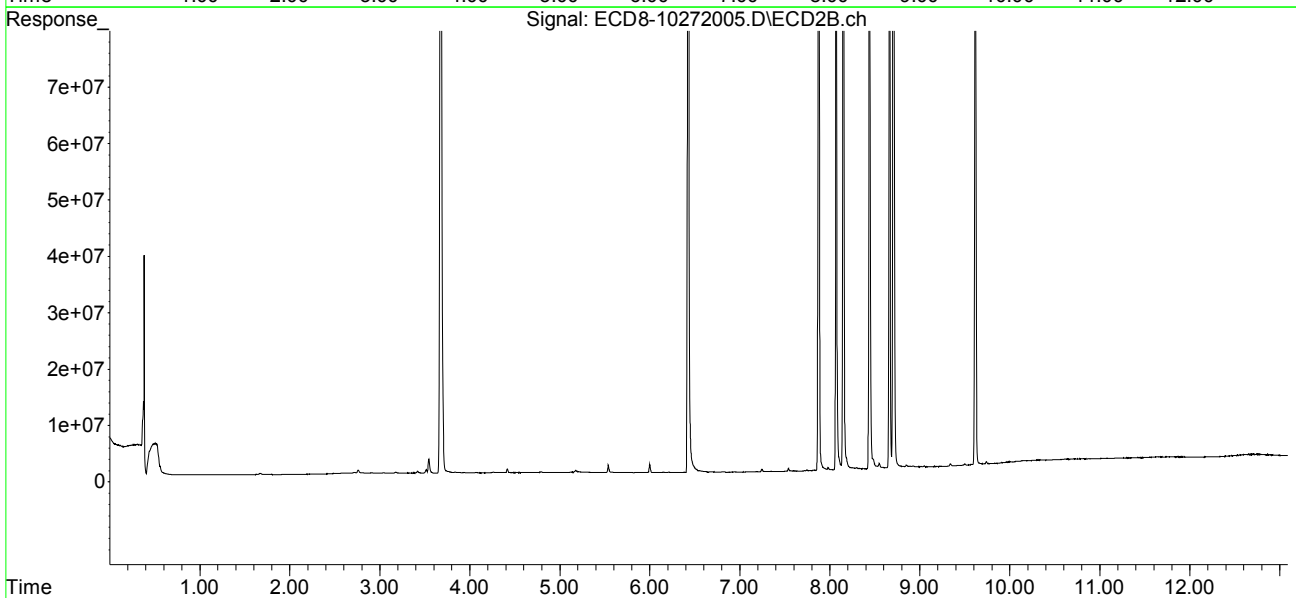
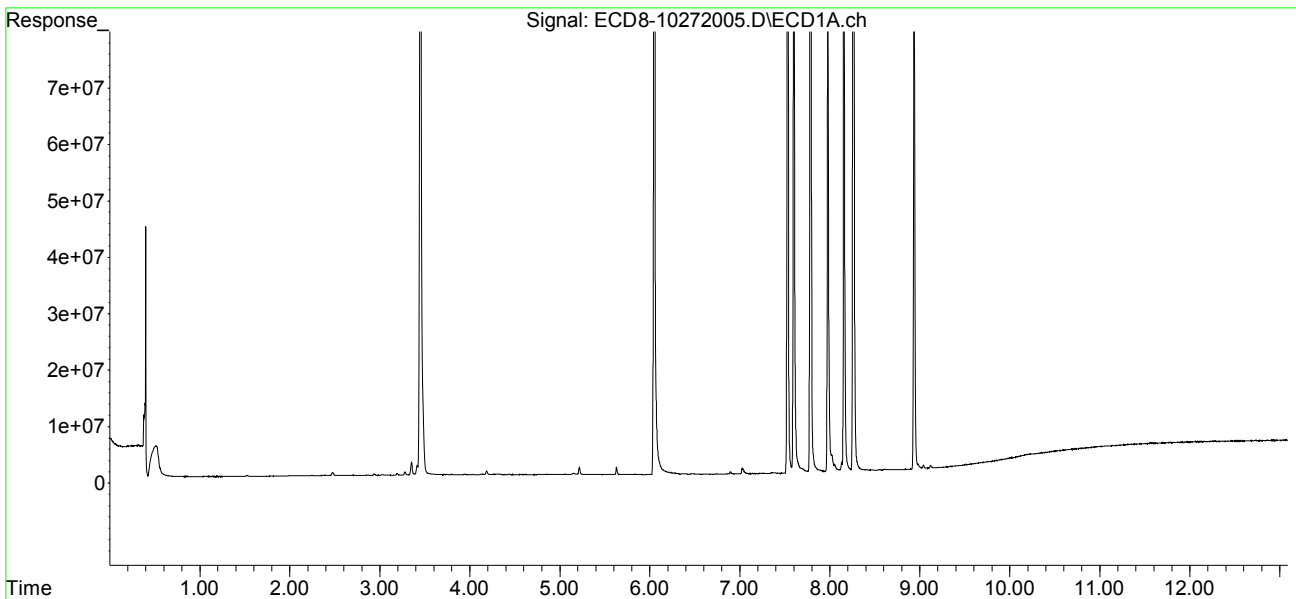
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.262	8.707	180.3E6	203.2E6	45.714	47.504
31)	Mirex	8.936	9.615	117.2E6	123.3E6	49.732	50.139
32)	Chlordane...	0.000	8.070f	0	121.4E6	N.D.	249.133 #
33)	Chlordane...	7.784f	8.254f	165.5E6	253201	394.914	0.612 #
34)	Chlordane...	8.412f	8.851	175476	439832	1.361	3.252 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.784	8.441	165.5E6	108.0E6	11126.881	2841.415 #
37)	Toxaphene...	8.130f	8.806	1611008	249124	48.909	5.284 #
38)	Toxaphene...	8.412	8.806	175476	249124	2.531	3.542 #
39)	Toxaphene...	8.654	8.892	106635	227917	1.433	1.913 #
40)	Toxaphene...	8.897	9.080	13770	29069	0.232	0.422 #
41)	Toxaphene...	8.936f	9.450	117.2E6	102038	1741.508	1.363 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 12:29
Operator : MJB
Sample : 0J27055-CCV2
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 16:05:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 12:46
 Operator : MJB
 Sample : 0J27055-CCB1
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:06:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.661	5.964	299.9E6	374.0E6	84.797	93.480
22) S DCBP (S)	9.881	10.474	228.7E6	225.8E6	91.048	93.344
Target Compounds						
2) a-BHC	6.192f	6.534f	53465	57669	0.011	0.011
3) g-BHC	6.505	6.898	21673	8926	0.005	0.002 #
4) b-BHC	6.623f	6.946	18884	12111	0.012	0.006 #
5) Heptachlor	6.882f	7.252	9159	8523	0.002	0.002
6) d-BHC	6.750	7.195	17286	30927	0.064	0.075
7) Aldrin	7.135	7.544f	20727	253740	0.005	0.059 #
8) Heptachlo...	7.631	7.939	41023	25173	0.011	0.006 #
9) trans-Chl...	7.693	8.110	125417	221203	0.034	0.056 #
10) cis-Chlor...	7.797	8.189	5874	33740	0.002	0.009 #
11) Endosulfa...	7.908	0.000	32008	0	0.009	N.D. #
12) 4,4'-DDE	7.841	8.293	129413	16210	0.041	0.052 #
13) Dieldrin	8.085	0.000	9253	0	0.002	N.D. #
14) Endrin	8.281f	8.672	38715	52440	0.014	0.047 #
15) 4,4'-DDD	8.281	8.715	38715	66827	0.014	0.025 #
16) Endosulfa...	8.441f	8.826	413397	73313	0.140	0.023 #
17) 4,4'-DDT	8.446f	8.948	409685	134405	0.196	0.113 #
18) Endrin Al...	8.706	9.018f	67163	360974	BelowCal	BelowCal
19) Endosulfa...	9.015	9.238	29383	96412	0.010	0.029 #
20) Methoxychlor	8.827	9.396	34572	98577	0.025	0.019
21) Endrin Ke...	9.219	9.633	20024	211546	0.005	0.054 #
23) Hexachlor...	0.000	3.694	0	44702	N.D.	BelowCal
24) Hexachlor...	6.048	6.426	584152	80078	0.175	0.020 #
25) Oxychlorane	7.546	0.000	8074	0	0.003	N.D. #
26) 2,4'-DDE	7.599	8.110f	7183	221203	0.003	0.091 #
27) trans-Non...	7.797	8.189f	5874	33740	0.002	0.009 #
28) 2,4'-DDD	7.982	0.000	11873	0	0.006	N.D. #
29) 2,4'-DDT	8.154	8.672	16226	52440	0.008	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 12:46
 Operator : MJB
 Sample : 0J27055-CCB1
 Misc : A2J148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:06:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

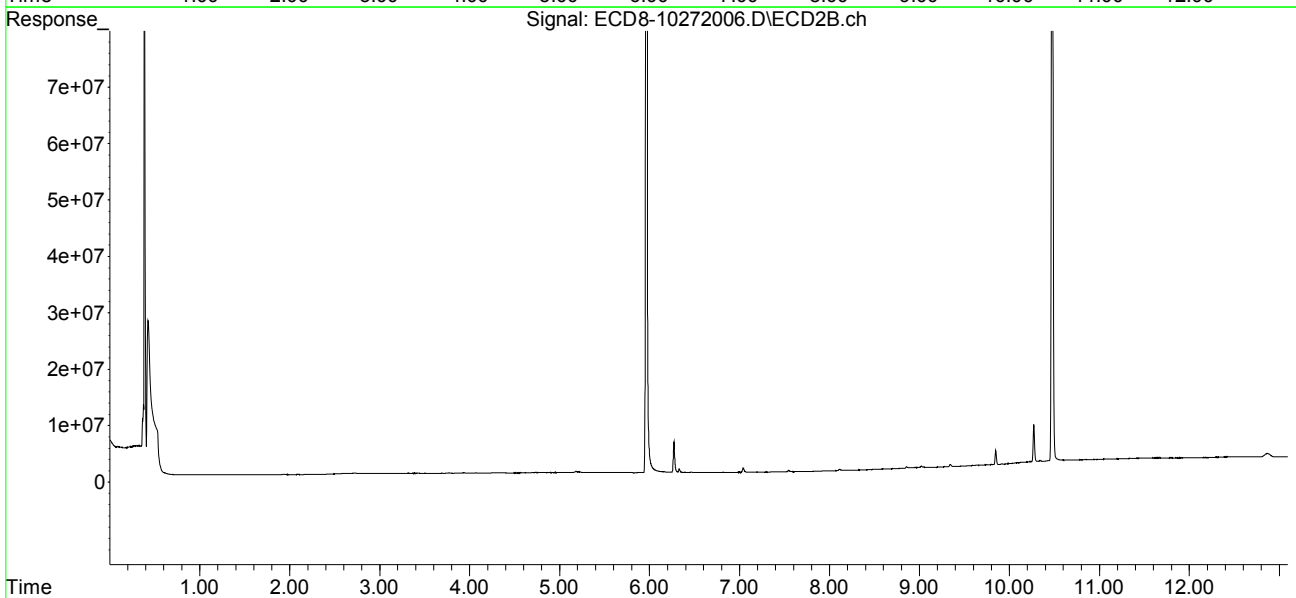
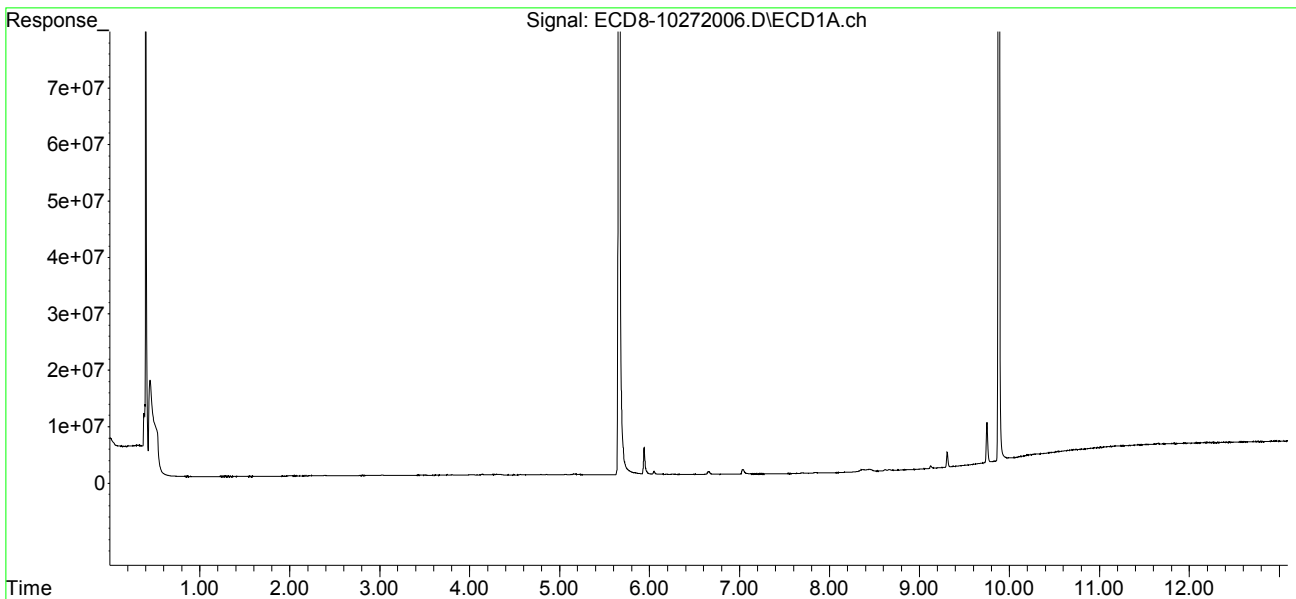
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.281	8.715	38715	66827	0.010	0.016 #
31)	Mirex	8.946	9.633	15806	211546	BelowCal	BelowCal
32)	Chlordane...	7.741	8.110	12334	221203	0.030	0.454 #
33)	Chlordane...	7.797f	8.189f	5874	33740	0.014	0.081 #
34)	Chlordane...	8.379	8.856	333277	316416	2.584	2.339
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.797	0.000	5874	0	0.395	N.D. #
37)	Toxaphene...	8.099	8.786	5307	59681	0.161	1.266 #
38)	Toxaphene...	8.441f	8.826	413397	73313	5.963	1.042 #
39)	Toxaphene...	8.658	8.856f	219963	316416	2.956	2.656
40)	Toxaphene...	8.863f	0.000	7117	0	0.120	N.D. #
41)	Toxaphene...	8.965	0.000	14278	0	0.212	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 12:46
Operator : MJB
Sample : 0J27055-CCB1
Misc : A2J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 16:06:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 15:48
 Operator : MJB
 Sample : 0J27055-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:42:02 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.660	5.963	346.5E6	424.1E6	97.973	105.990
22) S DCBP (S)	9.878	10.472	262.5E6	259.3E6	104.397	107.193
Target Compounds						
2) a-BHC	6.211	6.558	485.5E6	599.7E6	103.047	112.110
3) g-BHC	6.497	6.872	429.3E6	527.5E6	106.682	113.438
4) b-BHC	6.576	6.938	158.0E6	204.3E6	101.222	104.401
5) Heptachlor	6.894	7.244	426.3E6	512.0E6	105.037	111.872
6) d-BHC	6.729	7.186	348.9E6	486.3E6	96.660	100.970
7) Aldrin	7.136	7.507	423.2E6	490.3E6	107.751	114.849
8) Heptachlo...	7.606	7.942	381.5E6	432.5E6	104.349	107.699
9) trans-Chl...	7.699	8.082	382.3E6	444.1E6	103.804	111.580
10) cis-Chlor...	7.796	8.189	371.0E6	437.2E6	102.415	112.696
11) Endosulfa...	7.900	8.238	345.9E6	403.0E6	101.707	112.062
12) 4,4'-DDE	7.849	8.291	356.3E6	437.5E6	113.077	105.286
13) Dieldrin	8.074	8.436	397.8E6	463.0E6	105.881	104.898
14) Endrin	8.244	8.659	311.6E6	363.7E6	113.642	112.291
15) 4,4'-DDD	8.277	8.704	315.8E6	380.3E6	116.104	108.605
16) Endosulfa...	8.405	8.806	308.1E6	348.2E6	104.610	106.955
17) 4,4'-DDT	8.474	8.929	306.1E6	361.5E6	102.478	103.877
18) Endrin Al...	8.700	9.041	281.7E6	323.4E6	98.938	102.197
19) Endosulfa...	9.005	9.235	306.6E6	359.2E6	102.574	108.119
20) Methoxychlor	8.805	9.394	158.3E6	190.0E6	115.025	111.932
21) Endrin Ke...	9.207	9.625	375.4E6	455.8E6	101.515	116.679
23) Hexachlor...	3.466	3.691	8562	53886	BelowCal	BelowCal
24) Hexachlor...	6.048	6.430	708167	188045	0.212	0.047 #
25) Oxychlorane	7.540	7.863f	1553501	352893	0.481	0.100 #
26) 2,4'-DDE	7.606	8.082	381.5E6	444.1E6	179.368	183.015
27) trans-Non...	7.796	8.146	371.0E6	1269905	102.669	0.322 #
28) 2,4'-DDD	0.000	8.436	0	463.0E6	N.D.	188.030 #
29) 2,4'-DDT	8.155	8.659	1097165	363.7E6	0.511	137.250 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 15:48
 Operator : MJB
 Sample : 0J27055-CCV3
 Misc : A20H476, AB 100 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:42:02 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

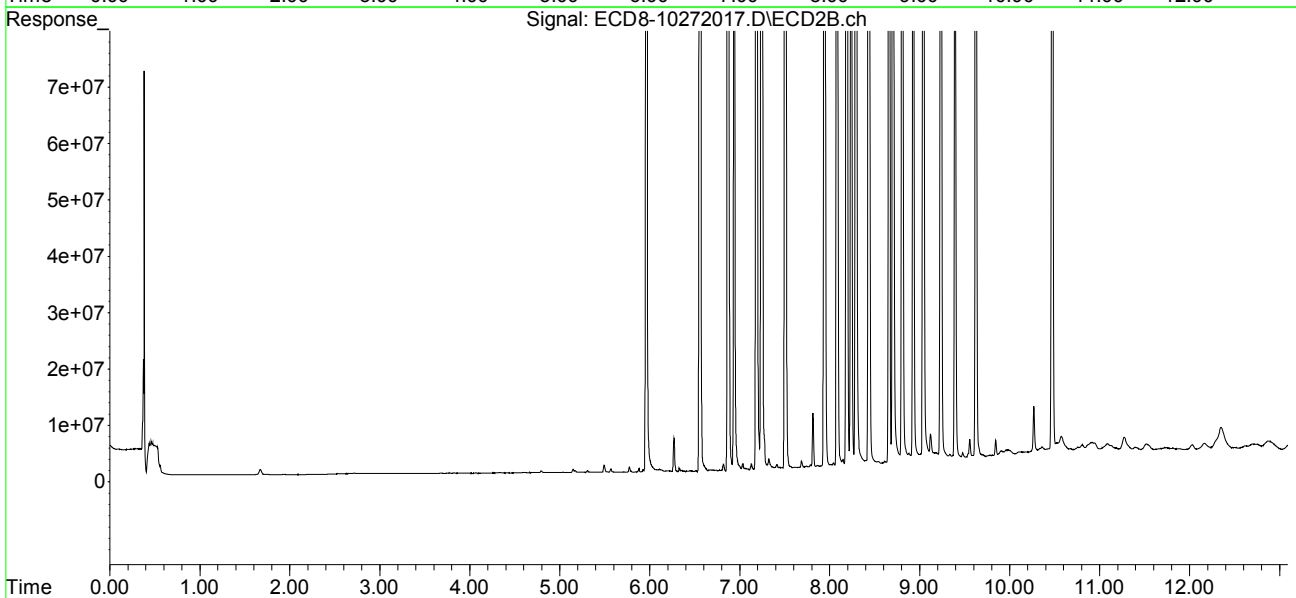
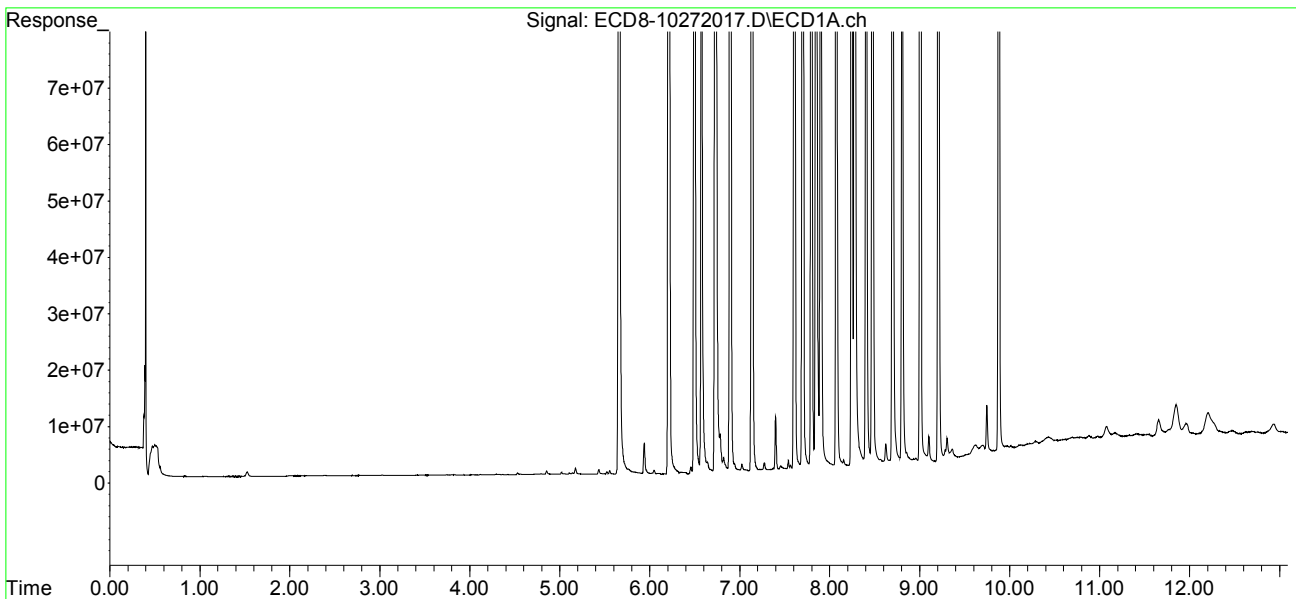
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.277	8.704	315.8E6	380.3E6	80.070	88.893
31)	Mirex	8.958	9.625	724221	455.8E6	0.001	171.937 #
32)	Chlordane...	7.699f	8.082f	382.3E6	444.1E6	927.967	911.669
33)	Chlordane...	7.796f	8.238f	371.0E6	403.0E6	885.037	973.471
34)	Chlordane...	8.405f	8.879	308.1E6	1873094	2389.356	13.849 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.796	8.436	371.0E6	463.0E6	24936.328	12183.406 #
37)	Toxaphene...	8.074f	8.806	397.8E6	348.2E6	12076.270	7386.779 #
38)	Toxaphene...	8.405	8.806	308.1E6	348.2E6	4444.716	4951.400
39)	Toxaphene...	8.623f	8.879	3517922	1873094	47.271	15.723 #
40)	Toxaphene...	8.855f	9.041f	1850645	323.4E6	31.175	4694.254 #
41)	Toxaphene...	8.958	9.478f	724221	1630767	10.757	21.778 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 15:48
Operator : MJB
Sample : 0J27055-CCV3
Misc : A20H476, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 16:42:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:05
 Operator : MJB
 Sample : 0J27055-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:43:01 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.630f	5.999f	2455733	2612214	0.694	0.653
22) S DCBP (S)	9.923f	0.000	1217883	0	0.230	N.D. #
Target Compounds						
2) a-BHC	6.243f	0.000	452667	0	0.096	N.D. #
3) g-BHC	6.484f	6.874	139484	55428	0.035	0.012 #
4) b-BHC	6.590	6.944	75897	100755	0.049	0.051
5) Heptachlor	6.896	7.245	694477	768410	0.171	0.168
6) d-BHC	6.741	7.189	60295	76746	0.078	0.086
7) Aldrin	7.140	7.501	25185	41341	0.006	0.010 #
8) Heptachlo...	7.598	7.979f	202.1E6	1024607	55.268	0.255 #
9) trans-Chl...	7.697	8.069f	1375609	249.4E6	0.374	62.667 #
10) cis-Chlor...	7.783f	0.000	344.9E6	0	95.210	N.D. #
11) Endosulfa...	0.000	8.254	0	577035	N.D.	0.160 #
12) 4,4'-DDE	0.000	8.296	0	440480	N.D.	0.178 #
13) Dieldrin	8.049f	8.440	2650914	226.4E6	0.706	54.801 #
14) Endrin	8.262	8.662	373.5E6	243.2E6	136.201	79.764 #
15) 4,4'-DDD	8.262f	8.706	373.5E6	432.2E6	137.337	120.910
16) Endosulfa...	8.411	8.806	425861	668033	0.145	0.205 #
17) 4,4'-DDT	8.476	8.918f	257814	797483	0.135	0.359 #
18) Endrin Al...	8.702	9.049	108345	1225829	BelowCal	0.148
19) Endosulfa...	9.040f	9.235	1018092	569144	0.341	0.171 #
20) Methoxychlor	8.783f	9.408	69753	433305	0.051	0.258 #
21) Endrin Ke...	9.212	9.614f	173083	258.1E6	0.047	66.083 #
23) Hexachlor...	3.451	3.676	350.9E6	437.9E6	104.627	104.093
24) Hexachlor...	6.047	6.427	289.7E6	378.7E6	86.600	95.158
25) Oxychlorane	7.529	7.873	304.5E6	354.0E6	94.277	100.566
26) 2,4'-DDE	7.598	8.069	202.1E6	249.4E6	95.001	102.788
27) trans-Non...	7.783	8.148	344.9E6	399.4E6	95.446	101.302
28) 2,4'-DDD	7.977	8.440	186.7E6	226.4E6	97.193	100.734
29) 2,4'-DDT	8.157	8.662	200.6E6	243.2E6	93.484	98.053

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:05
 Operator : MJB
 Sample : 0J27055-CCV4
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:43:01 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

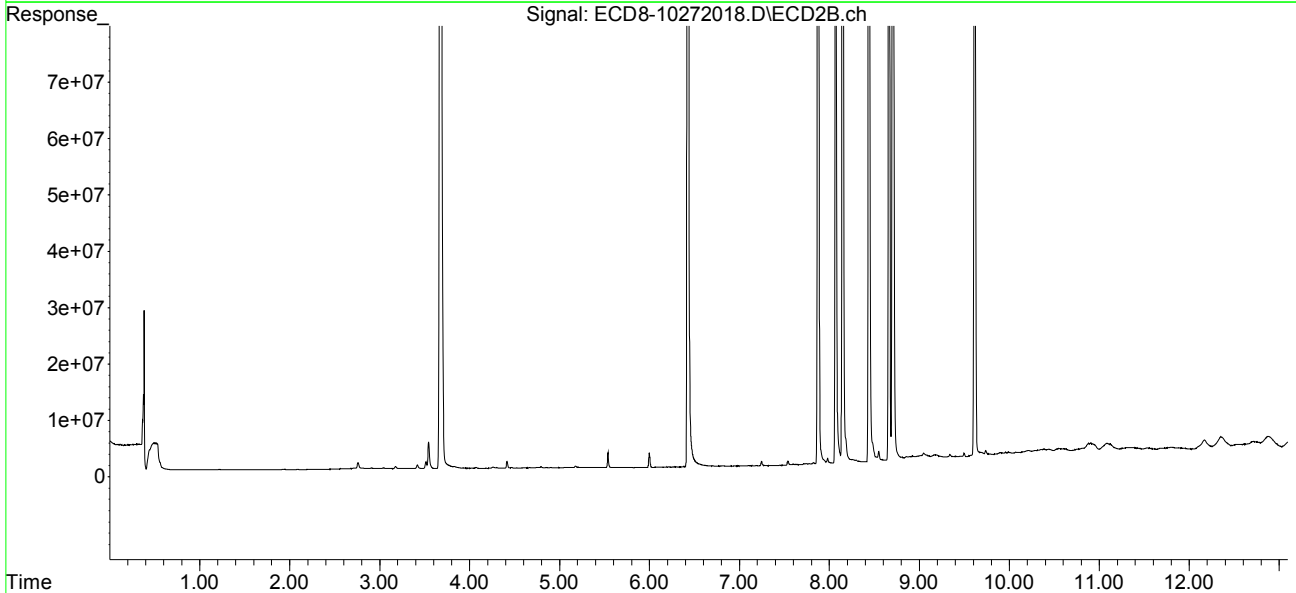
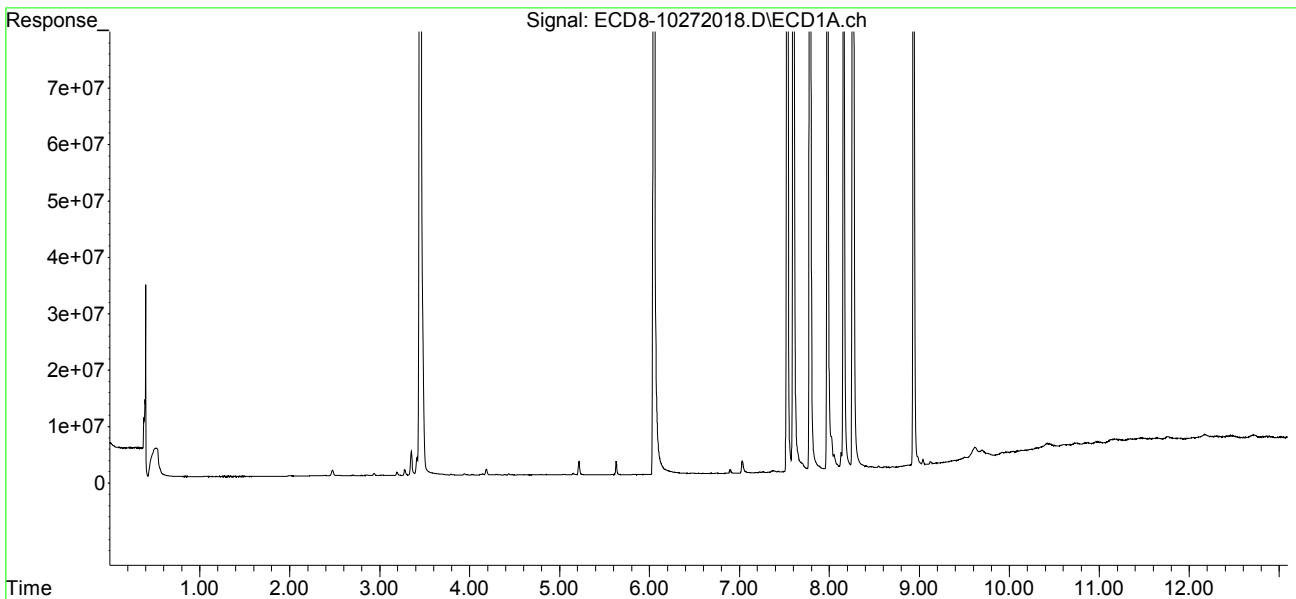
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.262	8.706	373.5E6	432.2E6	94.713	101.030
31)	Mirex	8.936	9.614	235.6E6	258.1E6	99.872	101.757
32)	Chlordane...	7.697f	8.148f	1375609	399.4E6	3.339	819.931 #
33)	Chlordane...	7.783f	8.254f	344.9E6	577035	822.773	1.394 #
34)	Chlordane...	8.411f	8.878	425861	672281	3.302	4.971 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.783	8.440	344.9E6	226.4E6	23182.019	5955.958 #
37)	Toxaphene...	8.129f	8.806	3046788	668033	92.499	14.170 #
38)	Toxaphene...	8.411	8.806	425861	668033	6.143	9.498 #
39)	Toxaphene...	8.656	8.890	54854	737058	0.737	6.187 #
40)	Toxaphene...	8.897	9.049f	180385	1225829	3.039	17.794 #
41)	Toxaphene...	8.936f	9.452	235.6E6	437228	3498.782	5.839 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:05
Operator : MJB
Sample : 0J27055-CCV4
Misc : A20I186, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 16:43:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:21
 Operator : MJB
 Sample : 0J27055-CCB2
 Misc : A20J148
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:43:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.660	5.963	298.2E6	367.9E6	84.316	91.959
22) S DCBP (S)	9.880	10.473	237.5E6	231.6E6	94.523	95.746
Target Compounds						
2) a-BHC	6.189f	6.596f	56283	27291	0.012	0.005 #
3) g-BHC	6.482f	6.892	80117	9112	0.020	0.002 #
4) b-BHC	6.548f	6.949	10052	21153	0.006	0.011 #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.746	7.194	19269	36757	0.064	0.076
7) Aldrin	7.166	7.505	22063	14189	0.006	0.003 #
8) Heptachlo...	0.000	7.956	0	29408	N.D.	0.007 #
9) trans-Chl...	7.691	8.108	122015	199440	0.033	0.050 #
10) cis-Chlor...	7.840f	8.195	84692	18585	0.023	0.005 #
11) Endosulfa...	0.000	8.254	0	9333	N.D.	0.003 #
12) 4,4'-DDE	7.840	8.302	84692	12584	0.027	0.051 #
13) Dieldrin	8.107f	8.445	46235	14464	0.012	0.020 #
14) Endrin	0.000	8.704f	0	273412	N.D.	0.132 #
15) 4,4'-DDD	0.000	8.704	0	273412	N.D.	0.097 #
16) Endosulfa...	8.449f	8.855f	831048	636840	0.282	0.196 #
17) 4,4'-DDT	8.449f	0.000	831048	0	0.365	N.D. #
18) Endrin Al...	8.705	9.043	55611	923928	BelowCal	0.044
19) Endosulfa...	8.991f	0.000	76833	0	0.026	N.D. #
20) Methoxychlor	0.000	9.396	0	276755	N.D.	0.146 #
21) Endrin Ke...	0.000	9.629	0	439205	N.D.	0.112 #
23) Hexachlor...	3.480	3.692	6875	52884	BelowCal	BelowCal
24) Hexachlor...	6.048	6.426	584807	85852	0.175	0.022 #
25) Oxychlorane	0.000	7.887	0	36119	N.D.	0.010 #
26) 2,4'-DDE	0.000	8.052f	0	33823	N.D.	0.014 #
27) trans-Non...	0.000	8.180f	0	18683	N.D.	0.005 #
28) 2,4'-DDD	0.000	8.445	0	14464	N.D.	BelowCal
29) 2,4'-DDT	0.000	8.704f	0	273412	N.D.	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:21
 Operator : MJB
 Sample : 0J27055-CCB2
 Misc : A20J148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 16:43:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

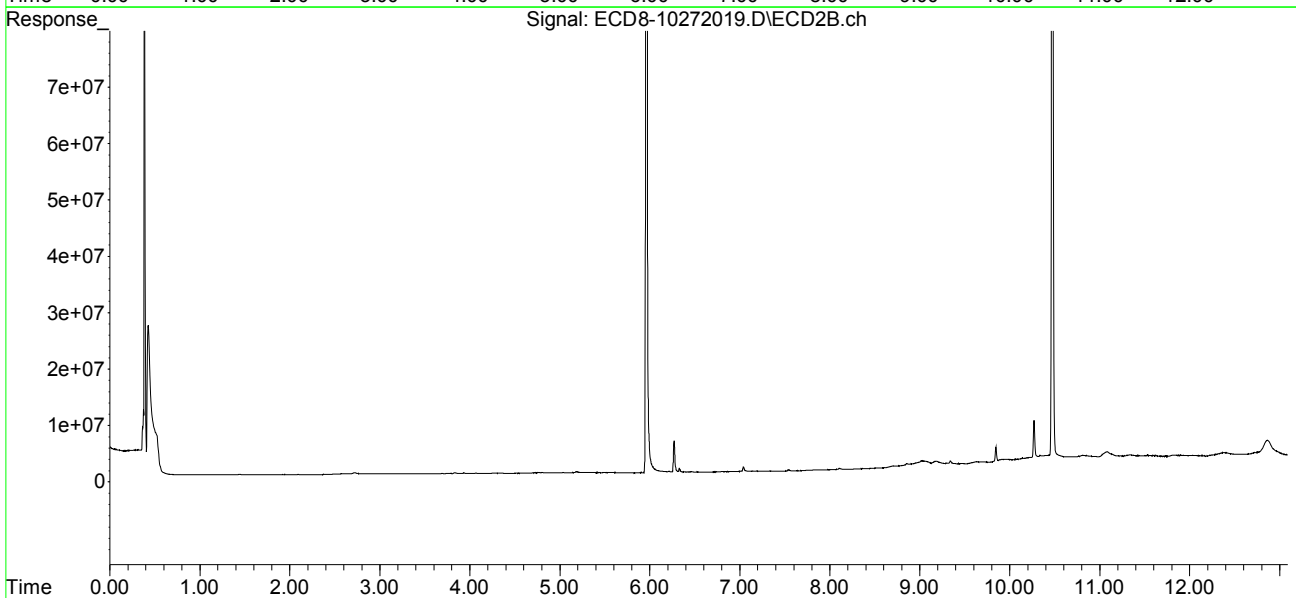
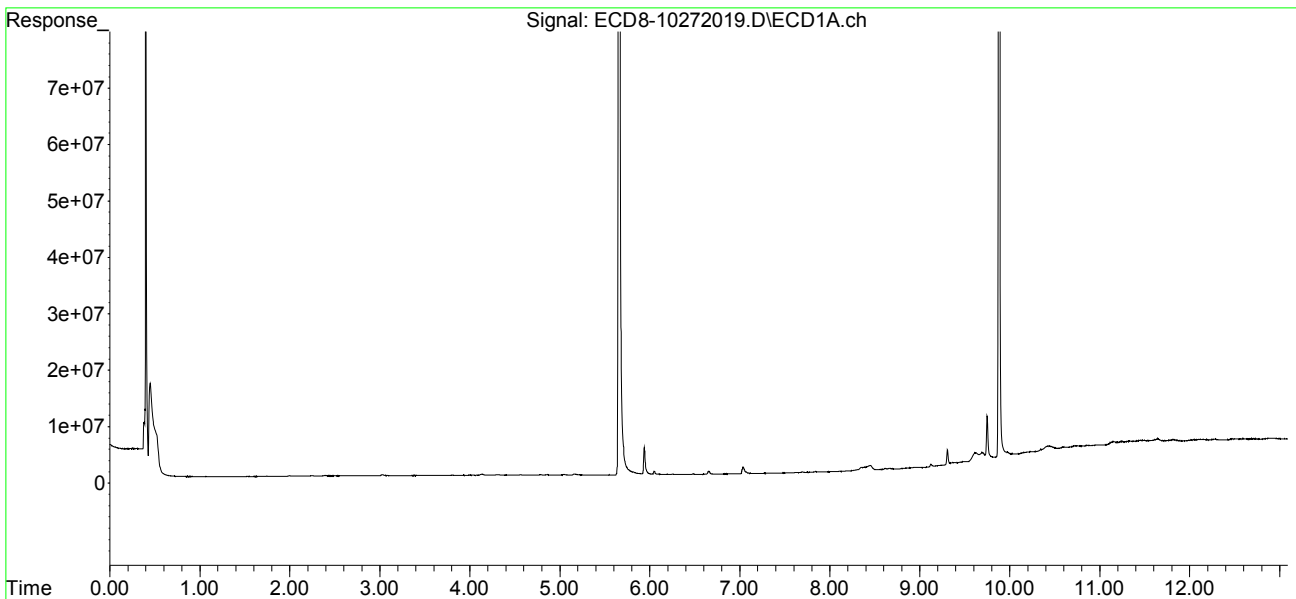
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.725	0	240832	N.D.	0.056 #
31)	Mirex	8.965	9.629	78111	439205	BelowCal	BelowCal
32)	Chlordane...	7.691f	8.108	122015	199440	0.296	0.409 #
33)	Chlordane...	7.840f	8.212	84692	9047	0.202	0.022 #
34)	Chlordane...	8.355f	8.855	587888	636840	4.559	4.709
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.840f	8.445	84692	14464	5.693	0.381 #
37)	Toxaphene...	8.107	8.775	46235	233047	1.404	4.943 #
38)	Toxaphene...	8.449f	8.855f	831048	636840	11.988	9.055
39)	Toxaphene...	8.659	8.892	198162	501975	2.663	4.214 #
40)	Toxaphene...	0.000	9.059	0	894066	N.D.	12.978 #
41)	Toxaphene...	8.965	9.441	78111	226886	1.160	3.030 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:21
Operator : MJB
Sample : 0J27055-CCB2
Misc : A20J148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 16:43:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:38
 Operator : MJB
 Sample : A0J0472-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:13:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.655	5.962	253.0E6	184.0E6	71.544	S-0245.988 #
22) S DCBP (S)	9.877	10.470	117.2E6	119.6E6	46.773	49.422
Target Compounds						
2) a-BHC	6.215	6.586	2142275	6458265	0.455	1.207 #
3) g-BHC	6.484f	6.900	6253206	9304549	1.554	2.001 #
4) b-BHC	6.568	6.942	17620933	5151070	11.289	2.633 #
5) Heptachlor	6.886	7.254	6893092	11607424	1.698	2.536 #
6) d-BHC	6.743	7.203	3071386	10880968	1.057	2.753 #
7) Aldrin	7.169f	7.543f	2368591	5173141	0.603	1.212 #
8) Heptachlo...	7.604	7.958	22026629	5975735	6.025	1.488 #
9) trans-Chl...	7.713	8.085	2736709	6477166	0.743	1.627 #
10) cis-Chlor...	7.808	8.191	1504546	7074397	0.415	1.823 #
11) Endosulfa...	7.909	8.258	1569913	4616773	0.462	1.284 #
12) 4,4'-DDE	7.843	8.288	4747455	5199720	1.507m	1.579m MDL=MRL
13) Dieldrin	8.064	8.414f	1459804	15200225	0.389	3.970 #
14) Endrin	8.277f	8.674	18542271	4411928	6.761	1.728 #
15) 4,4'-DDD	8.277	8.701	18542271	11306272	6.818	3.928m# R-02
16) Endosulfa...	8.400	8.790f	1223478	4284434	0.415	1.316 #
17) 4,4'-DDT	8.472	8.926	1161720	4984142	0.498	1.904 # P-01
18) Endrin Al...	8.703	9.054	1243731	12636310	0.138	4.054 #
19) Endosulfa...	9.004	9.242	2949915	4990723	0.987	1.502 #
20) Methoxychlor	8.783f	9.386	7277348	6342189	5.287	4.438
21) Endrin Ke...	9.232	9.625	968119	4976913	0.262	1.274 #
23) Hexachlor...	3.451	3.713f	5355421	2602673	1.497	0.526 #
24) Hexachlor...	6.047	6.442	4832748	195.6E6	1.445	49.153 #
25) Oxychlorane	7.536	7.911f	2122359	5659392	0.657	1.608 #
26) 2,4'-DDE	7.604	8.085	22026629	3946446	10.356	1.626m# MDL=MRL
27) trans-Non...	7.782	8.147	2257544	5486590	0.625	1.392 #
28) 2,4'-DDD	7.971	8.431	2821552	5876738	1.469m	2.762m# MDL=MRL P-01
29) 2,4'-DDT	8.174	8.673	1090371	1676841	0.508	0.667m#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:38
 Operator : MJB
 Sample : A0J0472-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:13:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

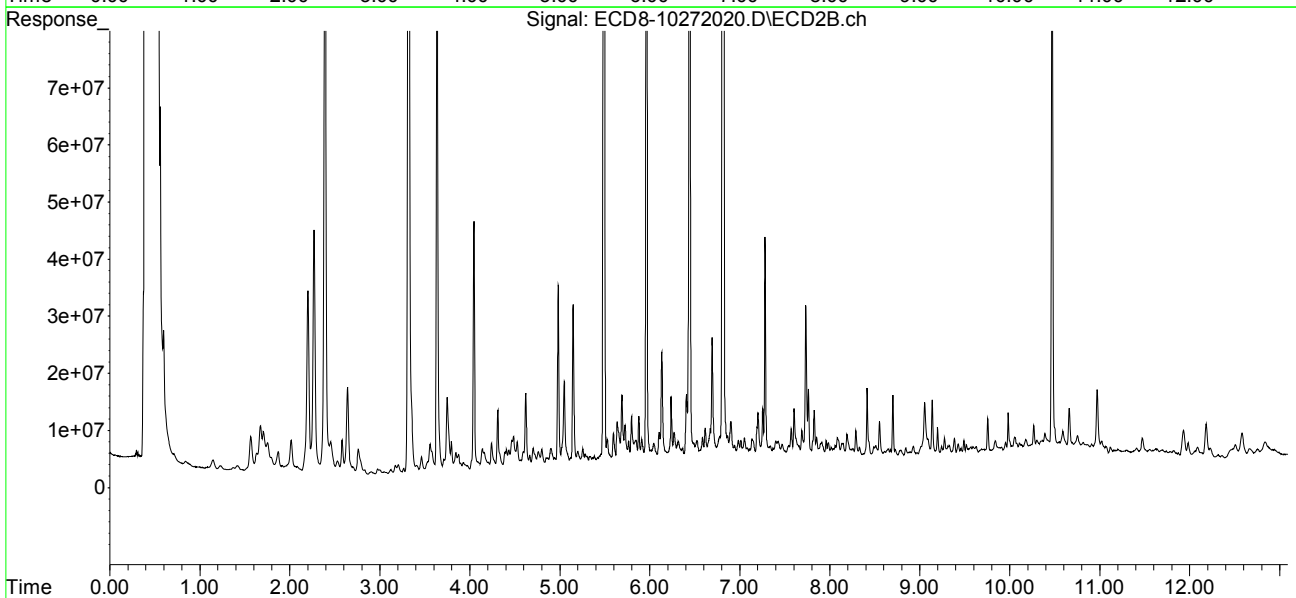
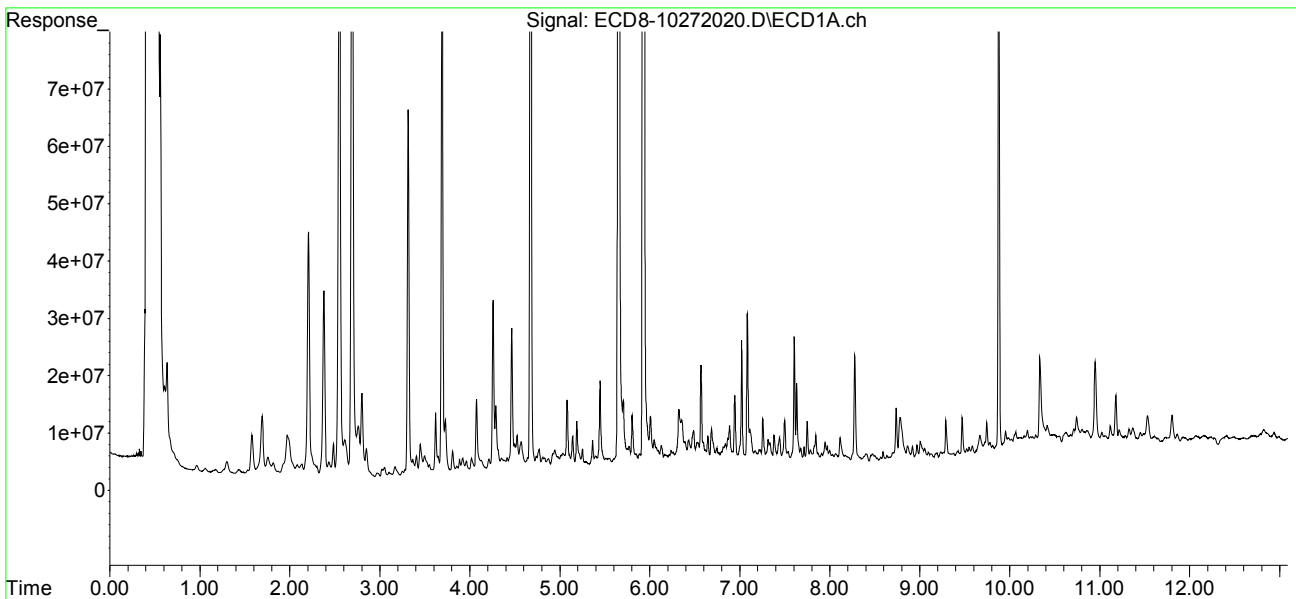
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.277	8.727	18542271	4392669	4.702	1.027 #
31)	Mirex	8.969f	9.625	2391250	4976913	0.715	1.763 #
32)	Chlordane...	7.713	8.133f	2736709	5496548	6.643	11.283 #
33)	Chlordane...	7.808	8.235	1504546	4449227	3.589	10.747 #
34)	Chlordane...	8.400f	8.893f	1223478	4029760	9.488	29.795 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.808	8.414f	1504546	15200225	101.134	399.947 #
37)	Toxaphene...	8.114	8.790	4206417	4284434	127.705	90.879 #
38)	Toxaphene...	8.400	8.843	1223478	4755565	17.649	67.615 #
39)	Toxaphene...	8.660	8.893	455052	4029760	6.115	33.826 #
40)	Toxaphene...	8.917f	9.054	2135243	12636310	35.969	183.426 #
41)	Toxaphene...	8.969	9.457	2391250	4669696	35.518	62.361 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:38
Operator : MJB
Sample : A0J0472-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

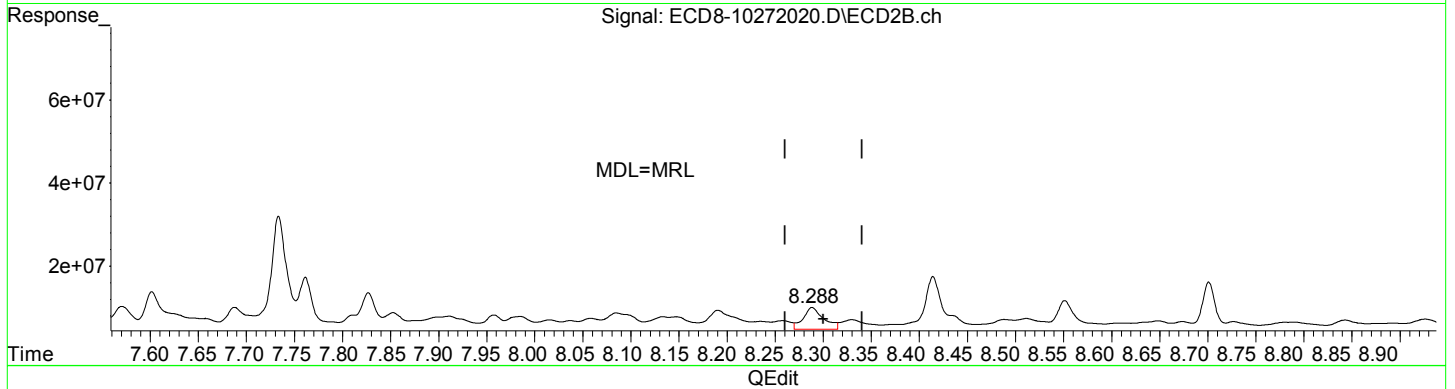
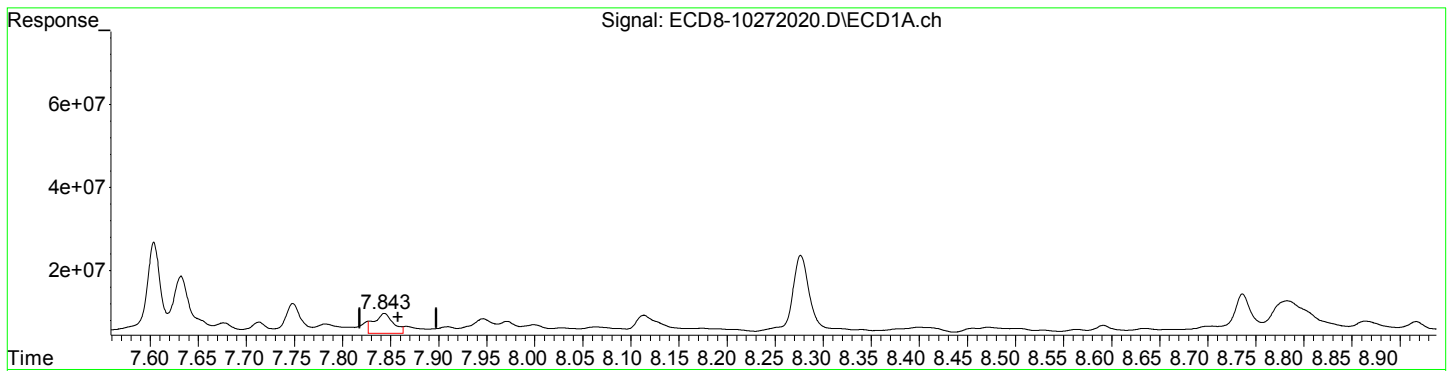
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:13:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:38
Operator : MJB
Sample : A0J0472-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:13:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.843min 1.507 ng/mL m
response 4747455

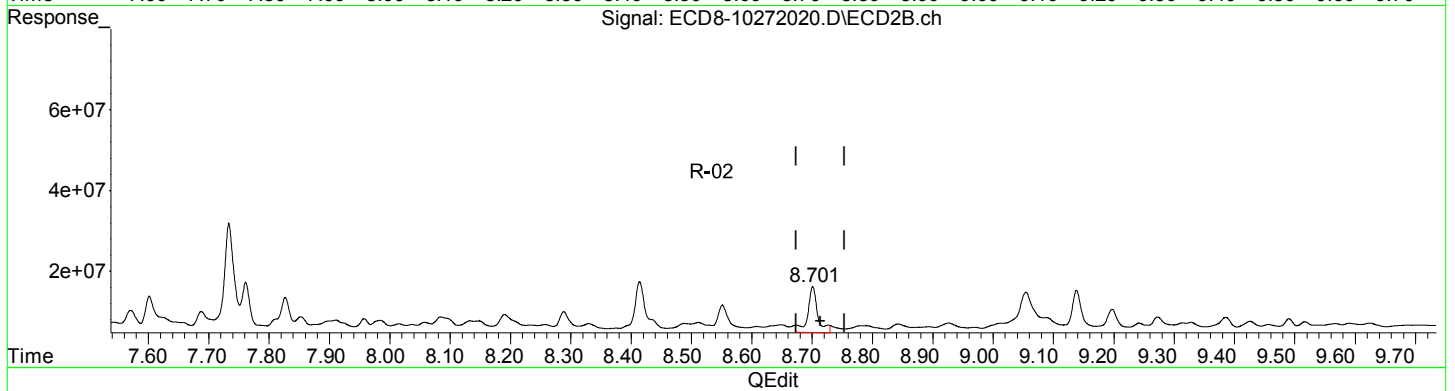
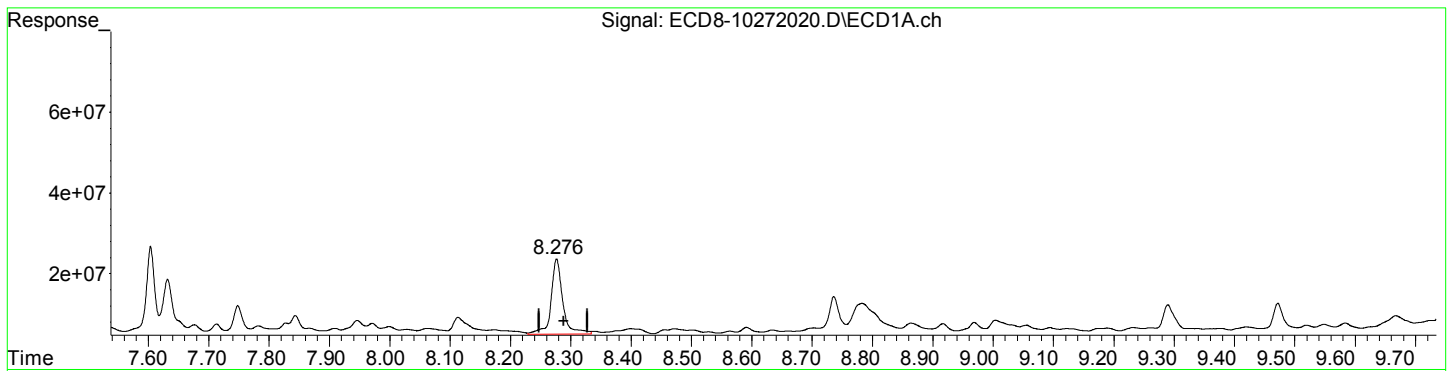
MJB 10/27/20

(12) 4,4'-DDE #2
8.288min 1.579 ng/mL m
response 5199720

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:38
Operator : MJB
Sample : A0J0472-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:13:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
8.277min 6.818 ng/mL
response 18542271

MJB 10/27/20

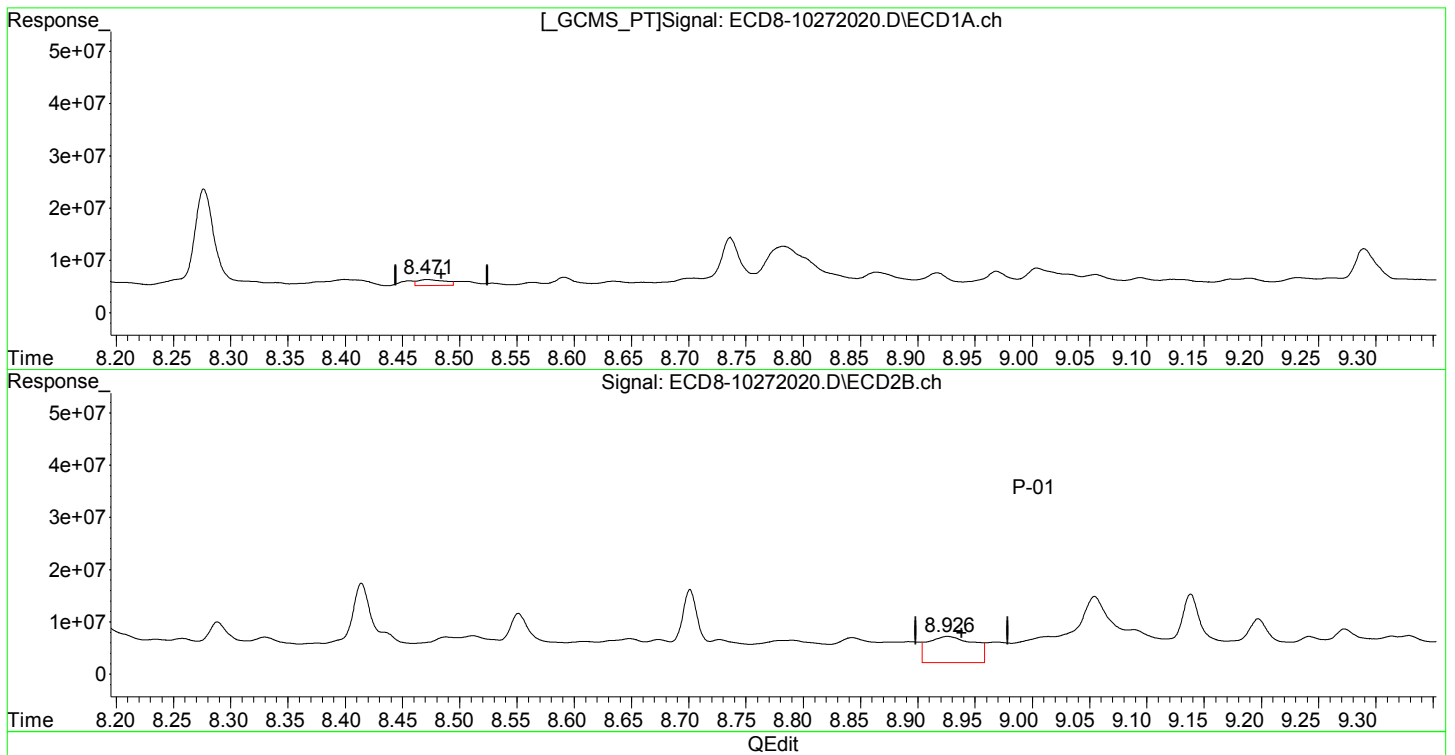
(15) 4,4'-DDD #2
8.701min 3.928 ng/mL m
response 11306272

Report P-11 MKZ 10*29/2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:38
Operator : MJB
Sample : A0J0472-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:13:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
8.472min 0.498 ng/mL
response 1161720

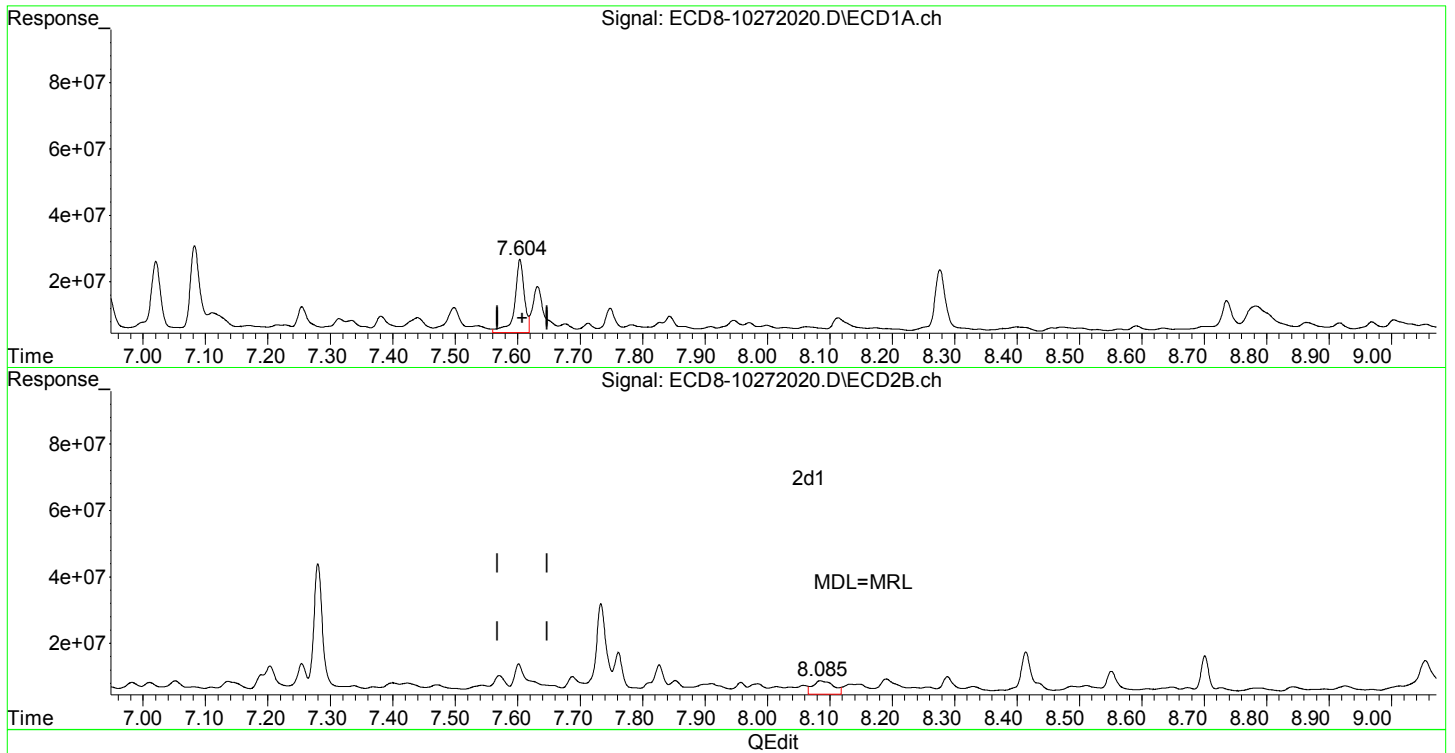
MJB 10/27/20

(17) 4,4'-DDT #2
8.926min 1.904 ng/mL
response 4984142

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:38
Operator : MJB
Sample : A0J0472-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:13:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.604min 10.356 ng/mL
response 22026629

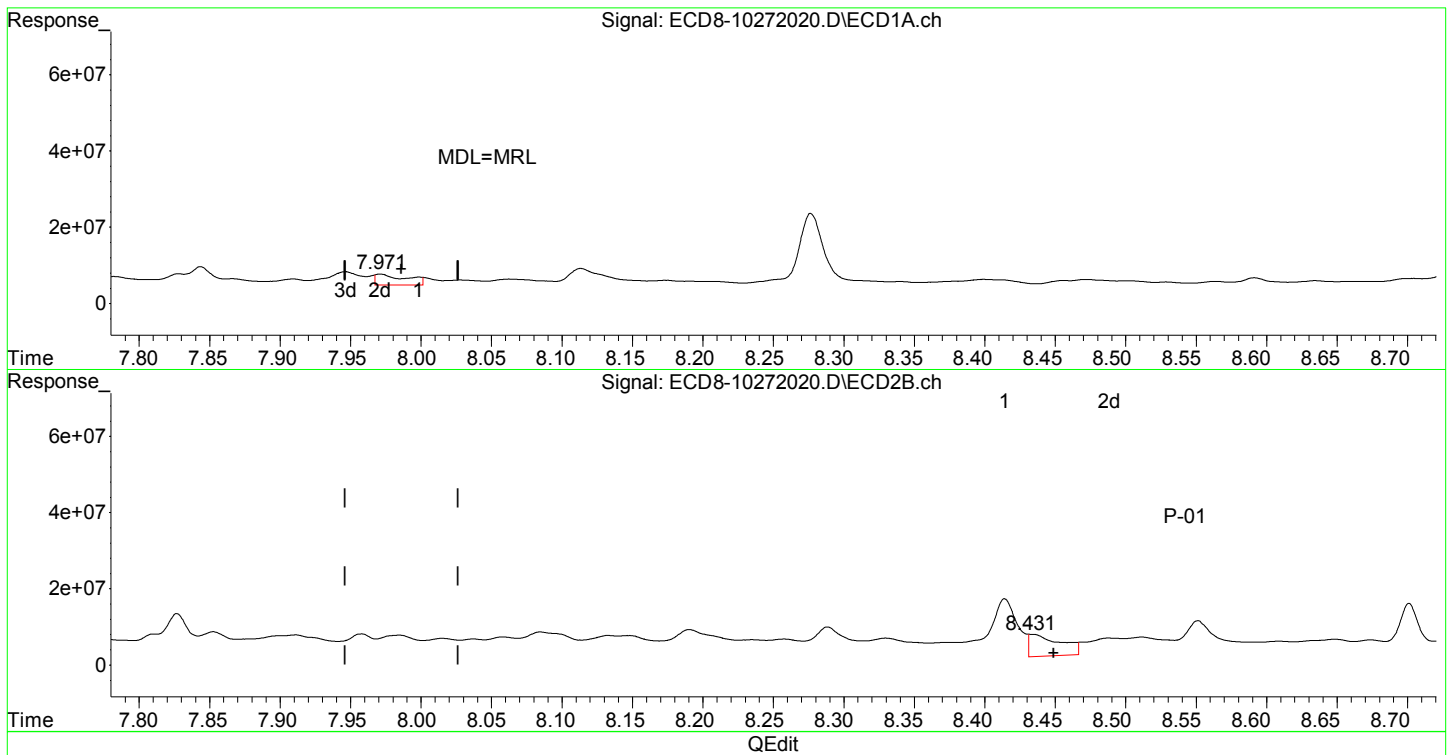
MJB 10/27/20

(26) 2,4'-DDE #2
8.085min 1.626 ng/mL m
response 3946446

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:38
Operator : MJB
Sample : A0J0472-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:13:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.971min 1.469 ng/mL m
response 2821552

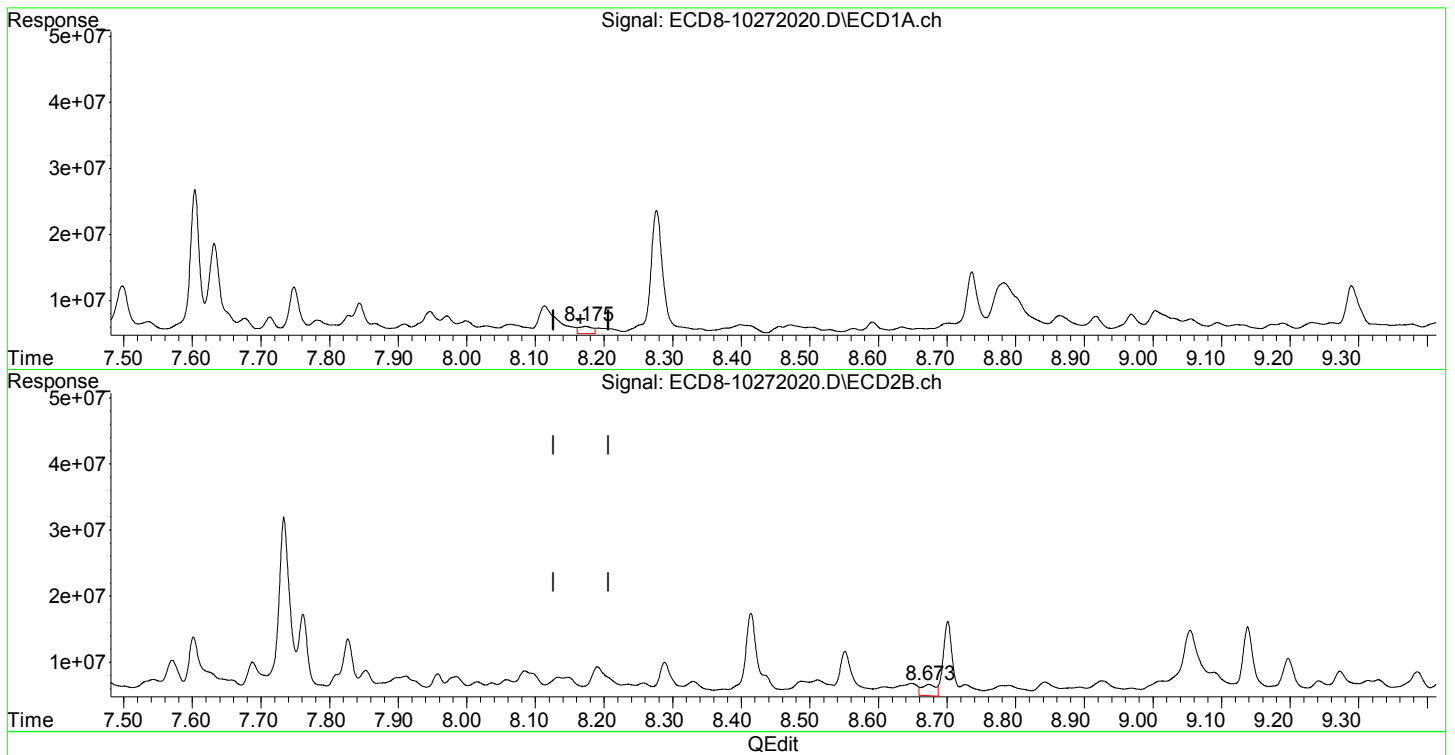
MJB 10/27/20

(28) 2,4'-DDD #2
8.431min 2.762 ng/mL m
response 5876738

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:38
Operator : MJB
Sample : A0J0472-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:13:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
8.174min 0.508 ng/mL
response 1090371

MJB 10/27/20

(29) 2,4'-DDT #2
8.673min 0.667 ng/mL m
response 1676841

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:38
 Operator : MJB
 Sample : A0J0472-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

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MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:13:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.655	5.962	253.0E6	184.0E6	71.544	45.988 #
22) S DCBP (S)	9.877	10.470	117.2E6	119.6E6	46.773	49.422
Target Compounds						
2) a-BHC	6.215	6.586	2142275	6458265	0.455	1.207 #
3) g-BHC	6.484f	6.900	6253206	9304549	1.554	2.001 #
4) b-BHC	6.568	6.942	17620933	5151070	11.289	2.633 #
5) Heptachlor	6.886	7.254	6893092	11607424	1.698	2.536 #
6) d-BHC	6.743	7.203	3071386	10880968	1.057	2.753 #
7) Aldrin	7.169f	7.543f	2368591	5173141	0.603	1.212 #
8) Heptachlo...	7.604	7.958	22026629	5975735	6.025	1.488 #
9) trans-Chl...	7.713	8.085	2736709	6477166	0.743	1.627 #
10) cis-Chlor...	7.808	8.191	1504546	7074397	0.415	1.823 #
11) Endosulfa...	7.909	8.258	1569913	4616773	0.462	1.284 #
12) 4,4'-DDE	7.866	8.289	1673908	7745650	0.531	2.326 #
13) Dieldrin	8.064	8.414f	1459804	15200225	0.389	3.970 #
14) Endrin	8.277f	8.674	18542271	4411928	6.761	1.728 #
15) 4,4'-DDD	8.277	8.701	18542271	13948763	6.818	4.836 #
16) Endosulfa...	8.400	8.790f	1223478	4284434	0.415	1.316 #
17) 4,4'-DDT	8.472	8.926	1161720	4984142	0.498	1.904 #
18) Endrin Al...	8.703	9.054	1243731	12636310	0.138	4.054 #
19) Endosulfa...	9.004	9.242	2949915	4990723	0.987	1.502 #
20) Methoxychlor	8.783f	9.386	7277348	6342189	5.287	4.438
21) Endrin Ke...	9.232	9.625	968119	4976913	0.262	1.274 #
23) Hexachlor...	3.451	3.713f	5355421	2602673	1.497	0.526 #
24) Hexachlor...	6.047	6.442	4832748	195.6E6	1.445	49.153 #
25) Oxychlorane	7.536	7.911f	2122359	5659392	0.657	1.608 #
26) 2,4'-DDE	7.604	8.085	22026629	6477166	10.356	2.669 #
27) trans-Non...	7.782	8.147	2257544	5486590	0.625	1.392 #
28) 2,4'-DDD	7.999	8.414f	1990882	15200225	1.036	7.381 #
29) 2,4'-DDT	8.174	8.674	1090371	4411928	0.508	1.995 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:38
 Operator : MJB
 Sample : A0J0472-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:13:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

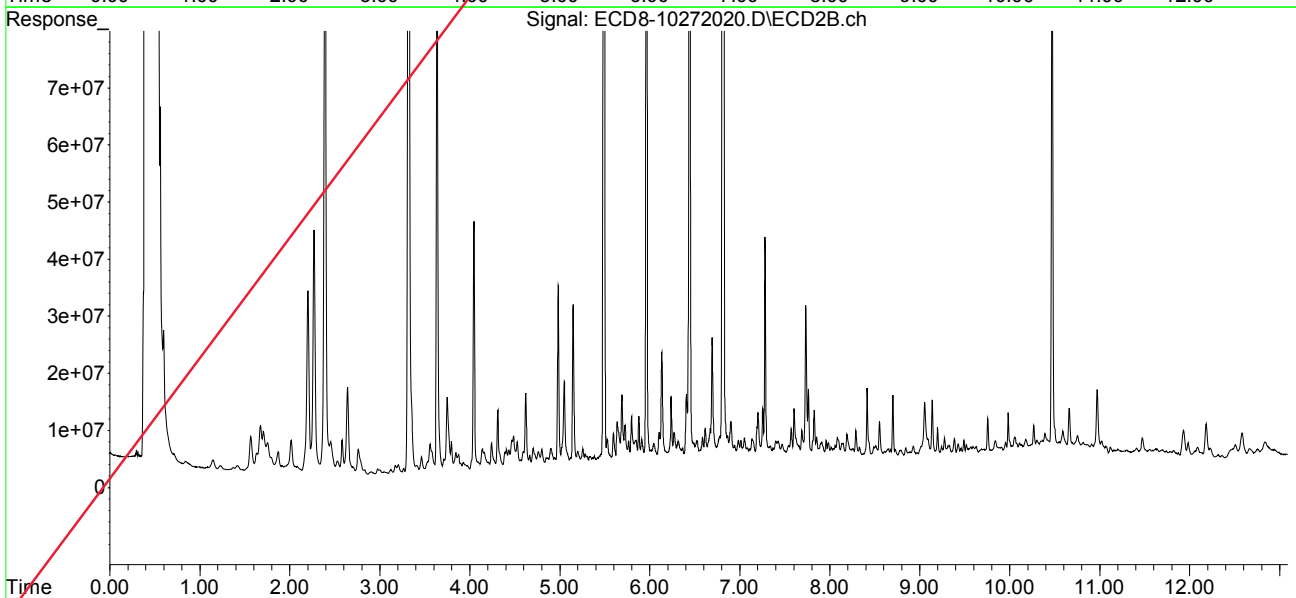
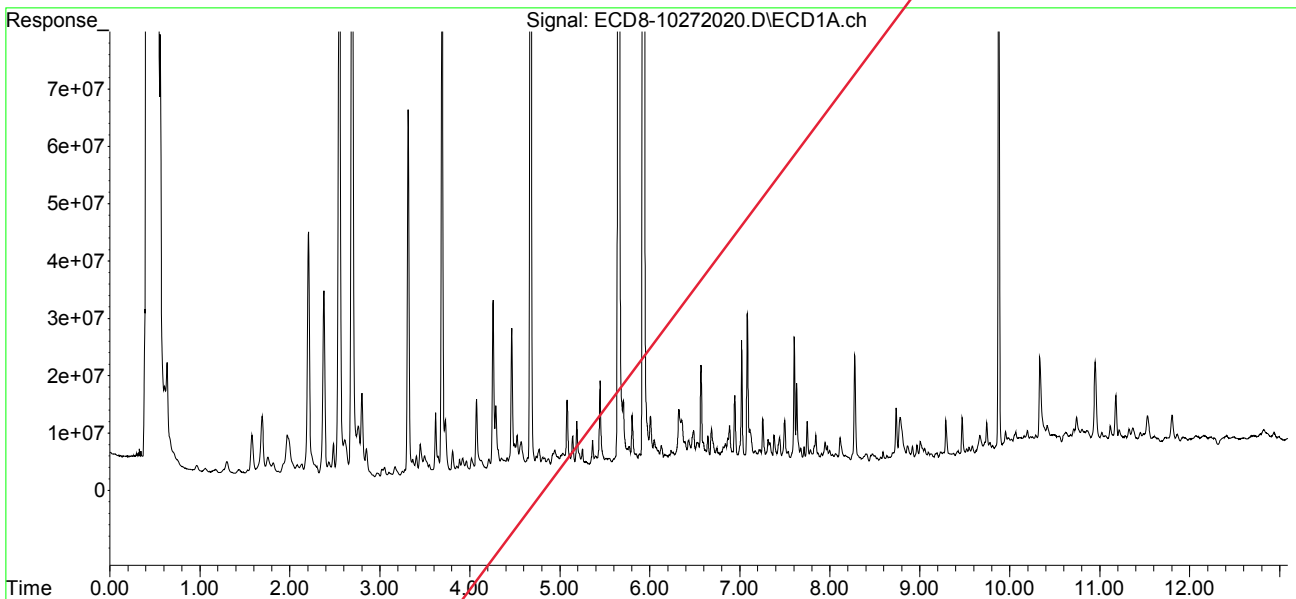
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.277	8.727	18542271	4392669	4.702	1.027 #
31)	Mirex	8.969f	9.625	2391250	4976913	0.715	1.763 #
32)	Chlordane...	7.713	8.133f	2736709	5496548	6.643	11.283 #
33)	Chlordane...	7.808	8.235	1504546	4449227	3.589	10.747 #
34)	Chlordane...	8.400f	8.893f	1223478	4029760	9.488	29.795 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.808	8.414f	1504546	15200225	101.134	399.947 #
37)	Toxaphene...	8.114	8.790	4206417	4284434	127.705	90.879 #
38)	Toxaphene...	8.400	8.843	1223478	4755565	17.649	67.615 #
39)	Toxaphene...	8.660	8.893	455052	4029760	6.115	33.826 #
40)	Toxaphene...	8.917f	9.054	2135243	12636310	35.969	183.426 #
41)	Toxaphene...	8.969	9.457	2391250	4669696	35.518	62.361 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:38
Operator : MJB
Sample : A0J0472-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:13:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:54
 Operator : MJB
 Sample : A0J0472-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:20:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.657	5.962	170.6E6	158.4E6	48.255	39.582
22) S DCBP (S)	9.877	10.470	95213130	93149493	37.989	38.503
Target Compounds						
2) a-BHC	6.238	6.586	2641460	6641896	0.561	1.242 #
3) g-BHC	6.484f	6.865	5887047	6656704	1.463	1.431
4) b-BHC	6.596	6.941	3867559	4909127	2.478	2.509
5) Heptachlor	6.885	7.254	4145888	12189285	1.022	2.663 #
6) d-BHC	6.745	7.203	2885986	7984685	0.997	2.041 #
7) Aldrin	7.111f	7.544f	5867897	5579599	1.494	1.307
8) Heptachlo...	7.603	7.957	4111921	5396136	1.125	1.344
9) trans-Chl...	7.712	8.086	2973500	6267493	0.807	1.575 #
10) cis-Chlor...	7.828f	8.191	2802623	8296953	0.774	2.139 #
11) Endosulfa...	7.909	8.255	1185024	4948605	0.348	1.376 #
12) 4,4'-DDE	7.844	8.288	3773700	5607070	1.198	1.699m# MDL=MRL
13) Dieldrin	8.068	8.415f	1399852	12663025	0.373	3.313 #
14) Endrin	8.278f	8.675	10017593	4621866	3.653	1.808 #
15) 4,4'-DDD	8.278	8.700	10017593	4336345	3.683	1.515m# MDL=MRL
16) Endosulfa...	8.398	8.808	1212587	4057914	0.412	1.246 #
17) 4,4'-DDT	8.480	8.921	871779	2517795	0.382	0.996m# P-01
18) Endrin Al...	8.736f	9.053	14805322	21060373	4.917	6.922 #
19) Endosulfa...	9.005	9.242	1533322	4873783	0.513	1.467 #
20) Methoxychlor	8.784f	9.386	13472621	6525508	9.787	4.567 #
21) Endrin Ke...	9.230	9.623	866819	4760692	0.234	1.219 #
23) Hexachlor...	3.451	3.713f	5885859	2429341	1.666	0.478 #
24) Hexachlor...	6.046	6.442	4443542	91670755	1.328	23.033 #
25) Oxychlorane	0.000	7.912f	0	7922130	N.D.	2.251 #
26) 2,4'-DDE	7.603	8.086	4111921	4807191	1.933	1.981m MDL=MRL
27) trans-Non...	7.782	8.149	2726115	6154581	0.754	1.561 #
28) 2,4'-DDD	7.997	8.426f	2239893	5194287	1.166	MDL=MRL 2.422m# P-01
29) 2,4'-DDT	8.174	8.674	1076493	2244088	0.502	0.943m#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:54
 Operator : MJB
 Sample : A0J0472-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:20:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

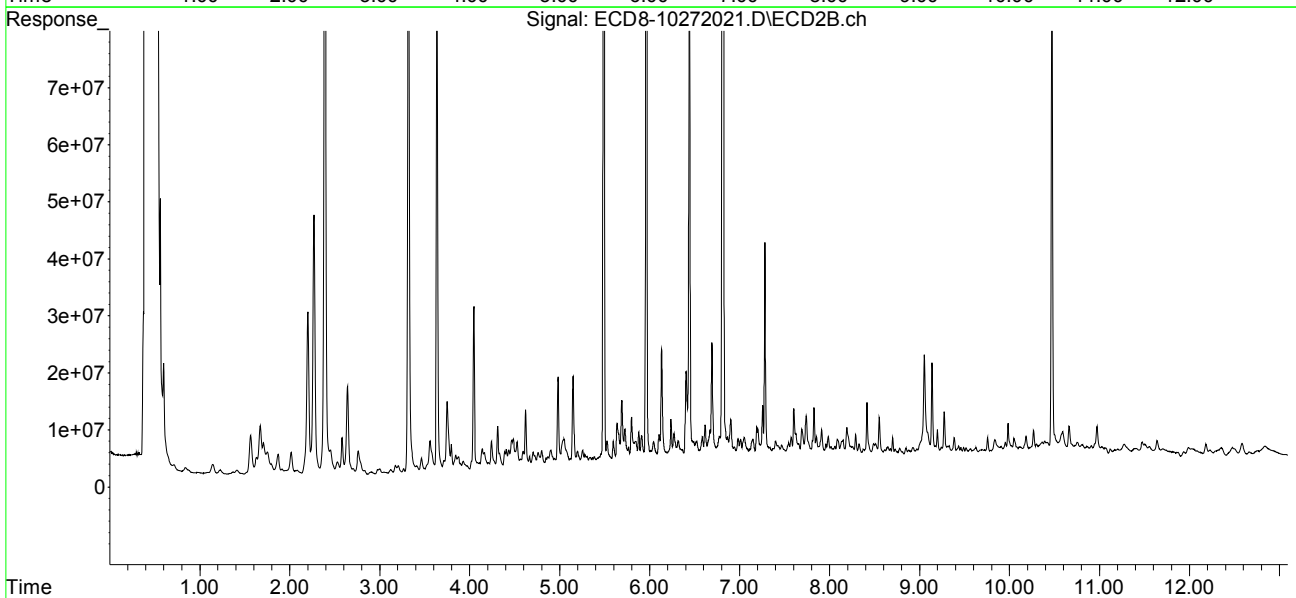
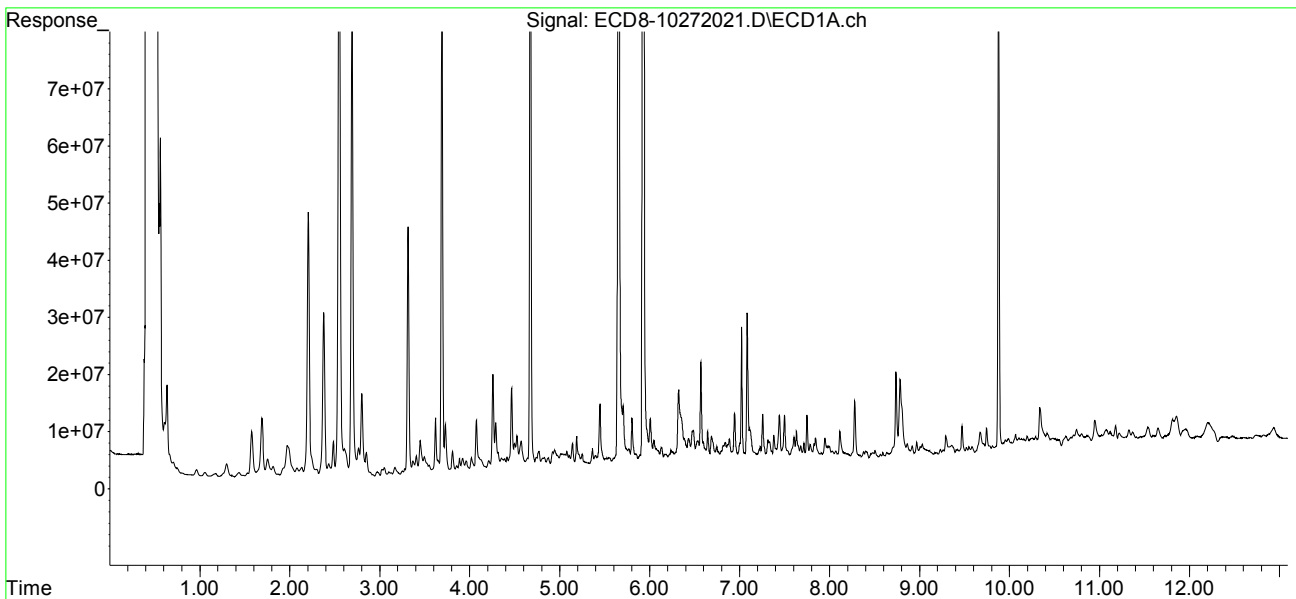
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.278	8.727	10017593	4493558	2.540	1.050 #
31)	Mirex	8.968f	9.623	2356721	4760692	0.700	1.671 #
32)	Chlordane...	7.712	8.086f	2973500	6267493	7.218	12.866 #
33)	Chlordane...	7.828	8.234	2802623	5034023	6.686	12.159 #
34)	Chlordane...	8.376	8.878	1109916	4321072	8.607	31.949 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.782f	8.415f	2726115	12663025	183.246	333.189 #
37)	Toxaphene...	8.113	8.779	4787685	4692733	145.351	99.540 #
38)	Toxaphene...	8.398f	8.808	1212587	4057914	17.492	57.696 #
39)	Toxaphene...	8.656	8.894	626475	4214904	8.418	35.380 #
40)	Toxaphene...	8.917f	9.053	1711894	21060373	28.838	305.708 #
41)	Toxaphene...	8.968	9.433	2356721	5077851	35.005	67.812 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:54
Operator : MJB
Sample : A0J0472-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

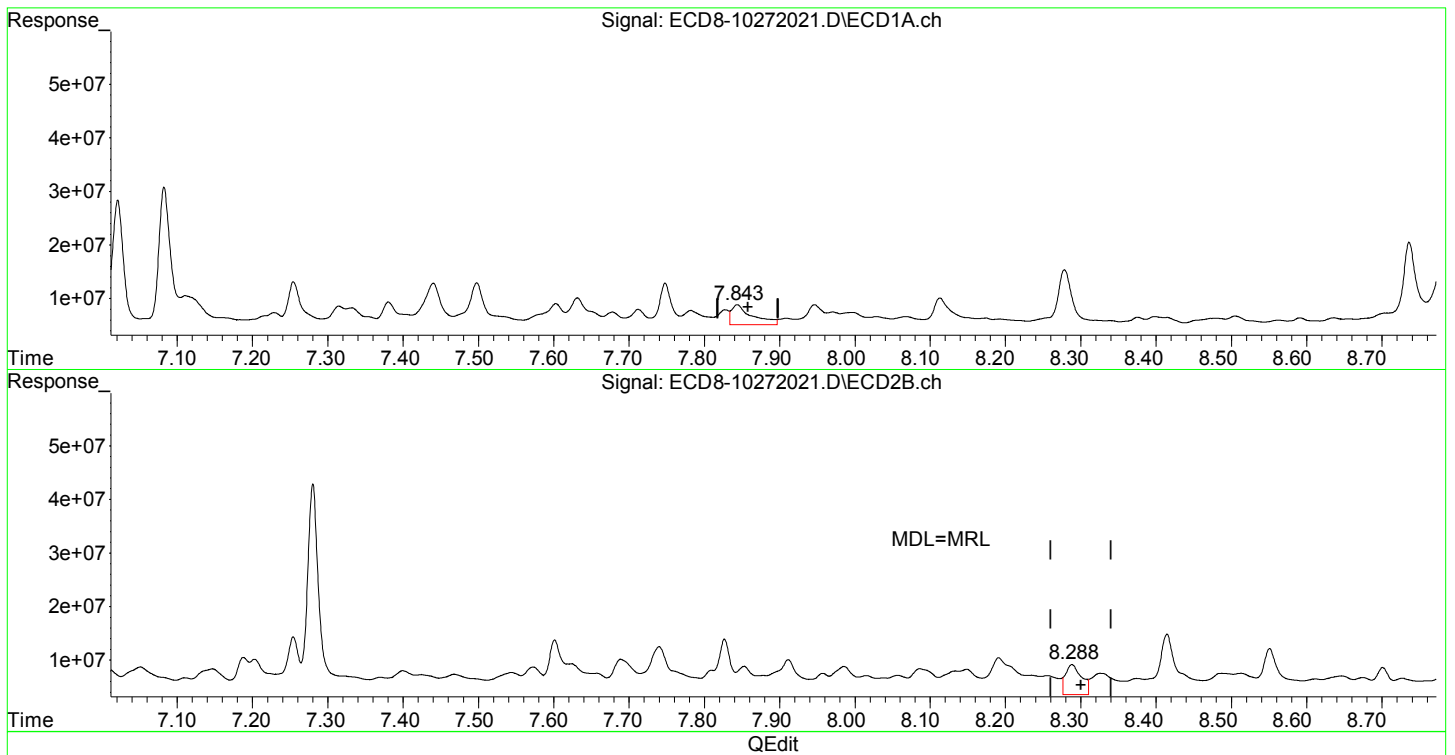
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:20:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:54
Operator : MJB
Sample : A0J0472-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:20:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.844min 1.198 ng/mL
response 3773700

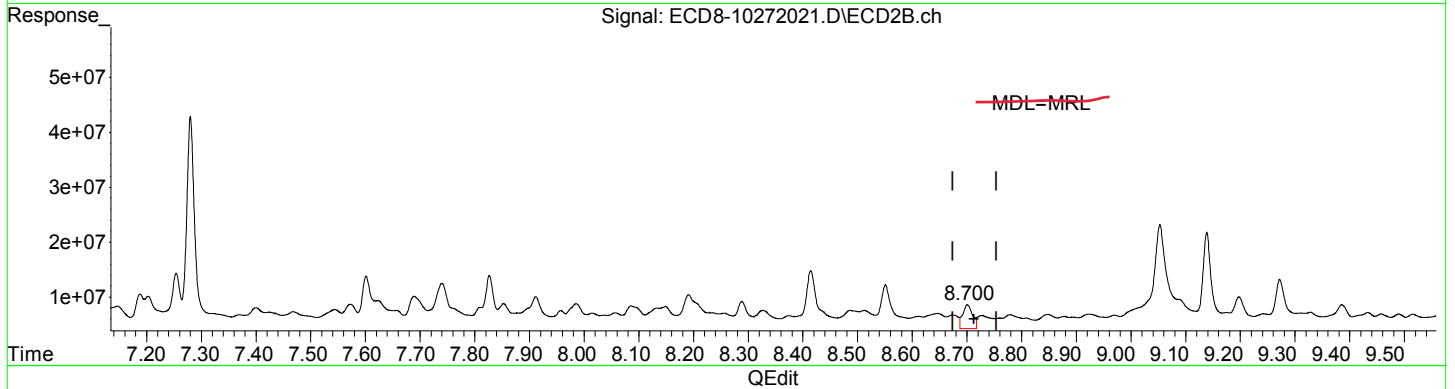
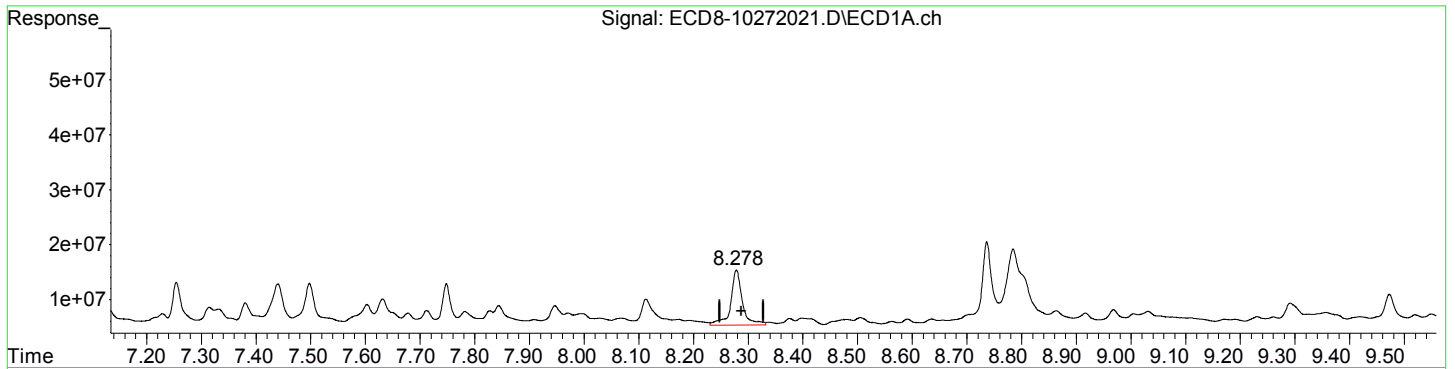
MJB 10/27/20

(12) 4,4'-DDE #2
8.288min 1.699 ng/mL m
response 5607070

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:54
Operator : MJB
Sample : A0J0472-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:20:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
8.278min 3.683 ng/mL
response 10017593

MJB 10/27/20

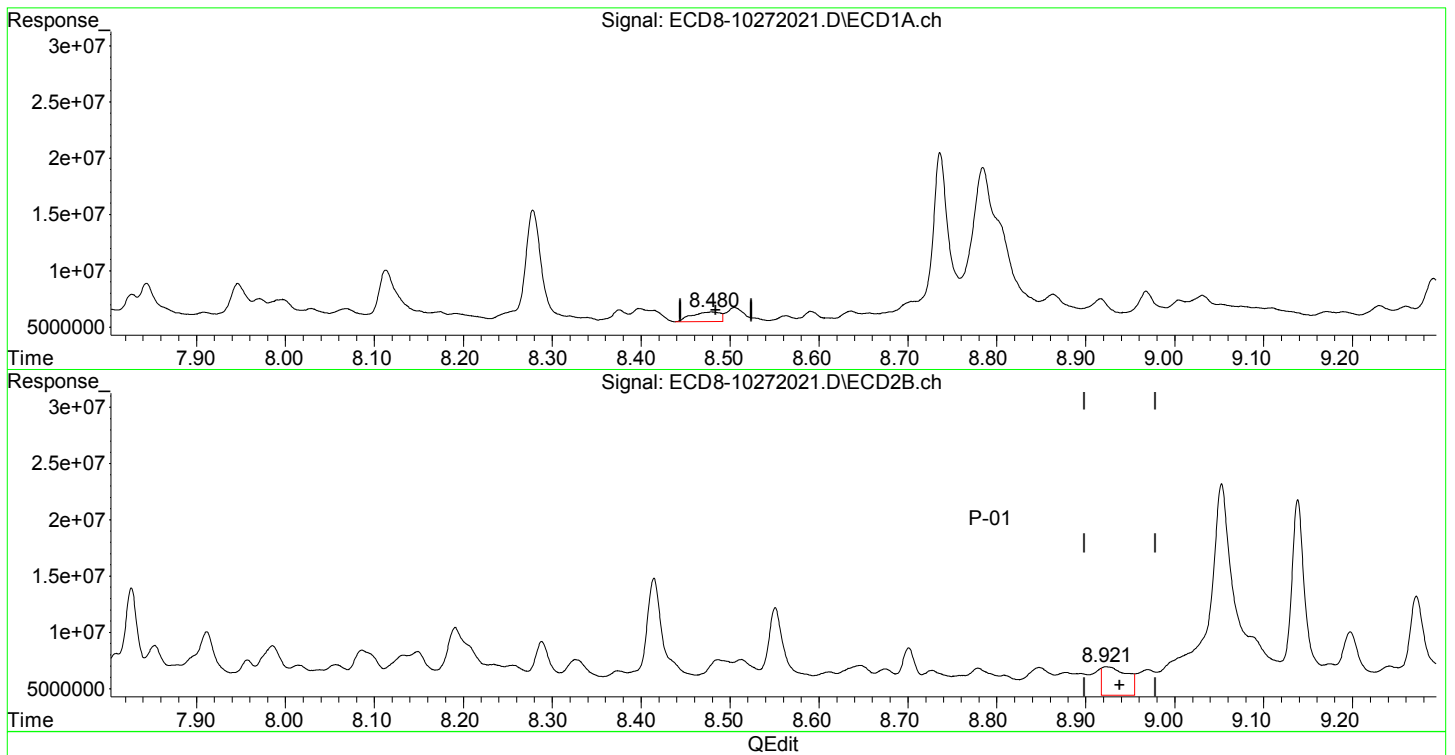
(15) 4,4'-DDD #2
8.700min 1.515 ng/mL m
response 4336345

Repot MKZ 10/29/2020 P-11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:54
Operator : MJB
Sample : A0J0472-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:20:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
8.480min 0.382 ng/mL
response 871779

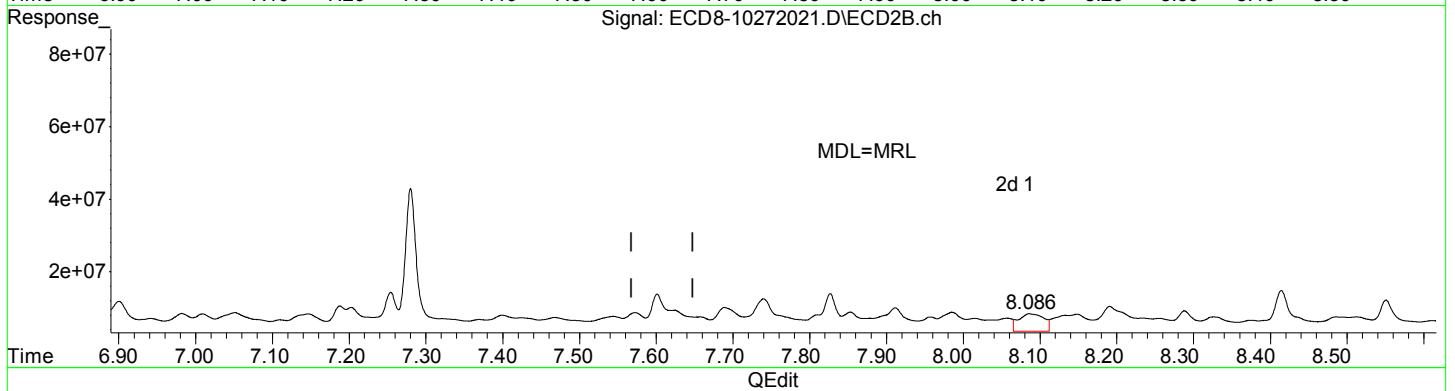
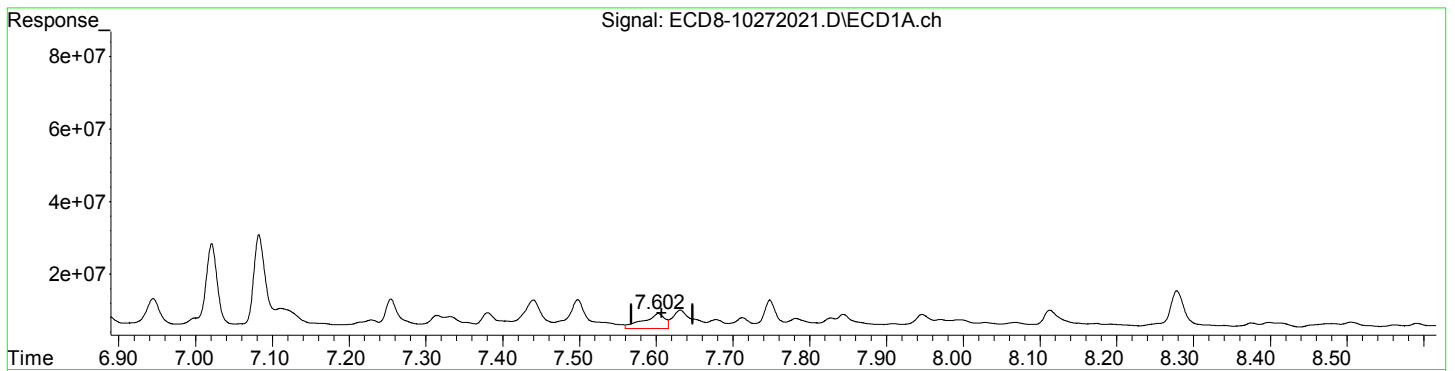
MJB 10/27/20

(17) 4,4'-DDT #2
8.921min 0.996 ng/mL m
response 2517795

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:54
Operator : MJB
Sample : A0J0472-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:20:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.603min 1.933 ng/mL
response 4111921

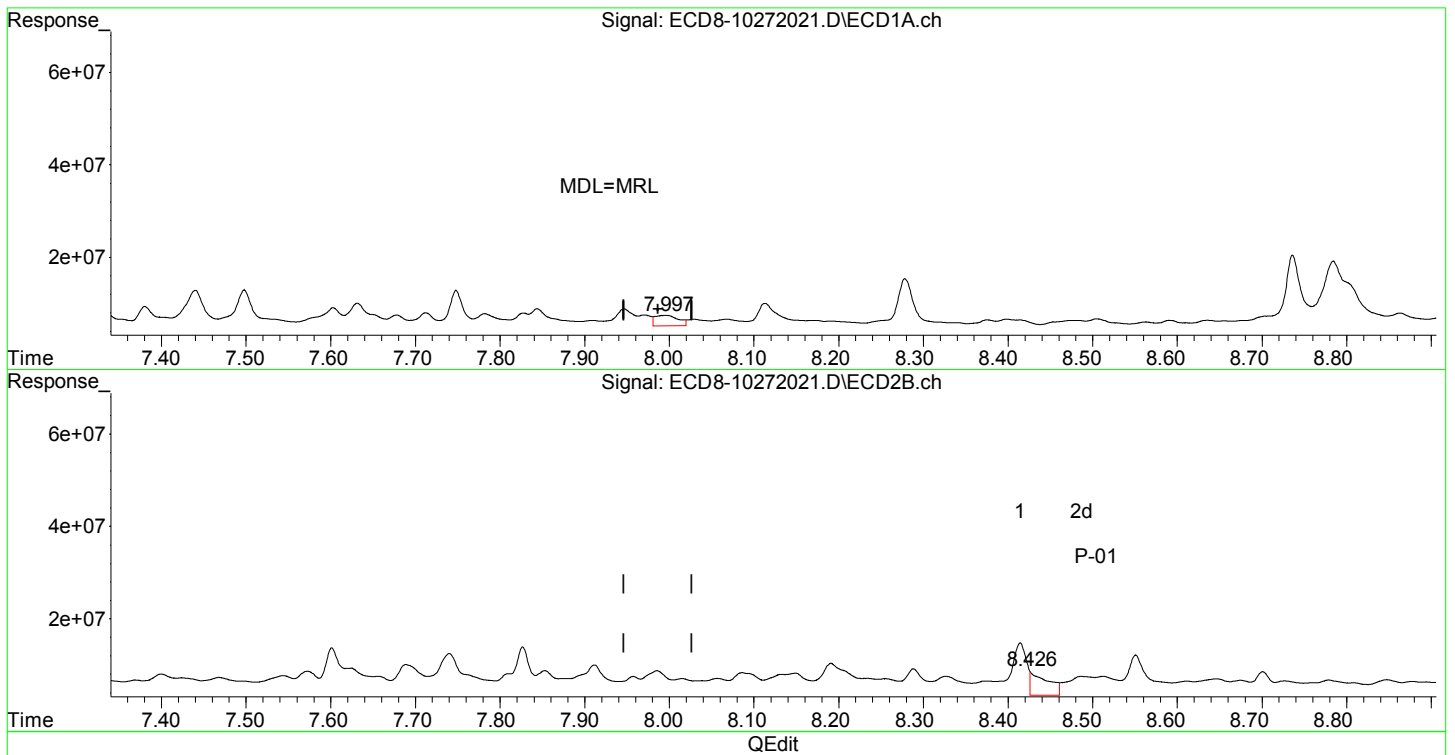
MJB 10/27/20

(26) 2,4'-DDE #2
8.086min 1.981 ng/mL m
response 4807191

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:54
Operator : MJB
Sample : A0J0472-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:20:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.997min 1.166 ng/mL
response 2239893

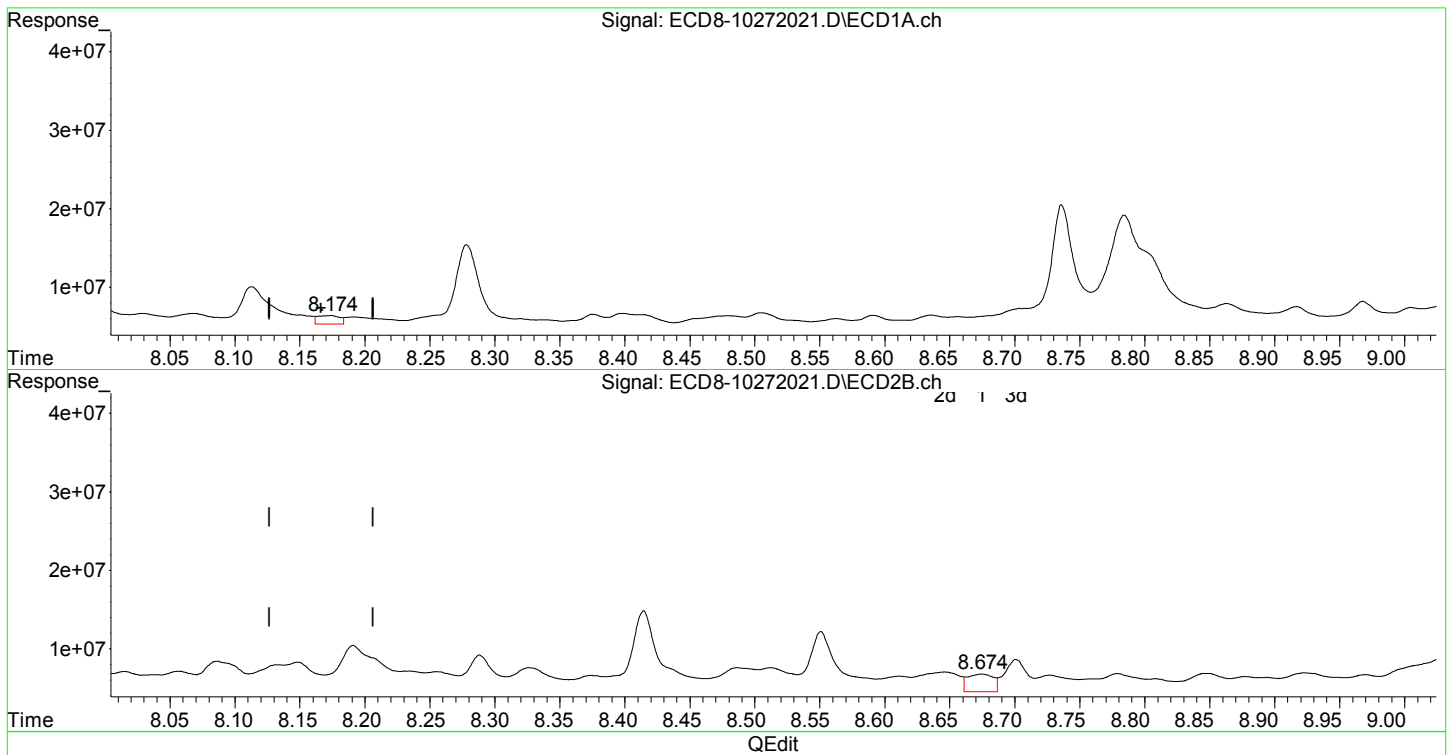
MJB 10/27/20

(28) 2,4'-DDD #2
8.426min 2.422 ng/mL m
response 5194287

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:54
Operator : MJB
Sample : A0J0472-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:20:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
8.174min 0.502 ng/mL
response 1076493

MJB 10/27/20

(29) 2,4'-DDT #2
8.674min 0.943 ng/mL m
response 2244088

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:54
 Operator : MJB
 Sample : A0J0472-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 Sample Multiplier: 1

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MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:20:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.657	5.962	170.6E6	158.4E6	48.255	39.582
22) S DCBP (S)	9.877	10.470	95213130	93149493	37.989	38.503
Target Compounds						
2) a-BHC	6.238	6.586	2641460	6641896	0.561	1.242 #
3) g-BHC	6.484f	6.865	5887047	6656704	1.463	1.431
4) b-BHC	6.596	6.941	3867559	4909127	2.478	2.509
5) Heptachlor	6.885	7.254	4145888	12189285	1.022	2.663 #
6) d-BHC	6.745	7.203	2885986	7984685	0.997	2.041 #
7) Aldrin	7.111f	7.544f	5867897	5579599	1.494	1.307
8) Heptachlo...	7.603	7.957	4111921	5396136	1.125	1.344
9) trans-Chl...	7.712	8.086	2973500	6267493	0.807	1.575 #
10) cis-Chlor...	7.828f	8.191	2802623	8296953	0.774	2.139 #
11) Endosulfa...	7.909	8.255	1185024	4948605	0.348	1.376 #
12) 4,4'-DDE	7.844	8.288	3773700	7055375	1.198	2.124 #
13) Dieldrin	8.068	8.415f	1399852	12663025	0.373	3.313 #
14) Endrin	8.278f	8.675	10017593	4621866	3.653	1.808 #
15) 4,4'-DDD	8.278	8.701	10017593	6500043	3.683	2.267 #
16) Endosulfa...	8.398	8.808	1212587	4057914	0.412	1.246 #
17) 4,4'-DDT	8.480	8.923	871779	4810416	0.382	1.841 #
18) Endrin Al...	8.736f	9.053	14805322	21060373	4.917	6.922 #
19) Endosulfa...	9.005	9.242	1533322	4873783	0.513	1.467 #
20) Methoxychlor	8.784f	9.386	13472621	6525508	9.787	4.567 #
21) Endrin Ke...	9.230	9.623	866819	4760692	0.234	1.219 #
23) Hexachlor...	3.451	3.713f	5885859	2429341	1.666	0.478 #
24) Hexachlor...	6.046	6.442	4443542	91670755	1.328	23.033 #
25) Oxychlorane	0.000	7.912f	0	7922130	N.D.	2.251 #
26) 2,4'-DDE	7.603	8.086	4111921	6267493	1.933	2.583 #
27) trans-Non...	7.782	8.149	2726115	6154581	0.754	1.561 #
28) 2,4'-DDD	7.997	8.415f	2239893	12663025	1.166	6.129 #
29) 2,4'-DDT	8.174	8.675	1076493	4621866	0.502	2.096 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 16:54
 Operator : MJB
 Sample : A0J0472-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:20:47 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

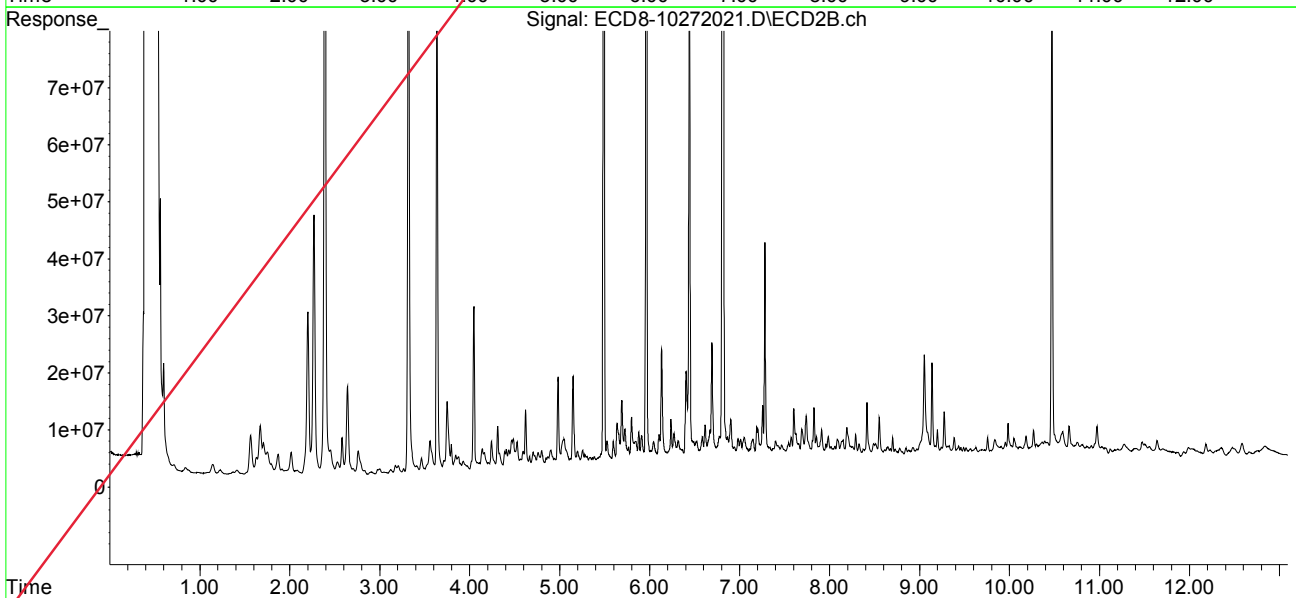
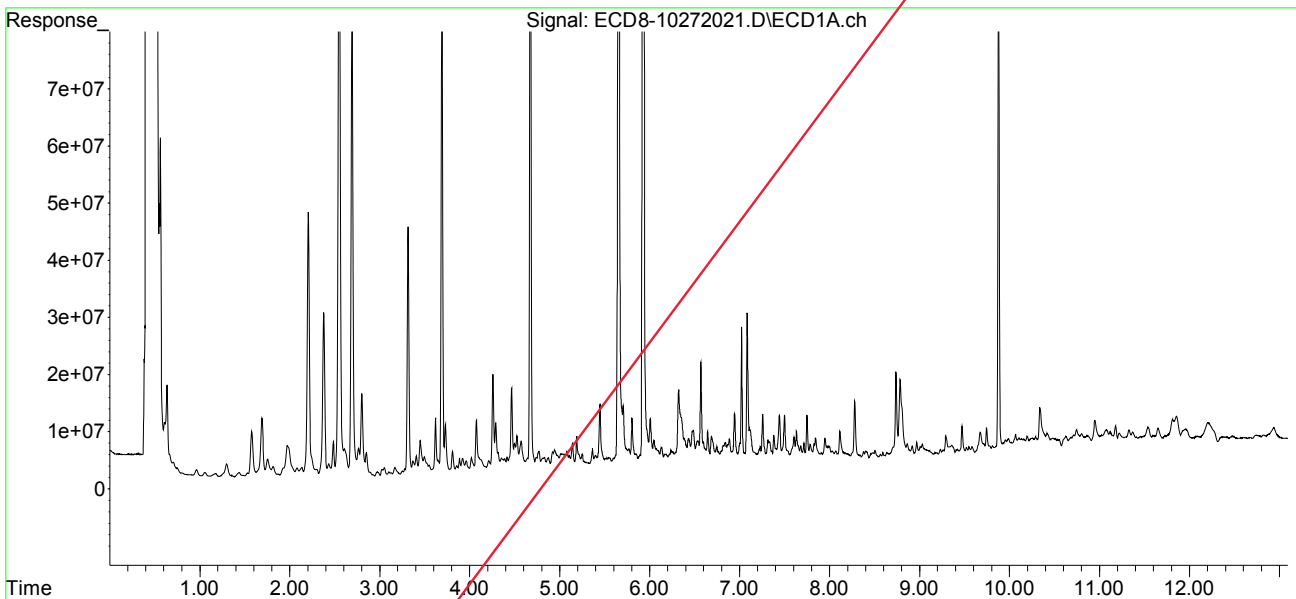
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.278	8.727	10017593	4493558	2.540	1.050 #
31)	Mirex	8.968f	9.623	2356721	4760692	0.700	1.671 #
32)	Chlordane...	7.712	8.086f	2973500	6267493	7.218	12.866 #
33)	Chlordane...	7.828	8.234	2802623	5034023	6.686	12.159 #
34)	Chlordane...	8.376	8.878	1109916	4321072	8.607	31.949 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.782f	8.415f	2726115	12663025	183.246	333.189 #
37)	Toxaphene...	8.113	8.779	4787685	4692733	145.351	99.540 #
38)	Toxaphene...	8.398f	8.808	1212587	4057914	17.492	57.696 #
39)	Toxaphene...	8.656	8.894	626475	4214904	8.418	35.380 #
40)	Toxaphene...	8.917f	9.053	1711894	21060373	28.838	305.708 #
41)	Toxaphene...	8.968	9.433	2356721	5077851	35.005	67.812 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 16:54
Operator : MJB
Sample : A0J0472-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:20:47 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:14
 Operator : MJB
 Sample : A0J0472-05RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:27:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.657	5.962	207.0E6	157.2E6	58.531	39.288 #
22) S DCBP (S)	9.880	10.473	112.1E6	109.9E6	44.738	45.429
Target Compounds						
2) a-BHC	6.215	6.587	1420637	3349238	0.302	0.626 #
3) g-BHC	6.488	6.901	3970564	5665710	0.987	1.218
4) b-BHC	6.571	6.941	11048096	2597836	7.078	1.328 #
5) Heptachlor	6.919	7.255	1435752	6601591	0.354	1.442 #
6) d-BHC	6.745	7.191	2111692	4359257	0.746	1.146 #
7) Aldrin	7.161	7.545f	1631086	2391030	0.415	0.560 #
8) Heptachlo...	7.635	7.959	2782833	1904548	0.761	0.474 #
9) trans-Chl...	7.714	8.097	1537182	3497116	0.417	0.879 #
10) cis-Chlor...	7.784f	8.192	1408012	4732420	0.389	1.220 #
11) Endosulfa...	7.911	8.258	1596771	2529868	0.469	0.703 #
12) 4,4'-DDE	7.846	8.290	4327699	5302627	1.373	1.610 MDL=MRL
13) Dieldrin	8.064	8.416f	1153458	15414090	0.307	4.025 #
14) Endrin	8.280f	8.674	18985248	2084876	6.923	0.832 #
15) 4,4'-DDD	8.280	8.703	18985248	9184796	6.981	3.196 # P-11
16) Endosulfa...	8.402	8.840f	1048277	4410395	0.356	1.355 #
17) 4,4'-DDT	8.473	8.927	1520584	3101923	0.641	1.211 # P-01
18) Endrin Al...	8.703	9.055	1616593	8410650	0.269	2.610 #
19) Endosulfa...	9.006	9.244	3680499	2569198	1.232	0.773 #
20) Methoxychlor	8.785f	9.387	6188532	3163923	4.496	2.198 #
21) Endrin Ke...	9.236	9.627	851487	2518491	0.230	0.645 #
23) Hexachlor...	3.462	3.710f	2915598	1329606	0.715	0.176 #
24) Hexachlor...	6.049	6.442	3320575	152.4E6	0.993	38.289 #
25) Oxychlorane	7.540	7.896	1952795	2997806	0.605	0.852 #
26) 2,4'-DDE	7.596	8.097	2623259	3497116	1.233	1.441 MDL=MRL
27) trans-Non...	7.784	8.134f	1408012	3062331	0.390	0.777 #
28) 2,4'-DDD	7.973	8.416f	3324345	15414090	1.730 MDL=MRL	7.487 # P-01
29) 2,4'-DDT	8.149	8.674	939456	2084876	0.438m	0.866 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:14
 Operator : MJB
 Sample : A0J0472-05RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:27:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

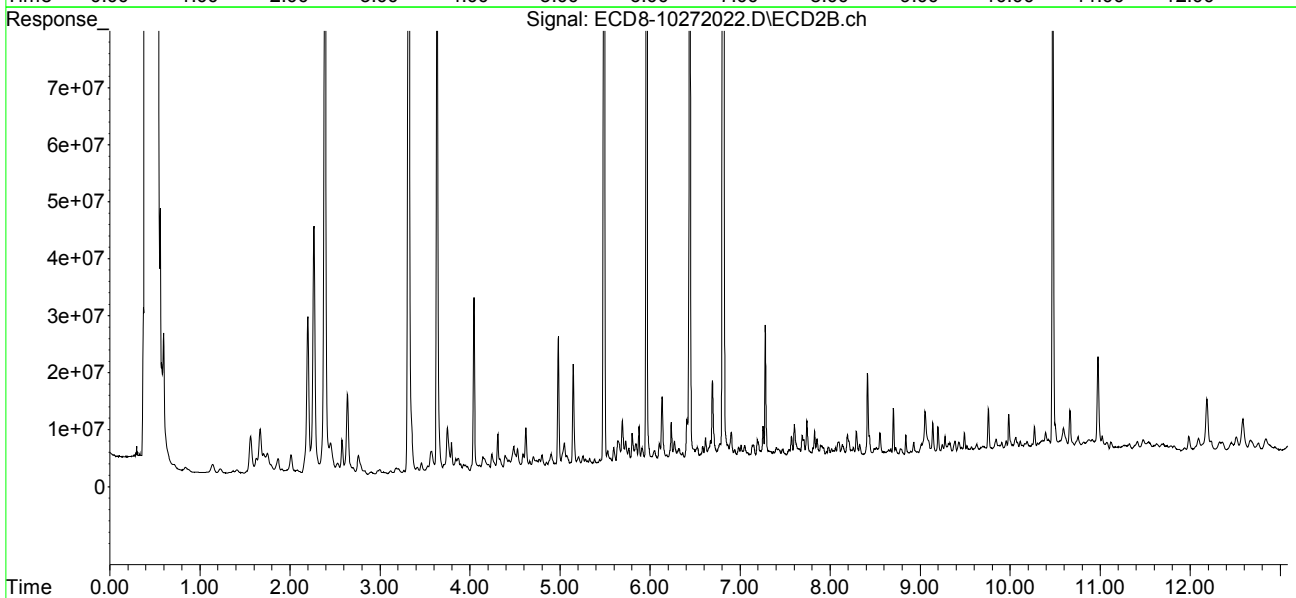
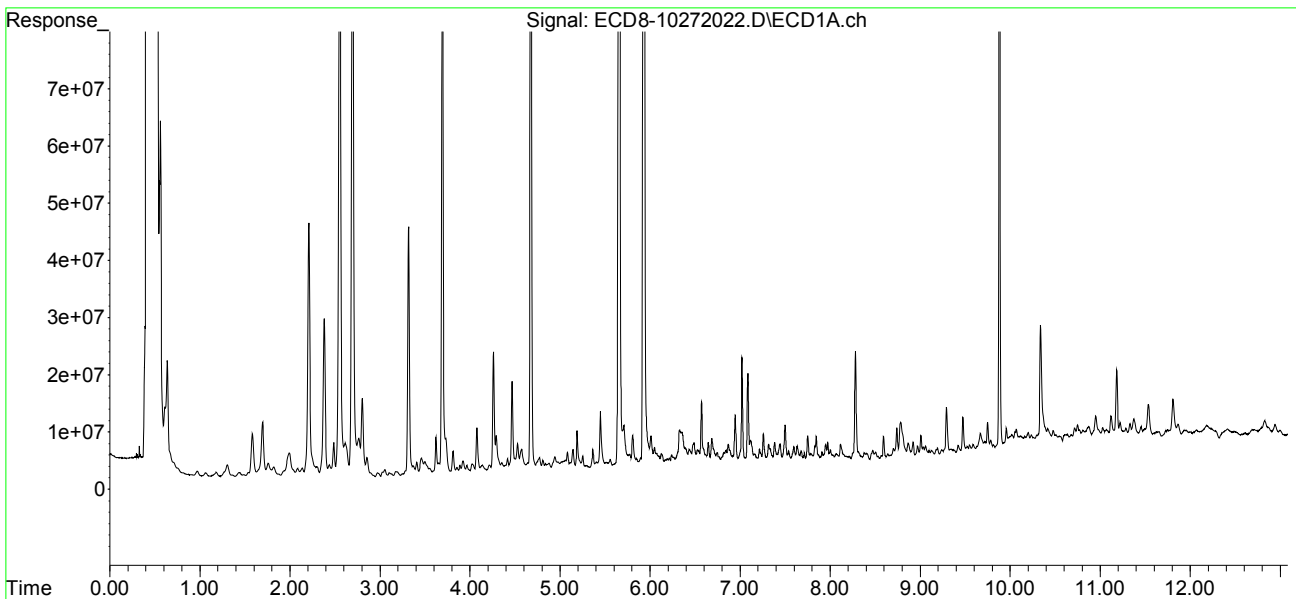
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.280	8.727	18985248	2293432	4.814	0.536 #
31)	Mirex	8.971f	9.627	1798390	2518491	0.461	0.722 #
32)	Chlordane...	7.714	8.097	1537182	3497116	3.731	7.179 #
33)	Chlordane...	7.846f	8.234	4327699	2016734	10.325	4.871 #
34)	Chlordane...	8.378	8.873	1173297	1337100	9.098	9.886
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.784	8.416f	1408012	15414090	94.645	405.575 #
37)	Toxaphene...	8.115	8.781	2789131	2010561	84.676	42.647 #
38)	Toxaphene...	8.402	8.840	1048277	4410395	15.122	62.708 #
39)	Toxaphene...	8.663	8.894	478561	1500281	6.430	12.593 #
40)	Toxaphene...	8.867f	9.055	2456414	8410650	41.379	122.087 #
41)	Toxaphene...	8.971	9.429	1798390	2918661	26.712	38.977 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:14
Operator : MJB
Sample : A0J0472-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

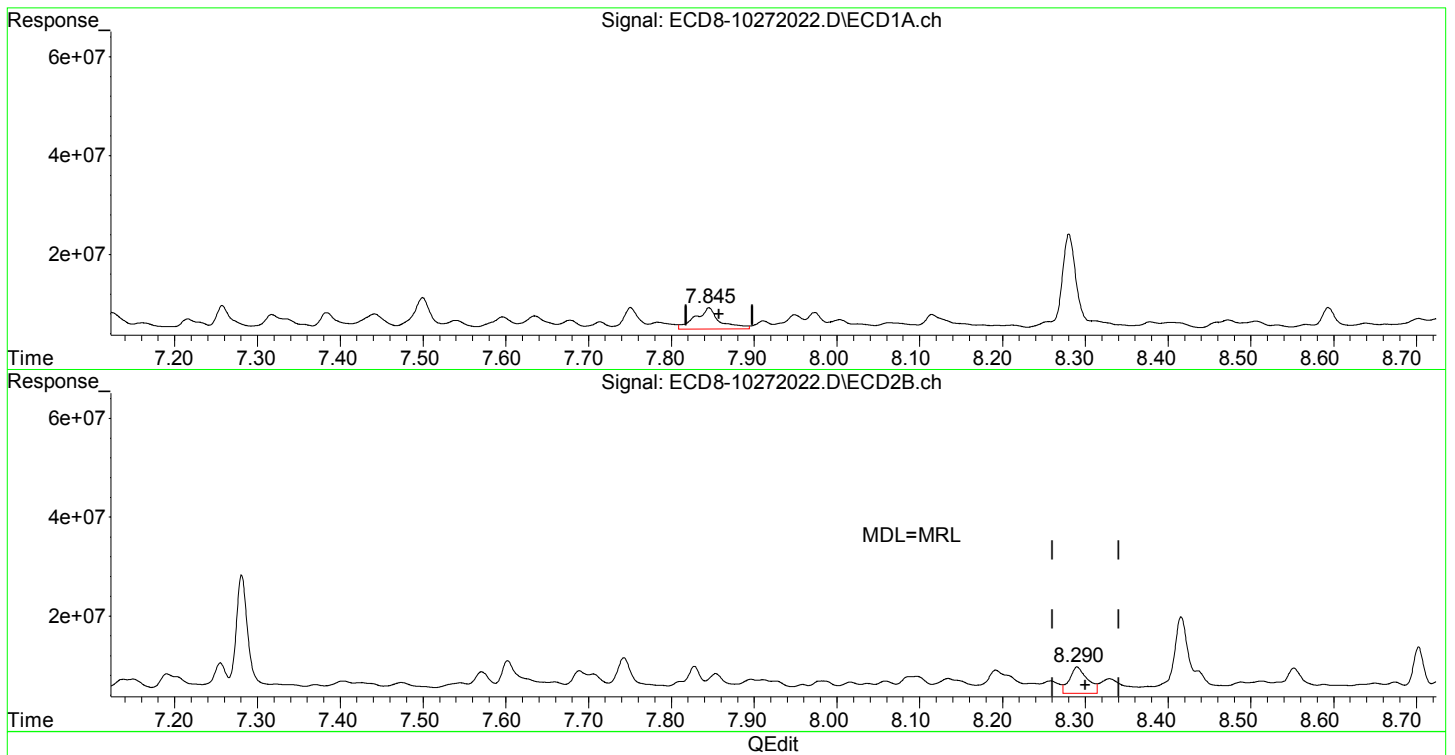
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:27:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:14
Operator : MJB
Sample : A0J0472-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:27:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.846min 1.373 ng/mL
response 4327699

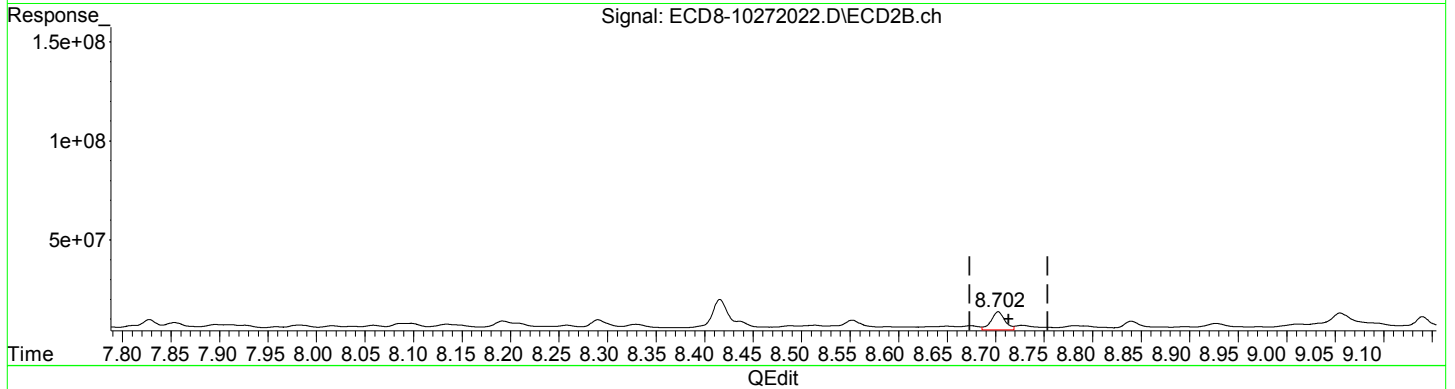
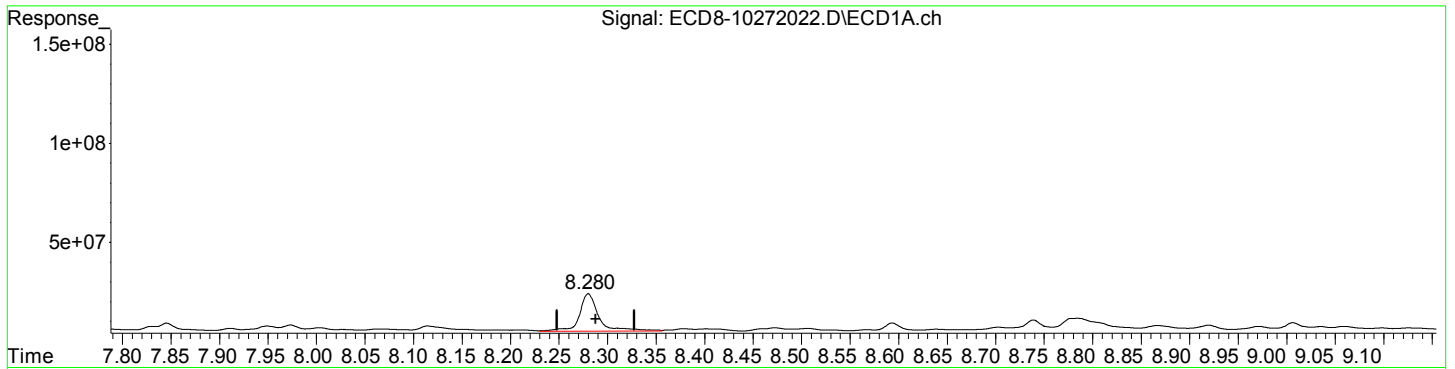
MJB 10/27/20

(12) 4,4'-DDE #2
8.290min 1.610 ng/mL
response 5302627

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:14
Operator : MJB
Sample : A0J0472-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:27:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
8.280min 6.981 ng/mL
response 18985248

MJB 10/27/20

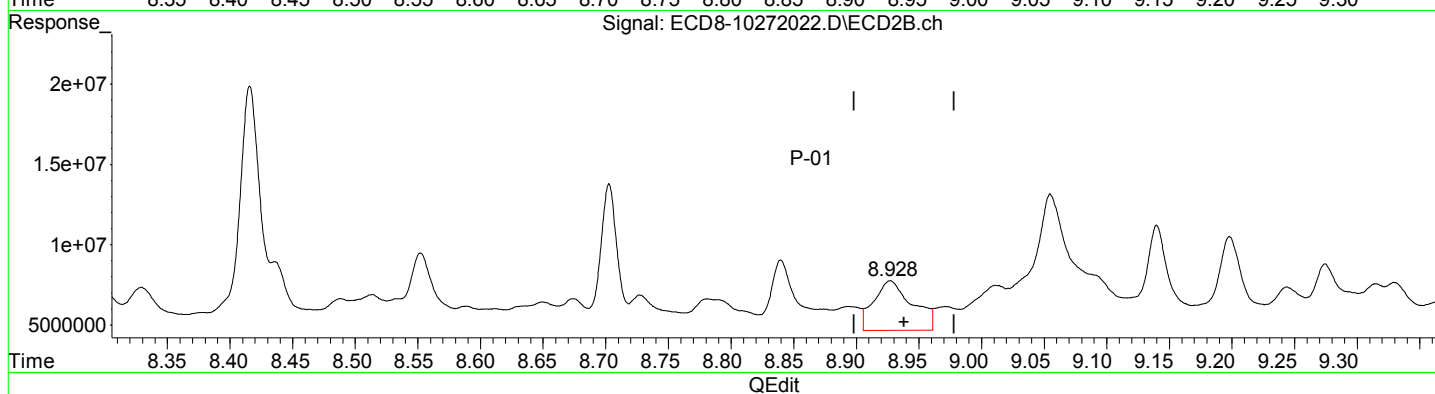
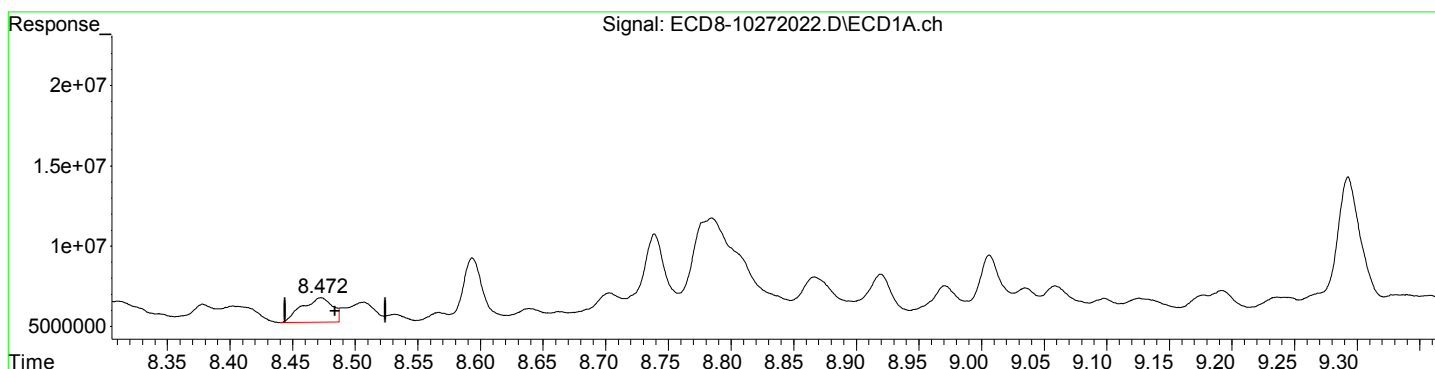
P-11

(15) 4,4'-DDD #2
8.703min 3.196 ng/mL
response 9184796

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:14
Operator : MJB
Sample : A0J0472-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:27:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
8.473min 0.641 ng/mL
response 1520584

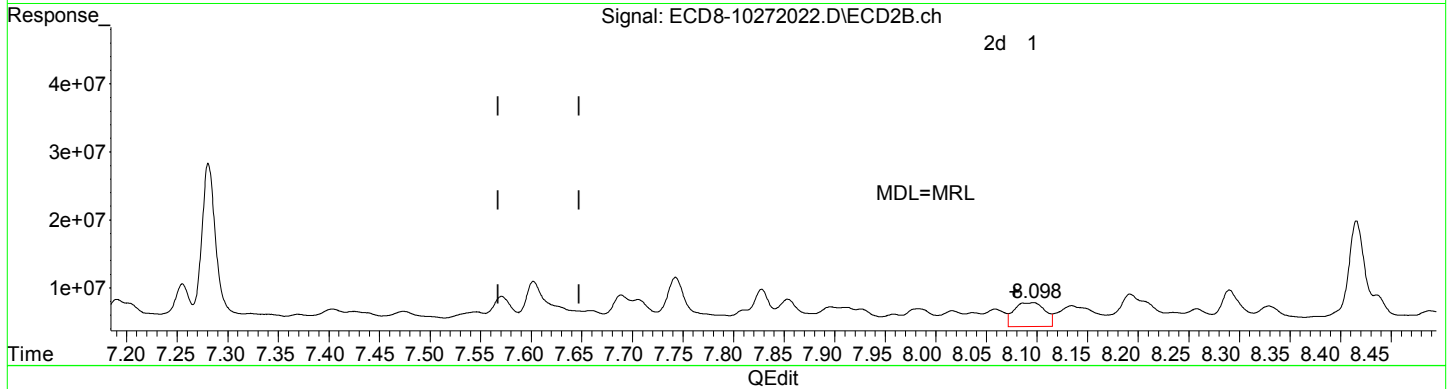
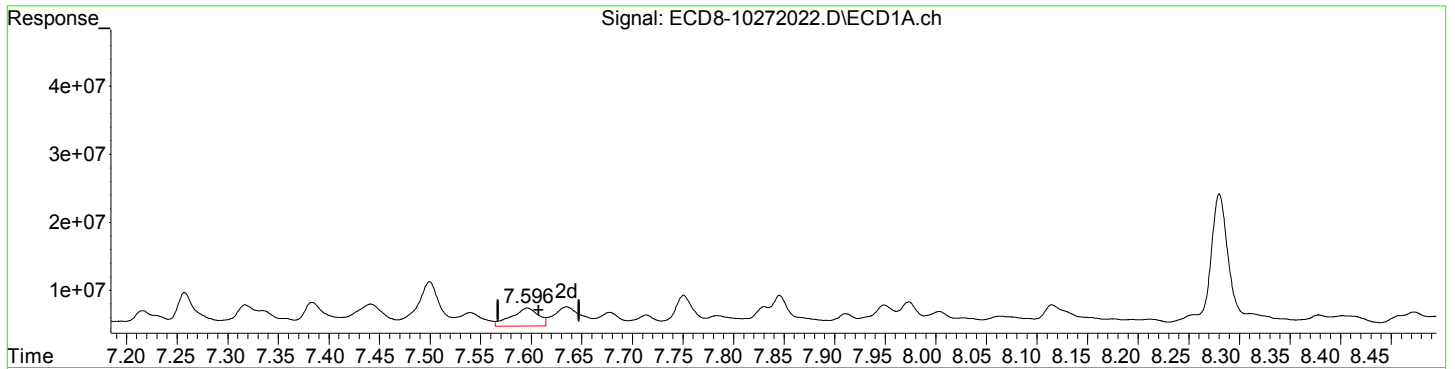
MJB 10/27/20

(17) 4,4'-DDT #2
8.927min 1.211 ng/mL
response 3101923

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:14
Operator : MJB
Sample : A0J0472-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:27:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.596min 1.233 ng/mL
response 2623259

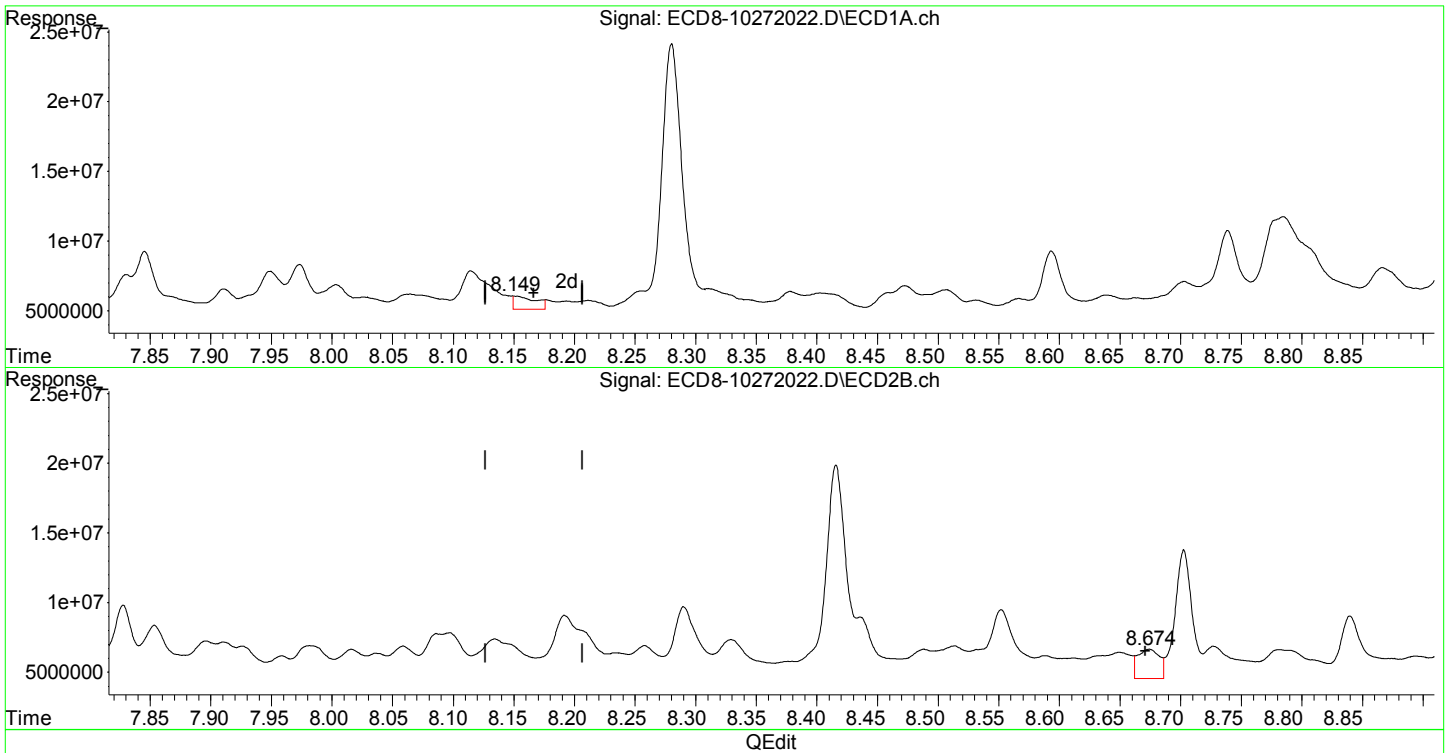
MJB 10/27/20

(26) 2,4'-DDE #2
8.097min 1.441 ng/mL
response 3497116

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:14
Operator : MJB
Sample : A0J0472-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:27:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
8.149min 0.438 ng/mL m
response 939456

MJB 10/27/20

(29) 2,4'-DDT #2
8.674min 0.866 ng/mL
response 2084876

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:14
 Operator : MJB
 Sample : A0J0472-05RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

MI

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:27:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.657	5.962	207.0E6	157.2E6	58.531	39.288 #
22) S DCBP (S)	9.880	10.473	112.1E6	109.9E6	44.738	45.429
Target Compounds						
2) a-BHC	6.215	6.587	1420637	3349238	0.302	0.626 #
3) g-BHC	6.488	6.901	3970564	5665710	0.987	1.218
4) b-BHC	6.571	6.941	11048096	2597836	7.078	1.328 #
5) Heptachlor	6.919	7.255	1435752	6601591	0.354	1.442 #
6) d-BHC	6.745	7.191	2111692	4359257	0.746	1.146 #
7) Aldrin	7.161	7.545f	1631086	2391030	0.415	0.560 #
8) Heptachlo...	7.635	7.959	2782833	1904548	0.761	0.474 #
9) trans-Chl...	7.714	8.097	1537182	3497116	0.417	0.879 #
10) cis-Chlor...	7.784f	8.192	1408012	4732420	0.389	1.220 #
11) Endosulfa...	7.911	8.258	1596771	2529868	0.469	0.703 #
12) 4,4'-DDE	7.846	8.290	4327699	5302627	1.373	1.610
13) Dieldrin	8.064	8.416f	1153458	15414090	0.307	4.025 #
14) Endrin	8.280f	8.674	18985248	2084876	6.923	0.832 #
15) 4,4'-DDD	8.280	8.703	18985248	9184796	6.981	3.196 #
16) Endosulfa...	8.402	8.840f	1048277	4410395	0.356	1.355 #
17) 4,4'-DDT	8.473	8.927	1520584	3101923	0.641	1.211 #
18) Endrin Al...	8.703	9.055	1616593	8410650	0.269	2.610 #
19) Endosulfa...	9.006	9.244	3680499	2569198	1.232	0.773 #
20) Methoxychlor	8.785f	9.387	6188532	3163923	4.496	2.198 #
21) Endrin Ke...	9.236	9.627	851487	2518491	0.230	0.645 #
23) Hexachlor...	3.462	3.710f	2915598	1329606	0.715	0.176 #
24) Hexachlor...	6.049	6.442	3320575	152.4E6	0.993	38.289 #
25) Oxychlorane	7.540	7.896	1952795	2997806	0.605	0.852 #
26) 2,4'-DDE	7.596	8.097	2623259	3497116	1.233	1.441
27) trans-Non...	7.784	8.134f	1408012	3062331	0.390	0.777 #
28) 2,4'-DDD	7.973	8.416f	3324345	15414090	1.730	7.487 #
29) 2,4'-DDT	8.176	8.674	677338	2084876	0.316	0.866 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:14
 Operator : MJB
 Sample : A0J0472-05RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:27:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

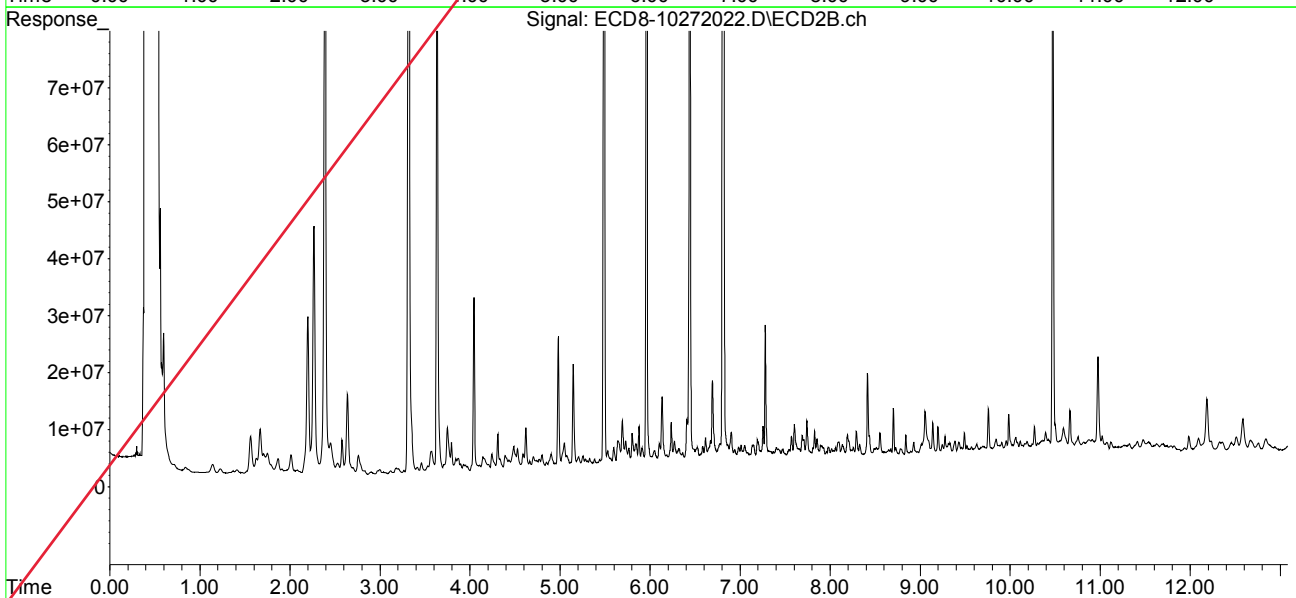
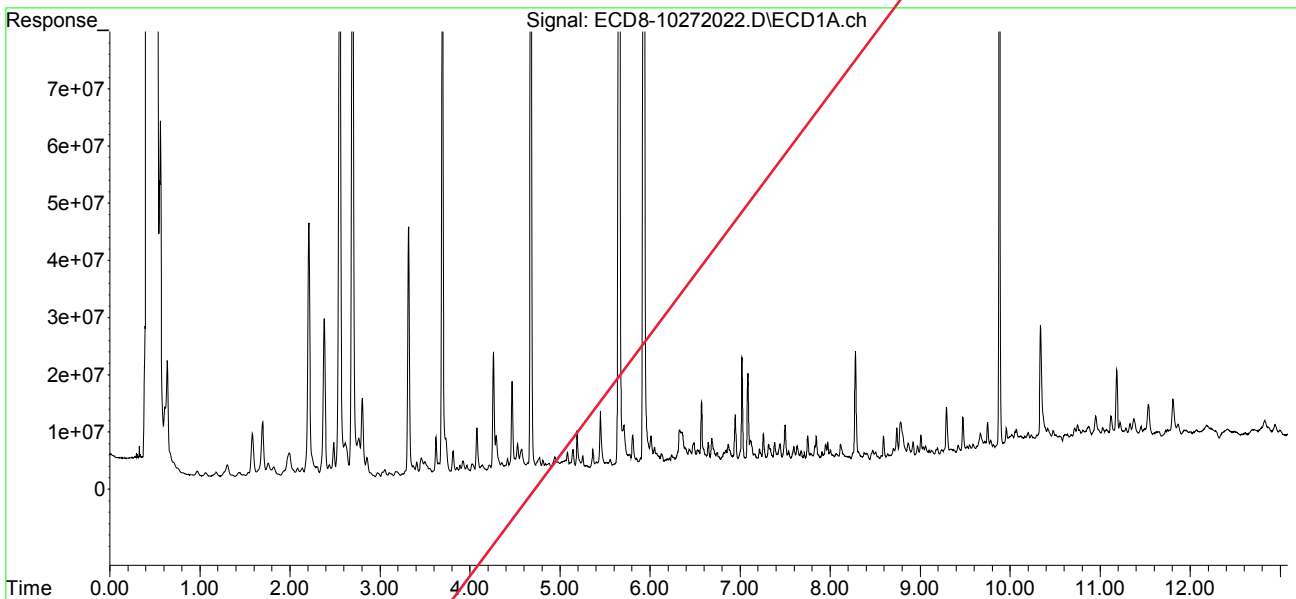
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.280	8.727	18985248	2293432	4.814	0.536 #
31)	Mirex	8.971f	9.627	1798390	2518491	0.461	0.722 #
32)	Chlordane...	7.714	8.097	1537182	3497116	3.731	7.179 #
33)	Chlordane...	7.846f	8.234	4327699	2016734	10.325	4.871 #
34)	Chlordane...	8.378	8.873	1173297	1337100	9.098	9.886
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.784	8.416f	1408012	15414090	94.645	405.575 #
37)	Toxaphene...	8.115	8.781	2789131	2010561	84.676	42.647 #
38)	Toxaphene...	8.402	8.840	1048277	4410395	15.122	62.708 #
39)	Toxaphene...	8.663	8.894	478561	1500281	6.430	12.593 #
40)	Toxaphene...	8.867f	9.055	2456414	8410650	41.379	122.087 #
41)	Toxaphene...	8.971	9.429	1798390	2918661	26.712	38.977 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:14
Operator : MJB
Sample : A0J0472-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:27:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:31
 Operator : MJB
 Sample : A0J0472-06RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:57:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653	5.962	407.6E6	195.3E6	115.247	S-0248.815 #
22) S DCBP (S)	9.877	10.471	131.7E6	130.0E6	52.565	53.716
Target Compounds						
2) a-BHC	6.221	6.567	10719013	14116771	2.275	2.639
3) g-BHC	6.523	6.897	15044860	21190073	3.738	4.557
4) b-BHC	6.599	6.955	15522928	14057160	9.945	7.184 #
5) Heptachlor	6.911	7.252	7168062	27328764	1.766	5.971 #
6) d-BHC	6.738	7.184	17874578	27333518	5.824	6.763
7) Aldrin	7.162	7.538	10347710	11179119	2.634	2.619
8) Heptachlo...	7.604	7.985f	9609416	9158640	2.628	2.281
9) trans-Chl...	7.712	8.096	8258734	12666998	2.243	3.183 #
10) cis-Chlor...	7.824	8.189	8093983	11163968	2.235	2.878 #
11) Endosulfa...	7.903	8.257	4272333	8022689	1.256	2.231 #
12) 4,4'-DDE	7.844	8.289	8195602	9294158	2.601m	R-02 2.778 P-01
13) Dieldrin	8.069	8.414f	6787898	14328692	1.807	3.745 #
14) Endrin	8.277f	8.674	14462909	5665089	5.274	2.209 #
15) 4,4'-DDD	8.277	8.701	14462909	9433367	5.318	3.282m# R-02
16) Endosulfa...	8.414	8.845f	3360044	5136363	1.141	1.578 #
17) 4,4'-DDT	8.472	8.927	18822853	21762780	7.476	7.968
18) Endrin Al...	8.736f	9.052	14576663	22179276	4.836	7.302 #
19) Endosulfa...	9.004	9.243	3614110	5189915	1.209	1.562 #
20) Methoxychlor	8.781f	9.386	17822621	6372342	12.947	4.460 #
21) Endrin Ke...	9.230	9.624	2254556	4487895	0.610	1.149 #
23) Hexachlor...	3.436f	3.706	8822555	30859956	2.605	8.192 #
24) Hexachlor...	6.048	6.442	12275031	387.1E6	3.670	97.260 #
25) Oxychlorane	7.553	7.893	5773206	14817270	1.788	4.210 #
26) 2,4'-DDE	7.604	8.096	9609416	12666998	4.518	R-02 5.220 P-01
27) trans-Non...	7.782	8.131f	8630452	11431854	2.389	2.899
28) 2,4'-DDD	7.987	8.429f	5823905	6859989	3.031	R-02 3.251m P-01
29) 2,4'-DDT	8.175	8.674	9054877	5665089	4.219m	2.600 # R-02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:31
 Operator : MJB
 Sample : A0J0472-06RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:57:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

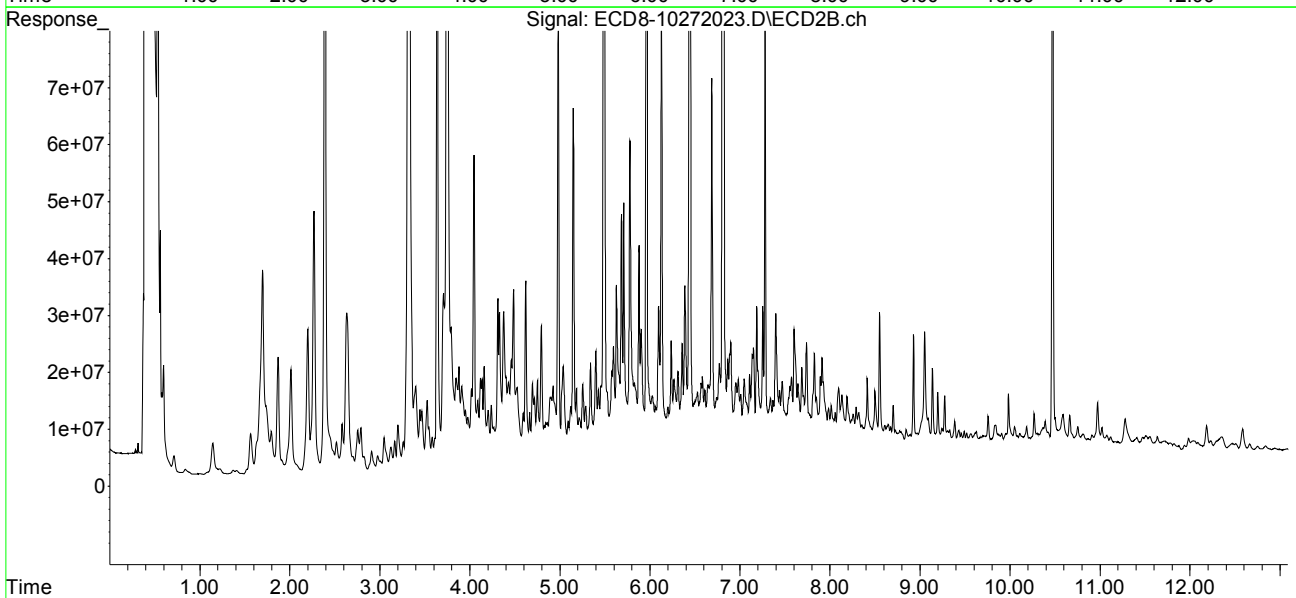
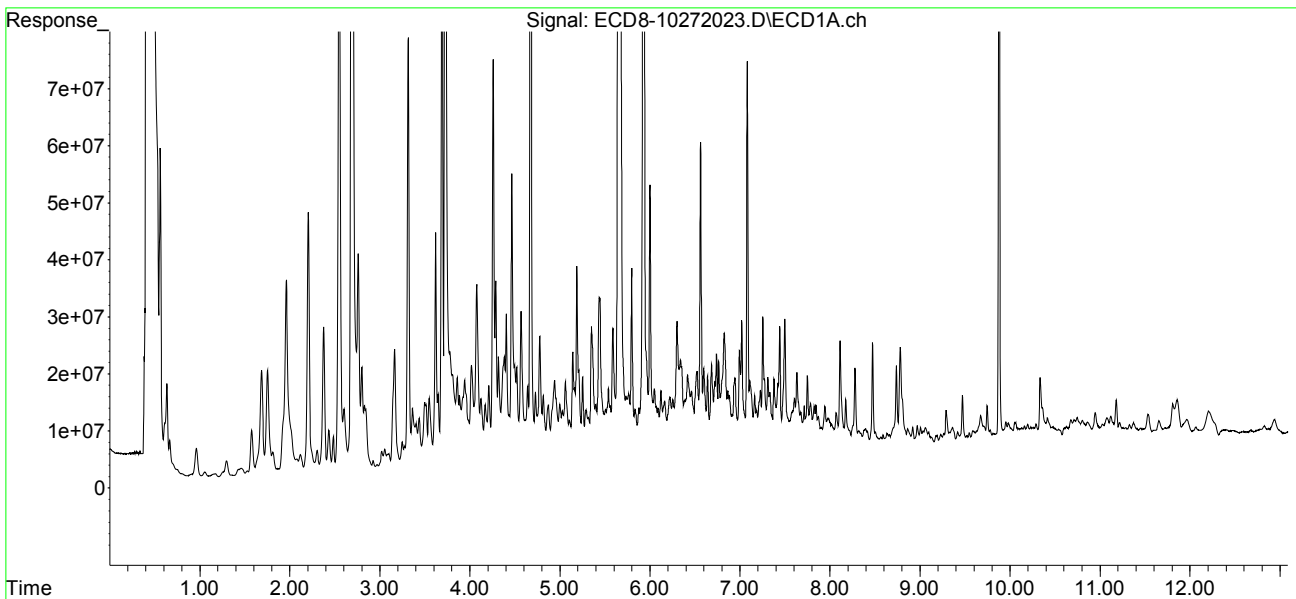
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.277	8.725	14462909	5078573	3.667	1.187 #
31)	Mirex	8.969f	9.624	3950105	4487895	1.382	1.556
32)	Chlordane...	7.712	8.096	8258734	12666998	20.048	26.003 #
33)	Chlordane...	7.824	8.236	8093983	7049808	19.310	17.028
34)	Chlordane...	8.394	8.889	3777656	4202373	29.294	31.071
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.782f	8.414f	8630452	14328692	580.129	377.016 #
37)	Toxaphene...	8.111	8.776	19342168	4856364	587.218	103.010 #
38)	Toxaphene...	8.414	8.845f	3360044	5136363	48.469	73.030 #
39)	Toxaphene...	8.656	8.889	2614724	4202373	35.134	35.275
40)	Toxaphene...	8.917f	9.052	3680000	22179276	61.991	321.950 #
41)	Toxaphene...	8.969	9.429	3950105	4770698	58.672	63.710
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:31
Operator : MJB
Sample : A0J0472-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

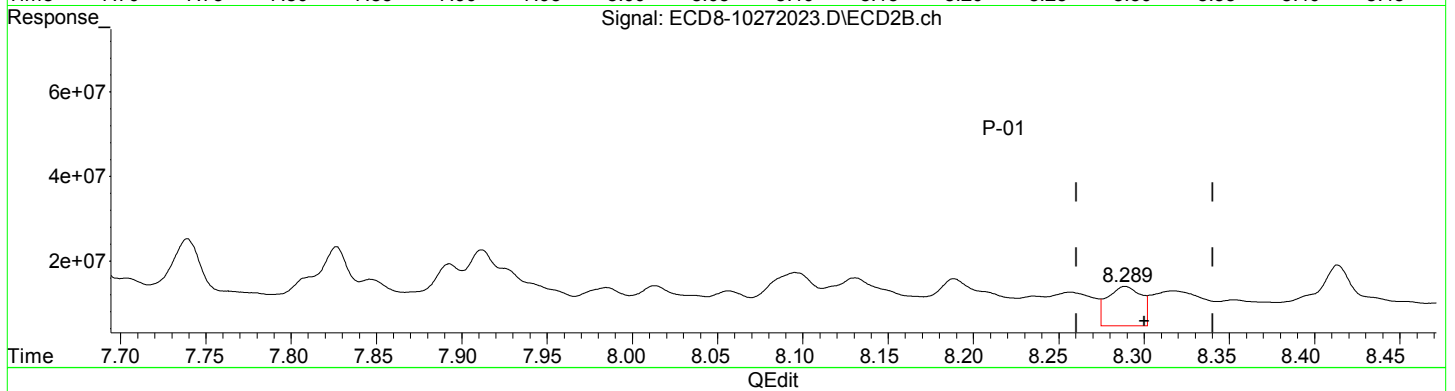
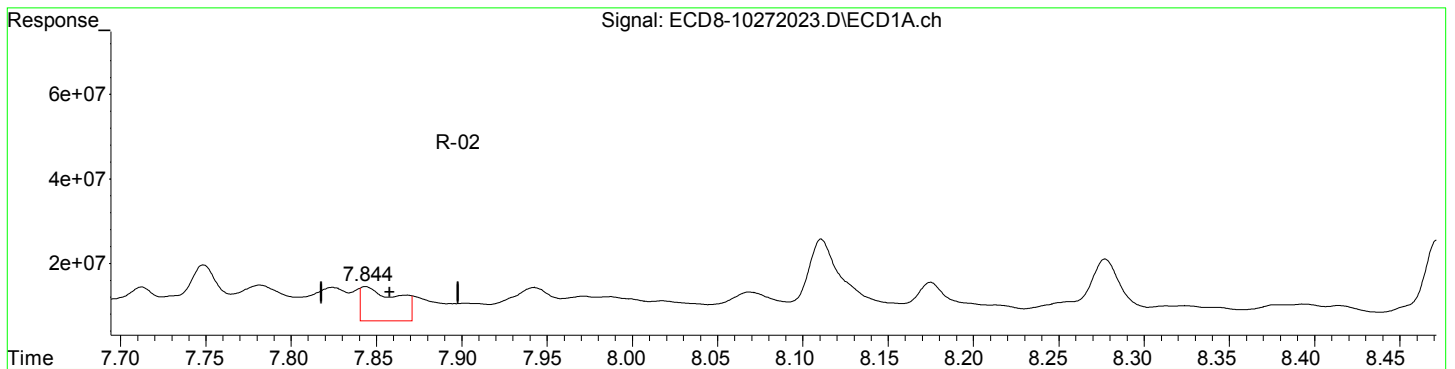
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:57:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:31
Operator : MJB
Sample : A0J0472-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:57:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE
7.844min 2.601 ng/mL m
response 8195602

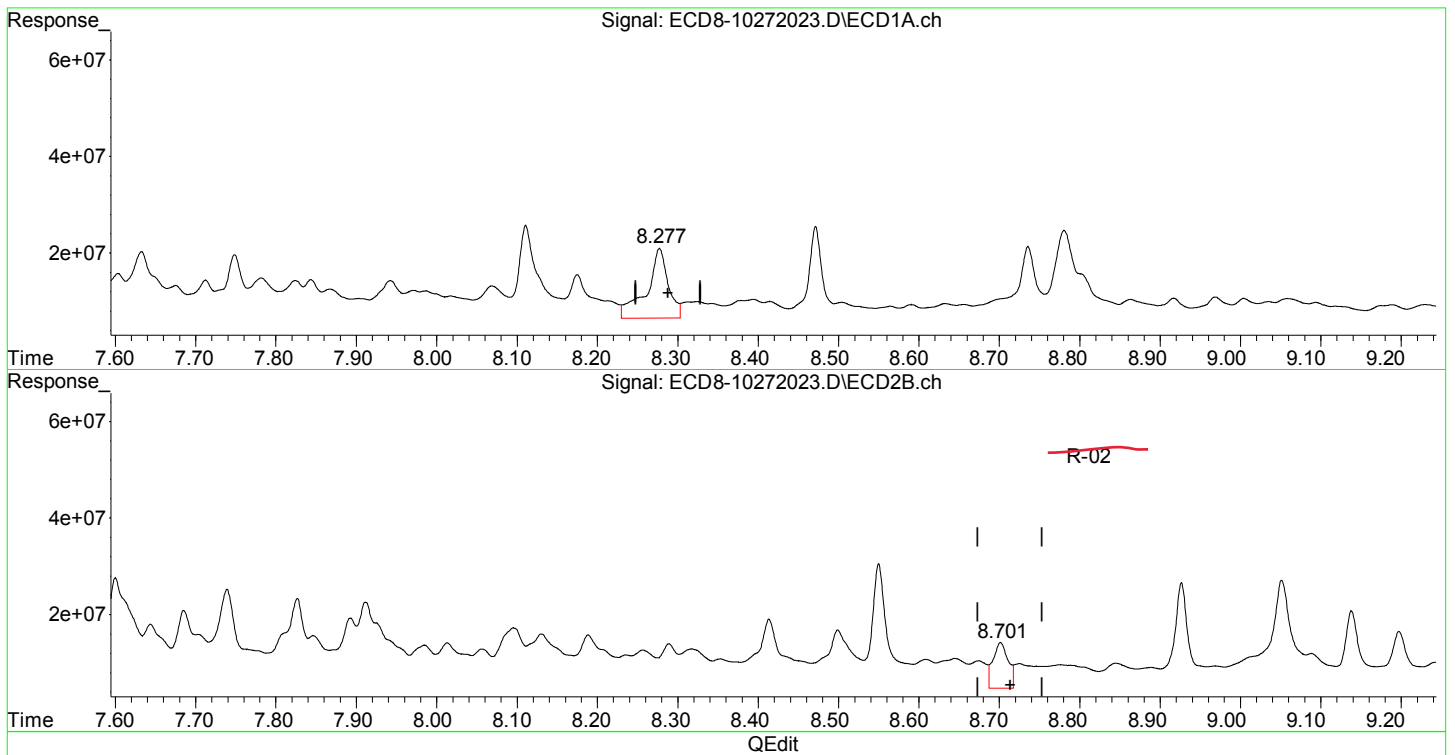
MJB 10/27/20

(12) 4,4'-DDE #2
8.289min 2.778 ng/mL
response 9294158

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:31
Operator : MJB
Sample : A0J0472-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:57:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD
8.277min 5.318 ng/mL
response 14462909

MJB 10/27/20

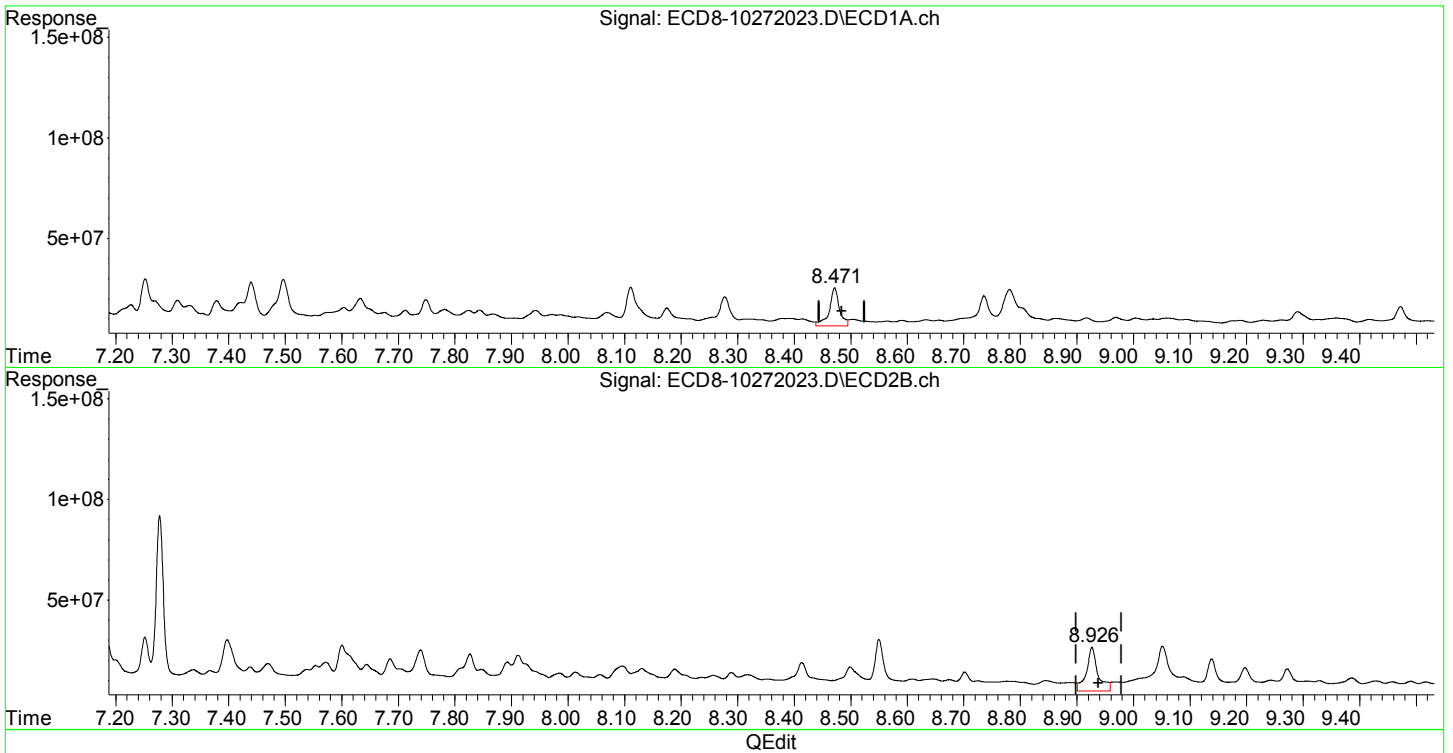
(15) 4,4'-DDD #2
8.701min 3.282 ng/mL m
response 9433367

Report P-11 10/29/2020 MKZ

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:31
Operator : MJB
Sample : A0J0472-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:57:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
8.472min 7.476 ng/mL
response 18822853

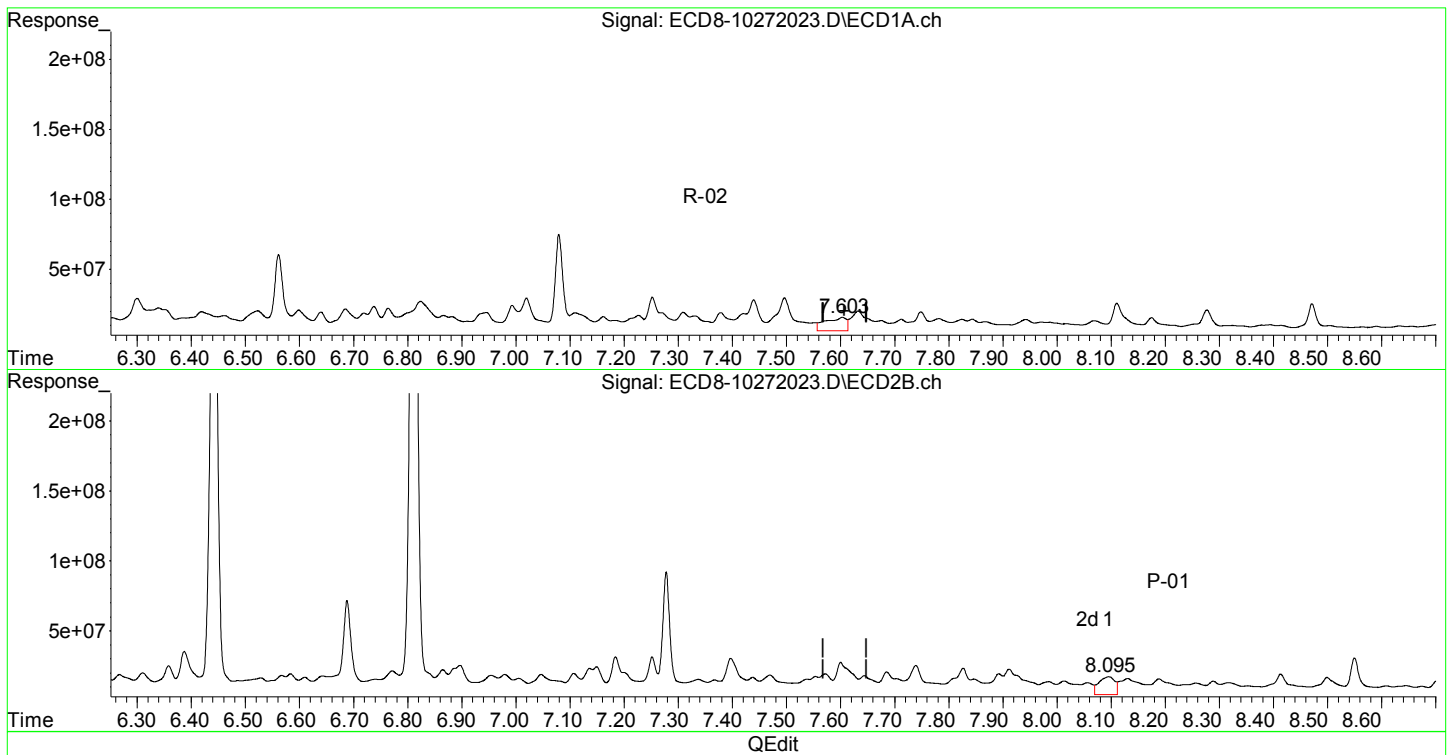
MJB 10/27/20

(17) 4,4'-DDT #2
8.927min 7.968 ng/mL
response 21762780

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:31
Operator : MJB
Sample : A0J0472-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:57:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE
7.604min 4.518 ng/mL
response 9609416

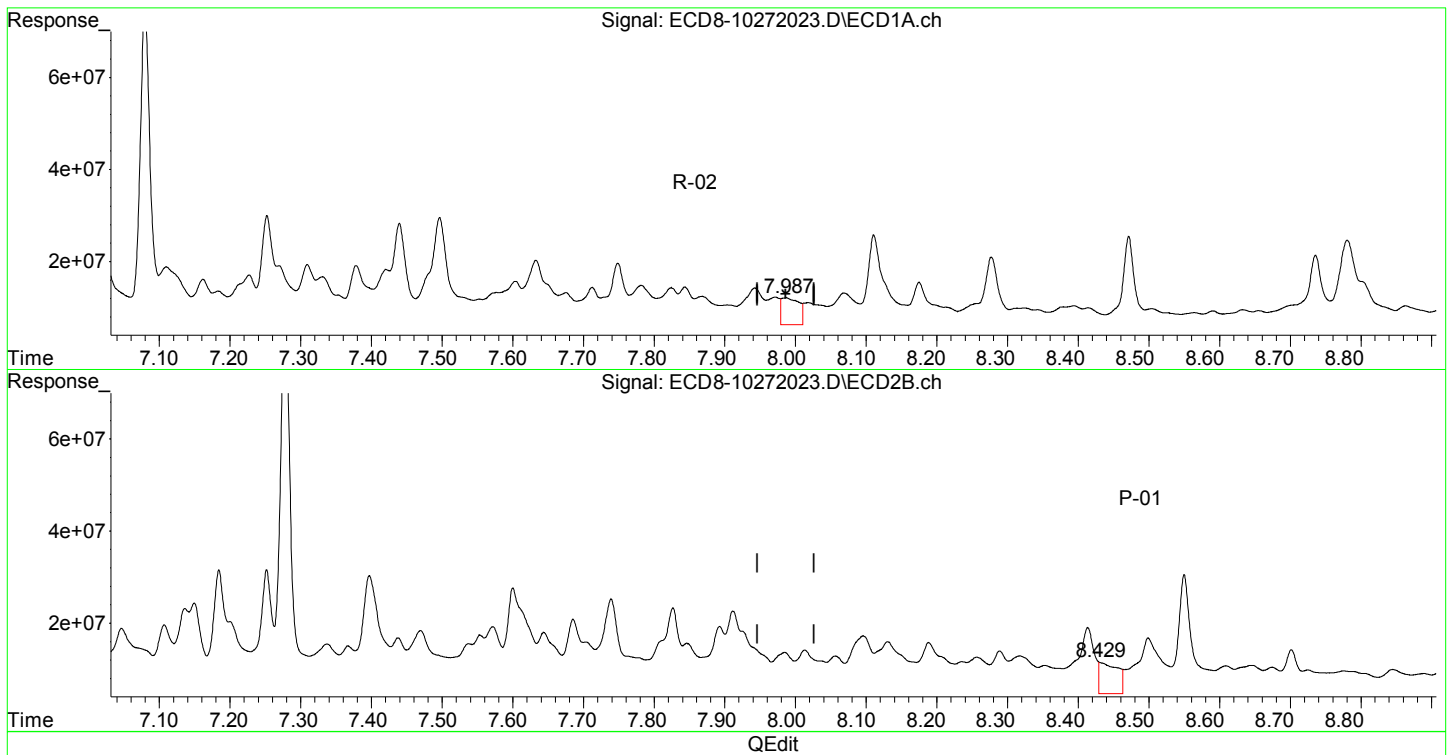
MJB 10/27/20

(26) 2,4'-DDE #2
8.096min 5.220 ng/mL
response 12666998

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:31
Operator : MJB
Sample : A0J0472-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:57:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
7.987min 3.031 ng/mL
response 5823905

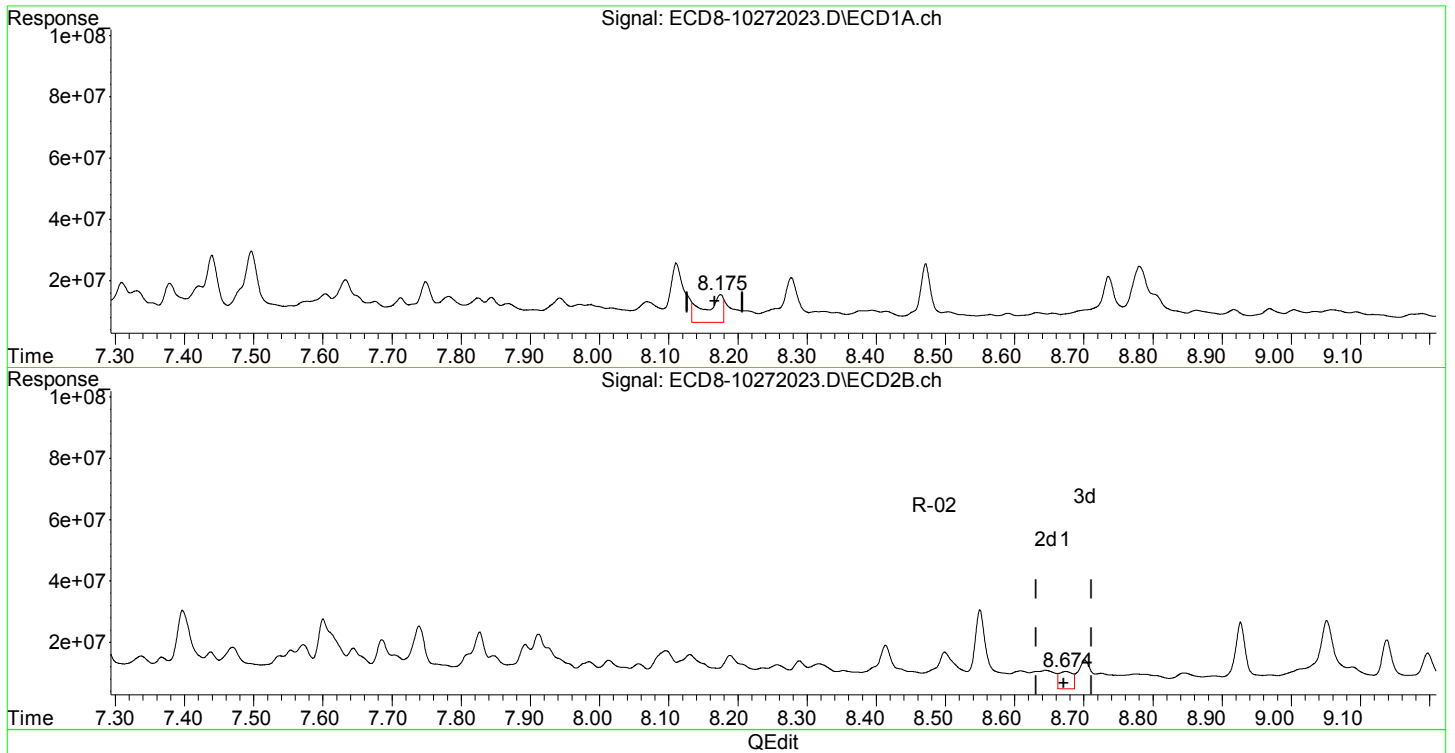
MJB 10/27/20

(28) 2,4'-DDD #2
8.429min 3.251 ng/mL m
response 6859989

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:31
Operator : MJB
Sample : A0J0472-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:57:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
8.175min 4.219 ng/mL m
response 9054877

MJB 10/27/20

(29) 2,4'-DDT #2
8.674min 2.600 ng/mL
response 5665089

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:31
 Operator : MJB
 Sample : A0J0472-06RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

MI

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:57:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653	5.962	407.6E6	195.3E6	115.247	48.815 #
22) S DCBP (S)	9.877	10.471	131.7E6	130.0E6	52.565	53.716
Target Compounds						
2) a-BHC	6.221	6.567	10719013	14116771	2.275	2.639
3) g-BHC	6.523	6.897	15044860	21190073	3.738	4.557
4) b-BHC	6.599	6.955	15522928	14057160	9.945	7.184 #
5) Heptachlor	6.911	7.252	7168062	27328764	1.766	5.971 #
6) d-BHC	6.738	7.184	17874578	27333518	5.824	6.763
7) Aldrin	7.162	7.538	10347710	11179119	2.634	2.619
8) Heptachlo...	7.604	7.985f	9609416	9158640	2.628	2.281
9) trans-Chl...	7.712	8.096	8258734	12666998	2.243	3.183 #
10) cis-Chlor...	7.824	8.189	8093983	11163968	2.235	2.878 #
11) Endosulfa...	7.903	8.257	4272333	8022689	1.256	2.231 #
12) 4,4'-DDE	7.868	8.289	6219927	9294158	1.974	2.778 #
13) Dieldrin	8.069	8.414f	6787898	14328692	1.807	3.745 #
14) Endrin	8.277f	8.674	14462909	5665089	5.274	2.209 #
15) 4,4'-DDD	8.277	8.725	14462909	5078573	5.318	1.773 #
16) Endosulfa...	8.414	8.845f	3360044	5136363	1.141	1.578 #
17) 4,4'-DDT	8.472	8.927	18822853	21762780	7.476	7.968
18) Endrin Al...	8.736f	9.052	14576663	22179276	4.836	7.302 #
19) Endosulfa...	9.004	9.243	3614110	5189915	1.209	1.562 #
20) Methoxychlor	8.781f	9.386	17822621	6372342	12.947	4.460 #
21) Endrin Ke...	9.230	9.624	2254556	4487895	0.610	1.149 #
23) Hexachlor...	3.436f	3.706	8822555	30859956	2.605	8.192 #
24) Hexachlor...	6.048	6.442	12275031	387.1E6	3.670	97.260 #
25) Oxychlorane	7.553	7.893	5773206	14817270	1.788	4.210 #
26) 2,4'-DDE	7.604	8.096	9609416	12666998	4.518	5.220
27) trans-Non...	7.782	8.131f	8630452	11431854	2.389	2.899
28) 2,4'-DDD	7.987	8.414f	5823905	14328692	3.031	6.952 #
29) 2,4'-DDT	8.175	8.674	9036040	5665089	4.211	2.600 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:31
 Operator : MJB
 Sample : A0J0472-06RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 18:57:00 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

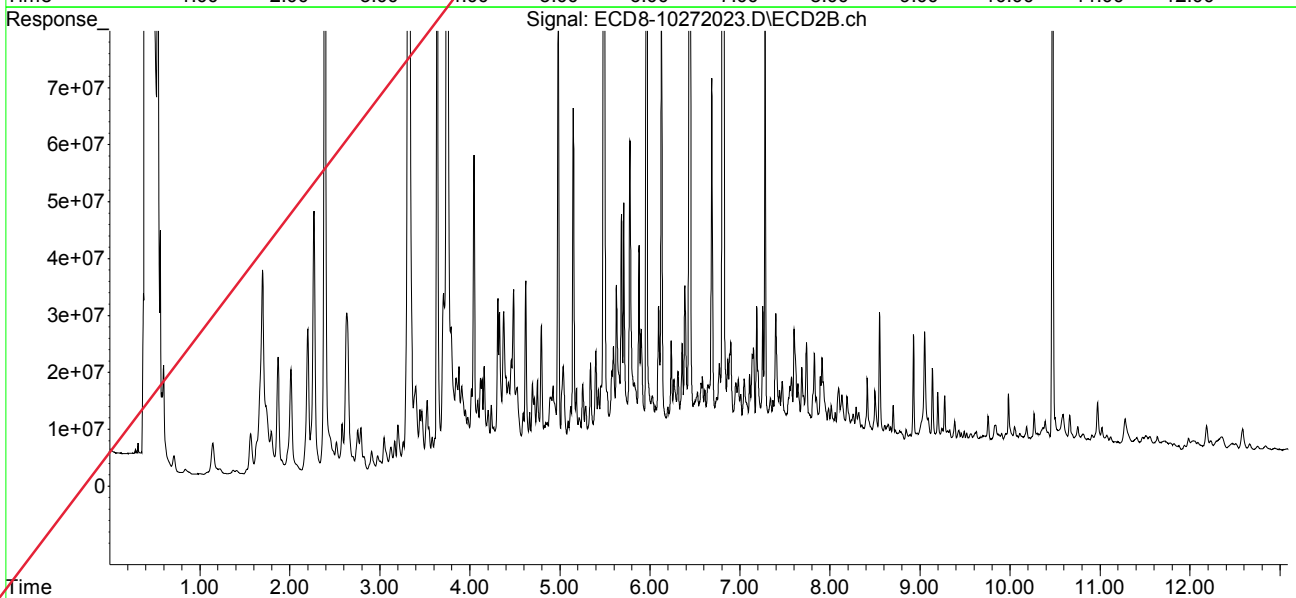
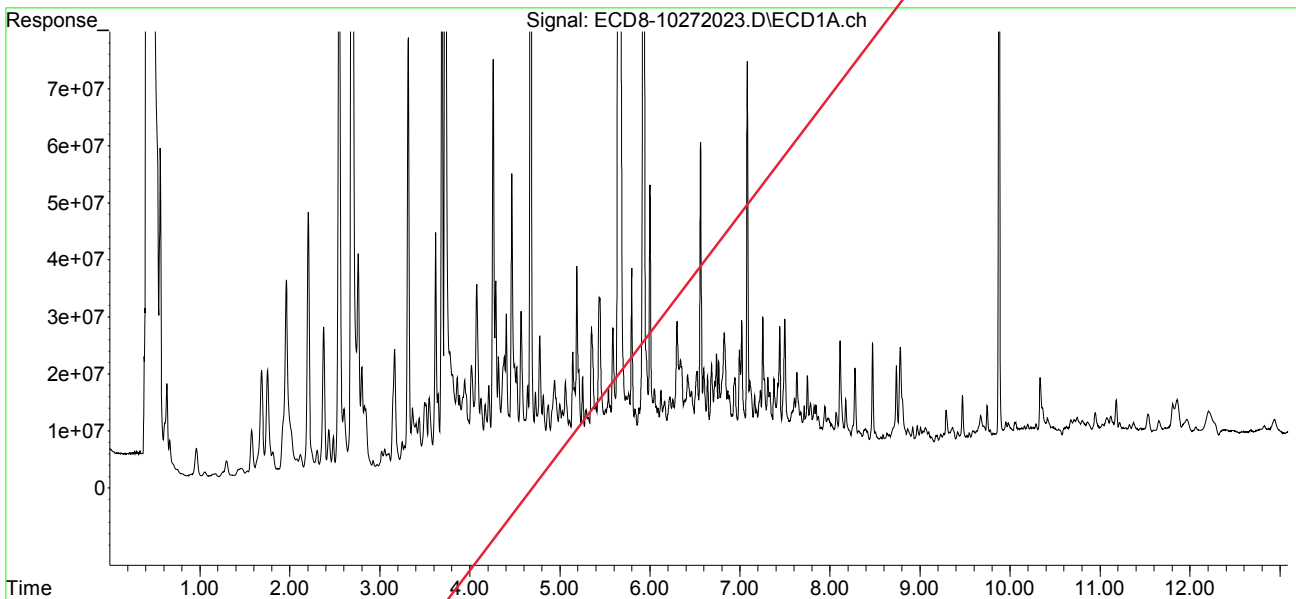
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.277	8.725	14462909	5078573	3.667	1.187 #
31)	Mirex	8.969f	9.624	3950105	4487895	1.382	1.556
32)	Chlordane...	7.712	8.096	8258734	12666998	20.048	26.003 #
33)	Chlordane...	7.824	8.236	8093983	7049808	19.310	17.028
34)	Chlordane...	8.394	8.889	3777656	4202373	29.294	31.071
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.782f	8.414f	8630452	14328692	580.129	377.016 #
37)	Toxaphene...	8.111	8.776	19342168	4856364	587.218	103.010 #
38)	Toxaphene...	8.414	8.845f	3360044	5136363	48.469	73.030 #
39)	Toxaphene...	8.656	8.889	2614724	4202373	35.134	35.275
40)	Toxaphene...	8.917f	9.052	3680000	22179276	61.991	321.950 #
41)	Toxaphene...	8.969	9.429	3950105	4770698	58.672	63.710
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:31
Operator : MJB
Sample : A0J0472-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 18:57:00 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:48
 Operator : MJB
 Sample : 0100835-MS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

MJB 10/27/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 19:04:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.657	5.962	183.0E6	171.3E6	51.752	42.820
22) S DCBP (S)	9.877	10.470	120.1E6	114.9E6	47.915	47.495
Target Compounds						
2) a-BHC	6.214	6.586	3188968	4539887	0.677	0.849 #
3) g-BHC	6.529f	6.898	3785619	6206859	0.941	1.335 #
4) b-BHC	6.598	6.939	9533489	3519439	6.108	1.799 #
5) Heptachlor	6.918	7.254	1936428	9843117	0.477	2.151 #
6) d-BHC	6.744	7.203	2469942	8993861	0.862	2.289 #
7) Aldrin	7.157	0.000	3115265	0	0.793	N.D. #
8) Heptachlo...	7.631	7.958	6655478	4564636	1.820	1.137 #
9) trans-Chl...	7.712	8.066f	1885278	129.1E6	0.512	32.447 #
10) cis-Chlor...	7.783f	8.192	3032459	5594223	0.837	1.442 #
11) Endosulfa...	7.908	8.258	1215964	4007704	0.358	1.114 #
12) 4,4'-DDE	7.845	8.289	184.6E6	208.6E6	58.587	R-02 55.104
13) Dieldrin	8.071	8.437	1425765	124.6E6	0.380	31.181 #
14) Endrin	8.274f	8.659	155.4E6	110.1E6	56.659	39.174 #
15) 4,4'-DDD	8.274	8.702	155.4E6	174.7E6	57.131	54.882 R-02
16) Endosulfa...	8.399	8.842f	1065096	2385476	0.362	0.733 #
17) 4,4'-DDT	8.471	8.927	130.6E6	149.4E6	47.962	RPT 48.811
18) Endrin Al...	8.736f	9.054	9024824	10927545	2.880	3.471
19) Endosulfa...	9.005	9.273f	1121276	6355607	0.375	1.913 #
20) Methoxychlor	8.786f	9.386	6883863	3555217	5.001	2.475 #
21) Endrin Ke...	9.231	9.625	1033159	2523042	0.279	0.646 #
23) Hexachlor...	3.449	0.000	7817661	0	2.284	N.D. #
24) Hexachlor...	6.050	6.442	3822680	89684136	1.143	22.534 #
25) Oxychlorane	0.000	7.874	0	2782052	N.D.	0.790 #
26) 2,4'-DDE	7.592	8.066	117.5E6	129.1E6	55.235	R-02 53.221
27) trans-Non...	7.783	8.149	3032459	3971577	0.839	1.007
28) 2,4'-DDD	7.972	8.437	113.3E6	124.6E6	58.969	R-02 58.126
29) 2,4'-DDT	8.153	8.659	100.4E6	110.1E6	46.802	48.557 R-02

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 17:48
 Operator : MJB
 Sample : 0100835-MS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 27 19:04:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

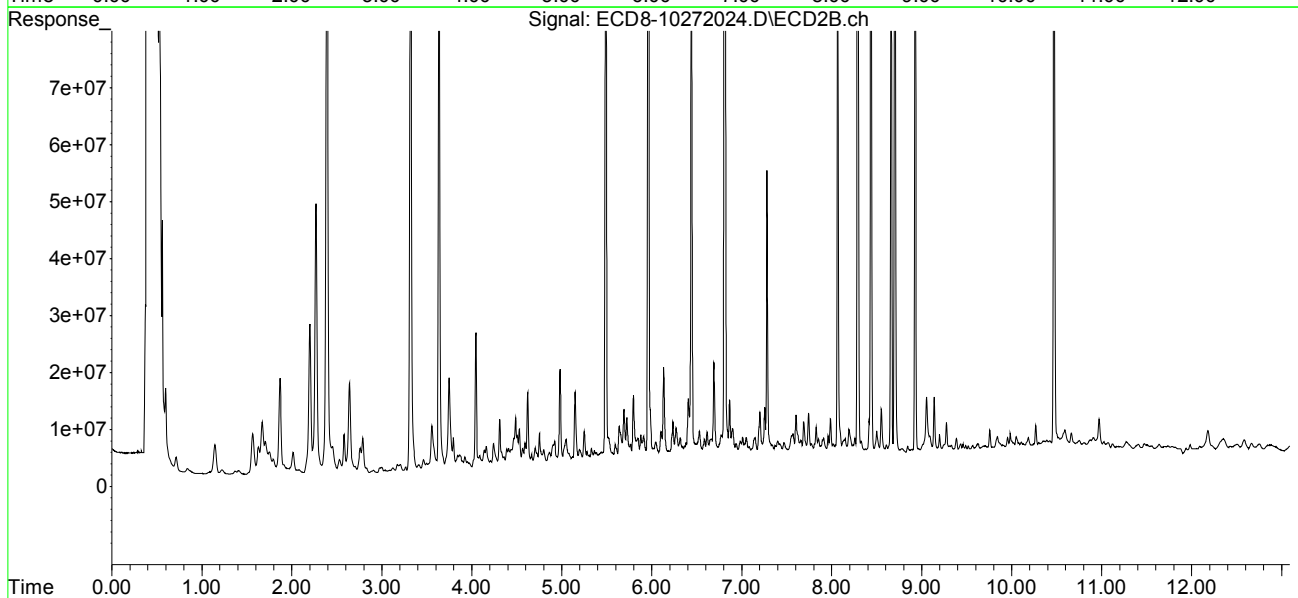
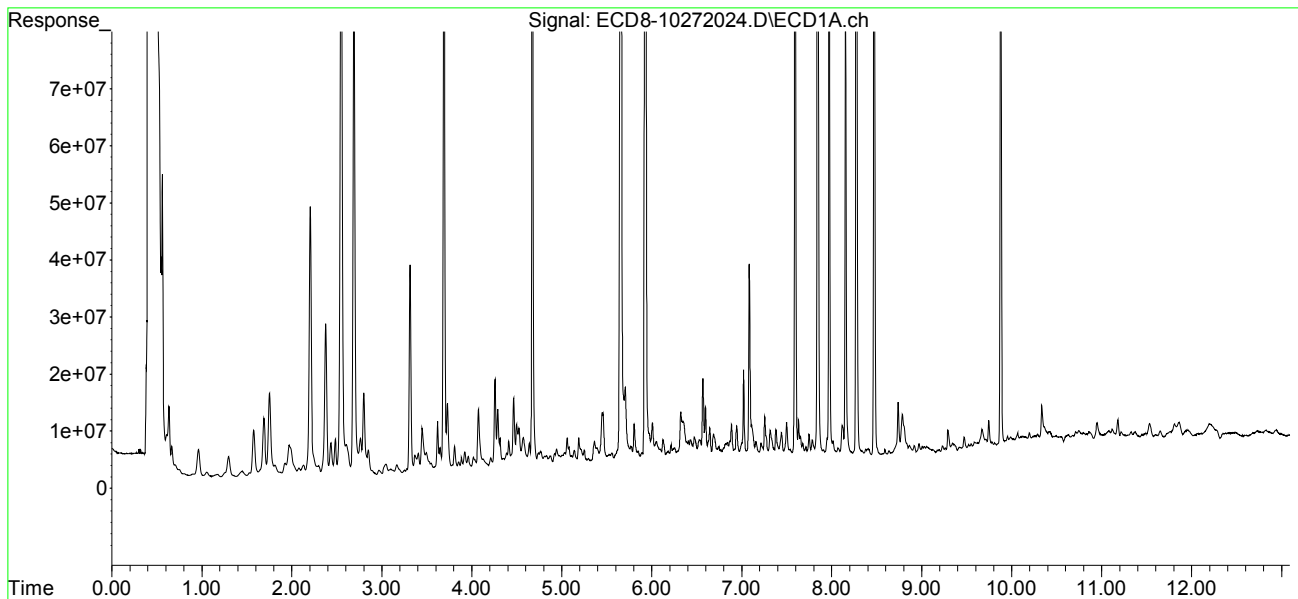
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.274	8.702	155.4E6	174.7E6	39.400	40.827
31)	Mirex	8.970f	9.625	1633034	2523042	0.390	0.724 #
32)	Chlordane...	7.712	8.149f	1885278	3971577	4.576	8.153 #
33)	Chlordane...	7.845f	8.236f	184.6E6	2866850	440.434	6.925 #
34)	Chlordane...	8.376	8.893f	1019520	1821967	7.906	13.471 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.783f	8.437	3032459	124.6E6	203.838	3278.623 #
37)	Toxaphene...	8.115	8.778	5304152	2008058	161.031	42.594 #
38)	Toxaphene...	8.399f	8.842	1065096	2385476	15.364	33.917 #
39)	Toxaphene...	8.635f	8.893	609100	1821967	8.185	15.294 #
40)	Toxaphene...	8.916f	9.054	1311631	10927545	22.095	158.622 #
41)	Toxaphene...	8.970	9.431	1633034	2554503	24.256	34.114 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 17:48
Operator : MJB
Sample : 0100835-MS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 Sample Multiplier: 1

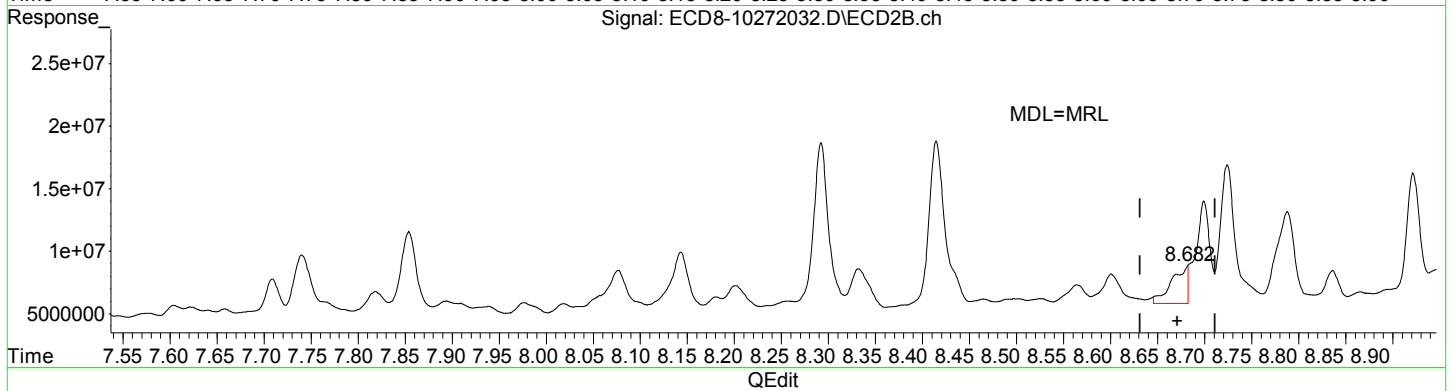
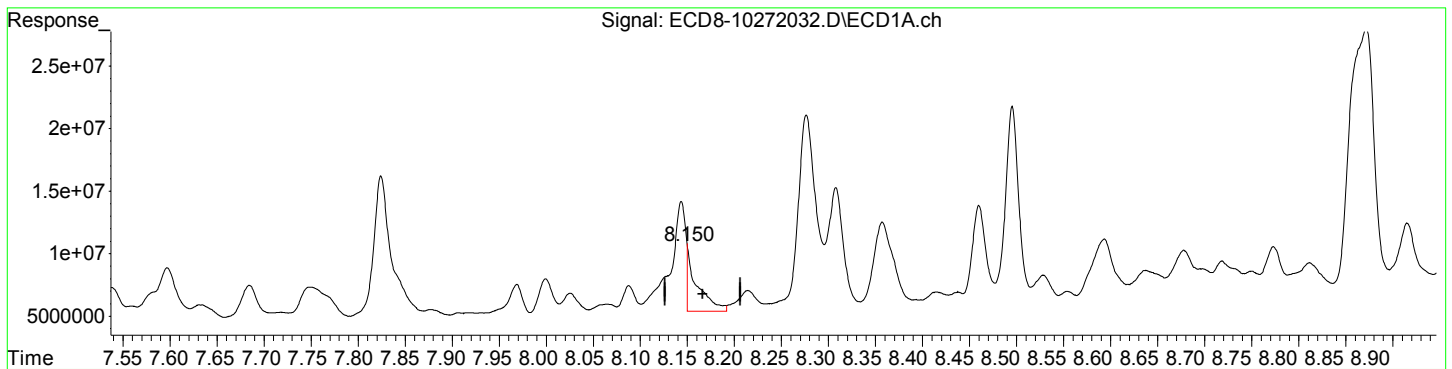
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 27 19:04:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 20:11
Operator : MJB
Sample : A0J0494-05RE1@2-
Misc : ~~2x~~, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 28 12:07:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
8.150min 2.529 ng/mL m
response 5427169

MJB 10/28/20

(29) 2,4'-DDT #2
8.682min 1.329 ng/mL m
response 3038615

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 20:11
 Operator : MJB
 Sample : A0J0494-05RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 27 Sample Multiplier: 1

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MJB 10/28/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:07:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.658	5.962	131.4E6	142.3E6	37.151	35.574
22) S DCBP (S)	9.874	10.499	117.4E6	56362933	46.839	23.297 #
Target Compounds						
2) a-BHC	6.210	6.568	664062	190859	0.141	0.036 #
3) g-BHC	6.508	6.891	885455	558918	0.220	0.120 #
4) b-BHC	6.596	6.941	1237422	2073679	0.793	1.060 #
5) Heptachlor	6.900	7.257	2153432	1975850	0.531	0.432
6) d-BHC	6.737	7.206	1072279	1831267	0.407	0.521 #
7) Aldrin	7.138	7.527	932948	873051	0.238	0.204
8) Heptachlo...	7.632	7.939	1105538	582167	0.302	0.145 #
9) trans-Chl...	7.718	8.077	445370	3320691	0.121	0.834 #
10) cis-Chlor...	7.824	8.201	11201147	1948821	3.092	0.502 #
11) Endosulfa...	7.907	8.256	147088	690696	0.043	0.192 #
12) 4,4'-DDE	7.878	8.292	457603	13308167	0.145	3.948 #
13) Dieldrin	8.088	8.465	1989095	633692	0.529	0.182 #
14) Endrin	8.277f	8.699f	15273329	8204025	5.569	3.180 #
15) 4,4'-DDD	8.277	8.724	15273329	11075660	5.616	3.848 #
16) Endosulfa...	8.415	8.836	849066	2507772	0.288	0.770 #
17) 4,4'-DDT	8.496	8.946	15555404	2499785	6.199	0.989 #
18) Endrin Al...	8.719	9.037	2730395	11338365	0.662	3.611 #
19) Endosulfa...	9.004	9.241	100.4E6	18717370	33.580	5.633 #
20) Methoxychlor	8.812	9.387	2429856	3721938	1.765	2.593 #
21) Endrin Ke...	9.224	9.621	4474070	11675335	1.210	2.989 #
23) Hexachlor...	3.450	3.708f	867664	522824	0.059	BelowCal #
24) Hexachlor...	6.066	6.441	1448253	22145740	0.433	5.564 #
25) Oxychlorane	7.539	7.894	2625396	1052553	0.813	0.299 #
26) 2,4'-DDE	7.597	8.077	4124414	3320691	1.939	1.368 #
27) trans-Non...	7.824f	8.143	11201147	4718189	3.100	1.197 #
28) 2,4'-DDD	8.000	8.465	2695671	633692	1.403	0.141 #
29) 2,4'-DDT	8.144f	8.699f	8603994	8204025	4.009	3.823

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 20:11
 Operator : MJB
 Sample : A0J0494-05RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:07:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

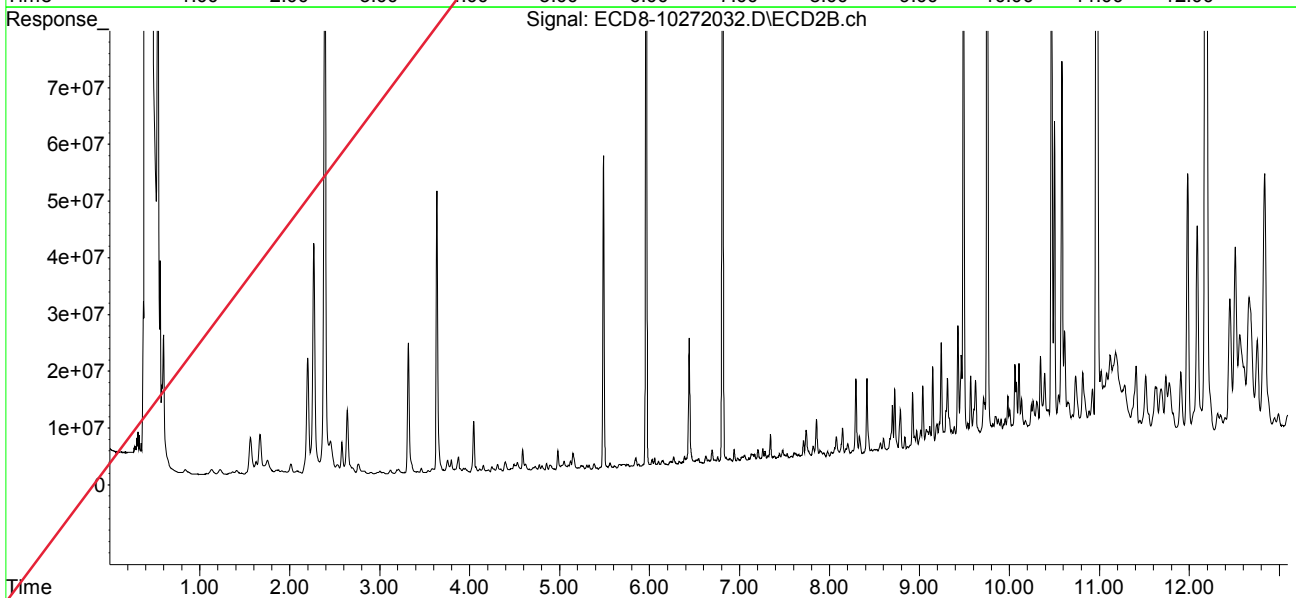
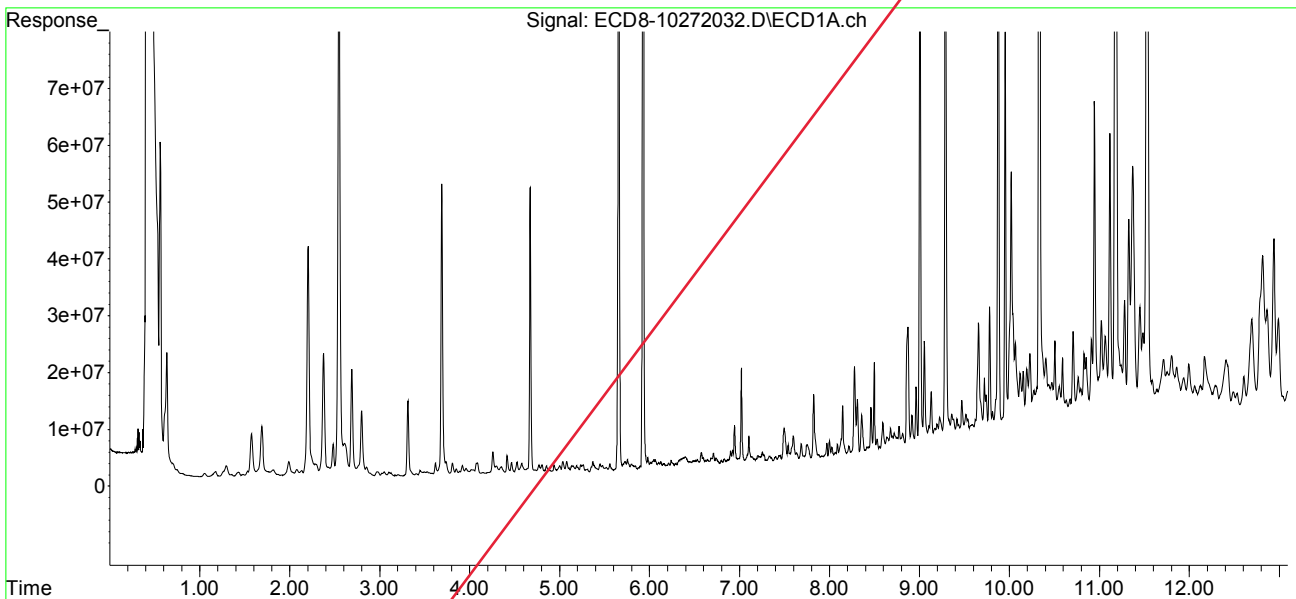
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.277	8.724	15273329	11075660	3.873	2.589 #
31)	Mirex	8.962	9.621	10351454	11675335	4.123	4.590
32)	Chlordane...	7.718	8.077f	445370	3320691	1.081	6.817 #
33)	Chlordane...	7.824	8.201	11201147	1948821	26.723	4.707 #
34)	Chlordane...	8.357f	8.866	6551738	794405	50.806	5.874 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.824f	8.465f	11201147	633692	752.929	16.674 #
37)	Toxaphene...	8.088	8.788	1989095	7290625	60.388	154.645 #
38)	Toxaphene...	8.415	8.836	849066	2507772	12.248	35.656 #
39)	Toxaphene...	8.637	8.866f	2147955	794405	28.862	6.668 #
40)	Toxaphene...	8.872f	9.076	21105347	3568331	355.529	51.797 #
41)	Toxaphene...	8.962	9.426	10351454	21472760	153.753	286.756 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 20:11
Operator : MJB
Sample : A0J0494-05RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 28 12:07:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 20:48
 Operator : MJB
 Sample : 0J27055-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

MJB 10/28/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:25:15 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.658	5.962	155.2E6	186.0E6	43.886	46.493
22) S DCBP (S)	9.876	10.469	128.8E6	126.8E6	51.382	52.409
Target Compounds						
2) a-BHC	6.210	6.556	225.4E6	280.5E6	47.839	52.447
3) g-BHC	6.496	6.871	183.5E6	235.9E6	45.588	50.728
4) b-BHC	6.580	6.939	60612906	85102487	38.833	43.495
5) Heptachlor	6.894	7.243	194.7E6	235.9E6	47.970	51.547
6) d-BHC	6.735	7.187	132.9E6	203.0E6	40.402	46.299
7) Aldrin	7.136	7.506	195.0E6	221.7E6	49.657	51.927
8) Heptachlo...	7.604	7.940	176.4E6	204.8E6	48.250	50.986
9) trans-Chl...	7.698	8.080	177.1E6	204.8E6	48.077	51.444
10) cis-Chlor...	7.795	8.187	172.6E6	198.5E6	47.652	51.174
11) Endosulfa...	7.899	8.236	162.0E6	183.8E6	47.630	51.097
12) 4,4'-DDE	7.851	8.292	149.7E6	187.0E6	47.514	49.907
13) Dieldrin	8.072	8.434	189.7E6	207.1E6	50.482	50.446
14) Endrin	8.242	8.658	129.9E6	143.3E6	47.354	49.882
15) 4,4'-DDD	8.281	8.705	130.5E6	166.0E6	47.969	52.399
16) Endosulfa...	8.403	8.805	138.6E6	156.9E6	47.043	48.194
17) 4,4'-DDT	8.475	8.928	109.9E6	137.0E6	40.899	45.184
18) Endrin Al...	8.699	9.039	129.0E6	150.9E6	45.133	49.545
19) Endosulfa...	9.003	9.233	141.2E6	162.6E6	47.242	48.941
20) Methoxychlor	8.808	9.393	53769024	70119058	39.060	46.009
21) Endrin Ke...	9.205	9.622	180.5E6	209.3E6	48.819	53.589
23) Hexachlor...	0.000	3.692	0	53481	N.D.	BelowCal
24) Hexachlor...	6.047	6.427	260614	14146	0.078	0.004 #
25) Oxychlorane	7.539	7.868	737042	71122	0.228	0.020 #
26) 2,4'-DDE	7.604	8.080	176.4E6	204.8E6	82.938	84.380
27) trans-Non...	7.795	8.144	172.6E6	963131	47.770	0.244 #
28) 2,4'-DDD	0.000	8.434	0	207.1E6	N.D.	92.961 #
29) 2,4'-DDT	8.153	8.658	646287	143.3E6	0.301	61.693 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 20:48
 Operator : MJB
 Sample : 0J27055-CCV5
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:25:15 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

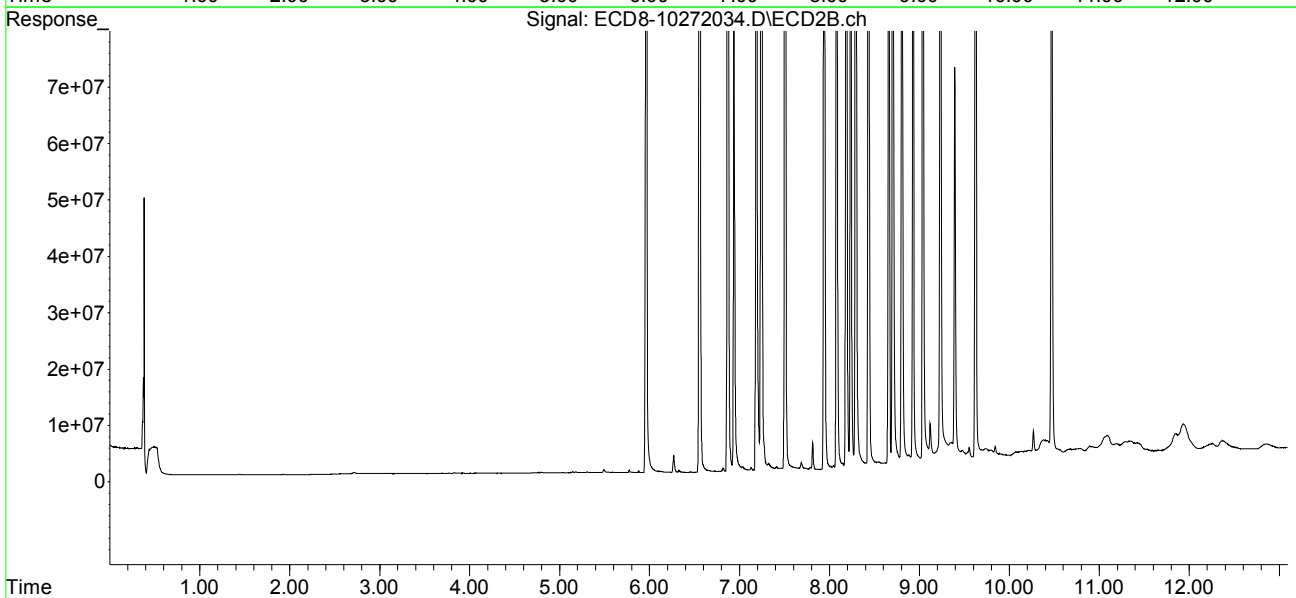
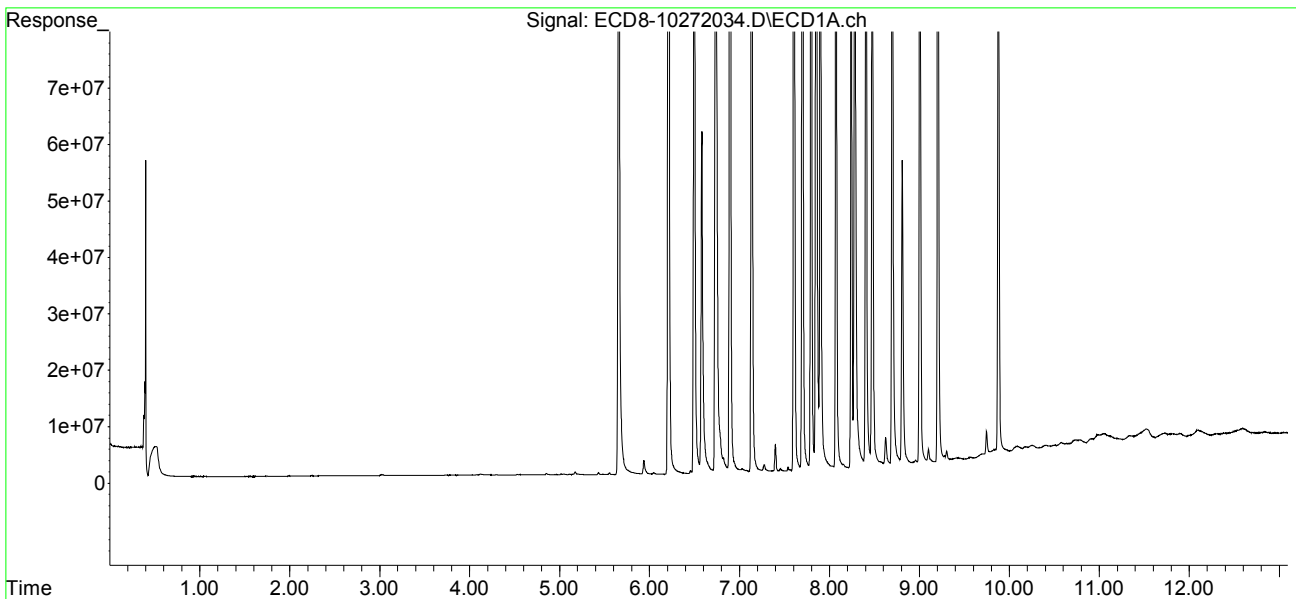
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.281	8.705	130.5E6	166.0E6	33.082	38.799
31)	Mirex	8.958	9.622	552547	209.3E6	BelowCal	83.466
32)	Chlordane...	7.698f	8.080f	177.1E6	204.8E6	429.787	420.327
33)	Chlordane...	7.795f	8.236f	172.6E6	183.8E6	411.790	443.871
34)	Chlordane...	8.403f	8.882	138.6E6	1881383	1074.489	13.910 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.795	8.434	172.6E6	207.1E6	11602.374	5449.822 #
37)	Toxaphene...	8.072f	8.805	189.7E6	156.9E6	5757.737	3328.485 #
38)	Toxaphene...	8.403	8.805	138.6E6	156.9E6	1998.780	2231.103
39)	Toxaphene...	8.624f	8.882	4939650	1881383	66.375	15.792 #
40)	Toxaphene...	0.000	9.039f	0	150.9E6	N.D.	2190.718 #
41)	Toxaphene...	8.958	9.477f	552547	2191702	8.207	29.269 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 20:48
Operator : MJB
Sample : 0J27055-CCV5
Misc : A20H475, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 28 12:25:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 21:05
 Operator : MJB
 Sample : 0J27055-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/28/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:26:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.630f	5.998f	1282596	1437718	0.363	0.359
22) S DCBP (S)	0.000	10.465	0	3343060	N.D.	1.382 #
Target Compounds						
2) a-BHC	6.239	6.546f	467951	507724	0.099	0.095
3) g-BHC	6.538f	6.871	89697	65919	0.022	0.014 #
4) b-BHC	6.594	6.947	76810	106395	0.049	0.054
5) Heptachlor	6.894	7.243	390445	450515	0.096	0.098
6) d-BHC	6.740	7.190	55064	85762	0.076	0.088
7) Aldrin	7.156	7.508	39448	19939	0.010	0.005 #
8) Heptachlo...	7.599	7.978f	90329656	597046	24.707	0.149 #
9) trans-Chl...	0.000	8.068f	0	113.0E6	N.D.	28.394 #
10) cis-Chlor...	7.783f	0.000	163.2E6	0	45.060	N.D. #
11) Endosulfa...	0.000	8.248	0	366642	N.D.	0.102 #
12) 4,4'-DDE	0.000	8.293	0	221150	N.D.	0.113 #
13) Dieldrin	8.045f	8.440	1924915	107.5E6	0.512	27.060 #
14) Endrin	8.261	8.660	182.6E6	108.9E6	66.590	38.776 #
15) 4,4'-DDD	8.261f	8.705	182.6E6	208.6E6	67.145	64.402
16) Endosulfa...	8.411	8.853f	324089	519201	0.110	0.159 #
17) 4,4'-DDT	8.473	8.926	143133	313208	0.089	0.179 #
18) Endrin Al...	8.700	9.047	346223	534764	BelowCal	BelowCal
19) Endosulfa...	9.018	9.235	649431	765167	0.217	0.230
20) Methoxychlor	8.811	9.406	68125	1005102	0.049	0.665 #
21) Endrin Ke...	9.254f	9.612f	1697889	132.1E6	0.459	33.806 #
23) Hexachlor...	3.450	3.675	197.7E6	234.3E6	60.607	59.044
24) Hexachlor...	6.047	6.425	123.7E6	171.5E6	36.981	43.087
25) Oxychlorane	7.528	7.872	147.1E6	170.4E6	45.546	48.424
26) 2,4'-DDE	7.599	8.068	90329656	113.0E6	42.470	46.572
27) trans-Non...	7.783	8.146	163.2E6	188.6E6	45.172	47.840
28) 2,4'-DDD	7.977	8.440	84999514	107.5E6	44.239	50.568
29) 2,4'-DDT	8.157	8.660	91907990	108.9E6	42.828	48.067

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 21:05
 Operator : MJB
 Sample : 0J27055-CCV6
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:26:38 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

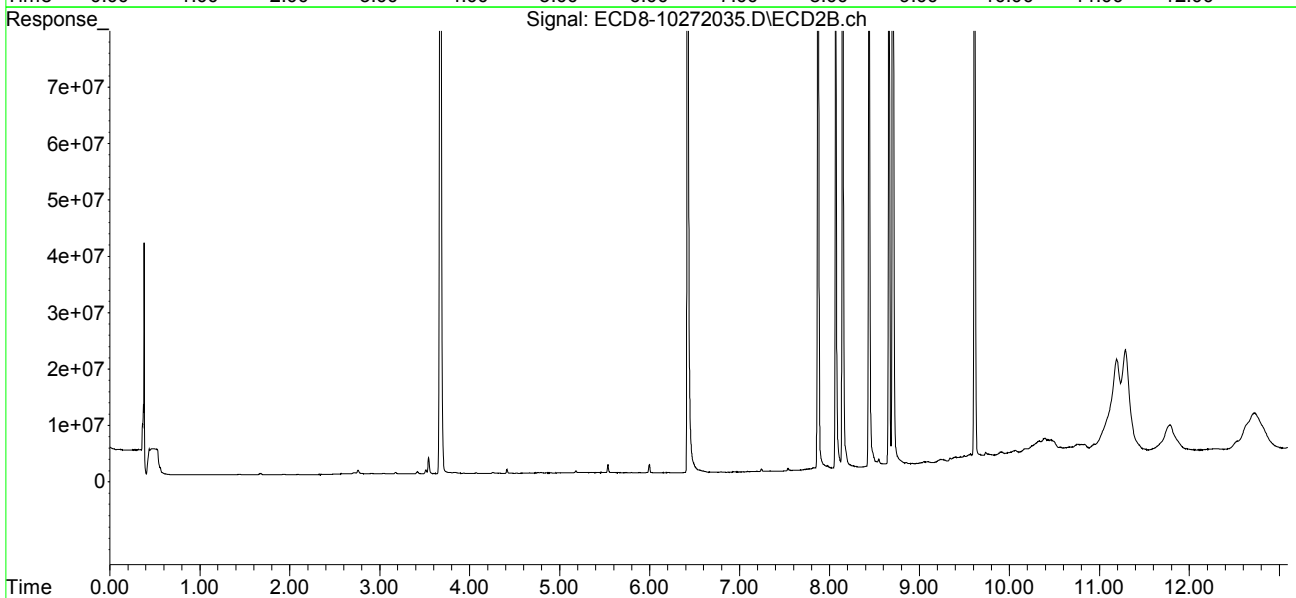
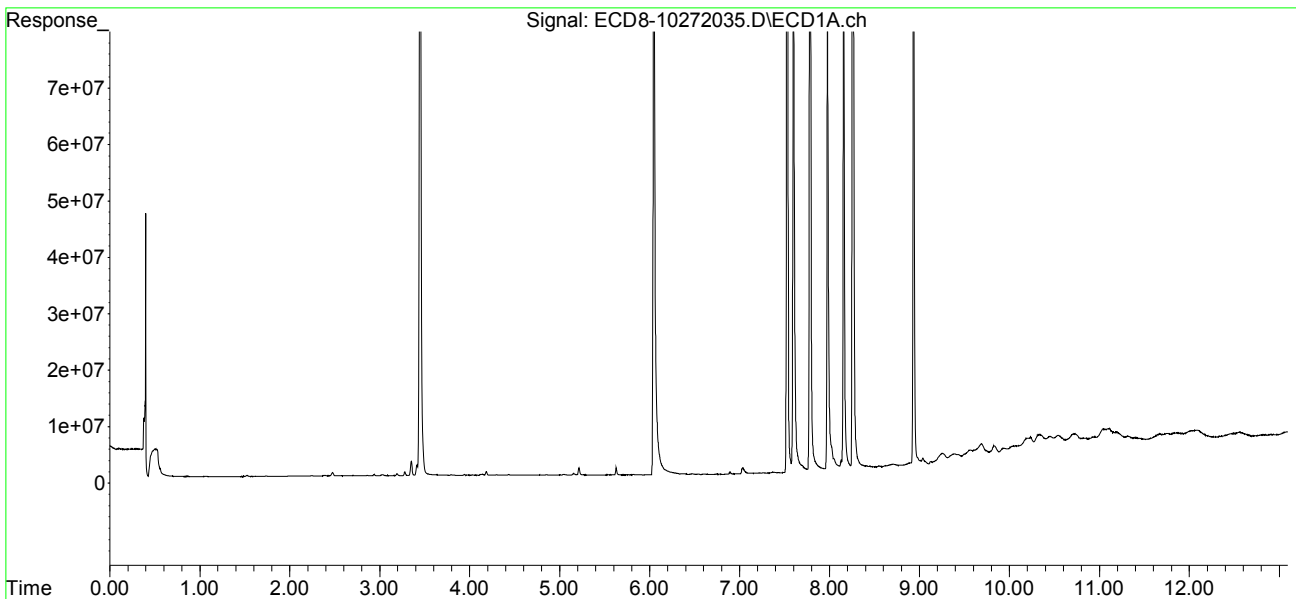
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.261	8.705	182.6E6	208.6E6	46.306	48.760
31)	Mirex	8.934	9.612	119.1E6	132.1E6	50.510	53.605
32)	Chlordane...	0.000	8.146f	0	188.6E6	N.D.	387.215 #
33)	Chlordane...	7.783f	8.248f	163.2E6	366642	389.395	0.886 #
34)	Chlordane...	8.411f	8.888	324089	339543	2.513	2.510
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.783f	8.440	163.2E6	107.5E6	10971.392	2828.495 #
37)	Toxaphene...	8.129f	0.000	1647134	0	50.006	N.D. #
38)	Toxaphene...	8.411	8.853f	324089	519201	4.675	7.382 #
39)	Toxaphene...	8.635f	8.888	137365	339543	1.846	2.850 #
40)	Toxaphene...	8.898	9.047f	345534	534764	5.821	7.763 #
41)	Toxaphene...	8.934f	9.458	119.1E6	1025415	1768.666	13.694 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 21:05
Operator : MJB
Sample : 0J27055-CCV6
Misc : A20I185, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 28 12:26:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 21:21
 Operator : MJB
 Sample : 0J27055-CCB3
 Misc : A2J0148
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/28/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:27:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.659	5.962	294.7E6	375.0E6	83.343	93.718
22) S DCBP (S)	9.879	10.470	233.4E6	238.8E6	92.921	98.687
Target Compounds						
2) a-BHC	6.194f	6.543f	23663	10286	0.005	0.002 #
3) g-BHC	6.484f	6.885	72320	7256	0.018	0.002 #
4) b-BHC	6.622f	6.947	10172	33809	0.007	0.017 #
5) Heptachlor	0.000	7.254	0	130781	N.D.	0.029 #
6) d-BHC	6.741	7.198	16423	153150	0.063	0.105 #
7) Aldrin	7.154	7.510	25441	95549	0.006	0.022 #
8) Heptachlo...	7.614	0.000	62670	0	0.017	N.D. #
9) trans-Chl...	7.715	8.082	20094	399247	0.005	0.100 #
10) cis-Chlor...	7.808	0.000	7602	0	0.002	N.D. #
11) Endosulfa...	7.898	8.275f	48249	97463	0.014	0.027 #
12) 4,4'-DDE	7.859	8.316	72571	34874	0.023	0.058 #
13) Dieldrin	8.081	8.445	88739	22611	0.024	0.022 #
14) Endrin	8.249	8.703f	38608	329743	0.014	0.154 #
15) 4,4'-DDD	8.265f	8.703	78119	329743	0.029	0.117 #
16) Endosulfa...	8.419	8.819	179455	420273	0.061	0.129 #
17) 4,4'-DDT	8.507f	8.917f	12824	375183	0.037	0.202 #
18) Endrin Al...	8.707	9.050	110611	450207	BelowCal	BelowCal
19) Endosulfa...	9.017	9.239	108017	595869	0.036	0.179 #
20) Methoxychlor	8.797	9.371f	68305	665370	0.050	0.423 #
21) Endrin Ke...	9.219	0.000	67124	0	0.018	N.D. #
23) Hexachlor...	0.000	3.691	0	48825	N.D.	BelowCal
24) Hexachlor...	6.047	6.423	512719	45872	0.153	0.012 #
25) Oxychlorane	7.541	7.874	19606	198927	0.006	0.057 #
26) 2,4'-DDE	7.614	8.082	62670	399247	0.029	0.165 #
27) trans-Non...	7.794	0.000	12943	0	0.004	N.D. #
28) 2,4'-DDD	7.990	8.445	54397	22611	0.028	BelowCal #
29) 2,4'-DDT	8.170	8.703f	21227	329743	0.010	0.011

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 21:21
 Operator : MJB
 Sample : 0J27055-CCB3
 Misc : A2J0148
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:27:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

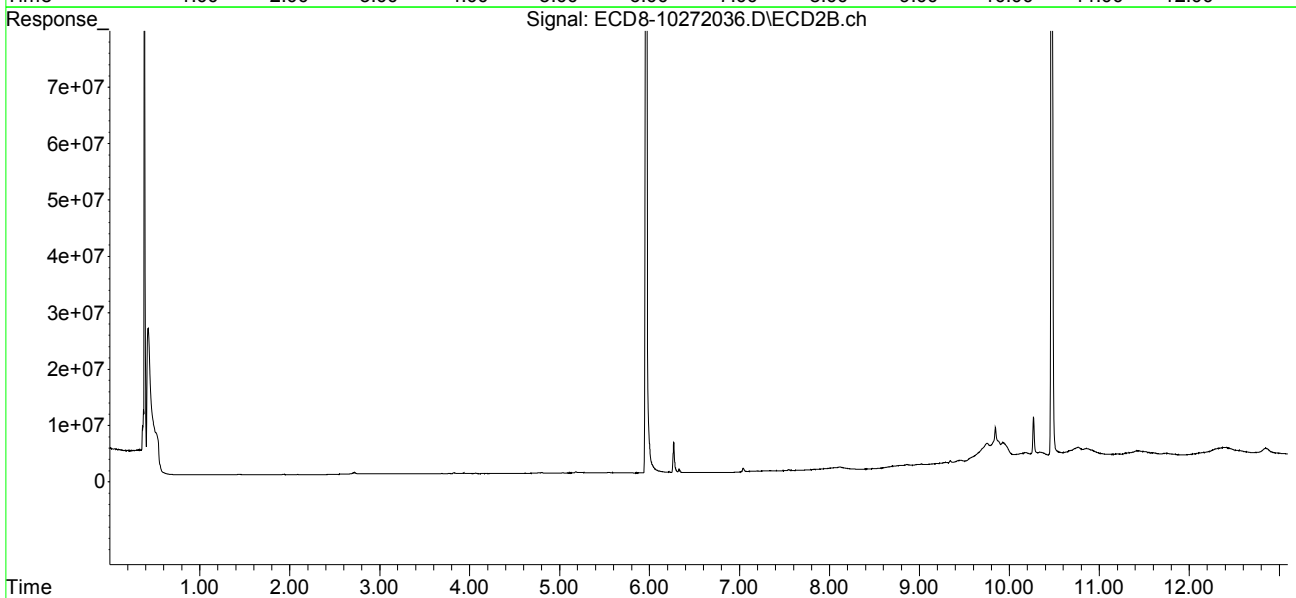
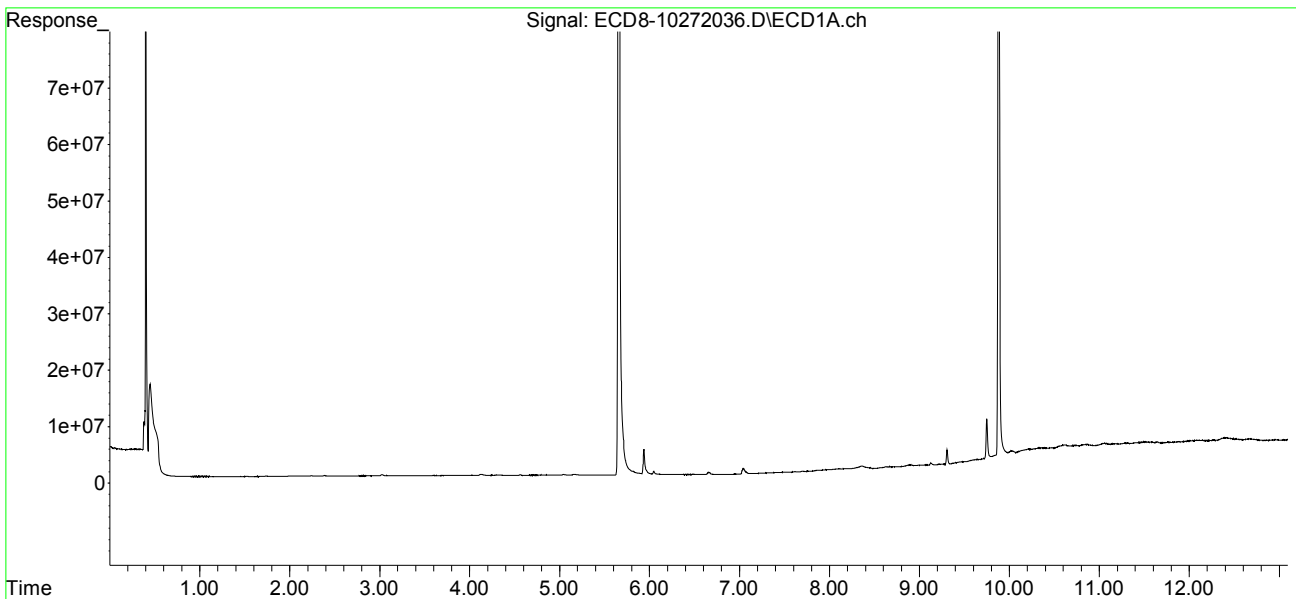
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.265	8.703	78119	329743	0.020	0.077 #
31)	Mirex	8.945	0.000	118806	0	BelowCal	N.D.
32)	Chlordane...	7.715	8.113	20094	488708	0.049	1.003 #
33)	Chlordane...	7.816	0.000	7373	0	0.018	N.D. #
34)	Chlordane...	8.363	8.859	442377	575144	3.430	4.252
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.800	8.445	12696	22611	0.853	0.595 #
37)	Toxaphene...	8.104	8.793	108568	415676	3.296	8.817 #
38)	Toxaphene...	8.419	8.819	179455	420273	2.589	5.975 #
39)	Toxaphene...	8.668	8.917f	181260	375183	2.436	3.149 #
40)	Toxaphene...	8.895	9.050	255122	450207	4.298	6.535 #
41)	Toxaphene...	8.959	9.439	101468	944818	1.507	12.617 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 21:21
Operator : MJB
Sample : 0J27055-CCB3
Misc : A2J0148
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 28 12:27:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 21:38
 Operator : MJB
 Sample : 0J27055-IBL5
 Misc : GPC Blank
 ALS Vial : 28 Sample Multiplier: 1

CLEAN

MJB 10/28/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:28:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.658	5.963	314748	338753	0.089	0.085
22) S DCBP (S)	0.000	10.472	0	1142076	N.D.	0.472 #
Target Compounds						
2) a-BHC	6.209	6.555	182521	214140	0.039	0.040
3) g-BHC	6.497	6.871	273069	293195	0.068	0.063
4) b-BHC	6.589	6.943	101645	122354	0.065	0.063
5) Heptachlor	6.915	7.244	303702	192411	0.075	0.042 #
6) d-BHC	6.740	7.186	136857	358134	0.103	0.156 #
7) Aldrin	7.137	7.506	194178	182709	0.049	0.043
8) Heptachlo...	7.608	7.941	336952	457559	0.092	0.114
9) trans-Chl...	7.702	8.102	291038	484141	0.079	0.122 #
10) cis-Chlor...	7.798	8.188	347582	441002	0.096	0.114
11) Endosulfa...	7.902	8.237	353777	497031	0.104	0.138 #
12) 4,4'-DDE	7.852	8.290	425413	335112	0.135	0.147
13) Dieldrin	8.075	8.436	155309	152467	0.041	0.056 #
14) Endrin	8.245	8.658	119109	128797	0.043	0.076 #
15) 4,4'-DDD	8.287	8.706	96504	45707	0.035	0.018 #
16) Endosulfa...	8.408	8.852f	65196	480841	0.022	0.148 #
17) 4,4'-DDT	8.479	8.928	36302	363825	0.047	0.198 #
18) Endrin Al...	8.702	9.016f	67521	481750	BelowCal	BelowCal
19) Endosulfa...	0.000	9.234	0	349443	N.D.	0.105 #
20) Methoxychlor	8.814	9.397	55843	482240	0.041	0.293 #
21) Endrin Ke...	9.215	9.630	64271	580074	0.017	0.149 #
23) Hexachlor...	3.472	0.000	153640	0	BelowCal	N.D.
24) Hexachlor...	6.047	6.440	253323	86864	0.076	0.022 #
25) Oxychlorane	7.538	7.861f	11547	71977	0.004	0.020 #
26) 2,4'-DDE	7.608	8.082	336952	445637	0.158	0.184
27) trans-Non...	7.798	8.188f	347582	441002	0.096	0.112
28) 2,4'-DDD	7.978	8.436	52494	152467	0.027	BelowCal #
29) 2,4'-DDT	8.158	8.658	6908	128797	0.003	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
 Data File : ECD8-10272037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2020 21:38
 Operator : MJB
 Sample : 0J27055-IBL5
 Misc : GPC Blank
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 28 12:28:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

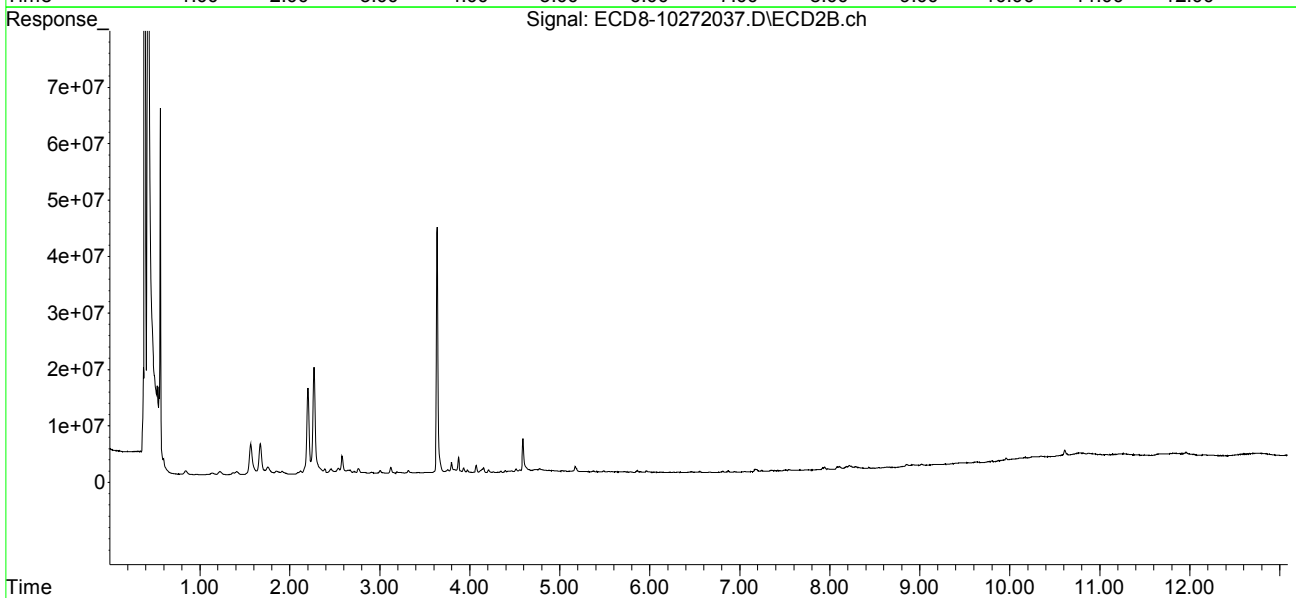
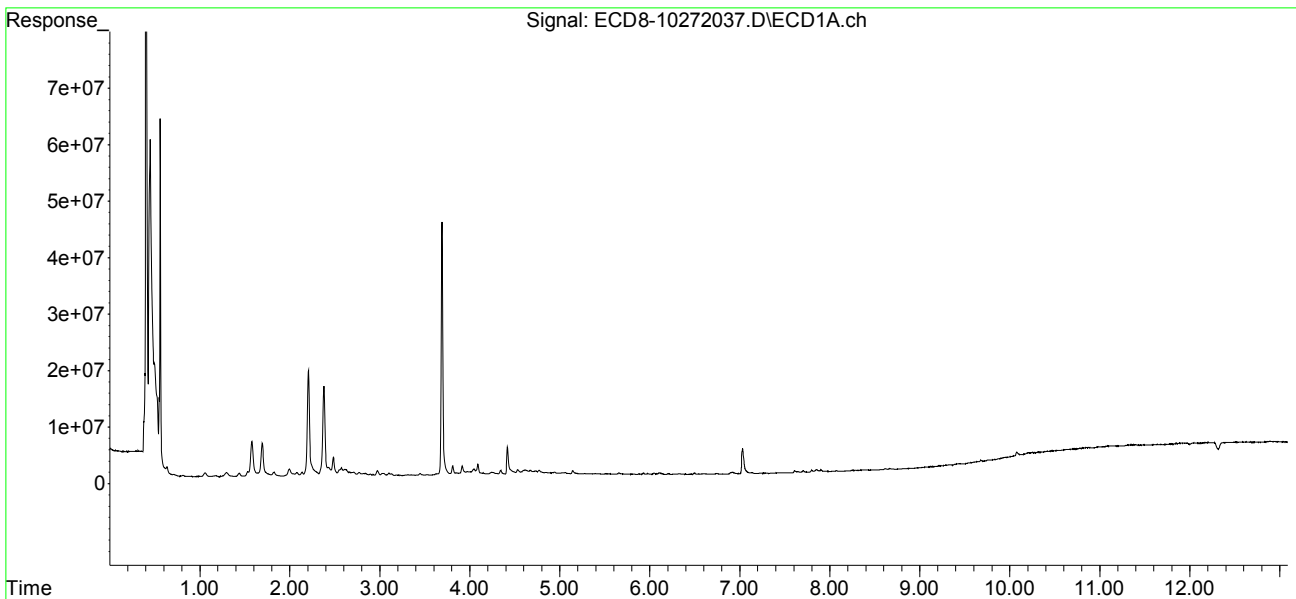
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.706	96504	45707	0.024	0.011 #
31)	Mirex	0.000	9.630	0	580074	N.D.	BelowCal
32)	Chlordane...	7.702f	8.102	291038	484141	0.706	0.994 #
33)	Chlordane...	7.798f	8.213	347582	616206	0.829	1.488 #
34)	Chlordane...	8.375	8.887	108695	292953	0.843	2.166 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.798	8.436	347582	152467	23.364	4.012 #
37)	Toxaphene...	8.106	0.000	33264	0	1.010	N.D. #
38)	Toxaphene...	8.408	8.852f	65196	480841	0.940	6.837 #
39)	Toxaphene...	8.665	8.887	187251	292953	2.516	2.459
40)	Toxaphene...	8.887	0.000	14541	0	0.245	N.D. #
41)	Toxaphene...	0.000	9.446	0	512318	N.D.	6.842 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J27055\
Data File : ECD8-10272037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2020 21:38
Operator : MJB
Sample : 0J27055-IBL5
Misc : GPC Blank
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 28 12:28:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



**Organochloride Pesticides by EPA 8081B
Calibration Data**

Sequence 0J14056 (Cal ID A0J1506) DUALECD5



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: OJ14056
Date: 10/14/20 12:16

Instrument: DUALECD5
Calibration: A0J1506

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ14056-BKD1	Water	QC	QC				A20H479
2	OJ14056-ICB1	Water	QC	QC				A20J148
3	OJ14056-CAL1	Water	QC	QC				A20J229
4	OJ14056-CAL2	Water	QC	QC				A20J230
5	OJ14056-CAL3	Water	QC	QC				A20H471
6	OJ14056-CAL4	Water	QC	QC				A20H472
7	OJ14056-CAL5	Water	QC	QC				A20H473
8	OJ14056-CAL6	Water	QC	QC				A20H474
9	OJ14056-CAL7	Water	QC	QC				A20H475
10	OJ14056-CAL8	Water	QC	QC				A20H476
11	OJ14056-CAL9	Water	QC	QC				A20H470
12	OJ14056-IBL1	Water	QC	QC				
13	OJ14056-ICV1	Water	QC	QC				A20I130
14	OJ14056-CALA	Water	QC	QC				A20J231
15	OJ14056-CALB	Water	QC	QC				A20I180
16	OJ14056-CALC	Water	QC	QC				A20I181
17	OJ14056-CALD	Water	QC	QC				A20I182
18	OJ14056-CALE	Water	QC	QC				A20I183
19	OJ14056-CALF	Water	QC	QC				A20I184
20	OJ14056-CALG	Water	QC	QC				A20I185
21	OJ14056-CALH	Water	QC	QC				A20I186
22	OJ14056-CALI	Water	QC	QC				A20I179
23	OJ14056-IBL2	Water	QC	QC				
24	OJ14056-ICV2	Water	QC	QC				A20I187
25	OJ14056-CALJ	Water	QC	QC				A20J232
26	OJ14056-CALK	Water	QC	QC				A20F057
27	OJ14056-CALL	Water	QC	QC				A20F058
28	OJ14056-CALM	Water	QC	QC				A20F059
29	OJ14056-CALN	Water	QC	QC				A20F060
30	OJ14056-CALO	Water	QC	QC				A20F061
31	OJ14056-CALP	Water	QC	QC				A20F056
32	OJ14056-IBL3	Water	QC	QC				
33	OJ14056-ICV3	Water	QC	QC				A20F062
34	OJ14056-CALQ	Water	QC	QC				A20J233
35	OJ14056-CALR	Water	QC	QC				A20F064
36	OJ14056-CALS	Water	QC	QC				A20F065
37	OJ14056-CALT	Water	QC	QC				A20F066
38	OJ14056-CALU	Water	QC	QC				A20D430
39	OJ14056-CALV	Water	QC	QC				A20D431
40	OJ14056-CALW	Water	QC	QC				A20F063
41	OJ14056-IBL4	Water	QC	QC				
42	OJ14056-ICV4	Water	QC	QC				A20F067

Data Entered By/Date: MJB 10/15/20

Comments: **ICAL**

Data Reviewed By/Date: MKZ 10/16/2020

Cal level 5 not analyzed

10/15/2020 3:25:36PM

Calibration Status Report DUALECD5

A0J1506

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_201014.M
 Title : Instrument: DualECD5
 Last Update : Thu Oct 15 11:11:37 2020
 Response Via : Initial Calibration

MJB 10/15/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142042.D
2	2	50	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142043.D
3	3	100	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142044.D
4	4	200	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142045.D
5	5	500	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142046.D
6	6	1000	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142047.D
7	7	2000	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142048.D
8	8	-1	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142029.D
9	9	-1	0	C:\msdchem\1\data\2020-10\0J14056\ECD5-10142030.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Oct 15 11:10 2020	Oct 15 11:06 2020	15 Oct 2020 0:41
2	2	Oct 15 11:10 2020	Oct 15 11:06 2020	15 Oct 2020 0:58
3	3	Oct 15 11:11 2020	Oct 15 11:07 2020	15 Oct 2020 1:15
4	4	Oct 15 11:11 2020	Oct 15 11:08 2020	15 Oct 2020 1:33
5	5	Oct 15 11:11 2020	Oct 15 11:05 2020	15 Oct 2020 1:50
6	6	Oct 15 11:11 2020	Oct 15 11:08 2020	15 Oct 2020 2:07
7	7	Oct 15 11:11 2020	Oct 15 11:09 2020	15 Oct 2020 2:24
8	8	Oct 15 10:38 2020	Oct 15 10:36 2020	14 Oct 2020 20:56
9	9	Oct 15 10:38 2020	Oct 15 10:36 2020	14 Oct 2020 21:13

ECD5_QUANTPEST_201014.M Thu Oct 15 12:35:53 2020

Response Factor Report DUALECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_201014.M
 Title : Instrument: DualECD5
 Last Update : Thu Oct 15 11:11:37 2020
 Response Via : Initial Calibration

MJB 10/15/20

Calibration Files

1 =ECD5-10142042.D 2 =ECD5-10142043.D 3 =ECD5-10142044.D 4 =ECD5-10142045.D
 5 =ECD5-10142046.D 6 =ECD5-10142047.D 7 =ECD5-10142048.D 8 =ECD5-10142029.D
 9 =ECD5-10142030.D

Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD	
1) S TCMX (S)	2.811	2.539	2.486	2.410		2.242	2.271	2.305	2.349	2.427	E5	7.68
2) a-BHC	3.356	3.062	3.142	3.082		2.929	3.008	3.118	3.186	3.110	E5	4.10
3) g-BHC	2.805	2.688	2.668	2.573		2.487	2.514	2.628	2.748	2.639	E5	4.20
4) b-BHC	1.537	1.342	1.285	1.202		1.090	1.100	1.086	1.113	1.219	E5	13.19
5) Heptachlor	2.838	2.544	2.556	2.522		2.346	2.409	2.528	2.512	2.532	E5	5.68
6) d-BHC	3.062	2.800	2.771	2.707		2.618	2.590	2.629	2.719	2.737	E5	5.51
7) Aldrin	2.879	2.744	2.711	2.634		2.490	2.571	2.578	2.618	2.653	E5	4.57
8) Heptachlor Exp...	2.816	2.590	2.508	2.378		2.294	2.279	2.335	2.335	2.442	E5	7.61
9) trans-Chlordane	2.889	2.670	2.585	2.479		2.337	2.385	2.470	2.511	2.541	E5	6.91
10) cis-Chlordane	2.751	2.562	2.490	2.365		2.273	2.307	2.343	2.358	2.431	E5	6.61
11) Endosulfan I	2.578	2.400	2.344	2.273		2.136	2.146	2.191	2.220	2.286	E5	6.56
12) 4,4'-DDE	2.847	2.615	2.608	2.563		2.493	2.497	2.533	2.632	2.598	E5	4.38
13) Dieldrin	2.763	2.604	2.506	2.449		2.400	2.442	2.506	2.517	2.523	E5	4.54
14) Endrin	2.106	1.889	1.926	1.822		1.676	1.724	1.781	1.830	1.844	E5	7.23
15) 4,4'-DDD	2.464	2.249	2.226	2.143		2.040	2.039	2.128	2.185	2.184	E5	6.26
16) Endosulfan II	2.531	2.210	2.106	1.997		1.918	1.937	1.955	2.018	2.084	E5	9.83
17) 4,4'-DDT	2.277	2.035	2.003	1.915		1.837	1.909	1.957	2.027	1.995	E5	6.63
18) Endrin Aldehyde	3.221	2.678	2.551	1.997		1.818	1.827	1.852	1.915	2.232	E5	23.43
19) Endosulfan Sul...	2.726	2.247	2.093	1.977		1.843	1.864	1.898	1.940	2.074	E5	14.25
20) Methoxychlor	1.334	1.147	1.076	1.029		0.951	0.965	0.987	1.016	1.063	E5	11.89
21) Endrin Ketone	2.863	2.566	2.452	2.320		2.280	2.304	2.356	2.445	2.448	E5	7.87
22) S DCBP (S)	2.545	2.105	1.877	1.730		1.566	1.595	1.631	1.651	1.837	E5	18.34
23) Hexachlorobuta...	3.000	2.775	2.658	2.305	2.234	2.397	2.158	2.027	2.295	2.428	E5	13.07
24) Hexachlorobenzene	3.185	2.939	2.639	2.335	2.358	2.326	2.221	2.276	2.383	2.518	E5	13.30
25) Oxychlorane	2.806	2.489	2.190	1.913	1.962	1.950	1.865	1.919	2.038	2.126	E5	15.06
26) 2,4'-DDE	2.196	1.979	1.756	1.572	1.624	1.548	1.482	1.526	1.559	1.693	E5	14.32
27) trans-Nonachlor	3.035	2.877	2.478	2.242	2.287	2.225	2.169	2.250	2.362	2.436	E5	12.75

Response Factor Report DUALECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_201014.M
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28)	2,4'-DDD	1.959	1.854	1.553	1.415	1.405	1.393	1.343	1.375	1.429	1.525	E5	14.76
29)	2,4'-DDT	1.951	1.853	1.556	1.368	1.420	1.449	1.304	1.388	1.492	1.531	E5	14.61
30)	cis-Nonachlor	3.307	3.212	2.685	2.435	2.447	2.429	2.331	2.394	2.532	2.641	E5	13.81
31)	Mirex	2.344	2.199	1.741	1.503	1.482	1.466	1.398	1.422	1.510	1.674	E5	21.18
32)	Chlordane (1)	3.046	2.669	2.656	2.637	2.731	2.702	2.741			2.740	E4	5.11
33)	Chlordane (2)	3.073	2.693	2.730	2.693	2.691	2.819	2.866			2.795	E4	5.04
34)	Chlordane (3)	9.034	7.927	7.777	7.782	7.952	7.957	8.084			8.073	E3	5.41
35)	Chlordane - AVE										0.000		-1.00
36)	Toxaphene (1)	1.255	0.941	0.949	0.895	0.968	1.035	1.030			1.010	E3	11.77
37)	Toxaphene (2)	2.486	2.164	2.195	1.996	2.108	2.113	2.141			2.172	E3	7.00
38)	Toxaphene (3)	4.704	4.261	4.315	3.925	4.192	4.402	4.451			4.322	E3	5.56
39)	Toxaphene (4)	4.982	4.392	4.425	4.033	4.424	4.563	4.757			4.511	E3	6.67
40)	Toxaphene (5)	3.626	3.416	3.465	3.180	3.653	3.714	3.823			3.554	E3	6.07
41)	Toxaphene (6)	4.500	4.013	3.996	3.820	4.081	4.174	4.210			4.113	E3	5.19
42)	Toxaphene - AVE										0.000		-1.00

Signal #2 Calibration Files

1	=ECD5-10142042.D	2	=ECD5-10142043.D	3	=ECD5-10142044.D
4	=ECD5-10142045.D	5	=ECD5-10142046.D	6	=ECD5-10142047.D

Compound	1	2	3	4	5	6	Avg	%RSD				
44) S	TCMX (S) #2	3.406	3.111	3.072	2.950	2.902	3.013	3.096	3.228	3.097	E5	5.18
45)	a-BHC #2	3.880	3.697	3.766	3.857	3.759	4.063	4.215	4.306	3.943	E5	5.73
46)	g-BHC #2	3.388	3.154	3.210	3.196	3.238	3.331	3.525	3.696	3.342	E5	5.60
47)	b-BHC #2	1.810	1.631	1.534	1.443	1.376	1.381	1.430	1.535	1.517	E5	9.68
48)	Heptachlor #2	3.110	2.636	2.585	2.656	2.644	2.818	3.017	3.161	2.828	E5	8.29
49)	d-BHC #2	4.376	3.540	3.247	3.260	3.239	3.317	3.596	3.737	3.539	E5	10.92
50)	Aldrin #2	3.092	2.884	2.923	2.943	2.941	3.102	3.209	3.297	3.049	E5	4.92
51)	Heptachlor Exp...	2.851	2.684	2.582	2.572	2.626	2.673	2.826	3.008	2.728	E5	5.62
52)	trans-Chlordan...	3.009	2.751	2.734	2.676	2.680	2.802	2.911	3.061	2.828	E5	5.25
53)	cis-Chlordane #2	2.863	2.621	2.598	2.481	2.533	2.612	2.803	2.954	2.683	E5	6.30
54)	Endosulfan I #2	2.702	2.510	2.366	2.389	2.410	2.480	2.547	2.812	2.527	E5	6.23
55)	4,4'-DDE #2	2.976	2.764	2.790	2.717	2.780	2.932	3.131	3.244	2.917	E5	6.54
56)	Dieldrin #2	3.027	2.683	2.653	2.617	2.687	2.749	2.970	3.121	2.813	E5	6.94
57)	Endrin #2	2.190	1.858	1.866	1.837	1.806	1.864	2.021	2.186	1.953	E5	8.09

Response Factor Report DUALECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_201014.M
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58)	4,4'-DDD #2	2.588	2.275	2.213	2.156		2.158	2.286	2.406	2.600	2.335	E5	7.64
59)	Endosulfan II #2	2.632	2.342	2.199	2.077		2.096	2.215	2.333	2.474	2.296	E5	8.26
60)	4,4'-DDT #2	1.962	1.762	1.786	1.729		1.750	1.910	2.081	2.254	1.904	E5	9.84
61)	Endrin Aldehyd...	3.231	2.816	2.608	2.036		1.945	2.026	2.137	2.264	2.383	E5	19.24
62)	Endosulfan Sul...	2.865	2.358	2.187	2.105		2.069	2.061	2.225	2.376	2.281	E5	11.63
63)	Methoxychlor #2	1.132	0.994	0.945	0.879		0.853	0.875	0.991	1.066	0.967	E5	10.21
64)	Endrin Ketone #2	2.825	2.410	2.309	2.228		2.278	2.399	2.602	2.826	2.485	E5	9.60
65) S	DCBP (S) #2	2.043	1.806	1.652	1.546		1.516	1.507	1.572	1.713	1.669	E5	10.98
66)	Hexachlorobuta...	4.122	3.998	3.758	3.424	3.286	3.610	3.288	3.164	3.651	3.589	E5	9.21
67)	Hexachlorobenz...	4.020	3.767	3.383	3.026	3.046	3.139	3.066	3.184	3.403	3.337	E5	10.46
68)	Oxychlorthane #2	2.829	2.649	2.375	2.145	2.190	2.263	2.148	2.400	2.604	2.400	E5	10.20
69)	2,4'-DDE #2	2.220	2.194	1.890	1.791	1.794	1.820	1.804	1.884	2.061	1.940	E5	8.93
70)	trans-Nonachlo...	3.259	3.094	2.693	2.514	2.562	2.570	2.597	2.770	3.025	2.787	E5	9.76
71)	2,4'-DDD #2	2.176	2.030	1.643	1.475	1.500	1.568	1.509	1.644	1.761	1.701	E5	14.56
72)	2,4'-DDT #2	2.004	1.883	1.523	1.386	1.440	1.513	1.416	1.509	1.808	1.609	E5	14.12
73)	cis-Nonachlor #2	3.767	3.356	2.865	2.541	2.688	2.792	2.814	2.934	3.209	2.996	E5	12.75
74)	Mirex #2	2.481	2.181	1.793	1.536	1.540	1.527	1.499	1.606	1.747	1.768	E5	19.43
75)	Chlordane (1) #2	3.570	3.274	3.329	3.456	3.669	3.646	3.859			3.543	E4	5.79
76)	Chlordane (2) #2	2.945	2.650	2.771	2.784	2.915	2.987	3.151			2.886	E4	5.72
77)	Chlordane (3) #2	1.097	0.836	0.833	0.813	0.844	0.888	0.910			0.889	E4	11.00
78)	Chlordane - AV...										0.000		-1.00
79)	Toxaphene (1) #2	2.933	2.864	2.746	2.556	2.578	2.707	2.775			2.737	E3	5.06
80)	Toxaphene (2) #2	3.528	3.352	3.352	2.973	3.165	3.276	3.450			3.299	E3	5.61
81)	Toxaphene (3) #2	5.584	4.685	4.679	4.250	4.487	4.734	4.965			4.769	E3	8.85
82)	Toxaphene (4) #2	9.074	7.545	7.526	7.137	7.669	8.114	8.456			7.931	E3	8.35
83)	Toxaphene (5) #2	5.692	4.634	4.534	4.205	4.578	4.805	5.008			4.779	E3	9.88
84)	Toxaphene (6) #2	5.366	4.568	4.326	4.222	4.501	4.795	5.099			4.697	E3	8.85
85)	Toxaphene - AV...										0.000		-1.00

 (#) = Out of Range

Compound List Report DUALECD5

Method Path : C:\msdchem\1\methods\
Method File : ECD5_QUANTPEST_201014.M
Title : Instrument: DualECD5
Last Update : Thu Oct 15 11:11:37 2020
Response Via : Initial Calibration

Total Cpnds : 85

MJB 10/15/20

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.585	1.000	A	H	R
2	a-BHC	6.137	1.000	A	H	R
3	g-BHC	6.426	1.000	A	H	R
4	b-BHC	6.507	1.000	• Q	H	R
5	Heptachlor	6.828	1.000	A	H	R
6	d-BHC	6.660	1.000	A	H	R
7	Aldrin	7.070	1.000	A	H	R
8	Heptachlor Expoxide	7.539	1.000	A	H	R
9	trans-Chlordane	7.632	1.000	A	H	R
10	cis-Chlordane	7.729	1.000	A	H	R
11	Endosulfan I	7.833	1.000	A	H	R
12	4,4'-DDE	7.779	1.000	A	H	R
13	Dieldrin	8.006	1.000	A	H	R
14	Endrin	8.175	1.000	A	H	R
15	4,4'-DDD	8.208	1.000	A	H	R
16	Endosulfan II	8.336	1.000	A	H	R
17	4,4'-DDT	8.404	1.000	A	H	R
18	Endrin Aldehyde	8.631	1.000	• Q	H	R
19	Endosulfan Sulfate	8.935	1.000	• Q	H	R
20	Methoxychlor	8.738	1.000	• Q	H	R
21	Endrin Ketone	9.137	1.000	A	H	R
22	S DCBP (S)	9.805	1.000	• Q	H	R
23	Hexachlorobutadiene	3.383	1.000	• Q	H	R
24	Hexachlorobenzene	5.972	1.000	• Q	H	R
25	Oxychlorane	7.465	1.000	• Q	H	R
26	2,4'-DDE	7.530	1.000	• Q	H	R
27	trans-Nonachlor	7.718	1.000	• Q	H	R
28	2,4'-DDD	7.908	1.000	• Q	H	R
29	2,4'-DDT	8.090	1.000	• Q	H	R
30	cis-Nonachlor	8.196	1.000	• Q	H	R
31	Mirex	8.869	1.000	• Q	H	R
32	Chlordane (1)	7.634	1.000	A	H	R
33	Chlordane (2)	7.725	1.000	A	H	R
34	Chlordane (3)	8.287	1.000	A	H	R
35	Chlordane - AVE	3.935	1.000	A	H	R
36	Toxaphene (1)	7.716	1.000	• Q	H	R
37	Toxaphene (2)	8.012	1.000	A	H	R
38	Toxaphene (3)	8.330	1.000	A	H	R
39	Toxaphene (4)	8.569	1.000	A	H	R
40	Toxaphene (5)	8.803	1.000	A	H	R
41	Toxaphene (6)	8.872	1.000	A	H	R
42	Toxaphene - AVE	3.929	1.000	A	H	R
43	Signal #2	4.059	1.000	A	H	R
44	S TCMX (S) #2	5.872	1.000	A	H	R
45	a-BHC #2	6.467	1.000	A	H	R
46	g-BHC #2	6.783	1.000	A	H	R
47	b-BHC #2	6.851	1.000	A	H	R
48	Heptachlor #2	7.157	1.000	A	H	R
49	d-BHC #2	7.098	1.000	• Q	H	R
50	Aldrin #2	7.420	1.000	A	H	R
51	Heptachlor Expoxide #2	7.854	1.000	A	H	R
52	trans-Chlordane #2	7.993	1.000	A	H	R
53	cis-Chlordane #2	8.100	1.000	A	H	R
54	Endosulfan I #2	8.149	1.000	A	H	R
55	4,4'-DDE #2	8.202	1.000	A	H	R
56	Dieldrin #2	8.347	1.000	A	H	R

57	Endrin #2	8.569	1.000	A	H	R
58	4,4'-DDD #2	8.614	1.000	A	H	R
59	Endosulfan II #2	8.715	1.000	A	H	R
60	4,4'-DDT #2	8.838	1.000	A	H	R
61	Endrin Aldehyde #2	8.950	1.000	• Q	H	R
62	Endosulfan Sulfate #2	9.143	1.000	• Q	H	R
63	Methoxychlor #2	9.304	1.000	A	H	R
64	Endrin Ketone #2	9.531	1.000	A	H	R
65	S DCBP (S) #2	10.366	1.000	• Q	H	R
66	Hexachlorobutadiene #2	3.586	1.000	A	H	R
67	Hexachlorobenzene #2	6.334	1.000	• Q	H	R
68	Oxychlorthane #2	7.787	1.000	A	H	R
69	2,4'-DDE #2	7.980	1.000	A	H	R
70	trans-Nonachlor #2	8.061	1.000	A	H	R
71	2,4'-DDD #2	8.351	1.000	• Q	H	R
72	2,4'-DDT #2	8.572	1.000	• Q	H	R
73	cis-Nonachlor #2	8.617	1.000	• Q	H	R
74	Mirex #2	9.521	1.000	• Q	H	R
75	Chlordane (1) #2	7.994	1.000	A	H	R
76	Chlordane (2) #2	8.100	1.000	A	H	R
77	Chlordane (3) #2	8.752	1.000	• Q	H	R
78	Chlordane - AVE #2	3.916	1.000	A	H	R
79	Toxaphene (1) #2	8.328	1.000	A	H	R
80	Toxaphene (2) #2	8.676	1.000	A	H	R
81	Toxaphene (3) #2	8.708	1.000	A	H	R
82	Toxaphene (4) #2	8.775	1.000	A	H	R
83	Toxaphene (5) #2	8.954	1.000	A	H	R
84	Toxaphene (6) #2	9.323	1.000	A	H	R
85	Toxaphene - AVE #2	3.922	1.000	A	H	R

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

ECD5_QUANTPEST_201014.M Thu Oct 15 12:37:14 2020

Calibration Report DUALECD5

Method Path : C:\msdchem\1\methods\
 Method File : ECD5_QUANTPEST_201014.M
 Title : Instrument: DualECD5
 Last Update : Thu Oct 15 11:11:37 2020
 Response Via : Initial Calibration

MJB 10/15/20

Calibration Files

1 =ECD5-10142042 2 =ECD5-10142043 3 =ECD5-10142044 4 =ECD5-10142045 5 =ECD5-10142046
 6 =ECD5-10142047 7 =ECD5-10142048 8 =ECD5-10142029 9 =ECD5-10142030

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	2.4266 e5	-----	0.0768
2)	a-BHC	Avg	-----	3.1103 e5	-----	0.0410
3)	g-BHC	Avg	-----	2.6389 e5	-----	0.0420
4)	b-BHC	Quad	2.1200 e4	1.1288 e5	-1.9855 e1	0.9989
5)	Heptachlor	Avg	-----	2.5319 e5	-----	0.0568
6)	d-BHC	Avg	-----	2.7370 e5	-----	0.0551
7)	Aldrin	Avg	-----	2.6532 e5	-----	0.0457
8)	Heptachlor Epoxide	Avg	-----	2.4420 e5	-----	0.0761
9)	trans-Chlordane	Avg	-----	2.5409 e5	-----	0.0691
10)	cis-Chlordane	Avg	-----	2.4313 e5	-----	0.0661
11)	Endosulfan I	Avg	-----	2.2861 e5	-----	0.0656
12)	4,4'-DDE	Avg	-----	2.5984 e5	-----	0.0438
13)	Dieldrin	Avg	-----	2.5232 e5	-----	0.0454
14)	Endrin	Avg	-----	1.8441 e5	-----	0.0723
15)	4,4'-DDD	Avg	-----	2.1844 e5	-----	0.0626
16)	Endosulfan II	Avg	-----	2.0841 e5	-----	0.0983
17)	4,4'-DDT	Avg	-----	1.9951 e5	-----	0.0663
18)	Endrin Aldehyde	Quad	6.9807 e4	1.9184 e5	-3.1862 e1	0.9935
19)	Endosulfan Sulfate	Quad	4.3501 e4	1.8479 e5	4.2566 e1	0.9997
20)	Methoxychlor	Quad	1.8682 e4	9.6454 e4	2.2015 e1	0.9996
21)	Endrin Ketone	Avg	-----	2.4482 e5	-----	0.0787
22) S	DCBP (S)	Quad	4.8313 e4	1.5998 e5	2.0011 e1	0.9995
23)	Hexachlorobutadiene	Quad	4.0615 e4	2.2735 e5	-4.7663 e1	0.9956
24)	Hexachlorobenzene	Quad	4.8750 e4	2.3010 e5	1.6225 e1	0.9983
25)	Oxychlordane	Quad	4.8822 e4	1.8903 e5	5.7549 e1	0.9986
26)	2,4'-DDE	Quad	3.4861 e4	1.5466 e5	-7.4899	0.9986
27)	trans-Nonachlor	Quad	4.6293 e4	2.2117 e5	5.7127 e1	0.9979
28)	2,4'-DDD	Quad	3.2606 e4	1.3792 e5	1.2529 e1	0.9973
29)	2,4'-DDT	Quad	3.2767 e4	1.3710 e5	4.3379 e1	0.9959
30)	cis-Nonachlor	Quad	5.2604 e4	2.3967 e5	4.1496 e1	0.9966
31)	Mirex	Quad	5.0637 e4	1.4529 e5	6.9904	0.9936
32)	Chlordane (1)	Avg	-----	2.7402 e4	-----	0.0511
33)	Chlordane (2)	Avg	-----	2.7951 e4	-----	0.0504
34)	Chlordane (3)	Avg	-----	8.0733 e3	-----	0.0541
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Quad	3.5283 e3	8.9596 e2	0.0810	0.9986
37)	Toxaphene (2)	Avg	-----	2.1718 e3	-----	0.0700
38)	Toxaphene (3)	Avg	-----	4.3216 e3	-----	0.0556
39)	Toxaphene (4)	Avg	-----	4.5107 e3	-----	0.0667
40)	Toxaphene (5)	Avg	-----	3.5540 e3	-----	0.0607
41)	Toxaphene (6)	Avg	-----	4.1133 e3	-----	0.0519
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.0974 e5	-----	0.0518
2)	a-BHC	Avg	-----	3.9427 e5	-----	0.0573
3)	g-BHC	Avg	-----	3.3421 e5	-----	0.0560
4)	b-BHC	Avg	-----	1.5173 e5	-----	0.0968
5)	Heptachlor	Avg	-----	2.8282 e5	-----	0.0829
6)	d-BHC	Quad	5.9742 e4	3.0797 e5	3.6975 e2	0.9986
7)	Aldrin	Avg	-----	3.0488 e5	-----	0.0492

8)	Heptachlor Expoxide	Avg	-----	2.7277	e5	-----	0.0562
9)	trans-Chlordane	Avg	-----	2.8280	e5	-----	0.0525
10)	cis-Chlordane	Avg	-----	2.6830	e5	-----	0.0630
11)	Endosulfan I	Avg	-----	2.5271	e5	-----	0.0623
12)	4,4'-DDE	Avg	-----	2.9167	e5	-----	0.0654
13)	Dieldrin	Avg	-----	2.8133	e5	-----	0.0694
14)	Endrin	Avg	-----	1.9534	e5	-----	0.0809
15)	4,4'-DDD	Avg	-----	2.3354	e5	-----	0.0764
16)	Endosulfan II	Avg	-----	2.2960	e5	-----	0.0826
17)	4,4'-DDT	Avg	-----	1.9043	e5	-----	0.0984
18)	Endrin Aldehyde	Quad	6.6339 e4	2.0186	e5	1.0685 e2	0.9944
19)	Endosulfan Sulfate	Quad	4.2747 e4	1.9819	e5	2.0258 e2	0.9997
20)	Methoxychlor	Avg	-----	9.6683	e4	-----	0.1021
21)	Endrin Ketone	Avg	-----	2.4848	e5	-----	0.0960
22) S	DCBP (S)	Quad	2.9211 e4	1.4800	e5	1.0712 e2	0.9997
23)	Hexachlorobutadiene	Avg	-----	3.5890	e5	-----	0.0921
24)	Hexachlorobenzene	Quad	5.4975 e4	3.0227	e5	1.7749 e2	0.9987
25)	Oxychlorane	Avg	-----	2.4003	e5	-----	0.1020
26)	2,4'-DDE	Avg	-----	1.9399	e5	-----	0.0893
27)	trans-Nonachlor	Avg	-----	2.7871	e5	-----	0.0976
28)	2,4'-DDD	Quad	3.8909 e4	1.4687	e5	1.4763 e2	0.9970
29)	2,4'-DDT	Quad	3.4887 e4	1.3726	e5	1.9751 e2	0.9964
30)	cis-Nonachlor	Quad	6.0952 e4	2.5943	e5	3.1910 e2	0.9985
31)	Mirex	Quad	5.4072 e4	1.4812	e5	1.2266 e2	0.9973
32)	Chlordane (1)	Avg	-----	3.5431	e4	-----	0.0579
33)	Chlordane (2)	Avg	-----	2.8861	e4	-----	0.0572
34)	Chlordane (3)	Quad	2.9808 e4	7.9411	e3	0.6462	0.9996
35)	Chlordane - AVE	Avg	-----	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	2.7370	e3	-----	0.0506
37)	Toxaphene (2)	Avg	-----	3.2993	e3	-----	0.0561
38)	Toxaphene (3)	Avg	-----	4.7692	e3	-----	0.0885
39)	Toxaphene (4)	Avg	-----	7.9314	e3	-----	0.0835
40)	Toxaphene (5)	Avg	-----	4.7795	e3	-----	0.0988
41)	Toxaphene (6)	Avg	-----	4.6970	e3	-----	0.0885
42)	Toxaphene - AVE	Avg	-----	-----	-----	-----	0.0000

ECD5_QUANTPEST_201014.M Thu Oct 15 12:37:22 2020

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

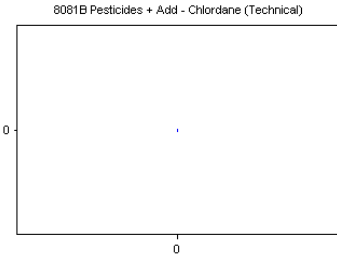
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

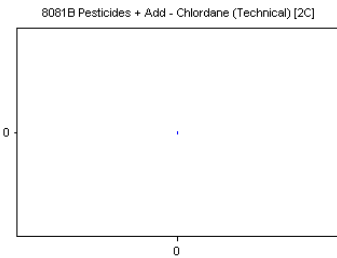


Standard	Concentration	Response	Response Factor	RT
0J14056-CALJ	40	0	0.000	0.00
0J14056-CALK	50	0	0.000	0.00
0J14056-CALL	100	0	0.000	0.00
0J14056-CALM	200	0	0.000	0.00
0J14056-CALN	500	0	0.000	0.00
0J14056-CALO	1000	0	0.000	0.00
0J14056-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

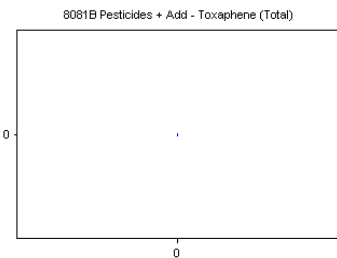


Standard	Concentration	Response	Response Factor	RT
0J14056-CALJ	40	0	0.000	0.00
0J14056-CALK	50	0	0.000	0.00
0J14056-CALL	100	0	0.000	0.00
0J14056-CALM	200	0	0.000	0.00
0J14056-CALN	500	0	0.000	0.00
0J14056-CALO	1000	0	0.000	0.00
0J14056-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

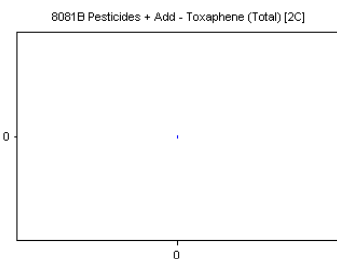


Standard	Concentration	Response	Response Factor	RT
0J14056-CALQ	40	0	0.000	0.00
0J14056-CALR	50	0	0.000	0.00
0J14056-CALS	100	0	0.000	0.00
0J14056-CALT	200	0	0.000	0.00
0J14056-CALU	500	0	0.000	0.00
0J14056-CALV	1000	0	0.000	0.00
0J14056-CALW	2000	0	0.000	0.00

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
0J14056-CALQ	40	0	0.000	0.00
0J14056-CALR	50	0	0.000	0.00
0J14056-CALS	100	0	0.000	0.00
0J14056-CALT	200	0	0.000	0.00
0J14056-CALU	500	0	0.000	0.00
0J14056-CALV	1000	0	0.000	0.00
0J14056-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: **A0J1506**

Instrument: **DUALECD5**

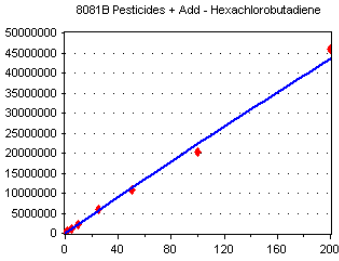
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Hexachlorobutadiene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

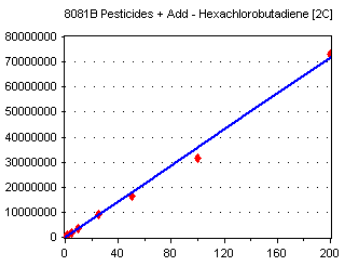


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	150001	300002.000	3.38
OJ14056-CALB	1	277482	277482.000	3.38
OJ14056-CALC	2	531546	265773.000	3.38
OJ14056-CALD	5	1152385	230477.000	3.38
OJ14056-CALE	10	2234208	223420.800	3.38
OJ14056-CALF	25	5991942	239677.700	3.38
OJ14056-CALG	50	1.078914E+07	215782.800	3.38
OJ14056-CALH	100	2.026594E+07	202659.400	3.38
OJ14056-CALI	200	4.589582E+07	229479.100	3.38

AVE RF 242750.400 **RF RSD** 13.07 **AVE RT** 3.38

Hexachlorobutadiene [2C]

Curve Fit: **AVERAGE RF**

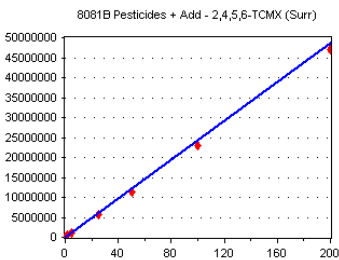


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	206112	412224.000	3.59
OJ14056-CALB	1	399831	399831.000	3.59
OJ14056-CALC	2	751508	375754.000	3.59
OJ14056-CALD	5	1711788	342357.600	3.58
OJ14056-CALE	10	3285717	328571.700	3.59
OJ14056-CALF	25	9024692	360987.700	3.59
OJ14056-CALG	50	1.644154E+07	328830.800	3.59
OJ14056-CALH	100	3.164254E+07	316425.400	3.59
OJ14056-CALI	200	7.302382E+07	365119.100	3.59

AVE RF 358900.100 **RF RSD** 9.21 **AVE RT** 3.59

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

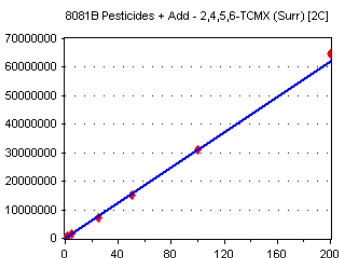


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	140529	281058.000	5.59
OJ14056-CAL2	1	253886	253886.000	5.59
OJ14056-CAL3	2	497197	248598.500	5.59
OJ14056-CAL4	5	1205086	241017.200	5.59
OJ14056-CAL6	25	5605935	224237.400	5.59
OJ14056-CAL7	50	1.135253E+07	227050.600	5.59
OJ14056-CAL8	100	2.304974E+07	230497.400	5.59
OJ14056-CAL9	200	4.698324E+07	234916.200	5.59

AVE RF 242657.700 **RF RSD** 7.68 **AVE RT** 5.59

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	170319	340638.000	5.87
OJ14056-CAL2	1	311085	311085.000	5.87
OJ14056-CAL3	2	614440	307220.000	5.87
OJ14056-CAL4	5	1474967	294993.400	5.87
OJ14056-CAL6	25	7255995	290239.800	5.87
OJ14056-CAL7	50	1.50671E+07	301342.000	5.87
OJ14056-CAL8	100	3.096431E+07	309643.100	5.87
OJ14056-CAL9	200	6.455068E+07	322753.400	5.87

AVE RF 309739.300 **RF RSD** 5.18 **AVE RT** 5.87

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

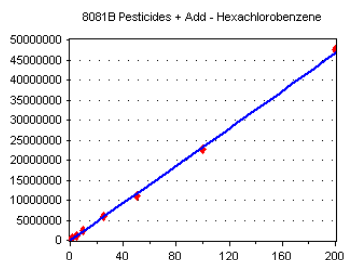
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Hexachlorobenzene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

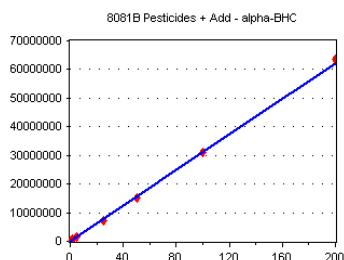


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	159234	318468.000	5.97
OJ14056-CALB	1	293882	293882.000	5.97
OJ14056-CALC	2	527783	263891.500	5.97
OJ14056-CALD	5	1167435	233487.000	5.97
OJ14056-CALE	10	2358277	235827.700	5.97
OJ14056-CALF	25	5814466	232578.600	5.97
OJ14056-CALG	50	1.110695E+07	222139.000	5.97
OJ14056-CALH	100	2.276342E+07	227634.200	5.97
OJ14056-CALI	200	4.765559E+07	238278.000	5.97

AVE RF 251798.400 **RF RSD** 13.30 **AVE RT** 5.97

alpha-BHC

Curve Fit: **AVERAGE RF**

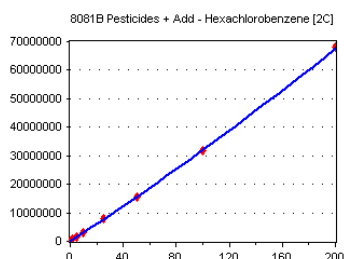


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	167796	335592.000	6.14
OJ14056-CAL2	1	306194	306194.000	6.14
OJ14056-CAL3	2	628323	314161.500	6.14
OJ14056-CAL4	5	1541028	308205.600	6.14
OJ14056-CAL6	25	7321853	292874.100	6.14
OJ14056-CAL7	50	1.50395E+07	300790.000	6.14
OJ14056-CAL8	100	3.118256E+07	311825.600	6.14
OJ14056-CAL9	200	6.371859E+07	318593.000	6.14

AVE RF 311029.500 **RF RSD** 4.10 **AVE RT** 6.14

Hexachlorobenzene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

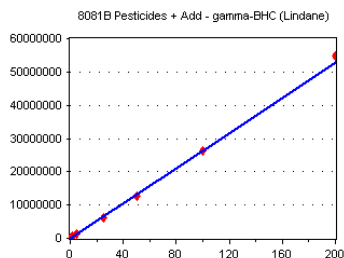


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	201011	402022.000	6.33
OJ14056-CALB	1	376662	376662.000	6.33
OJ14056-CALC	2	676521	338260.500	6.34
OJ14056-CALD	5	1512851	302570.200	6.33
OJ14056-CALE	10	3045667	304566.700	6.33
OJ14056-CALF	25	7847210	313888.400	6.33
OJ14056-CALG	50	1.5331E+07	306620.000	6.33
OJ14056-CALH	100	3.184312E+07	318431.200	6.34
OJ14056-CALI	200	6.80564E+07	340282.000	6.34

AVE RF 333700.300 **RF RSD** 10.46 **AVE RT** 6.33

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	140254	280508.000	6.43
OJ14056-CAL2	1	268763	268763.000	6.43
OJ14056-CAL3	2	533694	266847.000	6.43
OJ14056-CAL4	5	1286671	257334.200	6.43
OJ14056-CAL6	25	6218049	248722.000	6.43
OJ14056-CAL7	50	1.256765E+07	251353.000	6.43
OJ14056-CAL8	100	2.627935E+07	262793.500	6.43
OJ14056-CAL9	200	5.496429E+07	274821.400	6.43

AVE RF 263892.800 **RF RSD** 4.20 **AVE RT** 6.43

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

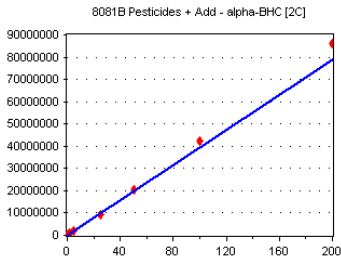
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

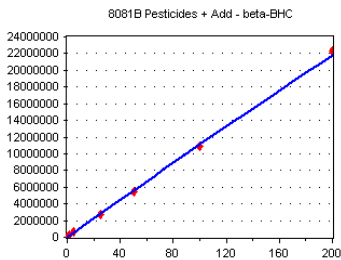


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	193976	387952.000	6.47
OJ14056-CAL2	1	369703	369703.000	6.47
OJ14056-CAL3	2	753186	376593.000	6.47
OJ14056-CAL4	5	1928602	385720.400	6.47
OJ14056-CAL6	25	9397096	375883.800	6.47
OJ14056-CAL7	50	2.031477E+07	406295.400	6.47
OJ14056-CAL8	100	4.21483E+07	421483.000	6.47
OJ14056-CAL9	200	8.611002E+07	430550.100	6.47

AVE RF 394272.600 **RF RSD** 5.73 **AVE RT** 6.47

beta-BHC

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



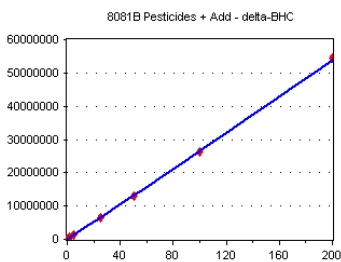
Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	76860	153720.000	6.51
OJ14056-CAL2	1	134233	134233.000	6.51
OJ14056-CAL3	2	257026	128513.000	6.51
OJ14056-CAL4	5	600757	120151.400	6.51
OJ14056-CAL6	25	2725704	109028.200	6.51
OJ14056-CAL7	50	5498441	109968.800	6.51
OJ14056-CAL8	100	1.085926E+07	108592.600	6.51
OJ14056-CAL9	200	2.225188E+07	111259.400	6.51

AVE RF 121933.300 **RF RSD** 13.19 **AVE RT** 6.51

delta-BHC

Curve Fit: ~~QUADRATIC: Weighting: (1/a^2), Origin: Ignore~~

AVE MKZ 10/16/2020

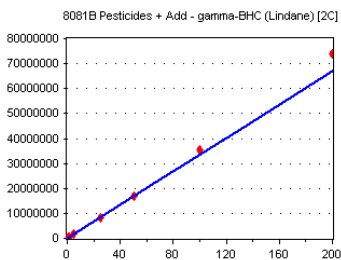


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	153083	306166.000	6.66
OJ14056-CAL2	1	279968	279968.000	6.66
OJ14056-CAL3	2	554144	277072.000	6.66
OJ14056-CAL4	5	1353451	270690.200	6.66
OJ14056-CAL6	25	6544991	261799.600	6.66
OJ14056-CAL7	50	1.295229E+07	259045.800	6.66
OJ14056-CAL8	100	2.62927E+07	262927.000	6.66
OJ14056-CAL9	200	5.438156E+07	271907.800	6.66

AVE RF 273697.100 **RF RSD** 5.51 **AVE RT** 6.66

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	169378	338756.000	6.79
OJ14056-CAL2	1	315438	315438.000	6.78
OJ14056-CAL3	2	641946	320973.000	6.79
OJ14056-CAL4	5	1598007	319601.400	6.78
OJ14056-CAL6	25	8095839	323833.600	6.79
OJ14056-CAL7	50	1.665291E+07	333058.200	6.78
OJ14056-CAL8	100	3.524576E+07	352457.600	6.78
OJ14056-CAL9	200	7.391321E+07	369566.000	6.79

AVE RF 334210.500 **RF RSD** 5.60 **AVE RT** 6.78

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

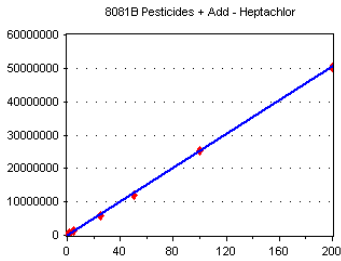
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Heptachlor

Curve Fit: **AVERAGE RF**

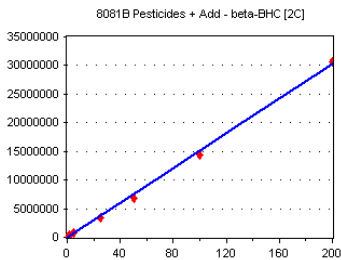


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	141918	283836.000	6.83
OJ14056-CAL2	1	254387	254387.000	6.83
OJ14056-CAL3	2	511111	255555.500	6.83
OJ14056-CAL4	5	1261215	252243.000	6.83
OJ14056-CAL6	25	5863869	234554.800	6.83
OJ14056-CAL7	50	1.204687E+07	240937.400	6.83
OJ14056-CAL8	100	2.52799E+07	252799.000	6.83
OJ14056-CAL9	200	5.023593E+07	251179.600	6.83

AVE RF 253186.500 **RF RSD** 5.68 **AVE RT** 6.83

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

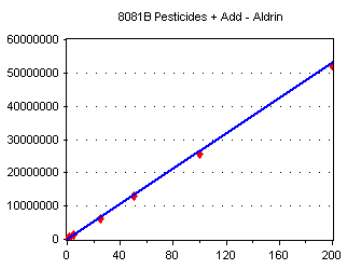


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	90501	181002.000	6.85
OJ14056-CAL2	1	163076	163076.000	6.85
OJ14056-CAL3	2	306878	153439.000	6.85
OJ14056-CAL4	5	721255	144251.000	6.85
OJ14056-CAL6	25	3439511	137580.400	6.85
OJ14056-CAL7	50	6903913	138078.300	6.85
OJ14056-CAL8	100	1.429516E+07	142951.600	6.85
OJ14056-CAL9	200	3.069146E+07	153457.300	6.85

AVE RF 151729.500 **RF RSD** 9.68 **AVE RT** 6.85

Aldrin

Curve Fit: **AVERAGE RF**



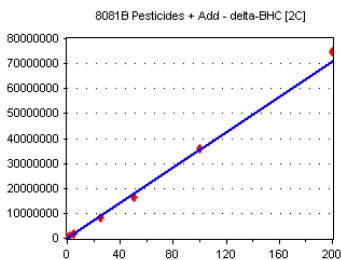
Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	143946	287892.000	7.07
OJ14056-CAL2	1	274443	274443.000	7.07
OJ14056-CAL3	2	542139	271069.500	7.07
OJ14056-CAL4	5	1317210	263442.000	7.07
OJ14056-CAL6	25	6225758	249030.300	7.07
OJ14056-CAL7	50	1.285643E+07	257128.600	7.07
OJ14056-CAL8	100	2.578344E+07	257834.400	7.07
OJ14056-CAL9	200	5.235125E+07	261756.200	7.07

AVE RF 265324.500 **RF RSD** 4.57 **AVE RT** 7.07

delta-BHC [2C]

Curve Fit: ~~AVERAGE RF~~

Quag 1/a2 MKZ 10/16/2020



Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	218781	437562.000	7.10
OJ14056-CAL2	1	354018	354018.000	7.10
OJ14056-CAL3	2	649345	324672.500	7.10
OJ14056-CAL4	5	1629779	325955.800	7.10
OJ14056-CAL6	25	8097153	323886.100	7.10
OJ14056-CAL7	50	1.658316E+07	331663.200	7.10
OJ14056-CAL8	100	3.596457E+07	359645.700	7.10
OJ14056-CAL9	200	7.474338E+07	373716.900	7.10

AVE RF 353890.000 **RF RSD** 10.92 **AVE RT** 7.10

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

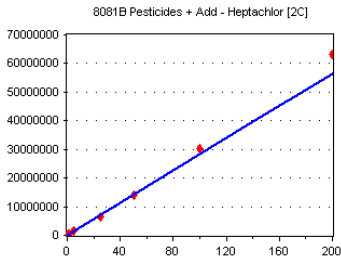
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

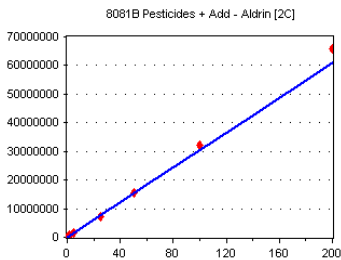


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	155482	310964.000	7.16
OJ14056-CAL2	1	263644	263644.000	7.16
OJ14056-CAL3	2	517087	258543.500	7.16
OJ14056-CAL4	5	1327780	265556.000	7.16
OJ14056-CAL6	25	6609002	264360.100	7.16
OJ14056-CAL7	50	1.40882E+07	281764.000	7.16
OJ14056-CAL8	100	3.016639E+07	301663.900	7.16
OJ14056-CAL9	200	6.321702E+07	316085.100	7.16

AVE RF 282822.600 **RF RSD** 8.29 **AVE RT** 7.16

Aldrin [2C]

Curve Fit: **AVERAGE RF**

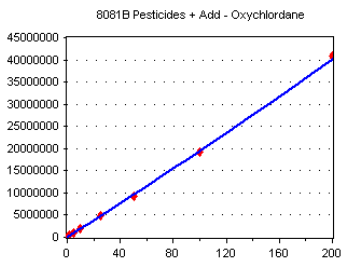


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	154585	309170.000	7.42
OJ14056-CAL2	1	288446	288446.000	7.42
OJ14056-CAL3	2	584662	292331.000	7.42
OJ14056-CAL4	5	1471589	294317.800	7.42
OJ14056-CAL6	25	7351725	294069.000	7.42
OJ14056-CAL7	50	1.550758E+07	310151.600	7.42
OJ14056-CAL8	100	3.208644E+07	320864.400	7.42
OJ14056-CAL9	200	6.594338E+07	329716.900	7.42

AVE RF 304883.300 **RF RSD** 4.92 **AVE RT** 7.42

Oxychlorthane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

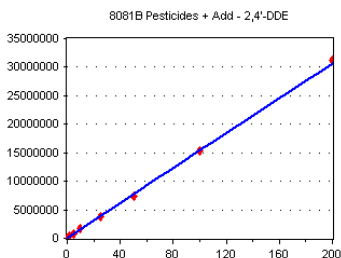


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	140283	280566.000	7.47
OJ14056-CALB	1	248898	248898.000	7.47
OJ14056-CALC	2	438019	219009.500	7.47
OJ14056-CALD	5	956472	191294.400	7.47
OJ14056-CALE	10	1961806	196180.600	7.47
OJ14056-CALF	25	4875285	195011.400	7.47
OJ14056-CALG	50	9326636	186532.700	7.47
OJ14056-CALH	100	1.918585E+07	191858.500	7.47
OJ14056-CALI	200	4.075551E+07	203777.600	7.46

AVE RF 212569.900 **RF RSD** 15.06 **AVE RT** 7.47

2,4'-DDE

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	109817	219634.000	7.53
OJ14056-CALB	1	197885	197885.000	7.53
OJ14056-CALC	2	351140	175570.000	7.53
OJ14056-CALD	5	785764	157152.800	7.53
OJ14056-CALE	10	1624386	162438.600	7.53
OJ14056-CALF	25	3870731	154829.200	7.53
OJ14056-CALG	50	7407872	148157.400	7.53
OJ14056-CALH	100	1.52558E+07	152558.000	7.53
OJ14056-CALI	200	3.117013E+07	155850.700	7.53

AVE RF 169341.700 **RF RSD** 14.32 **AVE RT** 7.53

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

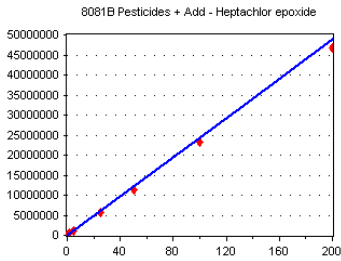
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

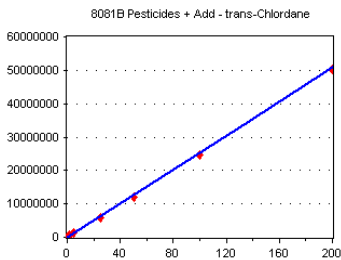


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	140794	281588.000	7.54
OJ14056-CAL2	1	259023	259023.000	7.54
OJ14056-CAL3	2	501641	250820.500	7.54
OJ14056-CAL4	5	1188991	237798.200	7.54
OJ14056-CAL6	25	5734577	229383.100	7.54
OJ14056-CAL7	50	1.139438E+07	227887.600	7.54
OJ14056-CAL8	100	2.335274E+07	233527.400	7.54
OJ14056-CAL9	200	4.670645E+07	233532.200	7.54

AVE RF 244195.000 **RF RSD** 7.61 **AVE RT** 7.54

trans-Chlordane

Curve Fit: **AVERAGE RF**

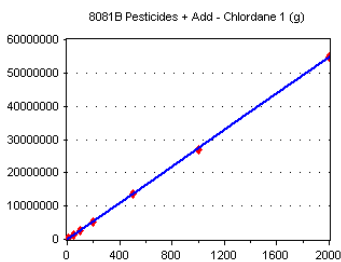


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	144465	288930.000	7.64
OJ14056-CAL2	1	267031	267031.000	7.64
OJ14056-CAL3	2	517096	258548.000	7.64
OJ14056-CAL4	5	1239286	247857.200	7.63
OJ14056-CAL6	25	5843575	233743.000	7.63
OJ14056-CAL7	50	1.192348E+07	238469.600	7.63
OJ14056-CAL8	100	2.470292E+07	247029.200	7.63
OJ14056-CAL9	200	5.022904E+07	251145.200	7.63

AVE RF 254094.200 **RF RSD** 6.91 **AVE RT** 7.63

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

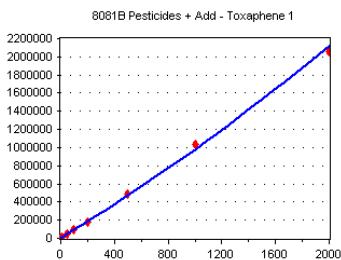


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALJ	10	304550	30455.000	7.64
OJ14056-CALK	50	1334556	26691.120	7.63
OJ14056-CALL	100	2655740	26557.400	7.64
OJ14056-CALM	200	5274036	26370.180	7.64
OJ14056-CALN	500	1.365404E+07	27308.080	7.63
OJ14056-CALO	1000	2.701681E+07	27016.810	7.63
OJ14056-CALP	2000	5.482797E+07	27413.980	7.63

AVE RF 27401.800 **RF RSD** 5.11 **AVE RT** 7.63

Toxaphene 1

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	12555	1255.500	7.72
OJ14056-CALR	50	47028	940.560	7.72
OJ14056-CALS	100	94938	949.380	7.72
OJ14056-CALT	200	178948	894.740	7.72
OJ14056-CALU	500	483885	967.770	7.72
OJ14056-CALV	1000	1035009	1035.009	7.72
OJ14056-CALW	2000	2060224	1030.112	7.71

AVE RF 1010.439 **RF RSD** 11.77 **AVE RT** 7.72

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

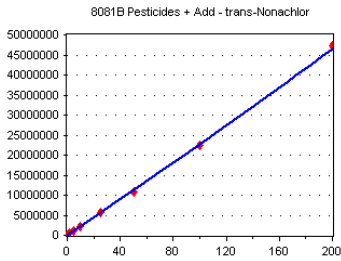
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

trans-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

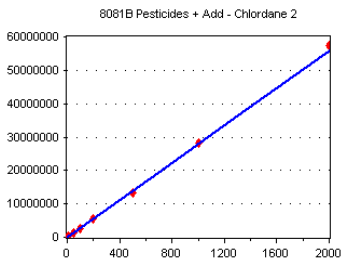


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	151770	303540.000	7.72
OJ14056-CALB	1	287672	287672.000	7.72
OJ14056-CALC	2	495556	247778.000	7.72
OJ14056-CALD	5	1120921	224184.200	7.72
OJ14056-CALE	10	2286824	228682.400	7.72
OJ14056-CALF	25	5561787	222471.500	7.72
OJ14056-CALG	50	1.084382E+07	216876.400	7.72
OJ14056-CALH	100	2.250183E+07	225018.300	7.72
OJ14056-CALI	200	4.724043E+07	236202.200	7.72

AVE RF 243602.800 **RF RSD** 12.75 **AVE RT** 7.72

Chlordane 2

Curve Fit: **AVERAGE RF**

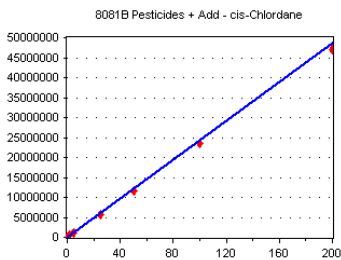


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALJ	10	307347	30734.700	7.73
OJ14056-CALK	50	1346695	26933.900	7.73
OJ14056-CALL	100	2729980	27299.800	7.73
OJ14056-CALM	200	5386626	26933.130	7.73
OJ14056-CALN	500	1.345283E+07	26905.660	7.73
OJ14056-CALO	1000	2.818756E+07	28187.560	7.73
OJ14056-CALP	2000	5.732546E+07	28662.730	7.73

AVE RF 27951.070 **RF RSD** 5.04 **AVE RT** 7.73

cis-Chlordane

Curve Fit: **AVERAGE RF**

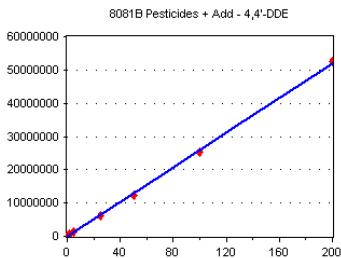


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	137544	275088.000	7.73
OJ14056-CAL2	1	256225	256225.000	7.73
OJ14056-CAL3	2	497982	248991.000	7.73
OJ14056-CAL4	5	1182697	236539.400	7.73
OJ14056-CAL6	25	5682477	227299.100	7.73
OJ14056-CAL7	50	1.153708E+07	230741.600	7.73
OJ14056-CAL8	100	2.343476E+07	234347.600	7.73
OJ14056-CAL9	200	4.715408E+07	235770.400	7.73

AVE RF 243125.300 **RF RSD** 6.61 **AVE RT** 7.73

4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	142374	284748.000	7.78
OJ14056-CAL2	1	261532	261532.000	7.78
OJ14056-CAL3	2	521556	260778.000	7.78
OJ14056-CAL4	5	1281422	256284.400	7.78
OJ14056-CAL6	25	6231267	249250.700	7.78
OJ14056-CAL7	50	1.248405E+07	249681.000	7.78
OJ14056-CAL8	100	2.532771E+07	253277.100	7.78
OJ14056-CAL9	200	5.263708E+07	263185.400	7.78

AVE RF 259842.100 **RF RSD** 4.38 **AVE RT** 7.78

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

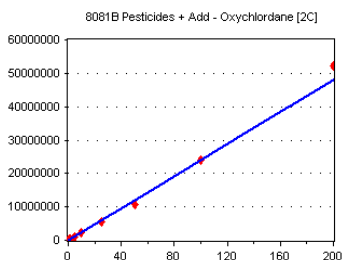
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Oxychlorthane [2C]

Curve Fit: **AVERAGE RF**

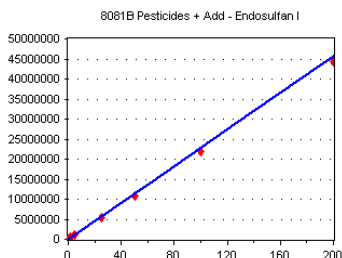


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	141434	282868.000	7.79
OJ14056-CALB	1	264881	264881.000	7.79
OJ14056-CALC	2	475085	237542.500	7.79
OJ14056-CALD	5	1072428	214485.600	7.79
OJ14056-CALE	10	2190386	219038.600	7.79
OJ14056-CALF	25	5656841	226273.600	7.79
OJ14056-CALG	50	1.073844E+07	214768.800	7.79
OJ14056-CALH	100	2.399976E+07	239997.600	7.79
OJ14056-CALI	200	5.208058E+07	260402.900	7.79

AVE RF 240028.700 RF RSD 10.20 AVE RT 7.79

Endosulfan I

Curve Fit: **AVERAGE RF**

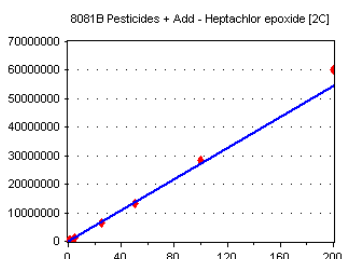


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	128922	257844.000	7.84
OJ14056-CAL2	1	240021	240021.000	7.84
OJ14056-CAL3	2	468891	234445.500	7.84
OJ14056-CAL4	5	1136280	227256.000	7.84
OJ14056-CAL6	25	5340395	213615.800	7.84
OJ14056-CAL7	50	1.073011E+07	214602.200	7.83
OJ14056-CAL8	100	2.190826E+07	219082.600	7.83
OJ14056-CAL9	200	4.439775E+07	221988.800	7.83

AVE RF 228607.000 RF RSD 6.56 AVE RT 7.83

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

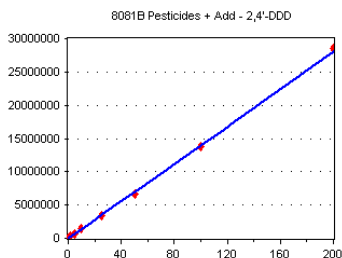


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	142572	285144.000	7.86
OJ14056-CAL2	1	268398	268398.000	7.86
OJ14056-CAL3	2	516383	258191.500	7.86
OJ14056-CAL4	5	1285859	257171.800	7.86
OJ14056-CAL6	25	6565406	262616.300	7.86
OJ14056-CAL7	50	1.336361E+07	267272.200	7.85
OJ14056-CAL8	100	2.825746E+07	282574.600	7.86
OJ14056-CAL9	200	6.015658E+07	300782.900	7.86

AVE RF 272768.900 RF RSD 5.62 AVE RT 7.86

2,4'-DDD

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	97926	195852.000	7.91
OJ14056-CALB	1	185364	185364.000	7.91
OJ14056-CALC	2	310667	155333.500	7.91
OJ14056-CALD	5	707479	141495.800	7.91
OJ14056-CALE	10	1404864	140486.400	7.91
OJ14056-CALF	25	3482222	139288.900	7.91
OJ14056-CALG	50	6716596	134331.900	7.91
OJ14056-CALH	100	1.375282E+07	137528.200	7.91
OJ14056-CALI	200	2.857391E+07	142869.500	7.91

AVE RF 152505.600 RF RSD 14.76 AVE RT 7.91

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

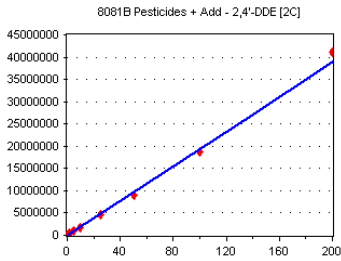
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

2,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

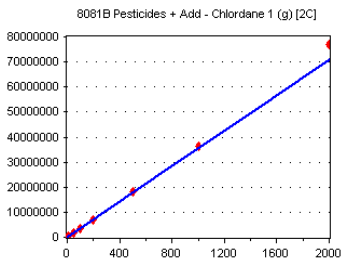


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	111017	222034.000	7.98
OJ14056-CALB	1	219431	219431.000	7.98
OJ14056-CALC	2	378009	189004.500	7.98
OJ14056-CALD	5	895392	179078.400	7.98
OJ14056-CALE	10	1793894	179389.400	7.98
OJ14056-CALF	25	4550076	182003.000	7.98
OJ14056-CALG	50	9020941	180418.800	7.98
OJ14056-CALH	100	1.884356E+07	188435.600	7.98
OJ14056-CALI	200	4.122828E+07	206141.400	7.98

AVE RF 193992.900 **RF RSD** 8.93 **AVE RT** 7.98

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

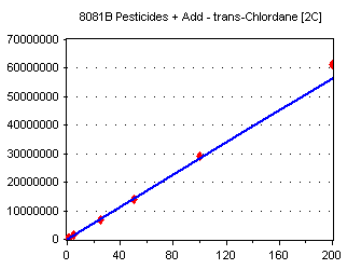


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALJ	10	356975	35697.500	7.99
OJ14056-CALK	50	1636860	32737.200	7.99
OJ14056-CALL	100	3329301	33293.010	7.99
OJ14056-CALM	200	6911106	34555.530	7.99
OJ14056-CALN	500	1.834704E+07	36694.080	7.99
OJ14056-CALO	1000	3.645556E+07	36455.560	7.99
OJ14056-CALP	2000	7.717278E+07	38586.390	7.99

AVE RF 35431.320 **RF RSD** 5.79 **AVE RT** 7.99

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

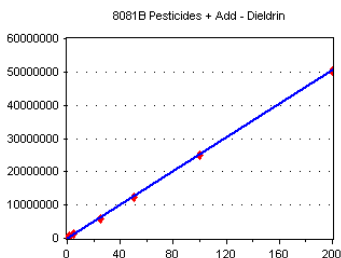


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	150441	300882.000	8.00
OJ14056-CAL2	1	275149	275149.000	8.00
OJ14056-CAL3	2	546800	273400.000	8.00
OJ14056-CAL4	5	1337960	267592.000	7.99
OJ14056-CAL6	25	6700617	268024.700	8.00
OJ14056-CAL7	50	1.400931E+07	280186.200	7.99
OJ14056-CAL8	100	2.910629E+07	291062.900	7.99
OJ14056-CAL9	200	6.121987E+07	306099.400	7.99

AVE RF 282799.500 **RF RSD** 5.25 **AVE RT** 7.99

Dieldrin

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	138131	276262.000	8.01
OJ14056-CAL2	1	260366	260366.000	8.01
OJ14056-CAL3	2	501289	250644.500	8.01
OJ14056-CAL4	5	1224275	244855.000	8.01
OJ14056-CAL6	25	5999680	239987.200	8.01
OJ14056-CAL7	50	1.220871E+07	244174.200	8.01
OJ14056-CAL8	100	2.505786E+07	250578.600	8.01
OJ14056-CAL9	200	5.034135E+07	251706.800	8.01

AVE RF 252321.800 **RF RSD** 4.54 **AVE RT** 8.01

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

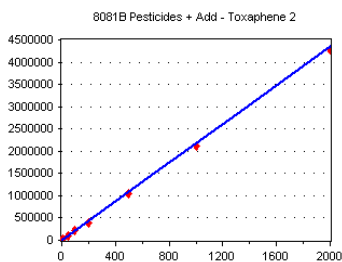
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 2

Curve Fit: **AVERAGE RF**

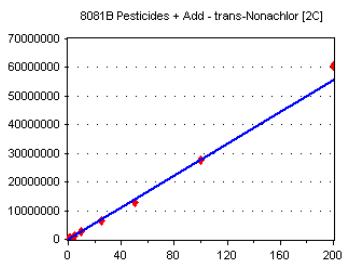


Standard	Concentration	Response	Factor	RT
OJ14056-CALQ	10	24856	2485.600	8.01
OJ14056-CALR	50	108189	2163.780	8.01
OJ14056-CALS	100	219547	2195.470	8.01
OJ14056-CALT	200	399138	1995.690	8.01
OJ14056-CALU	500	1053998	2107.996	8.01
OJ14056-CALV	1000	2113258	2113.258	8.01
OJ14056-CALW	2000	4281496	2140.748	8.01

AVE RF 2171.792 **RF RSD** 7.00 **AVE RT** 8.01

trans-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

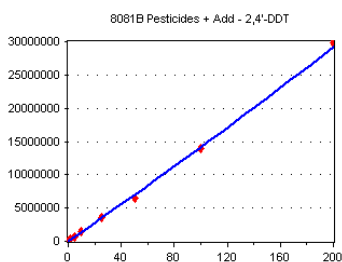


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	162972	325944.000	8.06
OJ14056-CALB	1	309445	309445.000	8.06
OJ14056-CALC	2	538531	269265.500	8.06
OJ14056-CALD	5	1256872	251374.400	8.06
OJ14056-CALE	10	2561574	256157.400	8.06
OJ14056-CALF	25	6425020	257000.800	8.06
OJ14056-CALG	50	1.298621E+07	259724.200	8.06
OJ14056-CALH	100	2.769776E+07	276977.600	8.06
OJ14056-CALI	200	6.049995E+07	302499.800	8.06

AVE RF 278709.900 **RF RSD** 9.76 **AVE RT** 8.06

2,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

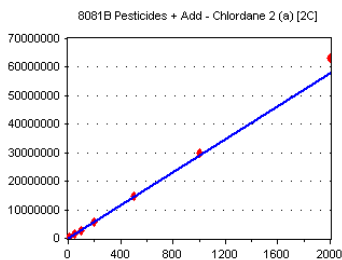


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	97546	195092.000	8.09
OJ14056-CALB	1	185344	185344.000	8.09
OJ14056-CALC	2	311126	155563.000	8.09
OJ14056-CALD	5	683815	136763.000	8.09
OJ14056-CALE	10	1419577	141957.700	8.09
OJ14056-CALF	25	3622126	144885.000	8.09
OJ14056-CALG	50	6517761	130355.200	8.09
OJ14056-CALH	100	1.388249E+07	138824.900	8.09
OJ14056-CALI	200	2.983495E+07	149174.800	8.09

AVE RF 153106.600 **RF RSD** 14.61 **AVE RT** 8.09

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ14056-CALJ	10	294489	29448.900	8.10
OJ14056-CALK	50	1325165	26503.300	8.10
OJ14056-CALL	100	2770653	27706.530	8.10
OJ14056-CALM	200	5568695	27843.470	8.10
OJ14056-CALN	500	1.457407E+07	29148.140	8.10
OJ14056-CALO	1000	2.986599E+07	29865.990	8.10
OJ14056-CALP	2000	6.301906E+07	31509.530	8.10

AVE RF 28860.840 **RF RSD** 5.72 **AVE RT** 8.10

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

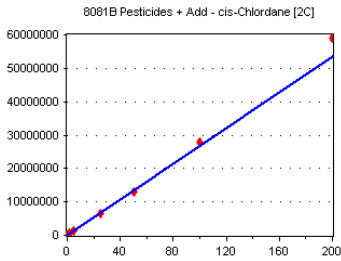
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

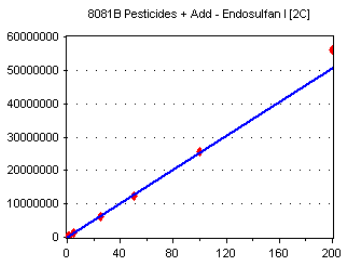


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	143168	286336.000	8.10
OJ14056-CAL2	1	262088	262088.000	8.10
OJ14056-CAL3	2	519519	259759.500	8.10
OJ14056-CAL4	5	1240277	248055.400	8.10
OJ14056-CAL6	25	6333107	253324.300	8.10
OJ14056-CAL7	50	1.306013E+07	261202.600	8.10
OJ14056-CAL8	100	2.802674E+07	280267.400	8.10
OJ14056-CAL9	200	5.907559E+07	295378.000	8.10

AVE RF 268301.400 **RF RSD** 6.30 **AVE RT** 8.10

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

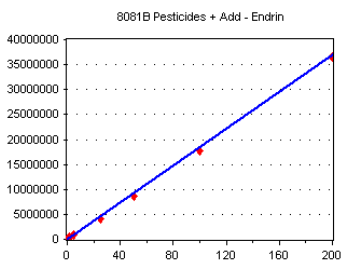


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	135108	270216.000	8.15
OJ14056-CAL2	1	251042	251042.000	8.15
OJ14056-CAL3	2	473272	236636.000	8.15
OJ14056-CAL4	5	1194602	238920.400	8.15
OJ14056-CAL6	25	6024680	240987.200	8.15
OJ14056-CAL7	50	1.239928E+07	247985.600	8.15
OJ14056-CAL8	100	2.546735E+07	254673.500	8.15
OJ14056-CAL9	200	5.623964E+07	281198.200	8.15

AVE RF 252707.400 **RF RSD** 6.23 **AVE RT** 8.15

Endrin

Curve Fit: **AVERAGE RF**

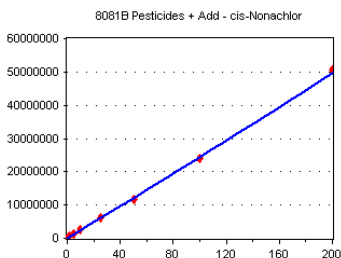


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	105277	210554.000	8.18
OJ14056-CAL2	1	188876	188876.000	8.18
OJ14056-CAL3	2	385124	192562.000	8.18
OJ14056-CAL4	5	910916	182183.200	8.18
OJ14056-CAL6	25	4189458	167578.300	8.18
OJ14056-CAL7	50	8619344	172386.900	8.18
OJ14056-CAL8	100	1.780678E+07	178067.800	8.18
OJ14056-CAL9	200	3.660876E+07	183043.800	8.17

AVE RF 184406.500 **RF RSD** 7.23 **AVE RT** 8.18

cis-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	165341	330682.000	8.20
OJ14056-CALB	1	321171	321171.000	8.20
OJ14056-CALC	2	537042	268521.000	8.20
OJ14056-CALD	5	1217681	243536.200	8.20
OJ14056-CALE	10	2447188	244718.800	8.20
OJ14056-CALF	25	6071870	242874.800	8.20
OJ14056-CALG	50	1.16553E+07	233106.000	8.20
OJ14056-CALH	100	2.394096E+07	239409.600	8.20
OJ14056-CALI	200	5.06371E+07	253185.500	8.20

AVE RF 264133.900 **RF RSD** 13.81 **AVE RT** 8.20

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

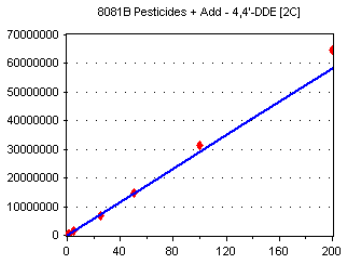
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

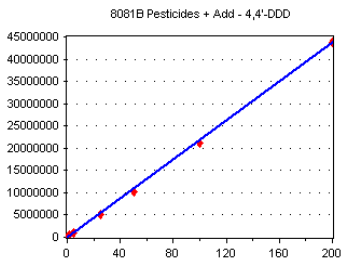


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	148799	297598.000	8.20
OJ14056-CAL2	1	276372	276372.000	8.20
OJ14056-CAL3	2	558084	279042.000	8.20
OJ14056-CAL4	5	1358638	271727.600	8.20
OJ14056-CAL6	25	6948937	277957.500	8.20
OJ14056-CAL7	50	1.465778E+07	293155.600	8.20
OJ14056-CAL8	100	3.130863E+07	313086.300	8.20
OJ14056-CAL9	200	6.488296E+07	324414.800	8.20

AVE RF 291669.200 **RF RSD** 6.54 **AVE RT** 8.20

4,4'-DDD

Curve Fit: **AVERAGE RF**

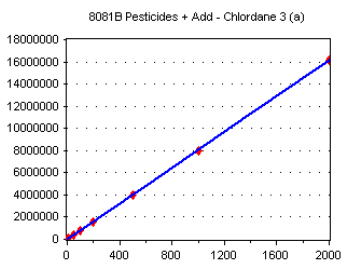


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	123211	246422.000	8.21
OJ14056-CAL2	1	224880	224880.000	8.21
OJ14056-CAL3	2	445212	222606.000	8.21
OJ14056-CAL4	5	1071622	214324.400	8.21
OJ14056-CAL6	25	5100984	204039.400	8.21
OJ14056-CAL7	50	1.019722E+07	203944.400	8.21
OJ14056-CAL8	100	2.127547E+07	212754.700	8.21
OJ14056-CAL9	200	4.370962E+07	218548.100	8.21

AVE RF 218439.900 **RF RSD** 6.26 **AVE RT** 8.21

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

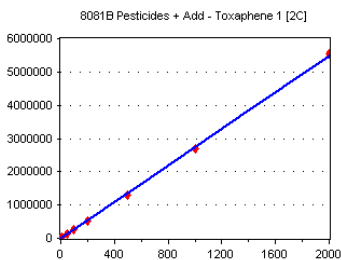


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALJ	10	90342	9034.200	8.29
OJ14056-CALK	50	396365	7927.300	8.29
OJ14056-CALL	100	777703	7777.030	8.29
OJ14056-CALM	200	1556390	7781.950	8.29
OJ14056-CALN	500	3976029	7952.058	8.29
OJ14056-CALO	1000	7956827	7956.827	8.29
OJ14056-CALP	2000	1.61676E+07	8083.800	8.29

AVE RF 8073.309 **RF RSD** 5.41 **AVE RT** 8.29

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	29330	2933.000	8.33
OJ14056-CALR	50	143205	2864.100	8.33
OJ14056-CALS	100	274596	2745.960	8.33
OJ14056-CALT	200	511160	2555.800	8.33
OJ14056-CALU	500	1288935	2577.870	8.33
OJ14056-CALV	1000	2707259	2707.259	8.33
OJ14056-CALW	2000	5550124	2775.062	8.33

AVE RF 2737.007 **RF RSD** 5.06 **AVE RT** 8.33

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

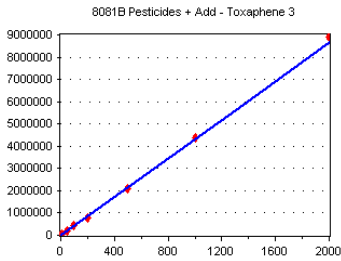
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 3

Curve Fit: **AVERAGE RF**

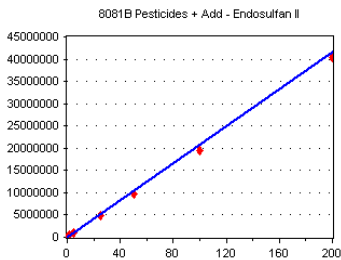


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	47042	4704.200	8.33
OJ14056-CALR	50	213060	4261.200	8.33
OJ14056-CALS	100	431516	4315.160	8.33
OJ14056-CALT	200	785098	3925.490	8.33
OJ14056-CALU	500	2095888	4191.776	8.33
OJ14056-CALV	1000	4402201	4402.201	8.33
OJ14056-CALW	2000	8901901	4450.951	8.33

AVE RF **4321.568** RF RSD **5.57** AVE RT **8.33**

Endosulfan II

Curve Fit: **AVERAGE RF**

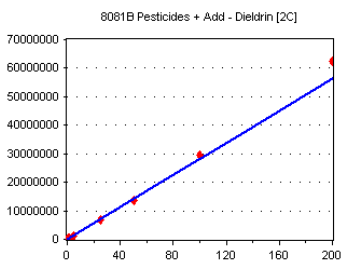


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	126564	253128.000	8.34
OJ14056-CAL2	1	220968	220968.000	8.34
OJ14056-CAL3	2	421233	210616.500	8.34
OJ14056-CAL4	5	998320	199664.000	8.34
OJ14056-CAL6	25	4795425	191817.000	8.34
OJ14056-CAL7	50	9684792	193695.800	8.34
OJ14056-CAL8	100	1.955239E+07	195523.900	8.34
OJ14056-CAL9	200	4.036804E+07	201840.200	8.34

AVE RF **208406.700** RF RSD **9.83** AVE RT **8.34**

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

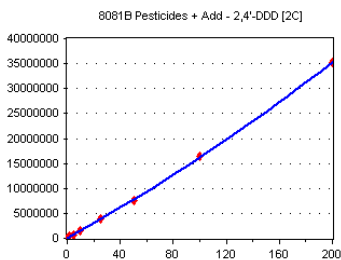


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	151375	302750.000	8.35
OJ14056-CAL2	1	268257	268257.000	8.35
OJ14056-CAL3	2	530524	265262.000	8.35
OJ14056-CAL4	5	1308319	261663.800	8.35
OJ14056-CAL6	25	6716667	268666.700	8.35
OJ14056-CAL7	50	1.374707E+07	274941.400	8.35
OJ14056-CAL8	100	2.969901E+07	296990.100	8.35
OJ14056-CAL9	200	6.242352E+07	312117.600	8.35

AVE RF **281331.100** RF RSD **6.94** AVE RT **8.35**

2,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	108812	217624.000	8.35
OJ14056-CALB	1	202997	202997.000	8.35
OJ14056-CALC	2	328688	164344.000	8.35
OJ14056-CALD	5	737721	147544.200	8.35
OJ14056-CALE	10	1499564	149956.400	8.35
OJ14056-CALF	25	3919505	156780.200	8.35
OJ14056-CALG	50	7545788	150915.800	8.35
OJ14056-CALH	100	1.64388E+07	164388.000	8.35
OJ14056-CALI	200	3.522235E+07	176111.800	8.35

AVE RF **170073.500** RF RSD **14.56** AVE RT **8.35**

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

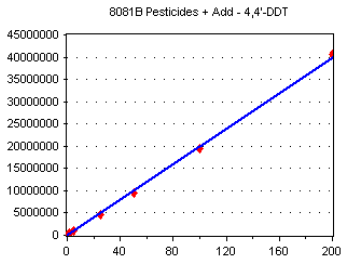
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

4,4'-DDT

Curve Fit: **AVERAGE RF**

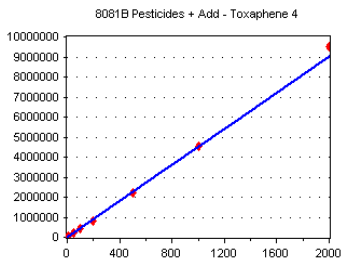


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	113864	227728.000	8.41
OJ14056-CAL2	1	203498	203498.000	8.41
OJ14056-CAL3	2	400654	200327.000	8.41
OJ14056-CAL4	5	957319	191463.800	8.41
OJ14056-CAL6	25	4593721	183748.800	8.41
OJ14056-CAL7	50	9547128	190942.600	8.41
OJ14056-CAL8	100	1.956974E+07	195697.400	8.41
OJ14056-CAL9	200	4.053428E+07	202671.400	8.41

AVE RF 199509.600 **RF RSD** 6.63 **AVE RT** 8.41

Toxaphene 4

Curve Fit: **AVERAGE RF**

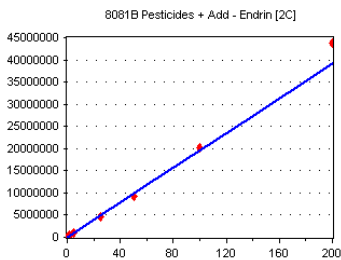


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	49818	4981.800	8.57
OJ14056-CALR	50	219607	4392.140	8.57
OJ14056-CALS	100	442500	4425.000	8.57
OJ14056-CALT	200	806552	4032.760	8.57
OJ14056-CALU	500	2211804	4423.608	8.57
OJ14056-CALV	1000	4563231	4563.231	8.57
OJ14056-CALW	2000	9513358	4756.679	8.57

AVE RF 4510.745 **RF RSD** 6.67 **AVE RT** 8.57

Endrin [2C]

Curve Fit: **AVERAGE RF**

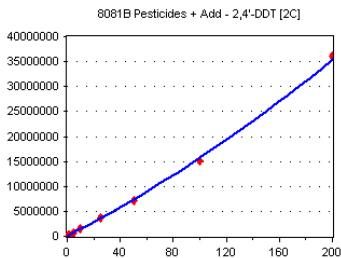


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	109506	219012.000	8.57
OJ14056-CAL2	1	185759	185759.000	8.57
OJ14056-CAL3	2	373106	186553.000	8.57
OJ14056-CAL4	5	918333	183666.600	8.57
OJ14056-CAL6	25	4516170	180646.800	8.57
OJ14056-CAL7	50	9319162	186383.200	8.57
OJ14056-CAL8	100	2.021237E+07	202123.700	8.57
OJ14056-CAL9	200	4.371823E+07	218591.200	8.57

AVE RF 195341.900 **RF RSD** 8.09 **AVE RT** 8.57

2,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	100181	200362.000	8.57
OJ14056-CALB	1	188319	188319.000	8.57
OJ14056-CALC	2	304634	152317.000	8.57
OJ14056-CALD	5	693050	138610.000	8.57
OJ14056-CALE	10	1439690	143969.000	8.57
OJ14056-CALF	25	3783032	151321.300	8.57
OJ14056-CALG	50	7077939	141558.800	8.57
OJ14056-CALH	100	1.509425E+07	150942.500	8.57
OJ14056-CALI	200	3.616156E+07	180807.800	8.57

AVE RF 160911.900 **RF RSD** 14.12 **AVE RT** 8.57

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

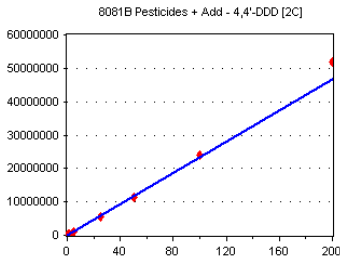
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

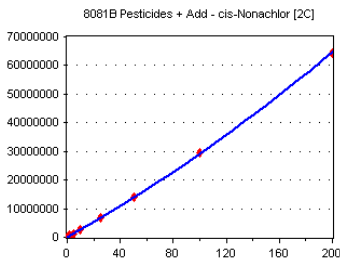


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	129395	258790.000	8.62
OJ14056-CAL2	1	227533	227533.000	8.62
OJ14056-CAL3	2	442696	221348.000	8.62
OJ14056-CAL4	5	1078020	215604.000	8.62
OJ14056-CAL6	25	5395697	215827.900	8.62
OJ14056-CAL7	50	1.143141E+07	228628.200	8.61
OJ14056-CAL8	100	2.406095E+07	240609.500	8.62
OJ14056-CAL9	200	5.19939E+07	259969.500	8.62

AVE RF 233538.800 **RF RSD** 7.64 **AVE RT** 8.62

cis-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

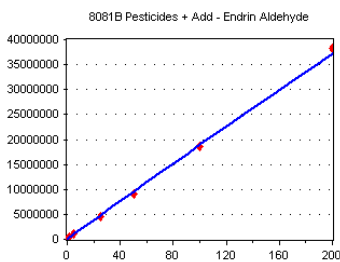


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	188367	376734.000	8.62
OJ14056-CALB	1	335608	335608.000	8.62
OJ14056-CALC	2	572924	286462.000	8.62
OJ14056-CALD	5	1270505	254101.000	8.62
OJ14056-CALE	10	2688062	268806.200	8.62
OJ14056-CALF	25	6980137	279205.500	8.62
OJ14056-CALG	50	1.407102E+07	281420.400	8.62
OJ14056-CALH	100	2.933816E+07	293381.600	8.62
OJ14056-CALI	200	6.418387E+07	320919.400	8.62

AVE RF 299626.400 **RF RSD** 12.75 **AVE RT** 8.62

Endrin Aldehyde

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

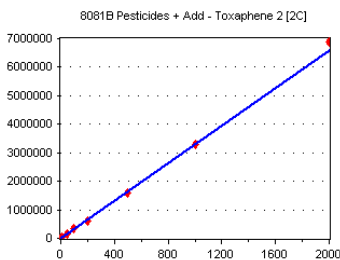


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	161066	322132.000	8.63
OJ14056-CAL2	1	267831	267831.000	8.64
OJ14056-CAL3	2	510289	255144.500	8.64
OJ14056-CAL4	5	998718	199743.600	8.63
OJ14056-CAL6	25	4543966	181758.600	8.63
OJ14056-CAL7	50	9134784	182695.700	8.63
OJ14056-CAL8	100	1.851875E+07	185187.500	8.63
OJ14056-CAL9	200	3.829829E+07	191491.400	8.63

AVE RF 223248.000 **RF RSD** 23.43 **AVE RT** 8.63

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ14056-CALQ	10	35277	3527.700	8.68
OJ14056-CALR	50	167605	3352.100	8.68
OJ14056-CALS	100	335190	3351.900	8.68
OJ14056-CALT	200	594557	2972.785	8.68
OJ14056-CALU	500	1582264	3164.528	8.68
OJ14056-CALV	1000	3275662	3275.662	8.68
OJ14056-CALW	2000	6900893	3450.447	8.67

AVE RF 3299.303 **RF RSD** 5.61 **AVE RT** 8.68

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

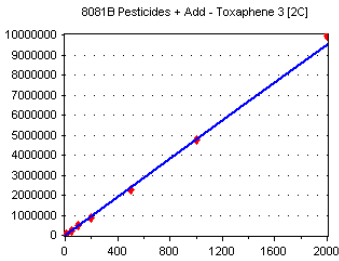
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

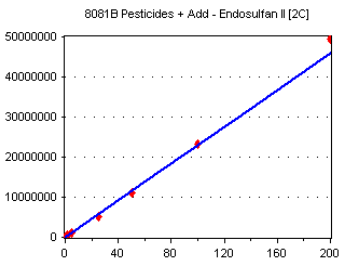


Standard	Concentration	Response	Factor	RT
OJ14056-CALQ	10	55840	5584.000	8.71
OJ14056-CALR	50	234274	4685.480	8.71
OJ14056-CALS	100	467877	4678.770	8.71
OJ14056-CALT	200	849986	4249.930	8.71
OJ14056-CALU	500	2243365	4486.730	8.71
OJ14056-CALV	1000	4734432	4734.432	8.71
OJ14056-CALW	2000	9929921	4964.960	8.71

AVE RF 4769.186 **RF RSD** 8.85 **AVE RT** 8.71

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

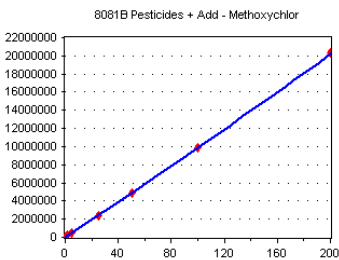


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	131578	263156.000	8.72
OJ14056-CAL2	1	234183	234183.000	8.72
OJ14056-CAL3	2	439713	219856.500	8.72
OJ14056-CAL4	5	1038306	207661.200	8.72
OJ14056-CAL6	25	5241221	209648.800	8.72
OJ14056-CAL7	50	1.107484E+07	221496.800	8.72
OJ14056-CAL8	100	2.333356E+07	233335.600	8.72
OJ14056-CAL9	200	4.948781E+07	247439.000	8.72

AVE RF 229597.100 **RF RSD** 8.26 **AVE RT** 8.72

Methoxychlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

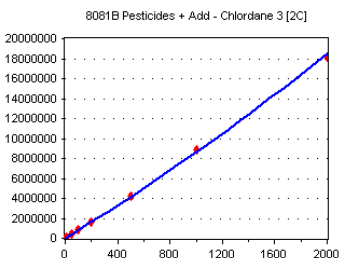


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	66721	133442.000	8.74
OJ14056-CAL2	1	114664	114664.000	8.74
OJ14056-CAL3	2	215205	107602.500	8.74
OJ14056-CAL4	5	514454	102890.800	8.74
OJ14056-CAL6	25	2377939	95117.560	8.74
OJ14056-CAL7	50	4827454	96549.080	8.74
OJ14056-CAL8	100	9873445	98734.450	8.74
OJ14056-CAL9	200	2.031986E+07	101599.300	8.74

AVE RF 106325.000 **RF RSD** 11.89 **AVE RT** 8.74

Chlordane 3 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Factor	RT
OJ14056-CALJ	10	109674	10967.400	8.75
OJ14056-CALK	50	418197	8363.940	8.75
OJ14056-CALL	100	832789	8327.890	8.75
OJ14056-CALM	200	1625382	8126.910	8.75
OJ14056-CALN	500	4222031	8444.062	8.75
OJ14056-CALO	1000	8880946	8880.946	8.75
OJ14056-CALP	2000	1.819892E+07	9099.460	8.75

AVE RF 8887.230 **RF RSD** 11.00 **AVE RT** 8.75

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

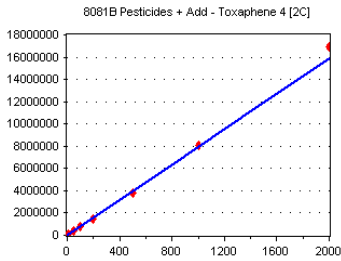
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 4 [2C]

Curve Fit: **AVERAGE RF**

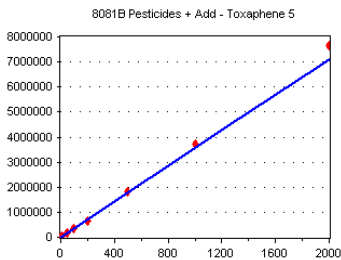


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	90741	9074.100	8.77
OJ14056-CALR	50	377227	7544.540	8.77
OJ14056-CALS	100	752568	7525.680	8.77
OJ14056-CALT	200	1427424	7137.120	8.77
OJ14056-CALU	500	3834253	7668.506	8.78
OJ14056-CALV	1000	8114254	8114.254	8.77
OJ14056-CALW	2000	1.691179E+07	8455.895	8.77

AVE RF 7931.442 **RF RSD** 8.35 **AVE RT** 8.77

Toxaphene 5

Curve Fit: **AVERAGE RF**

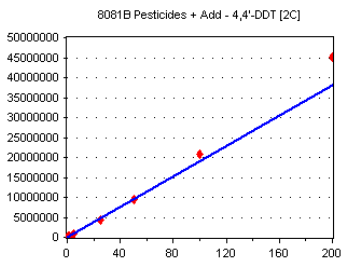


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	36261	3626.100	8.80
OJ14056-CALR	50	170790	3415.800	8.80
OJ14056-CALS	100	346542	3465.420	8.80
OJ14056-CALT	200	636088	3180.440	8.80
OJ14056-CALU	500	1826728	3653.456	8.80
OJ14056-CALV	1000	3713660	3713.660	8.80
OJ14056-CALW	2000	7646412	3823.206	8.80

AVE RF 3554.012 **RF RSD** 6.07 **AVE RT** 8.80

4,4'-DDT [2C]

Curve Fit: **AVERAGE RF**

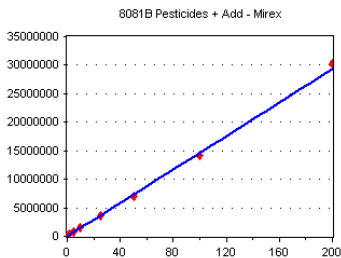


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	98085	196170.000	8.84
OJ14056-CAL2	1	176159	176159.000	8.84
OJ14056-CAL3	2	357211	178605.500	8.84
OJ14056-CAL4	5	864502	172900.400	8.84
OJ14056-CAL6	25	4376201	175048.000	8.84
OJ14056-CAL7	50	9551259	191025.200	8.84
OJ14056-CAL8	100	2.080942E+07	208094.200	8.84
OJ14056-CAL9	200	4.508691E+07	225434.600	8.84

AVE RF 190429.600 **RF RSD** 9.84 **AVE RT** 8.84

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	117218	234436.000	8.87
OJ14056-CALB	1	219913	219913.000	8.87
OJ14056-CALC	2	348236	174118.000	8.87
OJ14056-CALD	5	751440	150288.000	8.87
OJ14056-CALE	10	1482445	148244.500	8.87
OJ14056-CALF	25	3665359	146614.400	8.87
OJ14056-CALG	50	6988668	139773.400	8.87
OJ14056-CALH	100	1.421832E+07	142183.200	8.87
OJ14056-CALI	200	3.020977E+07	151048.800	8.87

AVE RF 167402.100 **RF RSD** 21.18 **AVE RT** 8.87

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

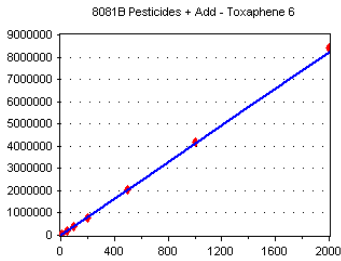
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 6

Curve Fit: **AVERAGE RF**

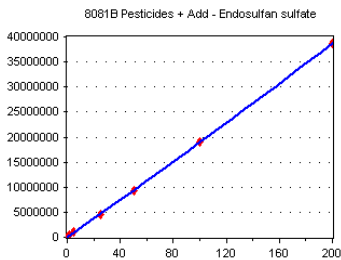


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	45002	4500.200	8.87
OJ14056-CALR	50	200646	4012.920	8.87
OJ14056-CALS	100	399552	3995.520	8.87
OJ14056-CALT	200	764046	3820.230	8.87
OJ14056-CALU	500	2040358	4080.716	8.87
OJ14056-CALV	1000	4173509	4173.509	8.87
OJ14056-CALW	2000	8420013	4210.006	8.87

AVE RF 4113.300 **RF RSD** 5.19 **AVE RT** 8.87

Endosulfan sulfate

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

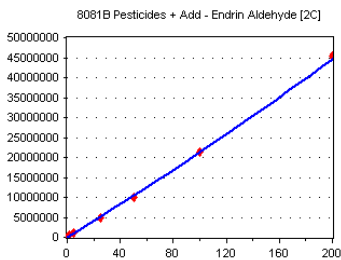


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	136316	272632.000	8.94
OJ14056-CAL2	1	224706	224706.000	8.94
OJ14056-CAL3	2	418629	209314.500	8.94
OJ14056-CAL4	5	988428	197685.600	8.94
OJ14056-CAL6	25	4608552	184342.100	8.94
OJ14056-CAL7	50	9319195	186383.900	8.94
OJ14056-CAL8	100	1.897665E+07	189766.500	8.94
OJ14056-CAL9	200	3.880484E+07	194024.200	8.94

AVE RF 207356.800 **RF RSD** 14.25 **AVE RT** 8.94

Endrin Aldehyde [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

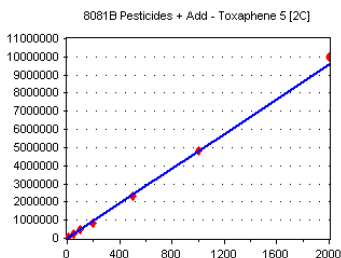


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	161530	323060.000	8.95
OJ14056-CAL2	1	281603	281603.000	8.95
OJ14056-CAL3	2	521610	260805.000	8.95
OJ14056-CAL4	5	1018074	203614.800	8.95
OJ14056-CAL6	25	4863133	194525.300	8.95
OJ14056-CAL7	50	1.012985E+07	202597.000	8.95
OJ14056-CAL8	100	2.136864E+07	213686.400	8.95
OJ14056-CAL9	200	4.527934E+07	226396.700	8.95

AVE RF 238286.000 **RF RSD** 19.24 **AVE RT** 8.95

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	56924	5692.400	8.95
OJ14056-CALR	50	231691	4633.820	8.95
OJ14056-CALS	100	453357	4533.570	8.95
OJ14056-CALT	200	841042	4205.210	8.95
OJ14056-CALU	500	2289232	4578.464	8.95
OJ14056-CALV	1000	4805037	4805.037	8.95
OJ14056-CALW	2000	1.001586E+07	5007.930	8.95

AVE RF 4779.490 **RF RSD** 9.88 **AVE RT** 8.95

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

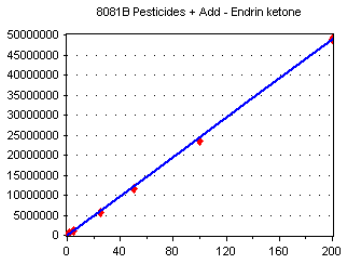
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Endrin ketone

Curve Fit: **AVERAGE RF**

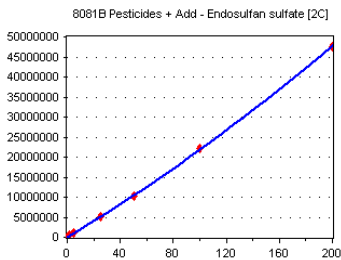


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	143156	286312.000	9.14
OJ14056-CAL2	1	256580	256580.000	9.14
OJ14056-CAL3	2	490417	245208.500	9.14
OJ14056-CAL4	5	1160086	232017.200	9.14
OJ14056-CAL6	25	5699447	227977.900	9.14
OJ14056-CAL7	50	1.151973E+07	230394.600	9.14
OJ14056-CAL8	100	2.355918E+07	235591.800	9.14
OJ14056-CAL9	200	4.890257E+07	244512.800	9.14

AVE RF 244824.400 **RF RSD** 7.87 **AVE RT** 9.14

Endosulfan sulfate [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

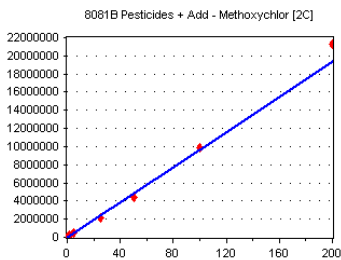


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	143250	286500.000	9.14
OJ14056-CAL2	1	235751	235751.000	9.15
OJ14056-CAL3	2	437332	218666.000	9.15
OJ14056-CAL4	5	1052641	210528.200	9.14
OJ14056-CAL6	25	5172587	206903.500	9.15
OJ14056-CAL7	50	1.030511E+07	206102.200	9.14
OJ14056-CAL8	100	2.225262E+07	222526.200	9.14
OJ14056-CAL9	200	4.751555E+07	237577.800	9.15

AVE RF 228069.400 **RF RSD** 11.63 **AVE RT** 9.14

Methoxychlor [2C]

Curve Fit: **AVERAGE RF**

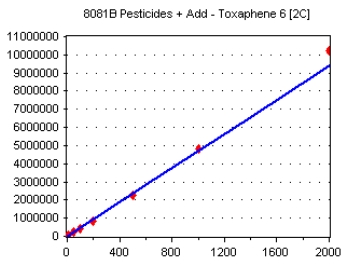


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	56609	113218.000	9.31
OJ14056-CAL2	1	99371	99371.000	9.31
OJ14056-CAL3	2	189005	94502.500	9.31
OJ14056-CAL4	5	439519	87903.800	9.31
OJ14056-CAL6	25	2132144	85285.760	9.31
OJ14056-CAL7	50	4372733	87454.660	9.31
OJ14056-CAL8	100	9914061	99140.610	9.31
OJ14056-CAL9	200	2.131793E+07	106589.600	9.31

AVE RF 96683.250 **RF RSD** 10.21 **AVE RT** 9.31

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	53664	5366.400	9.32
OJ14056-CALR	50	228420	4568.400	9.32
OJ14056-CALS	100	432629	4326.290	9.32
OJ14056-CALT	200	844436	4222.180	9.32
OJ14056-CALU	500	2250663	4501.326	9.32
OJ14056-CALV	1000	4795078	4795.078	9.32
OJ14056-CALW	2000	1.019871E+07	5099.355	9.32

AVE RF 4697.004 **RF RSD** 8.85 **AVE RT** 9.32

Element Calibration Review Sheet

Calibration ID: **A0J1506**

Instrument: **DUALECD5**

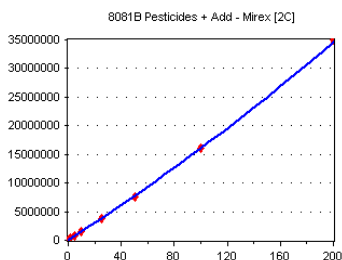
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

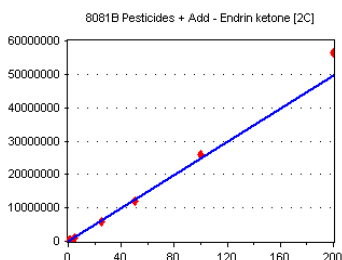


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	124073	248146.000	9.52
OJ14056-CALB	1	218149	218149.000	9.52
OJ14056-CALC	2	358541	179270.500	9.52
OJ14056-CALD	5	768030	153606.000	9.52
OJ14056-CALE	10	1539687	153968.700	9.52
OJ14056-CALF	25	3817069	152682.800	9.52
OJ14056-CALG	50	7493572	149871.400	9.52
OJ14056-CALH	100	1.605623E+07	160562.300	9.52
OJ14056-CALI	200	3.493021E+07	174651.000	9.52

AVE RF 176767.500 **RF RSD** 19.43 **AVE RT** 9.52

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

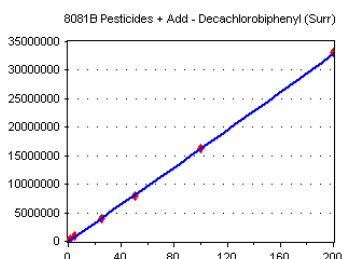


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	141257	282514.000	9.53
OJ14056-CAL2	1	241014	241014.000	9.53
OJ14056-CAL3	2	461874	230937.000	9.53
OJ14056-CAL4	5	1114109	222821.800	9.53
OJ14056-CAL6	25	5694932	227797.300	9.53
OJ14056-CAL7	50	1.199701E+07	239940.200	9.53
OJ14056-CAL8	100	2.60175E+07	260175.000	9.53
OJ14056-CAL9	200	5.652196E+07	282609.800	9.53

AVE RF 248476.100 **RF RSD** 9.60 **AVE RT** 9.53

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

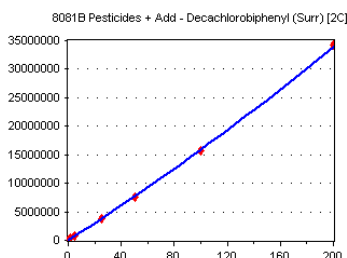


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	127242	254484.000	9.81
OJ14056-CAL2	1	210456	210456.000	9.81
OJ14056-CAL3	2	375364	187682.000	9.81
OJ14056-CAL4	5	864759	172951.800	9.81
OJ14056-CAL6	25	3915613	156624.500	9.81
OJ14056-CAL7	50	7973046	159460.900	9.81
OJ14056-CAL8	100	1.631254E+07	163125.400	9.81
OJ14056-CAL9	200	3.302394E+07	165119.700	9.81

AVE RF 183738.000 **RF RSD** 18.34 **AVE RT** 9.81

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	102135	204270.000	10.37
OJ14056-CAL2	1	180596	180596.000	10.37
OJ14056-CAL3	2	330405	165202.500	10.37
OJ14056-CAL4	5	772851	154570.200	10.37
OJ14056-CAL6	25	3789238	151569.500	10.37
OJ14056-CAL7	50	7534139	150682.800	10.37
OJ14056-CAL8	100	1.571884E+07	157188.400	10.37
OJ14056-CAL9	200	3.42581E+07	171290.500	10.37

AVE RF 166921.200 **RF RSD** 10.98 **AVE RT** 10.37

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0J14056

Analysis Included

**1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608.3 Pesticides
608.3 Additional
608.3 Chlordane
608.3 Pest (Chlordane)
608.3 Pest + Add (250mL) - Development
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: 0J14056

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0J14056-ICB1	Initial Cal Blank	Water	A20J148		10/14/2020 3:30:00PM
0J14056-CAL1	Cal Standard	Water	A20J229	"	10/14/2020 3:47:00PM
0J14056-CAL2	Cal Standard	Water	A20J230	"	10/14/2020 4:04:00PM
0J14056-CAL3	Cal Standard	Water	A20H471	"	10/14/2020 4:21:00PM
0J14056-CAL4	Cal Standard	Water	A20H472	"	10/14/2020 4:38:00PM
0J14056-CAL5	Cal Standard	Water	A20H473	"	10/14/2020 4:56:00PM
0J14056-CAL6	Cal Standard	Water	A20H474	"	10/14/2020 5:13:00PM
0J14056-CAL7	Cal Standard	Water	A20H475	"	10/14/2020 5:30:00PM
0J14056-CAL8	Cal Standard	Water	A20H476	"	10/14/2020 5:47:00PM
0J14056-CAL9	Cal Standard	Water	A20H470	"	10/14/2020 6:04:00PM
0J14056-ICV1	Initial Cal Check	Water	A20I130	"	10/14/2020 6:39:00PM
0J14056-CALA	Cal Standard	Water	A20J231	"	10/14/2020 6:56:00PM
0J14056-CALB	Cal Standard	Water	A20I180	"	10/14/2020 7:13:00PM
0J14056-CALC	Cal Standard	Water	A20I181	"	10/14/2020 7:30:00PM
0J14056-CALD	Cal Standard	Water	A20I182	"	10/14/2020 7:47:00PM
0J14056-CALE	Cal Standard	Water	A20I183	"	10/14/2020 8:04:00PM
0J14056-CALF	Cal Standard	Water	A20I184	"	10/14/2020 8:22:00PM
0J14056-CALG	Cal Standard	Water	A20I185	"	10/14/2020 8:39:00PM
0J14056-CALH	Cal Standard	Water	A20I186	"	10/14/2020 8:56:00PM
0J14056-CALI	Cal Standard	Water	A20I179	"	10/14/2020 9:13:00PM
0J14056-ICV2	Initial Cal Check	Water	A20I187	"	10/14/2020 9:47:00PM
0J14056-CALJ	Cal Standard	Water	A20J232	"	10/14/2020 10:05:00PM
0J14056-CALK	Cal Standard	Water	A20F057	"	10/14/2020 10:22:00PM
0J14056-CALL	Cal Standard	Water	A20F058	"	10/14/2020 10:39:00PM
0J14056-CALM	Cal Standard	Water	A20F059	"	10/14/2020 10:56:00PM
0J14056-CALN	Cal Standard	Water	A20F060	"	10/14/2020 11:14:00PM
0J14056-CALO	Cal Standard	Water	A20F061	"	10/14/2020 11:32:00PM
0J14056-CALP	Cal Standard	Water	A20F056	"	10/14/2020 11:49:00PM
0J14056-ICV3	Initial Cal Check	Water	A20F062	"	10/15/2020 12:24:00AM
0J14056-CALQ	Cal Standard	Water	A20J233	"	10/15/2020 12:41:00AM
0J14056-CALR	Cal Standard	Water	A20F064	"	10/15/2020 12:58:00AM
0J14056-CALS	Cal Standard	Water	A20F065	"	10/15/2020 1:15:00AM
0J14056-CALT	Cal Standard	Water	A20F066	"	10/15/2020 1:33:00AM
0J14056-CALU	Cal Standard	Water	A20D430	"	10/15/2020 1:50:00AM
0J14056-CALV	Cal Standard	Water	A20D431	"	10/15/2020 2:07:00AM
0J14056-CALW	Cal Standard	Water	A20F063	"	10/15/2020 2:24:00AM
0J14056-ICV4	Initial Cal Check	Water	A20F067	"	10/15/2020 2:59:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0J1506**

Instrument: **DUALECD5F**

1311/8081B TCLP Pest Reg L

Sequence: **0J14056**

Matrix: **Water**

0J14056-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0J14056

0J14056-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Chlordane (Technical)	940.0000	0.00	1000	0	
Chlordane (Technical) [2C]	940.0000	0.00	1000	0	
0J14056-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Chlordane (Technical)	940.0000	0.00	2000	0	
Chlordane (Technical) [2C]	940.0000	0.00	2000	0	
0J14056-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J14056-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: **0J14056**

0J14056-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	1000	0	
Toxaphene (Total) [2C]	940.0000	0.00	1000	0	
0J14056-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	2000	0	
Toxaphene (Total) [2C]	940.0000	0.00	2000	0	

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

Analytes With Quadratic Curve Fits

Qualifier iMDL iMRL Spike Amt %Difference OK? Raise MRL to ?

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0J1506**

Instrument: **DUALECD5F**

608.3 Pest + Add (250mL) - Dc

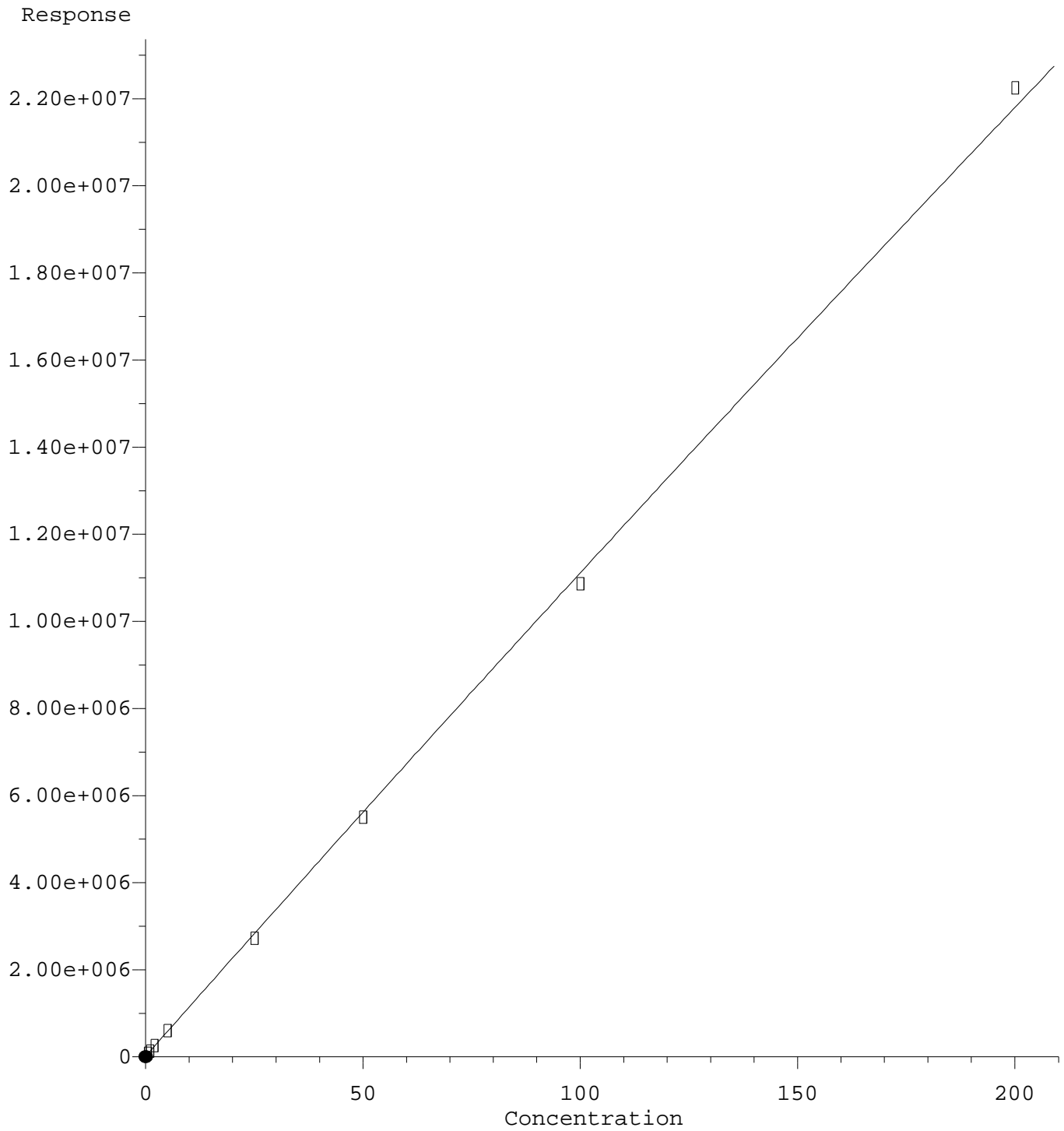
Sequence: **0J14056**

Matrix: **Water**

0J14056-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
0J14056-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual
0J14056-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual
0J14056-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.

b-BHC



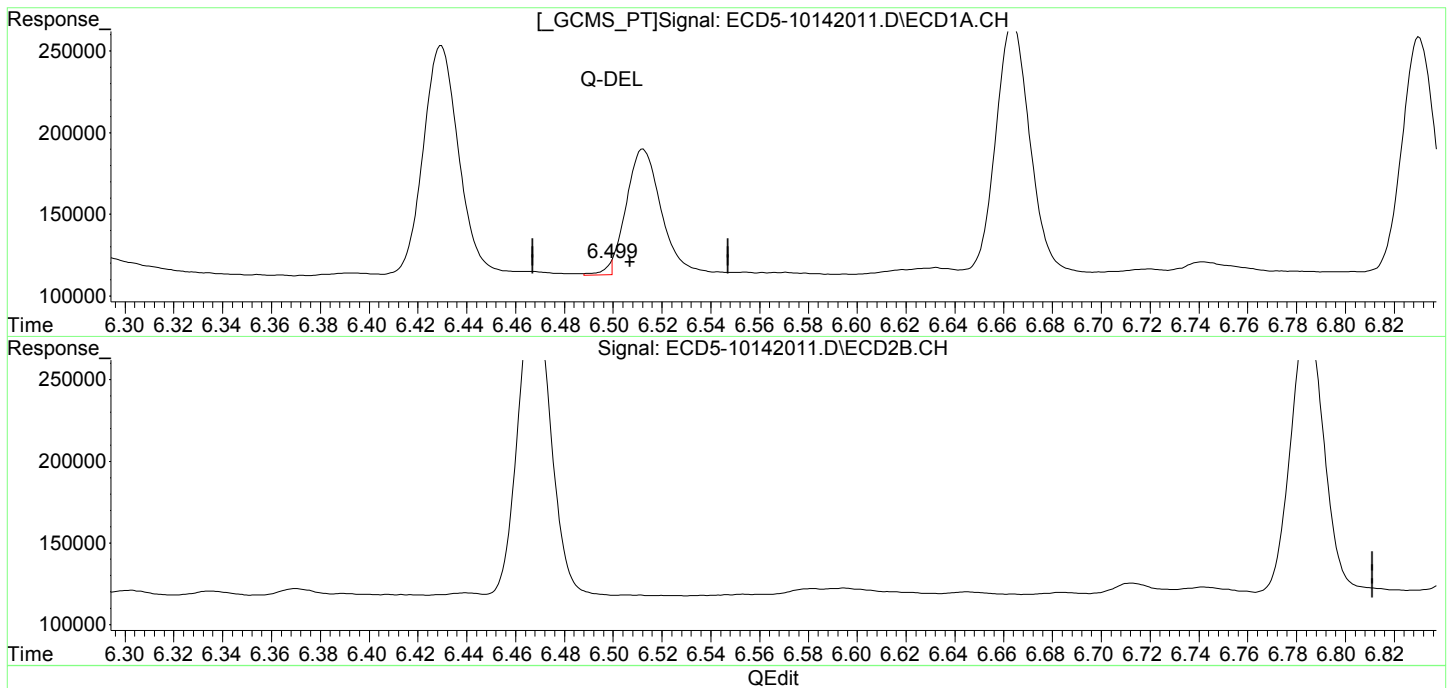
R = -1.99e+001 A*A + 1.13e+005 A + 2.12e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

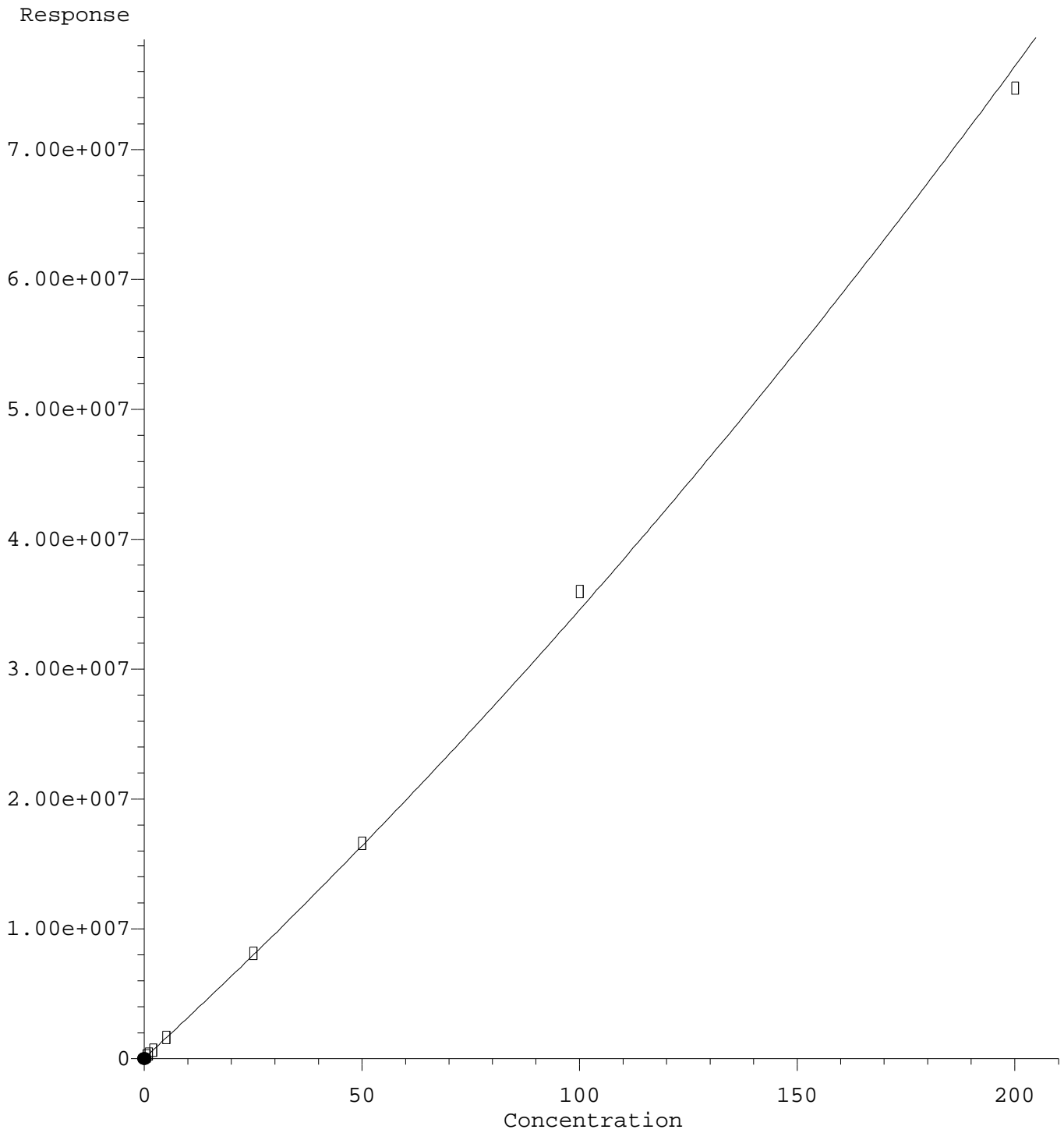


(4) b-BHC
~~6.499min 5685.373 ng/mL m-~~
response 7107

MJB 10/15/20

(4) b-BHC #2
6.853min 0.596 ng/mL
response 90501

d-BHC #2



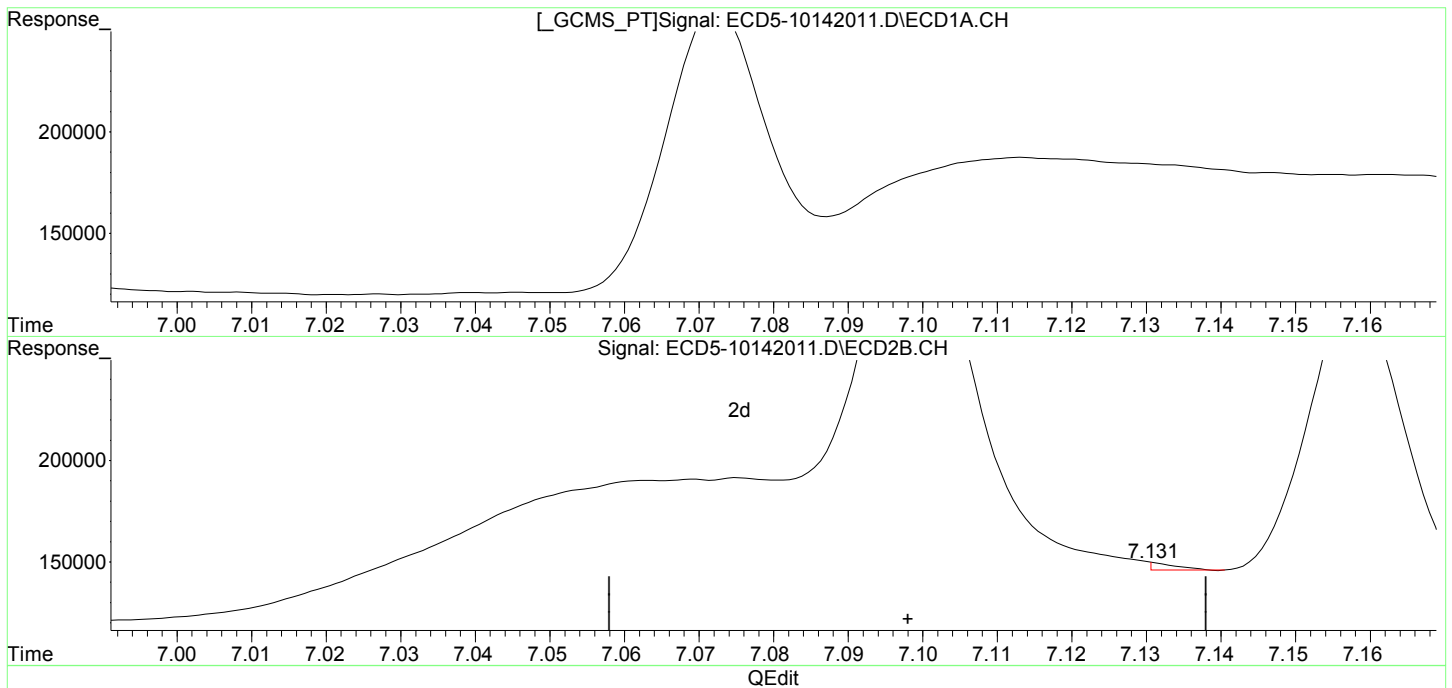
R = 3.70e+002 A*A + 3.08e+005 A + 5.97e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

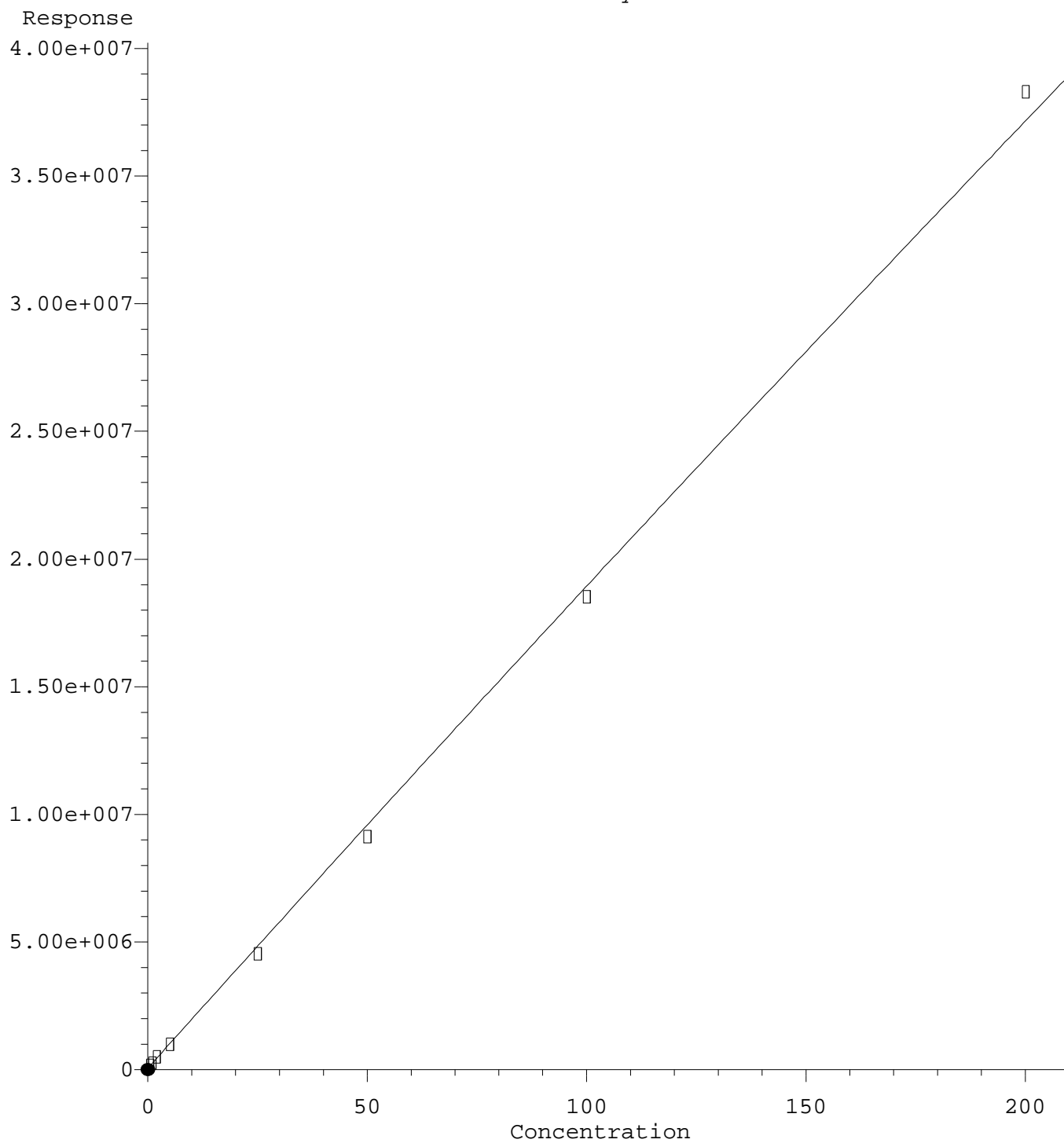


(6) d-BHC
6.664min 0.559 ng/mL
response 153083

MJB 10/15/20

(6) d-BHC #2
7.131min -0.181 ng/mL m
response 3968

Endrin Aldehyde



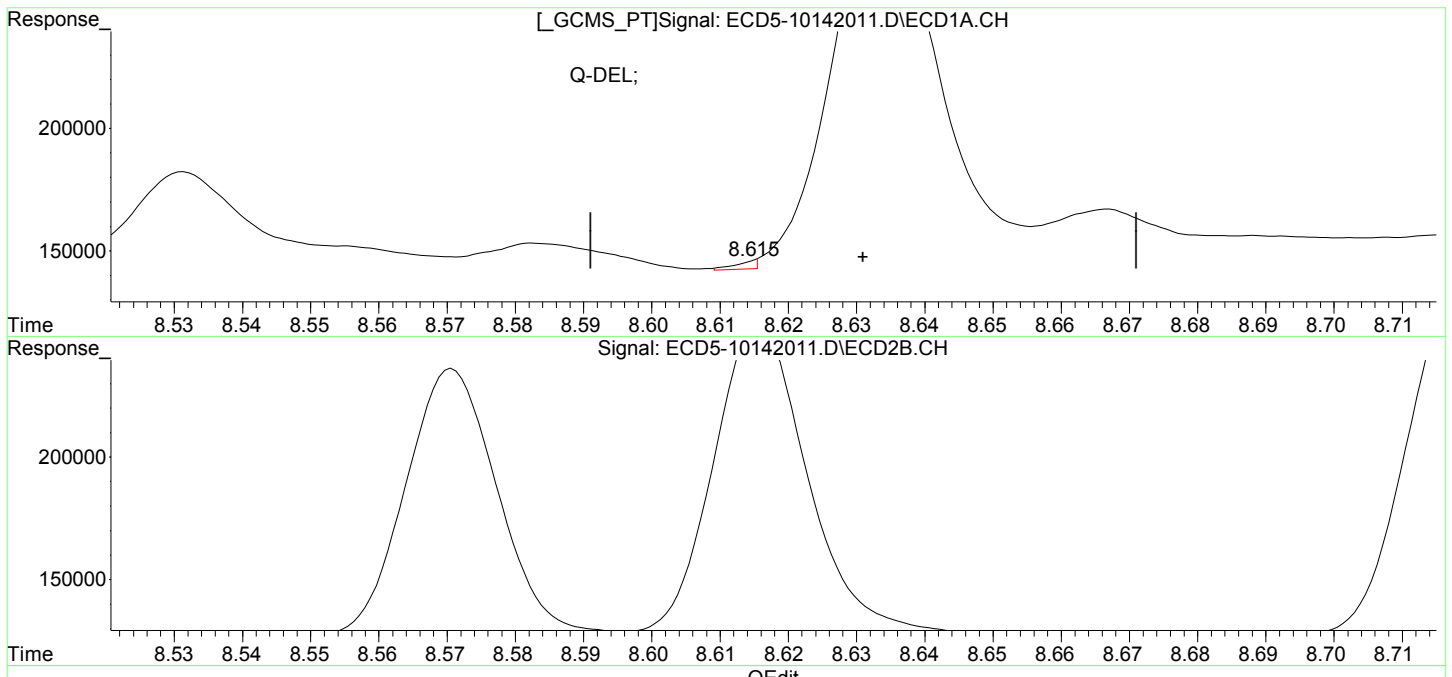
R = -3.19e+001 A*A + 1.92e+005 A + 6.98e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

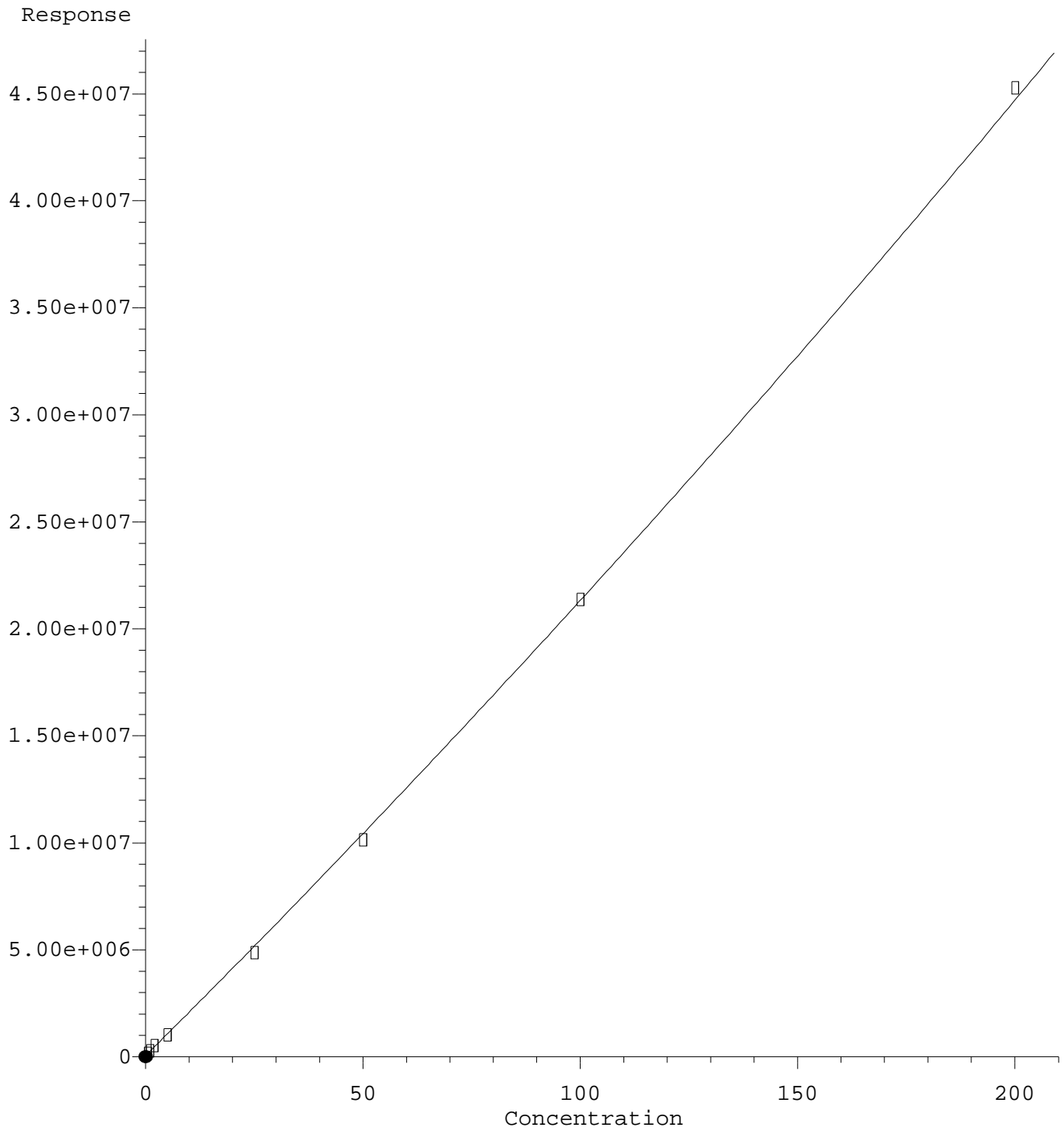


(18) Endrin Aldehyde
~~8.615min 6021.211 ng/mL m-~~
response ~~3457~~

MJB 10/15/20

(18) Endrin Aldehyde #2
8.951min 0.471 ng/mL
response 161530

Endrin Aldehyde #2



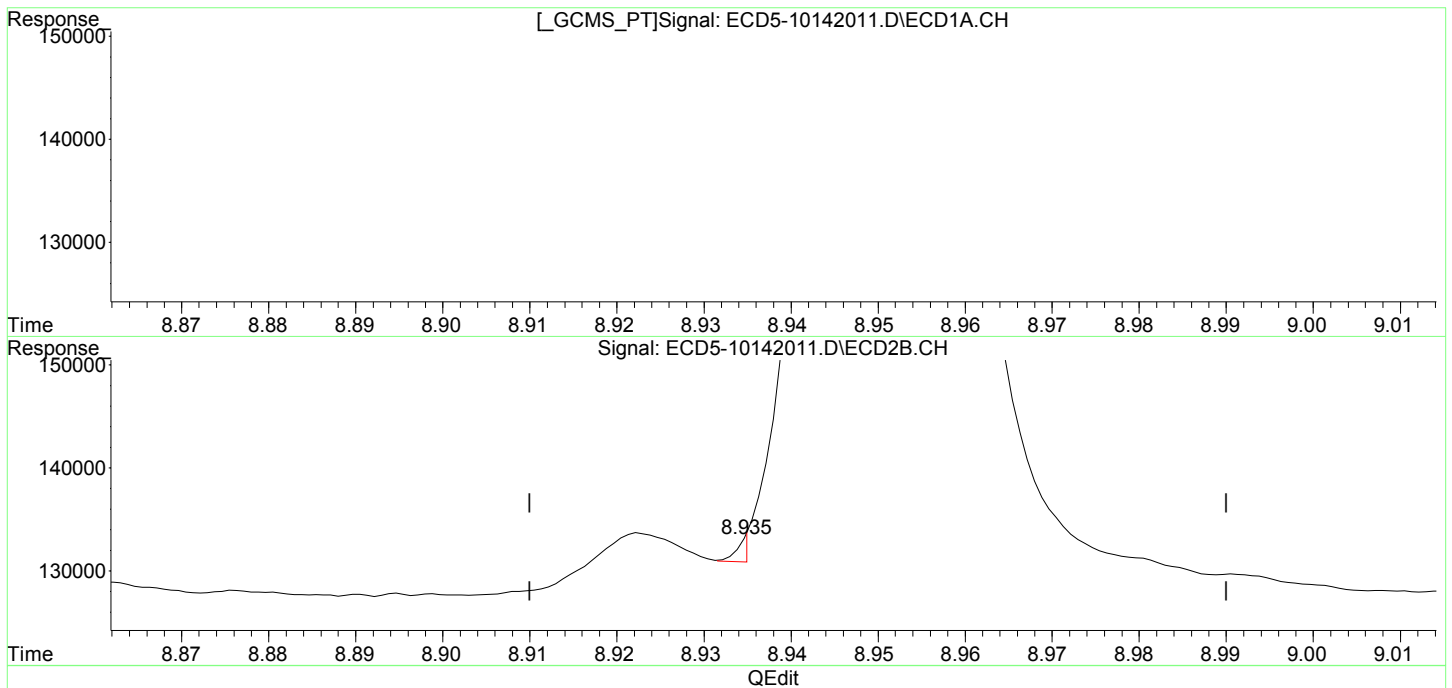
R = 1.07e+002 A*A + 2.02e+005 A + 6.63e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

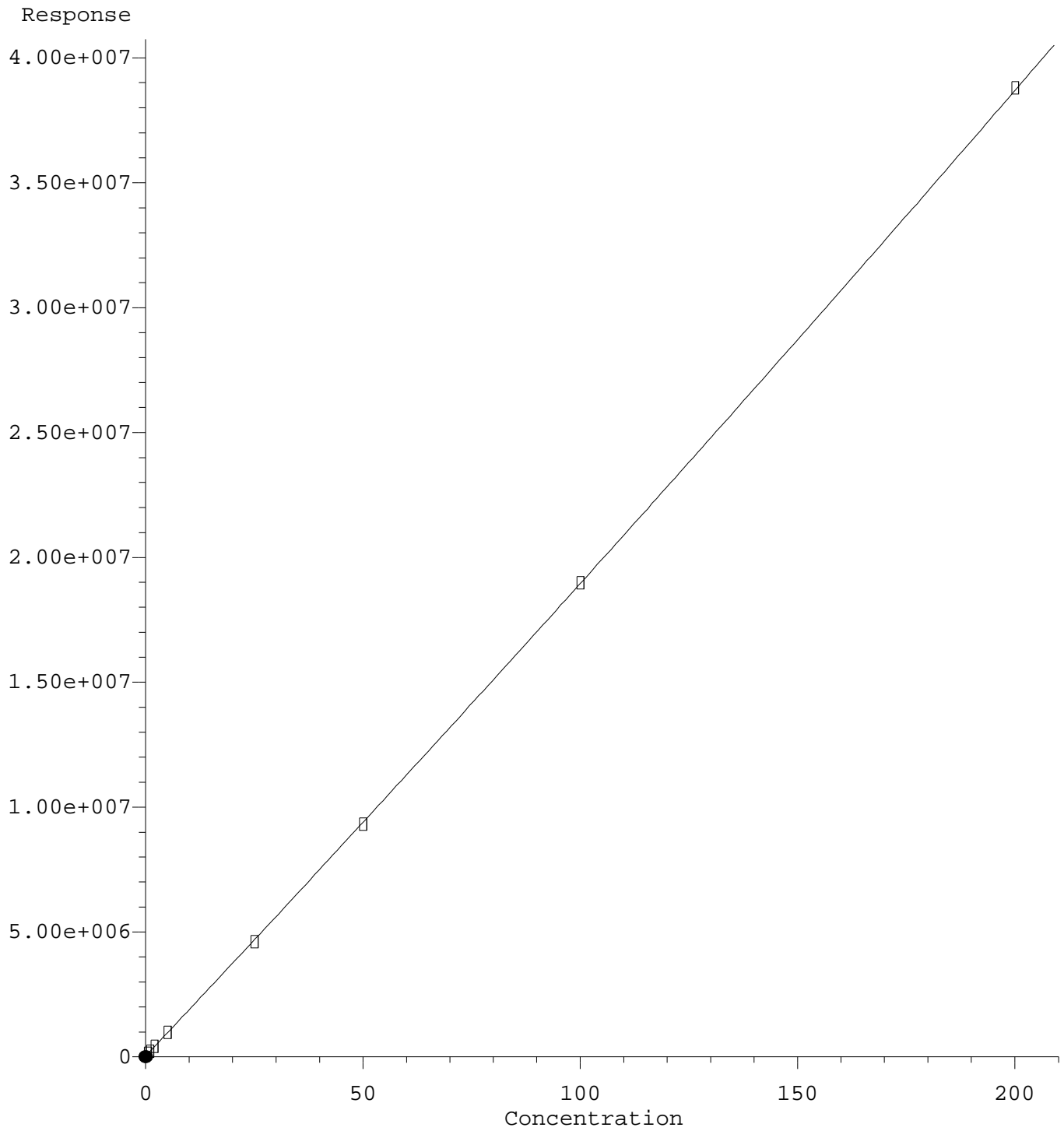


(18) Endrin Aldehyde
8.615min 6021.211 ng/mL m
response 3157

MJB 10/15/20

(18) Endrin Aldehyde #2
8.935min -0.317 ng/mL m
response 2295

Endosulfan Sulfate



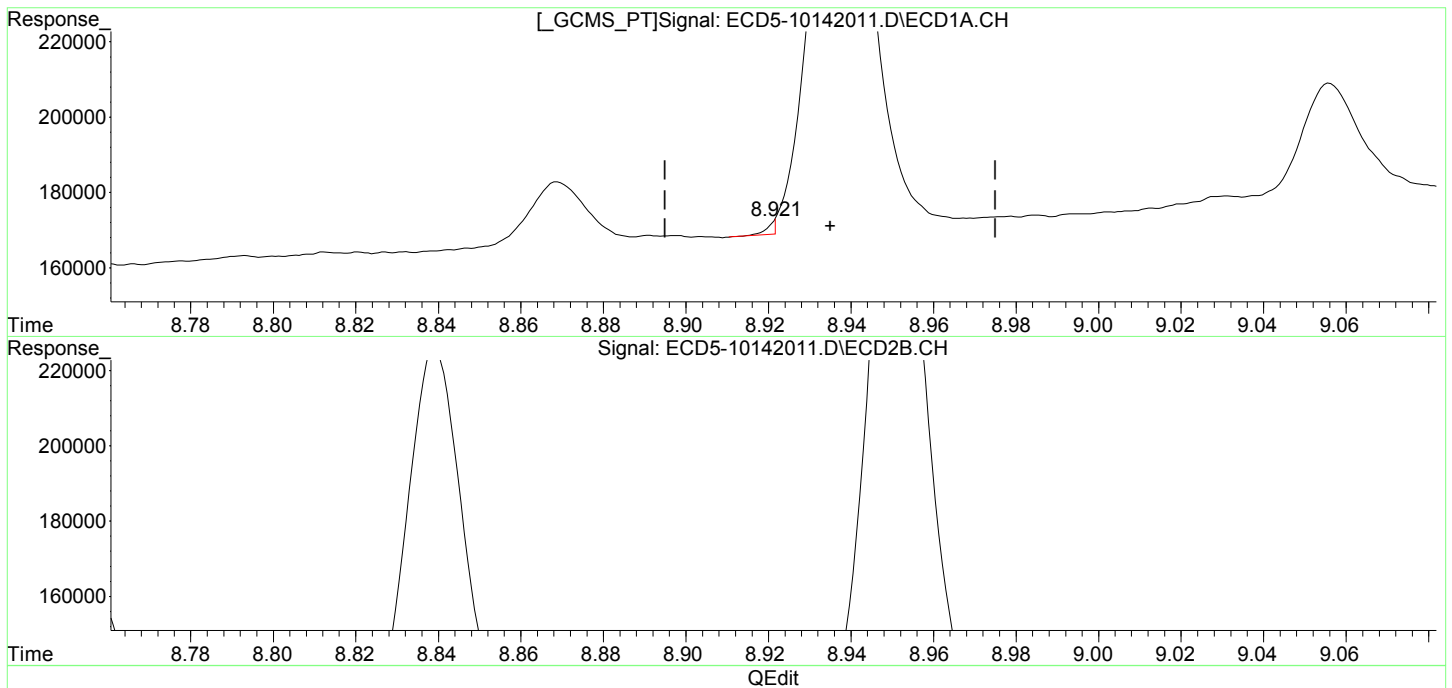
R = 4.26e+001 A*A + 1.85e+005 A + 4.35e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

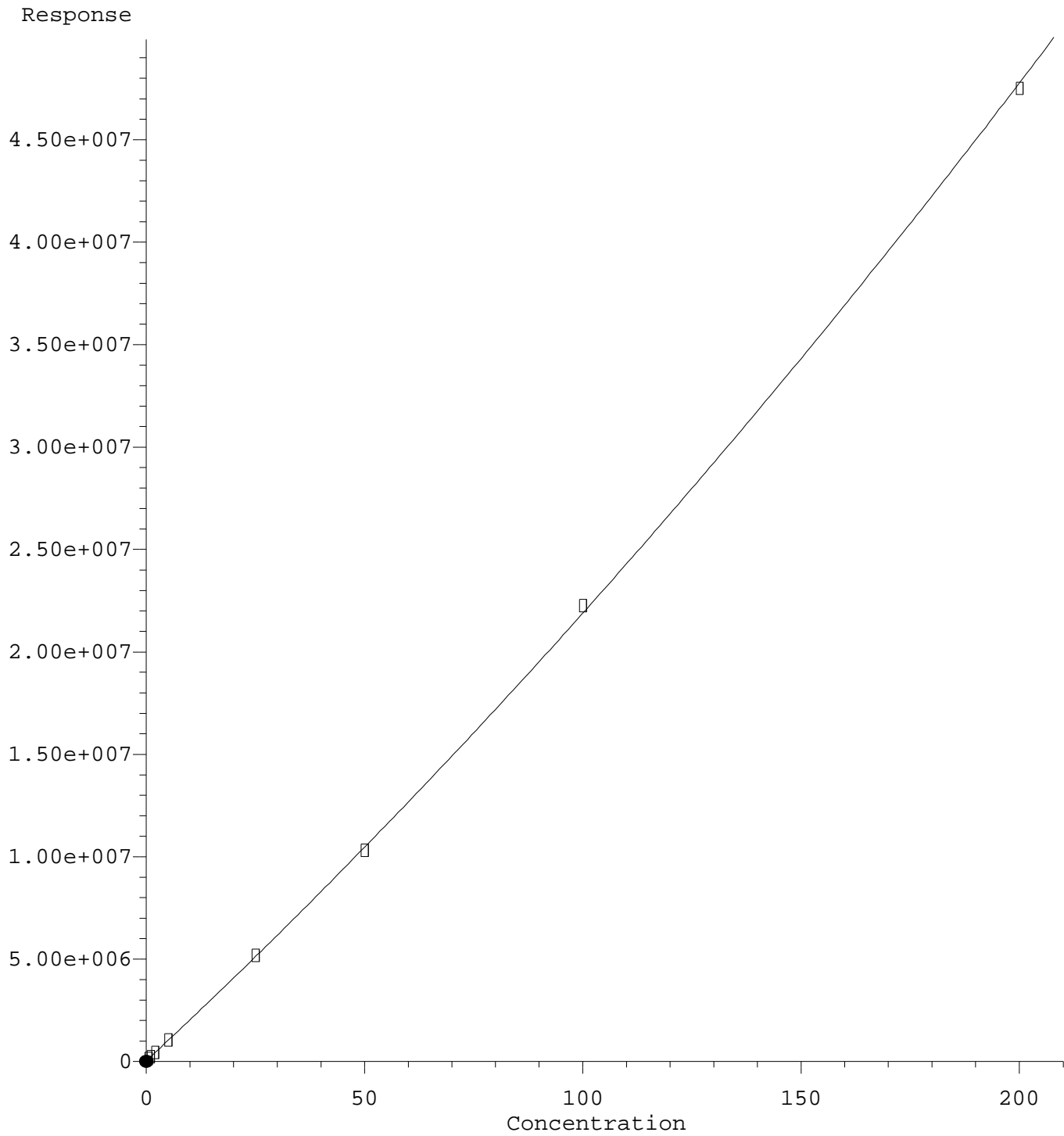


(19) Endosulfan Sulfate
8.921min -0.216 ng/mL m
response 3508

MJB 10/15/20

(19) Endosulfan Sulfate #2
9.144min 0.507 ng/mL
response 143250

Endosulfan Sulfate #2



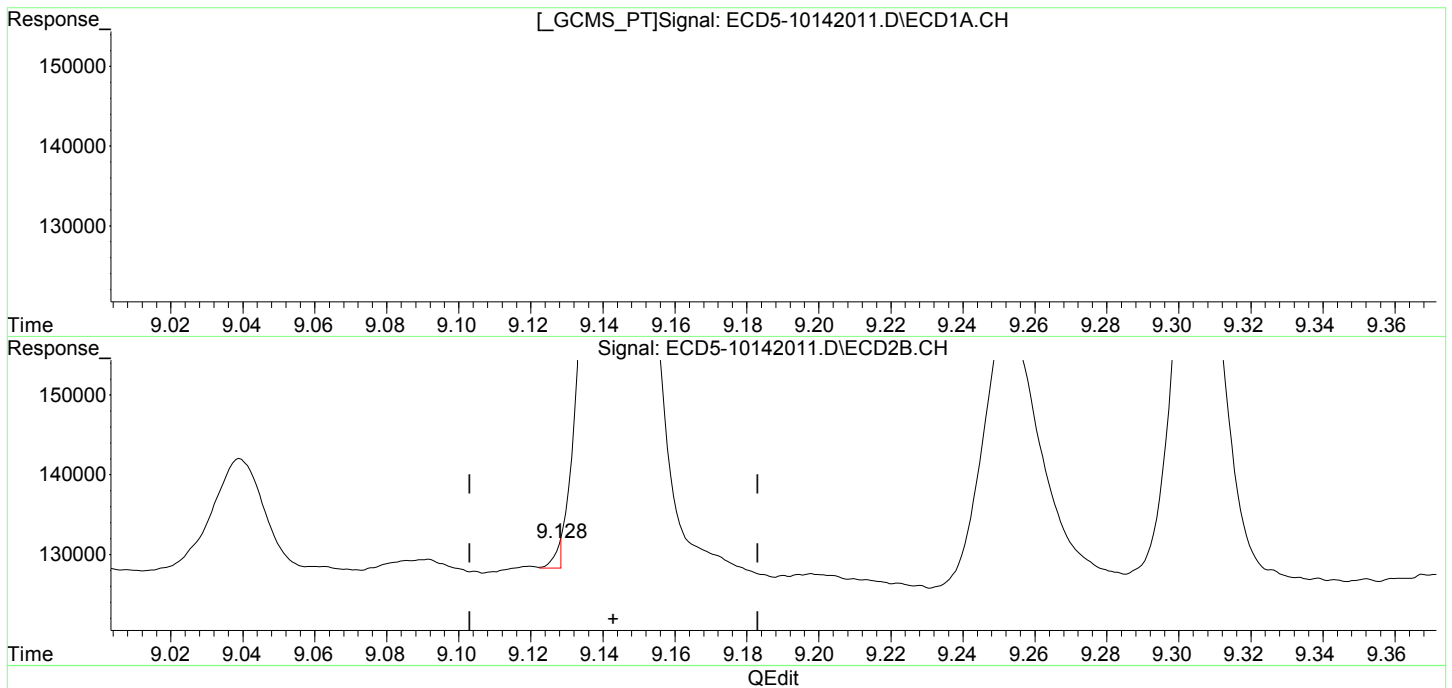
R = 2.03e+002 A*A + 1.98e+005 A + 4.27e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

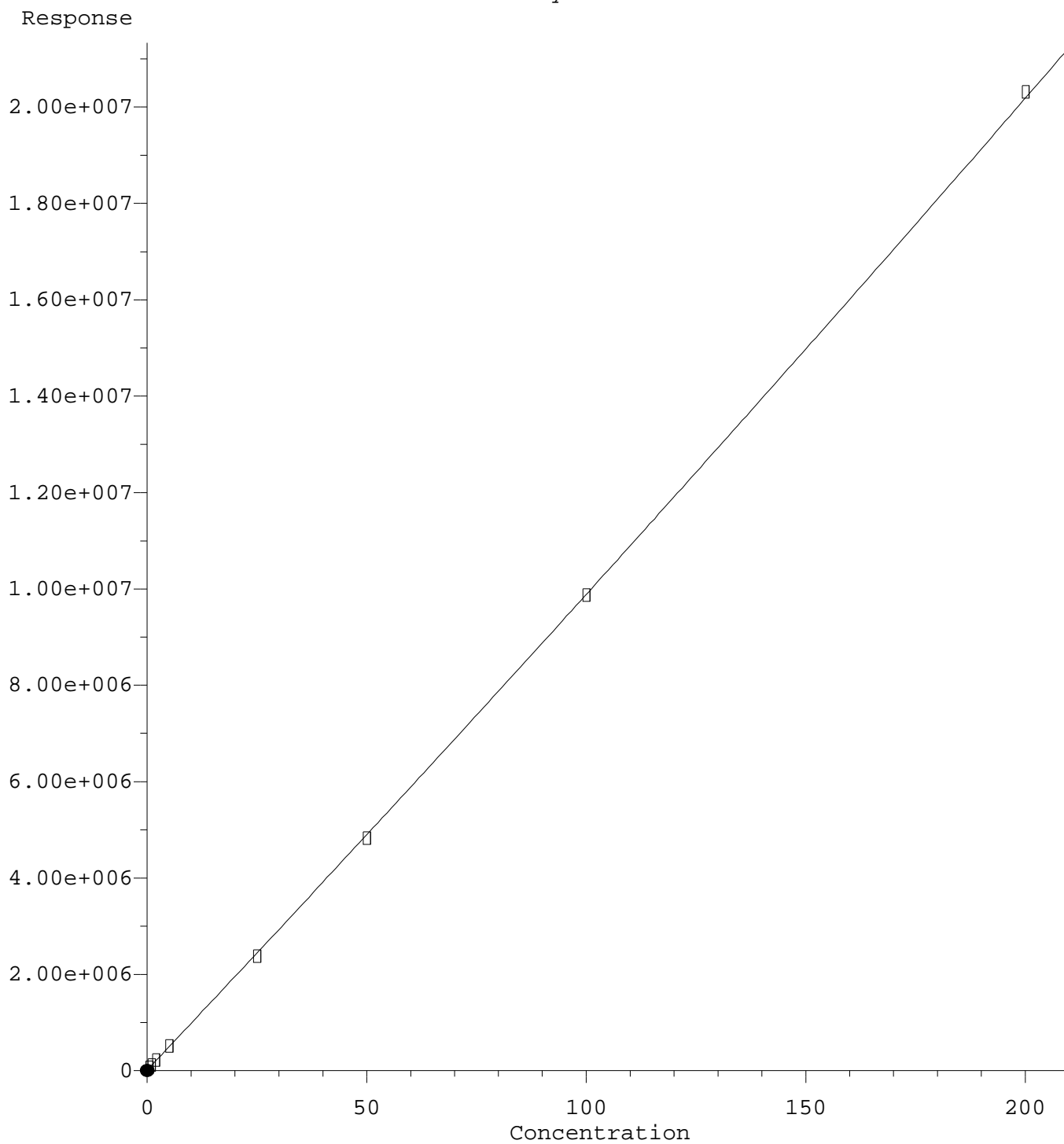


(19) Endosulfan Sulfate
8.921min -0.216 ng/mL m
response 3508

MJB 10/15/20

(19) Endosulfan Sulfate #2
9.128min -0.200 ng/mL m
response 3160

Methoxychlor



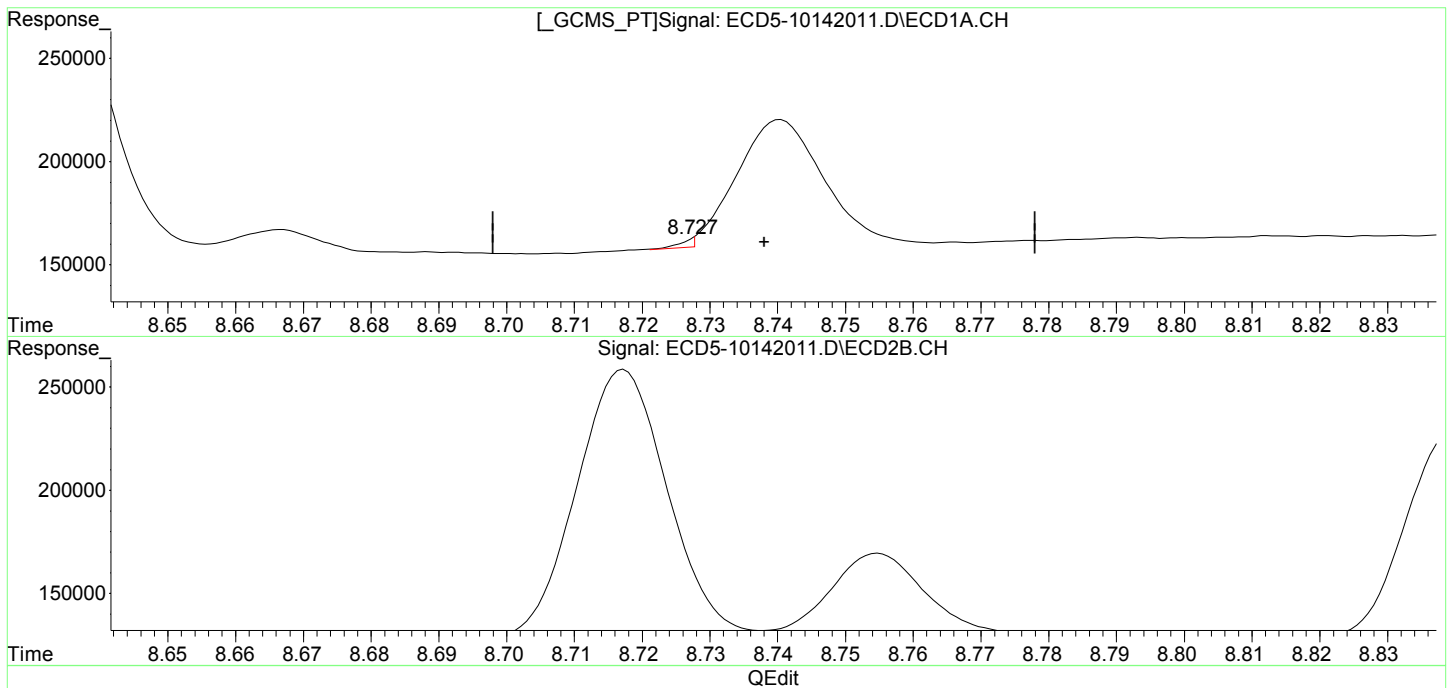
R = 2.20e+001 A*A + 9.65e+004 A + 1.87e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



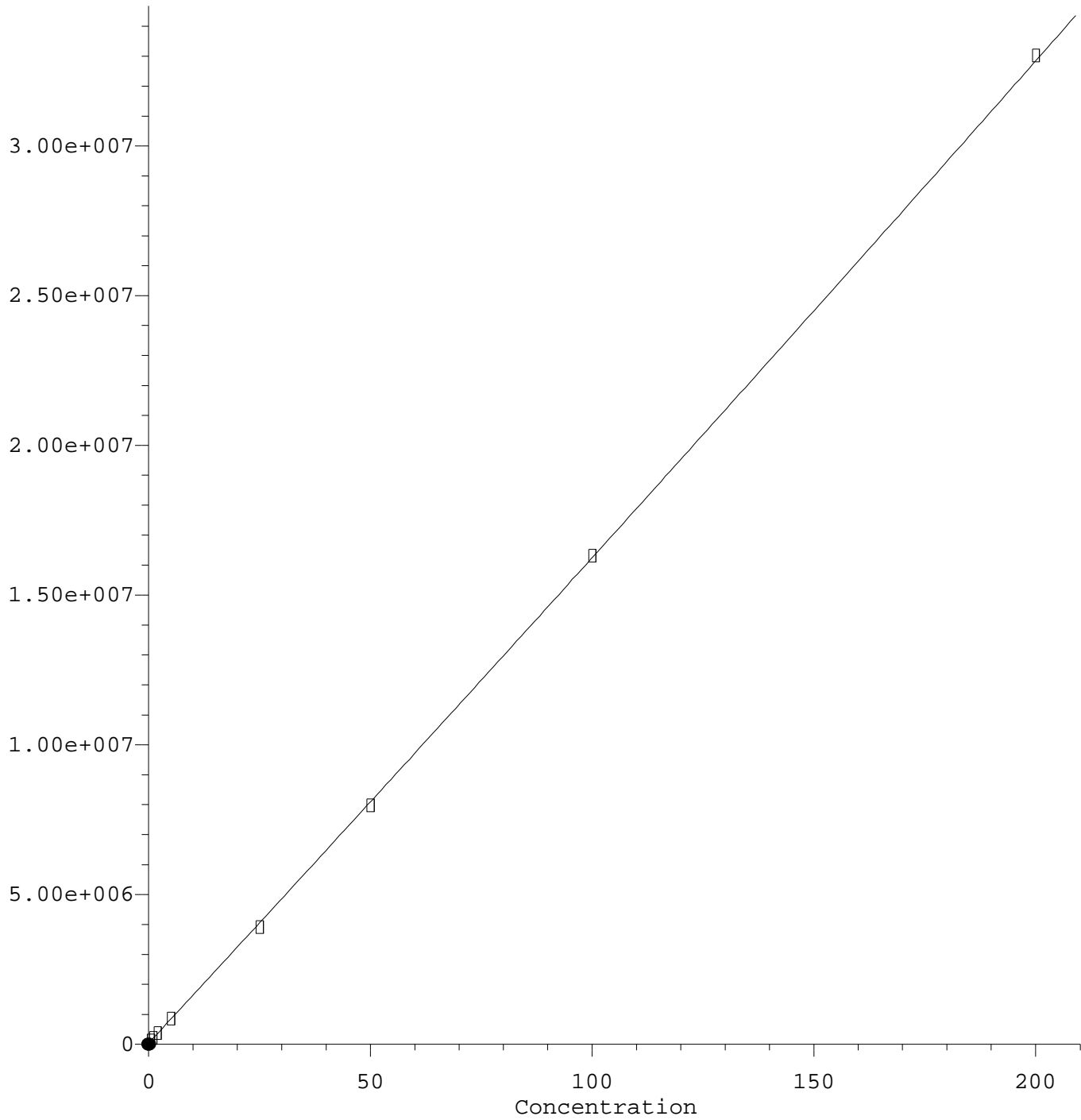
(20) Methoxychlor
8.727min -0.153 ng/mL m
response 3942

MJB 10/15/20

(20) Methoxychlor #2
9.305min 0.586 ng/mL
response 56609

DCBP (S)

Response



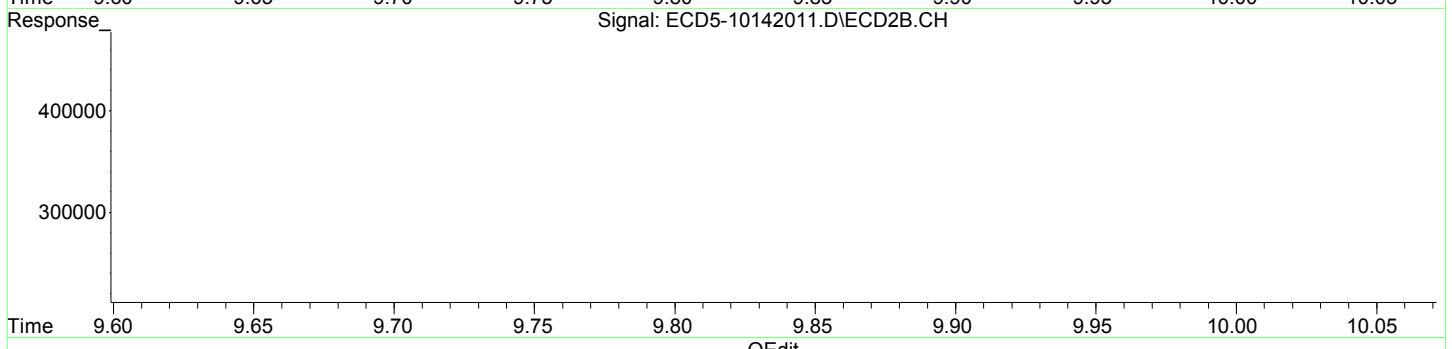
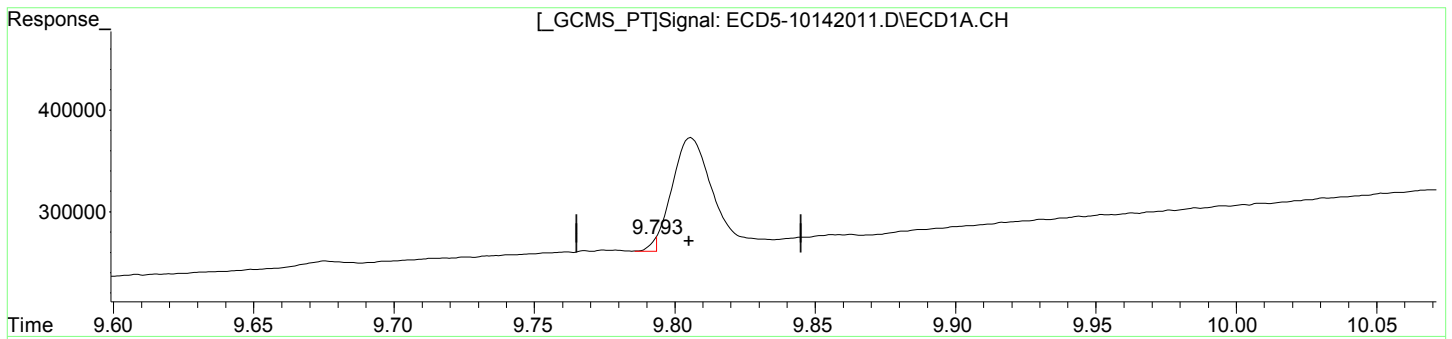
R = 2.00e+001 A*A + 1.60e+005 A + 4.83e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

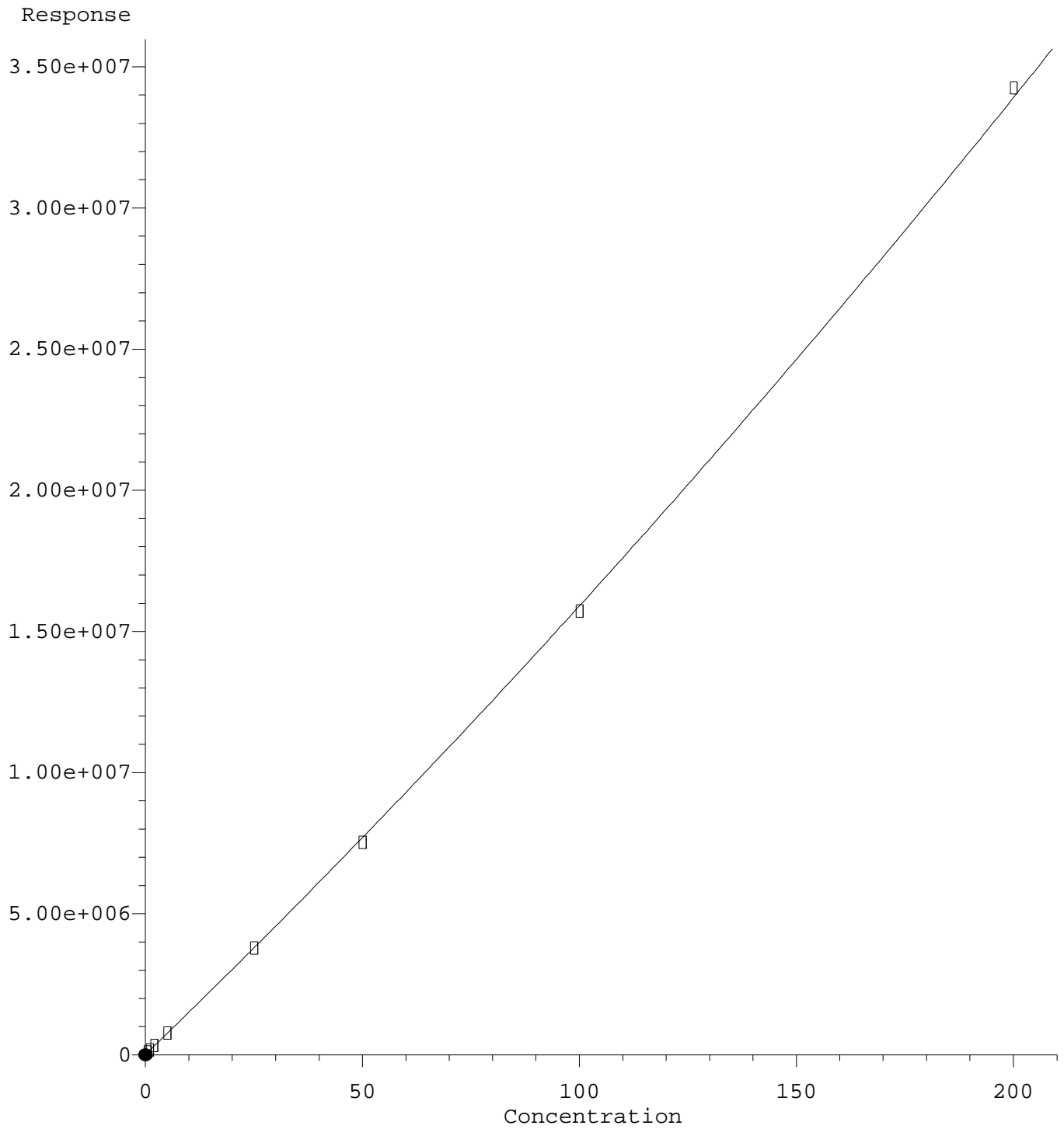


(22) DCBP (S) (S)
9.793min -0.227 ng/mL m
response 12049

MJB 10/15/20

(22) DCBP (S) #2 (S)
10.368min 0.493 ng/mL
response 102135

DCBP (S) #2



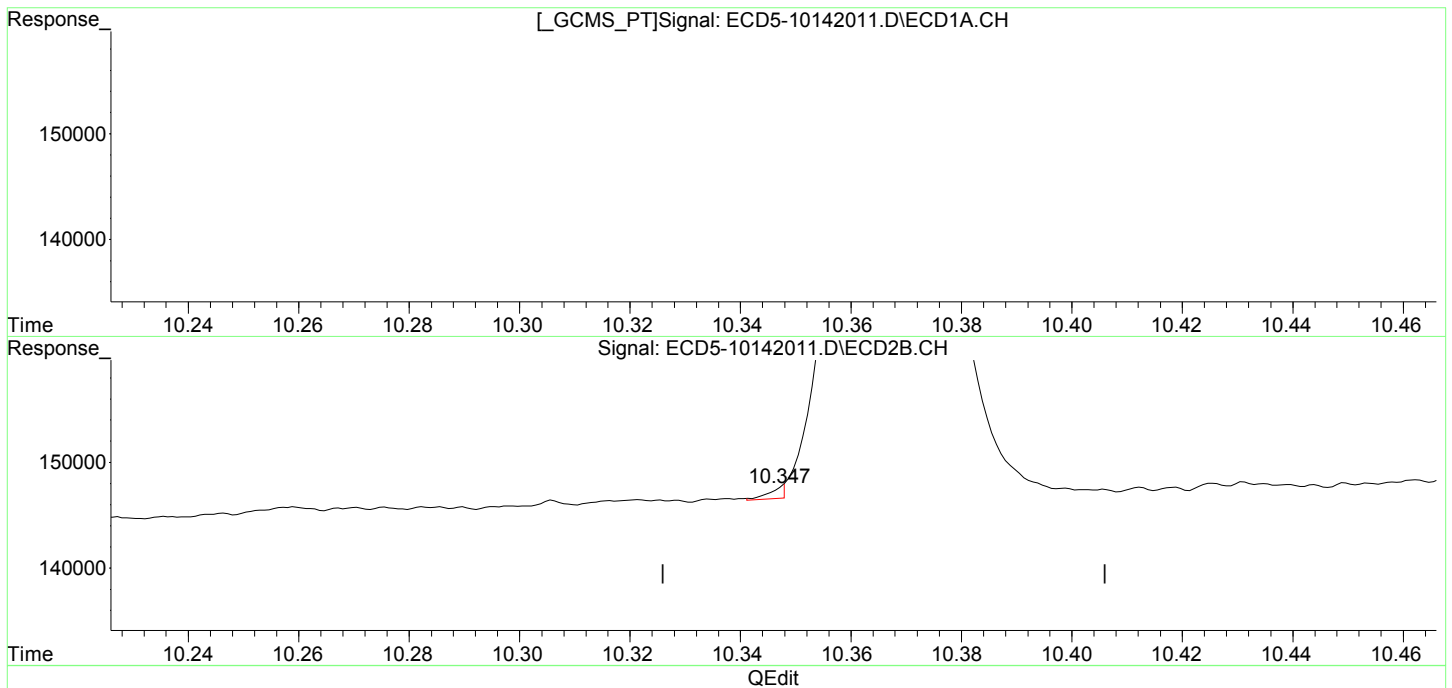
R = 1.07e+002 A*A + 1.48e+005 A + 2.92e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

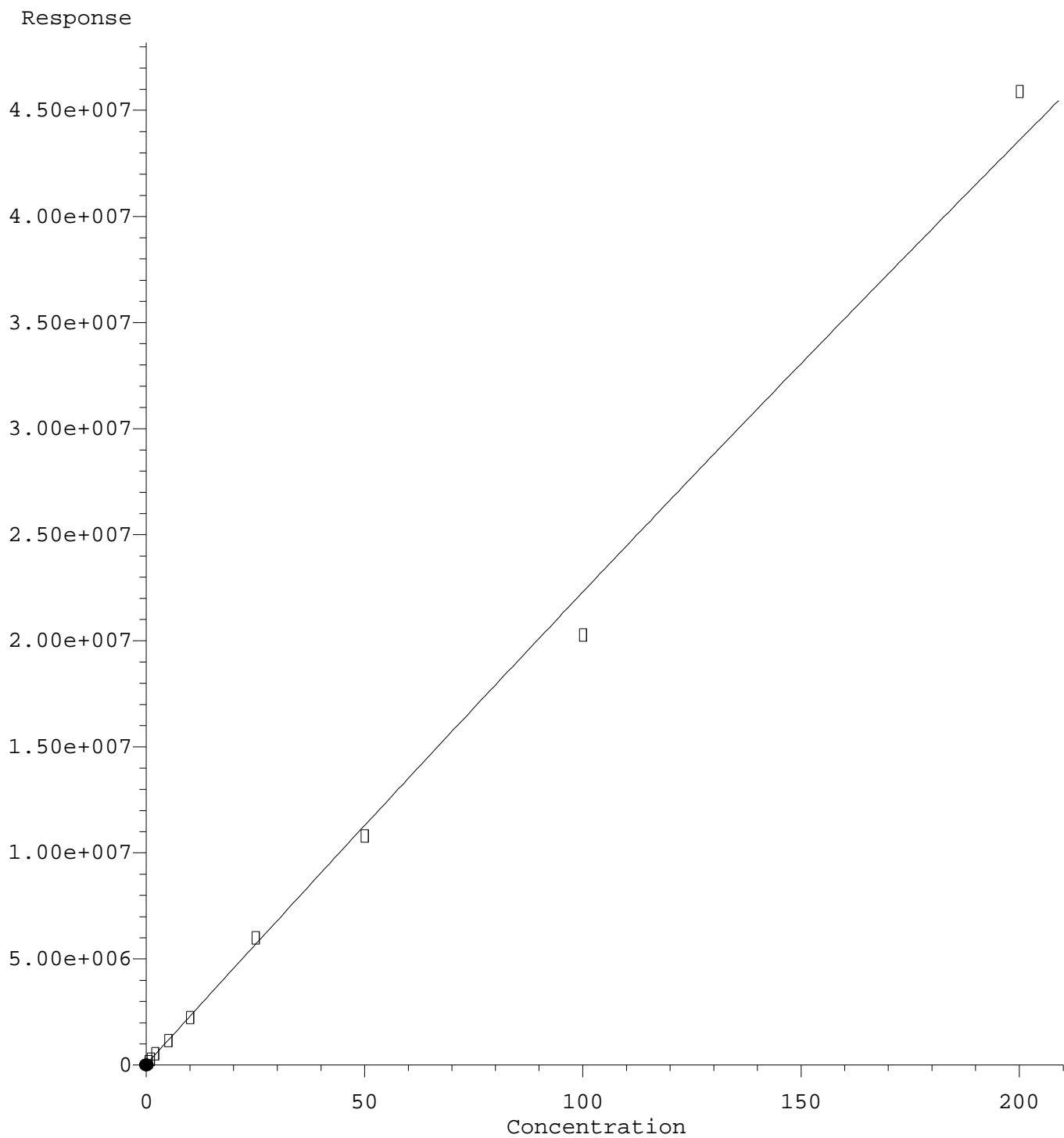


(22) DCBP (S) (S)
9.793min -0.227 ng/mL m
response 12049

MJB 10/15/20

(22) DCBP (S) #2 (S)
10.347min -0.190 ng/mL m
response 1030

Hexachlorobutadiene



$R = -4.77e+001 A^2 + 2.27e+005 A + 4.06e+004$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a²)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M

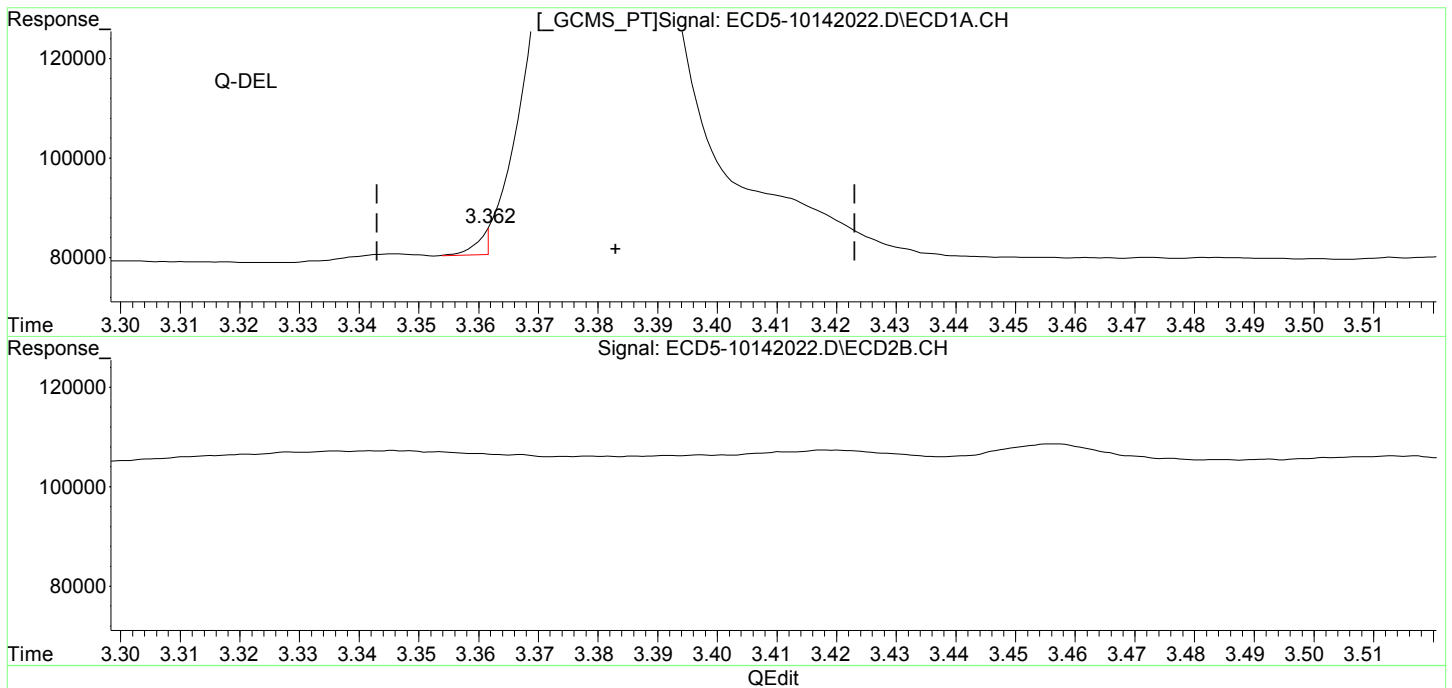
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

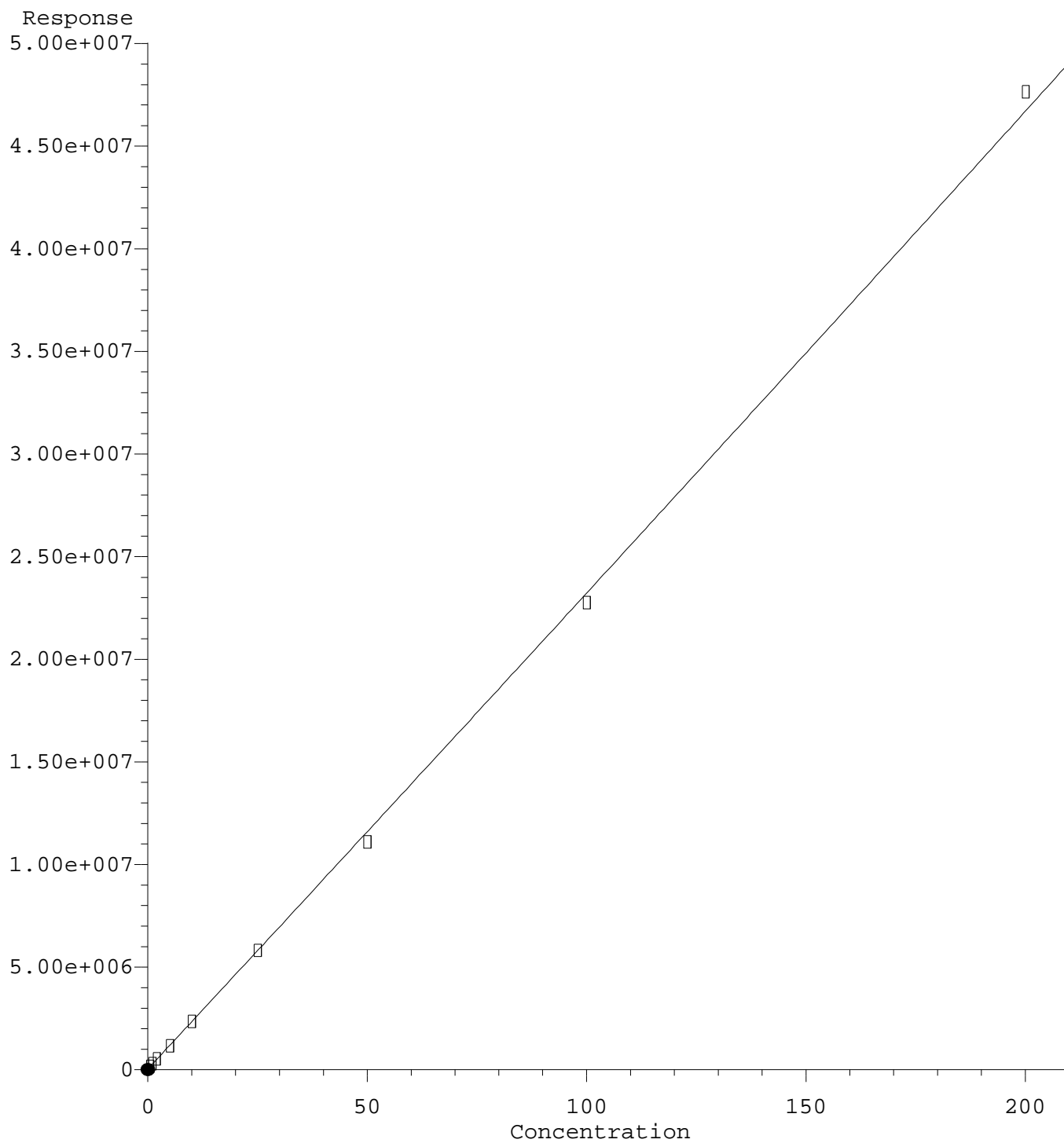


(23) Hexachlorobutadiene
~~3.362min 4770.085 ng/mL m-~~
response ~~5283~~

MJB 10/15/20

(23) Hexachlorobutadiene #2
3.586min 0.574 ng/mL
response 206112

Hexachlorobenzene



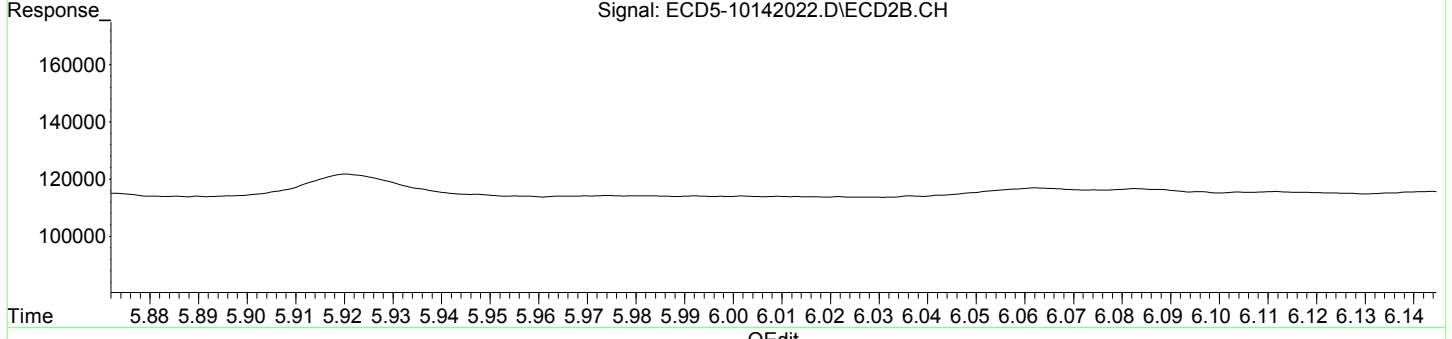
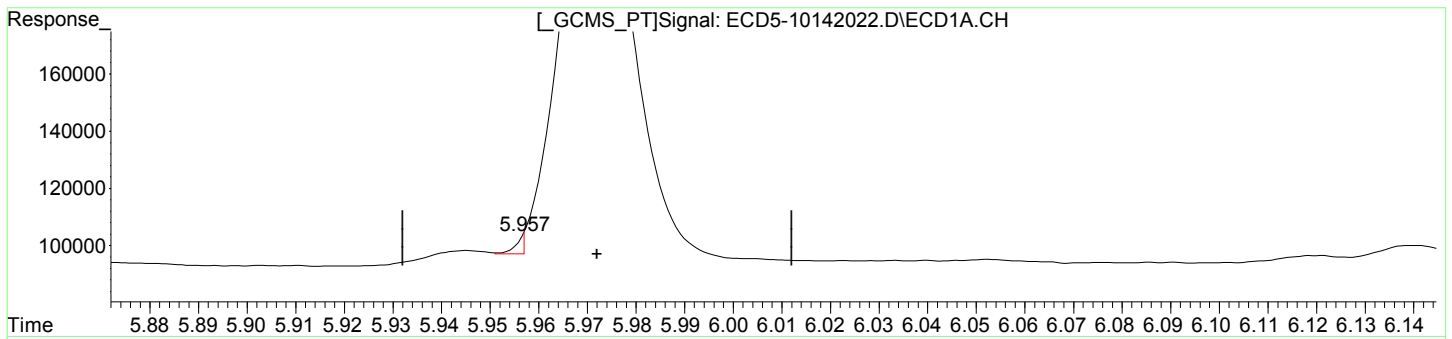
R = 1.62e+001 A*A + 2.30e+005 A + 4.87e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

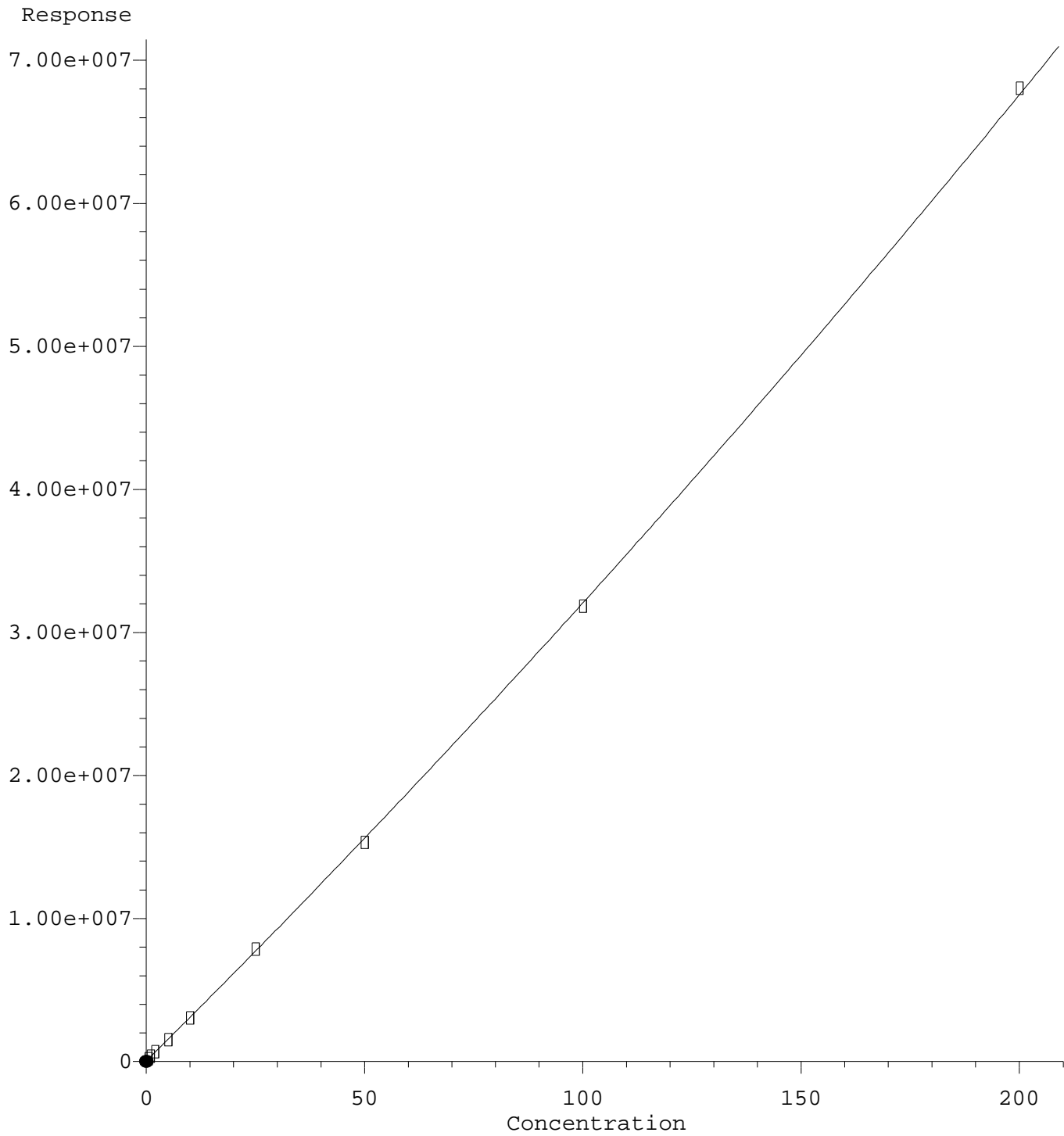
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



QEdit

(24) Hexachlorobenzene 5.957min -0.185 ng/mL m response 6265	<i>MJB 10/15/20</i>
(24) Hexachlorobenzene #2 6.334min 0.483 ng/mL response 201011	

Hexachlorobenzene #2



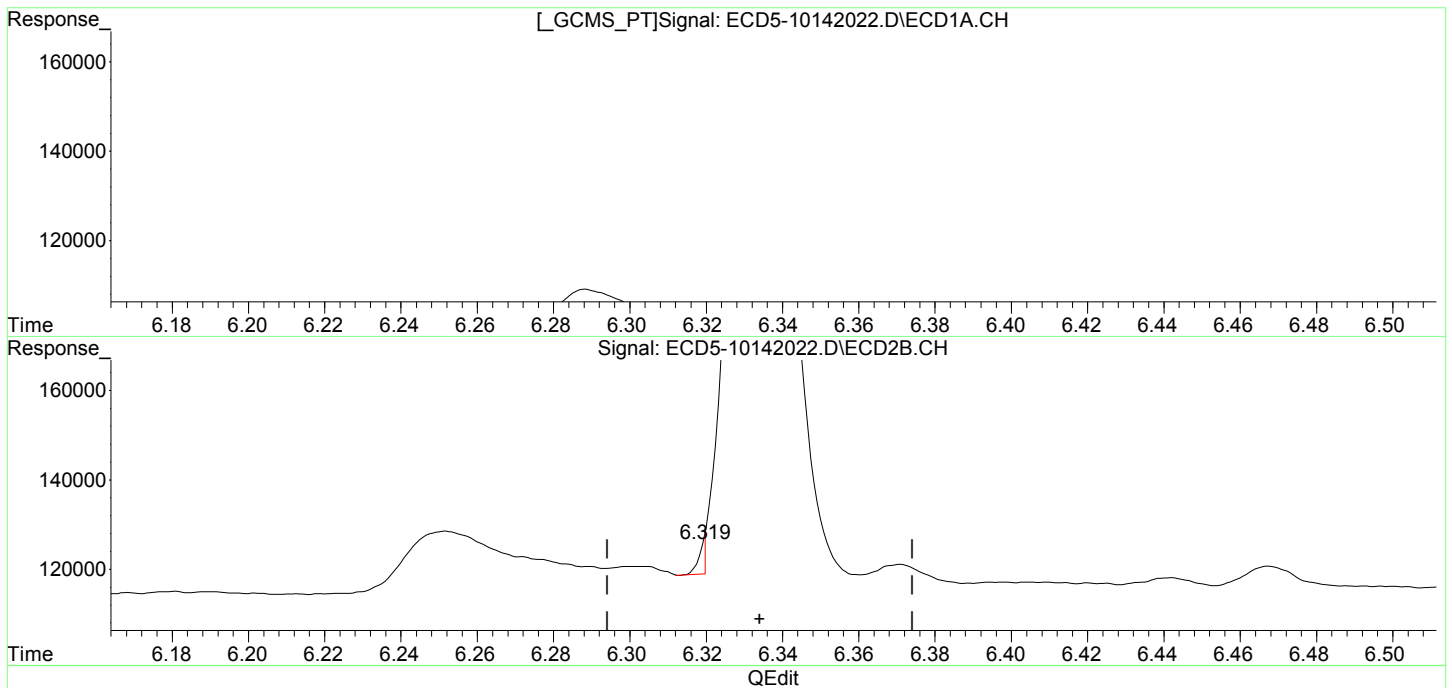
R = 1.77e+002 A*A + 3.02e+005 A + 5.50e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

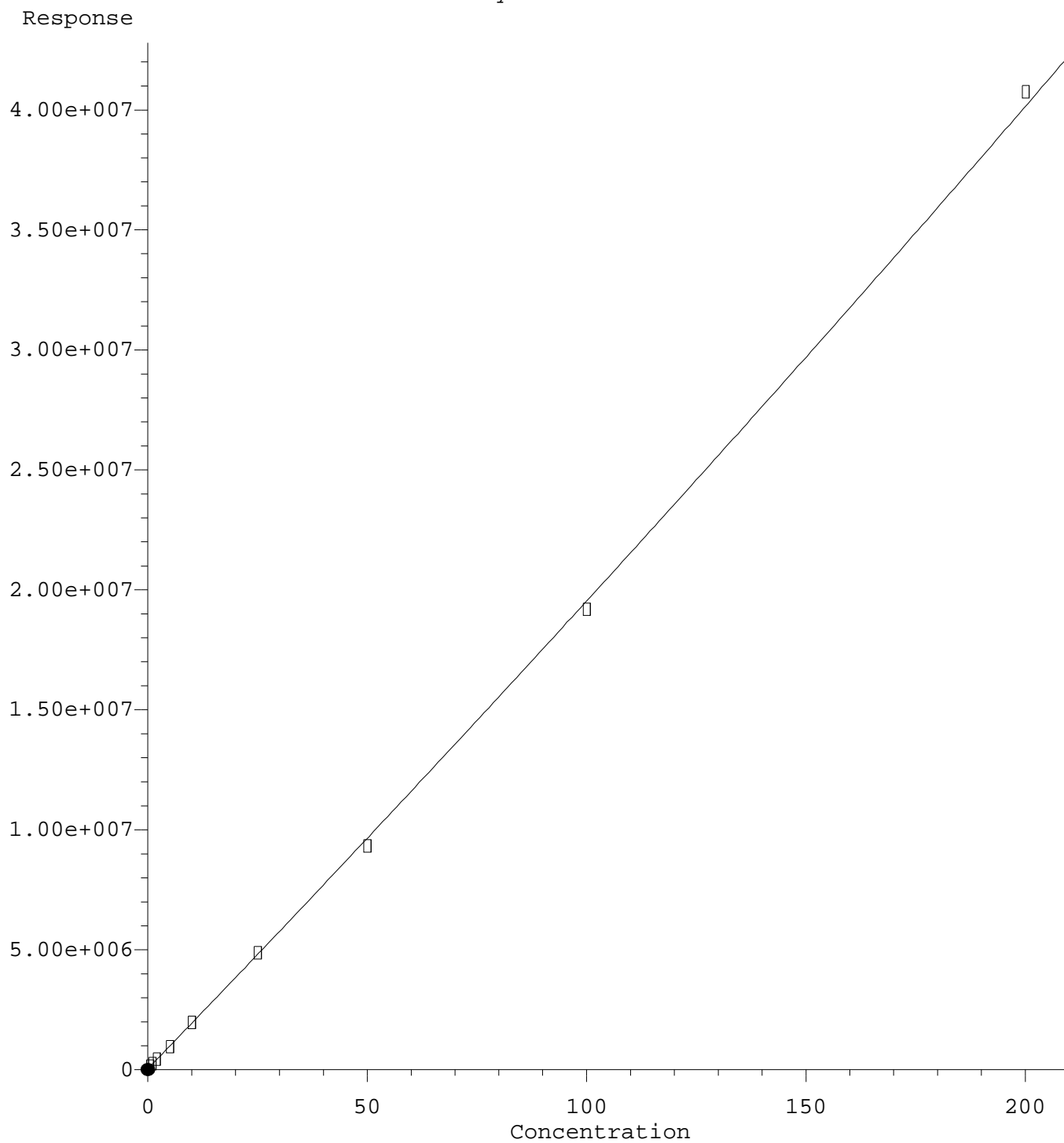


(24) Hexachlorobenzene
5.957min -0.185 ng/mL m
response 6265

MJB 10/15/20

(24) Hexachlorobenzene #2
6.319min -0.160 ng/mL m
response 6621

Oxychlorthane



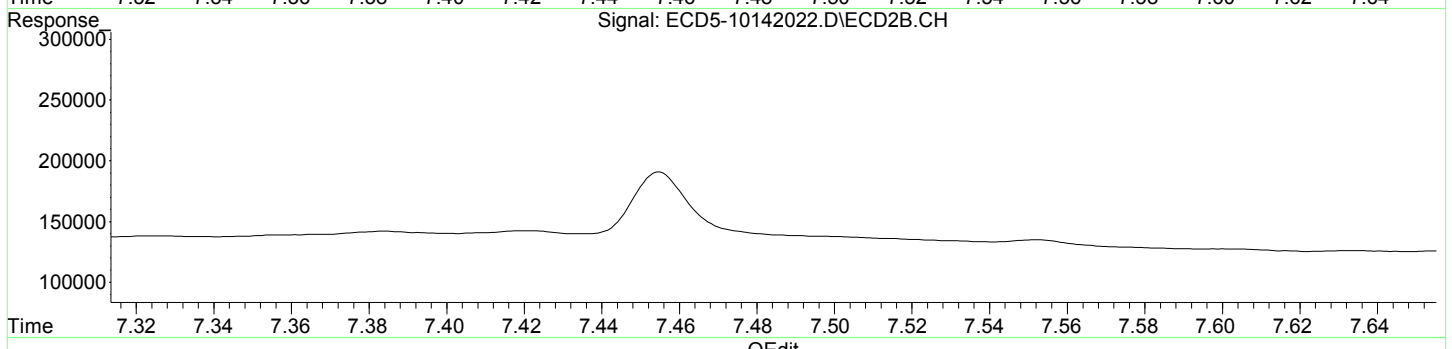
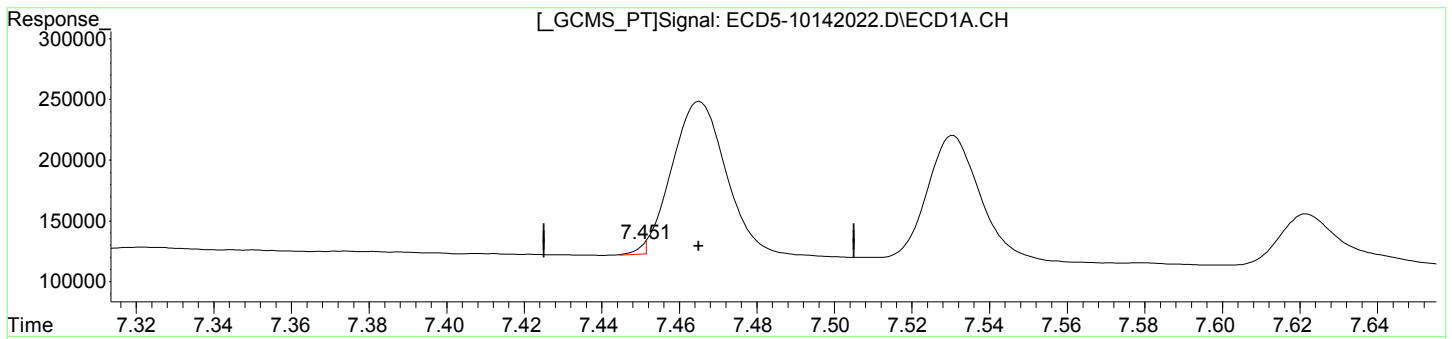
R = 5.75e+001 A*A + 1.89e+005 A + 4.88e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

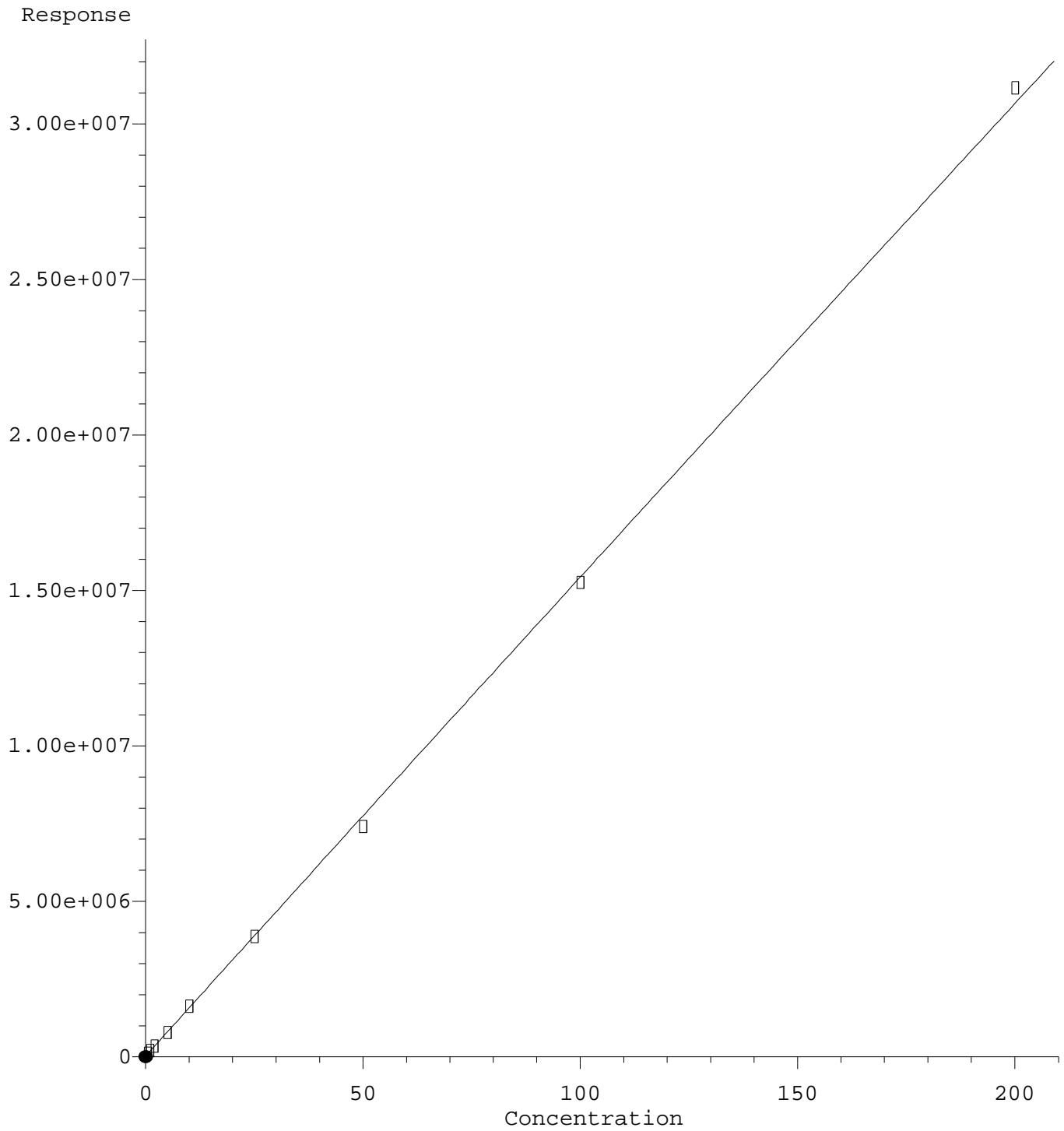
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



QEdit

(25) Oxychlordane	7.451min	-0.214 ng/mL m	response 8305	MJB 10/15/20
(25) Oxychlordane #2	7.787min	0.589 ng/mL	response 141434	

2,4'-DDE



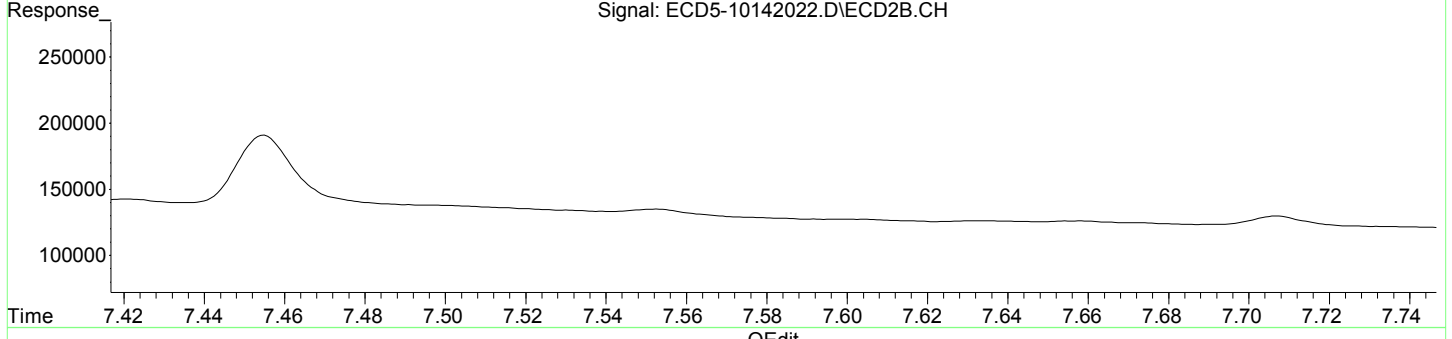
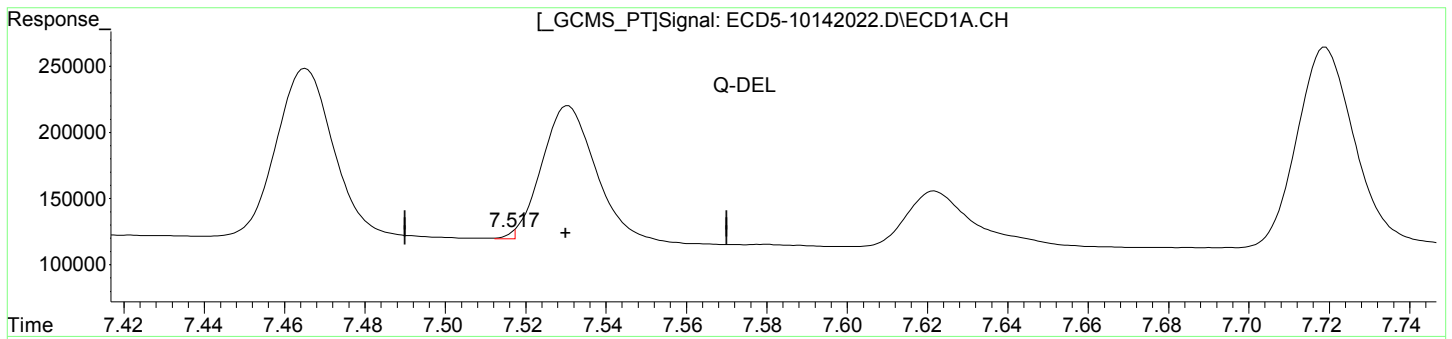
R = -7.49e+000 A*A + 1.55e+005 A + 3.49e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

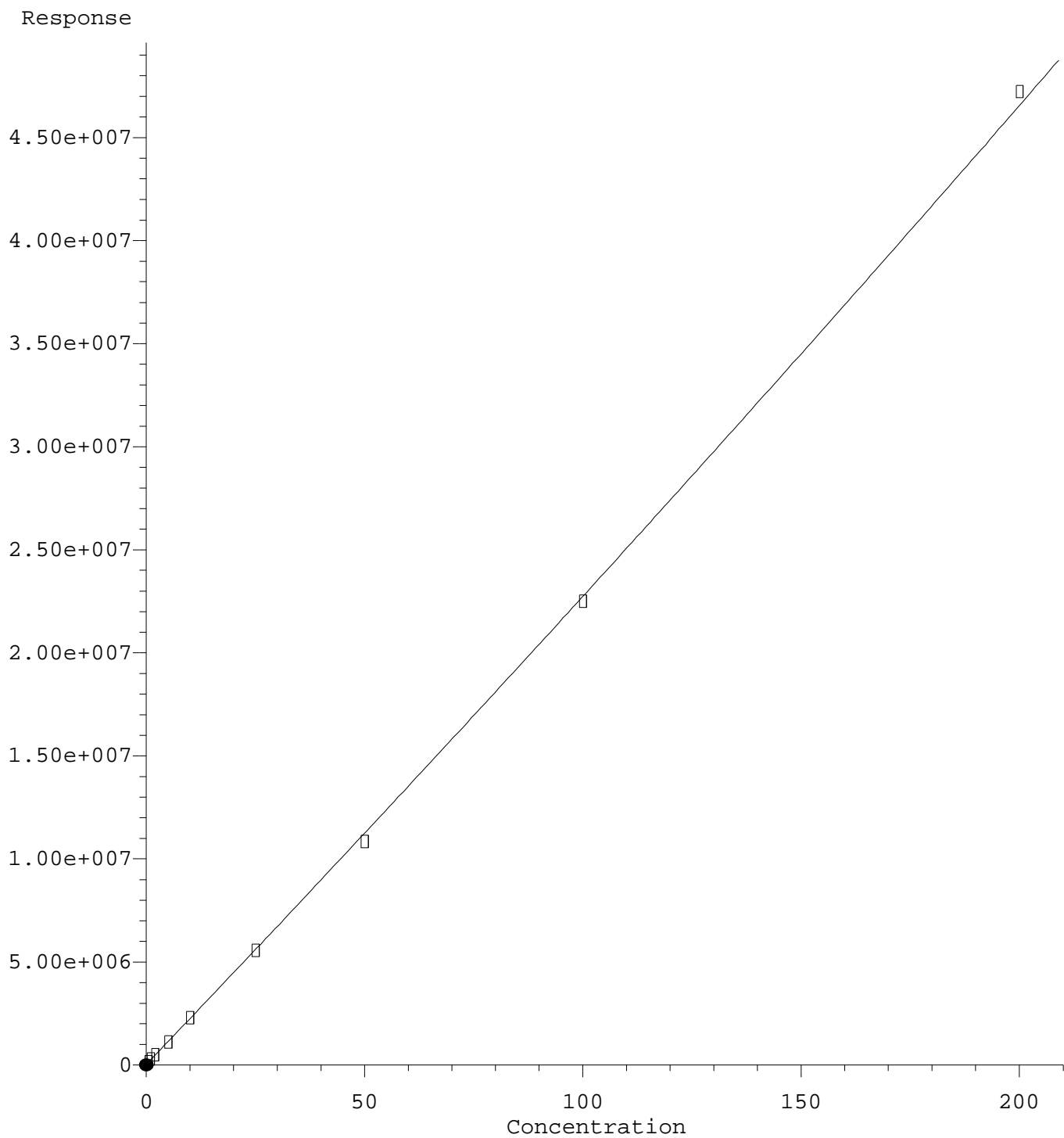


(26) 2,4'-DDE
~~7.517min 20640.366 ng/mL m~~
response 5270

MJB 10/15/20

(26) 2,4'-DDE #2
7.981min 0.572 ng/mL
response 111017

trans-Nonachlor



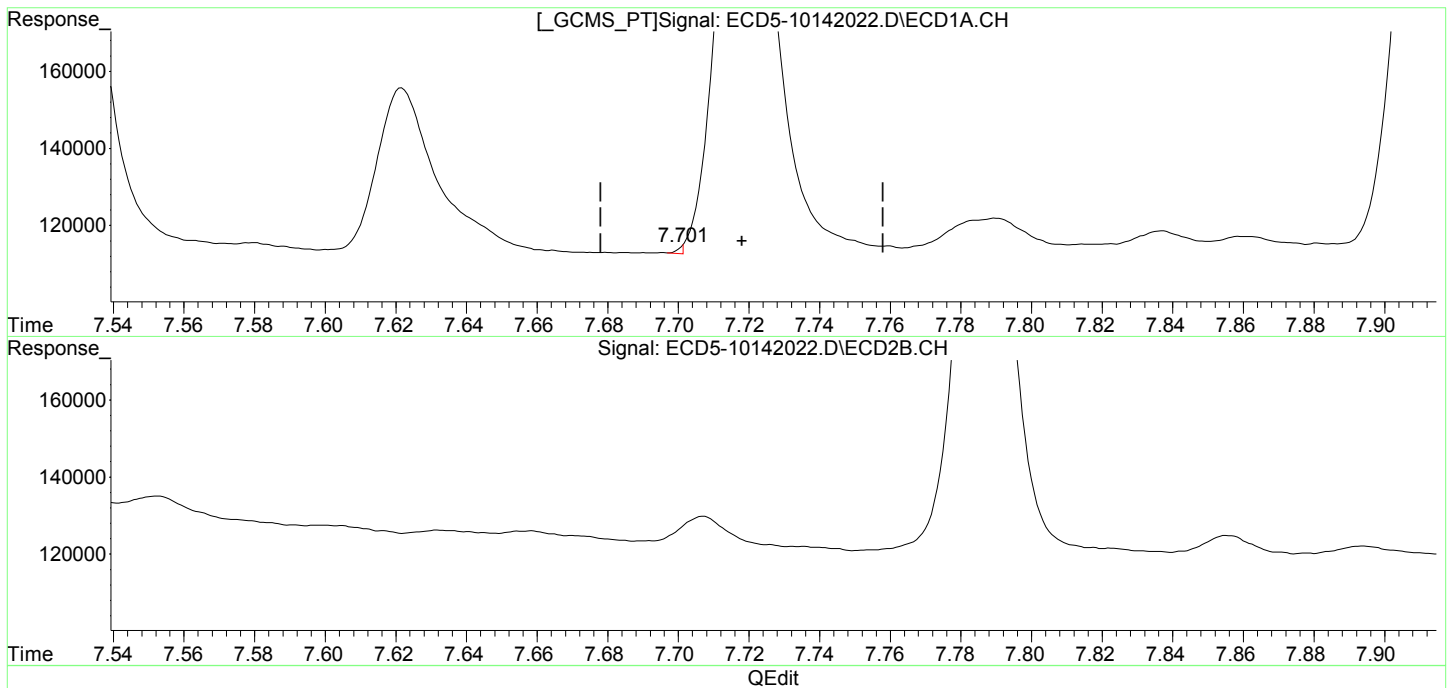
R = 5.71e+001 A*A + 2.21e+005 A + 4.63e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

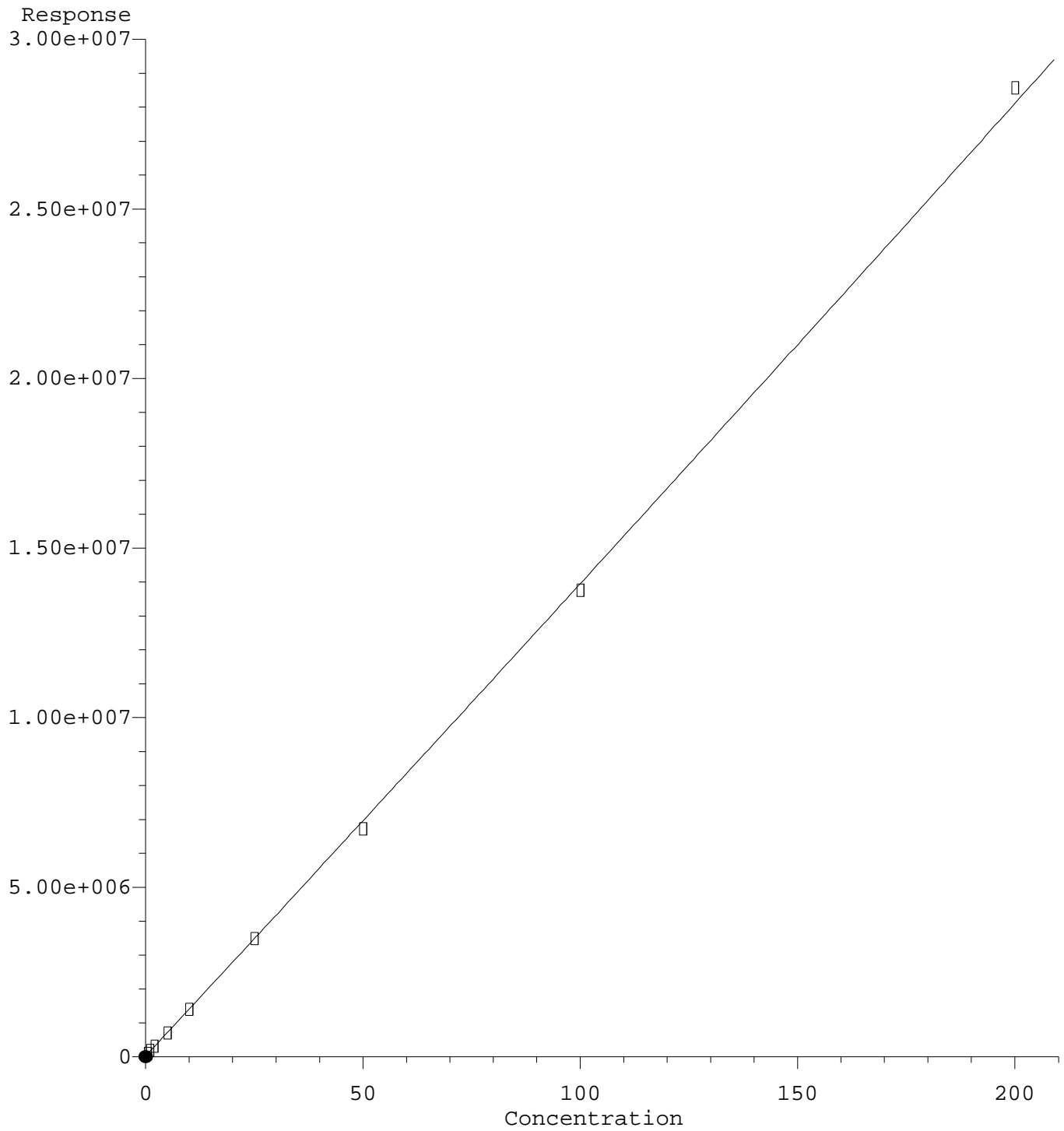


(27) trans-Nonachlor
7.701min -0.201 ng/mL m
response 1821

MJB 10/15/20

(27) trans-Nonachlor #2
8.061min 0.585 ng/mL
response 162972

2,4'-DDD



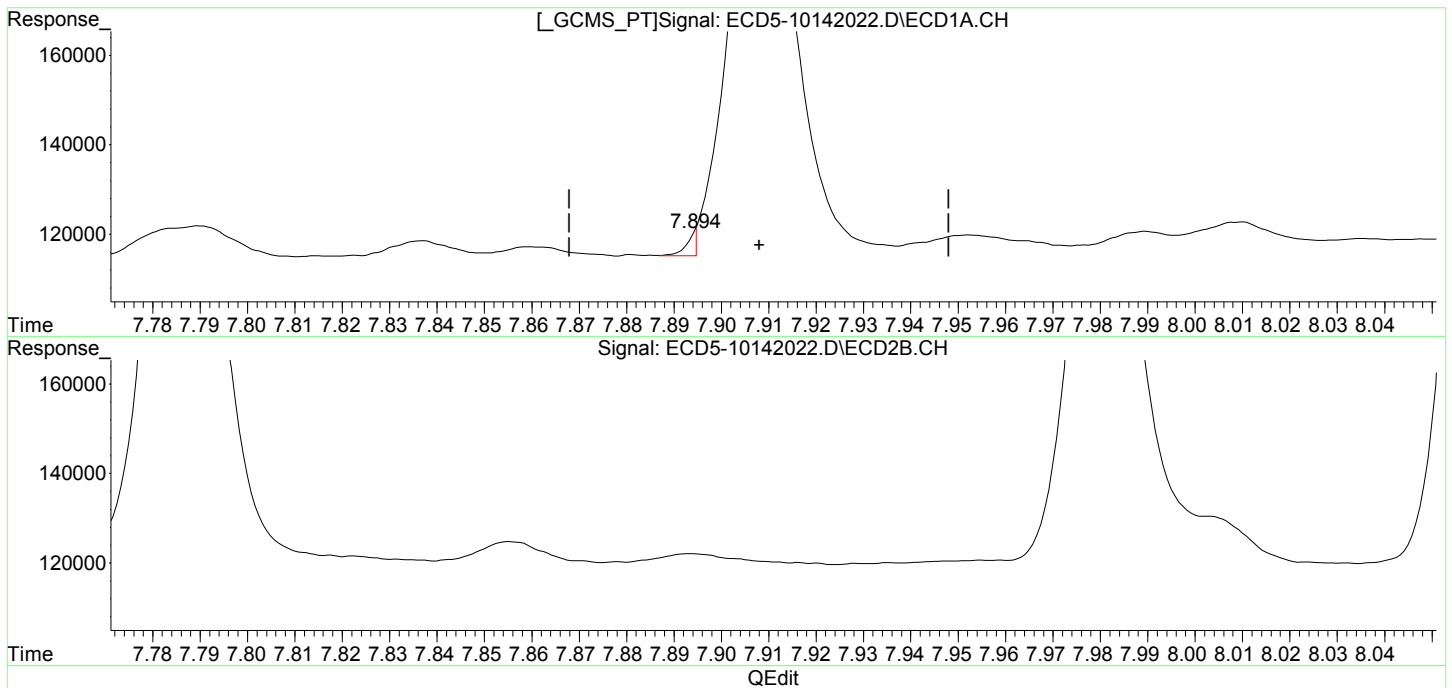
R = 1.25e+001 A*A + 1.38e+005 A + 3.26e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

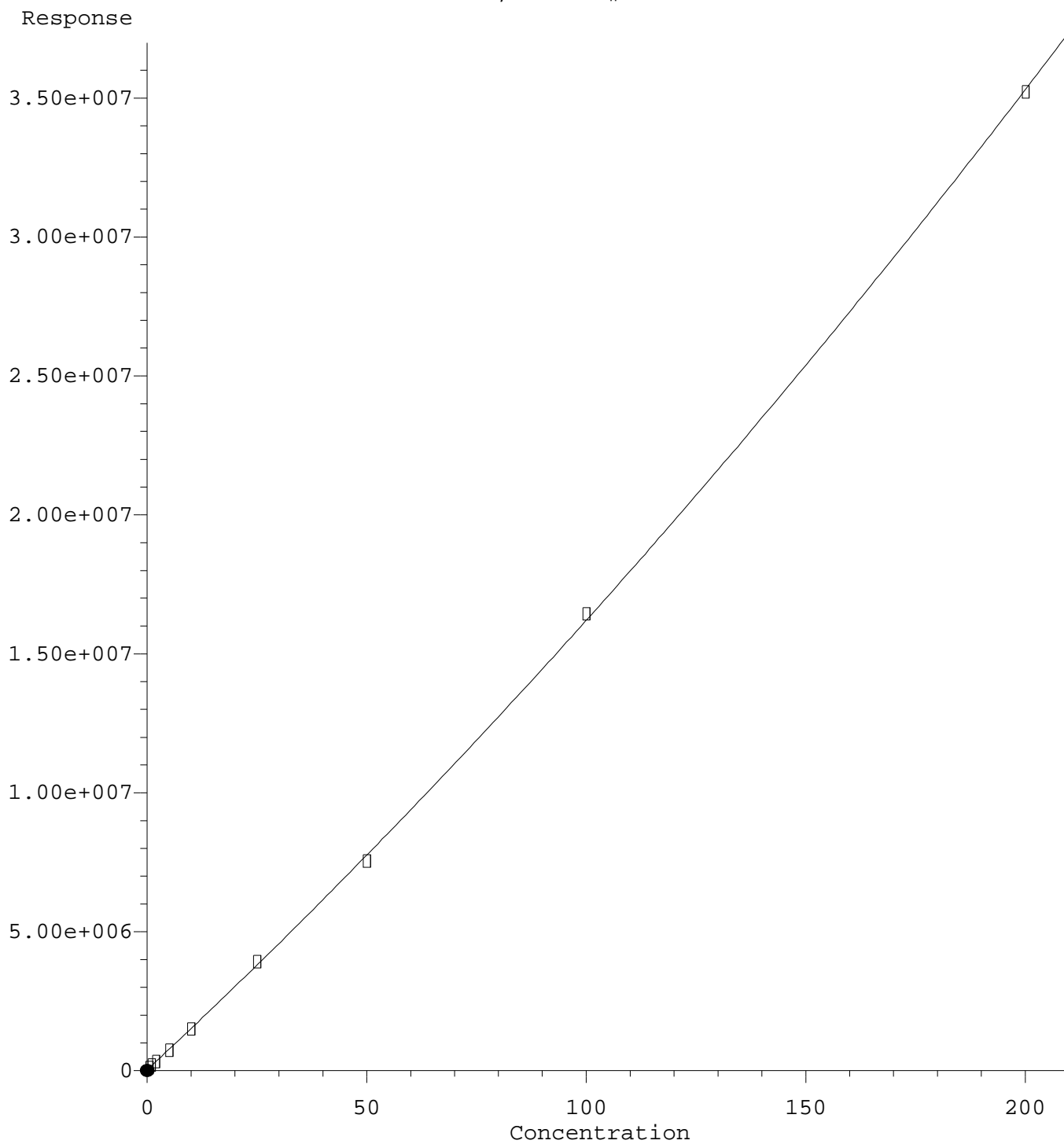


(28) 2,4'-DDD
7.894min -0.199 ng/mL m
response 5123

(28) 2,4'-DDD #2
8.351min 0.476 ng/mL
response 108812

MJB 10/15/20

2,4'-DDD #2



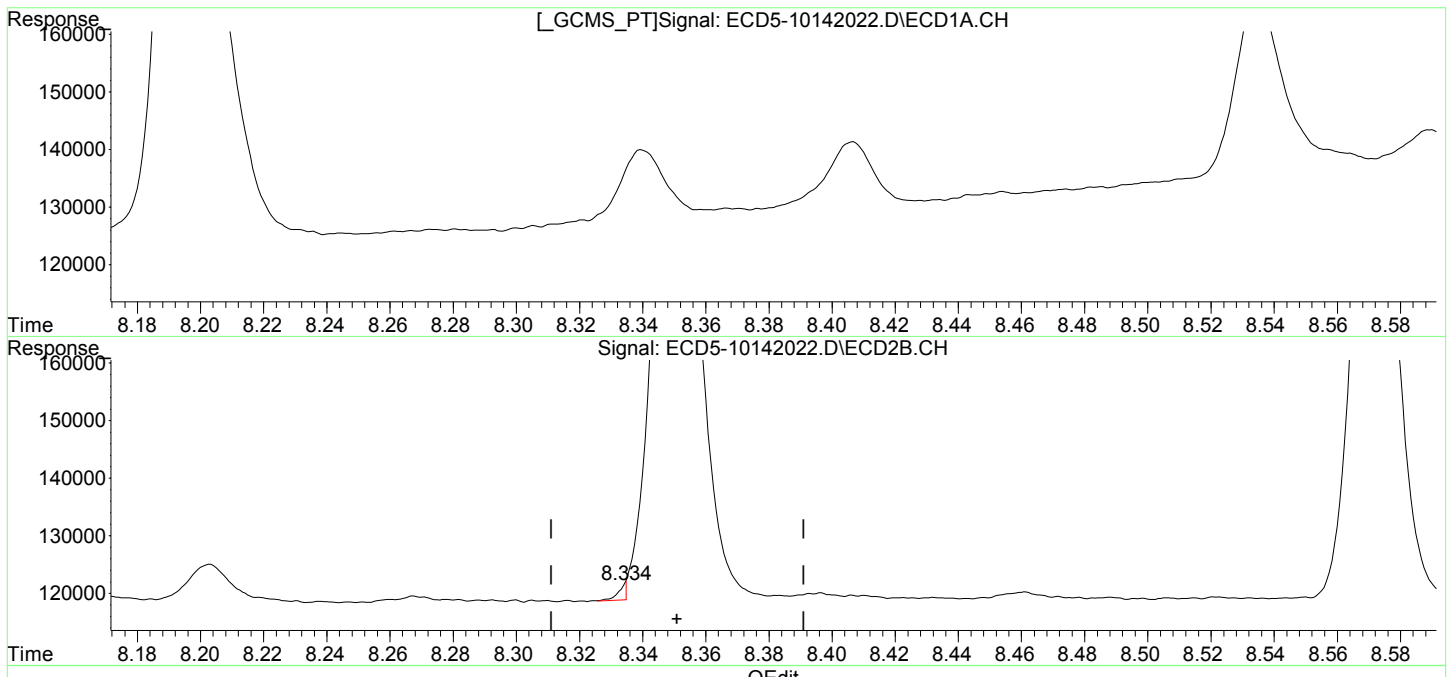
R = 1.48e+002 A*A + 1.47e+005 A + 3.89e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

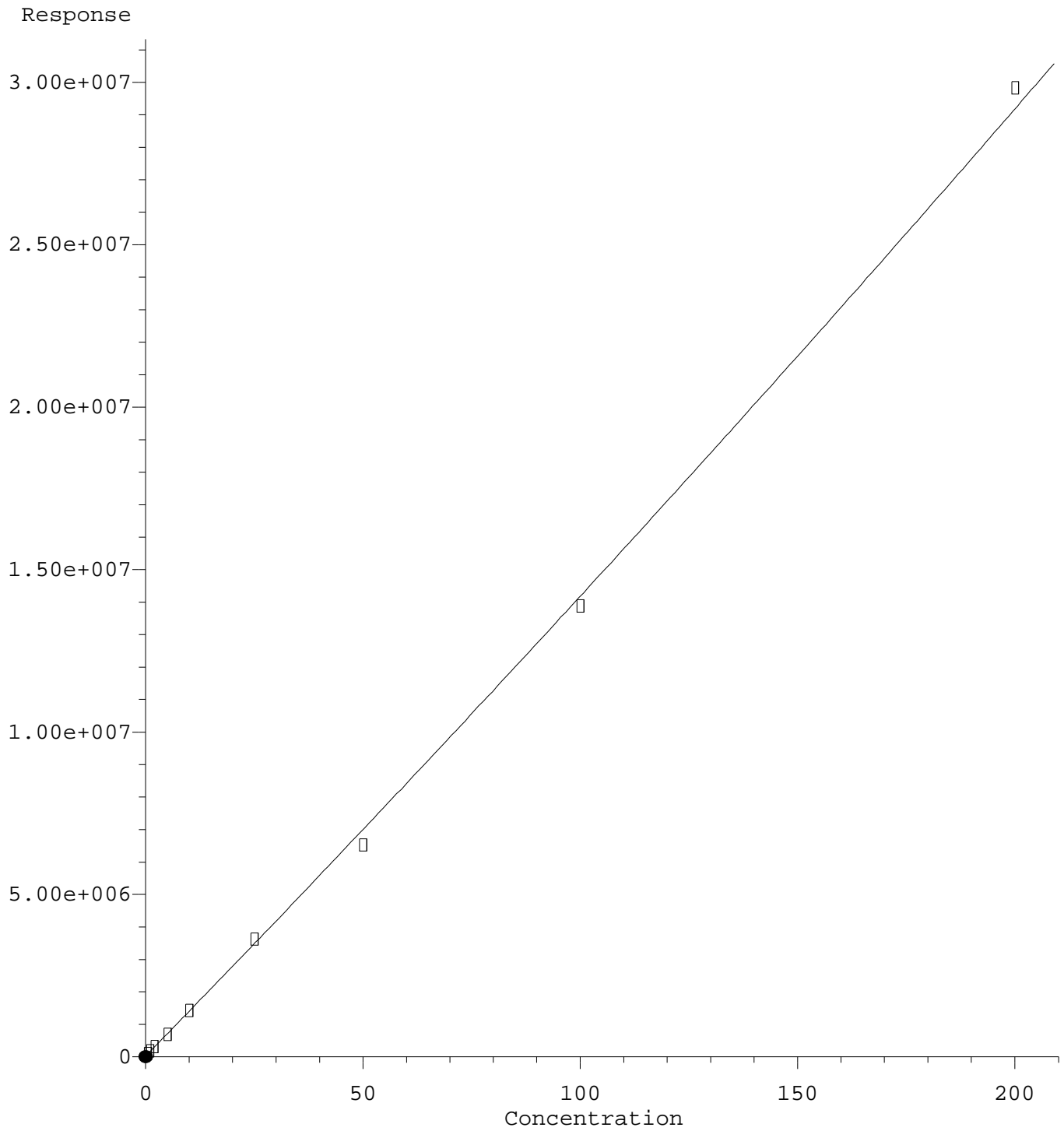


(28) 2,4'-DDD
7.894min -0.199 ng/mL m
response 5123

MJB 10/15/20

(28) 2,4'-DDD #2
8.334min -0.247 ng/mL m
response 2588

2,4'-DDT



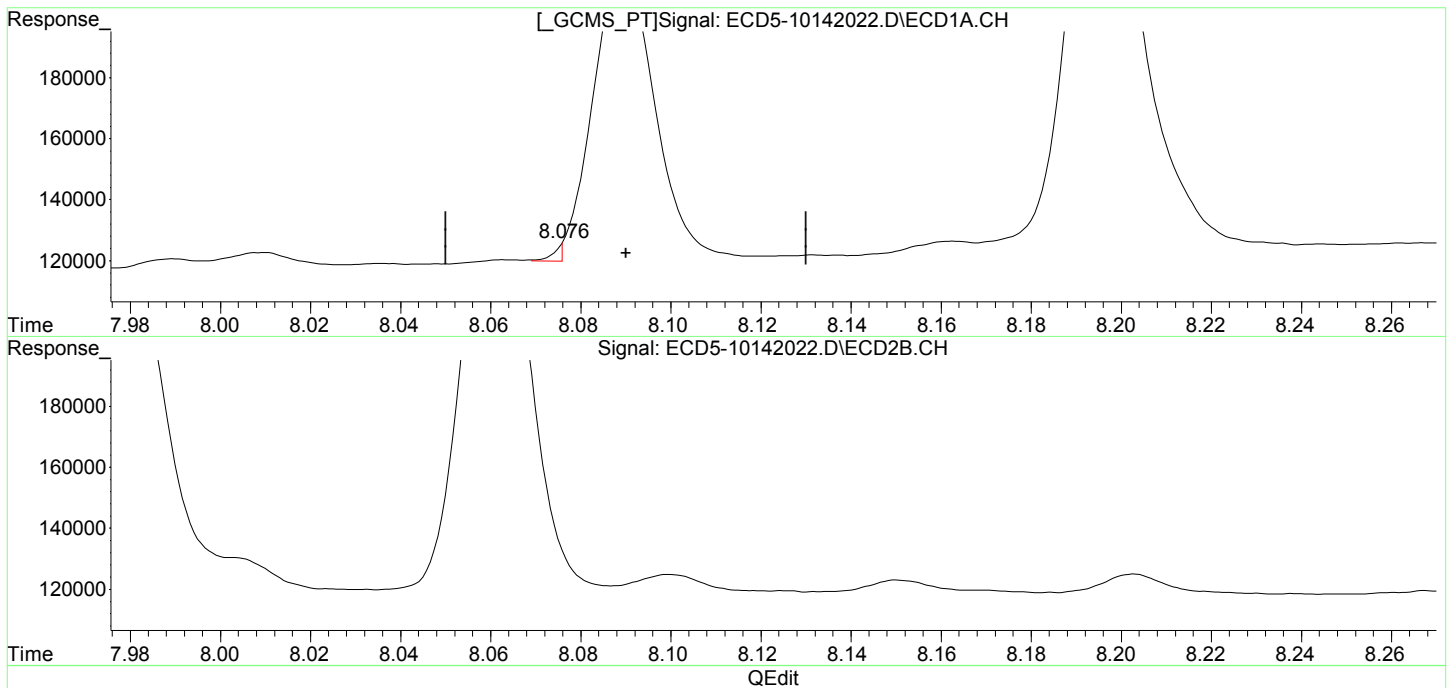
R = 4.34e+001 A*A + 1.37e+005 A + 3.28e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

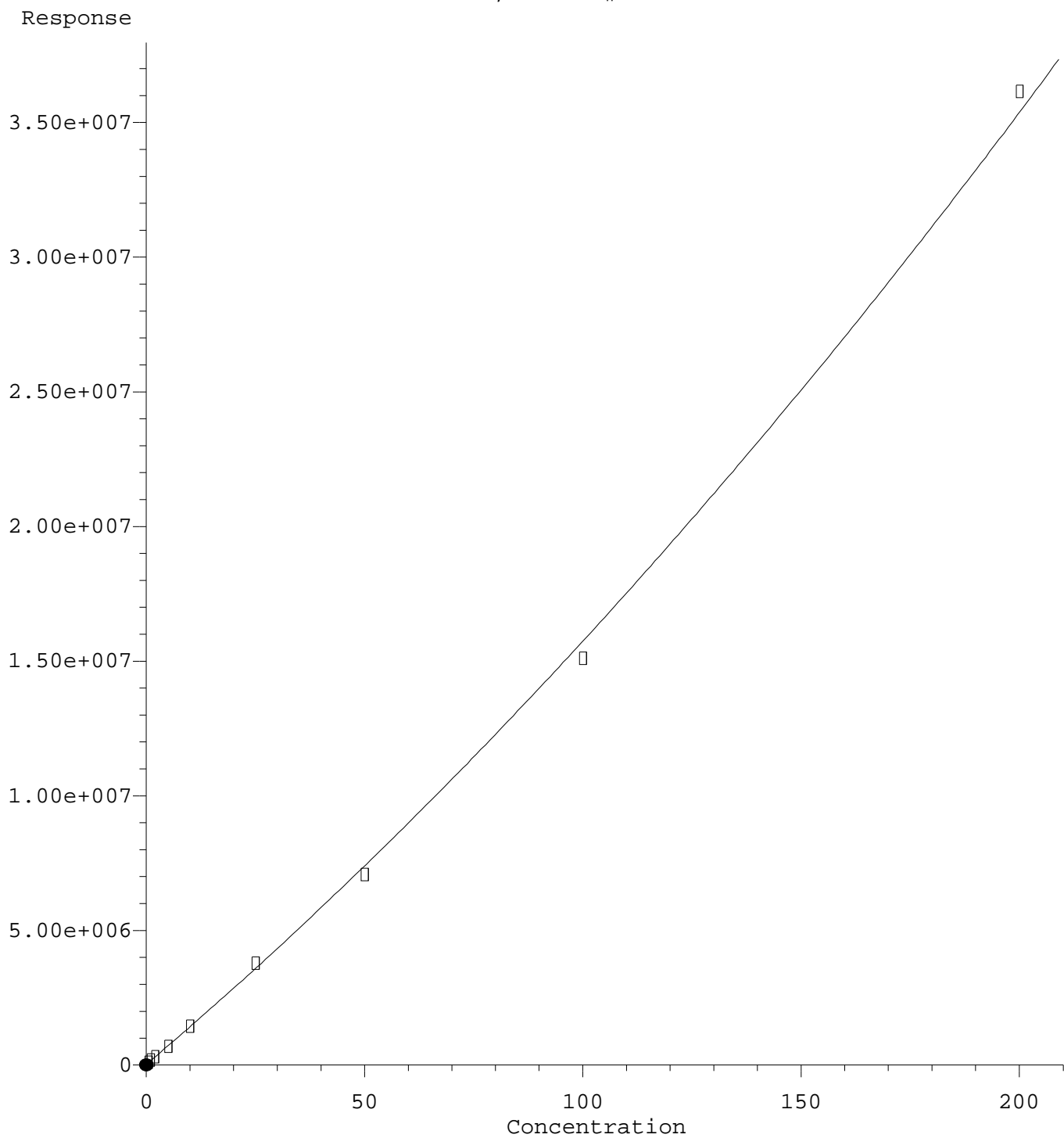


(29) 2,4'-DDT
8.076min -0.196 ng/mL m
response 5870

MJB 10/15/20

(29) 2,4'-DDT #2
8.572min 0.475 ng/mL
response 100181

2,4'-DDT #2



$R = 1.98e+002 A^2 + 1.37e+005 A + 3.49e+004$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a²)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M

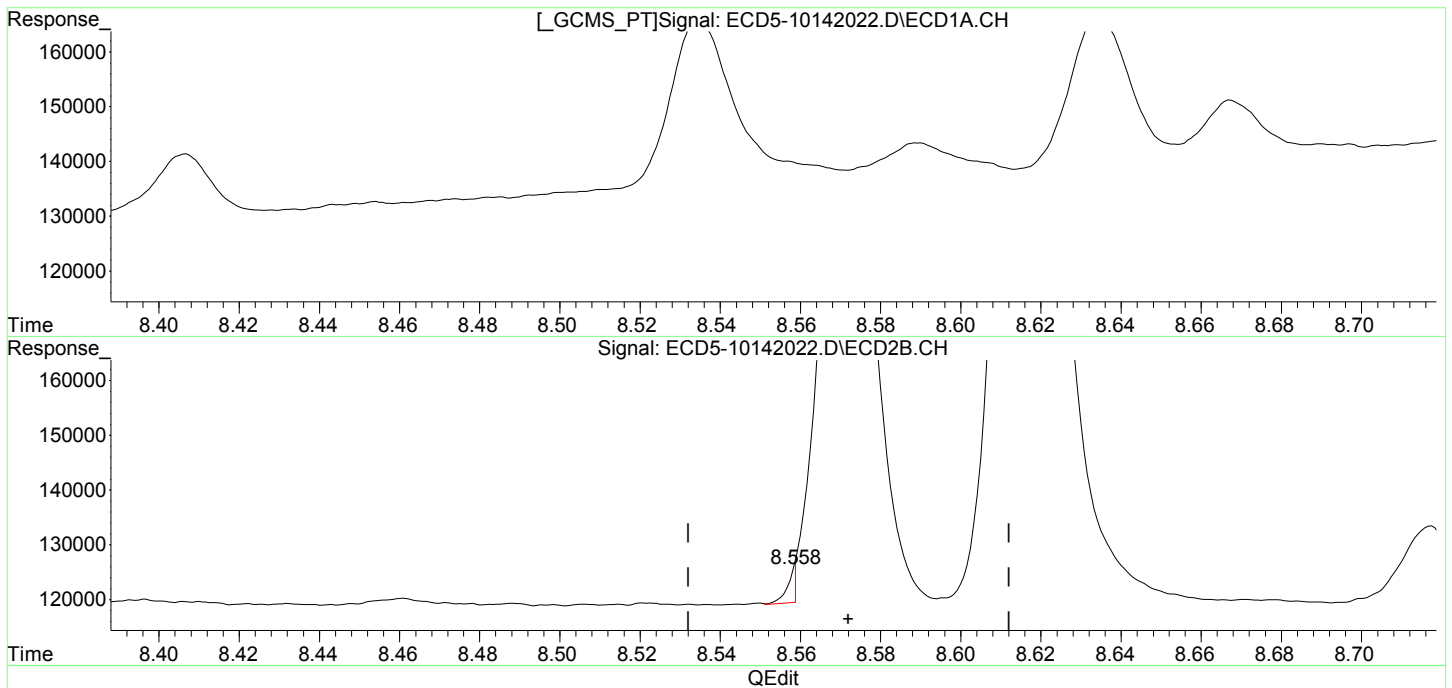
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

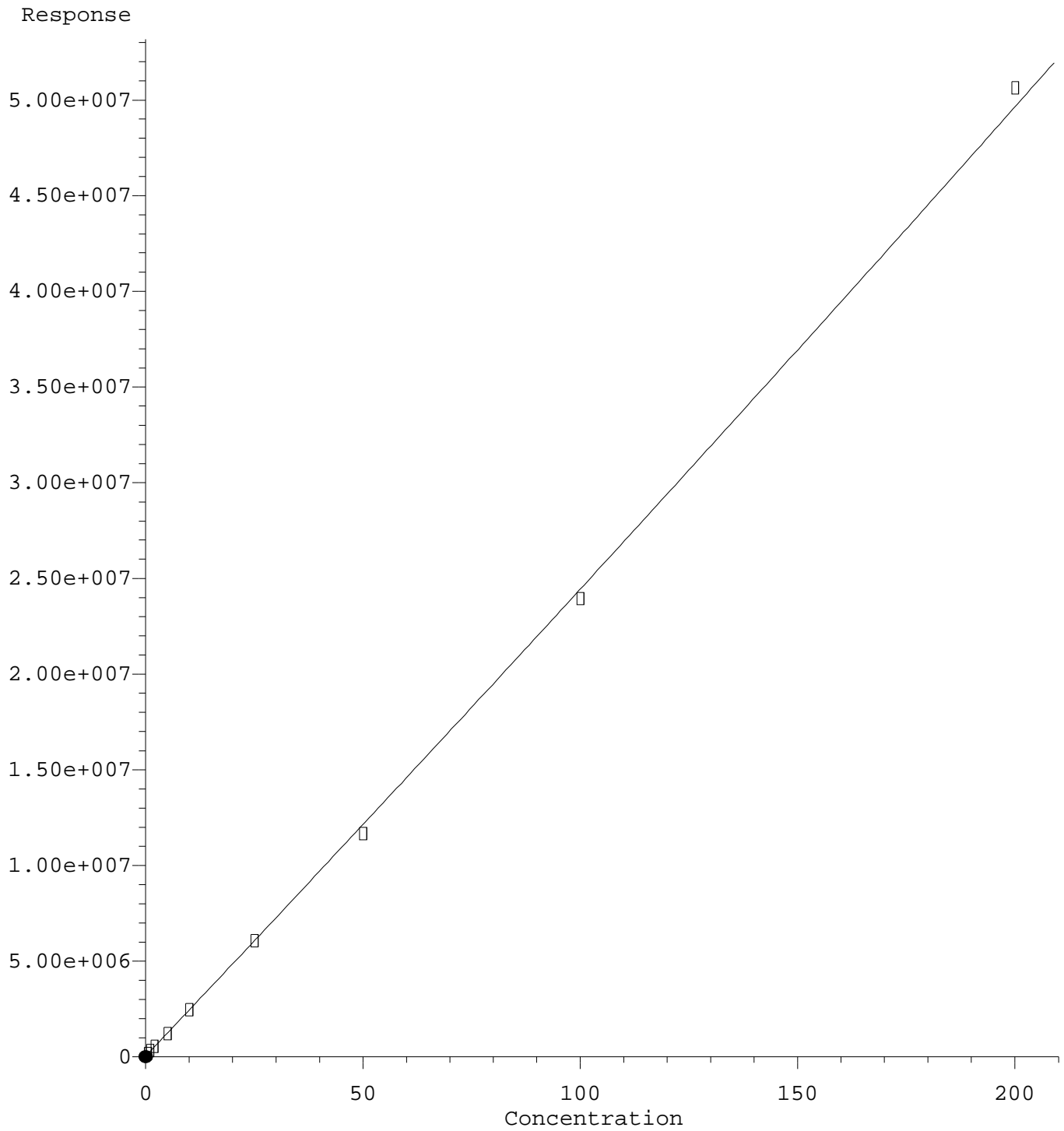


(29) 2,4'-DDT
8.076min -0.196 ng/mL m
response 5870

MJB 10/15/20

(29) 2,4'-DDT #2
8.558min -0.209 ng/mL m
response 6176

cis-Nonachlor



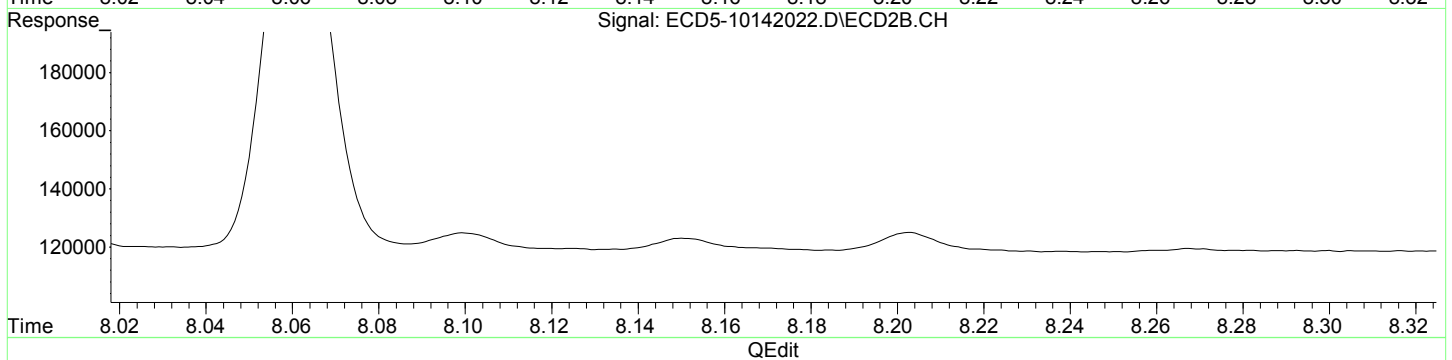
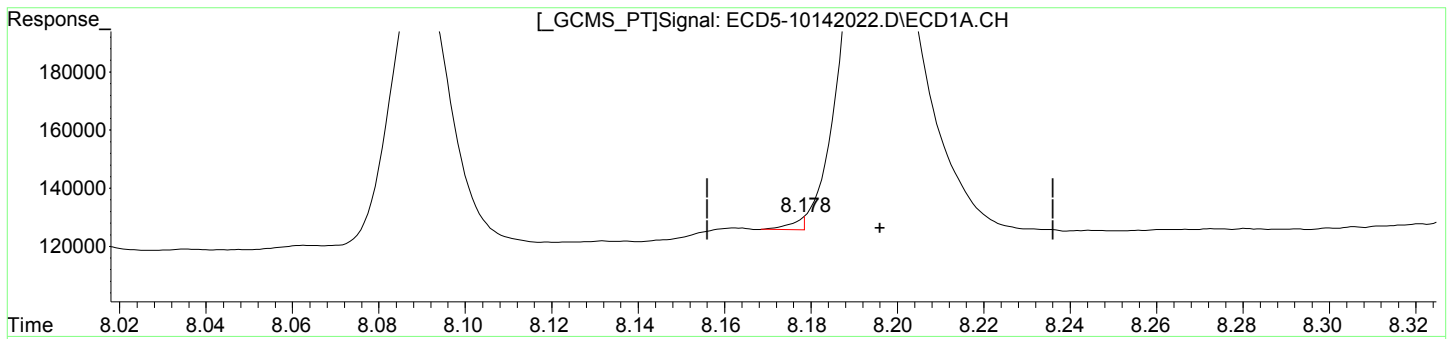
R = 4.15e+001 A*A + 2.40e+005 A + 5.26e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

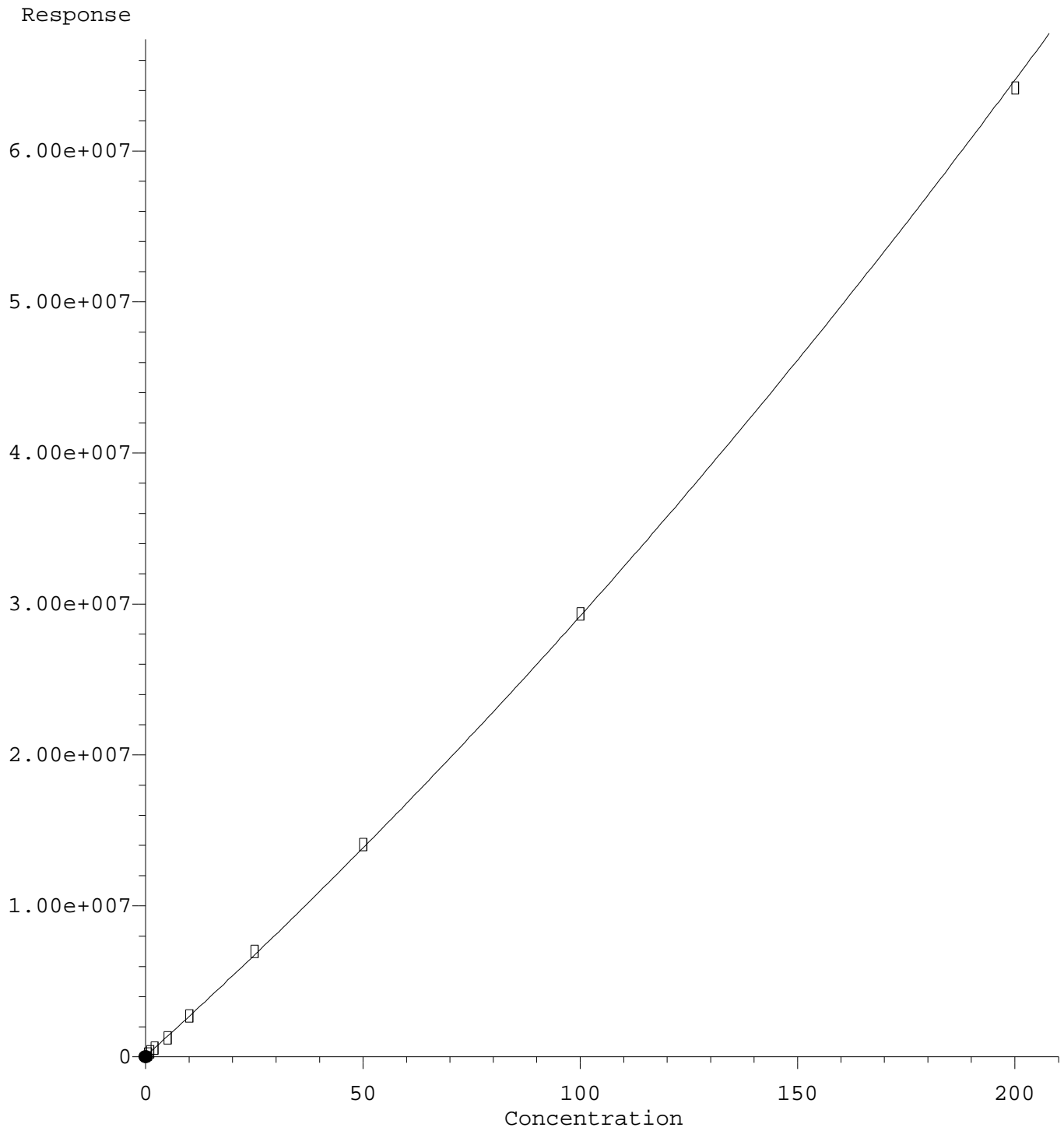
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



QEdit

(30) cis-Nonachlor 8.178min -0.201 ng/mL m response 4395	MJB 10/15/20
(30) cis-Nonachlor #2 8.617min 0.491 ng/mL response 188367	

cis-Nonachlor #2



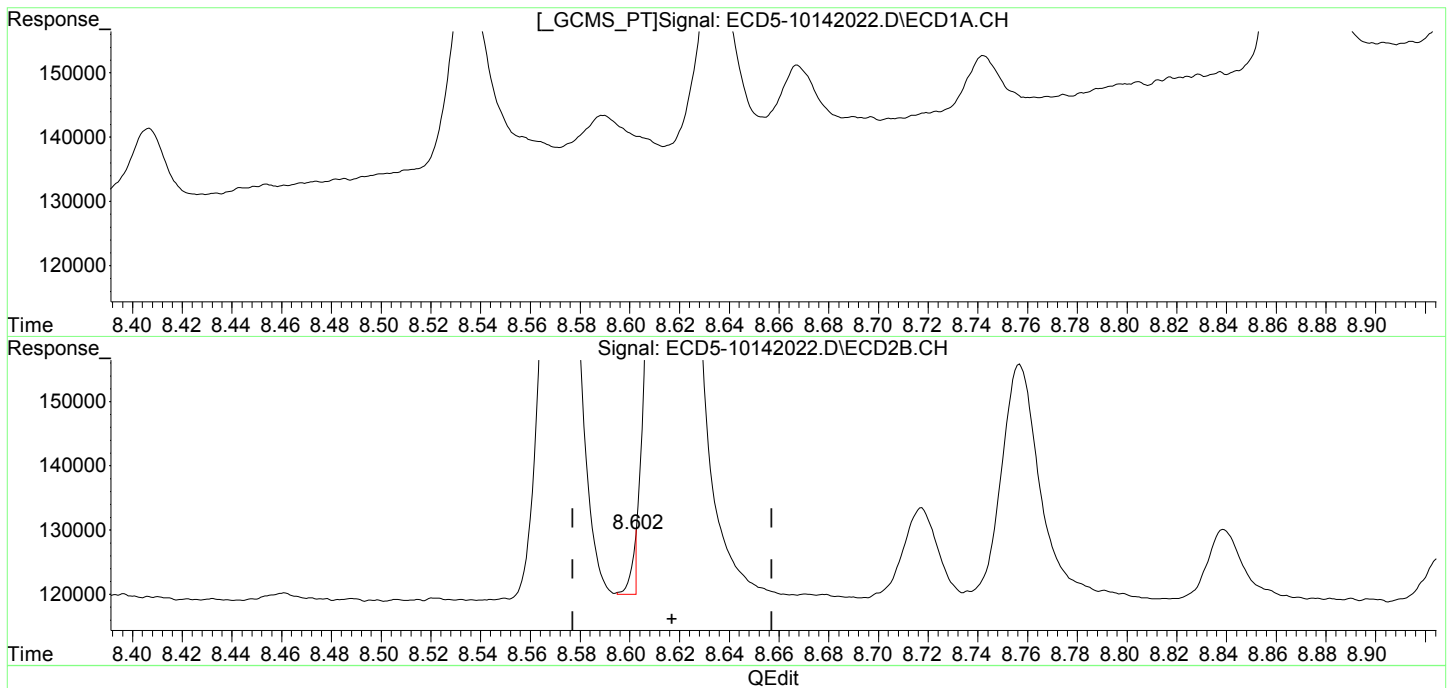
R = 3.19e+002 A*A + 2.59e+005 A + 6.10e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

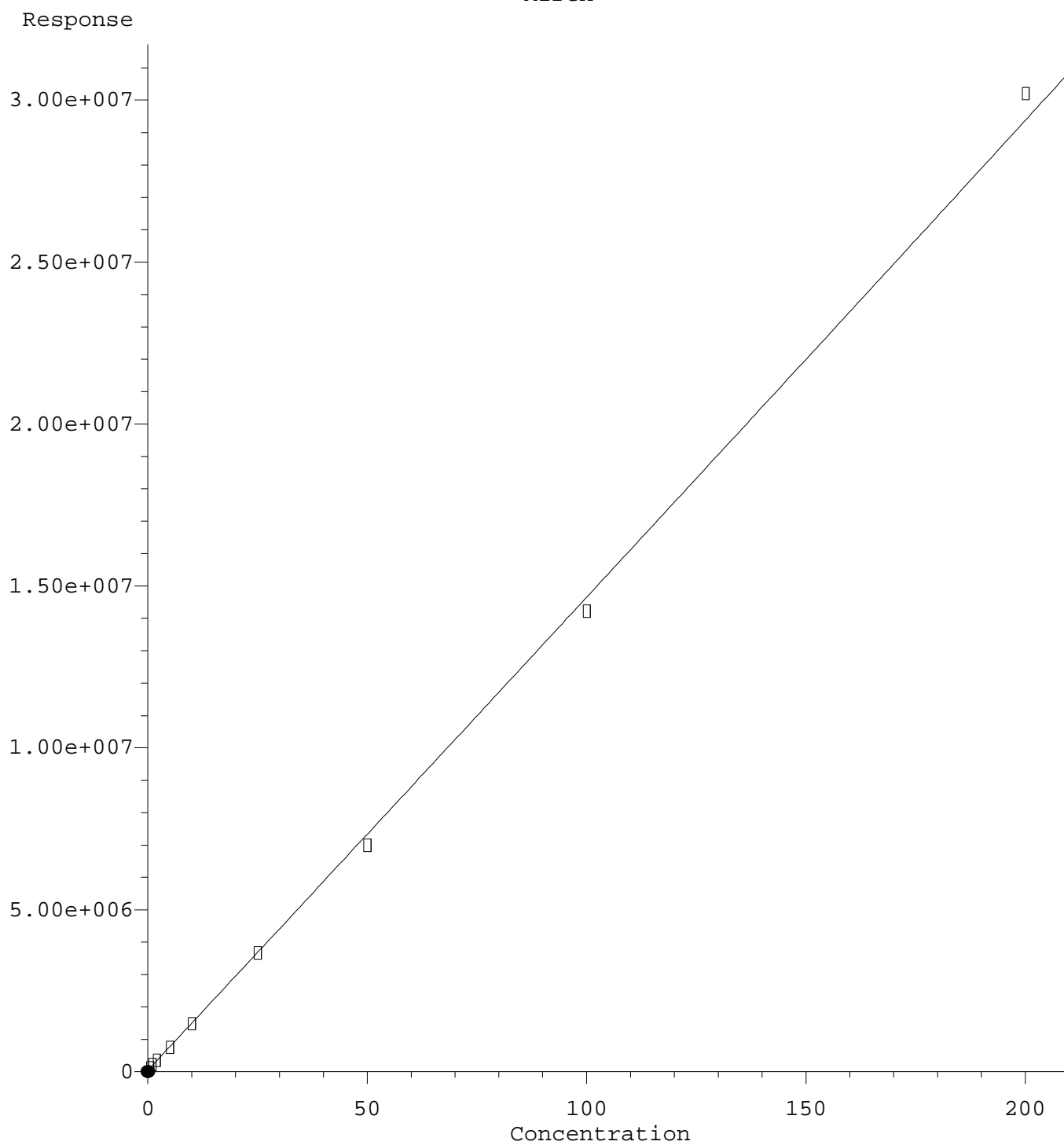


(30) cis-Nonachlor
8.178min -0.201 ng/mL m
response 4395

MJB 10/15/20

(30) cis-Nonachlor #2
8.602min -0.199 ng/mL m
response 9362

Mirex



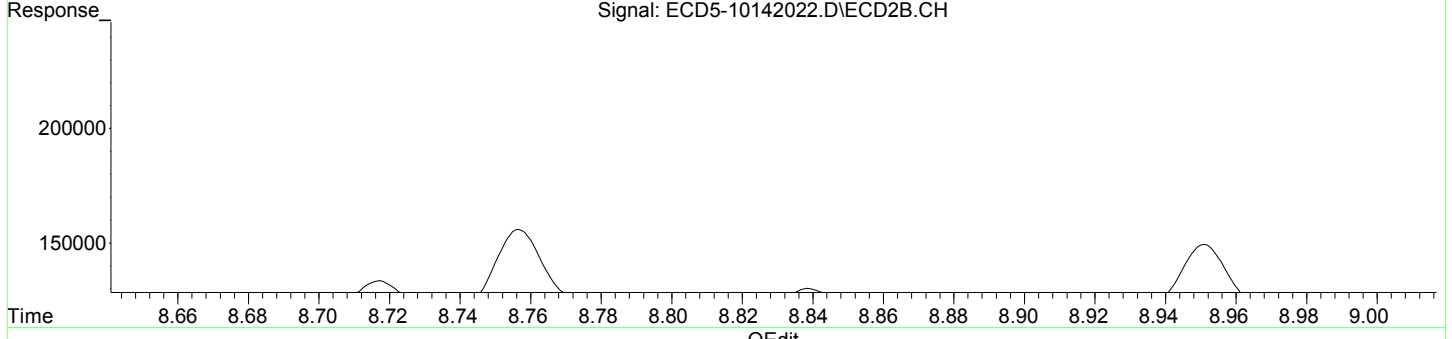
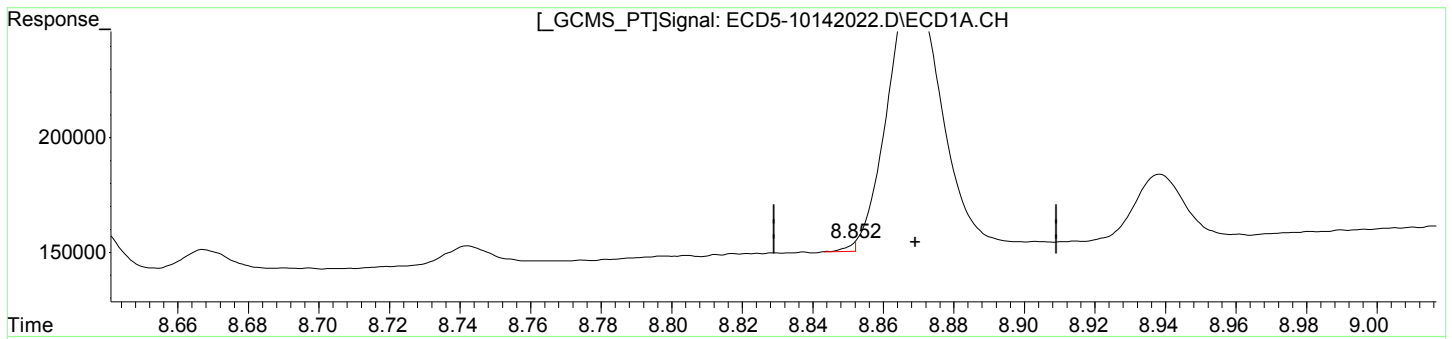
R = 6.99e+000 A*A + 1.45e+005 A + 5.06e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

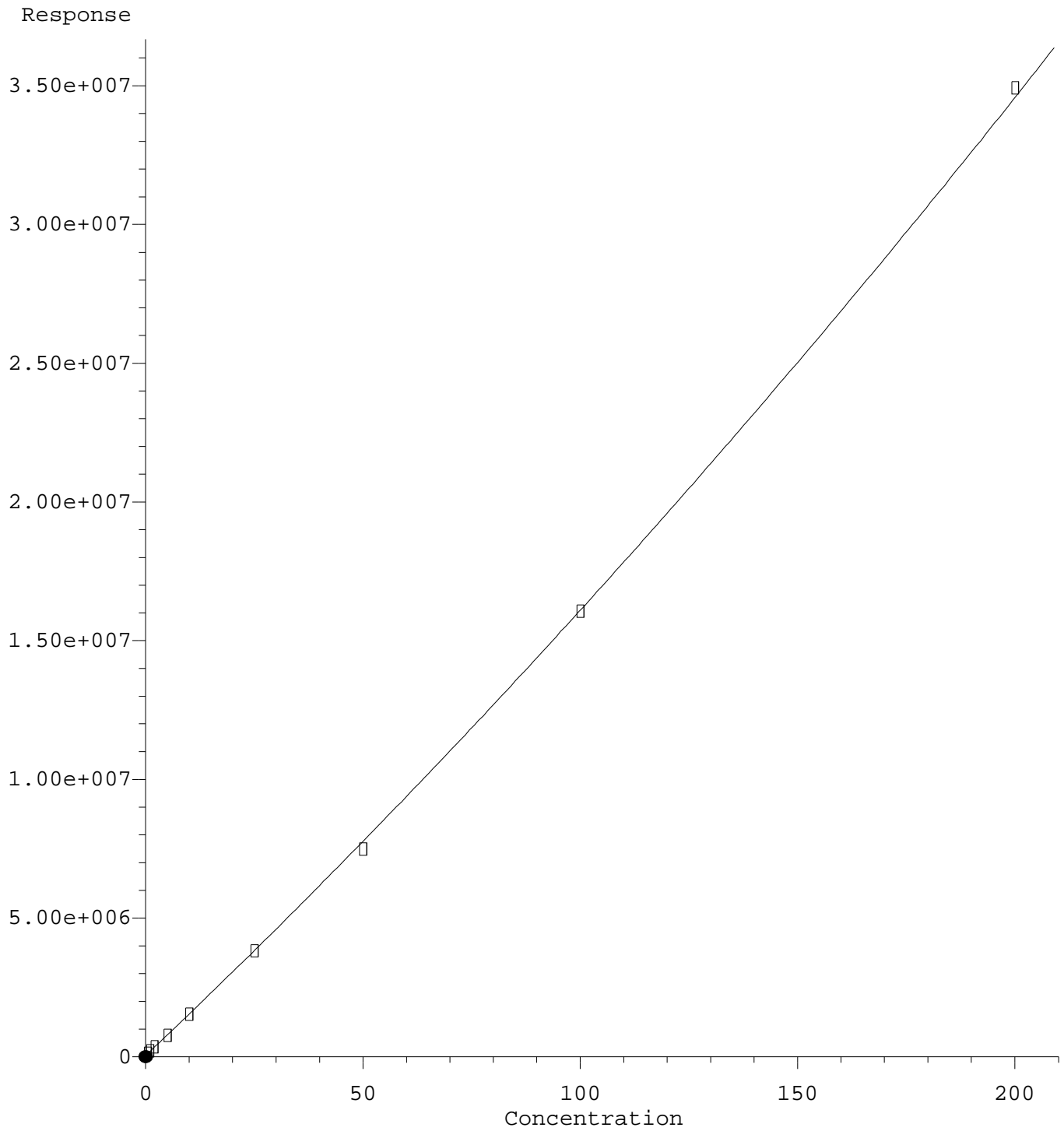
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



QEdit

(31) Mirex	8.852min	-0.325 ng/mL m	response 3470	<i>MJB 10/15/20</i>
(31) Mirex #2	9.522min	0.472 ng/mL	response 124073	

Mirex #2



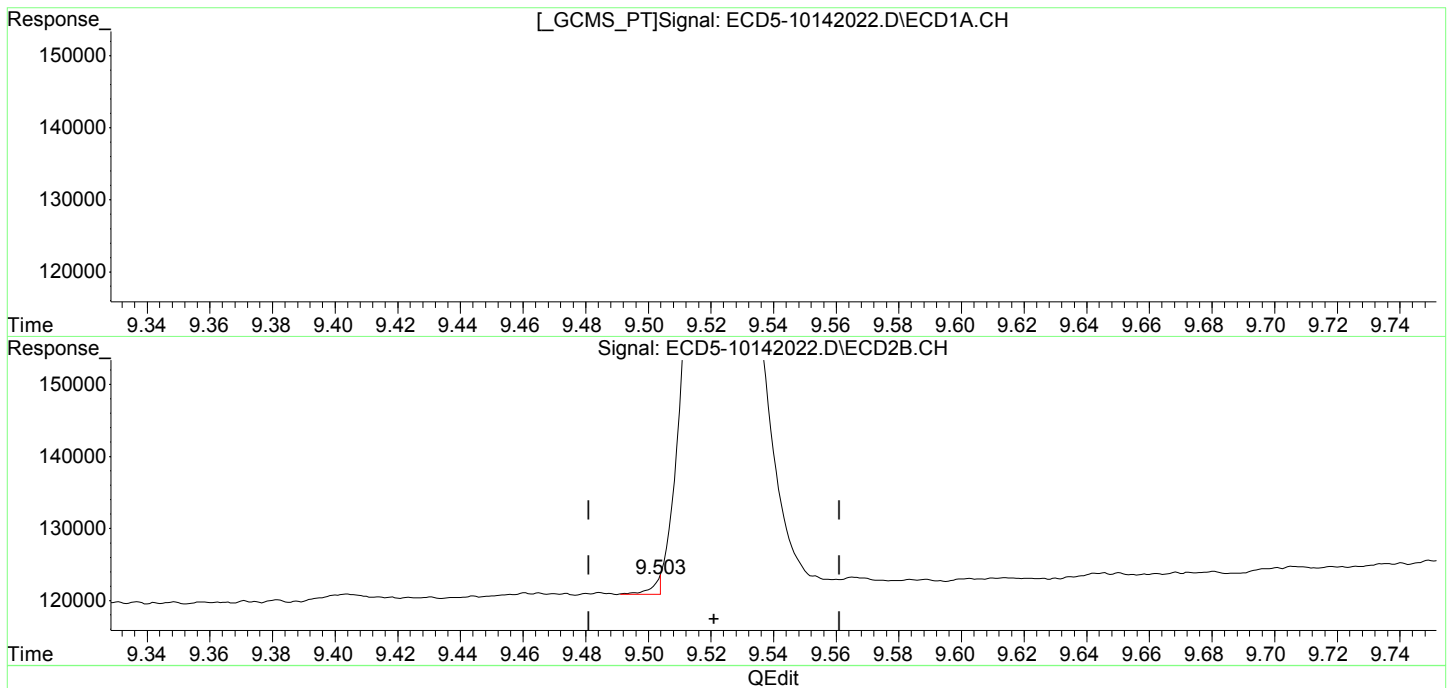
R = 1.23e+002 A*A + 1.48e+005 A + 5.41e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

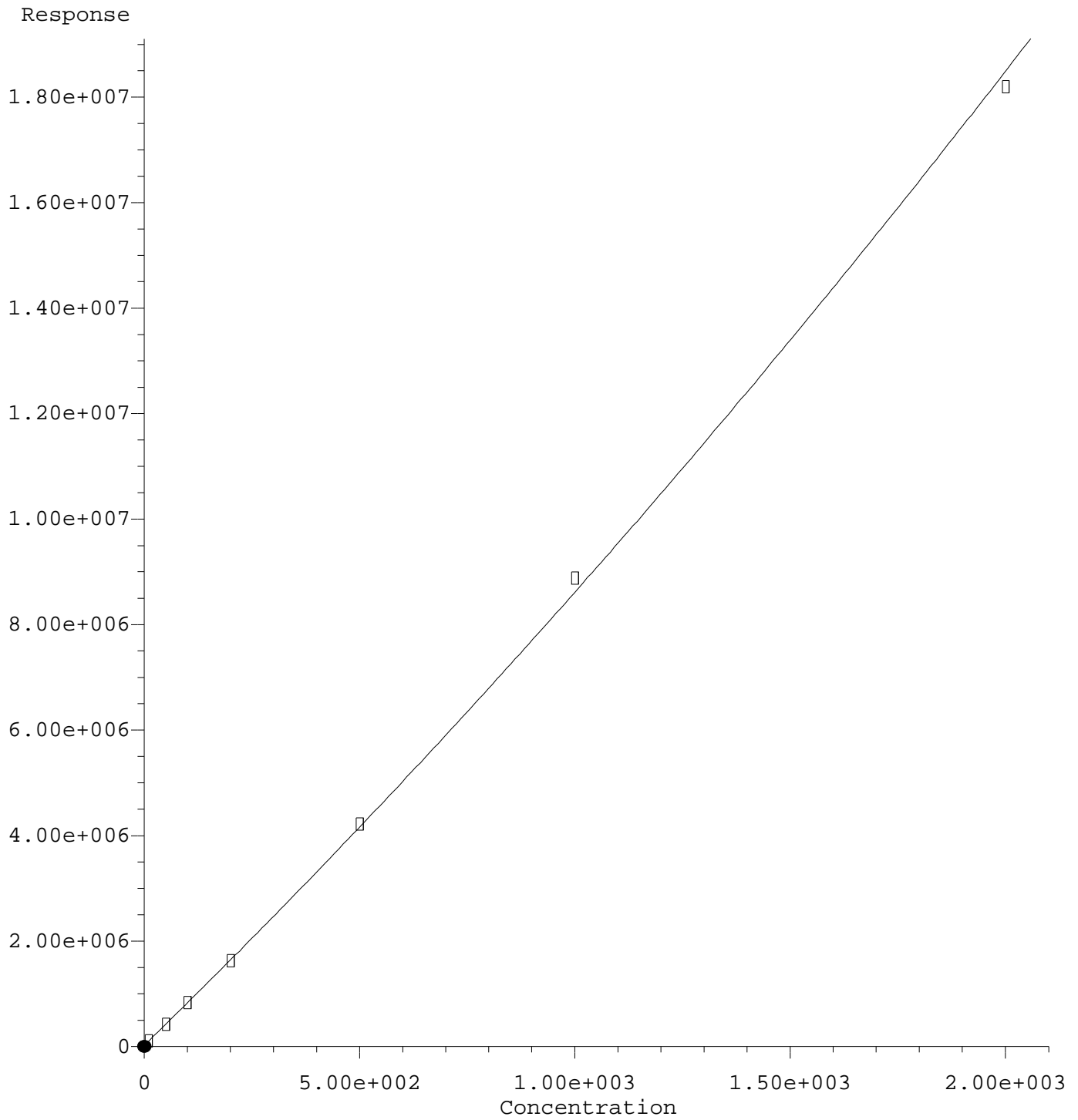


(31) Mirex
8.852min -0.325 ng/mL m
response 3470

MJB 10/15/20

(31) Mirex #2
9.503min -0.351 ng/mL m
response 2121

Chlordane (3) #2



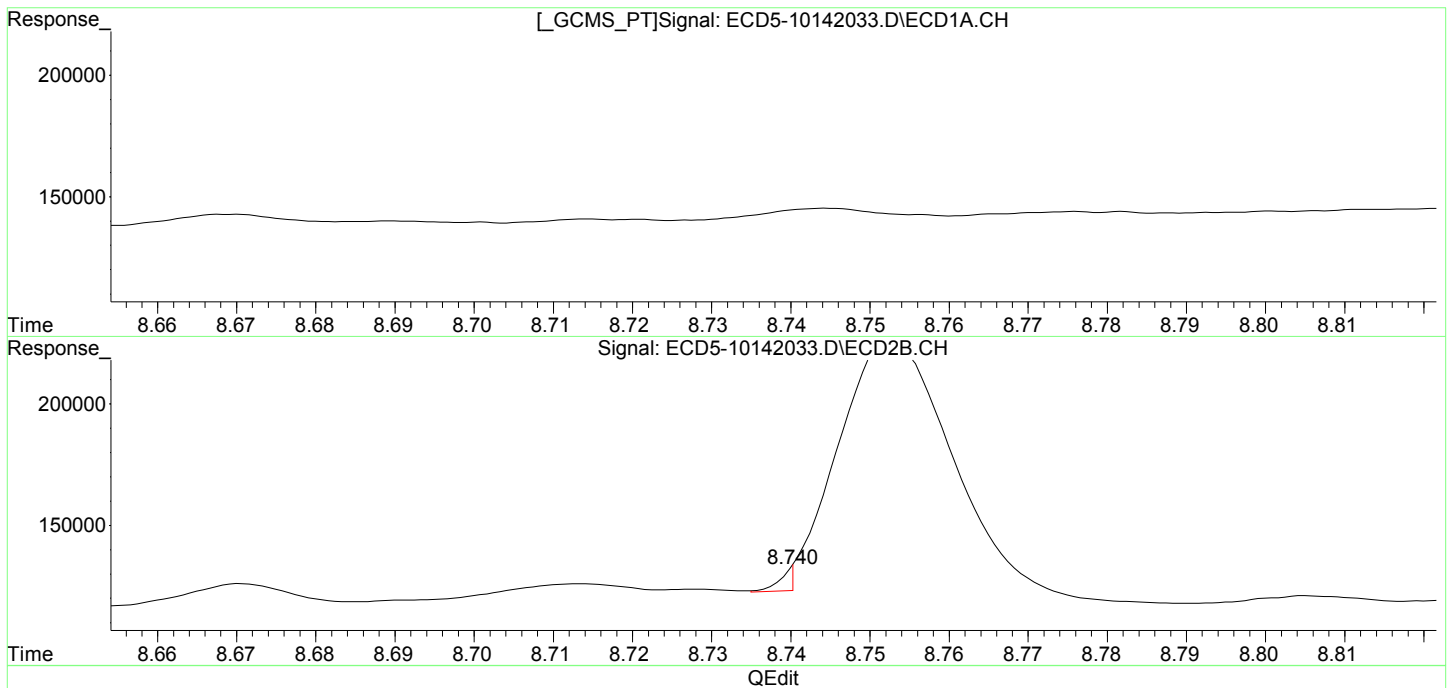
R = 6.46e-001 A*A + 7.94e+003 A + 2.98e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:05
Operator : MJB
Sample : 0J14056-CALJ
Misc : A20J232, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:16:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

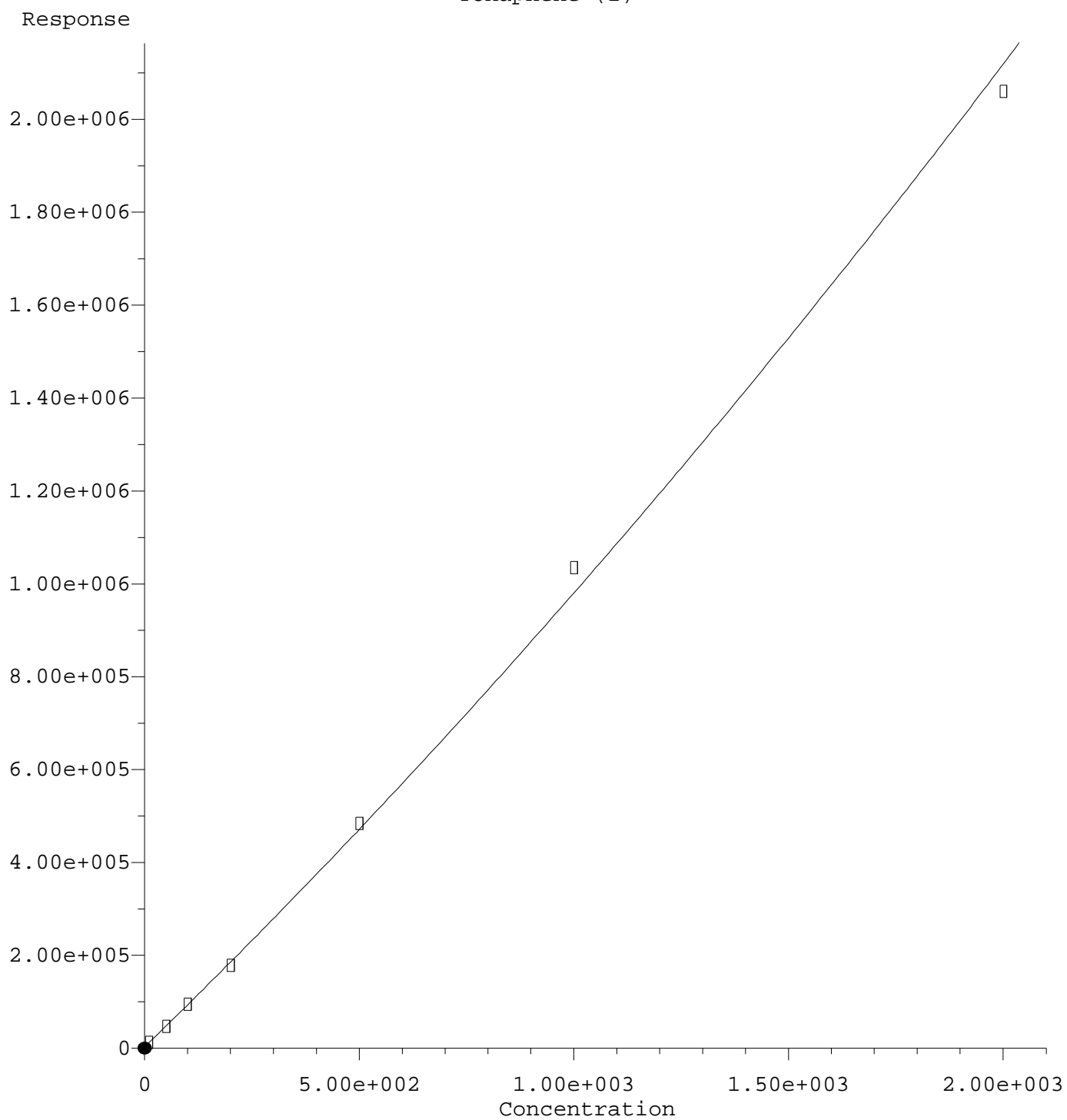


(34) Chlordane (3)
8.287min 11.190 ng/mL
response 90342

MJB 10/15/20

(34) Chlordane (3) #2
8.740min -2.602 ng/mL m
response 9152

Toxaphene (1)



$R = 8.10e-002 A^2 + 8.96e+002 A + 3.53e+003$

Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w($1/a^2$)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M

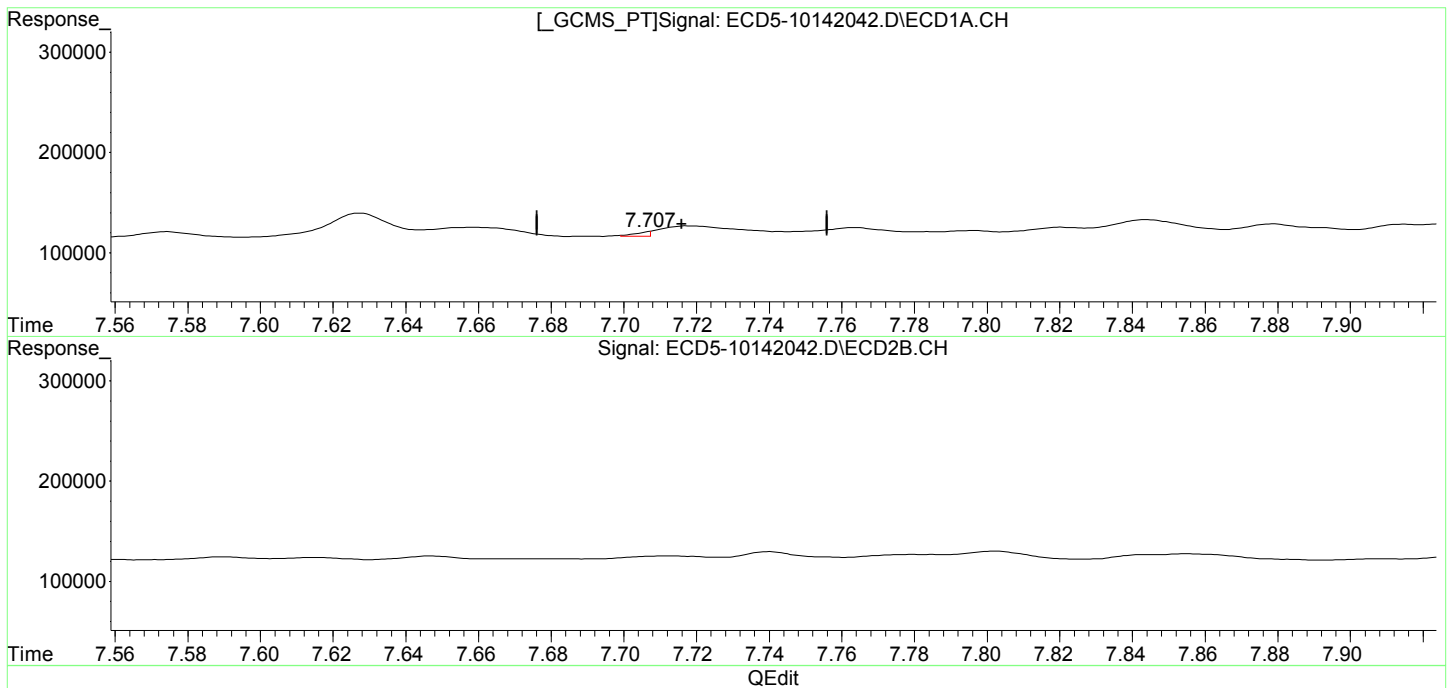
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 0:41
Operator : MJB
Sample : 0J14056-CALQ
Misc : A20J233, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:17:30 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(36) Toxaphene (1)
7.707min 0.901 ng/mL m
response 4336

MJB 10/15/20

(36) Toxaphene (1) #2
8.327min 10.716 ng/mL
response 29330

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 15:30
 Operator : MJB
 Sample : 0J14056-ICB1
 Misc : A20J148
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:15:38 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.588	5.874	22356860	28904371	92.133	93.318
22) S DCBP (S)	9.807	10.368	15118556	15023156	93.116	94.804
Target Compounds						
2) a-BHC	6.134	0.000	5530	0	0.018	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.664	7.100	6745	8527	0.025	BelowCal #
7) Aldrin	0.000	7.454f	0	25918	N.D.	0.085 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.621	8.008	23496	6437	0.092	0.023 #
10) cis-Chlor...	7.708f	0.000	1872	0	0.008	N.D. #
11) Endosulfa...	7.847	0.000	1287	0	0.006	N.D. #
12) 4,4'-DDE	7.790	0.000	1596	0	0.006	N.D. #
13) Dieldrin	7.988	0.000	2613	0	0.010	N.D. #
14) Endrin	8.150f	0.000	8699	0	0.047	N.D. #
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	8.340	8.718	12337	8082	0.059	0.035 #
17) 4,4'-DDT	8.393	0.000	8961	0	0.045	N.D. #
18) Endrin Al...	8.635	8.952	28536	20605	6021.079	BelowCal #
19) Endosulfa...	8.938	9.145	18987	19573	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.140	9.535	9023	10535	0.037	0.042
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.974	0.000	44076	0	BelowCal	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.008f	0	6437	N.D.	0.033 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 15:30
 Operator : MJB
 Sample : 0J14056-ICB1
 Misc : A20J148
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:15:38 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.708	0.000	1872	0	BelowCal	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	8.107	0.000	2067	0	BelowCal	N.D.
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	8.857	9.535	5716	10535	BelowCal	BelowCal
32)	Chlordane...	7.621	8.008	23496	6437	0.857	0.182 #
33)	Chlordane...	7.708	0.000	1872	0	0.067	N.D. #
34)	Chlordane...	8.280	8.755	6722	49078	0.833	2.426 #
35)	Chlordane...	3.937	3.899	68307	65369	NoCal	NoCal
36)	Toxaphene...	7.708	0.000	1872	0	BelowCal	N.D.
37)	Toxaphene...	8.036f	0.000	1570	0	0.723	N.D. #
38)	Toxaphene...	8.340	8.718	12337	8082	2.855	1.695 #
39)	Toxaphene...	8.582	8.755f	36799	49078	8.158	6.188
40)	Toxaphene...	0.000	8.952	0	20605	N.D.	4.311 #
41)	Toxaphene...	8.857	0.000	5716	0	1.390	N.D. #
42)	Toxaphene...	3.937	3.899f	68307	65369	NoCal	NoCal

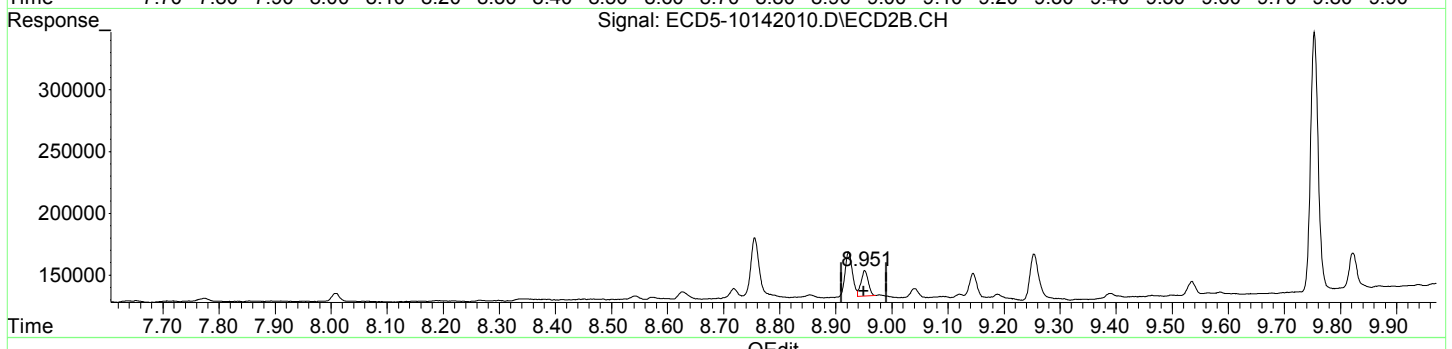
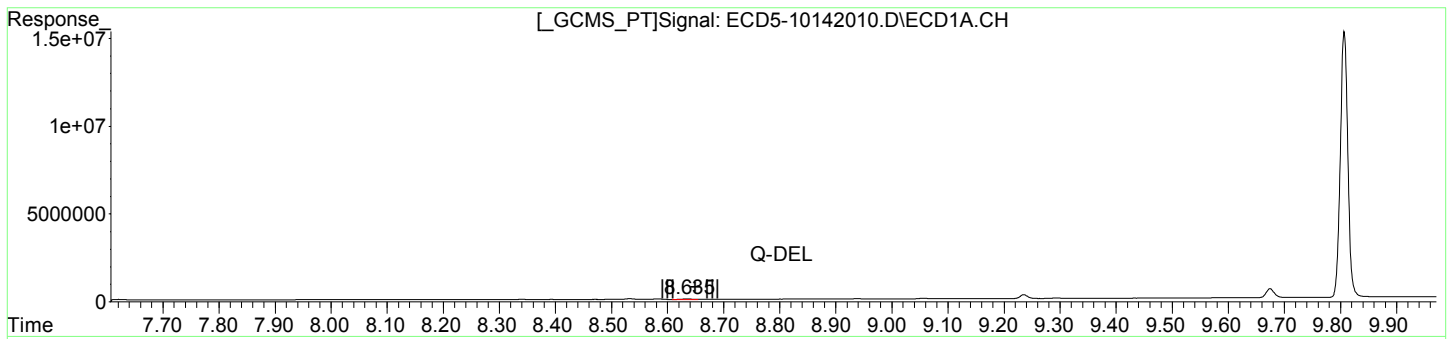
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:30
Operator : MJB
Sample : 0J14056-ICB1
Misc : A20J148
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:15:38 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(18) Endrin Aldehyde
~~8.635min - 6021.079 ng/mL~~
response 28536

MJB 10/15/20

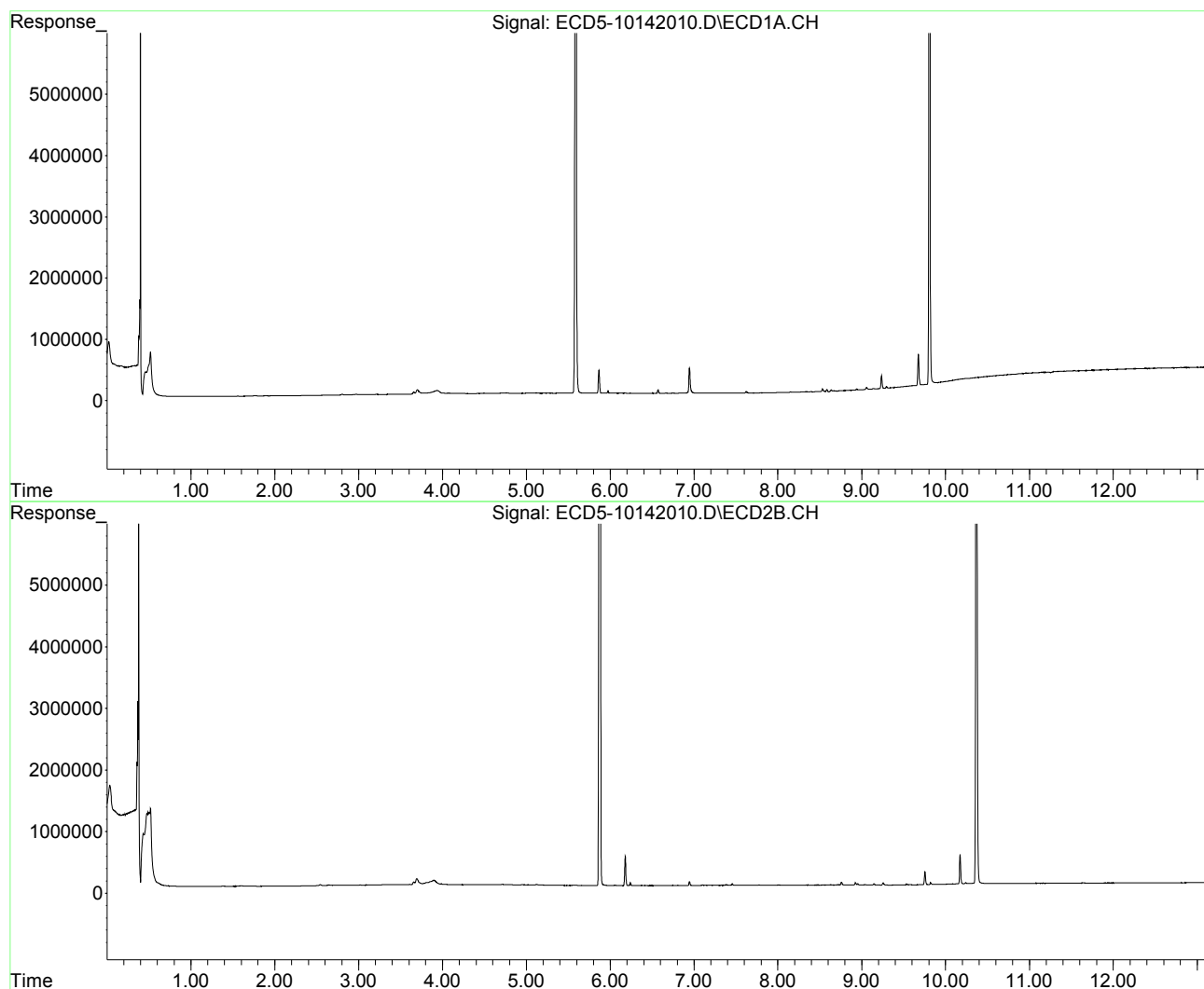
(18) Endrin Aldehyde #2
8.952min -0.227 ng/mL
response 20605

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:30
Operator : MJB
Sample : 0J14056-ICB1
Misc : A20J148
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:15:38 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:22
 Operator : MJB
 Sample : 0J14056-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:17:25 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	

System Monitoring Compounds							
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S DCBP (S)	0.000	10.366	0	4922	N.D.	BelowCal	
Target Compounds							
2) a-BHC	6.143	0.000	3268	0	0.011	N.D.	#
3) g-BHC	6.463f	0.000	5817	0	0.022	N.D.	#
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6) d-BHC	6.665	7.100	7553	8488	0.028	BelowCal	#
7) Aldrin	7.045f	0.000	5997	0	0.023	N.D.	#
8) Heptachlo...	7.541	0.000	1598	0	0.007	N.D.	#
9) trans-Chl...	7.593f	0.000	5470	0	0.022	N.D.	#
10) cis-Chlor...	7.733	0.000	785	0	0.003	N.D.	#
11) Endosulfa...	7.850	0.000	1727	0	0.008	N.D.	#
12) 4,4'-DDE	7.782	0.000	639	0	0.002	N.D.	#
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14) Endrin	8.162	0.000	5002	0	0.027	N.D.	#
15) 4,4'-DDD	0.000	8.634f	0	5460	N.D.	0.023	#
16) Endosulfa...	8.342	8.718	7874	7136	0.038	0.031	
17) 4,4'-DDT	8.398	0.000	2051	0	0.010	N.D.	#
18) Endrin Al...	8.635	8.952	36815	39993	6021.036	BelowCal	#
19) Endosulfa...	8.938	9.145	15975	20514	BelowCal	BelowCal	
20) Methoxychlor	8.746	0.000	1054	0	BelowCal	N.D.	
21) Endrin Ke...	9.140	9.536	9845	17599	0.040	0.071	#
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.	
26) 2,4'-DDE	7.541	0.000	1598	0	20649.389	N.D.	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:22
 Operator : MJB
 Sample : 0J14056-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:17:25 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.733	0.000	785	0	BelowCal	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	8.089	0.000	3035	0	BelowCal	N.D.
30)	cis-Nonac...	8.162f	8.634	5002	5460	BelowCal	BelowCal
31)	Mirex	0.000	9.536	0	17599	N.D.	BelowCal
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33)	Chlordane...	7.733	0.000	785	0	0.028	N.D. #
34)	Chlordane...	0.000	8.758	0	41542	N.D.	1.478 #
35)	Chlordane...	3.959f	3.917	36511	34442	NoCal	NoCal
36)	Toxaphene...	7.733	0.000	785	0	BelowCal	N.D.
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	8.342	8.718	7874	7136	1.822	1.496
39)	Toxaphene...	8.588	8.758	4270	41542	0.947	5.238 #
40)	Toxaphene...	0.000	8.952	0	39993	N.D.	8.368 #
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.959f	3.917	36511	34442	NoCal	NoCal

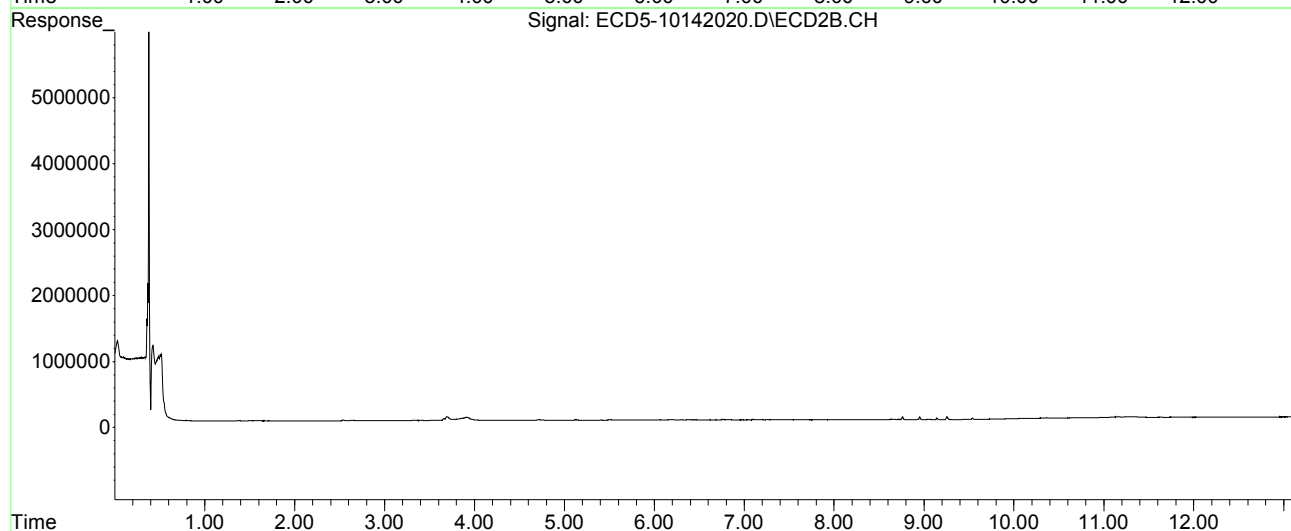
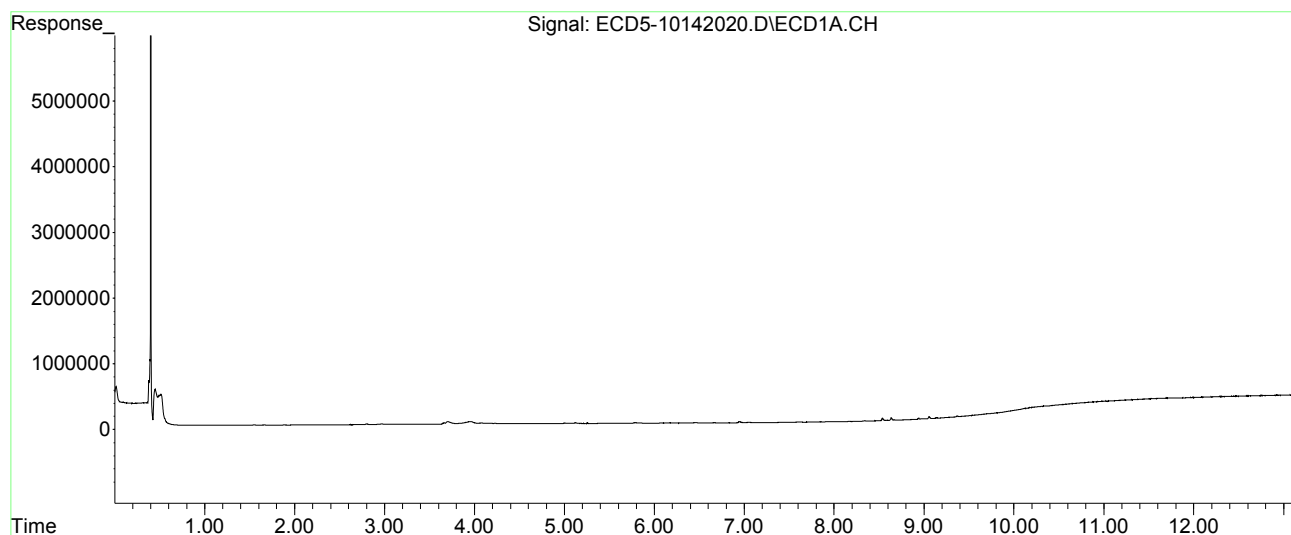
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:22
Operator : MJB
Sample : 0J14056-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:17:25 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:39
 Operator : MJB
 Sample : 0J14056-ICV1
 Misc : A20I130, AB 50 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:17:38 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.585	5.871	11338398	14733952	46.726	47.569
22) S DCBP (S)	9.805	10.366	7858960	7532882	48.528	48.965
Target Compounds						
2) a-BHC	6.138	6.467	15020058	20133389	48.291	51.065
3) g-BHC	6.426	6.783	12830672	16580506	48.621	49.611
4) b-BHC	6.507	6.851	5309433	6960268	47.240	45.873
5) Heptachlor	6.828	7.157	11688278	13879575	46.165	49.075
6) d-BHC	6.661	7.098	12813872	16831576	46.818	51.299
7) Aldrin	7.071	7.420	13108692	15719509	49.406	51.559
8) Heptachlo...	7.540	7.854	11247347	13181825	46.059	48.326
9) trans-Chl...	7.632	7.993	11964884	13814464	47.088	48.849
10) cis-Chlor...	7.729	8.100	11295269	13175398	46.459	49.107
11) Endosulfa...	7.834	8.149	10661147	12285122	46.635	48.614
12) 4,4'-DDE	7.780	8.202	12377340	14719358	47.634	50.466
13) Dieldrin	8.007	8.347	11962267	13695344	47.409	48.681
14) Endrin	8.176	8.569	8286980	9108981	44.939	46.631
15) 4,4'-DDD	8.209	8.614	10373170	11517384	47.488	49.317
16) Endosulfa...	8.337	8.716	9525270	11152203	45.705	48.573
17) 4,4'-DDT	8.405	8.838	9310922	9632241	46.669	50.582
18) Endrin Al...	8.632	8.950	9684490	10886188	50.544	52.161
19) Endosulfa...	8.937	9.143	9382131	10693779	49.962	51.076
20) Methoxychlor	8.740	9.305	4713235	4507263	48.142	46.619
21) Endrin Ke...	9.138	9.531	11289442	12241555	46.112	49.267
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.971	0.000	26939	0	BelowCal	N.D.
25) Oxychlorane	0.000	7.774	0	18526	N.D.	0.077 #
26) 2,4'-DDE	7.540	7.993	11247347	13814464	72.754	71.211

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:39
 Operator : MJB
 Sample : 0J14056-ICV1
 Misc : A20I130, AB 50 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:17:38 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.729	8.058	11295269	37965	50.209	0.136	#
28)	2,4'-DDD	7.923	8.347	53398	13695344	0.151	85.617	#
29)	2,4'-DDT	8.089	8.569	55544	9108981	0.166	60.793	#
30)	cis-Nonac...	8.209	8.614	10373170	11517384	42.745	41.991	
31)	Mirex	8.890f	9.531	39653	12241555	BelowCal	77.327	
32)	Chlordane...	7.632	7.993	11964884	13814464	436.646	389.894	
33)	Chlordane...	7.729	8.100	11295269	13175398	404.109	456.515	
34)	Chlordane...	0.000	8.755	0	63454	N.D.	4.235	#
35)	Chlordane...	3.957f	3.911	31888	33893	NoCal	NoCal	
36)	Toxaphene...	7.729	8.347	11295269	13695344	7507.679	5003.755	#
37)	Toxaphene...	8.007	0.000	11962267	0	5508.003	N.D.	#
38)	Toxaphene...	8.337	8.716	9525270	11152203	2204.126	2338.386	
39)	Toxaphene...	8.557	8.792	237368	49219	52.623	6.206	#
40)	Toxaphene...	0.000	8.950	0	10886188	N.D.	2277.689	#
41)	Toxaphene...	8.890	9.305	39653	4507263	9.640	959.603	#
42)	Toxaphene...	3.957f	3.911	31888	33893	NoCal	NoCal	

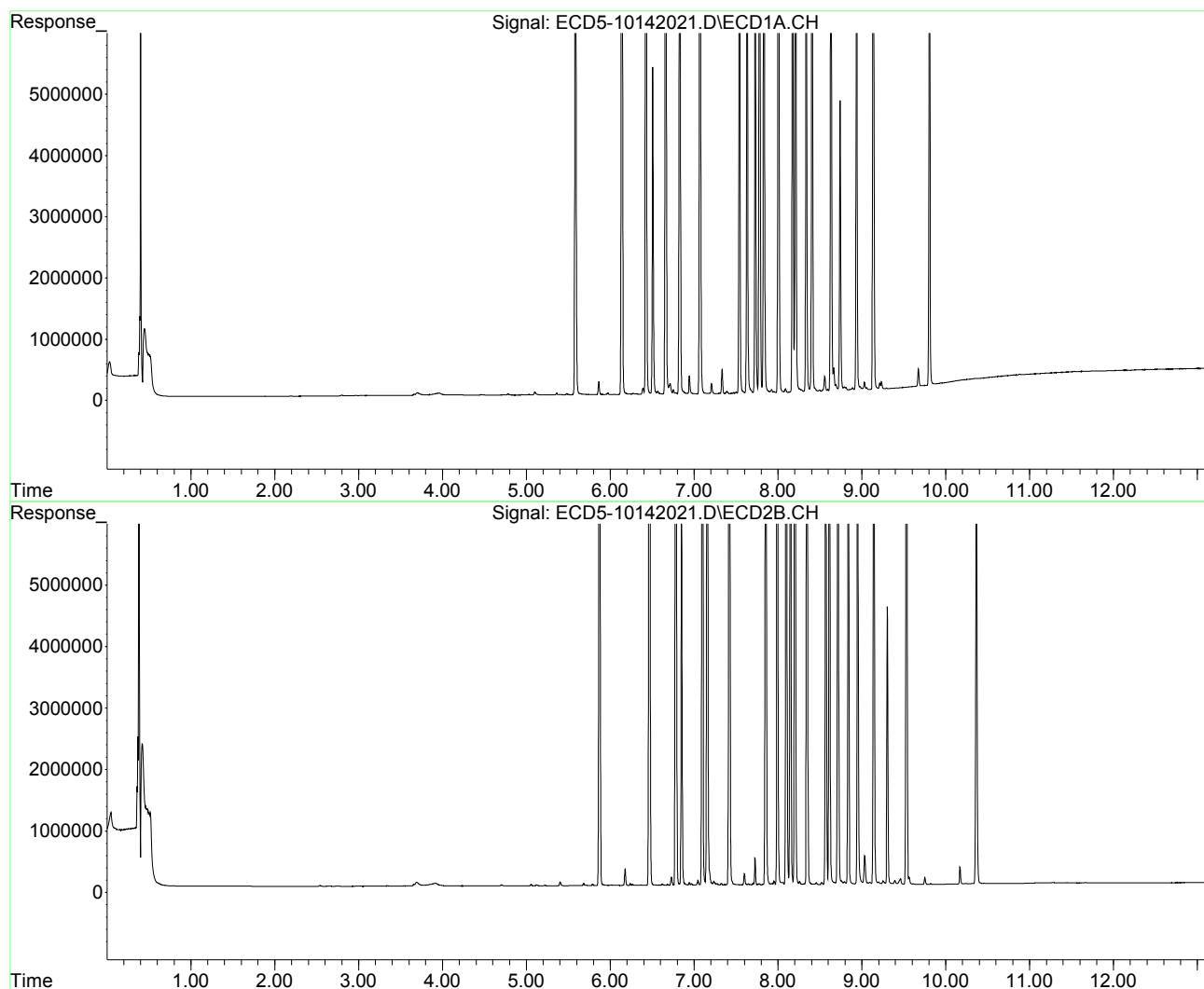
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:39
Operator : MJB
Sample : 0J14056-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:17:38 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 21:30
 Operator : MJB
 Sample : 0J14056-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:24:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.118	0.000	2753	0	0.009	N.D. #
3) g-BHC	6.464f	6.757f	9806	6059	0.037	0.018 #
4) b-BHC	6.514	0.000	6521	0	5685.378	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.666	7.099	11603	6915	0.042	BelowCal #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.
10) cis-Chlor...	7.719	0.000	765	0	0.003	N.D. #
11) Endosulfa...	7.856f	0.000	938	0	0.004	N.D. #
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	8.171	0.000	2336	0	0.013	N.D. #
15) 4,4'-DDD	8.171f	0.000	2336	0	0.011	N.D. #
16) Endosulfa...	8.343	8.718	4869	5509	0.023	0.024
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.636	8.950	13496	15566	6021.157	BelowCal #
19) Endosulfa...	8.939	9.144	11265	14156	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.141	9.534	7487	14278	0.031	0.057 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.973	6.370f	1457	4660	BelowCal	BelowCal
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 21:30
 Operator : MJB
 Sample : 0J14056-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:24:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.719	0.000	765	0	BelowCal	N.D.
28)	2,4'-DDD	7.909	0.000	834	0	BelowCal	N.D.
29)	2,4'-DDT	8.085	0.000	3948	0	BelowCal	N.D.
30)	cis-Nonac...	8.171f	0.000	2336	0	BelowCal	N.D.
31)	Mirex	8.868	9.534	1817	14278	BelowCal	BelowCal
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33)	Chlordane...	7.719	0.000	765	0	0.027	N.D. #
34)	Chlordane...	0.000	8.758	0	46990	N.D.	2.163 #
35)	Chlordane...	3.964f	3.920	24461	17287	NoCal	NoCal
36)	Toxaphene...	7.719	0.000	765	0	BelowCal	N.D.
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	8.343	8.718	4869	5509	1.127	1.155
39)	Toxaphene...	8.591f	8.758	3786	46990	0.839	5.924 #
40)	Toxaphene...	0.000	8.950	0	15566	N.D.	3.257 #
41)	Toxaphene...	8.868	0.000	1817	0	0.442	N.D. #
42)	Toxaphene...	3.964f	3.920	24461	17287	NoCal	NoCal

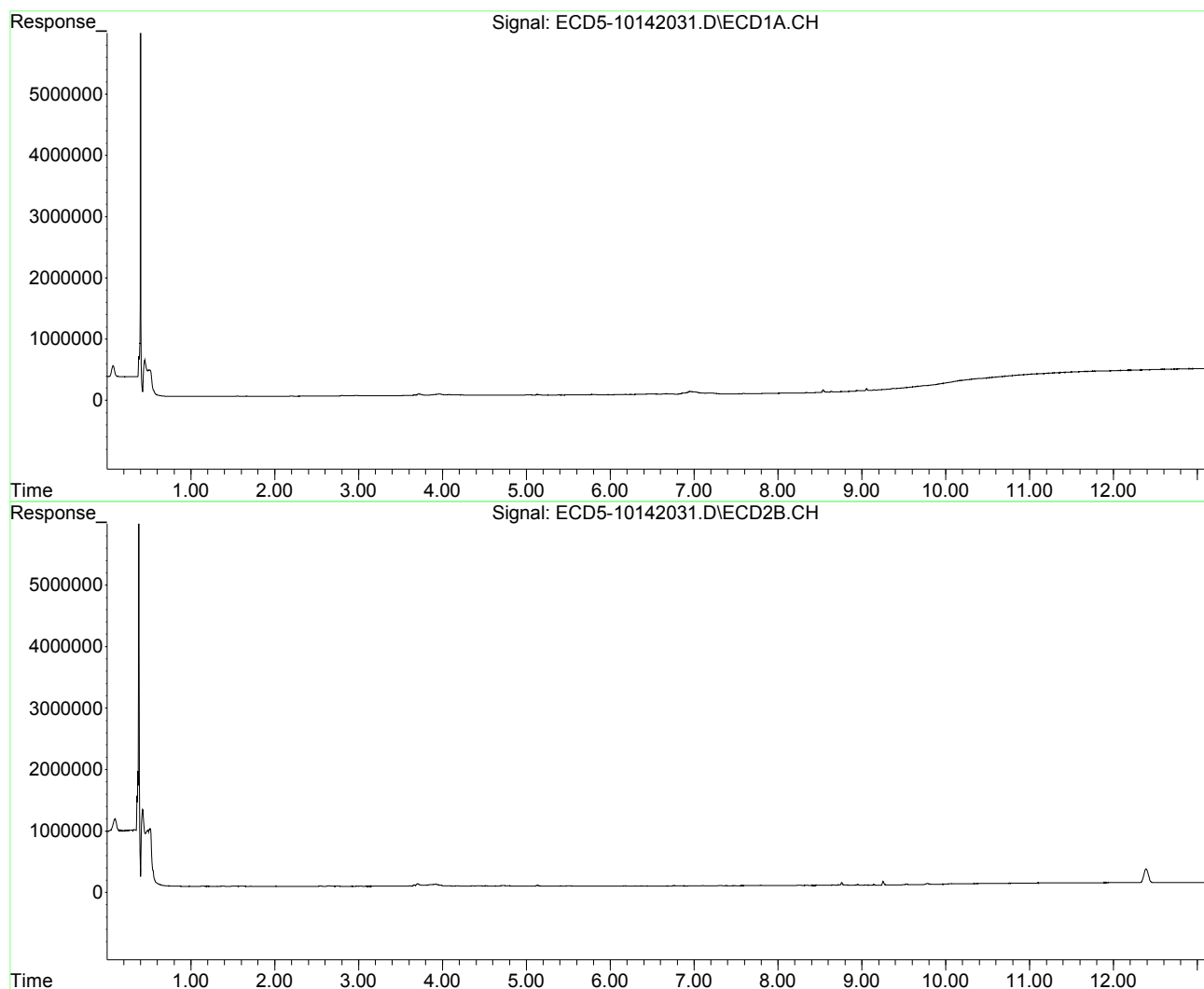
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 21:30
Operator : MJB
Sample : 0J14056-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:24:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 21:47
 Operator : MJB
 Sample : 0J14056-ICV2
 Misc : A20I187, 9-42 50 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:25:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.558f	5.908f	25835	33238	0.106	0.107
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.141	0.000	6392	0	0.021	N.D. #
3) g-BHC	6.394f	0.000	5159	0	0.020	N.D. #
4) b-BHC	6.518	0.000	2916	0	5685.410	N.D. #
5) Heptachlor	6.831	7.157	7565	8541	0.030	0.030
6) d-BHC	6.667	7.098	8991	14163	0.033	BelowCal #
7) Aldrin	7.073	7.457f	2082	15663	0.008	0.051 #
8) Heptachlo...	7.530	7.892f	7542738	128764	30.888	0.472 #
9) trans-Chl...	7.634	7.980	172034	8872756	0.677	31.375 #
10) cis-Chlor...	7.718	8.095	11086314	386044	45.599	1.439 #
11) Endosulfa...	7.829	8.166	150848	53337	0.660	0.211 #
12) 4,4'-DDE	0.000	8.210	0	133129	N.D.	0.456 #
13) Dieldrin	8.001	8.350	24657	7646020	0.098	27.178 #
14) Endrin	8.195	8.572	12045440	7320003	65.320	37.473 #
15) 4,4'-DDD	8.195	8.617	12045440	14115367	55.143	60.441
16) Endosulfa...	8.341	0.000	7764	0	0.037	N.D. #
17) 4,4'-DDT	8.406	0.000	6060	0	0.030	N.D. #
18) Endrin Al...	8.632	8.953	23228	9021	6021.107	BelowCal #
19) Endosulfa...	8.972f	9.144	31250	7871	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.140	9.521	6409	7672362	0.026	30.878 #
23) Hexachlor...	3.383	3.586	11083426	16714142	49.077	46.570
24) Hexachlor...	5.972	6.334	10883939	15251983	46.934	48.874
25) Oxychlorane	7.464	7.786	9416225	11171858	48.828	46.544
26) 2,4'-DDE	7.530	7.980	7542738	8872756	48.659	45.738

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 21:47
 Operator : MJB
 Sample : 0J14056-ICV2
 Misc : A20I187, 9-42 50 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:25:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.718	8.060	11086314	13103962	49.288	47.016
28)	2,4'-DDD	7.908	8.350	6723363	7646020	48.300	49.348
29)	2,4'-DDT	8.089	8.572	6857309	7320003	49.017	49.545
30)	cis-Nonac...	8.195	8.617	12045440	14115367	49.613	50.977
31)	Mirex	8.868	9.521	6781528	7672362	46.223	49.410
32)	Chlordane...	7.634	7.980	172034	8872756	6.278	250.421 #
33)	Chlordane...	7.718	8.095	11086314	386044	396.633	13.376 #
34)	Chlordane...	8.304	8.757	8114	28762	1.005	BelowCal #
35)	Chlordane...	3.963f	3.924	25254	27924	NoCal	NoCal
36)	Toxaphene...	7.718	8.350f	11086314	7646020	7408.368	2793.563 #
37)	Toxaphene...	8.022	0.000	18816	0	8.664	N.D. #
38)	Toxaphene...	8.341	0.000	7764	0	1.796	N.D. #
39)	Toxaphene...	8.592f	8.757	5833	28762	1.293	3.626 #
40)	Toxaphene...	0.000	8.953	0	9021	N.D.	1.887 #
41)	Toxaphene...	8.868	0.000	6781528	0	1648.686	N.D. #
42)	Toxaphene...	3.963f	3.924	25254	27924	NoCal	NoCal

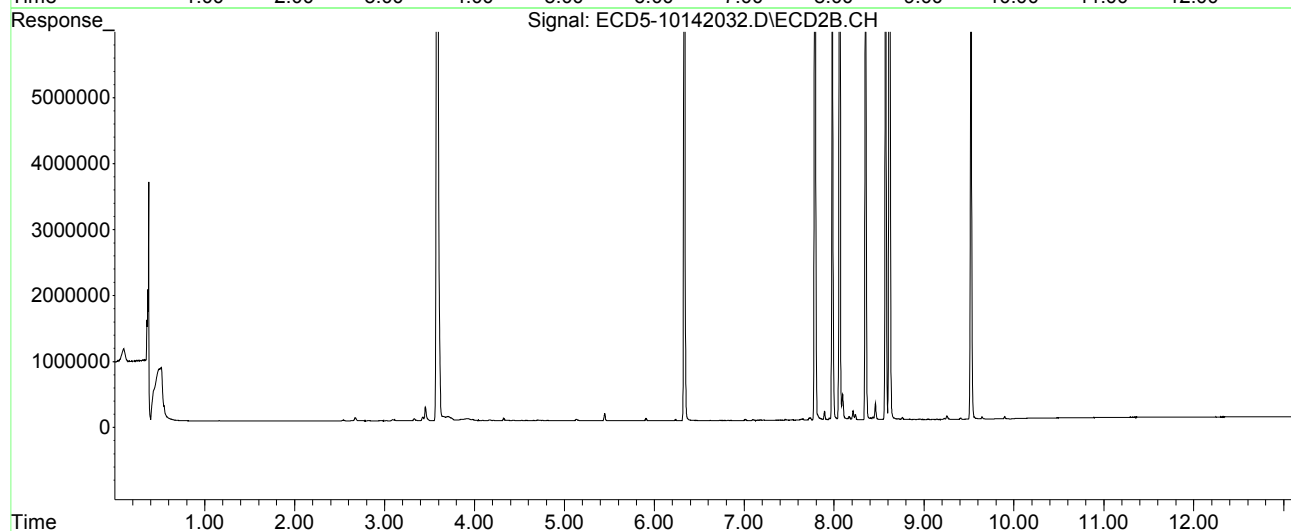
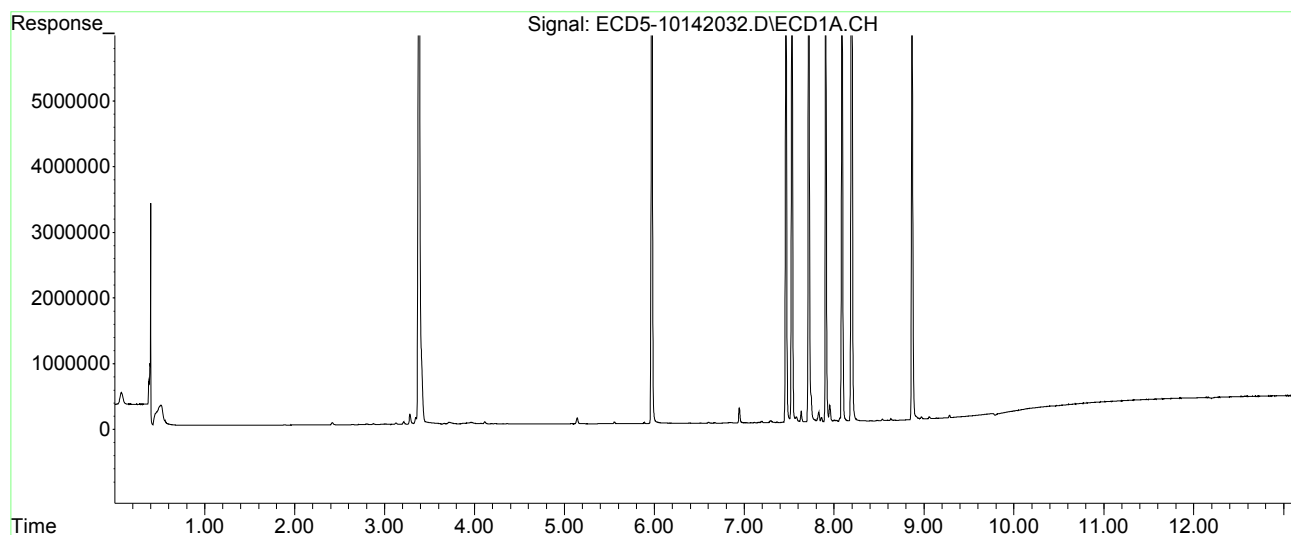
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 21:47
Operator : MJB
Sample : 0J14056-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:25:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:06
 Operator : MJB
 Sample : 0J14056-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:25:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.452f	0.000	3800	0	0.014	N.D. #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.668	7.099	4896	7191	0.018	BelowCal #
7) Aldrin	7.048f	0.000	5778	0	0.022	N.D. #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.633	0.000	3479	0	0.014	N.D. #
10) cis-Chlor...	7.731	0.000	1238	0	0.005	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	8.013	0.000	723	0	0.003	N.D. #
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	8.344	0.000	4071	0	0.020	N.D. #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.638	8.952	11717	15215	6021.167	BelowCal #
19) Endosulfa...	8.941	9.144	9014	14227	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.143	9.534	8075	9562	0.033	0.038
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:06
 Operator : MJB
 Sample : 0J14056-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:25:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.731	0.000	1238	0	BelowCal	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	8.086	0.000	3906	0	BelowCal	N.D.
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	9.534	0	9562	N.D.	BelowCal
32)	Chlordane...	7.633	0.000	3479	0	0.127	N.D. #
33)	Chlordane...	7.731	0.000	1238	0	0.044	N.D. #
34)	Chlordane...	0.000	8.760	0	28864	N.D.	BelowCal
35)	Chlordane...	3.966f	3.928	16622	10543	NoCal	NoCal
36)	Toxaphene...	7.731	0.000	1238	0	BelowCal	N.D.
37)	Toxaphene...	8.013	0.000	723	0	0.333	N.D. #
38)	Toxaphene...	8.344	0.000	4071	0	0.942	N.D. #
39)	Toxaphene...	8.595f	8.760	3469	28864	0.769	3.639 #
40)	Toxaphene...	0.000	8.952	0	15215	N.D.	3.183 #
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.966f	3.928	16622	10543	NoCal	NoCal

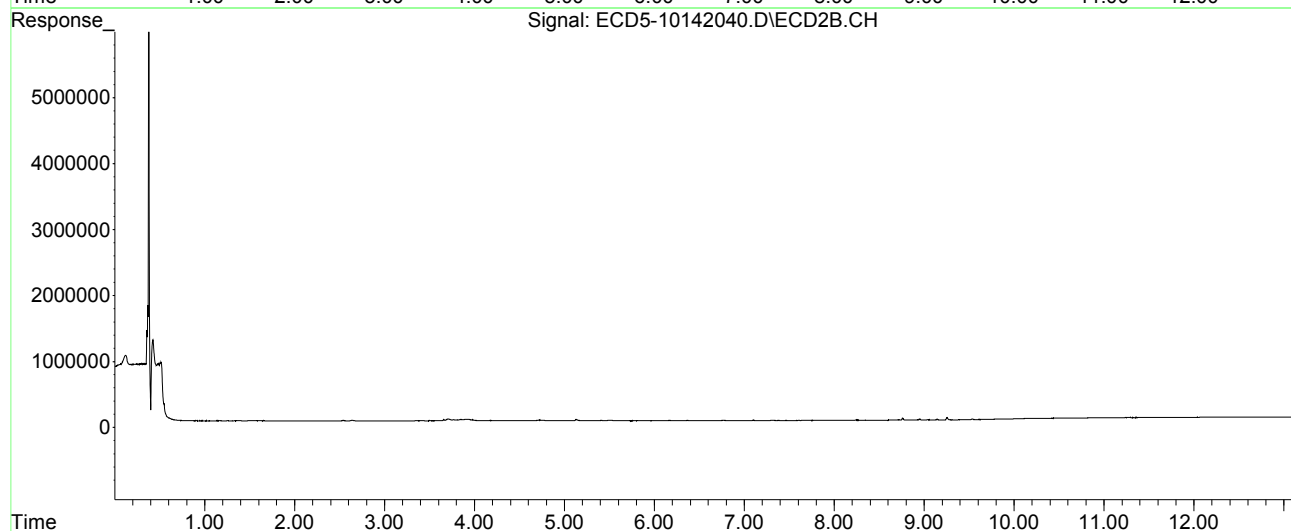
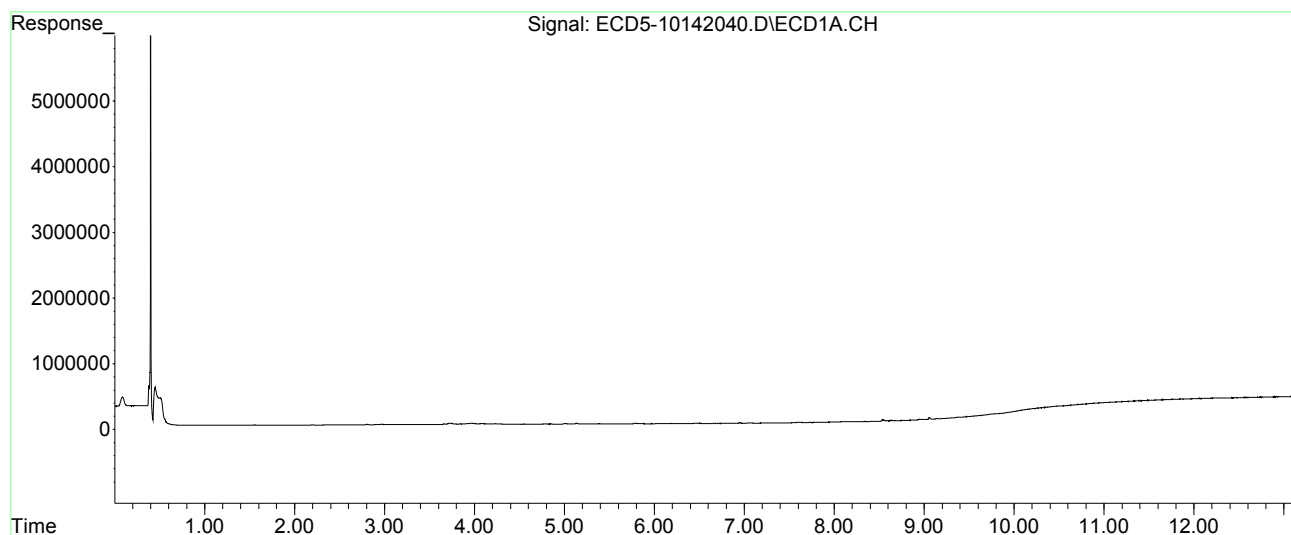
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 0:06
Operator : MJB
Sample : 0J14056-IBL3
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:25:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:24
 Operator : MJB
 Sample : 0J14056-ICV3
 Misc : A20F062, CHLOR 500 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:26:02 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.587	5.909f	4979	1141121	0.021	3.684 #
22) S DCBP (S)	9.828f	10.338f	29020	9448	BelowCal	BelowCal
Target Compounds						
2) a-BHC	6.100f	6.498f	14762	344753	0.047	0.874 #
3) g-BHC	6.439	6.797	12737	170805	0.048	0.511 #
4) b-BHC	6.522	6.888f	144947	514581	1.096	3.391 #
5) Heptachlor	6.831	7.157	6010030	7190072	23.738	25.423
6) d-BHC	6.647	7.096	83754	57211	0.306	BelowCal #
7) Aldrin	7.049f	7.429	86726	98029	0.327	0.322
8) Heptachlo...	7.544	7.872	931923	394163	3.816	1.445 #
9) trans-Chl...	7.635	7.995	13786444	18818744	54.257	66.544
10) cis-Chlor...	7.728	8.100	13943366	15159520	57.351	56.502
11) Endosulfa...	7.850	8.165	361484	287125	1.581	1.136 #
12) 4,4'-DDE	7.793	8.200	394132	410408	1.517	1.407
13) Dieldrin	8.021	8.349	448876	1433824	1.779	5.097 #
14) Endrin	8.197f	8.571	2452703	352354	13.301	1.804 #
15) 4,4'-DDD	8.197	8.618	2452703	2861374	11.228	12.252
16) Endosulfa...	8.335	8.707	308857	371178	1.482	1.617
17) 4,4'-DDT	8.378f	8.829	140769	284372	0.706	1.493 #
18) Endrin Al...	8.649	8.980f	73569	826033	0.020	3.756 #
19) Endosulfa...	8.937	9.167f	166803	86337	0.667	0.220 #
20) Methoxychlor	8.748	9.330f	71644	24972	0.549	0.258 #
21) Endrin Ke...	9.144	9.535	12667	161483	0.052	0.650 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.964	6.303f	16110	40844	BelowCal	BelowCal
25) Oxychlorane	7.494f	7.767	2745005	191752	14.202	0.799 #
26) 2,4'-DDE	7.544	7.995	931923	18818744	5.802	97.007 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:24
 Operator : MJB FRONT COLUMN: 505.63
 Sample : 0J14056-ICV3 REAR COLUMN: 530.38
 Misc : A20F062, CHLOR 500 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:26:02 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.728	8.061	13943366	13031298	61.846	46.756
28)	2,4'-DDD	7.886f	8.349	1178784	1433824	8.304	9.409
29)	2,4'-DDT	8.067f	8.571	1106799	352354	7.814	2.305 #
30)	cis-Nonac...	8.197	8.618	2452703	2861374	9.997	10.655
31)	Mirex	8.837f	9.535	27556	161483	BelowCal	0.725
32)	Chlordane...	7.635	7.995	13786444	18818744	503.122	531.133
33)	Chlordane...	7.728	8.100	13943366	15159520	498.849	525.263
34)	Chlordane...	8.288	8.752	4157061	4461021	514.914	534.739
35)	Chlordane...	3.967f	3.928	14135	12178	NoCal	NoCal
36)	Toxaphene...	7.728	8.349f	13943366	1433824	8706.362	523.864 #
37)	Toxaphene...	8.021	8.671	448876	504914	206.684	153.037 #
38)	Toxaphene...	8.335	8.707	308857	371178	71.469	77.828
39)	Toxaphene...	8.565	8.752f	163949	4461021	36.346	562.447 #
40)	Toxaphene...	8.777f	8.980f	75642	826033	21.284	172.829 #
41)	Toxaphene...	8.837f	9.330	27556	24972	6.699	5.317
42)	Toxaphene...	3.967f	3.928	14135	12178	NoCal	NoCal

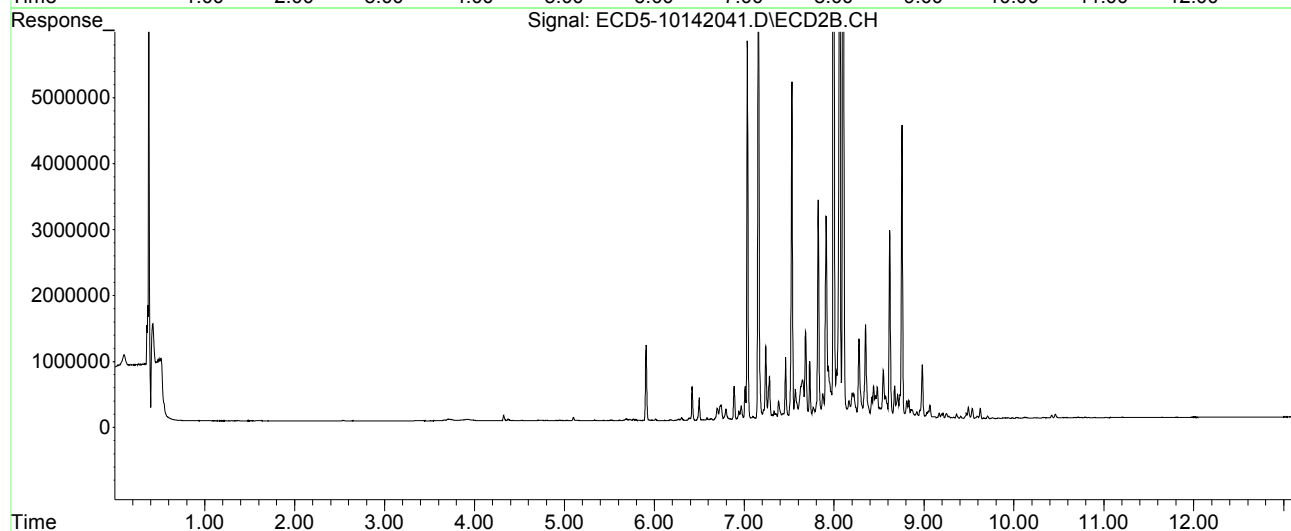
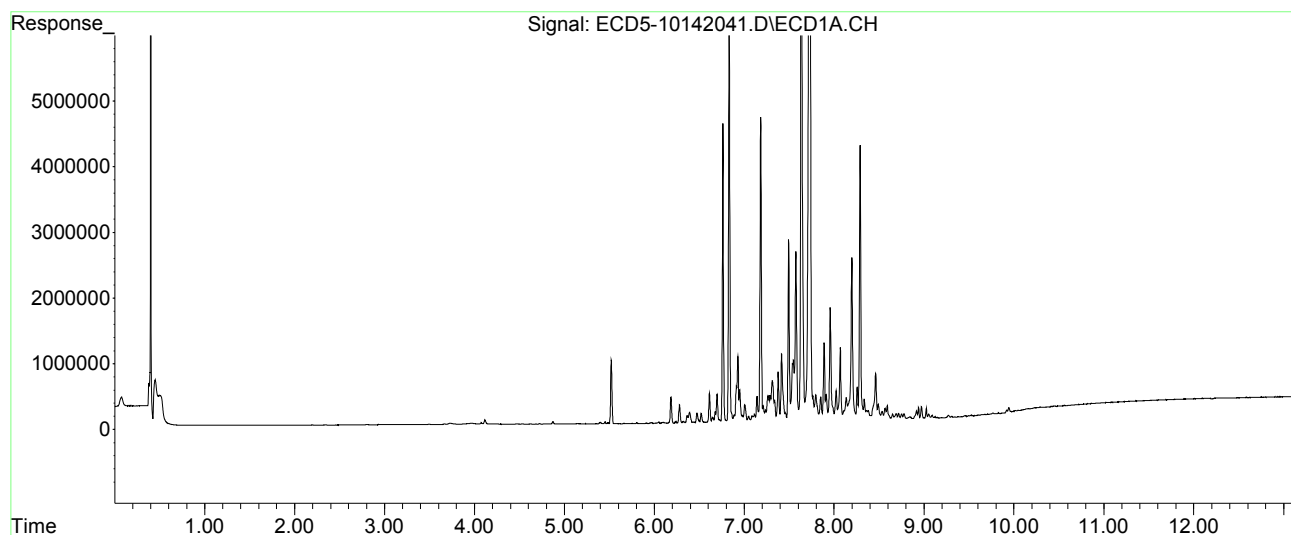
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 0:24
Operator : MJB
Sample : 0J14056-ICV3
Misc : A20F062, CHLOR 500 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:26:02 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142049.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:42
 Operator : MJB
 Sample : 0J14056-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:26:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.120	0.000	2371	0	0.008	N.D. #
3) g-BHC	6.454f	0.000	4874	0	0.018	N.D. #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.669	7.100	4951	7226	0.018	BelowCal #
7) Aldrin	7.047f	0.000	5634	0	0.021	N.D. #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.593f	0.000	5198	0	0.020	N.D. #
10) cis-Chlor...	0.000	0.000	0	0	N.D.	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	8.012	0.000	601	0	0.002	N.D. #
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	8.346	0.000	4477	0	0.021	N.D. #
17) 4,4'-DDT	8.408	0.000	855	0	0.004	N.D. #
18) Endrin Al...	8.639	8.953	11463	15021	6021.168	BelowCal #
19) Endosulfa...	8.943	9.145	8927	13913	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.144	9.534	6993	9296	0.029	0.037 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	6.370f	0	4849	N.D.	BelowCal
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142049.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:42
 Operator : MJB
 Sample : 0J14056-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:26:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	0.000	0.000	0	0	N.D.	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	8.084	0.000	4158	0	BelowCal	N.D.
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	9.534	0	9296	N.D.	BelowCal
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34)	Chlordane...	0.000	8.761	0	29798	N.D.	BelowCal
35)	Chlordane...	3.967f	0.000	11821	0	NoCal	N.D.
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37)	Toxaphene...	8.012	0.000	601	0	0.277	N.D. #
38)	Toxaphene...	8.346	0.000	4477	0	1.036	N.D. #
39)	Toxaphene...	8.543f	8.761	25764	29798	5.712	3.757 #
40)	Toxaphene...	0.000	8.953	0	15021	N.D.	3.143 #
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.967f	0.000	11821	0	NoCal	N.D.

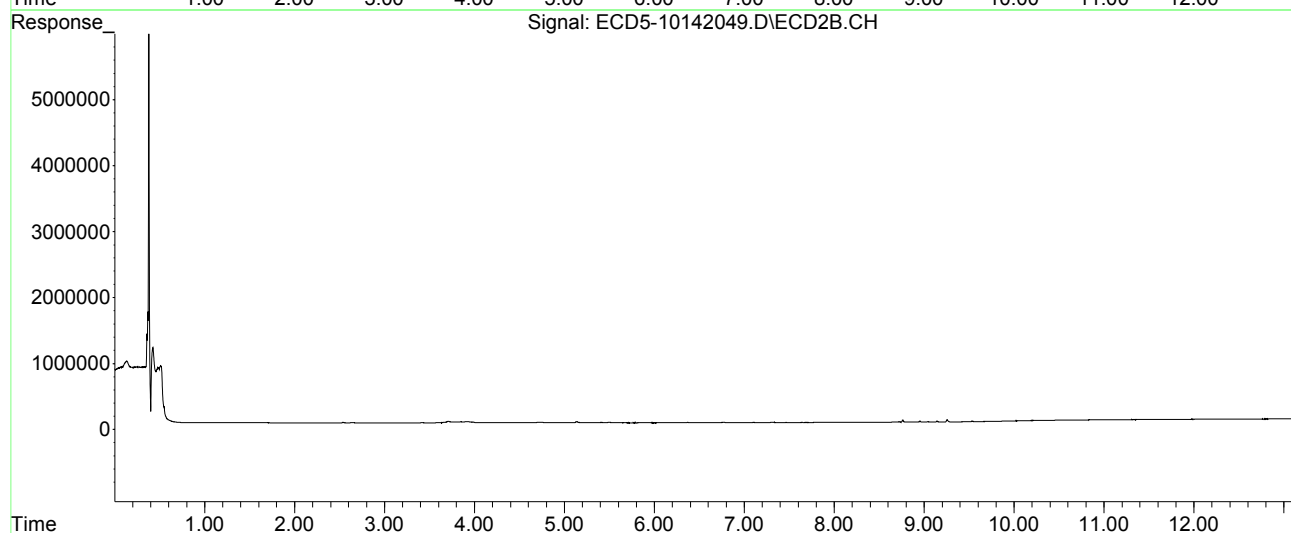
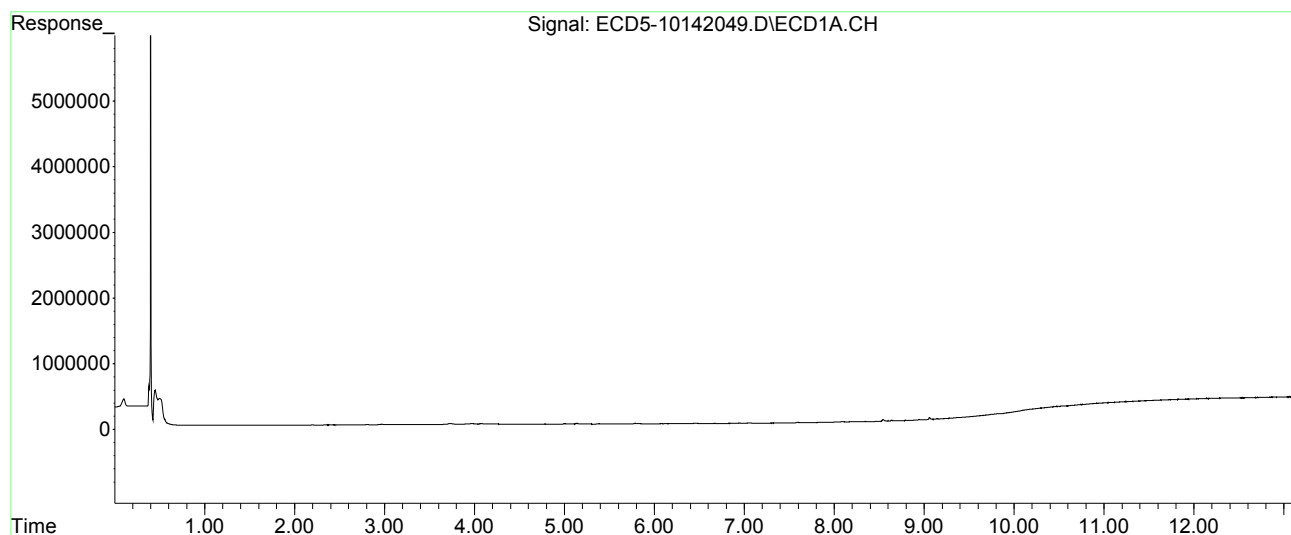
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142049.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 2:42
Operator : MJB
Sample : 0J14056-IBL4
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:26:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142050.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:59
 Operator : MJB
 Sample : 0J14056-ICV4
 Misc : A20F067, TOX 500 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:26:51 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.605	0.000	2254	0	0.009	N.D. #
22) S DCBP (S)	9.815	10.348	50694	64868	0.015	0.241 #
Target Compounds						
2) a-BHC	6.140	6.470	6783	6487	0.022	0.016
3) g-BHC	6.433	6.775	5593	20544	0.021	0.061 #
4) b-BHC	6.497	6.839	12694	24566	5685.323	0.162 #
5) Heptachlor	6.835	7.170	21771	39049	0.086	0.138 #
6) d-BHC	6.670	7.102	17985	40266	0.066	BelowCal #
7) Aldrin	7.078	7.389f	57233	62247	0.216	0.204
8) Heptachlo...	7.548	7.854	179467	354766	0.735	1.301 #
9) trans-Chl...	7.614	7.994	294598	296602	1.159	1.049
10) cis-Chlor...	7.715	8.083	516495	455473	2.124	1.698
11) Endosulfa...	7.842	8.160	718927	553793	3.145	2.191 #
12) 4,4'-DDE	7.762	8.188	419124	593442	1.613	2.035 #
13) Dieldrin	8.010	8.366	1092400	725268	4.329	2.578 #
14) Endrin	8.192	8.568	1496418	1292028	8.115	6.614
15) 4,4'-DDD	8.192	8.621	1496418	873846	6.850	3.742 #
16) Endosulfa...	8.328	8.706	2223236	2329966	10.668	10.148
17) 4,4'-DDT	8.413	8.833	2019601	963881	10.123	5.062 #
18) Endrin Al...	8.655f	8.952	1416676	2376171	7.029	11.374 #
19) Endosulfa...	8.934	9.144	963703	983445	4.974	4.724
20) Methoxychlor	8.724	9.322	1376196	2362974	14.029	24.440 #
21) Endrin Ke...	9.123	9.564f	608605	501172	2.486	2.017
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.978	6.307f	1967	3327	BelowCal	BelowCal
25) Oxychlorane	7.470	7.802	369469	380947	1.695	1.587
26) 2,4'-DDE	7.548	7.977	179467	423782	0.935	2.185 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142050.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:59
 Operator : MJB
 Sample : 0J14056-ICV4
 Misc : A20F067, TOX 500 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

FRONT COLUMN: 520.5
 REAR COLUMN: 499.05

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 12:26:51 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.715	8.040f	516495	624458	2.125	2.241
28)	2,4'-DDD	7.931f	8.366	796059	725268	5.533	4.652
29)	2,4'-DDT	8.074	8.568	1162375	1292028	8.218	9.041
30)	cis-Nonac...	8.192	8.621	1496418	873846	6.018	3.121 #
31)	Mirex	8.870	9.491f	2110979	543998	14.171	3.299 #
32)	Chlordane...	7.614f	7.994	294598	296602	10.751	8.371
33)	Chlordane...	7.715	8.083	516495	455473	18.479	15.782
34)	Chlordane...	8.271	8.774f	947798	3989349	117.399	479.873 #
35)	Chlordane...	3.944	3.932	11293	8112	NoCal	NoCal
36)	Toxaphene...	7.715	8.326	516495	1366155	545.619	499.141
37)	Toxaphene...	8.010	8.674	1092400	1660743	502.993	503.363
38)	Toxaphene...	8.328	8.706	2223236	2329966	514.452	488.546
39)	Toxaphene...	8.567	8.774	2333915	3989349	517.412	502.979
40)	Toxaphene...	8.801	8.952	1881253	2376171	529.332	497.160
41)	Toxaphene...	8.870	9.322	2110979	2362974	513.209	503.081
42)	Toxaphene...	3.944	3.932	11293	8112	NoCal	NoCal

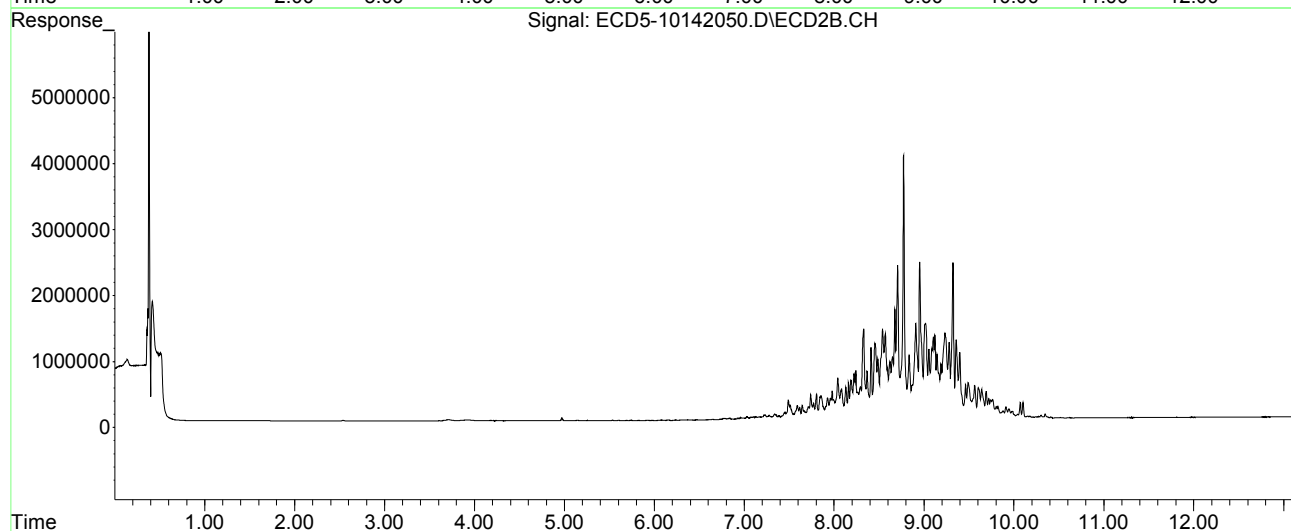
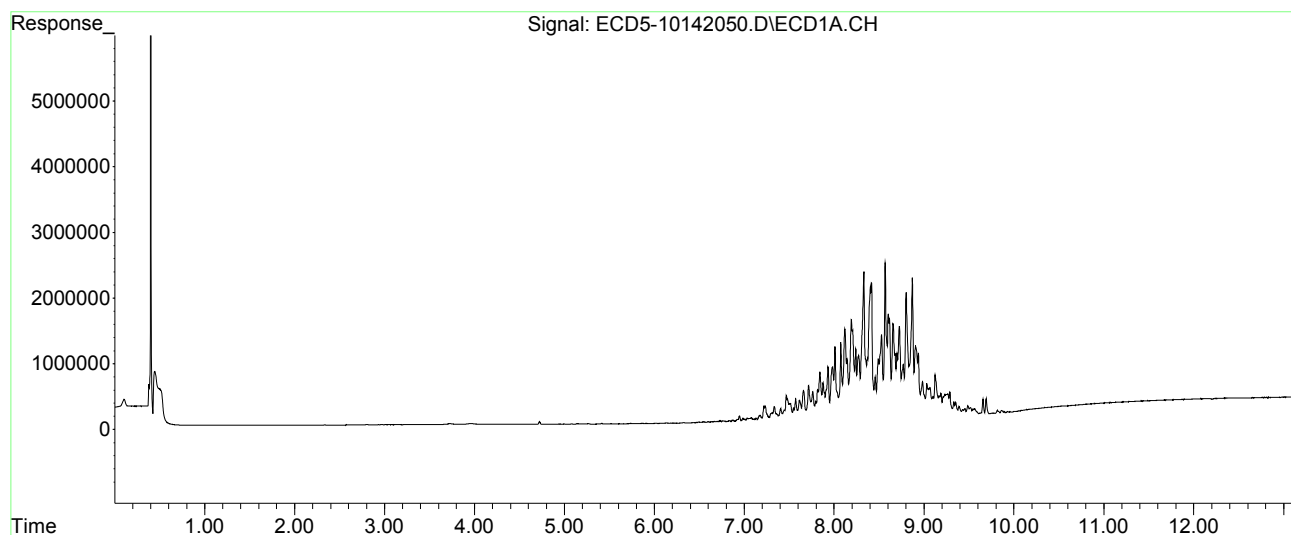
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142050.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 2:59
Operator : MJB
Sample : 0J14056-ICV4
Misc : A20F067, TOX 500 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 12:26:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 15:47
 Operator : MJB
 Sample : 0J14056-CAL1
 Misc : A20J229, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:33:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.872	140529	170319	0.579	0.550
22) S DCBP (S)	9.806	10.368	127242	102135	0.493	0.493
Target Compounds						
2) a-BHC	6.140	6.468	167796	193976	0.539	0.492
3) g-BHC	6.430	6.785	140254	169378	0.531	0.507
4) b-BHC	6.512	6.853	76860	90501	0.493	0.596
5) Heptachlor	6.830	7.158	141918	155482	0.561	0.550
6) d-BHC	6.664	7.099	153083	218781	0.559	0.516
7) Aldrin	7.073	7.421	143946	154585	0.543	0.507
8) Heptachlo...	7.543	7.855	140794	142572	0.577	0.523
9) trans-Chl...	7.635	7.995	144465	150441	0.569	0.532
10) cis-Chlor...	7.732	8.101	137544	143168	0.566	0.534
11) Endosulfa...	7.837	8.150	128922	135108	0.564	0.535
12) 4,4'-DDE	7.781	8.204	142374	148799	0.548	0.510
13) Dieldrin	8.009	8.349	138131	151375	0.547	0.538
14) Endrin	8.179	8.571	105277	109506	0.571	0.561
15) 4,4'-DDD	8.210	8.616	123211	129395	0.564	0.554
16) Endosulfa...	8.340	8.717	126564	131578	0.607	0.573
17) 4,4'-DDT	8.407	8.839	113864	98085	0.571	0.515
18) Endrin Al...	8.634	8.951	161066	161530	0.476	0.471
19) Endosulfa...	8.938	9.144	136316	143250	0.502	0.507
20) Methoxychlor	8.741	9.305	66721	56609	0.498	0.586
21) Endrin Ke...	9.139	9.532	143156	141257	0.585	0.568
23) Hexachlor...	3.227f	0.000	1832	0	5503.644	N.D. #
24) Hexachlor...	5.864	0.000	5503	0	BelowCal	N.D.
25) Oxychlorane	7.335	0.000	5452	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	7.995	0	150441	N.D.	0.468 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 15:47
 Operator : MJB
 Sample : 0J14056-CAL1
 Misc : A20J229, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:33:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	0.000	8.101	0	143168	N.D.	0.212 #
28)	2,4'-DDD	7.781	8.349f	142374	151375	0.992	0.721 #
29)	2,4'-DDT	0.000	8.616	0	129395	N.D.	0.907 #
30)	cis-Nonac...	8.060	8.616f	2424	129395	BelowCal	0.337
31)	Mirex	8.741	9.532f	66721	141257	0.232	0.479 #
32)	Chlordane...	7.543	8.101	140794	143168	5.887	3.187 #
33)	Chlordane...	7.635	8.204	144465	148799	5.455	3.954 #
34)	Chlordane...	8.210	8.839	123211	98085	19.505	9.934 #
35)	Chlordane...	3.941	3.902	51823	58510	NoCal	NoCal
36)	Toxaphene...	7.635	0.000	144465	0	151.961	N.D. #
37)	Toxaphene...	7.909	8.755	4865	42014	2.687	12.028 #
38)	Toxaphene...	8.210f	8.839f	123211	98085	35.690	18.359 #
39)	Toxaphene...	0.000	8.839f	0	98085	N.D.	10.714 #
40)	Toxaphene...	8.741f	9.039	66721	14019	26.527	2.773 #
41)	Toxaphene...	8.741f	0.000	66721	0	21.374	N.D. #
42)	Toxaphene...	3.941	3.902f	51823	58510	NoCal	NoCal

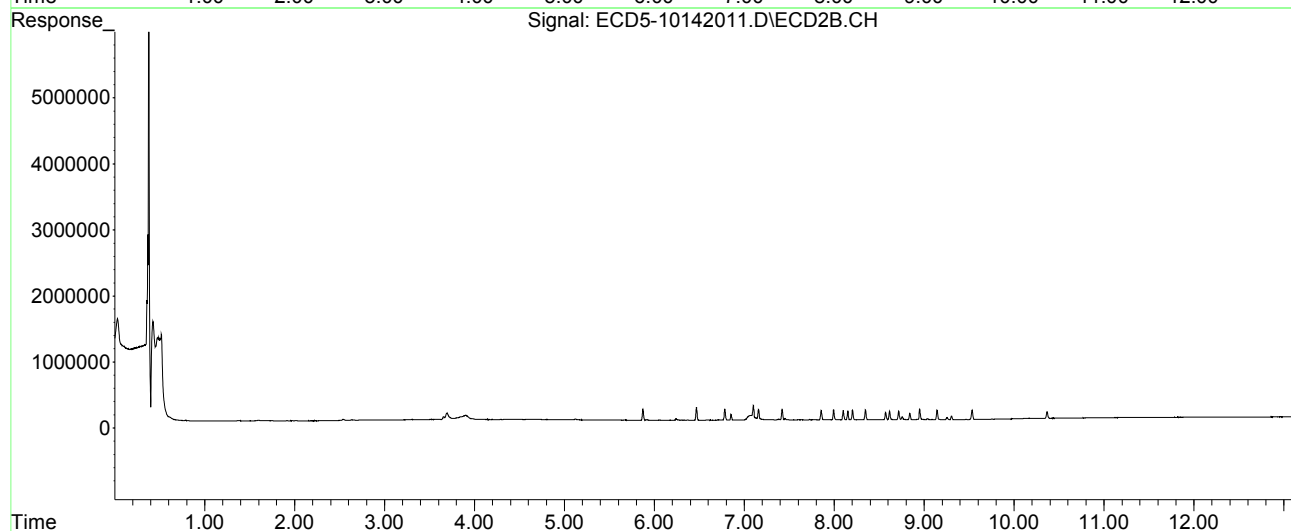
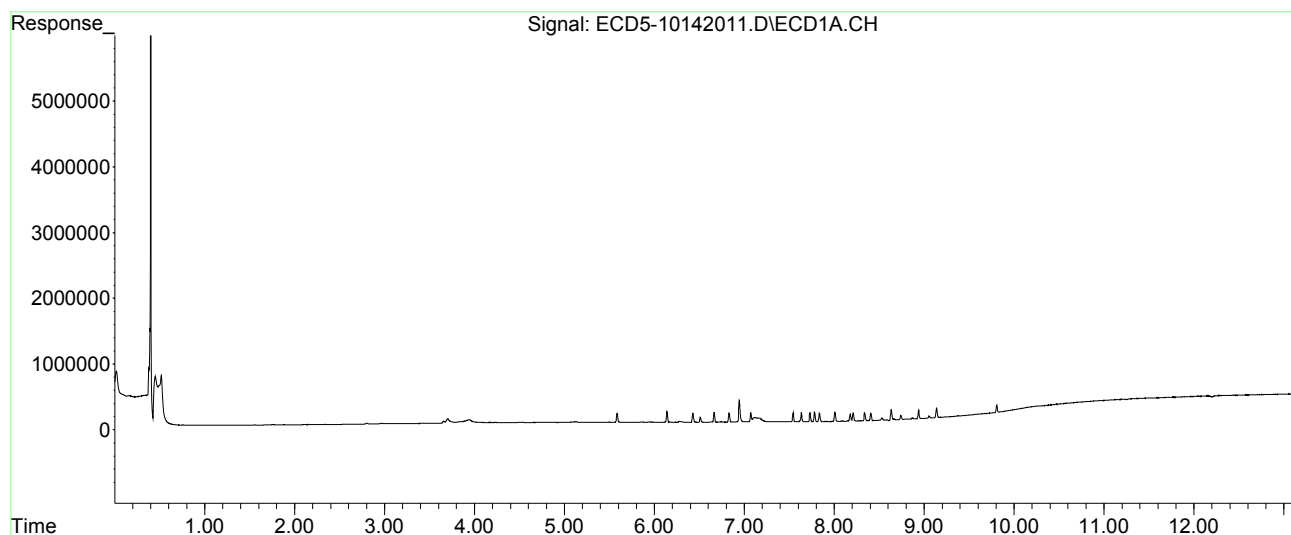
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:04
 Operator : MJB
 Sample : 0J14056-CAL2
 Misc : A20J230, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:33:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.872	253886	311085	1.046	1.004
22) S DCBP (S)	9.806	10.367	210456	180596	1.013	1.022
Target Compounds						
2) a-BHC	6.139	6.467	306194	369703	0.984	0.938
3) g-BHC	6.429	6.784	268763	315438	1.018	0.944
4) b-BHC	6.512	6.853	134233	163076	1.002	1.075
5) Heptachlor	6.830	7.158	254387	263644	1.005	0.932
6) d-BHC	6.664	7.099	279968	354018	1.023	0.954
7) Aldrin	7.072	7.420	274443	288446	1.034	0.946
8) Heptachlo...	7.542	7.856	259023	268398	1.061	0.984
9) trans-Chl...	7.635	7.995	267031	275149	1.051	0.973
10) cis-Chlor...	7.732	8.102	256225	262088	1.054	0.977
11) Endosulfa...	7.836	8.151	240021	251042	1.050	0.993
12) 4,4'-DDE	7.781	8.203	261532	276372	1.007	0.948
13) Dieldrin	8.009	8.349	260366	268257	1.032	0.954
14) Endrin	8.178	8.571	188876	185759	1.024	0.951
15) 4,4'-DDD	8.210	8.616	224880	227533	1.029	0.974
16) Endosulfa...	8.340	8.718	220968	234183	1.060	1.020
17) 4,4'-DDT	8.406	8.840	203498	176159	1.020	0.925
18) Endrin Al...	8.635	8.951	267831	281603	1.032	1.066
19) Endosulfa...	8.938	9.145	224706	235751	0.980	0.973
20) Methoxychlor	8.741	9.306	114664	99371	0.995	1.028
21) Endrin Ke...	9.139	9.533	256580	241014	1.048	0.970
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.864	0.000	6935	0	BelowCal	N.D.
25) Oxychlorane	7.335	0.000	9476	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	7.995	0	275149	N.D.	1.044 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:04
 Operator : MJB
 Sample : 0J14056-CAL2
 Misc : A20J230, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:33:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	0.000	8.102	0	262088	N.D.	0.580	#
28)	2,4'-DDD	7.781	8.349f	261532	268257	1.978	1.278	#
29)	2,4'-DDT	7.927f	8.616	1289	227533	0.013	1.641	#
30)	cis-Nonac...	8.092f	8.616f	3257	227533	BelowCal	0.593	
31)	Mirex	8.741	9.533f	114664	241014	0.593	0.991	#
32)	Chlordane...	7.542	8.102	259023	262088	10.831	5.834	#
33)	Chlordane...	7.635	8.203	267031	276372	10.084	7.344	#
34)	Chlordane...	8.210	8.840	224880	176159	35.600	17.841	#
35)	Chlordane...	3.943	3.906	49464	57614	NoCal	NoCal	
36)	Toxaphene...	7.635	0.000	267031	0	280.886	N.D.	#
37)	Toxaphene...	7.927	8.755	1289	45917	0.712	13.145	#
38)	Toxaphene...	8.210f	8.840f	224880	176159	65.140	32.972	#
39)	Toxaphene...	8.448f	8.840f	7326	176159	2.164	19.243	#
40)	Toxaphene...	8.741f	9.039	114664	13356	45.587	2.642	#
41)	Toxaphene...	8.741f	0.000	114664	0	36.732	N.D.	#
42)	Toxaphene...	3.943	3.906	49464	57614	NoCal	NoCal	

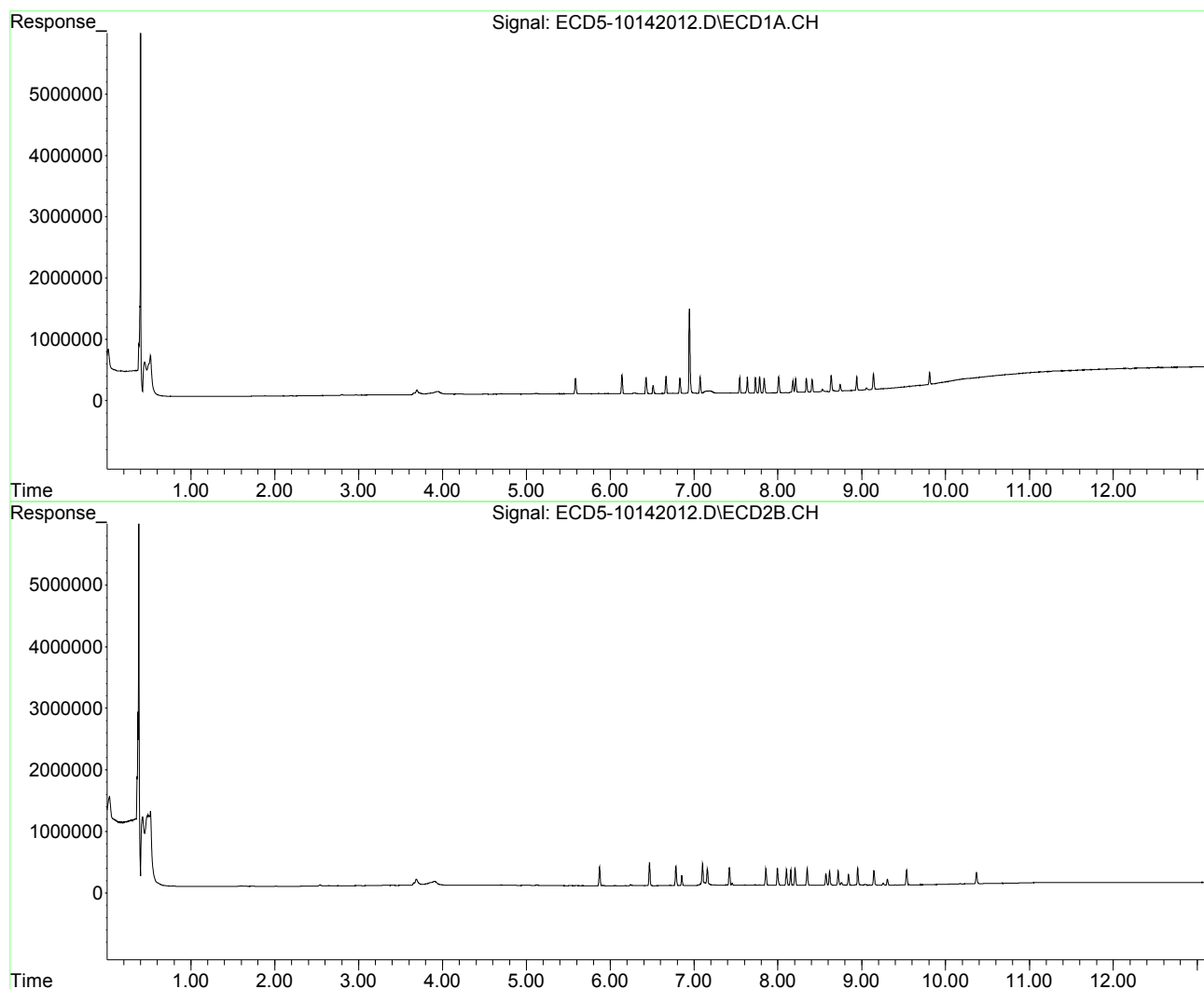
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 16:04
Operator : MJB
Sample : 0J14056-CAL2
Misc : A20J230, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:21
 Operator : MJB
 Sample : 0J14056-CAL3
 Misc : A20H471, AB 2 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:33:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.871	497197	614440	2.049	1.984
22) S DCBP (S)	9.806	10.367	375364	330405	2.044	2.032
Target Compounds						
2) a-BHC	6.139	6.468	628323	753186	2.020	1.910
3) g-BHC	6.429	6.785	533694	641946	2.022	1.921
4) b-BHC	6.512	6.853	257026	306878	2.090	2.023
5) Heptachlor	6.830	7.158	511111	517087	2.019	1.828
6) d-BHC	6.664	7.100	554144	649345	2.025	1.910
7) Aldrin	7.072	7.420	542139	584662	2.043	1.918
8) Heptachlo...	7.542	7.856	501641	516383	2.054	1.893
9) trans-Chl...	7.635	7.996	517096	546800	2.035	1.934
10) cis-Chlor...	7.732	8.102	497982	519519	2.048	1.936
11) Endosulfa...	7.836	8.151	468891	473272	2.051	1.873
12) 4,4'-DDE	7.781	8.204	521556	558084	2.007	1.913
13) Dieldrin	8.009	8.349	501289	530524	1.987	1.886
14) Endrin	8.179	8.572	385124	373106	2.088	1.910
15) 4,4'-DDD	8.210	8.616	445212	442696	2.038	1.896
16) Endosulfa...	8.340	8.718	421233	439713	2.021	1.915
17) 4,4'-DDT	8.406	8.840	400654	357211	2.008	1.876
18) Endrin Al...	8.635	8.952	510289	521610	2.297	2.253
19) Endosulfa...	8.938	9.145	418629	437332	2.029	1.987
20) Methoxychlor	8.740	9.306	215205	189005	2.037	1.955
21) Endrin Ke...	9.139	9.534	490417	461874	2.003	1.859
23) Hexachlor...	3.229f	0.000	2760	0	5503.640	N.D. #
24) Hexachlor...	5.864	0.000	12264	0	BelowCal	N.D.
25) Oxychlorane	7.335	0.000	15802	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	7.996	0	546800	N.D.	2.298 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:21
 Operator : MJB
 Sample : 0J14056-CAL3
 Misc : A20H471, AB 2 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:33:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	0.000	8.102	0	519519	N.D.	1.375	#
28)	2,4'-DDD	7.781	8.349f	521556	530524	4.130	2.527	#
29)	2,4'-DDT	7.928f	8.616	1656	442696	0.017	3.241	#
30)	cis-Nonac...	8.091f	8.616f	2866	442696	BelowCal	1.153	
31)	Mirex	8.740	9.566	215205	6215	1.348	BelowCal	#
32)	Chlordane...	7.542	8.102	501641	519519	20.977	11.565	#
33)	Chlordane...	7.635	8.204	517096	558084	19.527	14.831	
34)	Chlordane...	8.210	8.840	445212	357211	70.480	36.178	#
35)	Chlordane...	3.944	3.906	50099	55611	NoCal	NoCal	
36)	Toxaphene...	7.635	0.000	517096	0	543.926	N.D.	#
37)	Toxaphene...	7.928	8.757	1656	37150	0.915	10.635	#
38)	Toxaphene...	8.210f	8.840f	445212	357211	128.963	66.859	#
39)	Toxaphene...	8.448f	8.840f	8559	357211	2.528	39.020	#
40)	Toxaphene...	8.740f	9.039	215205	19449	85.560	3.847	#
41)	Toxaphene...	8.815f	9.465f	5061	6183	1.621	1.401	
42)	Toxaphene...	3.944	3.906	50099	55611	NoCal	NoCal	

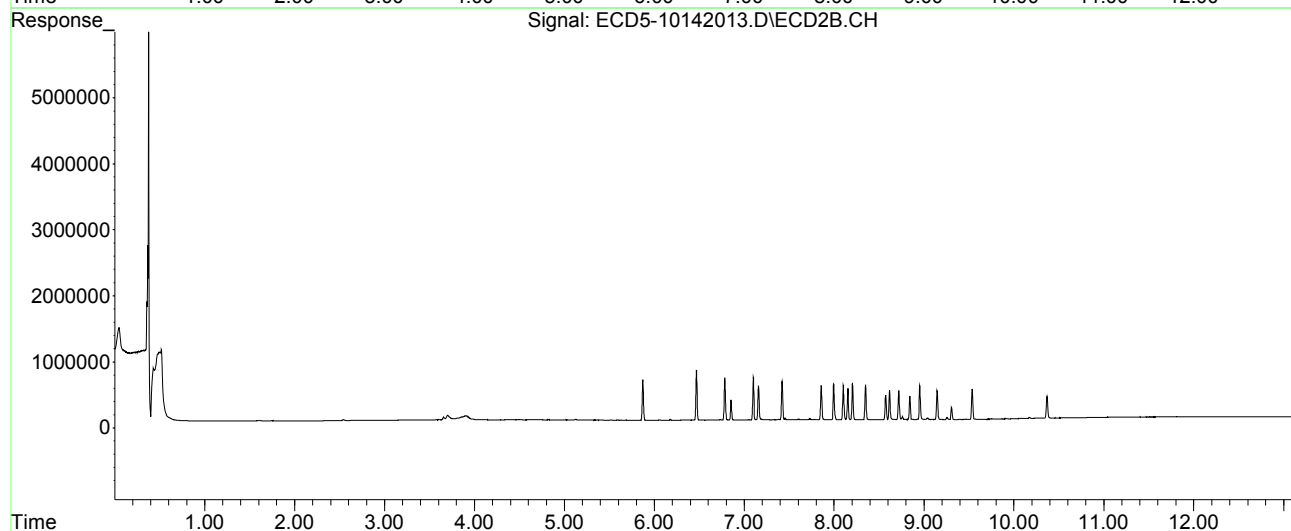
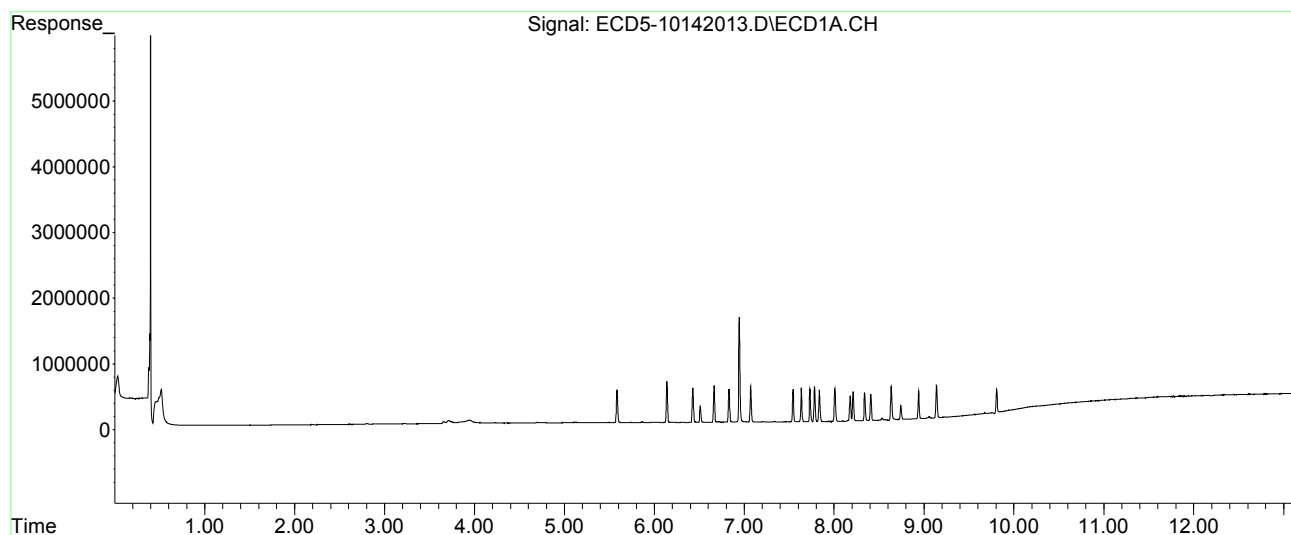
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 16:21
Operator : MJB
Sample : 0J14056-CAL3
Misc : A20H471, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:38
 Operator : MJB
 Sample : 0J14056-CAL4
 Misc : A20H472, AB 5 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:33:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.585	5.872	1205086	1474967	4.966	4.762
22) S DCBP (S)	9.805	10.367	864759	772851	5.100	5.006
Target Compounds						
2) a-BHC	6.139	6.467	1541028	1928602	4.955	4.892
3) g-BHC	6.428	6.784	1286671	1598007	4.876	4.781
4) b-BHC	6.511	6.852	600757	721255	5.139	4.754
5) Heptachlor	6.830	7.158	1261215	1327780	4.981	4.695
6) d-BHC	6.663	7.099	1353451	1629779	4.945	5.067
7) Aldrin	7.072	7.421	1317210	1471589	4.965	4.827
8) Heptachlo...	7.542	7.855	1188991	1285859	4.869	4.714
9) trans-Chl...	7.634	7.994	1239286	1337960	4.877	4.731
10) cis-Chlor...	7.731	8.101	1182697	1240277	4.865	4.623
11) Endosulfa...	7.835	8.149	1136280	1194602	4.970	4.727
12) 4,4'-DDE	7.780	8.203	1281422	1358638	4.932	4.658
13) Dieldrin	8.007	8.348	1224275	1308319	4.852	4.650
14) Endrin	8.177	8.570	910916	918333	4.940	4.701
15) 4,4'-DDD	8.209	8.615	1071622	1078020	4.906	4.616
16) Endosulfa...	8.338	8.717	998320	1038306	4.790	4.522
17) 4,4'-DDT	8.405	8.839	957319	864502	4.798	4.540
18) Endrin Al...	8.633	8.951	998718	1018074	4.846	4.703
19) Endosulfa...	8.937	9.144	988428	1052641	5.108	5.069
20) Methoxychlor	8.740	9.305	514454	439519	5.134	4.546
21) Endrin Ke...	9.138	9.532	1160086	1114109	4.738	4.484
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.864	0.000	26670	0	BelowCal	N.D.
25) Oxychlorane	7.335	0.000	37053	0	0.016	N.D. #
26) 2,4'-DDE	7.393	7.994	3869	1337960	40483.273	5.930 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:38
 Operator : MJB
 Sample : 0J14056-CAL4
 Misc : A20H472, AB 5 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:33:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	0.000	8.101	0	1240277	N.D.	3.596	#
28)	2,4'-DDD	7.780	8.348f	1281422	1308319	10.408	6.232	#
29)	2,4'-DDT	7.926f	8.615	4617	1078020	0.048	7.898	#
30)	cis-Nonac...	8.064	8.615f	3598	1078020	BelowCal	2.808	
31)	Mirex	8.740	9.565	514454	14987	3.595	BelowCal	#
32)	Chlordane...	7.542	8.101	1188991	1240277	49.719	27.610	#
33)	Chlordane...	7.634	8.203	1239286	1358638	46.799	36.105	
34)	Chlordane...	8.209	8.839	1071622	864502	169.644	87.555	#
35)	Chlordane...	3.948	3.905	48500	53085	NoCal	NoCal	
36)	Toxaphene...	7.634	0.000	1239286	0	1303.587	N.D.	#
37)	Toxaphene...	7.926	8.755	4617	42560	2.550	12.184	#
38)	Toxaphene...	8.209f	8.839f	1071622	864502	310.414	161.809	#
39)	Toxaphene...	8.445f	8.839f	8880	864502	2.623	94.433	#
40)	Toxaphene...	8.688f	9.034	13678	27493	5.438	5.438	
41)	Toxaphene...	8.791	9.463f	7884	11605	2.526	2.615	
42)	Toxaphene...	3.948	3.905	48500	53085	NoCal	NoCal	

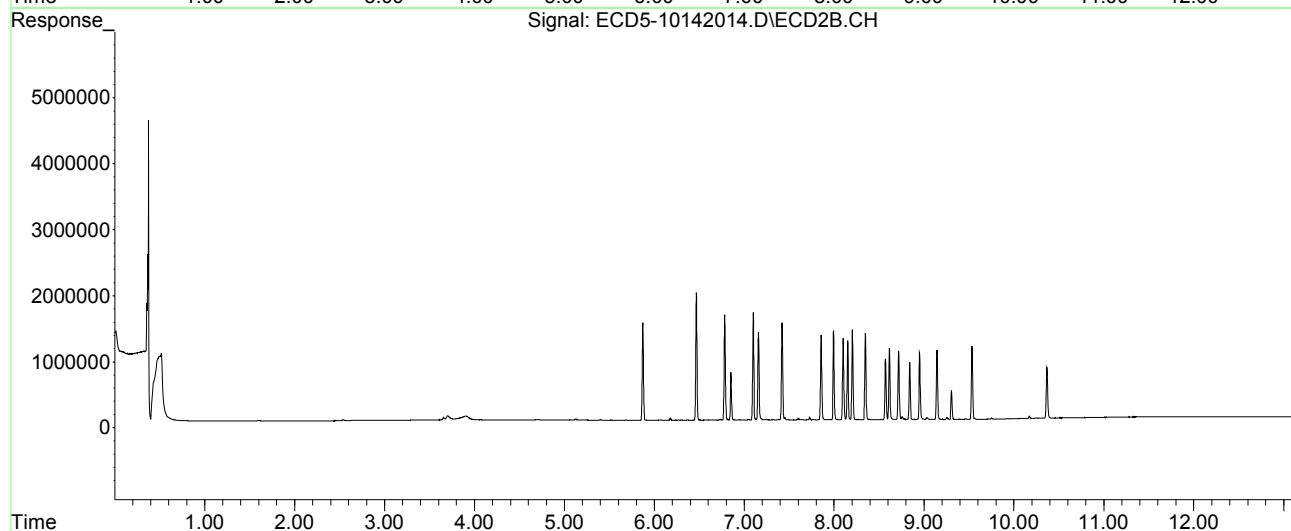
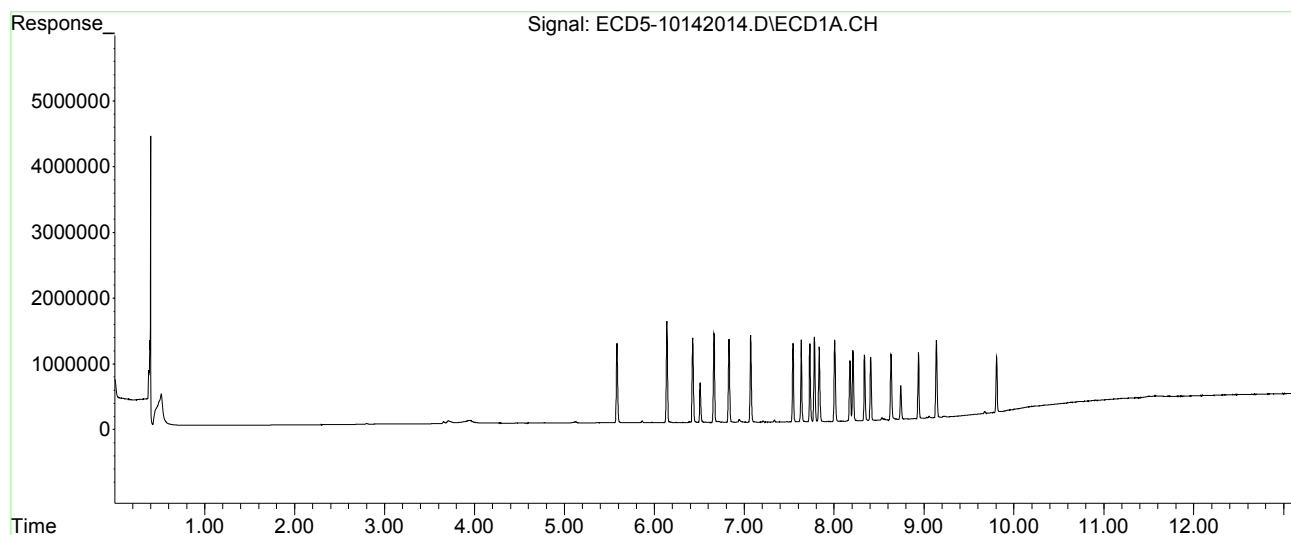
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 16:38
Operator : MJB
Sample : 0J14056-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:33:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:13
 Operator : MJB
 Sample : 0J14056-CAL6
 Misc : A20H474, AB 25 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:34:11 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.587	5.873	5605935	7255995	23.102	23.426
22) S DCBP (S)	9.807	10.368	3915613	3789238	24.101	24.955
Target Compounds						
2) a-BHC	6.139	6.469	7321853	9397096	23.541	23.834
3) g-BHC	6.428	6.785	6218049	8095839	23.563	24.224
4) b-BHC	6.510	6.853	2725704	3439511	24.061	22.669
5) Heptachlor	6.830	7.160	5863869	6609002	23.160	23.368
6) d-BHC	6.663	7.100	6544991	8097153	23.913	25.328
7) Aldrin	7.073	7.422	6225758	7351725	23.465	24.113
8) Heptachlo...	7.542	7.856	5734577	6565406	23.484	24.069
9) trans-Chl...	7.634	7.996	5843575	6700617	22.998	23.694
10) cis-Chlor...	7.731	8.102	5682477	6333107	23.373	23.604
11) Endosulfa...	7.835	8.151	5340395	6024680	23.361	23.841
12) 4,4'-DDE	7.781	8.204	6231267	6948937	23.981	23.825
13) Dieldrin	8.008	8.349	5999680	6716667	23.778	23.875
14) Endrin	8.178	8.571	4189458	4516170	22.719	23.119
15) 4,4'-DDD	8.210	8.616	5100984	5395697	23.352	23.104
16) Endosulfa...	8.339	8.718	4795425	5241221	23.010	22.828
17) 4,4'-DDT	8.407	8.840	4593721	4376201	23.025	22.981
18) Endrin Al...	8.634	8.953	4543966	4863133	23.414	23.471
19) Endosulfa...	8.938	9.145	4608552	5172587	24.565	25.233
20) Methoxychlor	8.741	9.306	2377939	2132144	24.325	22.053
21) Endrin Ke...	9.139	9.534	5699447	5694932	23.280	22.919
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.865	0.000	113950	0	0.338	N.D. #
25) Oxychlorane	7.335	7.776f	165682	10479	0.796	0.034 #
26) 2,4'-DDE	7.394	7.996	18691	6700617	40483.167	29.889 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:13
 Operator : MJB
 Sample : 0J14056-CAL6
 Misc : A20H474, AB 25 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:34:11 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	0.000	8.102f	0	6333107	N.D.	19.056	#
28)	2,4'-DDD	7.781	8.349f	6231267	6716667	50.908	31.993	#
29)	2,4'-DDT	0.000	8.616	0	5395697	N.D.	37.244	#
30)	cis-Nonac...	8.092f	8.616f	21742	5395697	BelowCal	14.054	
31)	Mirex	8.741	9.567	2377939	61517	17.561	0.069	#
32)	Chlordane...	7.542	8.102	5734577	6333107	239.796	140.980	#
33)	Chlordane...	7.634	8.204	5843575	6948937	220.669	184.662	
34)	Chlordane...	8.210	8.840	5100984	4376201	807.516	443.212	#
35)	Chlordane...	3.954	3.912	44059	42847	NoCal	NoCal	
36)	Toxaphene...	7.634	8.456f	5843575	11518	6146.771	3.833	#
37)	Toxaphene...	7.925	8.757	26655	49708	14.723	14.231	
38)	Toxaphene...	8.210f	8.794	5100984	20479	1477.588	3.833	#
39)	Toxaphene...	8.494	8.840f	12641	4376201	3.734	478.031	#
40)	Toxaphene...	8.741f	9.032	2377939	122501	945.410	24.232	#
41)	Toxaphene...	8.741f	9.396f	2377939	23988	761.760	5.385	#
42)	Toxaphene...	3.954f	3.912	44059	42847	NoCal	NoCal	

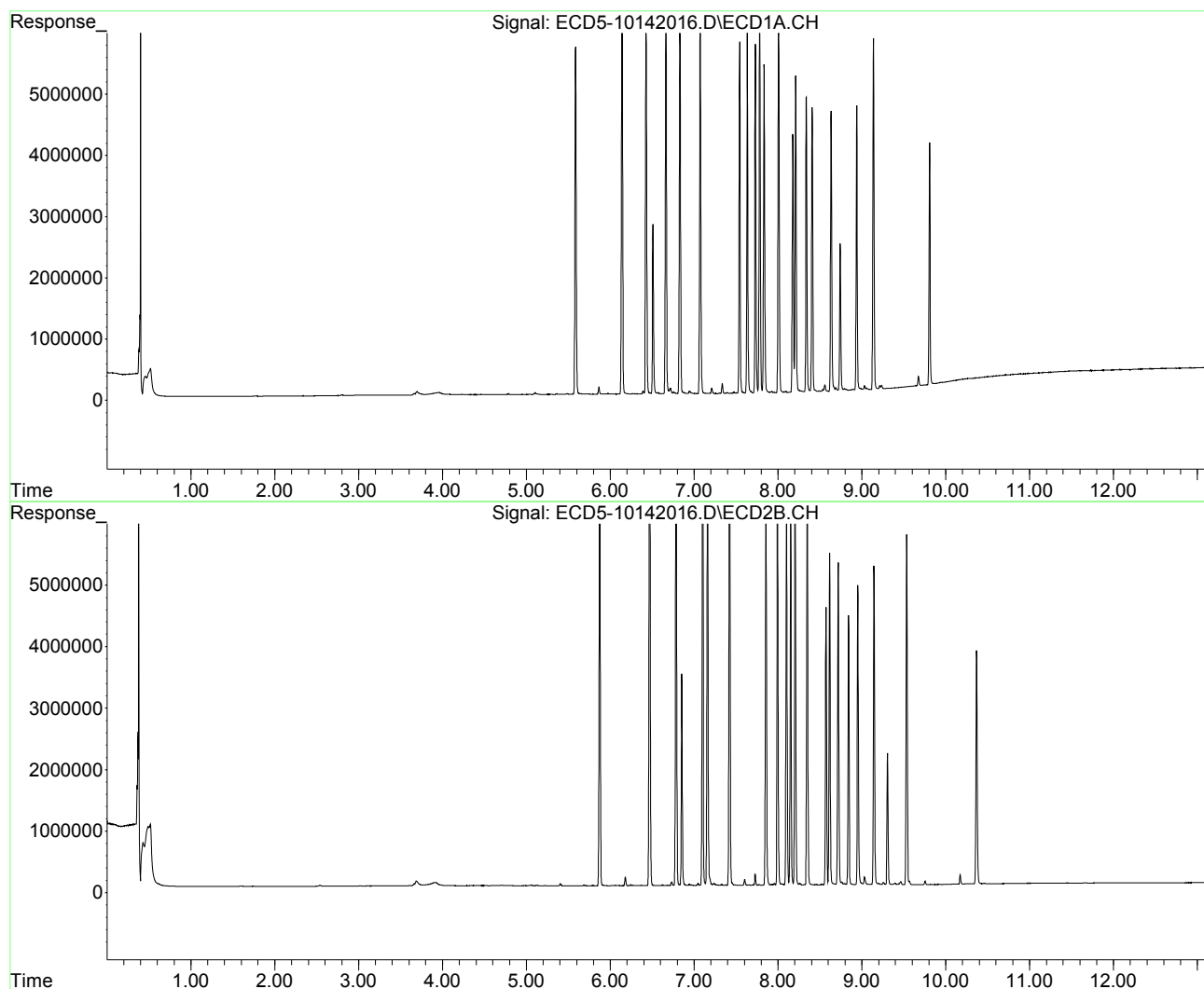
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 17:13
Operator : MJB
Sample : 0J14056-CAL6
Misc : A20H474, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:34:11 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:30
 Operator : MJB
 Sample : 0J14056-CAL7
 Misc : A20H475, AB 50 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:34:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.585	5.872	11352526	15067103	46.784	48.644
22) S DCBP (S)	9.805	10.367	7973046	7534139	49.232	48.972
Target Compounds						
2) a-BHC	6.138	6.468	15039504	20314768	48.354	51.525
3) g-BHC	6.426	6.784	12567647	16652911	47.624	49.828
4) b-BHC	6.507	6.851	5498441	6903913	48.943	45.502
5) Heptachlor	6.828	7.158	12046871	14088204	47.581	49.813
6) d-BHC	6.660	7.099	12952285	16583164	47.323	50.580
7) Aldrin	7.071	7.420	12856429	15507578	48.456	50.864
8) Heptachlo...	7.540	7.854	11394384	13363611	46.661	48.992
9) trans-Chl...	7.632	7.994	11923480	14009308	46.925	49.538
10) cis-Chlor...	7.729	8.100	11537076	13060134	47.453	48.677
11) Endosulfa...	7.833	8.149	10730108	12399275	46.937	49.066
12) 4,4'-DDE	7.779	8.203	12484045	14657782	48.045	50.255
13) Dieldrin	8.006	8.347	12208714	13747070	48.385	48.864
14) Endrin	8.175	8.570	8619344	9319162	46.741	47.707
15) 4,4'-DDD	8.208	8.614	10197219	11431408	46.682	48.949
16) Endosulfa...	8.337	8.716	9684792	11074835	46.471	48.236
17) 4,4'-DDT	8.405	8.839	9547128	9551259	47.853	50.156
18) Endrin Al...	8.632	8.950	9134784	10129852	47.631	48.603
19) Endosulfa...	8.936	9.144	9319195	10305111	49.629	49.297
20) Methoxychlor	8.739	9.305	4827454	4372733	49.301	45.227
21) Endrin Ke...	9.137	9.532	11519728	11997009	47.053	48.282
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.863	0.000	211577	0	0.831	N.D. #
25) Oxychlorane	7.333	7.821	325951	12985	1.768	0.042 #
26) 2,4'-DDE	7.391	7.994	37828	14009308	0.104	60.887 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:30
 Operator : MJB
 Sample : 0J14056-CAL7
 Misc : A20H475, AB 50 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:34:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.632f	8.100	11923480	13060134	59.698	38.886	#
28)	2,4'-DDD	7.779	8.347f	12484045	13747070	101.129	65.480	#
29)	2,4'-DDT	7.951	8.614	20242	11431408	0.209	73.237	#
30)	cis-Nonac...	8.089f	8.614f	42813	11431408	0.021	29.775	#
31)	Mirex	8.739	9.565	4827454	103454	35.855	0.284	#
32)	Chlordane...	7.540	8.100	11394384	13060134	476.466	290.729	#
33)	Chlordane...	7.632	8.203	11923480	14657782	450.263	389.518	
34)	Chlordane...	8.208	8.839	10197219	9551259	1614.280	967.330	#
35)	Chlordane...	3.954	3.915	40219	40987	NoCal	NoCal	
36)	Toxaphene...	7.632	8.455f	11923480	22957	12542.135	7.639	#
37)	Toxaphene...	7.923	8.755	51224	61386	28.295	17.573	#
38)	Toxaphene...	8.208f	8.792	10197219	40660	2953.800	7.610	#
39)	Toxaphene...	8.491	8.839f	22010	9551259	6.501	1043.325	#
40)	Toxaphene...	8.689f	9.029	101852	272623	40.494	53.927	#
41)	Toxaphene...	8.790	9.395f	53591	49944	17.168	11.184	#
42)	Toxaphene...	3.954f	3.915	40219	40987	NoCal	NoCal	

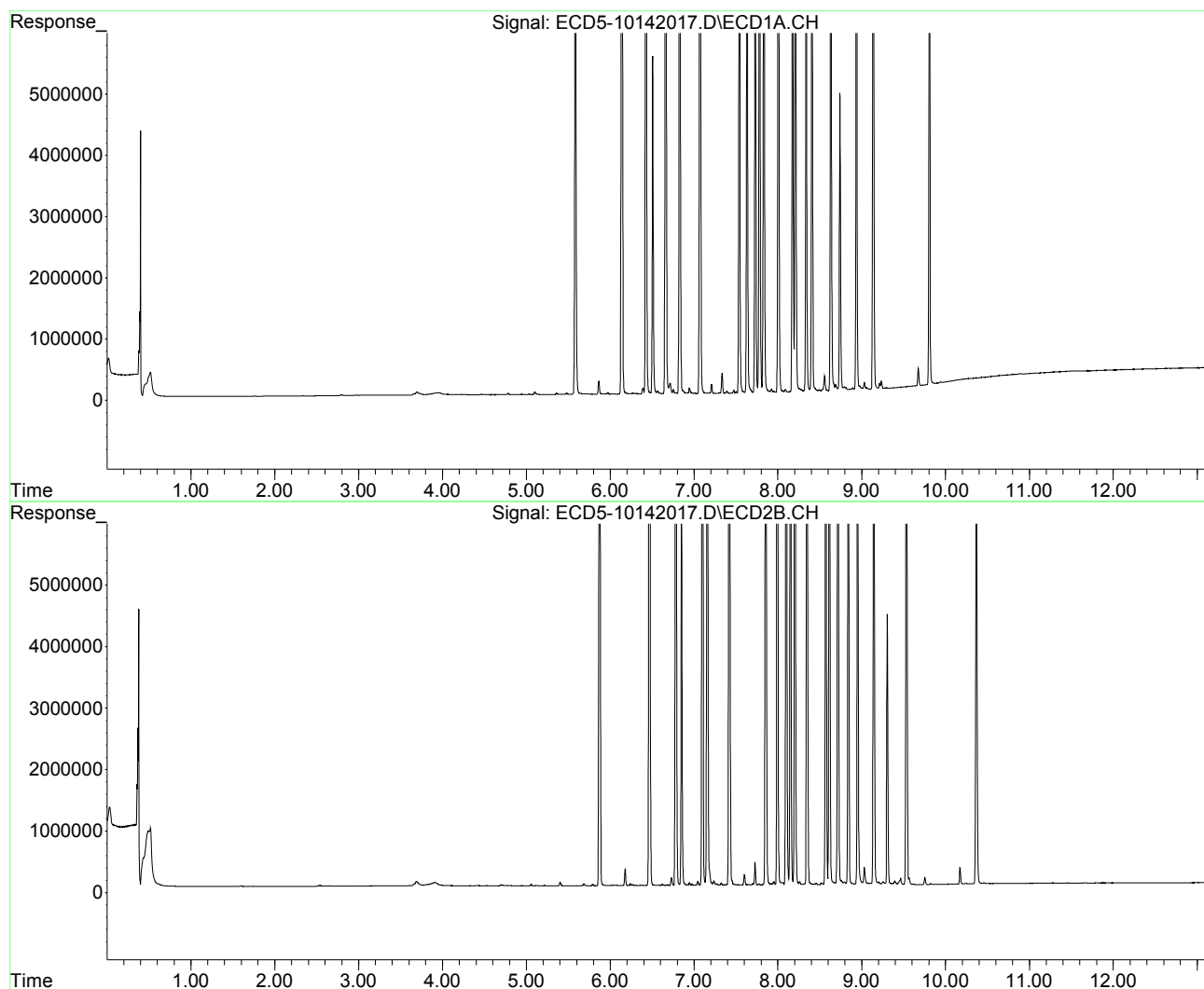
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 17:30
Operator : MJB
Sample : 0J14056-CAL7
Misc : A20H475, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:34:23 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:47
 Operator : MJB
 Sample : 0J14056-CAL8
 Misc : A20H476, AB 100 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:34:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.585	5.872	23049738	30964306	94.989	99.969
22) S DCBP (S)	9.805	10.367	16312536	15718841	100.402	98.927
Target Compounds						
2) a-BHC	6.138	6.468	31182562	42148302	100.256	106.901
3) g-BHC	6.426	6.784	26279346	35245762	99.583	105.460
4) b-BHC	6.507	6.851	10859255	14295163	97.692	94.215
5) Heptachlor	6.828	7.158	25279902	30166394	99.847	106.662
6) d-BHC	6.660	7.099	26292698	35964570	96.065	103.678
7) Aldrin	7.070	7.421	25783435	32086436	97.177	105.242
8) Heptachlo...	7.539	7.855	23352737	28257457	95.631	103.595
9) trans-Chl...	7.631	7.994	24702924	29106292	97.220	102.922
10) cis-Chlor...	7.729	8.100	23434759	28026744	96.390	104.460
11) Endosulfa...	7.832	8.149	21908259	25467351	95.834	100.778
12) 4,4'-DDE	7.779	8.203	25327711	31308633	97.473	107.343
13) Dieldrin	8.006	8.348	25057861	29699008	99.309	105.566
14) Endrin	8.175	8.570	17806784	20212366	96.563	103.472
15) 4,4'-DDD	8.208	8.615	21275467	24060950	97.397	103.028
16) Endosulfa...	8.336	8.716	19552387	23333560	93.818	101.628
17) 4,4'-DDT	8.405	8.839	19569737	20809420	98.089	109.276
18) Endrin Al...	8.631	8.950	18518754	21368641	97.758	100.214
19) Endosulfa...	8.936	9.144	18976648	22252624	100.148	101.529
20) Methoxychlor	8.738	9.305	9873445	9914061	99.893	102.542
21) Endrin Ke...	9.137	9.532	23559183	26017499	96.229	104.708
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.863	6.367f	412161	4513	1.844	0.014 #
25) Oxychlorane	7.332	7.821	637885	19377	3.658	0.063 #
26) 2,4'-DDE	7.390	7.994	57454	29106292	0.245	119.999 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:47
 Operator : MJB
 Sample : 0J14056-CAL8
 Misc : A20H476, AB 100 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:34:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.631f	8.100	24702924	28026744	122.394	80.878	#
28)	2,4'-DDD	7.779	8.425f	25327711	17940	201.241	0.085	#
29)	2,4'-DDT	7.950	8.615	36077	24060950	0.373	136.703	#
30)	cis-Nonac...	8.088f	8.615f	77168	24060950	0.179	62.670	#
31)	Mirex	8.738	9.565	9873445	164654	73.310	0.599	#
32)	Chlordane...	7.539	8.100	23352737	28026744	976.514	623.898	#
33)	Chlordane...	7.631	8.203	24702924	31308633	932.850	831.999	
34)	Chlordane...	8.208	8.839	21275467	20809420	3368.032	2107.530	#
35)	Chlordane...	3.954	3.910	37336	39761	NoCal	NoCal	
36)	Toxaphene...	7.631	8.425	24702924	17940	25984.647	5.970	#
37)	Toxaphene...	7.922	8.792f	80302	65302	44.357	18.695	#
38)	Toxaphene...	8.208f	8.792	21275467	65302	6162.806	12.223	#
39)	Toxaphene...	8.491	8.839f	38291	20809420	11.310	2273.102	#
40)	Toxaphene...	8.688f	9.029	175803	438474	69.895	86.734	
41)	Toxaphene...	8.790	9.393f	98976	86819	31.707	19.406	#
42)	Toxaphene...	3.954f	3.910	37336	39761	NoCal	NoCal	

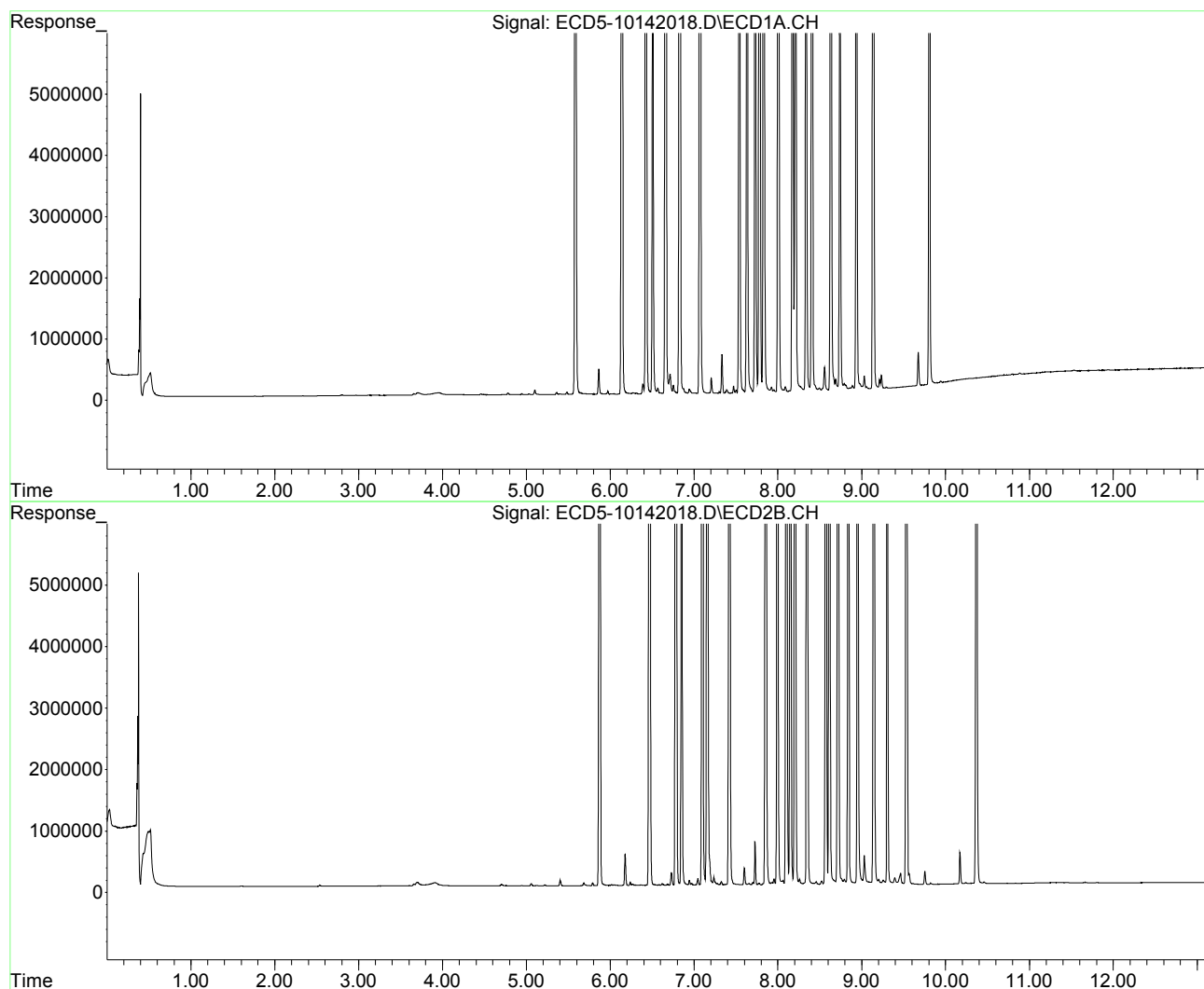
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 17:47
Operator : MJB
Sample : 0J14056-CAL8
Misc : A20H476, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:34:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:04
 Operator : MJB
 Sample : 0J14056-CAL9
 Misc : A20H470, AB 200 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:34:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.873	46983236	64550678	193.620	208.403
22) S DCBP (S)	9.805	10.368	33023937	34258099	201.065	201.800
Target Compounds						
2) a-BHC	6.139	6.469	63718589	86110024	204.863	218.402
3) g-BHC	6.426	6.785	54964289	73913210	208.283	221.158
4) b-BHC	6.505	6.850	22251881	30691462	204.279	202.278
5) Heptachlor	6.827	7.157	50235930	63217018	198.415	223.522
6) d-BHC	6.659	7.099	54381561	74743385	198.693	196.257
7) Aldrin	7.070	7.421	52351251	65943380	197.310	216.291
8) Heptachlo...	7.538	7.855	46706447	60156577	191.267	220.540
9) trans-Chl...	7.631	7.993	50229041	61219867	197.679	216.478
10) cis-Chlor...	7.728	8.101	47154077	59075588	193.950	220.184
11) Endosulfa...	7.831	8.149	44397747	56239640	194.210	222.549
12) 4,4'-DDE	7.779	8.203	52637083	64882960	202.573	222.454
13) Dieldrin	8.005	8.348	50341347	62423525	199.512	221.886
14) Endrin	8.174	8.570	36608762	43718232	198.522	223.804
15) 4,4'-DDD	8.208	8.615	43709616	51993903	200.099	222.635
16) Endosulfa...	8.335	8.717	40368044	49487811	193.698	215.542
17) 4,4'-DDT	8.405	8.840	40534278	45086910	203.170	236.764
18) Endrin Al...	8.631	8.951	38298293	45279339	206.350	202.315
19) Endosulfa...	8.936	9.145	38804835	47515553	200.500	199.040
20) Methoxychlor	8.737	9.305	20319864	21317927	201.233	220.492
21) Endrin Ke...	9.137	9.533	48902572	56521958	199.745	227.475
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.863	6.362f	792555	11687	3.765	0.035 #
25) Oxychlorane	7.331	7.821	1242170	46146	7.316	0.150 #
26) 2,4'-DDE	7.389	7.993	119930	61219867	0.692	229.910 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:04
 Operator : MJB
 Sample : 0J14056-CAL9
 Misc : A20H470, AB 200 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:34:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.631f	8.101	50229041	59075588	243.178	160.447	#
28)	2,4'-DDD	7.779	8.425f	52637083	50911	402.223	0.242	#
29)	2,4'-DDT	7.949	8.615	71655	51993903	0.741	246.835	#
30)	cis-Nonac...	8.061	8.615f	65439	51993903	0.125	135.425	#
31)	Mirex	8.737	9.565	20319864	355026	149.897	1.576	#
32)	Chlordane...	7.538	8.101	46706447	59075588	1953.069	1315.070	#
33)	Chlordane...	7.631	8.203	50229041	64882960	1896.786	1724.207	
34)	Chlordane...	8.208	8.840	43709616	45086910	6919.491	4566.299	#
35)	Chlordane...	3.950	3.909	33716	38135	NoCal	NoCal	
36)	Toxaphene...	7.631	8.425	50229041	50911	52835.199	16.941	#
37)	Toxaphene...	7.921	8.791f	186546	158576	103.044	45.397	#
38)	Toxaphene...	8.208f	8.791	43709616	158576	12661.244	29.681	#
39)	Toxaphene...	8.491	8.840f	86569	45086910	25.569	4925.037	#
40)	Toxaphene...	8.737f	9.029	20319864	876745	8078.681	173.428	#
41)	Toxaphene...	8.788	9.394f	213314	215221	68.334	47.876	#
42)	Toxaphene...	3.950f	3.909	33716	38135	NoCal	NoCal	

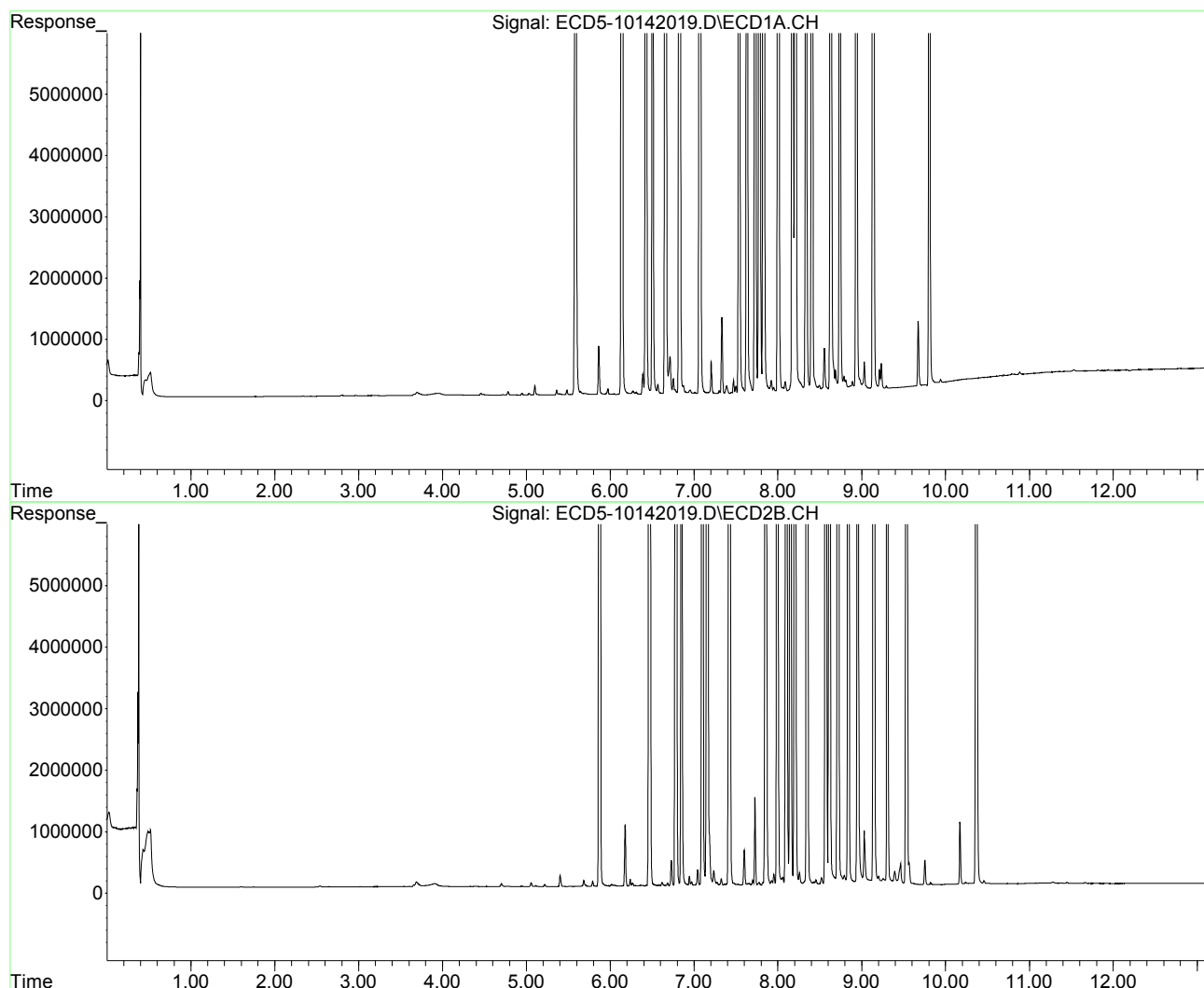
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:04
Operator : MJB
Sample : 0J14056-CAL9
Misc : A20H470, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:34:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:56
 Operator : MJB
 Sample : 0J14056-CALA
 Misc : A20J231, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:42:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	10.366	0	5057	N.D.	BelowCal
Target Compounds						
2) a-BHC	6.140	0.000	5389	0	0.017	N.D. #
3) g-BHC	6.430	0.000	5545	0	0.021	N.D. #
4) b-BHC	6.515	0.000	3927	0	5685.401	N.D. #
5) Heptachlor	6.831	0.000	4072	0	0.016	N.D. #
6) d-BHC	6.665	7.100	12629	15938	0.046	BelowCal #
7) Aldrin	7.073	7.421	3246	13794	0.012	0.045 #
8) Heptachlo...	7.531	0.000	109817	0	0.450	N.D. #
9) trans-Chl...	7.622	7.981	44730	111017	0.176	0.393 #
10) cis-Chlor...	7.719	8.061f	151770	162972	0.624	0.607
11) Endosulfa...	7.837	0.000	4022	0	0.018	N.D. #
12) 4,4'-DDE	7.788	8.203	8153	6399	0.031	0.022 #
13) Dieldrin	8.009	8.351	4644	108812	0.018	0.387 #
14) Endrin	8.196f	8.572	165341	100181	0.897	0.513 #
15) 4,4'-DDD	8.196	8.617	165341	188367	0.757	0.807
16) Endosulfa...	8.340	8.717	11739	13901	0.056	0.061
17) 4,4'-DDT	8.406	8.839	10927	10836	0.055	0.057
18) Endrin Al...	8.635	8.951	26929	29315	6021.087	BelowCal #
19) Endosulfa...	8.939	9.144	28035	33374	BelowCal	BelowCal
20) Methoxychlor	8.743	9.306	7788	8003	BelowCal	0.083
21) Endrin Ke...	9.140	9.522	23675	124073	0.097	0.499 #
23) Hexachlor...	3.381	3.586	150001	206112	0.481	0.574
24) Hexachlor...	5.972	6.334	159234	201011	0.480	0.483
25) Oxychlorane	7.465	7.787	140283	141434	0.484	0.589
26) 2,4'-DDE	7.531	7.981	109817	111017	0.485	0.572

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:56
 Operator : MJB
 Sample : 0J14056-CALA
 Misc : A20J231, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:42:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27) trans-Non...	7.719	8.061	151770	162972	0.477	0.585
28) 2,4'-DDD	7.909	8.351	97926	108812	0.474	0.476
29) 2,4'-DDT	8.090	8.572	97546	100181	0.472	0.475
30) cis-Nonac...	8.196	8.617	165341	188367	0.470	0.491
31) Mirex	8.869	9.522	117218	124073	0.458	0.472
32) Chlordane...	7.531f	8.061f	109817	162972	4.592	3.628
33) Chlordane...	7.622f	8.203	44730	6399	1.689	0.170 #
34) Chlordane...	8.196	8.839	165341	10836	26.174	1.097 #
35) Chlordane...	3.958f	3.917	34473	32465	NoCal	NoCal
36) Toxaphene...	7.622	0.000	44730	0	47.051	N.D. #
37) Toxaphene...	7.909	8.757	97926	36340	54.092	10.403 #
38) Toxaphene...	0.000	8.839f	0	10836	N.D.	2.028 #
39) Toxaphene...	0.000	8.839f	0	10836	N.D.	1.184 #
40) Toxaphene...	8.743f	9.040	7788	10712	3.096	2.119 #
41) Toxaphene...	8.743f	0.000	7788	0	2.495	N.D. #
42) Toxaphene...	3.958f	3.917	34473	32465	NoCal	NoCal

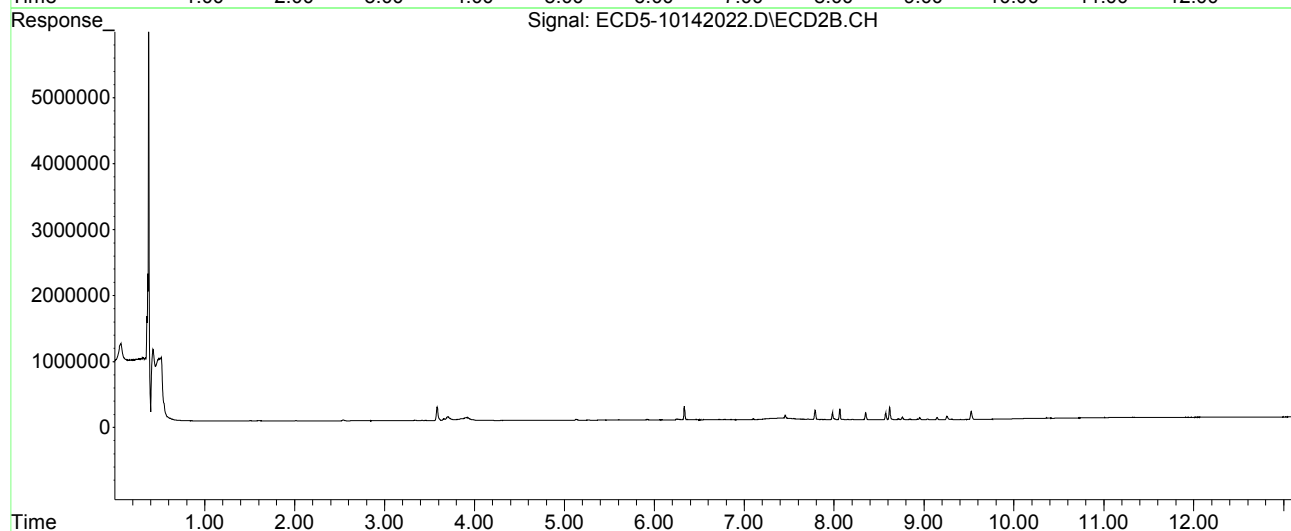
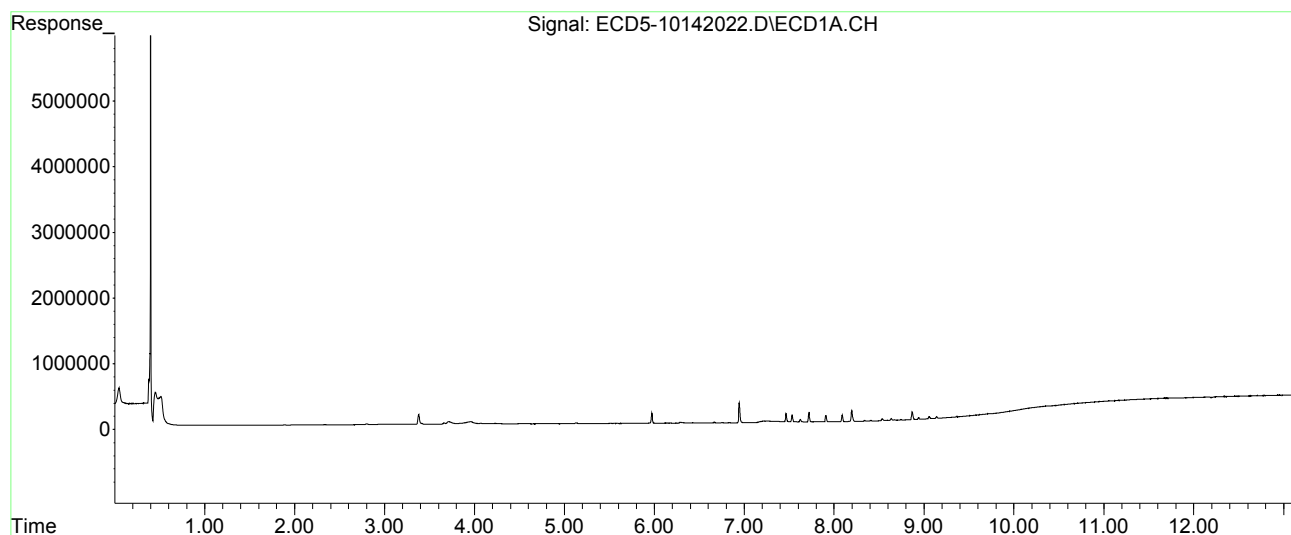
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:42:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:13
 Operator : MJB
 Sample : 0J14056-CALB
 Misc : A20I180, 9-42 1 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	

System Monitoring Compounds							
1) S TCMX (S)	5.556f	0.000	2464	0	0.010	N.D.	#
22) S DCBP (S)	9.781f	0.000	18327	0	BelowCal	N.D.	
Target Compounds							
2) a-BHC	6.140	6.467	8405	7704	0.027	0.020	#
3) g-BHC	6.430	6.785	7136	9180	0.027	0.027	
4) b-BHC	6.516	0.000	5672	0	5685.385	N.D.	#
5) Heptachlor	6.831	7.157	7234	7074	0.029	0.025	
6) d-BHC	6.665	7.099	16841	21537	0.062	BelowCal	#
7) Aldrin	7.072	7.419	6502	6294	0.025	0.021	
8) Heptachlo...	7.530	7.855	197885	7551	0.810	0.028	#
9) trans-Chl...	7.623	7.980	28073	219431	0.110	0.776	#
10) cis-Chlor...	7.718	8.099	287672	10465	1.183	0.039	#
11) Endosulfa...	7.836	8.151	6918	7133	0.030	0.028	
12) 4,4'-DDE	7.781	8.202	6532	7977	0.025	0.027	
13) Dieldrin	8.009	8.350	7487	202997	0.030	0.722	#
14) Endrin	8.195f	8.571	321171	188319	1.742	0.964	#
15) 4,4'-DDD	8.195	8.617	321171	335608	1.470	1.437	
16) Endosulfa...	8.340	8.716	12755	14809	0.061	0.064	
17) 4,4'-DDT	8.406	0.000	5916	0	0.030	N.D.	#
18) Endrin Al...	8.634	8.951	24771	24433	6021.098	BelowCal	#
19) Endosulfa...	8.938	9.144	19426	21415	BelowCal	BelowCal	
20) Methoxychlor	8.743	0.000	3630	0	BelowCal	N.D.	
21) Endrin Ke...	9.139	9.521	16431	218149	0.067	0.878	#
23) Hexachlor...	3.382	3.585	277482	399831	1.042	1.114	
24) Hexachlor...	5.972	6.333	293882	376662	1.065	1.064	
25) Oxychlorane	7.465	7.786	248898	264881	1.058	1.104	
26) 2,4'-DDE	7.530	7.980	197885	219431	1.054	1.131	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:13
 Operator : MJB
 Sample : 0J14056-CALB
 Misc : A20I180, 9-42 1 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.718	8.060	287672	309445	1.091	1.110
28)	2,4'-DDD	7.908	8.350	185364	202997	1.107	1.116
29)	2,4'-DDT	8.089	8.571	185344	188319	1.112	1.116
30)	cis-Nonac...	8.195	8.617	321171	335608	1.120	1.057
31)	Mirex	8.868	9.521	219913	218149	1.165	1.107
32)	Chlordane...	7.530f	8.099	197885	10465	8.275	0.233 #
33)	Chlordane...	7.623f	8.202	28073	7977	1.060	0.212 #
34)	Chlordane...	8.195	0.000	321171	0	50.843	N.D. #
35)	Chlordane...	3.961f	3.921	33251	39467	NoCal	NoCal
36)	Toxaphene...	7.623	0.000	28073	0	29.529	N.D. #
37)	Toxaphene...	7.908	8.756	185364	37755	102.392	10.809 #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	8.743f	9.039	3630	7182	1.443	1.421
41)	Toxaphene...	8.743f	0.000	3630	0	1.163	N.D. #
42)	Toxaphene...	3.961f	3.921	33251	39467	NoCal	NoCal

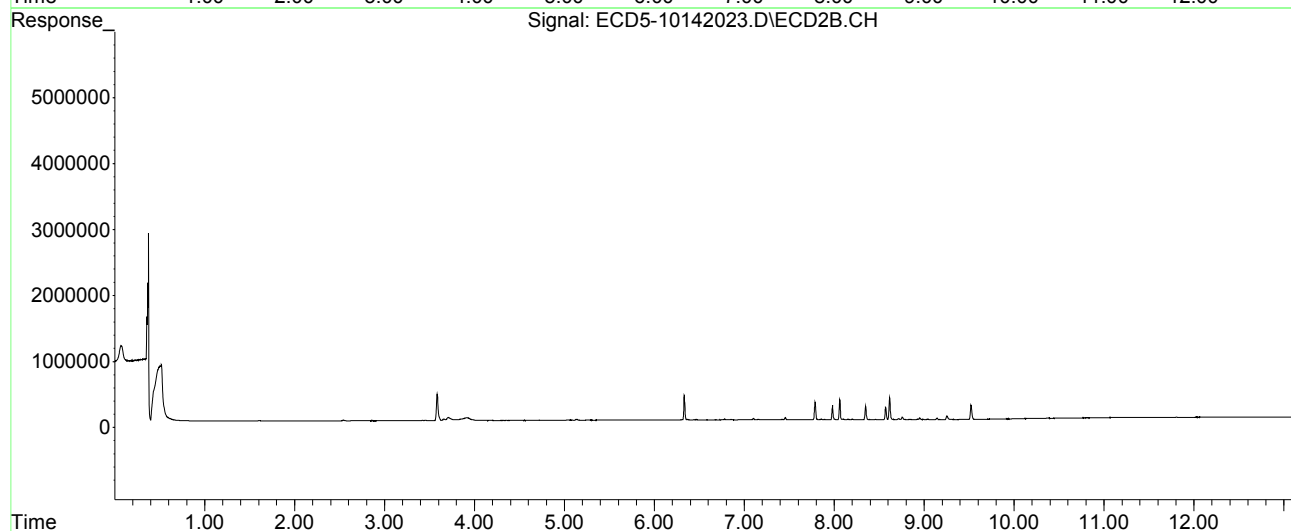
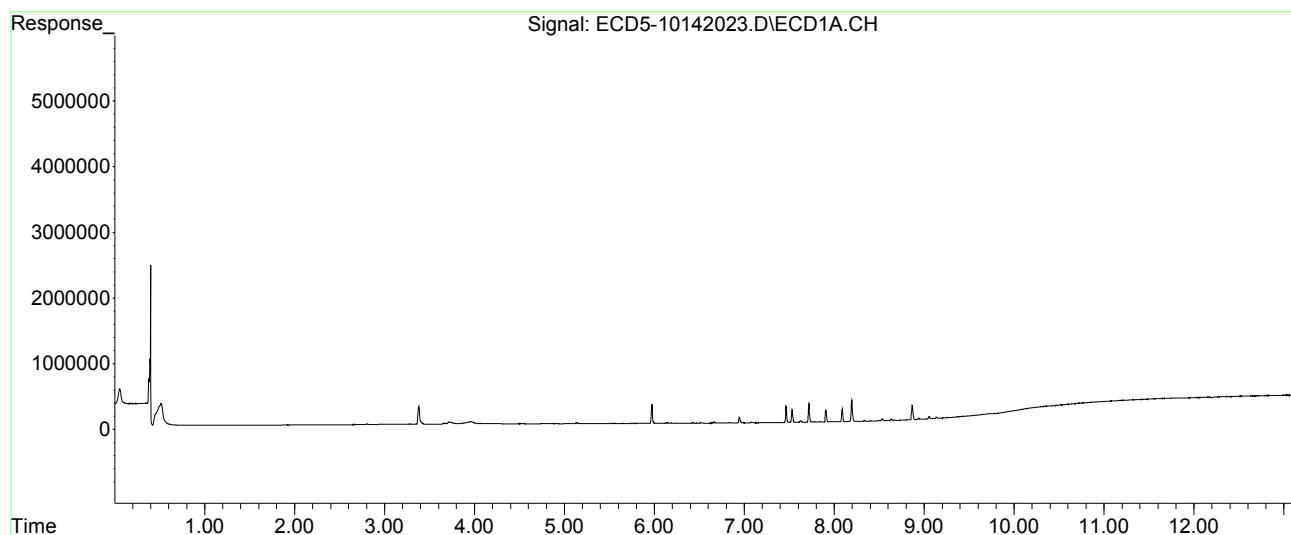
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 19:13
Operator : MJB
Sample : 0J14056-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:43:01 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:30
 Operator : MJB
 Sample : 0J14056-CALC
 Misc : A20I181, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:12 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.558f	0.000	4714	0	0.019	N.D.	#
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
Target Compounds							
2) a-BHC	6.144	0.000	3591	0	0.012	N.D.	#
3) g-BHC	6.432	0.000	2405	0	0.009	N.D.	#
4) b-BHC	6.518	0.000	2907	0	5685.410	N.D.	#
5) Heptachlor	6.833	0.000	3672	0	0.015	N.D.	#
6) d-BHC	6.668	7.101	9411	13330	0.034	BelowCal	#
7) Aldrin	7.074	7.457f	2207	30859	0.008	0.101	#
8) Heptachlo...	7.532	0.000	351140	0	1.438	N.D.	#
9) trans-Chl...	7.625	7.982	25250	378009	0.099	1.337	#
10) cis-Chlor...	7.720	8.100	495556	8651	2.038	0.032	#
11) Endosulfa...	7.838	0.000	4667	0	0.020	N.D.	#
12) 4,4'-DDE	7.783	0.000	6189	0	0.024	N.D.	#
13) Dieldrin	8.010	8.352	5817	328688	0.023	1.168	#
14) Endrin	8.197f	8.573	537042	304634	2.912	1.559	#
15) 4,4'-DDD	8.197	8.618	537042	572924	2.459	2.453	
16) Endosulfa...	8.342	8.719	9338	11496	0.045	0.050	
17) 4,4'-DDT	8.407	0.000	5444	0	0.027	N.D.	#
18) Endrin Al...	8.637	8.952	14303	15768	6021.153	BelowCal	#
19) Endosulfa...	8.940	9.145	15135	18333	BelowCal	BelowCal	
20) Methoxychlor	8.745	0.000	3045	0	BelowCal	N.D.	
21) Endrin Ke...	9.142	9.523	14738	358541	0.060	1.443	#
23) Hexachlor...	3.383	3.587	531546	751508	2.160	2.094	
24) Hexachlor...	5.973	6.335	527783	676521	2.082	2.054	
25) Oxychlorane	7.467	7.787	438019	475085	2.058	1.979	
26) 2,4'-DDE	7.532	7.982	351140	378009	2.045	1.949	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:30
 Operator : MJB
 Sample : 0J14056-CALC
 Misc : A20I181, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:12 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.720	8.062	495556	538531	2.030	1.932
28)	2,4'-DDD	7.910	8.352	310667	328688	2.016	1.969
29)	2,4'-DDT	8.091	8.573	311126	304634	2.029	1.960
30)	cis-Nonac...	8.197	8.618	537042	572924	2.021	1.969
31)	Mirex	8.870	9.523	348236	358541	2.048	2.052
32)	Chlordane...	7.532f	8.100	351140	8651	14.683	0.193 #
33)	Chlordane...	7.625f	0.000	25250	0	0.954	N.D. #
34)	Chlordane...	8.197	0.000	537042	0	85.017	N.D. #
35)	Chlordane...	3.966f	3.924	32453	29761	NoCal	NoCal
36)	Toxaphene...	7.625	0.000	25250	0	26.561	N.D. #
37)	Toxaphene...	7.910	8.759	310667	31100	171.606	8.903 #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	8.745f	0.000	3045	0	1.211	N.D. #
41)	Toxaphene...	8.745f	0.000	3045	0	0.975	N.D. #
42)	Toxaphene...	3.966f	3.924	32453	29761	NoCal	NoCal

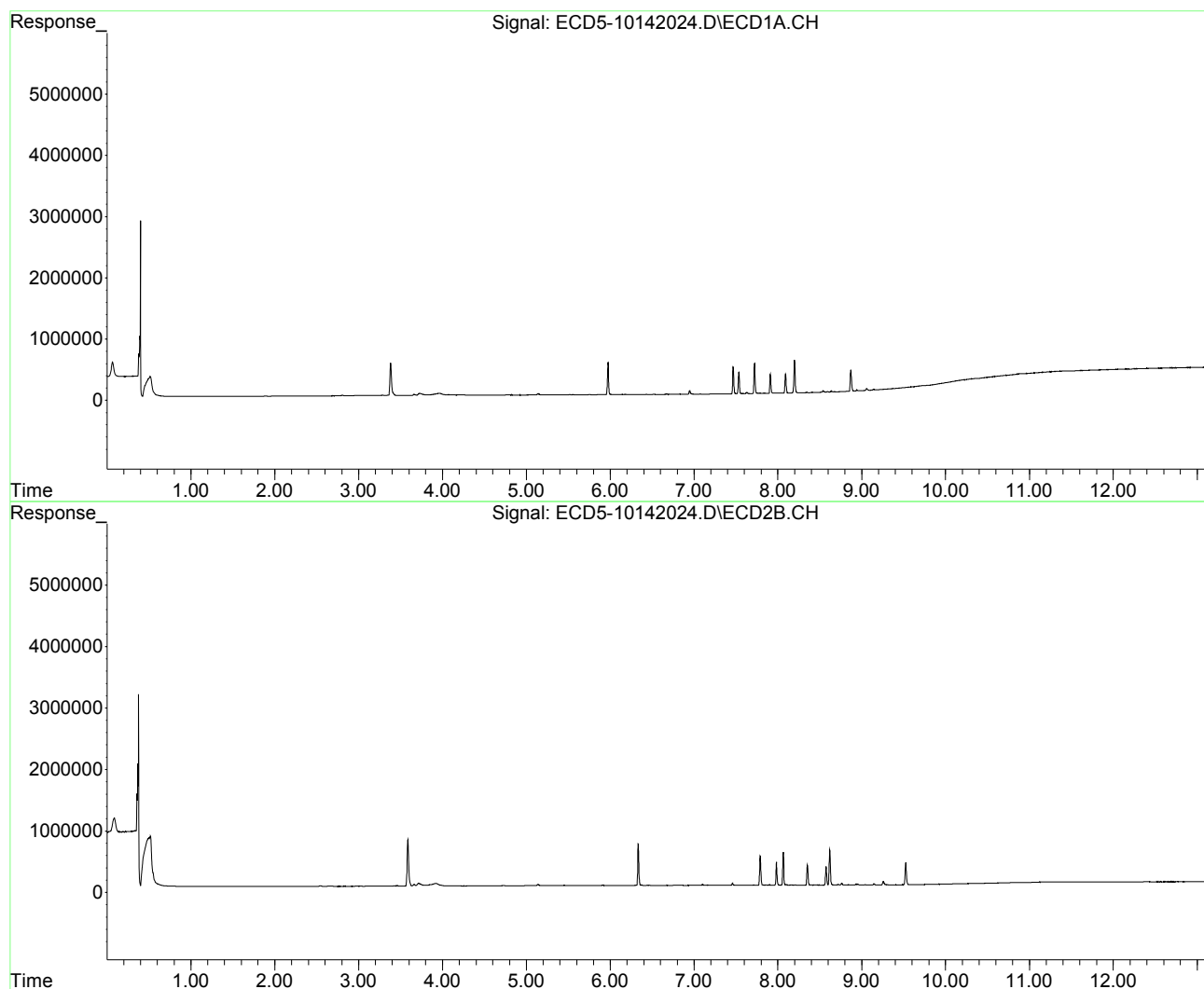
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 19:30
Operator : MJB
Sample : 0J14056-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:43:12 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:47
 Operator : MJB
 Sample : 0J14056-CALD
 Misc : A20I182, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:22 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.557f	5.908f	10186	11727	0.042	0.038
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.119	0.000	2933	0	0.009	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.832	0.000	4177	0	0.016	N.D. #
6) d-BHC	6.666	7.099	7186	11244	0.026	BelowCal #
7) Aldrin	7.073	7.455f	1110	43396	0.004	0.142 #
8) Heptachlo...	7.531	7.893f	785764	16180	3.218	0.059 #
9) trans-Chl...	7.623	7.980	35227	895392	0.139	3.166 #
10) cis-Chlor...	7.719	8.095	1120921	12696	4.610	0.047 #
11) Endosulfa...	7.817	0.000	4959	0	0.022	N.D. #
12) 4,4'-DDE	7.793	0.000	5012	0	0.019	N.D. #
13) Dieldrin	7.989	8.350	7393	737721	0.029	2.622 #
14) Endrin	8.196f	8.571	1217681	693050	6.603	3.548 #
15) 4,4'-DDD	8.196	8.617	1217681	1270505	5.574	5.440
16) Endosulfa...	8.342	0.000	4492	0	0.022	N.D. #
17) 4,4'-DDT	8.405	0.000	1494	0	0.007	N.D. #
18) Endrin Al...	8.636	8.951	10420	10674	6021.173	BelowCal #
19) Endosulfa...	8.940	9.144	8897	9857	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.141	9.521	6698	768030	0.027	3.091 #
23) Hexachlor...	3.381	3.584	1152385	1711788	4.895	4.770
24) Hexachlor...	5.971	6.333	1167435	1512851	4.860	4.810
25) Oxychlorane	7.466	7.786	956472	1072428	4.795	4.468
26) 2,4'-DDE	7.531	7.980	785764	895392	4.856	4.616

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:47
 Operator : MJB
 Sample : 0J14056-CALD
 Misc : A20I182, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:22 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.719	8.060	1120921	1256872	4.853	4.510
28)	2,4'-DDD	7.909	8.350	707479	737721	4.891	4.736
29)	2,4'-DDT	8.090	8.571	683815	693050	4.742	4.763
30)	cis-Nonac...	8.196	8.617	1217681	1270505	4.857	4.636
31)	Mirex	8.869	9.521	751440	768030	4.822	4.801
32)	Chlordane...	7.531f	8.095	785764	12696	32.857	0.283 #
33)	Chlordane...	7.623f	0.000	35227	0	1.330	N.D. #
34)	Chlordane...	8.196	0.000	1217681	0	192.766	N.D. #
35)	Chlordane...	3.961f	3.923	29820	37951	NoCal	NoCal
36)	Toxaphene...	7.623	8.392f	35227	6618	37.055	2.202 #
37)	Toxaphene...	7.909	8.757	707479	27405	390.797	7.845 #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.485	0.000	910	0	0.269	N.D. #
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.961f	3.923	29820	37951	NoCal	NoCal

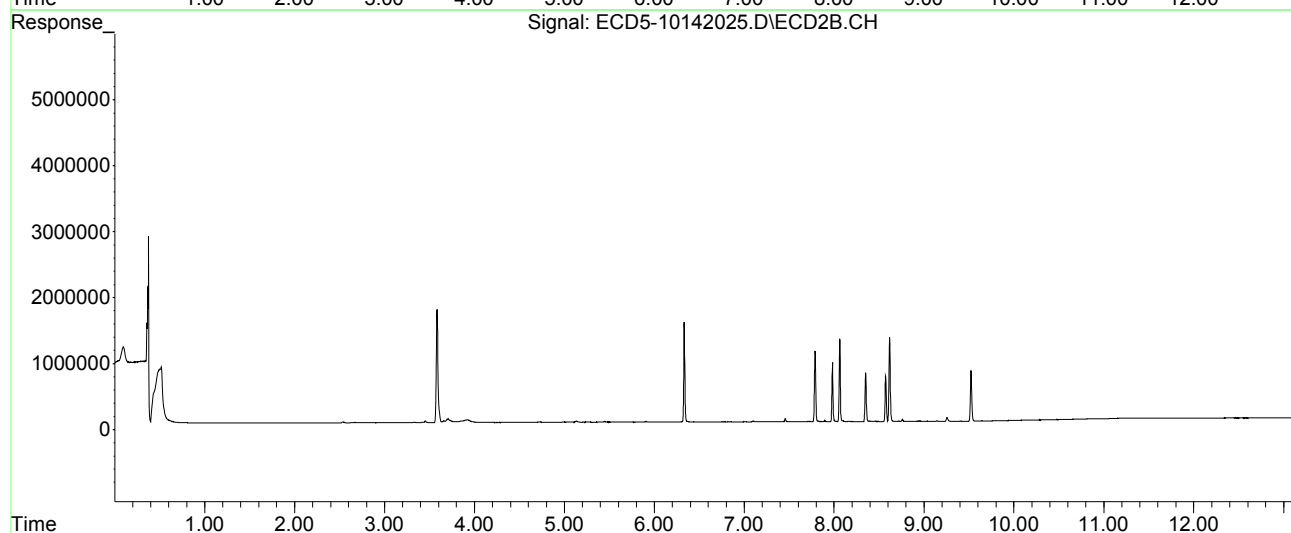
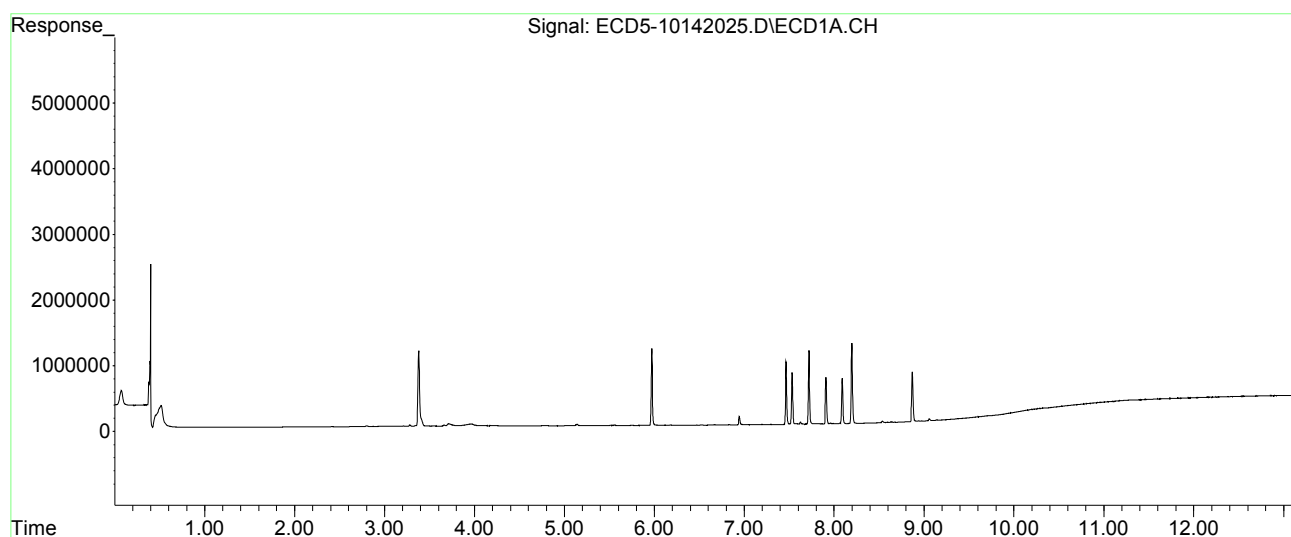
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 19:47
Operator : MJB
Sample : 0J14056-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:43:22 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:04
 Operator : MJB
 Sample : 0J14056-CALE
 Misc : A20I183, 9-42 10 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:31 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.558f	5.908f	20149	23802	0.083	0.077
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.142	0.000	3642	0	0.012	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.518	0.000	2527	0	5685.413	N.D. #
5) Heptachlor	6.831	7.157	7658	8271	0.030	0.029
6) d-BHC	6.666	7.099	10027	14392	0.037	BelowCal #
7) Aldrin	7.073	7.456f	1842	28733	0.007	0.094 #
8) Heptachlo...	7.531	7.894f	1624386	30033	6.652	0.110 #
9) trans-Chl...	7.625	7.981	24740	1793894	0.097	6.343 #
10) cis-Chlor...	7.719	8.096	2286824	26296	9.406	0.098 #
11) Endosulfa...	7.816	8.167	8814	9689	0.039	0.038
12) 4,4'-DDE	7.816f	8.167f	8814	9689	0.034	0.033
13) Dieldrin	7.988	8.351	12923	1499564	0.051	5.330 #
14) Endrin	8.197f	8.572	2447188	1439690	13.271	7.370 #
15) 4,4'-DDD	8.197	8.617	2447188	2688062	11.203	11.510
16) Endosulfa...	8.342	8.717	6791	8917	0.033	0.039
17) 4,4'-DDT	8.407	0.000	2542	0	0.013	N.D. #
18) Endrin Al...	8.635	8.952	13481	11442	6021.157	BelowCal #
19) Endosulfa...	8.939	9.144	11379	11740	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.141	9.521	8730	1539687	0.036	6.197 #
23) Hexachlor...	3.382	3.586	2234208	3285717	9.668	9.155
24) Hexachlor...	5.972	6.334	2358277	3045667	10.030	9.837
25) Oxychlorane	7.465	7.786	1961806	2190386	10.089	9.126
26) 2,4'-DDE	7.531	7.981	1624386	1793894	10.283	9.247

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:04
 Operator : MJB
 Sample : 0J14056-CALE
 Misc : A20I183, 9-42 10 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:31 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.719	8.061	2286824	2561574	10.104	9.191
28)	2,4'-DDD	7.909	8.351	1404864	1499564	9.941	9.848
29)	2,4'-DDT	8.091	8.572	1419577	1439690	10.083	10.088
30)	cis-Nonac...	8.197	8.617	2447188	2688062	9.974	10.003
31)	Mirex	8.869	9.521	1482445	1539687	9.850	9.948
32)	Chlordane...	7.531f	8.096	1624386	26296	67.925	0.585 #
33)	Chlordane...	7.625f	8.167f	24740	9689	0.934	0.257 #
34)	Chlordane...	8.197	0.000	2447188	0	387.404	N.D. #
35)	Chlordane...	3.963f	3.922	30055	26283	NoCal	NoCal
36)	Toxaphene...	7.625	8.392f	24740	14673	26.024	4.882 #
37)	Toxaphene...	7.909	8.757	1404864	29575	776.018	8.467 #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.482	0.000	2387	0	0.705	N.D. #
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.963f	3.922	30055	26283	NoCal	NoCal

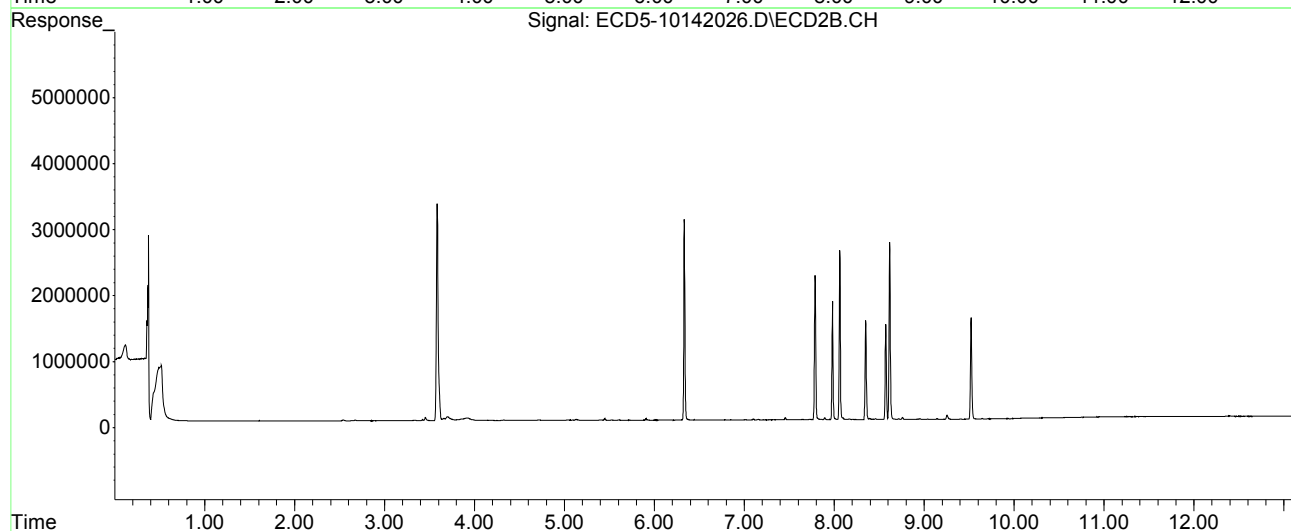
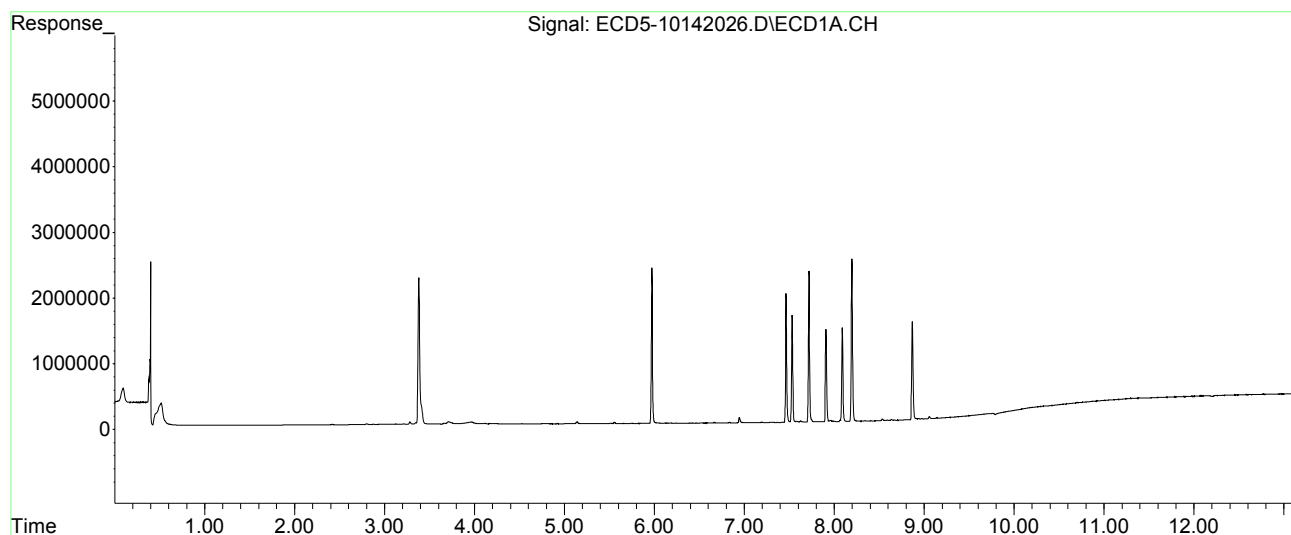
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 20:04
Operator : MJB
Sample : 0J14056-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:43:31 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:22
 Operator : MJB
 Sample : 0J14056-CALF
 Misc : A20I184, 9-42 25 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.558f	5.909f	47671	55949	0.196	0.181
22) S DCBP (S)	9.784f	0.000	19003	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.143	0.000	6131	0	0.020	N.D. #
3) g-BHC	6.396f	0.000	4944	0	0.019	N.D. #
4) b-BHC	6.527f	0.000	3111	0	5685.408	N.D. #
5) Heptachlor	6.831	7.157	15602	16513	0.062	0.058
6) d-BHC	6.666	7.099	8033	9881	0.029	BelowCal #
7) Aldrin	7.109f	7.457f	4204	12772	0.016	0.042 #
8) Heptachlo...	7.531	7.893f	3870731	54223	15.851	0.199 #
9) trans-Chl...	7.628	7.980	15602	4550076	0.061	16.089 #
10) cis-Chlor...	7.718	8.094	5561787	54072	22.876	0.202 #
11) Endosulfa...	7.816	8.167	18582	20203	0.081	0.080
12) 4,4'-DDE	7.816f	8.167f	18582	20203	0.072	0.069
13) Dieldrin	7.986f	8.351	29311	3919505	0.116	13.932 #
14) Endrin	8.196f	8.572	6071870	3783032	32.927	19.366 #
15) 4,4'-DDD	8.196	8.618	6071870	6980137	27.797	29.889
16) Endosulfa...	8.344	0.000	7261	0	0.035	N.D. #
17) 4,4'-DDT	8.407	0.000	4511	0	0.023	N.D. #
18) Endrin Al...	8.634	8.954	15557	11801	6021.146	BelowCal #
19) Endosulfa...	8.938	9.144	12744	9128	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.141	9.521	6928	3817069	0.028	15.362 #
23) Hexachlor...	3.384	3.587	5991942	9024692	26.322	25.145
24) Hexachlor...	5.973	6.334	5814466	7847210	25.013	25.400
25) Oxychlorane	7.465	7.786	4875285	5656841	25.337	23.567
26) 2,4'-DDE	7.531	7.980	3870731	4550076	24.832	23.455

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:22
 Operator : MJB
 Sample : 0J14056-CALF
 Misc : A20I184, 9-42 25 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:42 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.718	8.061	5561787	6425020	24.779	23.053
28)	2,4'-DDD	7.908	8.351	3482222	3919505	24.955	25.756
29)	2,4'-DDT	8.090	8.572	3622126	3783032	25.967	26.312
30)	cis-Nonac...	8.196	8.618	6071870	6980137	25.006	25.849
31)	Mirex	8.869	9.521	3665359	3817069	24.849	24.891
32)	Chlordane...	7.531f	8.094	3870731	54072	161.858	1.204 #
33)	Chlordane...	7.628f	8.167f	15602	20203	0.589	0.537
34)	Chlordane...	8.196	0.000	6071870	0	961.213	N.D. #
35)	Chlordane...	3.963f	3.920	29657	26557	NoCal	NoCal
36)	Toxaphene...	7.628	8.431	15602	11877	16.411	3.952 #
37)	Toxaphene...	7.908	8.756	3482222	23041	1923.509	6.596 #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.481	0.000	7421	0	2.192	N.D. #
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	0.000	9.406f	0	12849	N.D.	2.894 #
42)	Toxaphene...	3.963f	3.920	29657	26557	NoCal	NoCal

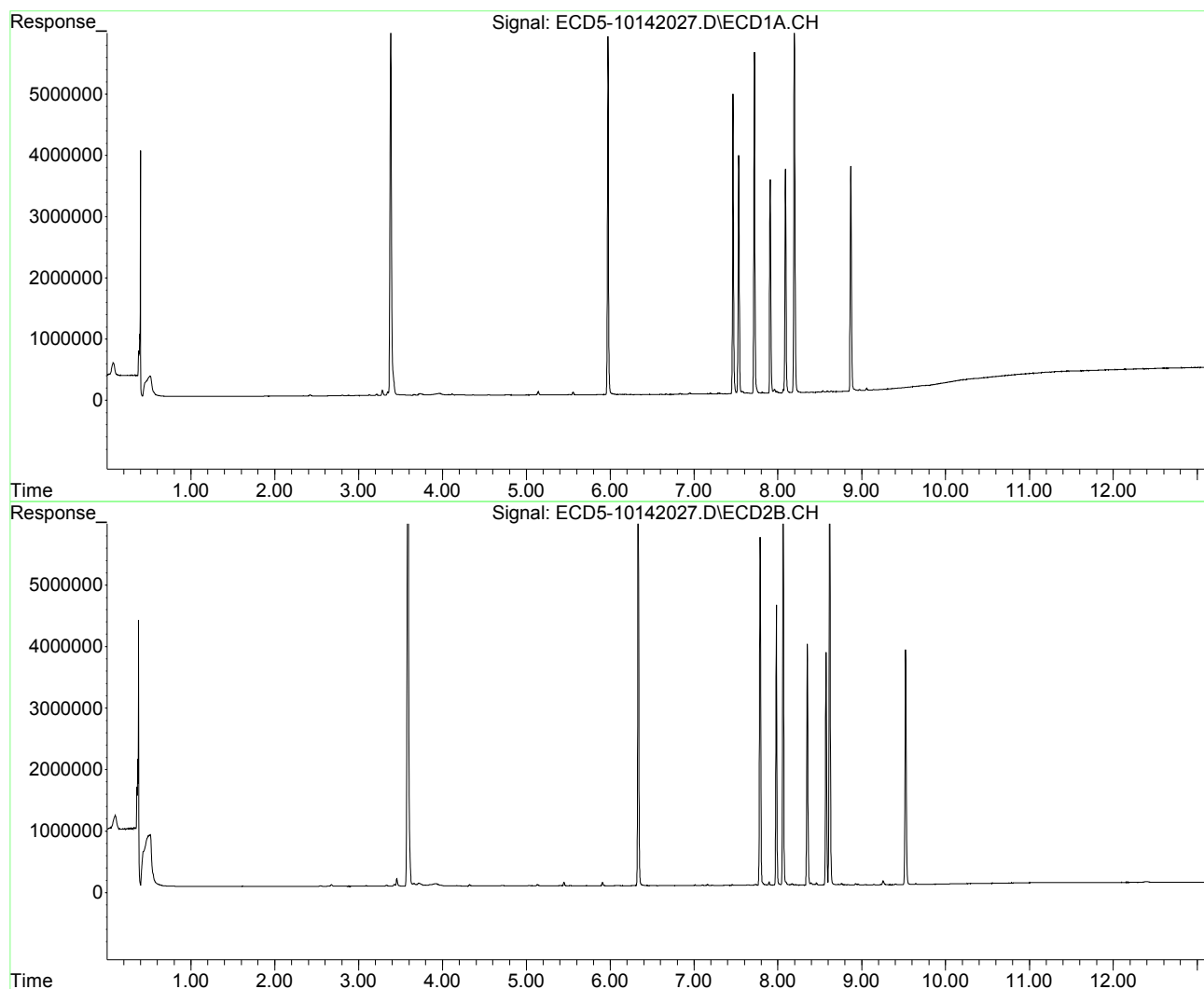
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 20:22
Operator : MJB
Sample : 0J14056-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:43:42 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:39
 Operator : MJB
 Sample : 0J14056-CALG MJB 10/15/20
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.558f	5.909f	82661	98294	0.341	0.317
22) S DCBP (S)	9.769f	0.000	17765	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.394f	0.000	5700	0	0.022	N.D. #
4) b-BHC	6.518	0.000	3470	0	5685.405	N.D. #
5) Heptachlor	6.832	7.158	25926	28713	0.102	0.102
6) d-BHC	6.668	7.100	6595	8142	0.024	BelowCal #
7) Aldrin	0.000	7.458f	0	9477	N.D.	0.031 #
8) Heptachlo...	7.531	7.893f	7407872	144044	30.336	0.528 #
9) trans-Chl...	7.632	7.981	24188	9020941	0.095	31.899 #
10) cis-Chlor...	7.719	8.061f	10843817	12986213	44.602	48.402
11) Endosulfa...	7.816	8.168	37640	43933	0.165	0.174
12) 4,4'-DDE	7.816f	8.210	37640	10747	0.145	0.037 #
13) Dieldrin	0.000	8.351	0	7545788	N.D.	26.822 #
14) Endrin	8.196f	8.572	11655304	7077939	63.204	36.234 #
15) 4,4'-DDD	8.196	8.617	11655304	14071019	53.357	60.251
16) Endosulfa...	8.346	0.000	9478	0	0.045	N.D. #
17) 4,4'-DDT	8.405	0.000	6193	0	0.031	N.D. #
18) Endrin Al...	8.634	8.957	21862	14944	6021.114	BelowCal #
19) Endosulfa...	8.973f	9.144	35996	6945	BelowCal	BelowCal
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.142	9.522	4867	7493572	0.020	30.158 #
23) Hexachlor...	3.384	3.587	10789137	16441536	47.756	45.811
24) Hexachlor...	5.973	6.334	11106946	15331000	47.897	49.121
25) Oxychlorane	7.465	7.787	9326636	10738437	48.368	44.738
26) 2,4'-DDE	7.531	7.981	7407872	9020941	47.783	46.501

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:39
 Operator : MJB
 Sample : 0J14056-CALG
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:43:52 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27) trans-Non...	7.719	8.061	10843817	12986213	48.219	46.594
28) 2,4'-DDD	7.909	8.351	6716596	7545788	48.252	48.727
29) 2,4'-DDT	8.091	8.572	6517761	7077939	46.613	47.998
30) cis-Nonac...	8.196	8.617	11655304	14071019	48.012	50.826
31) Mirex	8.869	9.522	6988668	7493572	47.642	48.294
32) Chlordane...	7.531f	8.061f	7407872	12986213	309.766	289.084
33) Chlordane...	7.632	8.210	24188	10747	0.913	0.286 #
34) Chlordane...	8.196	0.000	11655304	0	1845.104	N.D. #
35) Chlordane...	3.963f	3.929	29886	23596	NoCal	NoCal
36) Toxaphene...	7.632	8.432	24188	26831	25.443	8.928 #
37) Toxaphene...	7.909	8.758	6716596	39180	3710.111	11.217 #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.481	0.000	11252	0	3.323	N.D. #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	0.000	9.406f	0	23483	N.D.	5.272 #
42) Toxaphene...	3.963f	3.929	29886	23596	NoCal	NoCal

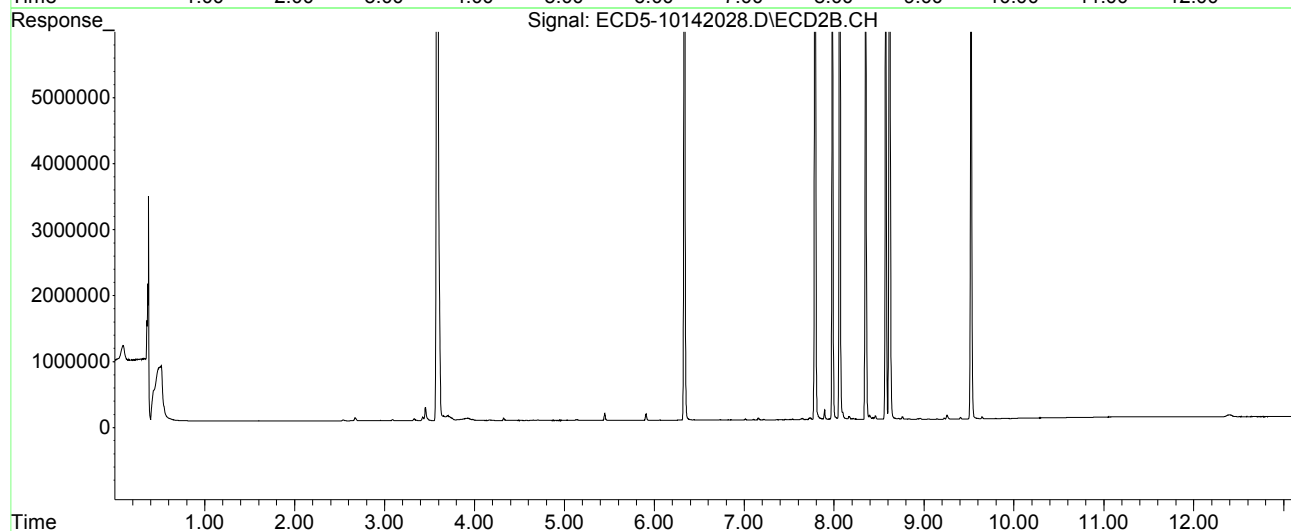
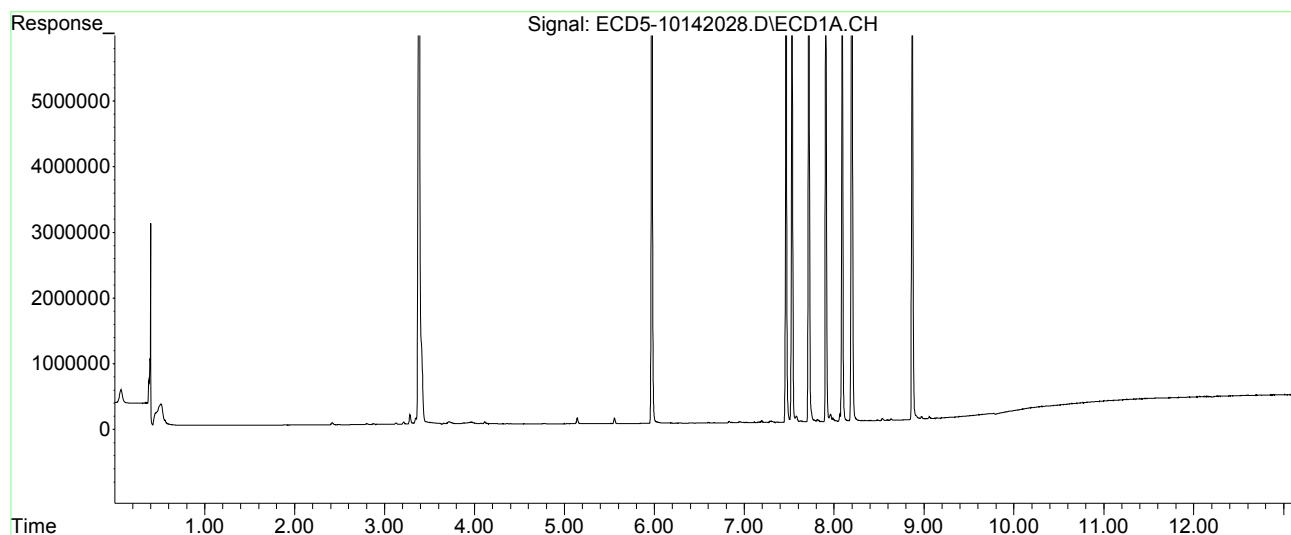
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 20:39
Operator : MJB
Sample : 0J14056-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:43:52 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:56
 Operator : MJB
 Sample : 0J14056-CALH
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:44:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.559f	5.909f	158926	192859	0.655	0.623
22) S DCBP (S)	9.793	0.000	19297	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.117f	6.439f	10406	4671	0.033	0.012 #
3) g-BHC	6.395f	0.000	9258	0	0.035	N.D. #
4) b-BHC	6.517	6.853	4496	6988	5685.396	0.046 #
5) Heptachlor	6.831	7.158	49313	54537	0.195	0.193
6) d-BHC	6.668	7.099	8195	10877	0.030	BelowCal #
7) Aldrin	7.075	7.393f	4065	8162	0.015	0.027 #
8) Heptachlo...	7.530	7.892f	15255802	219946	62.474	0.806 #
9) trans-Chl...	7.631	7.981	47424	18843562	0.187	66.632 #
10) cis-Chlor...	7.718	8.061f	22501834	27697760	92.552	103.234
11) Endosulfa...	7.815	8.168	63518	76369	0.278	0.302
12) 4,4'-DDE	7.815f	8.209	63518	30206	0.244	0.104 #
13) Dieldrin	7.985f	8.351	109738	16438803	0.435	58.432 #
14) Endrin	8.196f	8.573	23940957	15094249	129.827	77.271 #
15) 4,4'-DDD	8.196	8.618	23940957	29338156	109.600	125.624
16) Endosulfa...	8.347	0.000	15690	0	0.075	N.D. #
17) 4,4'-DDT	8.407	8.830	11366	12698	0.057	0.067
18) Endrin Al...	8.633	8.958	29226	25661	6021.075	BelowCal #
19) Endosulfa...	8.972f	0.000	72561	0	0.157	N.D. #
20) Methoxychlor	8.715f	0.000	2265	0	BelowCal	N.D.
21) Endrin Ke...	9.142	9.522	4785	16056234	0.020	64.619 #
23) Hexachlor...	3.384	3.587	20265944	31642538	90.686	88.165
24) Hexachlor...	5.973	6.335	22763420	31843115	98.039	99.367
25) Oxychlorane	7.465	7.787	19185849	23999757	98.295	99.987
26) 2,4'-DDE	7.530	7.981	15255802	18843562	98.889	97.135

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:56
 Operator : MJB
 Sample : 0J14056-CALH
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:44:01 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.718	8.061	22501834	27697760	98.998	99.378
28)	2,4'-DDD	7.908	8.351	13752816	16438803	98.597	101.342
29)	2,4'-DDT	8.090	8.573	13882492	15094249	97.980	96.357
30)	cis-Nonac...	8.196	8.618	23940957	29338156	98.009	100.442
31)	Mirex	8.869	9.522	14218322	16056234	97.057	99.787
32)	Chlordane...	7.579f	8.061f	141438	27697760	5.914	616.574 #
33)	Chlordane...	7.631	8.209	47424	30206	1.791	0.803 #
34)	Chlordane...	8.196	8.830f	23940957	12698	3789.995	1.286 #
35)	Chlordane...	3.908f	3.929	19870	30915	NoCal	NoCal
36)	Toxaphene...	7.631	8.431	47424	44716	49.884	14.880 #
37)	Toxaphene...	7.908	8.758	13752816	34225	7596.775	9.798 #
38)	Toxaphene...	0.000	8.800	0	9980	N.D.	1.868 #
39)	Toxaphene...	8.480	0.000	22897	0	6.763	N.D. #
40)	Toxaphene...	8.715	9.051	2265	6777	0.900	1.340 #
41)	Toxaphene...	0.000	9.406f	0	45929	N.D.	10.288 #
42)	Toxaphene...	3.908f	3.929	19870	30915	NoCal	NoCal

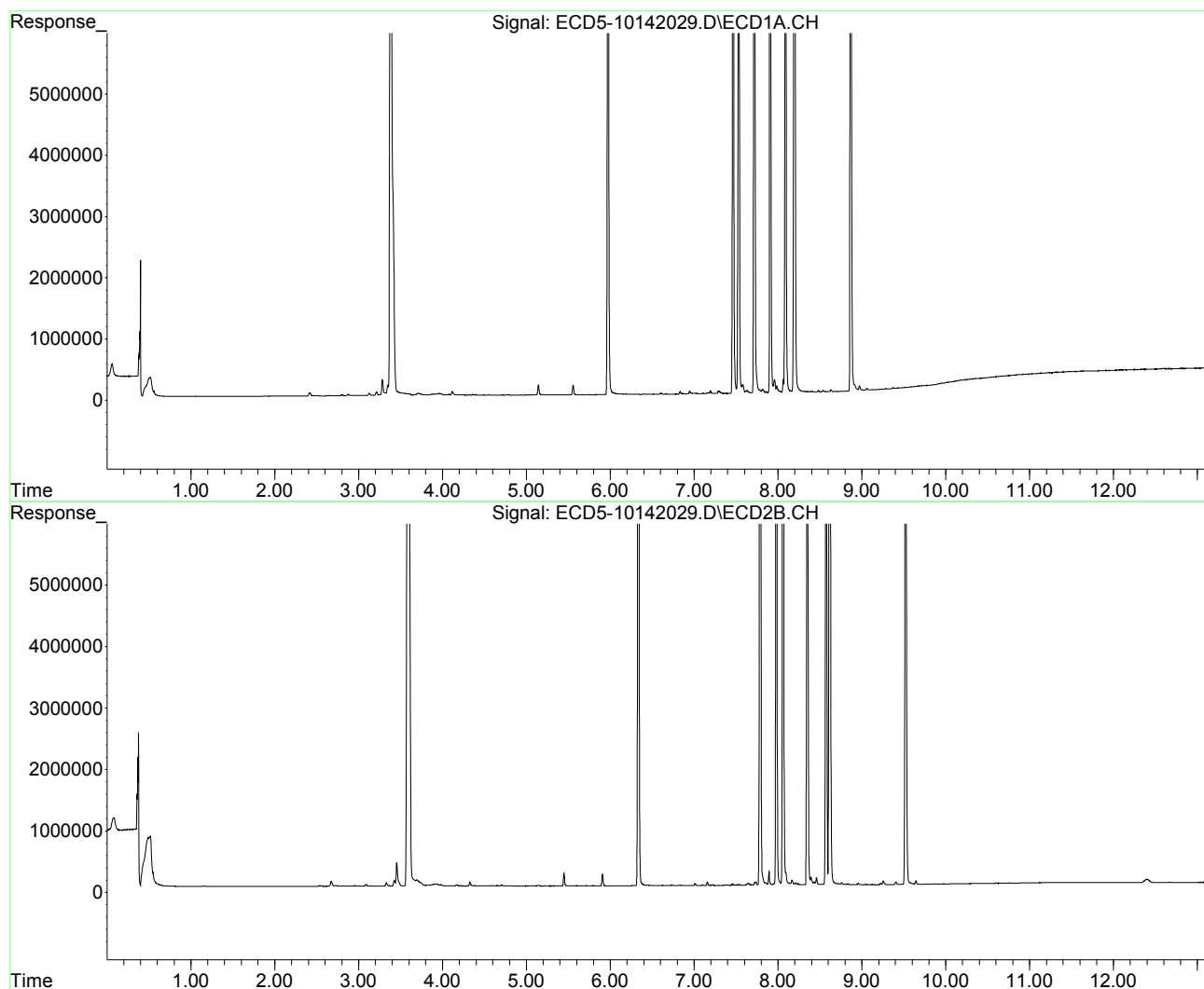
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 20:56
Operator : MJB
Sample : 0J14056-CALH
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:44:01 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 21:13
 Operator : MJB
 Sample : 0J14056-CALI
 Misc : A20I179, 9-42 200 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:44:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.557f	5.908f	309726	382982	1.276	1.236
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.139	6.466	24480	17928	0.079	0.045 #
3) g-BHC	6.429	6.784	13078	14902	0.050	0.045
4) b-BHC	6.514	6.853	16395	22769	5685.290	0.150 #
5) Heptachlor	6.829	7.156	101584	111558	0.401	0.394
6) d-BHC	6.664	7.098	30880	37583	0.113	BelowCal #
7) Aldrin	7.071	7.417	18862	14350	0.071	0.047 #
8) Heptachlo...	7.528	7.850	31170134	66703	127.644	0.245 #
9) trans-Chl...	7.629	7.980	96704	41228281	0.381	145.786 #
10) cis-Chlor...	7.716	8.060f	47240427	60499948	194.305	225.493
11) Endosulfa...	7.825	8.166	114988	126998	0.503	0.503
12) 4,4'-DDE	0.000	8.207	0	88921	N.D.	0.305 #
13) Dieldrin	7.983f	8.350	211358	35222352	0.838	125.199 #
14) Endrin	8.195	8.572	50637102	36161564	274.595	185.119 #
15) 4,4'-DDD	8.195	8.618	50637102	64183868	231.813	274.832
16) Endosulfa...	8.342	8.716	41361	47020	0.198	0.205
17) 4,4'-DDT	8.406	8.835	39490	39082	0.198	0.205
18) Endrin Al...	8.632	8.956	55280	60836	6020.939	BelowCal #
19) Endosulfa...	8.970f	9.143	136379	22770	0.503	BelowCal #
20) Methoxychlor	8.742	9.305	9961	7405	BelowCal	0.077
21) Endrin Ke...	9.140	9.522	21235	34930206	0.087	140.578 #
23) Hexachlor...	3.384	3.588	45895823	73023819	211.033	203.465
24) Hexachlor...	5.973	6.335	47655589	68056397	203.963	201.199
25) Oxychlorane	7.463	7.786	40755507	52080586	202.818	216.976
26) 2,4'-DDE	7.528	7.980	31170134	41228281	203.316	212.525

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 21:13
 Operator : MJB
 Sample : 0J14056-CALI
 Misc : A20I179, 9-42 200 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:44:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.716	8.060	47240427	60499948	202.762	217.071
28)	2,4'-DDD	7.906	8.350	28573910	35222352	203.192	199.538
29)	2,4'-DDT	8.089	8.572	29834951	36161564	204.181	203.572
30)	cis-Nonac...	8.195	8.618	50637102	64183868	203.863	198.636
31)	Mirex	8.867	9.522	30209770	34930206	205.540	201.748
32)	Chlordane...	7.576f	8.060f	244527	60499948	10.225	1346.777 #
33)	Chlordane...	7.629	8.207	96704	88921	3.652	2.363 #
34)	Chlordane...	8.195	8.835	50637102	39082	8016.153	3.958 #
35)	Chlordane...	3.961f	3.931	34247	30529	NoCal	NoCal
36)	Toxaphene...	7.629	8.430	96704	84747	101.722	28.200 #
37)	Toxaphene...	7.906f	8.757	28573910	39394	15783.645	11.278 #
38)	Toxaphene...	0.000	8.799	0	22732	N.D.	4.255 #
39)	Toxaphene...	8.478	8.835f	48187	39082	14.232	4.269 #
40)	Toxaphene...	8.712	9.050	6738	13172	2.679	2.606
41)	Toxaphene...	8.742f	9.405f	9961	93735	3.191	20.945 #
42)	Toxaphene...	3.906f	3.931	25685	30529	NoCal	NoCal

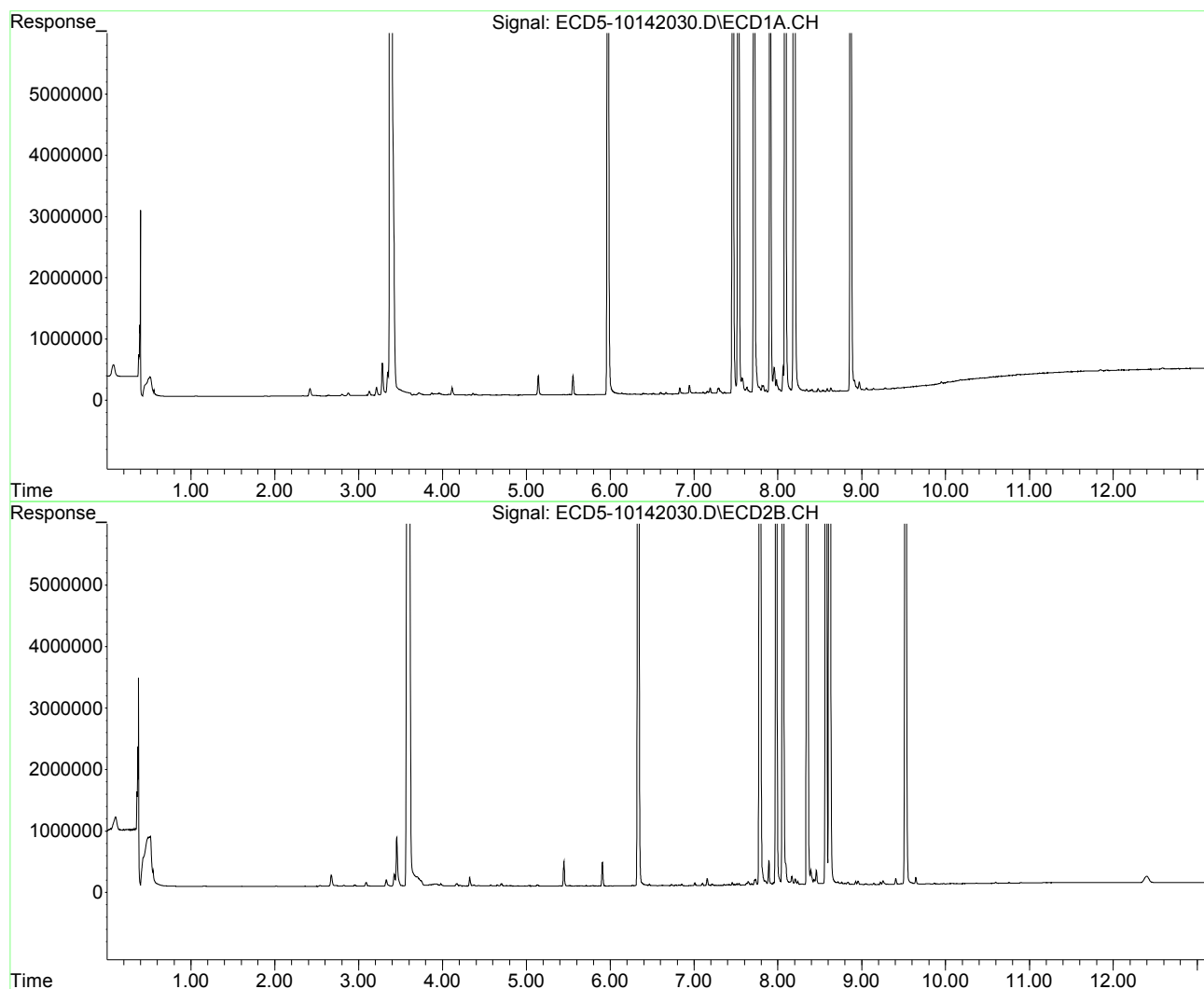
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 21:13
Operator : MJB
Sample : 0J14056-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:44:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:05
 Operator : MJB
 Sample : 0J14056-CALJ
 Misc : A20J232, CHLOR 10 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.909f	0	30132	N.D.	0.097 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.120	6.498f	2363	10030	0.008	0.025 #
3) g-BHC	6.390f	0.000	5900	0	0.022	N.D. #
4) b-BHC	6.521	6.887f	4394	12452	5685.397	0.082 #
5) Heptachlor	6.830	7.157	131663	149537	0.520	0.529
6) d-BHC	6.670	7.099	7216	7353	0.026	BelowCal #
7) Aldrin	0.000	7.385f	0	7513	N.D.	0.025 #
8) Heptachlo...	7.542	7.823f	25459	74299	0.104	0.272 #
9) trans-Chl...	7.635	7.994	304550	356975	1.199	1.262
10) cis-Chlor...	7.728	8.100	307347	294489	1.264	1.098
11) Endosulfa...	7.850	0.000	6962	0	0.030	N.D. #
12) 4,4'-DDE	7.793	8.201	11002	9181	0.042	0.031 #
13) Dieldrin	8.020	8.349	8902	27784	0.035	0.099 #
14) Endrin	8.195f	8.571	61431	6753	0.333	0.035 #
15) 4,4'-DDD	8.195	8.617	61431	75793	0.281	0.325
16) Endosulfa...	8.338	8.714	8628	8716	0.041	0.038
17) 4,4'-DDT	8.406	0.000	4772	0	0.024	N.D. #
18) Endrin Al...	8.637	8.951	6155	8853	6021.195	BelowCal #
19) Endosulfa...	8.938	9.144	16565	16955	BelowCal	BelowCal
20) Methoxychlor	8.745	0.000	4125	0	BelowCal	N.D.
21) Endrin Ke...	9.140	9.533	13559	17476	0.055	0.070 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.970	6.303f	2989	6115	BelowCal	BelowCal
25) Oxychlorane	7.494f	7.823f	68804	74299	0.106	0.310 #
26) 2,4'-DDE	7.542	7.994	25459	356975	20649.235	1.840 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:05
 Operator : MJB
 Sample : 0J14056-CALJ
 Misc : A20J232, CHLOR 10 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.728	8.061	307347	264994	1.180	0.951
28)	2,4'-DDD	7.911	8.349	8106	27784	BelowCal	BelowCal
29)	2,4'-DDT	8.066f	8.571	21439	6753	BelowCal	BelowCal
30)	cis-Nonac...	8.195	8.617	61431	75793	0.037	0.057 #
31)	Mirex	8.871	9.533	983	17476	BelowCal	BelowCal
32)	Chlordane...	7.635	7.994	304550	356975	11.114	10.075
33)	Chlordane...	7.728	8.100	307347	294489	10.996	10.204
34)	Chlordane...	8.287	8.753	90342	109674	11.190	10.049
35)	Chlordane...	3.964f	3.925	23017	16640	NoCal	NoCal
36)	Toxaphene...	7.728	8.349f	307347	27784	329.295	10.151 #
37)	Toxaphene...	8.020	8.671	8902	9218	4.099	2.794 #
38)	Toxaphene...	8.338	8.714	8628	8716	1.996	1.827
39)	Toxaphene...	8.590f	8.753f	6979	109674	1.547	13.828 #
40)	Toxaphene...	8.777f	8.951	992	8853	0.279	1.852 #
41)	Toxaphene...	8.871	0.000	983	0	0.239	N.D. #
42)	Toxaphene...	3.964f	3.925	23017	16640	NoCal	NoCal

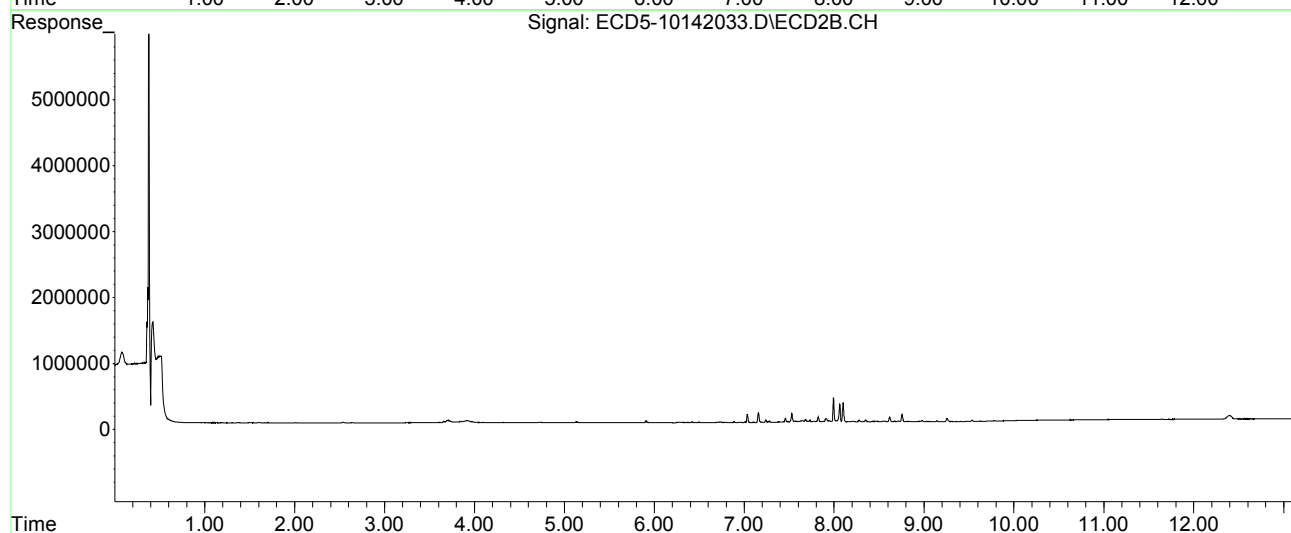
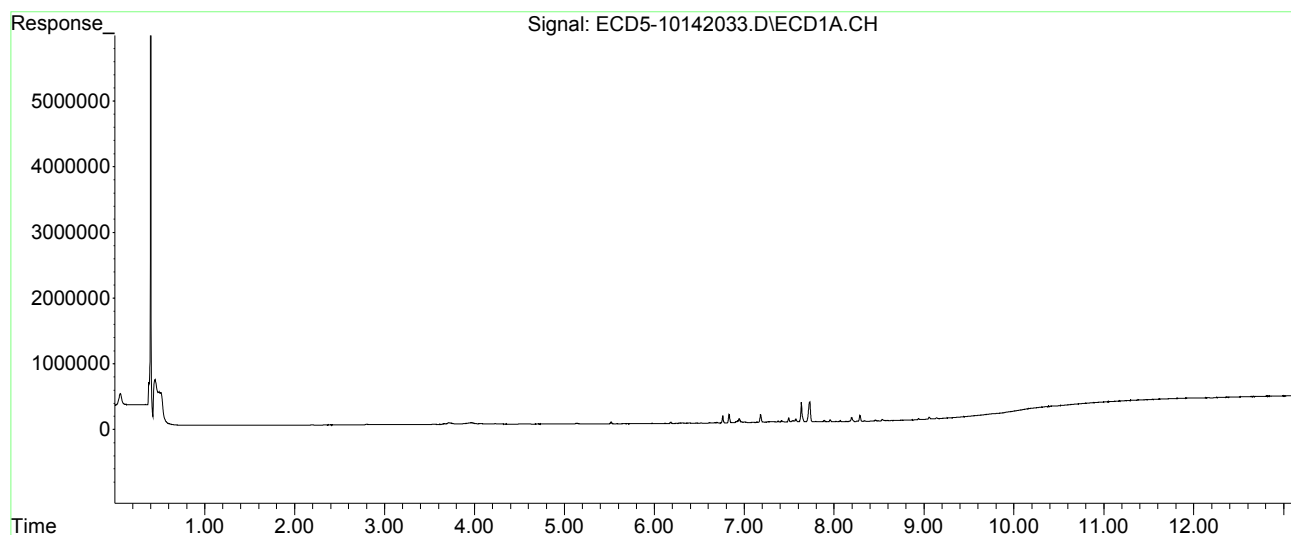
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:05
Operator : MJB
Sample : 0J14056-CALJ
Misc : A20J232, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:16:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:22
 Operator : MJB
 Sample : 0J14056-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:14 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.908f	0	119815	N.D.	0.387 #
22) S DCBP (S)	9.787	0.000	19598	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.118	6.497f	2363	42422	0.008	0.108 #
3) g-BHC	6.390f	6.795	21792	15760	0.083	0.047 #
4) b-BHC	6.521	6.887f	15315	52490	5685.300	0.346 #
5) Heptachlor	6.830	7.156	572164	649501	2.260	2.296
6) d-BHC	6.645	7.098	11390	8544	0.042	BelowCal #
7) Aldrin	7.048f	7.457f	5430	115836	0.020	0.380 #
8) Heptachlo...	7.542	7.871	94964	41797	0.389	0.153 #
9) trans-Chl...	7.634	7.993	1334556	1636860	5.252	5.788
10) cis-Chlor...	7.727	8.099	1346695	1325165	5.539	4.939
11) Endosulfa...	7.848	8.163	32133	26494	0.141	0.105 #
12) 4,4'-DDE	7.792	8.198	35507	43462	0.137	0.149
13) Dieldrin	8.020	8.348	42801	123741	0.170	0.440 #
14) Endrin	8.195	8.569	249695	37358	1.354	0.191 #
15) 4,4'-DDD	8.195	8.616	249695	285691	1.143	1.223
16) Endosulfa...	8.333	8.706	27839	36036	0.134	0.157
17) 4,4'-DDT	0.000	8.827	0	27068	N.D.	0.142 #
18) Endrin Al...	8.645	8.951	6329	13292	6021.195	BelowCal #
19) Endosulfa...	8.935	9.166f	19508	7234	BelowCal	BelowCal
20) Methoxychlor	8.746	0.000	5308	0	BelowCal	N.D.
21) Endrin Ke...	9.139	9.533	5133	21793	0.021	0.088 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.966	6.303f	2454	6296	BelowCal	BelowCal
25) Oxychlorane	7.493f	7.766f	278697	19084	1.216	0.080 #
26) 2,4'-DDE	7.542	7.993	94964	1636860	0.389	8.438 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:22
 Operator : MJB
 Sample : 0J14056-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:14 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.727	8.059	1346695	1162834	5.871	4.172	#
28)	2,4'-DDD	7.910	8.348	34750	123741	0.016	0.577	#
29)	2,4'-DDT	8.065f	8.569	102595	37358	0.509	0.018	#
30)	cis-Nonac...	8.195	8.616	249695	285691	0.822	0.865	
31)	Mirex	8.836f	9.533	1938	21793	BelowCal	BelowCal	
32)	Chlordane...	7.634	7.993	1334556	1636860	48.703	46.198	
33)	Chlordane...	7.727	8.099	1346695	1325165	48.180	45.916	
34)	Chlordane...	8.286	8.751	396365	418197	49.096	48.715	
35)	Chlordane...	3.965f	3.925	18849	23626	NoCal	NoCal	
36)	Toxaphene...	7.727	8.348f	1346695	123741	1337.435	45.210	#
37)	Toxaphene...	8.020	8.669	42801	50810	19.708	15.400	
38)	Toxaphene...	8.333	8.706	27839	36036	6.442	7.556	
39)	Toxaphene...	8.561	8.751f	16630	418197	3.687	52.726	#
40)	Toxaphene...	8.775f	8.951	6408	13292	1.803	2.781	#
41)	Toxaphene...	8.836f	9.358f	1938	6567	0.471	1.398	#
42)	Toxaphene...	3.965f	3.925	18849	23626	NoCal	NoCal	

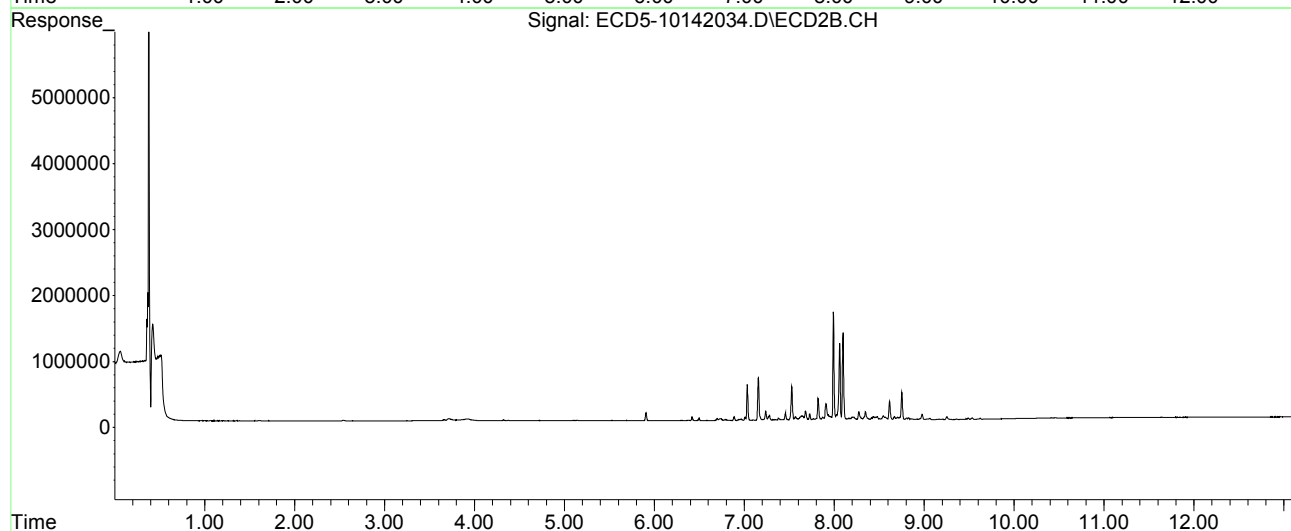
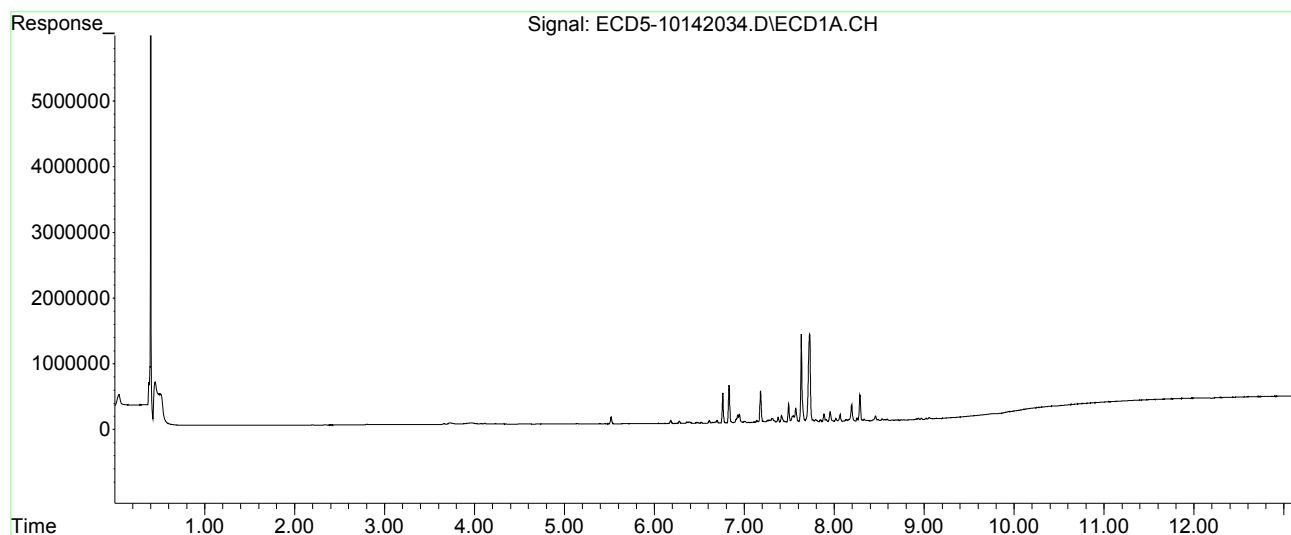
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:22
Operator : MJB
Sample : 0J14056-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:16:14 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:39
 Operator : MJB
 Sample : 0J14056-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.909f	0	228008	N.D.	0.736 #
22) S DCBP (S)	9.829f	0.000	24471	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.117f	6.497f	3198	82546	0.010	0.209 #
3) g-BHC	6.390f	6.797	44598	31695	0.169	0.095 #
4) b-BHC	6.522	6.887f	29499	101411	0.074	0.668 #
5) Heptachlor	6.830	7.157	1123443	1284015	4.437	4.540
6) d-BHC	6.646	7.097	20708	12172	0.076	BelowCal #
7) Aldrin	7.087	7.432	15416	20399	0.058	0.067
8) Heptachlo...	7.544	7.872	189435	84608	0.776	0.310 #
9) trans-Chl...	7.635	7.993	2655740	3329301	10.452	11.773
10) cis-Chlor...	7.728	8.100	2729980	2770653	11.229	10.327
11) Endosulfa...	7.850	8.164	70603	52771	0.309	0.209 #
12) 4,4'-DDE	7.793	8.200	78053	84318	0.300	0.289
13) Dieldrin	8.021	8.349	92089	239289	0.365	0.851 #
14) Endrin	8.196f	8.570	486172	70126	2.636	0.359 #
15) 4,4'-DDD	8.196	8.617	486172	560498	2.226	2.400
16) Endosulfa...	8.335	8.707	57610	70753	0.276	0.308
17) 4,4'-DDT	8.378f	8.828	21942	53955	0.110	0.283 #
18) Endrin Al...	8.648	8.979f	12682	160470	6021.161	0.466 #
19) Endosulfa...	8.936	9.166f	35428	12713	BelowCal	BelowCal
20) Methoxychlor	8.748	0.000	11663	0	BelowCal	N.D.
21) Endrin Ke...	9.142	9.534	5537	37661	0.023	0.152 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.964	6.303f	3929	12095	BelowCal	BelowCal
25) Oxychlorane	7.494f	7.768	544397	39090	2.620	0.163 #
26) 2,4'-DDE	7.544	7.993	189435	3329301	0.999	17.162 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:39
 Operator : MJB
 Sample : 0J14056-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:23 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.728	8.060	2729980	2391793	12.096	8.582	#
28)	2,4'-DDD	7.911	8.349	77276	239289	0.324	1.363	#
29)	2,4'-DDT	8.066f	8.570	203524	70126	1.245	0.257	#
30)	cis-Nonac...	8.196	8.617	486172	560498	1.808	1.921	
31)	Mirex	8.836f	9.534	4769	37661	BelowCal	BelowCal	
32)	Chlordane...	7.635	7.993	2655740	3329301	96.918	93.965	
33)	Chlordane...	7.728	8.100	2729980	2770653	97.670	96.000	
34)	Chlordane...	8.287	8.751	777703	832789	96.330	100.298	
35)	Chlordane...	3.968f	3.928	19995	22719	NoCal	NoCal	
36)	Toxaphene...	7.728	8.349f	2729980	239289	2484.875	87.427	#
37)	Toxaphene...	8.021	8.671	92089	100006	42.402	30.311	#
38)	Toxaphene...	8.335	8.707	57610	70753	13.331	14.835	
39)	Toxaphene...	8.563	8.751f	33122	832789	7.343	104.998	#
40)	Toxaphene...	8.776f	8.979f	13198	160470	3.714	33.575	#
41)	Toxaphene...	8.836f	9.358f	4769	13356	1.159	2.844	#
42)	Toxaphene...	3.968f	3.928	19995	22719	NoCal	NoCal	

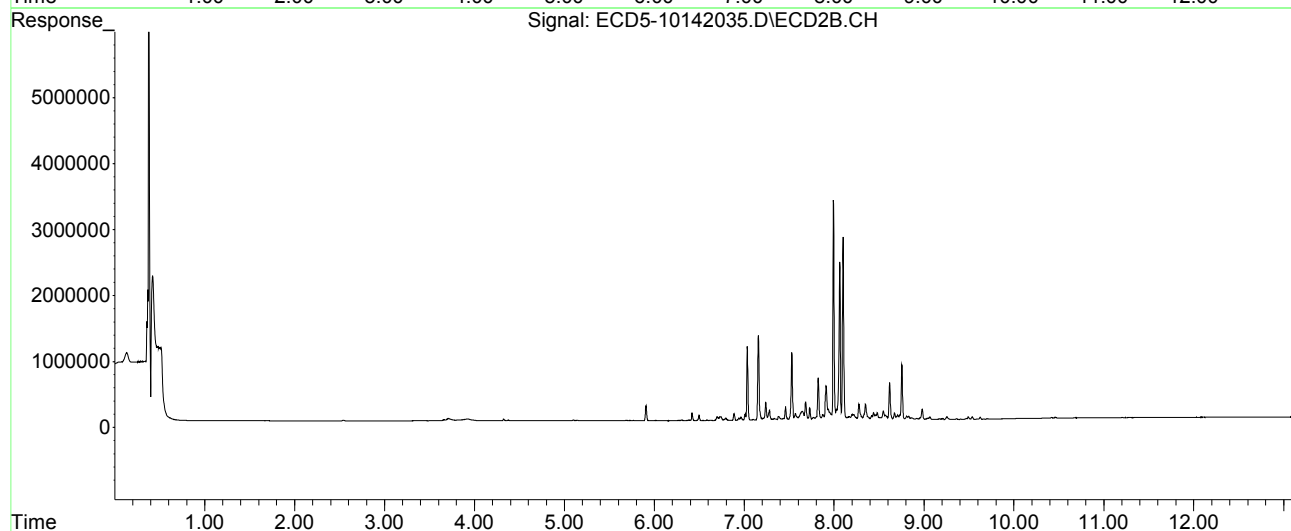
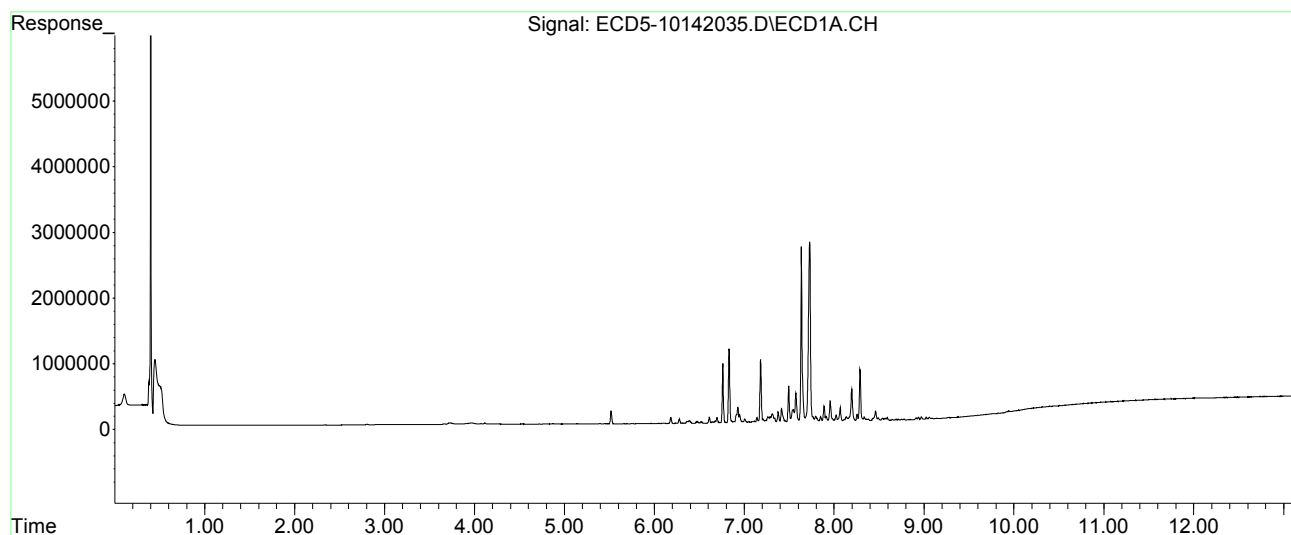
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:39
Operator : MJB
Sample : 0J14056-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:16:23 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:56
 Operator : MJB
 Sample : 0J14056-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.909f	0	430531	N.D.	1.390 #
22) S DCBP (S)	9.800	0.000	19665	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.098f	6.497f	7336	146948	0.024	0.373 #
3) g-BHC	6.389f	6.796	84290	59305	0.319	0.177 #
4) b-BHC	6.521	6.887f	55582	190157	0.305	1.253 #
5) Heptachlor	6.830	7.156	2257097	2627243	8.915	9.289
6) d-BHC	6.646	7.096	38368	20745	0.140	BelowCal #
7) Aldrin	7.087	7.430	33906	40057	0.128	0.131
8) Heptachlo...	7.544	7.872	365539	161328	1.497	0.591 #
9) trans-Chl...	7.635	7.994	5274036	6911106	20.756	24.438
10) cis-Chlor...	7.728	8.100	5386626	5568695	22.156	20.755
11) Endosulfa...	7.850	8.164	143263	106514	0.627	0.421 #
12) 4,4'-DDE	7.793	8.200	153076	167021	0.589	0.573
13) Dieldrin	8.021	8.349	180085	484844	0.714	1.723 #
14) Endrin	8.196f	8.570	949961	137216	5.151	0.702 #
15) 4,4'-DDD	8.196	8.617	949961	1107249	4.349	4.741
16) Endosulfa...	8.335	8.707	115902	139589	0.556	0.608
17) 4,4'-DDT	8.378f	8.829	49061	106864	0.246	0.561 #
18) Endrin Al...	8.648	8.979f	25687	308136	6021.094	1.197 #
19) Endosulfa...	8.936	9.167f	67694	30712	0.131	BelowCal #
20) Methoxychlor	8.747	9.273f	25668	17125	0.072	0.177 #
21) Endrin Ke...	9.143	9.534	6688	67126	0.027	0.270 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.964	6.303f	8437	19873	BelowCal	BelowCal
25) Oxychlorane	7.493f	7.767	1045695	77832	5.265	0.324 #
26) 2,4'-DDE	7.544	7.994	365539	6911106	2.138	35.626 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:56
 Operator : MJB
 Sample : 0J14056-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:32 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.728	8.060	5386626	4797272	23.997	17.212	#
28)	2,4'-DDD	7.912	8.349	156280	484844	0.897	3.027	#
29)	2,4'-DDT	8.066f	8.570	404602	137216	2.710	0.745	#
30)	cis-Nonac...	8.196	8.617	949961	1107249	3.742	4.013	
31)	Mirex	8.835f	9.534	9711	67126	BelowCal	0.088	
32)	Chlordane...	7.635	7.994	5274036	6911106	192.470	195.056	
33)	Chlordane...	7.728	8.100	5386626	5568695	192.716	192.950	
34)	Chlordane...	8.287	8.752	1556390	1625382	192.782	197.743	
35)	Chlordane...	3.966f	3.920	17538	14771	NoCal	NoCal	
36)	Toxaphene...	7.728	8.349f	5386626	484844	4320.645	177.143	#
37)	Toxaphene...	8.021	8.670	180085	192728	82.920	58.415	#
38)	Toxaphene...	8.335	8.707	115902	139589	26.820	29.269	
39)	Toxaphene...	8.563	8.752f	64095	1625382	14.209	204.929	#
40)	Toxaphene...	8.776f	8.979f	28023	308136	7.885	64.470	#
41)	Toxaphene...	8.835f	9.359f	9711	27176	2.361	5.786	#
42)	Toxaphene...	3.966f	3.920	17538	14771	NoCal	NoCal	

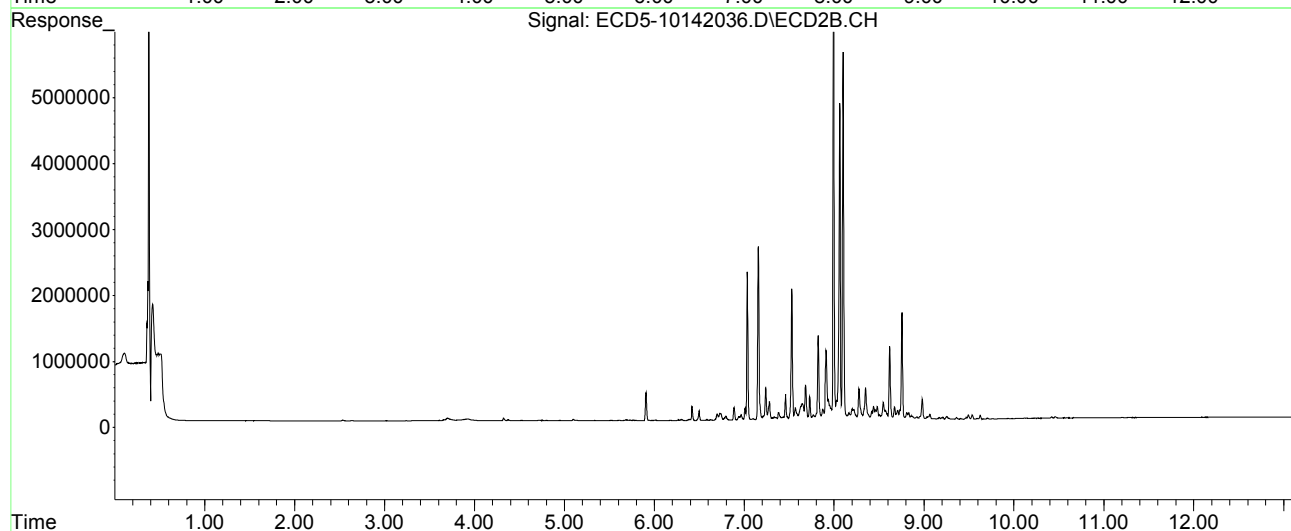
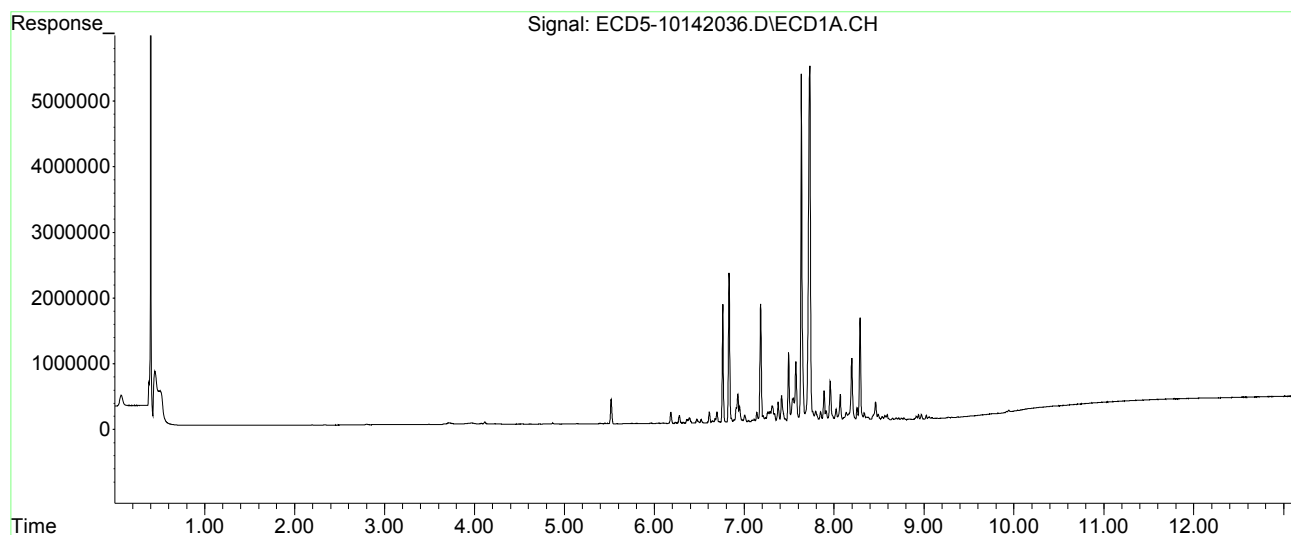
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:56
Operator : MJB
Sample : 0J14056-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:16:32 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:14
 Operator : MJB
 Sample : 0J14056-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.909f	4946	1086143	0.020	3.507 #
22) S DCBP (S)	9.827f	10.336f	30464	9076	BelowCal	BelowCal
Target Compounds						
2) a-BHC	6.099f	6.498f	17666	335907	0.057	0.852 #
3) g-BHC	6.390f	6.796	183781	158740	0.696	0.475 #
4) b-BHC	6.522	6.887f	138488	497762	1.039	3.281 #
5) Heptachlor	6.830	7.157	5658656	6948459	22.350	24.568
6) d-BHC	6.697f	7.096	417805	57353	1.527	BelowCal #
7) Aldrin	7.048f	7.429	84550	98976	0.319	0.325
8) Heptachlo...	7.574f	7.872	2474239	397803	10.132	1.458 #
9) trans-Chl...	7.634	7.994	13654042	18347035	53.736	64.876
10) cis-Chlor...	7.725	8.100	13452829	14574069	55.333	54.320
11) Endosulfa...	7.849	8.164	360290	271889	1.576	1.076 #
12) 4,4'-DDE	7.793	8.200	383721	399592	1.477	1.370
13) Dieldrin	0.000	8.349	0	1340603	N.D.	4.765 #
14) Endrin	8.196f	8.570	2364275	337551	12.821	1.728 #
15) 4,4'-DDD	8.196	8.618	2364275	2729394	10.823	11.687
16) Endosulfa...	8.334	8.707	289327	340279	1.388	1.482
17) 4,4'-DDT	0.000	8.829	0	264517	N.D.	1.389 #
18) Endrin Al...	8.649	8.979f	68645	795199	6020.870	3.604 #
19) Endosulfa...	8.935	9.166f	158390	79855	0.622	0.187 #
20) Methoxychlor	8.715f	9.330f	80612	22237	0.642	0.230 #
21) Endrin Ke...	0.000	9.535	0	157502	N.D.	0.634 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.963	6.303f	21110	41984	BelowCal	BelowCal
25) Oxychlorane	7.493f	7.767	2693073	185591	13.929	0.773 #
26) 2,4'-DDE	7.493f	7.994	2693073	18347035	17.202	94.576 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:14
 Operator : MJB
 Sample : 0J14056-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.725	8.060	13452829	12605042	59.695	45.226
28)	2,4'-DDD	7.886f	8.349	1132172	1340603	7.967	8.786
29)	2,4'-DDT	8.066f	8.570	1054336	337551	7.434	2.198 #
30)	cis-Nonac...	8.196	8.618	2364275	2729394	9.629	10.159
31)	Mirex	8.838f	9.535	21774	157502	BelowCal	0.698
32)	Chlordane...	7.634	7.994	13654042	18347035	498.290	517.820
33)	Chlordane...	7.725	8.100	13452829	14574069	481.299	504.977
34)	Chlordane...	8.287	8.752	3976029	4222031	492.491	506.996
35)	Chlordane...	3.965f	3.925	19406	22138	NoCal	NoCal
36)	Toxaphene...	7.725	8.349f	13452829	1340603	8492.051	489.805 #
37)	Toxaphene...	0.000	8.670	0	471230	N.D.	142.828 #
38)	Toxaphene...	8.334	8.707	289327	340279	66.950	71.349
39)	Toxaphene...	8.587	8.752f	197472	4222031	43.778	532.315 #
40)	Toxaphene...	8.776f	8.979f	71789	795199	20.199	166.377 #
41)	Toxaphene...	8.838f	9.330	21774	22237	5.293	4.734
42)	Toxaphene...	3.965f	3.925	19406	22138	NoCal	NoCal

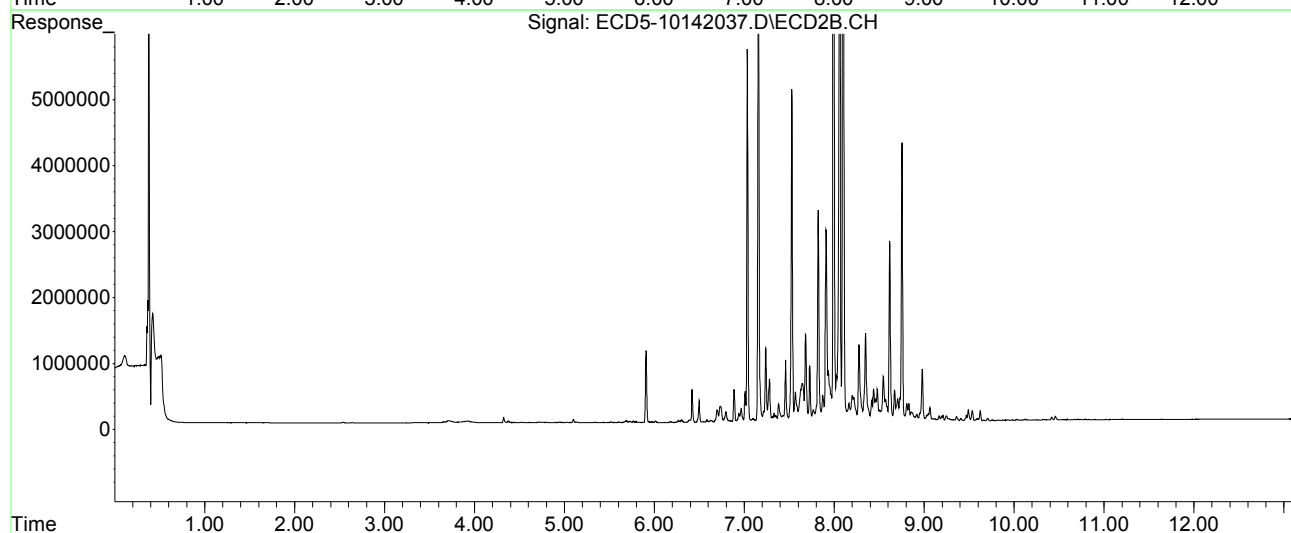
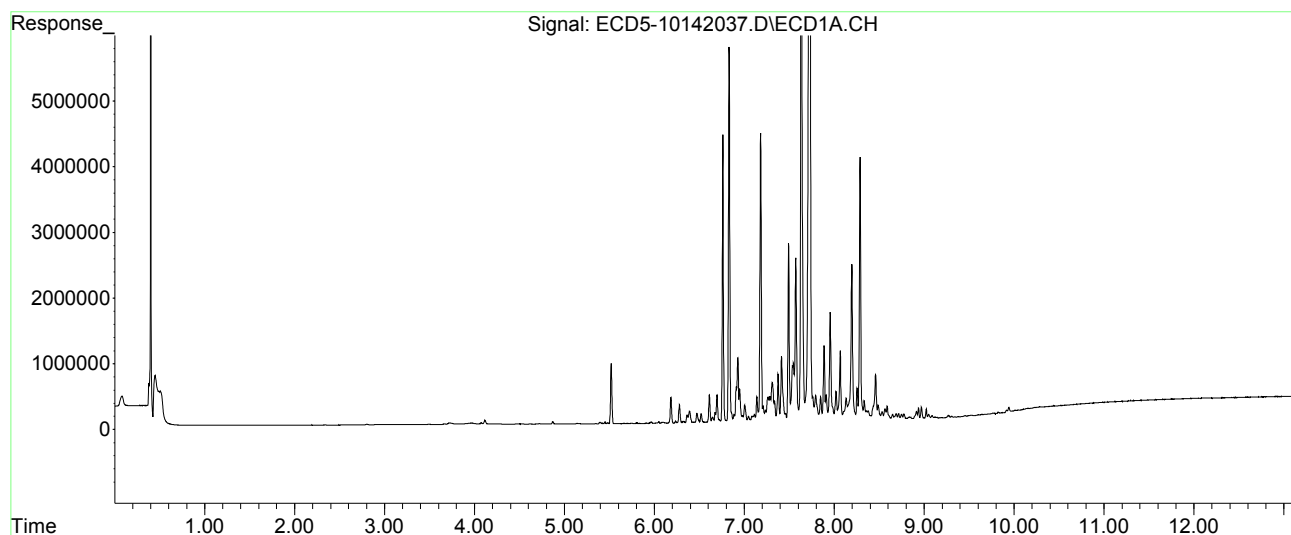
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 23:14
Operator : MJB
Sample : 0J14056-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:16:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:32
 Operator : MJB
 Sample : 0J14056-CALO
 Misc : A20F061, CHLOR 100 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:51 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.587	5.909f	9881	2194435	0.041	7.085 #
22) S DCBP (S)	9.826f	10.337f	53015	15896	0.029	BelowCal #
Target Compounds						
2) a-BHC	6.099f	6.497f	29014	636613	0.093	1.615 #
3) g-BHC	6.439	6.796	24218	300811	0.092	0.900 #
4) b-BHC	6.521	6.887f	266490	969519	2.174	6.390 #
5) Heptachlor	6.830	7.156	11488994	14257000	45.378	50.410
6) d-BHC	6.646	7.095	144546	100599	0.528	0.133 #
7) Aldrin	7.086	7.429	167603	175208	0.632	0.575
8) Heptachlo...	7.542	7.871	1728377	753762	7.078	2.763 #
9) trans-Chl...	7.634	7.993	27016807	36455555	106.326	128.910
10) cis-Chlor...	7.727	8.100	28187565	29865994	115.938	111.315
11) Endosulfa...	7.849	8.164	694519	536234	3.038	2.122 #
12) 4,4'-DDE	7.792	8.199	758617	772730	2.920	2.649
13) Dieldrin	8.020	8.349	849348	2797370	3.366	9.943 #
14) Endrin	8.196f	8.570	4647637	666117	25.203	3.410 #
15) 4,4'-DDD	8.196	8.617	4647637	5403251	21.277	23.136
16) Endosulfa...	8.334	8.706	583567	688607	2.800	2.999
17) 4,4'-DDT	8.378f	8.829	278662	517335	1.397	2.717 #
18) Endrin Al...	8.649	8.979f	147718	1534492	0.406	7.245 #
19) Endosulfa...	8.935	9.122f	310644	72909	1.445	0.152 #
20) Methoxychlor	8.747	9.300	147207	45754	1.332	0.473 #
21) Endrin Ke...	9.144	9.535	21285	285564	0.087	1.149 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.962	6.303f	35252	72171	BelowCal	0.057
25) Oxychlorane	7.492f	7.766f	5219241	340535	27.128	1.419 #
26) 2,4'-DDE	7.542	7.993	1728377	36455555	10.956	187.922 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:32
 Operator : MJB
 Sample : 0J14056-CALO
 Misc : A20F061, CHLOR 100 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:51 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.727	8.060	28187565	25464747	123.309	91.366	#
28)	2,4'-DDD	7.911	8.349	761549	2797370	5.283	18.440	#
29)	2,4'-DDT	8.066f	8.570	2100911	666117	15.013	4.569	#
30)	cis-Nonac...	8.196	8.617	4647637	5403251	19.109	20.096	
31)	Mirex	8.835f	9.535	59655	285564	0.062	1.561	#
32)	Chlordane...	7.634	7.993	27016807	36455555	985.950	1028.908	
33)	Chlordane...	7.727	8.100	28187565	29865994	1008.461	1034.828	
34)	Chlordane...	8.287	8.752	7956827	8880946	985.572	1028.514	
35)	Chlordane...	3.968f	3.923	18550	13059	NoCal	NoCal	
36)	Toxaphene...	7.727	8.349f	28187565	2797370	13925.933	1022.052	#
37)	Toxaphene...	8.020	8.670	849348	912135	391.080	276.464	#
38)	Toxaphene...	8.334	8.706	583567	688607	135.036	144.387	
39)	Toxaphene...	8.563	8.752f	313012	8880946	69.393	1119.713	#
40)	Toxaphene...	8.776f	8.979f	149043	1534492	41.937	321.058	#
41)	Toxaphene...	8.835f	9.331	59655	51032	14.503	10.865	#
42)	Toxaphene...	3.968f	3.923	18550	13059	NoCal	NoCal	

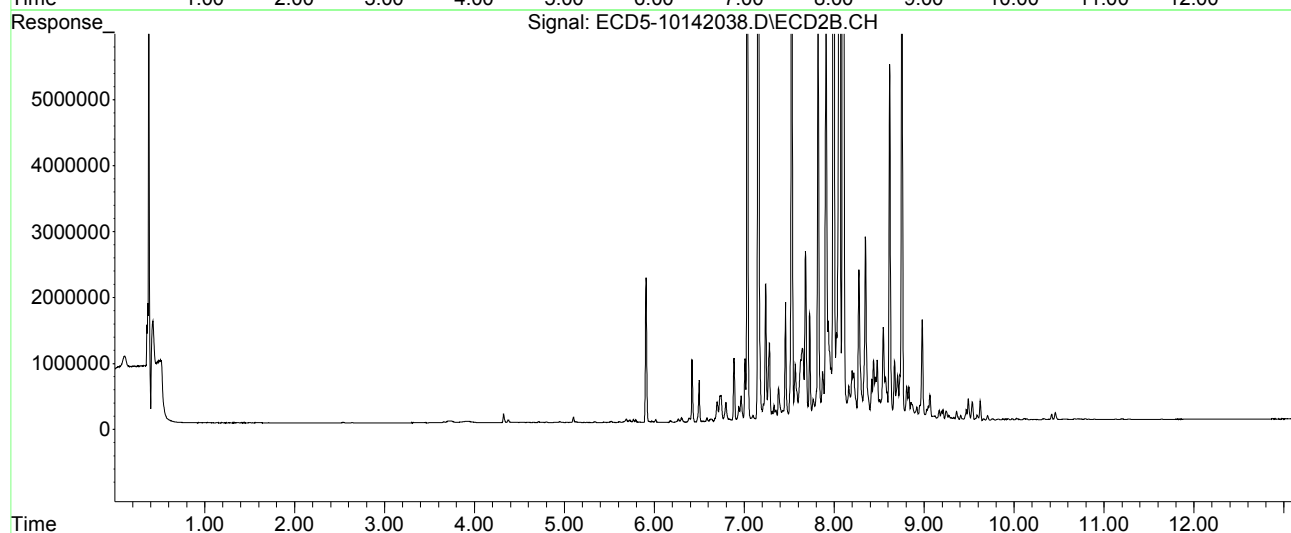
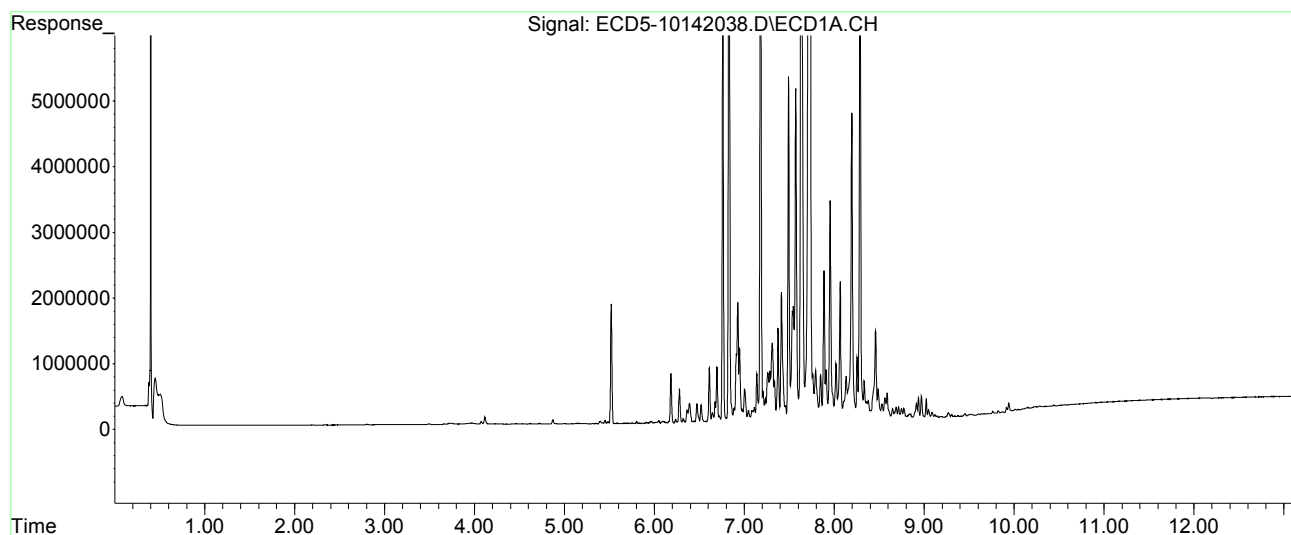
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 23:32
Operator : MJB
Sample : 0J14056-CALO
Misc : A20F061, CHLOR 100 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:16:51 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:49
 Operator : MJB
 Sample : 0J14056-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:59 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.909f	19486	4352806	0.080	14.053 #
22) S DCBP (S)	9.825	10.382	74566	7313	0.164	BelowCal #
Target Compounds						
2) a-BHC	6.100f	6.498f	61213	1233548	0.197	3.129 #
3) g-BHC	6.438	6.796	50070	605261	0.190	1.811 #
4) b-BHC	6.520	6.886f	527083	1946656	4.485	12.830 #
5) Heptachlor	6.829	7.156	22568591	29573454	89.138	104.565
6) d-BHC	6.645	7.095	259868	183571	0.949	0.402 #
7) Aldrin	7.046f	7.428	335566	328447	1.265	1.077
8) Heptachlo...	7.541	7.870	3442040	1528339	14.095	5.603 #
9) trans-Chl...	7.632	7.993	54827973	77172780	215.778	272.889 #
10) cis-Chlor...	7.726	8.100	57325465	63019054	235.786	234.882
11) Endosulfa...	7.847	8.163	1406978	1097696	6.155	4.344 #
12) 4,4'-DDE	7.790	8.197	1495074	1555871	5.754	5.334
13) Dieldrin	8.019	8.348	1670671	5889325	6.621	20.934 #
14) Endrin	8.195	8.569	9389932	1321863	50.920	6.767 #
15) 4,4'-DDD	8.195	8.617	9389932	11341058	42.986	48.562
16) Endosulfa...	8.333	8.706	1160485	1338892	5.568	5.831
17) 4,4'-DDT	0.000	8.828	0	1054916	N.D.	5.540 #
18) Endrin Al...	8.647	8.978f	291056	3076870	1.154	14.798 #
19) Endosulfa...	8.934	9.165f	598694	305314	3.002	1.323 #
20) Methoxychlor	8.746	9.300	293158	96779	2.844	1.001 #
21) Endrin Ke...	9.120	9.534	88146	565294	0.360	2.275 #
23) Hexachlor...	3.385	0.000	927	0	4770.104	N.D. #
24) Hexachlor...	5.961	6.303f	74213	133189	0.111	0.259 #
25) Oxychlorane	7.491f	7.766f	10512519	668817	54.451	2.786 #
26) 2,4'-DDE	7.541	7.993	3442040	77172780	22.054	397.812 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:49
 Operator : MJB
 Sample : 0J14056-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:16:59 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.726	8.060	57325465	54841519	243.646	196.769
28)	2,4'-DDD	7.884f	8.348	4477336	5889325	32.133	38.356
29)	2,4'-DDT	8.064f	8.569	4340278	1321863	31.112	9.253 #
30)	cis-Nonac...	8.195	8.617	9389932	11341058	38.700	41.375
31)	Mirex	8.848f	9.534	131144	565294	0.554	3.442 #
32)	Chlordane...	7.632	7.993	54827973	77172780	2000.889	2178.095
33)	Chlordane...	7.726	8.100	57325465	63019054	2050.922	2183.549
34)	Chlordane...	8.286	8.752	16167597	18198924	2002.599	1971.647
35)	Chlordane...	3.966f	3.924	17327	13859	NoCal	NoCal
36)	Toxaphene...	7.726	8.348	57325465	5889325	21641.268	2151.734 #
37)	Toxaphene...	8.019	8.669	1670671	1835166	769.258	556.230 #
38)	Toxaphene...	8.333	8.706	1160485	1338892	268.534	280.738
39)	Toxaphene...	8.562	8.752f	626715	18198924	138.938	2294.527 #
40)	Toxaphene...	8.775f	8.978f	302354	3076870	85.074	643.766 #
41)	Toxaphene...	8.848f	9.329	131144	116830	31.883	24.873
42)	Toxaphene...	3.966f	3.924	17327	13859	NoCal	NoCal

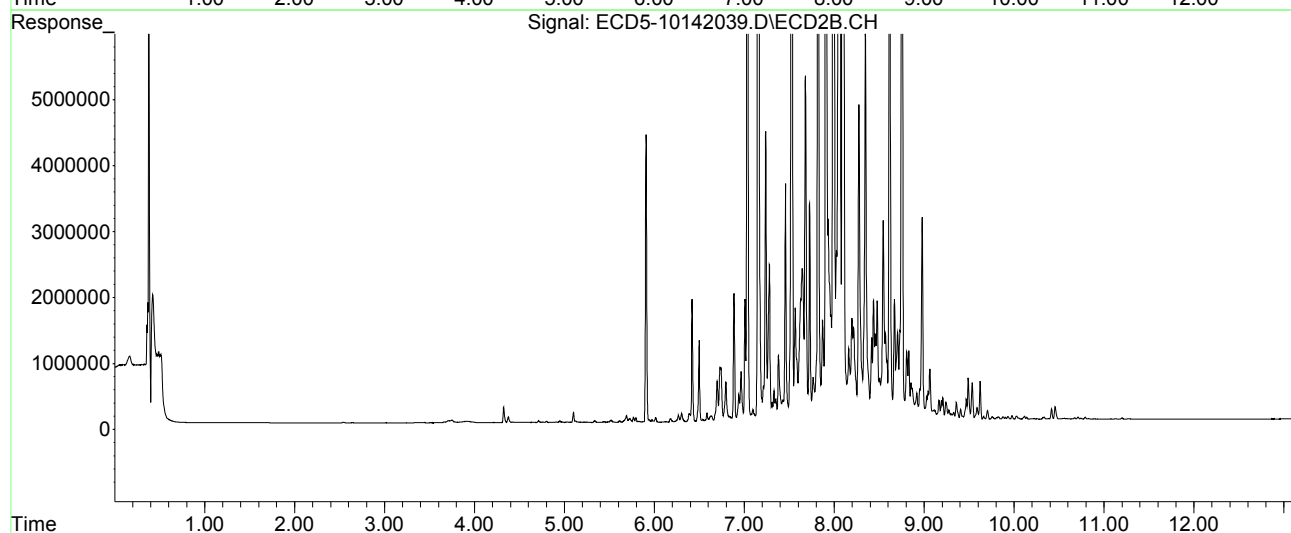
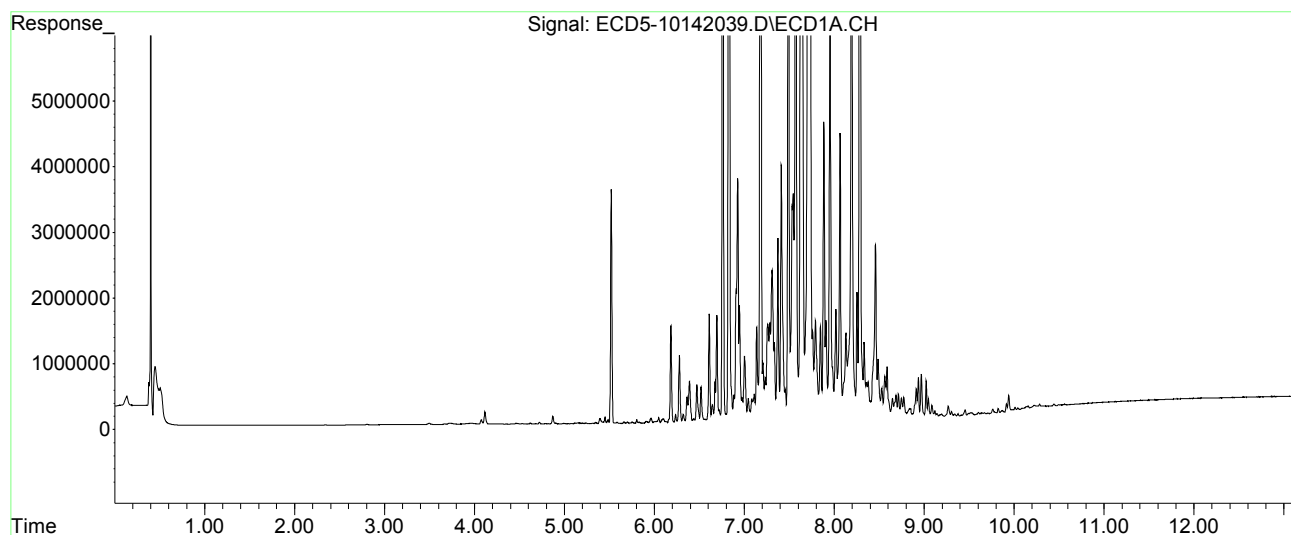
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 23:49
Operator : MJB
Sample : 0J14056-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:16:59 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:41
 Operator : MJB
 Sample : 0J14056-CALQ
 Misc : A20J233, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:17:30 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.519	0.000	1760	0	5685.420	N.D. #
5) Heptachlor	6.841	0.000	2805	0	0.011	N.D. #
6) d-BHC	6.669	7.100	5440	6552	0.020	BelowCal #
7) Aldrin	7.078	7.458f	2213	31576	0.008	0.104 #
8) Heptachlo...	7.548	7.855	8236	6449	0.034	0.024 #
9) trans-Chl...	7.627	8.006	28150	28164	0.111	0.100
10) cis-Chlor...	7.719	8.129f	12555	6843	0.052	0.026 #
11) Endosulfa...	7.844	8.161	15132	9160	0.066	0.036 #
12) 4,4'-DDE	7.763	8.189	9663	9315	0.037	0.032
13) Dieldrin	8.012	8.327f	24856	29330	0.099	0.104
14) Endrin	8.211f	8.569	34773	25903	0.189	0.133 #
15) 4,4'-DDD	8.211	8.617	34773	26768	0.159	0.115 #
16) Endosulfa...	8.332	8.708	47042	55840	0.226	0.243
17) 4,4'-DDT	8.407	8.836	44015	22742	0.221	0.119 #
18) Endrin Al...	8.656f	8.953	25855	56924	6021.093	BelowCal #
19) Endosulfa...	8.939	9.146	27910	35635	BelowCal	BelowCal
20) Methoxychlor	8.727	9.322	23025	53664	0.045	0.555 #
21) Endrin Ke...	9.142	9.533	20120	19209	0.082	0.077
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.970	0.000	8390	0	BelowCal	N.D.
25) Oxychlorane	7.471	7.802	16256	8543	BelowCal	0.036
26) 2,4'-DDE	7.514	7.978	11839	8604	20649.323	0.044 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:41
 Operator : MJB
 Sample : 0J14056-CALQ
 Misc : A20J233, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:17:30 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.719	8.040f	12555	12453	BelowCal	0.045
28)	2,4'-DDD	7.934f	8.368	14620	12816	BelowCal	BelowCal
29)	2,4'-DDT	8.077	8.569	21490	25903	BelowCal	BelowCal
30)	cis-Nonac...	8.211	8.617	34773	26768	BelowCal	BelowCal
31)	Mirex	8.873	9.533	45002	19209	BelowCal	BelowCal
32)	Chlordane...	7.627	8.006	28150	28164	1.027	0.795
33)	Chlordane...	7.719	8.129f	12555	6843	0.449	0.237 #
34)	Chlordane...	8.275	8.774f	13743	90741	1.702	7.668 #
35)	Chlordane...	3.969f	3.928	15766	10284	NoCal	NoCal
36)	Toxaphene...	7.719	8.327	12555	29330	10.065	10.716
37)	Toxaphene...	8.012	8.675	24856	35277	11.445	10.692
38)	Toxaphene...	8.332	8.708	47042	55840	10.885	11.709
39)	Toxaphene...	8.569	8.774	49818	90741	11.044	11.441
40)	Toxaphene...	8.802	8.953	36261	56924	10.203	11.910
41)	Toxaphene...	8.873	9.322	45002	53664	10.941	11.425
42)	Toxaphene...	3.969f	3.928	15766	10284	NoCal	NoCal

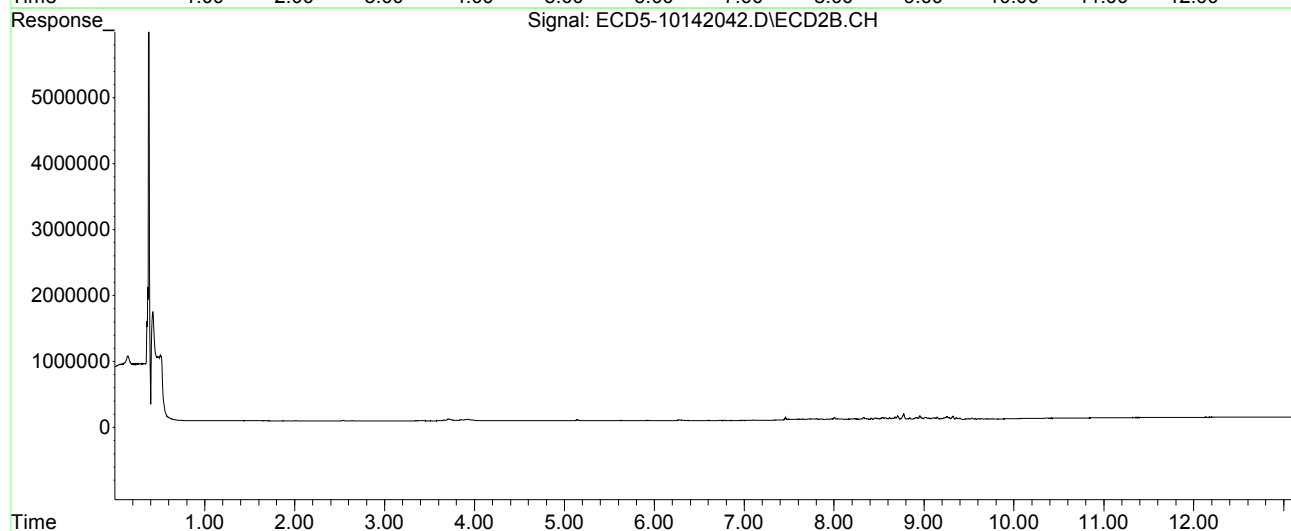
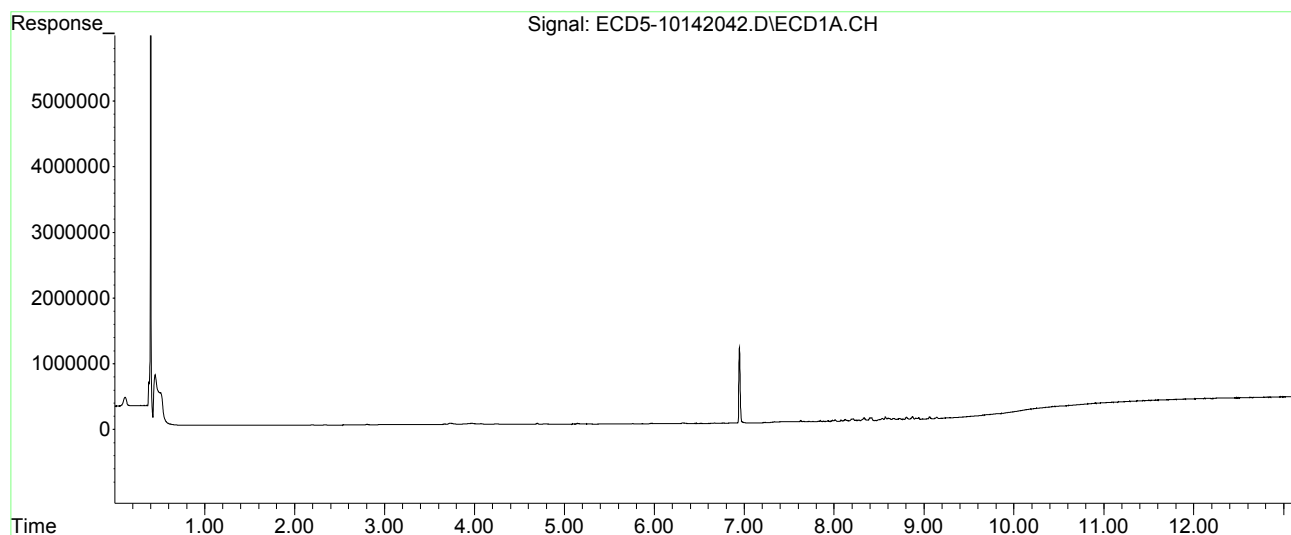
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 0:41
Operator : MJB
Sample : 0J14056-CALQ
Misc : A20J233, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:17:30 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:58
 Operator : MJB
 Sample : 0J14056-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:17:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.124	0.000	2169	0	0.007	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.547f	0.000	2268	0	5685.415	N.D. #
5) Heptachlor	6.834	0.000	3547	0	0.014	N.D. #
6) d-BHC	6.670	7.101	4439	4326	0.016	BelowCal #
7) Aldrin	7.079	7.458f	5628	17499	0.021	0.057 #
8) Heptachlo...	7.549	7.855	10359	37897	0.042	0.139 #
9) trans-Chl...	7.619	7.978	25022	45866	0.098	0.162 #
10) cis-Chlor...	7.717	8.085	47028	50460	0.193	0.188
11) Endosulfa...	7.843	8.161	66847	60052	0.292	0.238
12) 4,4'-DDE	7.763	8.189	36811	63743	0.142	0.219 #
13) Dieldrin	8.011	8.327	108189	143205	0.429	0.509
14) Endrin	8.194	8.568	141155	128803	0.765	0.659
15) 4,4'-DDD	8.194	8.621	141155	84820	0.646	0.363 #
16) Endosulfa...	8.330	8.707	213060	234274	1.022	1.020
17) 4,4'-DDT	8.414	8.835	187554	92907	0.940	0.488 #
18) Endrin Al...	8.655f	8.952	127354	231691	0.300	0.819 #
19) Endosulfa...	8.935	9.145	77079	93779	0.182	0.257 #
20) Methoxychlor	8.726	9.322	117642	228420	1.026	2.363 #
21) Endrin Ke...	9.124	9.543	46567	26731	0.190	0.108 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.470	7.771	36726	26687	BelowCal	0.111
26) 2,4'-DDE	7.514	7.978	23277	45866	20649.249	0.236 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:58
 Operator : MJB
 Sample : 0J14056-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:17:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.717	8.041f	47028	67072	0.003	0.241	#
28)	2,4'-DDD	7.933f	8.368	69167	77102	0.265	0.260	
29)	2,4'-DDT	8.076	8.568	108875	128803	0.555	0.684	
30)	cis-Nonac...	8.194	8.621	141155	84820	0.369	0.092	#
31)	Mirex	8.871	9.543f	200646	26731	1.032	BelowCal	#
32)	Chlordane...	7.619	7.978	25022	45866	0.913	1.295	#
33)	Chlordane...	7.717	8.085	47028	50460	1.683	1.748	
34)	Chlordane...	8.274	8.774f	78949	377227	9.779	43.595	#
35)	Chlordane...	3.974f	3.935	13838	10812	NoCal	NoCal	
36)	Toxaphene...	7.717	8.327	47028	143205	48.339	52.321	
37)	Toxaphene...	8.011	8.675	108189	167605	49.815	50.800	
38)	Toxaphene...	8.330	8.707	213060	234274	49.302	49.122	
39)	Toxaphene...	8.568	8.774	219607	377227	48.685	47.561	
40)	Toxaphene...	8.802	8.952	170790	231691	48.056	48.476	
41)	Toxaphene...	8.871	9.322	200646	228420	48.780	48.631	
42)	Toxaphene...	0.000	3.935	0	10812	N.D.	NoCal	

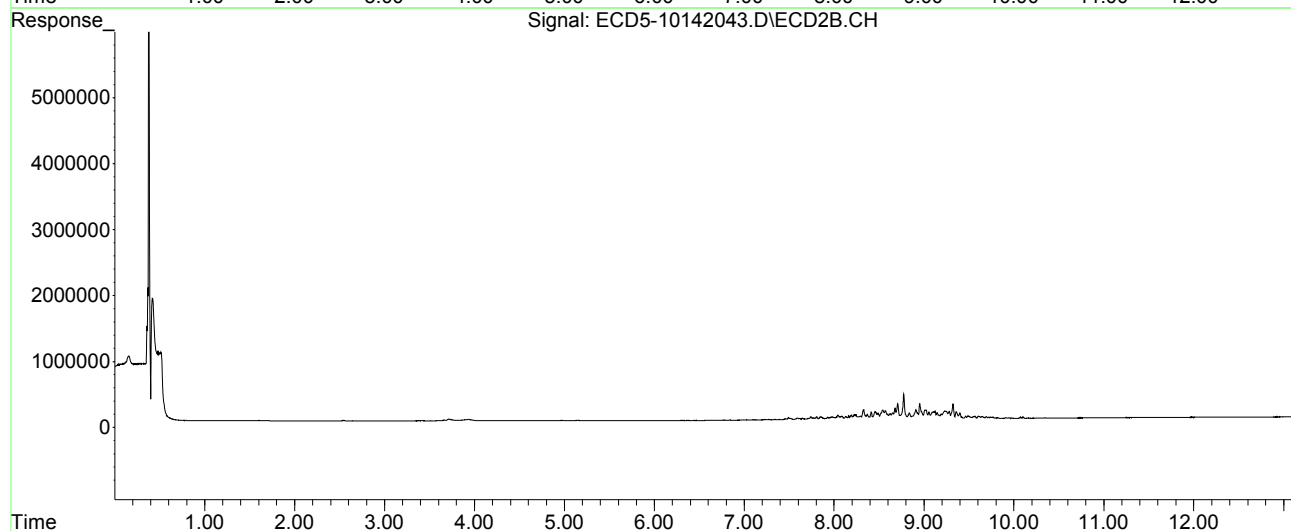
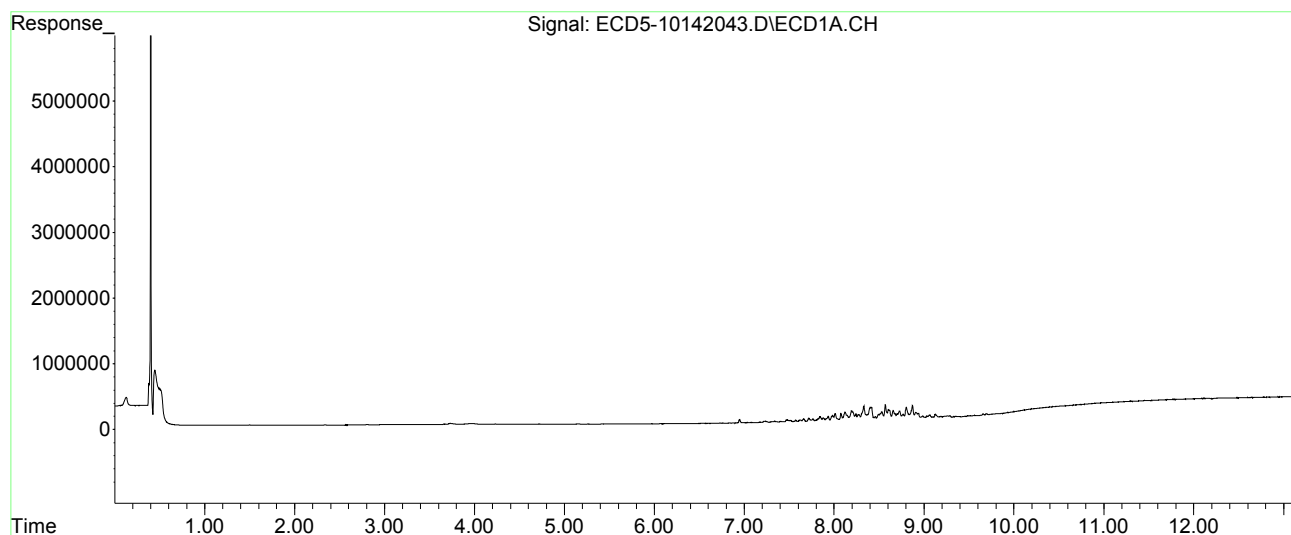
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 0:58
Operator : MJB
Sample : 0J14056-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:17:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:15
 Operator : MJB
 Sample : 0J14056-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:17:57 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.818	10.379	34633	8377	BelowCal	BelowCal
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.432	0.000	2202	0	0.008	N.D. #
4) b-BHC	6.493	0.000	4612	0	5685.395	N.D. #
5) Heptachlor	6.832	7.130f	7248	7929	0.029	0.028
6) d-BHC	6.668	7.101	8748	9311	0.032	BelowCal #
7) Aldrin	7.076	7.390f	8538	12131	0.032	0.040
8) Heptachlo...	7.511f	7.854	48041	88414	0.197	0.324 #
9) trans-Chl...	7.620	8.005	69370	89351	0.273	0.316
10) cis-Chlor...	7.715	8.084	94938	100935	0.390	0.376
11) Endosulfa...	7.842	8.162	133972	117427	0.586	0.465
12) 4,4'-DDE	7.762	8.189	73757	122368	0.284	0.420 #
13) Dieldrin	8.011	8.328	219547	274596	0.870	0.976
14) Endrin	8.193	8.569	281770	256876	1.528	1.315
15) 4,4'-DDD	8.193	8.621	281770	201623	1.290	0.863 #
16) Endosulfa...	8.330	8.708	431516	467877	2.071	2.038
17) 4,4'-DDT	8.414	8.834	400259	189917	2.006	0.997 #
18) Endrin Al...	8.655f	8.953	260591	453357	0.995	1.915 #
19) Endosulfa...	8.934	9.145	166729	192486	0.667	0.755
20) Methoxychlor	8.725	9.323	247323	432629	2.369	4.475 #
21) Endrin Ke...	9.124	9.543	101001	59566	0.413	0.240 #
23) Hexachlor...	3.384	3.586	7235	7567	4770.076	0.021 #
24) Hexachlor...	5.974	0.000	15376	0	BelowCal	N.D.
25) Oxychlorane	7.469	7.771	76428	55760	0.146	0.232 #
26) 2,4'-DDE	7.511	7.978	48041	95933	0.085	0.495 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:15
 Operator : MJB
 Sample : 0J14056-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:17:57 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.715	8.040f	94938	131982	0.220	0.474	#
28)	2,4'-DDD	7.932f	8.368	151815	153639	0.864	0.781	
29)	2,4'-DDT	8.075	8.569	221953	256876	1.379	1.614	
30)	cis-Nonac...	8.193	8.621	281770	201623	0.956	0.542	#
31)	Mirex	8.871	9.543f	399552	59566	2.401	0.037	#
32)	Chlordane...	7.620	8.005	69370	89351	2.532	2.522	
33)	Chlordane...	7.715	8.084	94938	100935	3.397	3.497	
34)	Chlordane...	8.272	8.774f	190135	752568	23.551	90.350	#
35)	Chlordane...	3.964f	3.914	12592	13933	NoCal	NoCal	
36)	Toxaphene...	7.715	8.328	94938	274596	101.100	100.327	
37)	Toxaphene...	8.011	8.675	219547	335190	101.090	101.594	
38)	Toxaphene...	8.330	8.708	431516	467877	99.852	98.104	
39)	Toxaphene...	8.568	8.774	442500	752568	98.099	94.884	
40)	Toxaphene...	8.801	8.953	346542	453357	97.507	94.855	
41)	Toxaphene...	8.871	9.323	399552	432629	97.137	92.107	
42)	Toxaphene...	3.964f	3.914	12592	13933	NoCal	NoCal	

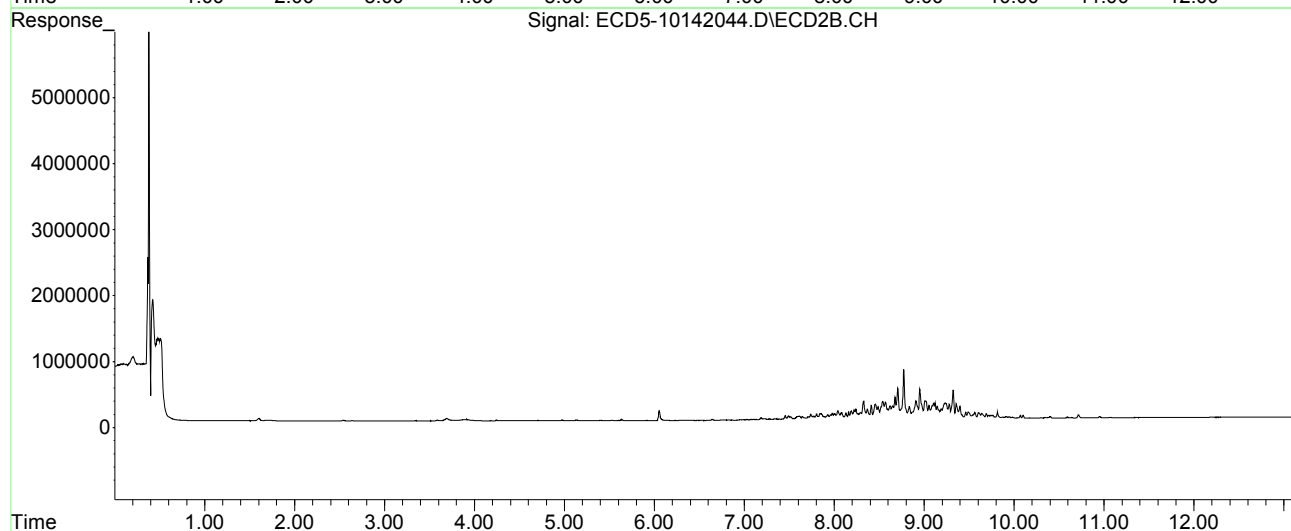
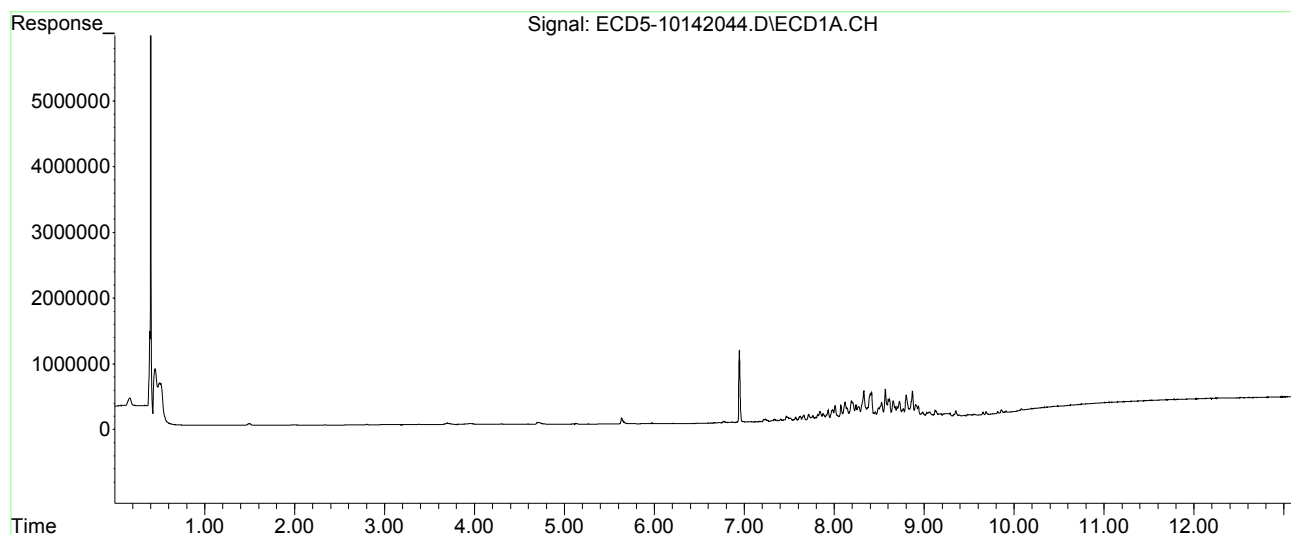
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 1:15
Operator : MJB
Sample : 0J14056-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:17:57 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:33
 Operator : MJB
 Sample : 0J14056-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:18:07 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.816	10.348	20434	19827	BelowCal	BelowCal
Target Compounds						
2) a-BHC	6.141	6.473	4039	10126	0.013	0.026 #
3) g-BHC	0.000	6.773	0	17564	N.D.	0.053 #
4) b-BHC	6.495	6.838	7618	18426	5685.368	0.121 #
5) Heptachlor	6.835	7.172	14944	25739	0.059	0.091 #
6) d-BHC	6.670	7.101	11958	29023	0.044	BelowCal #
7) Aldrin	7.034f	7.390f	25637	39695	0.097	0.130 #
8) Heptachlo...	7.573f	7.855	113122	150440	0.463	0.552
9) trans-Chl...	7.618	8.007	102122	237761	0.402	0.841 #
10) cis-Chlor...	7.717	8.083	178948	188945	0.736	0.704
11) Endosulfa...	7.843	8.161	251646	218533	1.101	0.865
12) 4,4'-DDE	7.762	8.188	150965	221009	0.581	0.758 #
13) Dieldrin	8.010	8.368f	399138	273115	1.582	0.971 #
14) Endrin	8.195f	8.568	499582	452342	2.709	2.316
15) 4,4'-DDD	8.195	8.622	499582	297628	2.287	1.274 #
16) Endosulfa...	8.329	8.707	785098	849986	3.767	3.702
17) 4,4'-DDT	8.407	8.834	676222	338770	3.389	1.779 #
18) Endrin Al...	8.608f	8.952	494971	841042	2.217	3.830 #
19) Endosulfa...	0.000	9.145	0	332390	N.D.	1.459 #
20) Methoxychlor	8.725	9.322	459326	844436	4.564	8.734 #
21) Endrin Ke...	9.126	9.565f	180048	162708	0.735	0.655
23) Hexachlor...	3.383	3.584	8313	9094	4770.071	0.025 #
24) Hexachlor...	5.971	6.365f	30856	9817	BelowCal	BelowCal
25) Oxychlorane	7.472	7.802	130930	172778	0.434	0.720 #
26) 2,4'-DDE	0.000	7.977	0	175521	N.D.	0.905 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:33
 Operator : MJB
 Sample : 0J14056-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:18:07 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.717	8.040f	178948	245455	0.600	0.881	#
28)	2,4'-DDD	7.932f	8.368	280068	273115	1.794	1.592	
29)	2,4'-DDT	8.076	8.568	414767	452342	2.784	3.028	
30)	cis-Nonac...	8.195	8.622	499582	297628	1.864	0.911	#
31)	Mirex	8.870	9.491f	764046	178847	4.909	0.842	#
32)	Chlordane...	7.618	8.007	102122	237761	3.727	6.710	#
33)	Chlordane...	7.717	8.083	178948	188945	6.402	6.547	
34)	Chlordane...	8.272	8.774f	314531	1427424	38.959	173.546	#
35)	Chlordane...	3.969f	3.923	14998	13211	NoCal	NoCal	
36)	Toxaphene...	7.717	8.326	178948	511160	192.441	186.758	
37)	Toxaphene...	8.010	8.675	399138	594557	183.782	180.207	
38)	Toxaphene...	8.329	8.707	785098	849986	181.670	178.224	
39)	Toxaphene...	8.568	8.774	806552	1427424	178.807	179.970	
40)	Toxaphene...	8.803	8.952	636088	841042	178.977	175.969	
41)	Toxaphene...	8.870	9.322	764046	844436	185.750	179.782	
42)	Toxaphene...	0.000	3.923	0	13211	N.D.	NoCal	

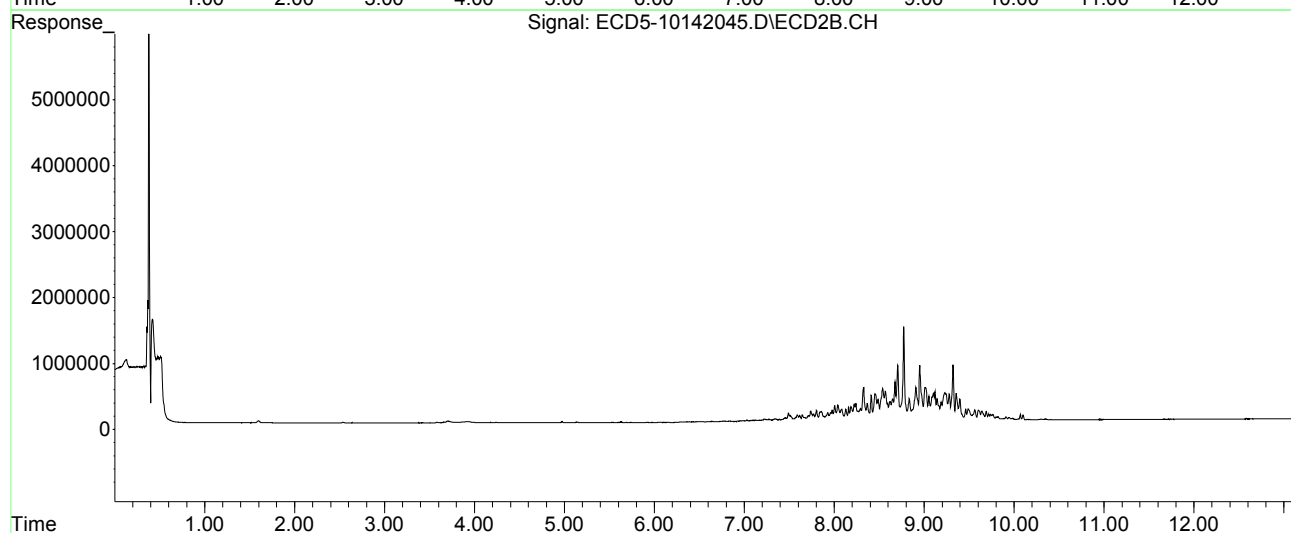
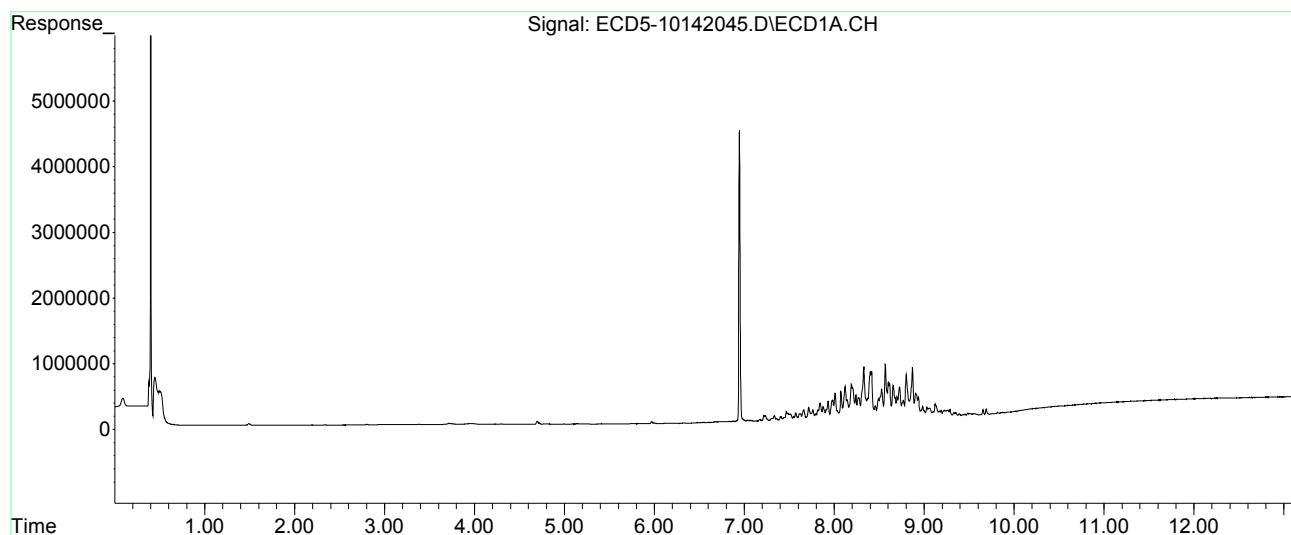
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 1:33
Operator : MJB
Sample : 0J14056-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:18:07 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:50
 Operator : MJB
 Sample : 0J14056-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:18:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	

System Monitoring Compounds							
1) S TCMX (S)	5.604	0.000	2294	0	0.009	N.D.	#
22) S DCBP (S)	9.818	10.350	48322	64119	0.000	0.236	#
Target Compounds							
2) a-BHC	6.141	6.471	7147	6430	0.023	0.016	#
3) g-BHC	6.435	6.775	5285	23863	0.020	0.071	#
4) b-BHC	6.498	6.841	12025	27188	5685.329	0.179	#
5) Heptachlor	6.837	7.170	21450	40168	0.085	0.142	#
6) d-BHC	6.671	7.104	17145	40536	0.063	BelowCal	#
7) Aldrin	7.080	7.391f	52838	61979	0.199	0.203	
8) Heptachlo...	7.550	7.855	169388	336733	0.694	1.235	#
9) trans-Chl...	7.617	7.979	284905	406174	1.121	1.436	#
10) cis-Chlor...	7.717	8.084	483885	439619	1.990	1.639	
11) Endosulfa...	7.843	8.162	679410	526533	2.972	2.084	#
12) 4,4'-DDE	7.764	8.190	398051	569789	1.532	1.954	#
13) Dieldrin	8.012	8.328	1053998	1288935	4.177	4.582	
14) Endrin	8.193	8.570	1428741	1238047	7.748	6.338	
15) 4,4'-DDD	8.193	8.622	1428741	814591	6.541	3.488	#
16) Endosulfa...	8.330	8.708	2095888	2243365	10.057	9.771	
17) 4,4'-DDT	8.414	8.835	1943077	929957	9.739	4.883	#
18) Endrin Al...	8.606f	8.954	1473196	2289232	7.325	10.949	#
19) Endosulfa...	8.907f	9.146	1032547	931448	5.346	4.464	
20) Methoxychlor	8.726	9.323	1314228	2250663	13.391	23.279	#
21) Endrin Ke...	9.125	9.566f	583323	483551	2.383	1.946	
23) Hexachlor...	0.000	3.609f	0	10756	N.D.	0.030	#
24) Hexachlor...	5.980	6.314f	2348	1835	BelowCal	BelowCal	
25) Oxychlorane	7.472	7.772	358221	236460	1.636	0.985	#
26) 2,4'-DDE	7.511	7.979	239290	406174	1.322	2.094	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:50
 Operator : MJB
 Sample : 0J14056-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:18:19 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.717	8.041f	483885	599182	1.977	2.150
28)	2,4'-DDD	7.933f	8.368	739045	702112	5.120	4.495
29)	2,4'-DDT	8.076	8.570	1119078	1238047	7.904	8.658
30)	cis-Nonac...	8.193	8.622	1428741	814591	5.736	2.895 #
31)	Mirex	8.872	9.492f	2040358	527263	13.685	3.186 #
32)	Chlordane...	7.617	7.979	284905	406174	10.397	11.464
33)	Chlordane...	7.717	8.084	483885	439619	17.312	15.232
34)	Chlordane...	8.273	8.775f	904654	3834253	112.055	461.732 #
35)	Chlordane...	3.968f	3.928	17289	14710	NoCal	NoCal
36)	Toxaphene...	7.717	8.328	483885	1288935	512.400	470.928
37)	Toxaphene...	8.012	8.676	1053998	1582264	485.312	479.576
38)	Toxaphene...	8.330	8.708	2095888	2243365	484.984	470.387
39)	Toxaphene...	8.569	8.775	2211804	3834253	490.341	483.424
40)	Toxaphene...	8.803	8.954	1826728	2289232	513.991	478.970
41)	Toxaphene...	8.872	9.323	2040358	2250663	496.040	479.170
42)	Toxaphene...	3.968f	3.928	17289	14710	NoCal	NoCal

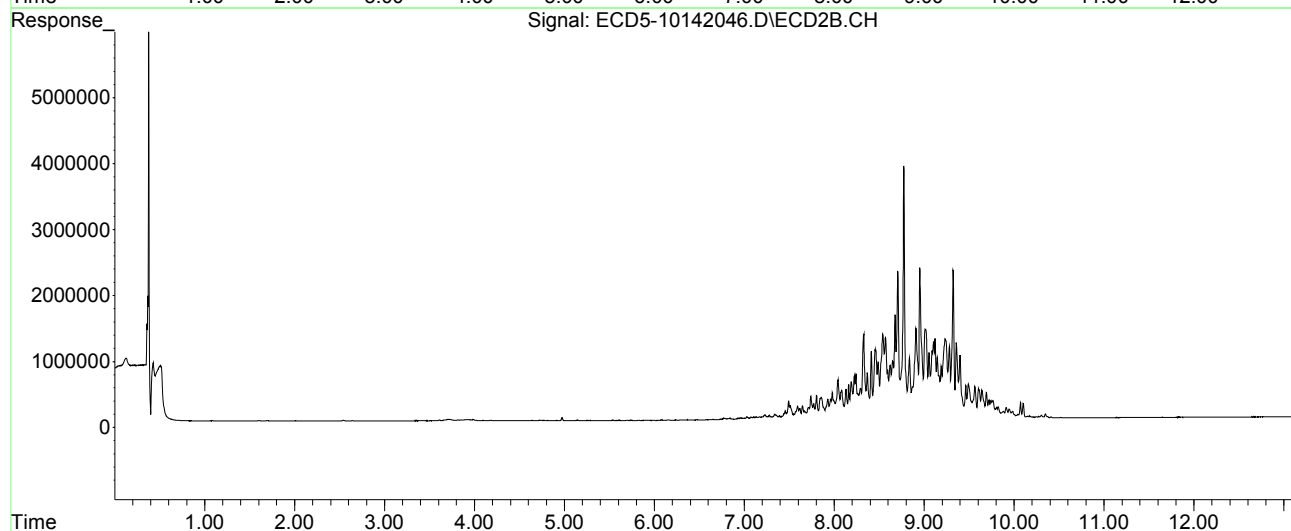
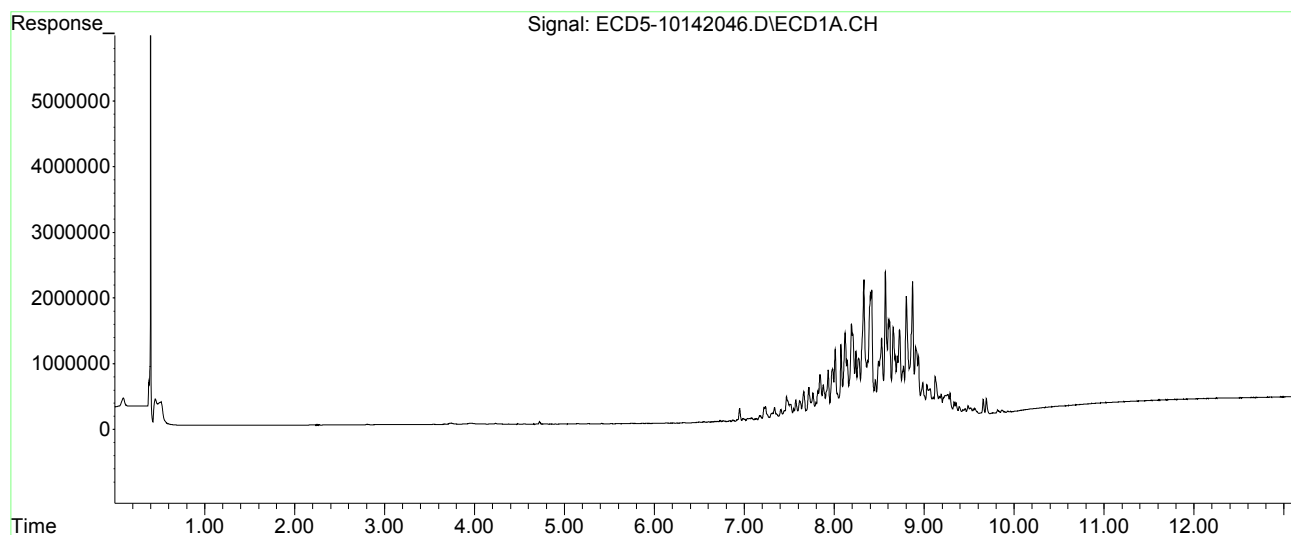
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 1:50
Operator : MJB
Sample : 0J14056-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:18:19 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:07
 Operator : MJB
 Sample : 0J14056-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:18:29 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	

System Monitoring Compounds							
1) S TCMX (S)	5.605f	0.000	3884	0	0.016	N.D.	#
22) S DCBP (S)	9.816	10.349	99914	131291	0.323	0.689	#
Target Compounds							
2) a-BHC	6.142	6.470	12008	17891	0.039	0.045	
3) g-BHC	6.435	6.775	9494	48562	0.036	0.145	#
4) b-BHC	6.499	6.841	20480	57337	5685.254	0.378	#
5) Heptachlor	6.838	7.170	42990	80406	0.170	0.284	#
6) d-BHC	6.671	7.104	31615	76921	0.116	0.056	#
7) Aldrin	7.079	7.391f	109709	118999	0.413	0.390	
8) Heptachlo...	7.548	7.854	353930	679664	1.449	2.492	#
9) trans-Chl...	7.614	7.978	575047	818633	2.263	2.895	#
10) cis-Chlor...	7.715	8.084	1035009	892366	4.257	3.326	
11) Endosulfa...	7.842	8.161	1402060	1067699	6.133	4.225	#
12) 4,4'-DDE	7.762	8.189	809332	1136356	3.115	3.896	#
13) Dieldrin	8.010	8.327	2113258	2707259	8.375	9.623	
14) Endrin	8.192	8.569	2938206	2624439	15.933	13.435	
15) 4,4'-DDD	8.192	8.622	2938206	1718673	13.451	7.359	#
16) Endosulfa...	8.329	8.707	4402201	4734432	21.123	20.621	
17) 4,4'-DDT	8.413	8.834	4143905	1928731	20.770	10.128	#
18) Endrin Al...	8.655f	8.953	2849369	4805037	14.524	23.190	#
19) Endosulfa...	8.934	9.145	1955844	1987251	10.324	9.715	
20) Methoxychlor	8.725	9.322	2787867	4795078	28.524	49.596	#
21) Endrin Ke...	9.124	9.565f	1228129	1026180	5.016	4.130	
23) Hexachlor...	0.000	3.611f	0	10149	N.D.	0.028	#
24) Hexachlor...	5.981	6.335	3354	10174	BelowCal	BelowCal	
25) Oxychlorane	7.471	7.803	707220	714372	3.479	2.976	
26) 2,4'-DDE	7.548	7.978	353930	818633	2.063	4.220	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:07
 Operator : MJB
 Sample : 0J14056-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:18:29 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.715	8.040f	1035009	1191331	4.465	4.274
28)	2,4'-DDD	7.932f	8.368	1534618	1389440	10.880	9.112
29)	2,4'-DDT	8.075	8.569	2305526	2624439	16.491	18.381
30)	cis-Nonac...	8.192	8.622	2938206	1718673	12.015	6.340 #
31)	Mirex	8.871	9.491f	4173509	1099056	28.337	7.014 #
32)	Chlordane...	7.614f	7.978	575047	818633	20.986	23.105
33)	Chlordane...	7.715	8.084	1035009	892366	37.029	30.920
34)	Chlordane...	8.272	8.774f	1864093	8114254	230.896	945.328 #
35)	Chlordane...	3.946	3.913	19368	9726	NoCal	NoCal
36)	Toxaphene...	7.715	8.327	1035009	2707259	1051.336	989.129
37)	Toxaphene...	8.010	8.675	2113258	3275662	973.046	992.837
38)	Toxaphene...	8.329	8.707	4402201	4734432	1018.659	992.712
39)	Toxaphene...	8.567	8.774	4563231	8114254	1011.635	1023.048
40)	Toxaphene...	8.802	8.953	3713660	4805037	1044.921	1005.346
41)	Toxaphene...	8.871	9.322	4173509	4795078	1014.640	1020.879
42)	Toxaphene...	3.946	3.913	19368	9726	NoCal	NoCal

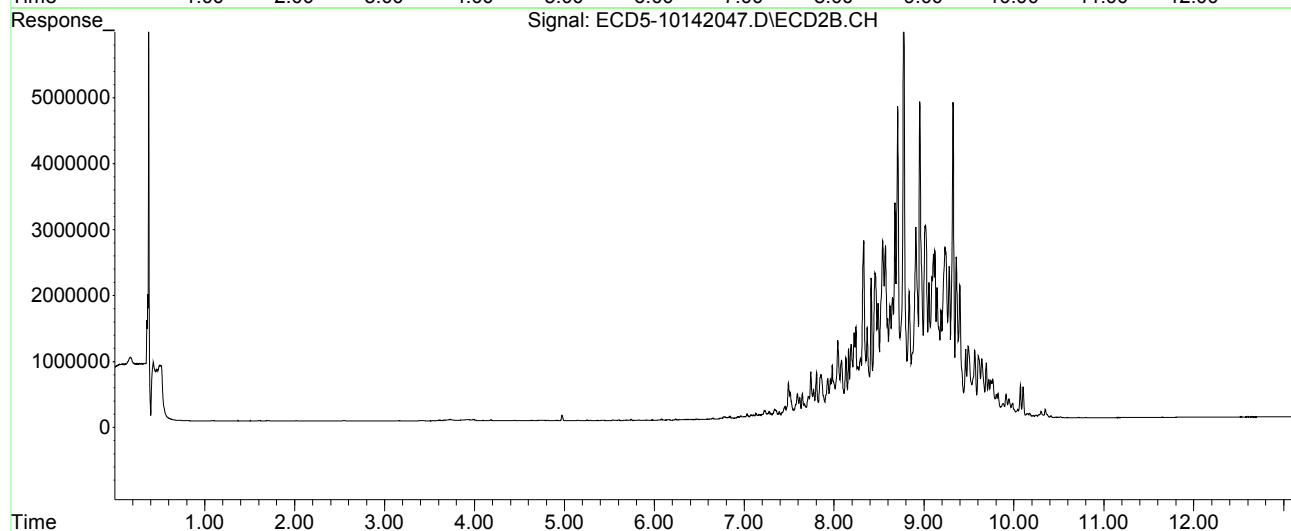
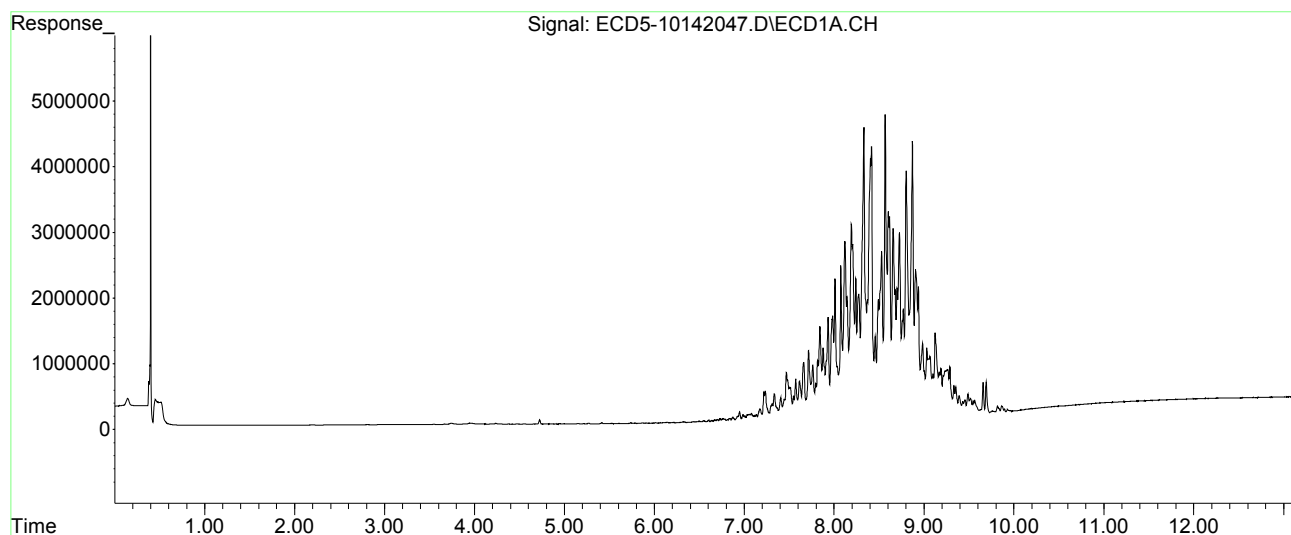
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 2:07
Operator : MJB
Sample : 0J14056-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:18:29 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:24
 Operator : MJB
 Sample : 0J14056-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:18:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.602	5.866	9057	8017	0.037	0.026 #
22) S DCBP (S)	9.816	10.348	211632	275310	1.021	1.661 #
Target Compounds						
2) a-BHC	6.139	6.469	24388	42880	0.078	0.109 #
3) g-BHC	6.432	6.774	23496	107427	0.089	0.321 #
4) b-BHC	6.496	6.839	51531	118768	0.269	0.783 #
5) Heptachlor	6.834	7.167	105322	167832	0.416	0.593 #
6) d-BHC	6.669	7.101	74396	157656	0.272	0.318
7) Aldrin	7.078	7.389f	240078	238988	0.905	0.784
8) Heptachlo...	7.546	7.853	722438	1346224	2.958	4.935 #
9) trans-Chl...	7.612	7.977	1193066	1634370	4.695	5.779
10) cis-Chlor...	7.714	8.082	2060224	1760313	8.474	6.561
11) Endosulfa...	7.841	8.160	2851765	2157821	12.475	8.539 #
12) 4,4'-DDE	7.760	8.187	1650192	2314779	6.351	7.936
13) Dieldrin	8.009	8.366	4281496	2846922	16.968	10.119 #
14) Endrin	8.191	8.568	6014348	5453752	32.615	27.919
15) 4,4'-DDD	8.191	8.620	6014348	3549679	27.533	15.200 #
16) Endosulfa...	8.327	8.706	8901901	9929921	42.714	43.249
17) 4,4'-DDT	8.412	8.833	8358705	3981838	41.896	20.910 #
18) Endrin Al...	8.653f	8.952	5797419	10015855	30.006	48.066 #
19) Endosulfa...	8.905f	9.144	4541238	4183678	24.205	20.466
20) Methoxychlor	8.723	9.321	5704554	10198707	58.177	105.486 #
21) Endrin Ke...	9.123	9.564f	2544196	2152981	10.392	8.665
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.978	6.339	8607	25302	BelowCal	BelowCal
25) Oxychlorane	7.469	7.801	1454623	1429798	7.420	5.957
26) 2,4'-DDE	7.546	7.977	722438	1634370	4.447	8.425 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
 Data File : ECD5-10142048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:24
 Operator : MJB
 Sample : 0J14056-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:18:40 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:11:37 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
27)	trans-Non...	7.714	8.082f	2060224	1760313	9.084	6.316	#
28)	2,4'-DDD	7.930f	8.366	3193844	2846922	22.873	18.766	
29)	2,4'-DDT	8.073	8.568	4667536	5453752	33.451	37.461	
30)	cis-Nonac...	8.191	8.620	6014348	3549679	24.769	13.232	#
31)	Mirex	8.870	9.491f	8420013	2309854	57.444	15.042	#
32)	Chlordane...	7.612f	7.977	1193066	1634370	43.540	46.128	
33)	Chlordane...	7.714	8.082	2060224	1760313	73.708	60.993	
34)	Chlordane...	8.270	8.773f	3850763	16911794	476.975	1847.996	#
35)	Chlordane...	3.943	3.927	23560	14903	NoCal	NoCal	
36)	Toxaphene...	7.714	8.327	2060224	5550124	1951.315	2027.803	
37)	Toxaphene...	8.009	8.674	4281496	6900893	1971.407	2091.626	
38)	Toxaphene...	8.327	8.706	8901901	9929921	2059.880	2082.099	
39)	Toxaphene...	8.566	8.773	9513358	16911794	2109.043	2132.245	
40)	Toxaphene...	8.800	8.952	7646412	10015855	2151.489	2095.591	
41)	Toxaphene...	8.870	9.321	8420013	10198707	2047.025	2171.321	
42)	Toxaphene...	3.943	3.927	23560	14903	NoCal	NoCal	

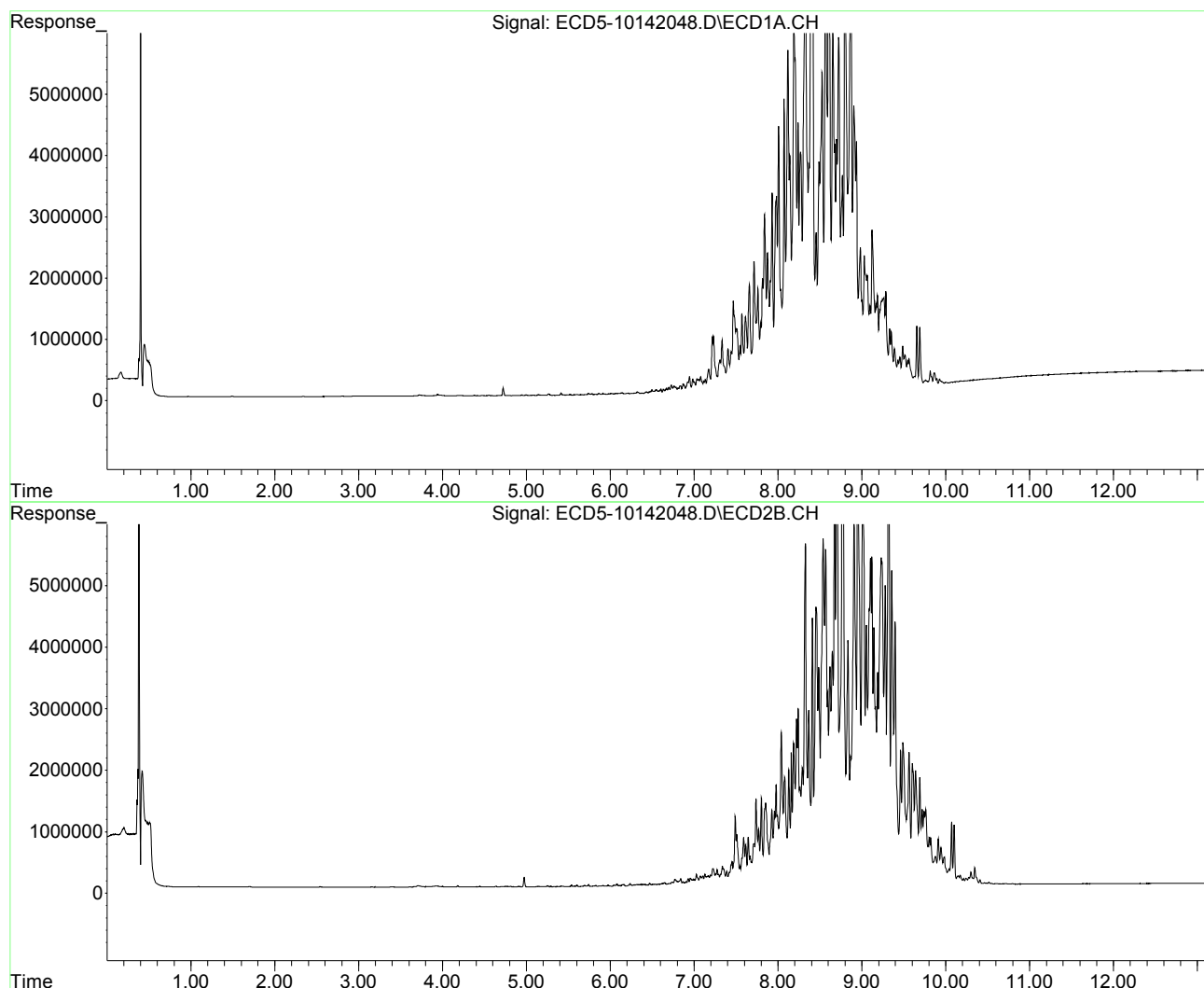
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 2:24
Operator : MJB
Sample : 0J14056-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:18:40 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:11:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0J14056 BKD1
Data File: ECD5-10142009.D

MJB 10/15/20

First Column Area Counts		Percent Breakdown	
DDE	683200		
DDD	5065645		
DDT	188033450	2.97	PASS
Endrin	96763125	14.79	PASS
Endrin Aldehyde	6694153		
Endrin Ketone	10095363		

Second Column Area Counts		Percent Breakdown	
DDE	697785		
DDD	5348236		
DDT	181158345	3.23	PASS
Endrin	100845737	13.06	PASS
Endrin Aldehyde	6810109		
Endrin Ketone	8340338		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 15:12
 Operator : MJB
 Sample : 0J14056-BKD1 MJB 10/15/20
 Misc : A20H479
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 15:27:07 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_201014.M
 Quant Title : Pesticides
 QLast Update : Fri Nov 09 13:28:51 2018
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m x 0.32mm x 0. Signal #2 Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.782	683200	NoCal	ng/mL
2) Endrin	8.179	96763125	NoCal	ng/mL
3) 4,4'-DDD	8.210	5065645	NoCal	ng/mL
4) 4,4'-DDT	8.408	188033450	NoCal	ng/mL
5) Endrin Aldehyde	8.635	6694153	NoCal	ng/mL
6) Endrin Ketone	9.139	10095363	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.204	697785	NoCal	ng/mL
9) Endrin [2C]	8.572	100845737	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.616	5348236	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.952	6810109	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.841	181158345	NoCal	ng/mL
13) Endrin Ketone [2C]	9.533	8340338	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

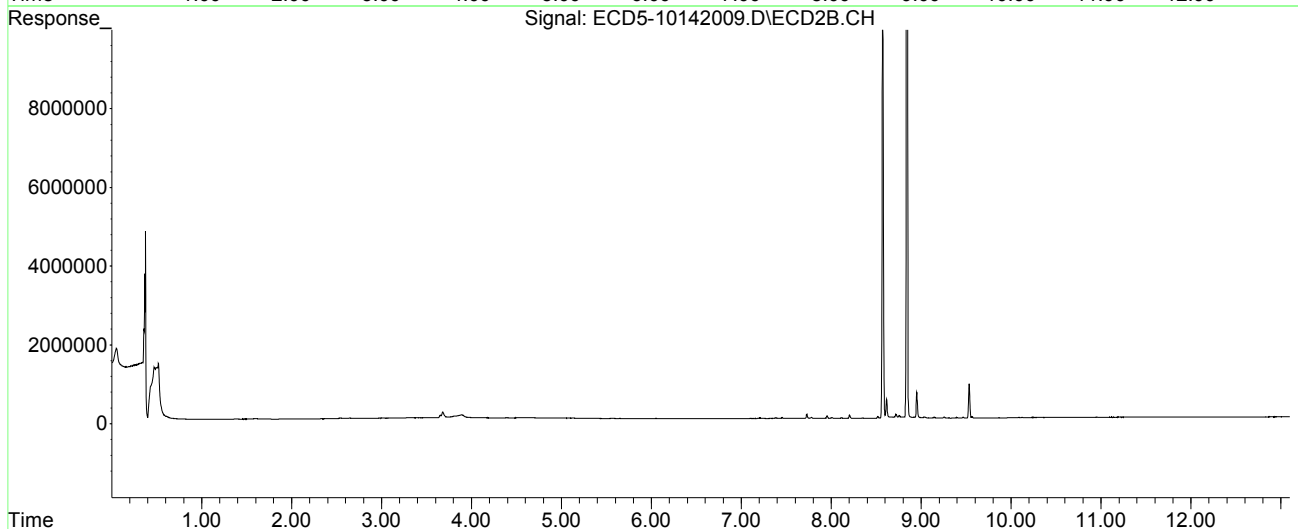
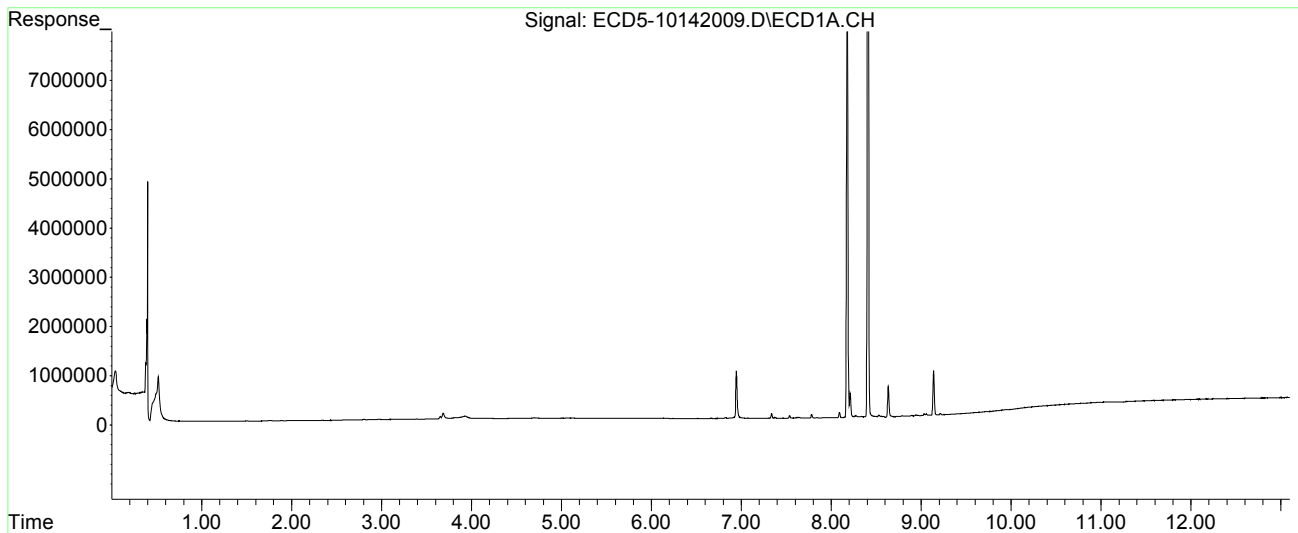
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:12
Operator : MJB
Sample : 0J14056-BKD1
Misc : A20H479
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 15:27:07 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_201014.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m x 0.32mm x 0. Signal #2 Info : 30m x 0.32mm x 0.25um



Sequence Name: C:\msdchem\1\sequence\0J14056.s
Comment: Pesticides
Operator: MJB
Data Path: C:\MSDCHEM\1\DATA\2020-10\0J14056\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run Sequence Barcode Options
(X) Full Method (X) On Mismatch, Inject Anyway
() Reprocessing Only () On Mismatch, Don't Inject
 () Barcode Disabled

Line Sample Name/Misc Info
1) Sample 100 Conditioning Run
 Datafile ECD5-10142001
 Method ECD5_AQUPEST_160111
2) Sample 100 Conditioning Run
 Datafile ECD5-10142002
 Method ECD5_AQUPEST_160111
3) Sample 1 Hexane
 Datafile ECD5-10142003
 Method ECD5_AQUPEST_160111
4) Sample 2 0J14056-BKD1
 Datafile ECD5-10142004
 Method ECD5_AQUPEST_160111
5) Sample 3 0J14056-ICB1
 Datafile ECD5-10142005
 Method ECD5_AQUPEST_160111
6) Sample 4 0J14056-CAL1
 Datafile ECD5-10142006
 Method ECD5_AQUPEST_160111
7) Sample 1 Hexane
 Datafile ECD5-10142007
 Method ECD5_AQUPEST_160111
8) Sample 1 Hexane
 Datafile ECD5-10142008
 Method ECD5_AQUPEST_160111
9) Sample 2 0J14056-BKD1
 Datafile ECD5-10142009
 Method ECD5_AQUPEST_160111
10) Sample 3 0J14056-ICB1
 Datafile ECD5-10142010
 Method ECD5_AQUPEST_160111
11) Sample 4 0J14056-CAL1
 Datafile ECD5-10142011
 Method ECD5_AQUPEST_160111
12) Sample 5 0J14056-CAL2
 Datafile ECD5-10142012
 Method ECD5_AQUPEST_160111
13) Sample 6 0J14056-CAL3
 Datafile ECD5-10142013
 Method ECD5_AQUPEST_160111
14) Sample 7 0J14056-CAL4

BKD failed. Cut about 5 inches off guard column.

MJB 10/15/20

	Datafile		ECD5-10142014
	Method		ECD5_AQUPEST_160111
15)	Sample	8	0J14056-CAL5
	Datafile		ECD5-10142015
	Method		ECD5_AQUPEST_160111
16)	Sample	9	0J14056-CAL6
	Datafile		ECD5-10142016
	Method		ECD5_AQUPEST_160111
17)	Sample	10	0J14056-CAL7
	Datafile		ECD5-10142017
	Method		ECD5_AQUPEST_160111
18)	Sample	11	0J14056-CAL8
	Datafile		ECD5-10142018
	Method		ECD5_AQUPEST_160111
19)	Sample	12	0J14056-CAL9
	Datafile		ECD5-10142019
	Method		ECD5_AQUPEST_160111
20)	Sample	1	0J14056-IBL1
	Datafile		ECD5-10142020
	Method		ECD5_AQUPEST_160111
21)	Sample	13	0J14056-ICV1
	Datafile		ECD5-10142021
	Method		ECD5_AQUPEST_160111
22)	Sample	14	0J14056-CALA
	Datafile		ECD5-10142022
	Method		ECD5_AQUPEST_160111
23)	Sample	15	0J14056-CALB
	Datafile		ECD5-10142023
	Method		ECD5_AQUPEST_160111
24)	Sample	16	0J14056-CALC
	Datafile		ECD5-10142024
	Method		ECD5_AQUPEST_160111
25)	Sample	17	0J14056-CALD
	Datafile		ECD5-10142025
	Method		ECD5_AQUPEST_160111
26)	Sample	18	0J14056-CALE
	Datafile		ECD5-10142026
	Method		ECD5_AQUPEST_160111
27)	Sample	19	0J14056-CALF
	Datafile		ECD5-10142027
	Method		ECD5_AQUPEST_160111
28)	Sample	20	0J14056-CALG
	Datafile		ECD5-10142028
	Method		ECD5_AQUPEST_160111
29)	Sample	21	0J14056-CALH
	Datafile		ECD5-10142029
	Method		ECD5_AQUPEST_160111
30)	Sample	22	0J14056-CALI
	Datafile		ECD5-10142030
	Method		ECD5_AQUPEST_160111
31)	Sample	1	0J14056-IBL2
	Datafile		ECD5-10142031
	Method		ECD5_AQUPEST_160111
32)	Sample	23	0J14056-ICV2
	Datafile		ECD5-10142032
	Method		ECD5_AQUPEST_160111

33) Sample	24	0J14056-CALJ
Datafile		ECD5-10142033
Method		ECD5_AQUPEST_160111
34) Sample	25	0J14056-CALK
Datafile		ECD5-10142034
Method		ECD5_AQUPEST_160111
35) Sample	26	0J14056-CALL
Datafile		ECD5-10142035
Method		ECD5_AQUPEST_160111
36) Sample	27	0J14056-CALM
Datafile		ECD5-10142036
Method		ECD5_AQUPEST_160111
37) Sample	28	0J14056-CALN
Datafile		ECD5-10142037
Method		ECD5_AQUPEST_160111
38) Sample	29	0J14056-CALO
Datafile		ECD5-10142038
Method		ECD5_AQUPEST_160111
39) Sample	30	0J14056-CALP
Datafile		ECD5-10142039
Method		ECD5_AQUPEST_160111
40) Sample	1	0J14056-IBL3
Datafile		ECD5-10142040
Method		ECD5_AQUPEST_160111
41) Sample	31	0J14056-ICV3
Datafile		ECD5-10142041
Method		ECD5_AQUPEST_160111
42) Sample	32	0J14056-CALQ
Datafile		ECD5-10142042
Method		ECD5_AQUPEST_160111
43) Sample	33	0J14056-CALR
Datafile		ECD5-10142043
Method		ECD5_AQUPEST_160111

Sequence Name: C:\msdchem\1\sequence\0J14056.s

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	34	0J14056-CALS		
	Datafile		ECD5-10142044		
	Method		ECD5_AQUPEST_160111		
45)	Sample	35	0J14056-CALT		
	Datafile		ECD5-10142045		
	Method		ECD5_AQUPEST_160111		
46)	Sample	36	0J14056-CALU		
	Datafile		ECD5-10142046		
	Method		ECD5_AQUPEST_160111		
47)	Sample	37	0J14056-CALV		
	Datafile		ECD5-10142047		
	Method		ECD5_AQUPEST_160111		
48)	Sample	38	0J14056-CALW		
	Datafile		ECD5-10142048		
	Method		ECD5_AQUPEST_160111		
49)	Sample	1	0J14056-IBL4		
	Datafile		ECD5-10142049		
	Method		ECD5_AQUPEST_160111		
50)	Sample	39	0J14056-ICV4		
	Datafile		ECD5-10142050		
	Method		ECD5_AQUPEST_160111		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 15:47
 Operator : MJB
 Sample : 0J14056-CAL1
 Misc : A20J229, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:48:11 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.872	140529	170319	0.681	0.520
22) S DCBP (S)	9.806	10.368	127242	102135	0.649	0.485 #
Target Compounds						
2) a-BHC	6.140	6.468	167796	193976	0.609	0.457
3) g-BHC	6.430	6.785	140254	169378	0.588	0.437 #
4) b-BHC	6.512	6.853	76860	90501	0.589	0.509
5) Heptachlor	6.830	7.158	141918	155482	0.742	0.466 #
6) d-BHC	6.664	7.099	153083	218781	0.645	0.703
7) Aldrin	7.073	7.421	143946	154585	0.616	0.378 #
8) Heptachlo...	7.543	7.855	140794	142572	0.664	0.407 #
9) trans-Chl...	7.635	7.995	144465	150441	0.645	0.401 #
10) cis-Chlor...	7.732	8.101	137544	143168	0.630	0.398 #
11) Endosulfa...	7.837	8.150	128922	135108	0.667	0.424 #
12) 4,4'-DDE	7.781	8.204	142374	148799	0.637	0.469 #
13) Dieldrin	8.009	8.349	138131	151375	0.655	0.435 #
14) Endrin	8.179	8.571	105277	109506	0.684	0.460 #
15) 4,4'-DDD	8.210	8.616	123211	129395	0.678	0.494 #
16) Endosulfa...	8.340	8.717	126564	131578	0.784	0.507 #
17) 4,4'-DDT	8.407	8.839	113864	98085	0.991	0.688 #
18) Endrin Al...	8.634	8.951	161066	161530	1.164	0.704 #
19) Endosulfa...	8.938	9.144	136316	143250	0.829	0.621 #
20) Methoxychlor	8.741	9.305	66721	56609	1.023	0.690 #
21) Endrin Ke...	9.139	9.532	143156	141257	0.794	0.593 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 15:47
 Operator : MJB
 Sample : 0J14056-CAL1
 Misc : A20J229, AB 0.5 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:48:11 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

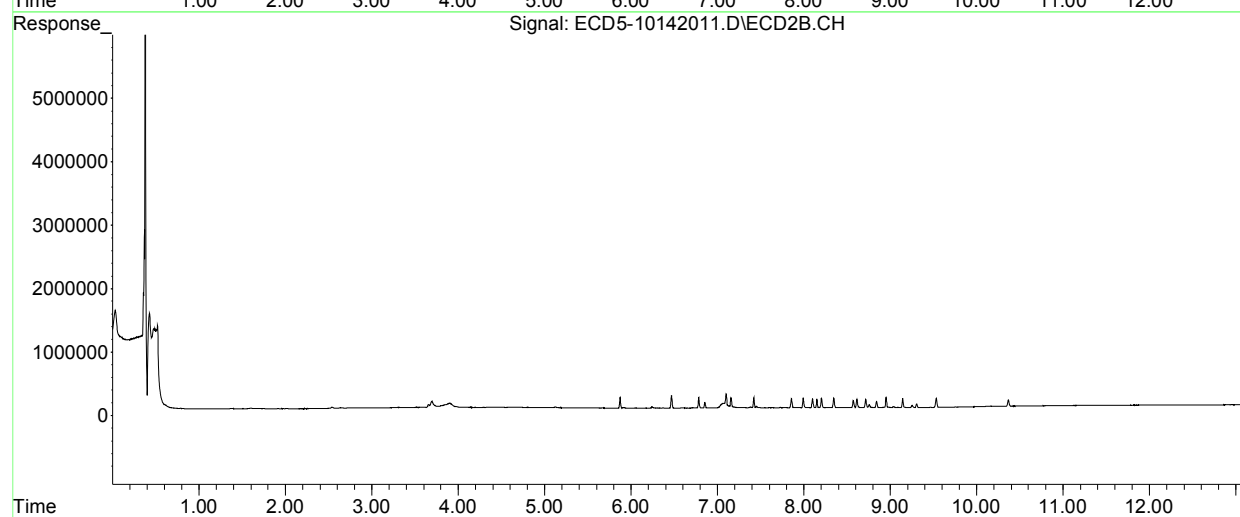
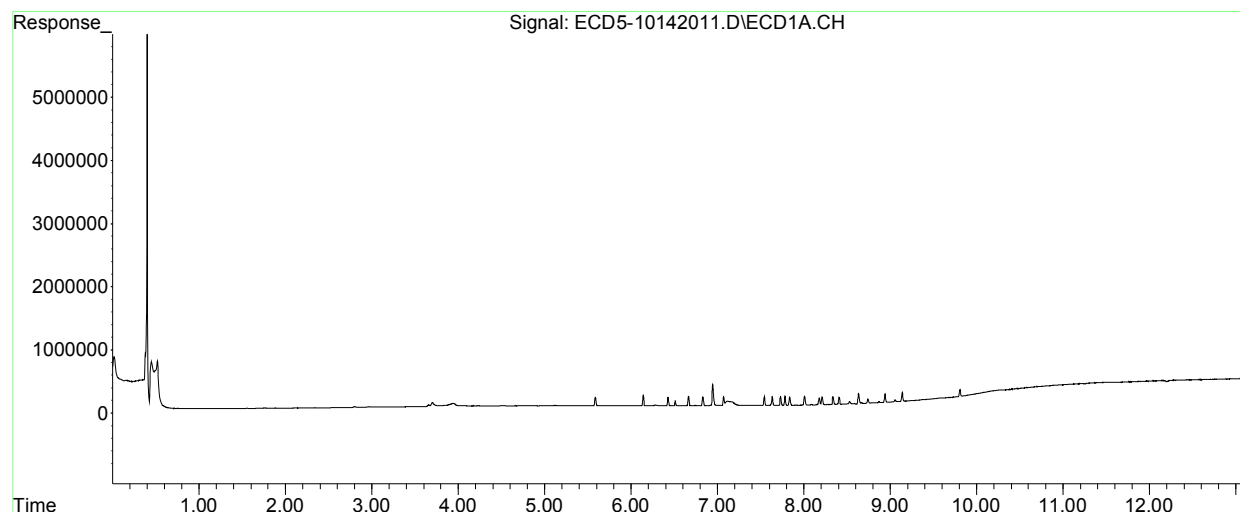
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 15:47
Operator : MJB
Sample : 0J14056-CAL1
Misc : A20J229, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 17:48:11 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 17:46:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:04
 Operator : MJB
 Sample : 0J14056-CAL2
 Misc : A20J230, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:49:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.872	253886	311085	1.230	0.949
22) S DCBP (S)	9.806	10.367	210456	180596	1.200	0.858 #
Target Compounds						
2) a-BHC	6.139	6.467	306194	369703	1.111	0.861
3) g-BHC	6.429	6.784	268763	315438	1.126	0.826 #
4) b-BHC	6.512	6.853	134233	163076	1.147	0.918
5) Heptachlor	6.830	7.158	254387	263644	1.330	0.790 #
6) d-BHC	6.664	7.099	279968	354018	1.180	1.134
7) Aldrin	7.072	7.420	274443	288446	1.175	0.705 #
8) Heptachlo...	7.542	7.856	259023	268398	1.221	0.765 #
9) trans-Chl...	7.635	7.995	267031	275149	1.191	0.734 #
10) cis-Chlor...	7.732	8.102	256225	262088	1.174	0.729 #
11) Endosulfa...	7.836	8.151	240021	251042	1.242	0.787 #
12) 4,4'-DDE	7.781	8.203	261532	276372	1.171	0.854 #
13) Dieldrin	8.009	8.349	260366	268257	1.235	0.771 #
14) Endrin	8.178	8.571	188876	185759	1.226	0.780 #
15) 4,4'-DDD	8.210	8.616	224880	227533	1.237	0.882 #
16) Endosulfa...	8.340	8.718	220968	234183	1.369	0.902 #
17) 4,4'-DDT	8.406	8.840	203498	176159	1.792	1.228 #
18) Endrin Al...	8.635	8.951	267831	281603	2.052	1.228 #
19) Endosulfa...	8.938	9.145	224706	235751	1.366	1.071
20) Methoxychlor	8.741	9.306	114664	99371	1.836	1.264 #
21) Endrin Ke...	9.139	9.533	256580	241014	1.423	1.062 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:04
 Operator : MJB
 Sample : 0J14056-CAL2
 Misc : A20J230, AB 1 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:49:00 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

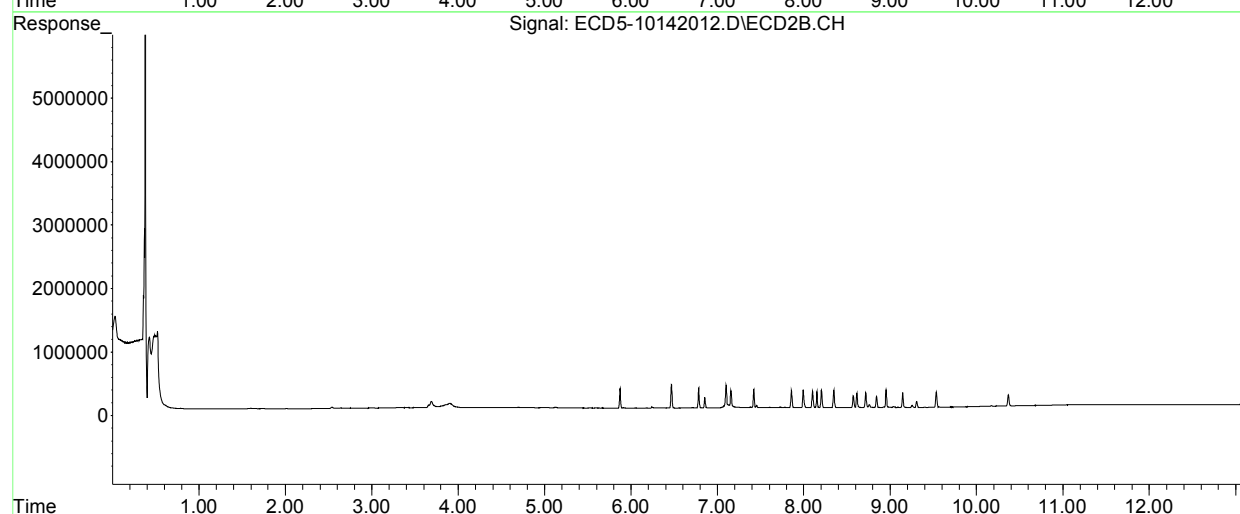
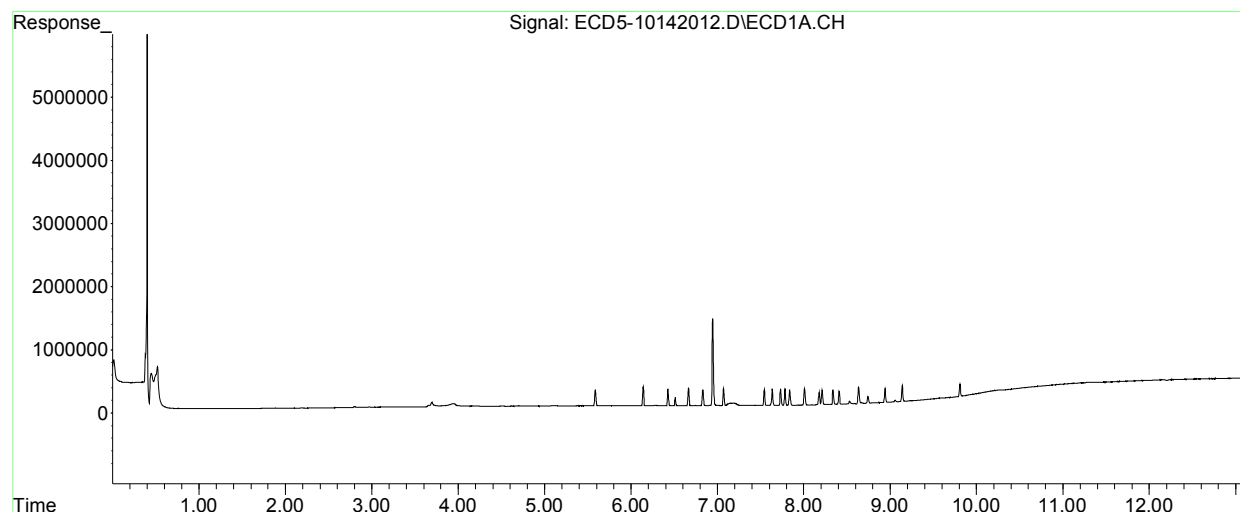
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 16:04
Operator : MJB
Sample : 0J14056-CAL2
Misc : A20J230, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 17:49:00 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 17:46:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:21
 Operator : MJB
 Sample : 0J14056-CAL3
 Misc : A20H471, AB 2 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:49:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.586	5.871	497197	614440	2.408	1.874
22) S DCBP (S)	9.806	10.367	375364	330405	2.293	1.570 #
Target Compounds						
2) a-BHC	6.139	6.468	628323	753186	2.281	1.739
3) g-BHC	6.429	6.785	533694	641946	2.236	1.692
4) b-BHC	6.512	6.853	257026	306878	2.341	1.727 #
5) Heptachlor	6.830	7.158	511111	517087	2.672	1.549 #
6) d-BHC	6.664	7.100	554144	649345	2.336	2.071
7) Aldrin	7.072	7.420	542139	584662	2.320	1.429 #
8) Heptachlo...	7.542	7.856	501641	516383	2.365	1.472 #
9) trans-Chl...	7.635	7.996	517096	546800	2.307	1.458 #
10) cis-Chlor...	7.732	8.102	497982	519519	2.282	1.445 #
11) Endosulfa...	7.836	8.151	468891	473272	2.427	1.484 #
12) 4,4'-DDE	7.781	8.204	521556	558084	2.335	1.701 #
13) Dieldrin	8.009	8.349	501289	530524	2.378	1.525 #
14) Endrin	8.179	8.572	385124	373106	2.500	1.566 #
15) 4,4'-DDD	8.210	8.616	445212	442696	2.448	1.731 #
16) Endosulfa...	8.340	8.718	421233	439713	2.610	1.693 #
17) 4,4'-DDT	8.406	8.840	400654	357211	3.544	2.471 #
18) Endrin Al...	8.635	8.952	510289	521610	4.068	2.275 #
19) Endosulfa...	8.938	9.145	418629	437332	2.545	2.049
20) Methoxychlor	8.740	9.306	215205	189005	3.534	2.460 #
21) Endrin Ke...	9.139	9.534	490417	461874	2.720	2.098
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:21
 Operator : MJB
 Sample : 0J14056-CAL3
 Misc : A20H471, AB 2 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:49:35 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

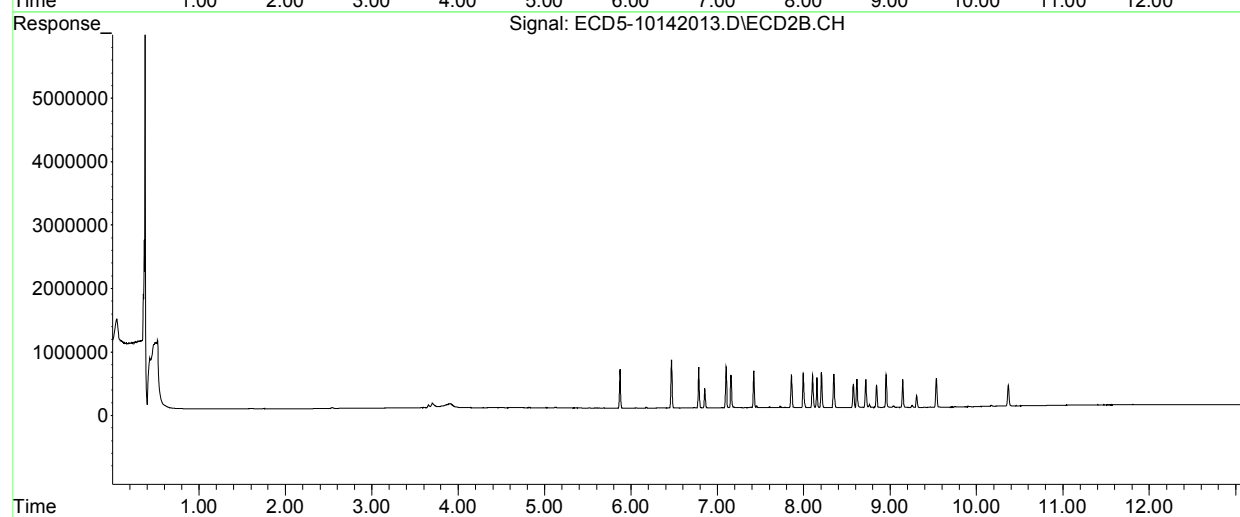
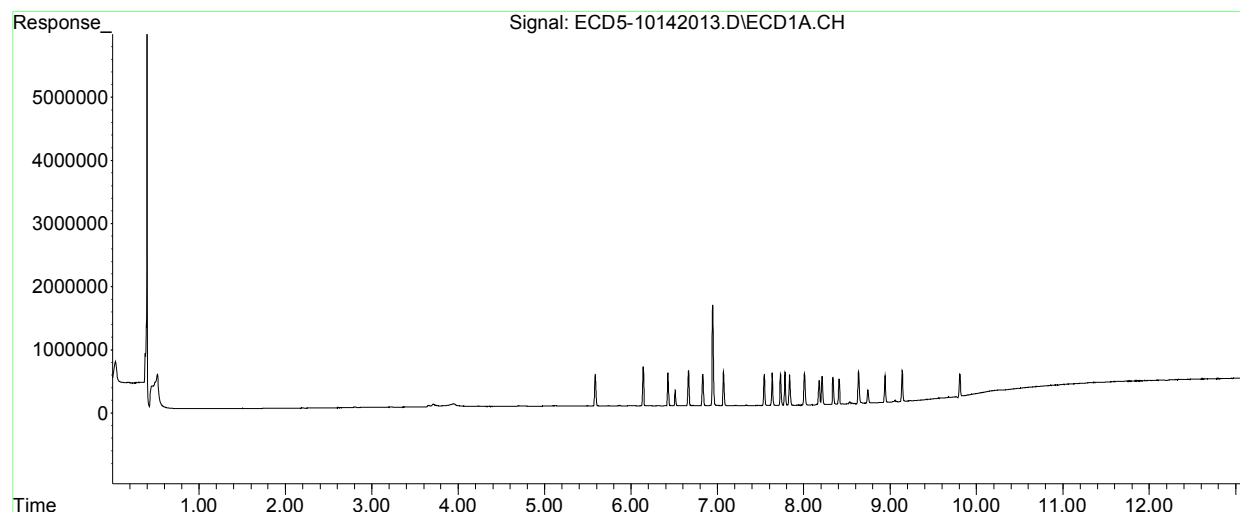
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 16:21
Operator : MJB
Sample : 0J14056-CAL3
Misc : A20H471, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 17:49:35 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 17:46:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:38
 Operator : MJB
 Sample : 0J14056-CAL4
 Misc : A20H472, AB 5 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:50:14 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.585	5.872	1205086	1474967	5.837	4.499
22) S DCBP (S)	9.805	10.367	864759	772851	5.533	3.672 #
Target Compounds						
2) a-BHC	6.139	6.467	1541028	1928602	5.593	4.415
3) g-BHC	6.428	6.784	1286671	1598007	5.391	4.213
4) b-BHC	6.511	6.852	600757	721255	5.681	4.059 #
5) Heptachlor	6.830	7.158	1261215	1327780	6.594	3.979 #
6) d-BHC	6.663	7.099	1353451	1629779	5.707	5.149
7) Aldrin	7.072	7.421	1317210	1471589	5.638	3.597 #
8) Heptachlo...	7.542	7.855	1188991	1285859	5.605	3.666 #
9) trans-Chl...	7.634	7.994	1239286	1337960	5.529	3.568 #
10) cis-Chlor...	7.731	8.101	1182697	1240277	5.419	3.450 #
11) Endosulfa...	7.835	8.149	1136280	1194602	5.881	3.747 #
12) 4,4'-DDE	7.780	8.203	1281422	1358638	5.736	4.095 #
13) Dieldrin	8.007	8.348	1224275	1308319	5.807	3.761 #
14) Endrin	8.177	8.570	910916	918333	5.914	3.854 #
15) 4,4'-DDD	8.209	8.615	1071622	1078020	5.893	4.219 #
16) Endosulfa...	8.338	8.717	998320	1038306	6.187	3.999 #
17) 4,4'-DDT	8.405	8.839	957319	864502	8.411	5.875 #
18) Endrin Al...	8.633	8.951	998718	1018074	8.130	4.440 #
19) Endosulfa...	8.937	9.144	988428	1052641	6.008	5.008
20) Methoxychlor	8.740	9.305	514454	439519	8.522	5.749 #
21) Endrin Ke...	9.138	9.532	1160086	1114109	6.434	5.130
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:38
 Operator : MJB
 Sample : 0J14056-CAL4
 Misc : A20H472, AB 5 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:50:14 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

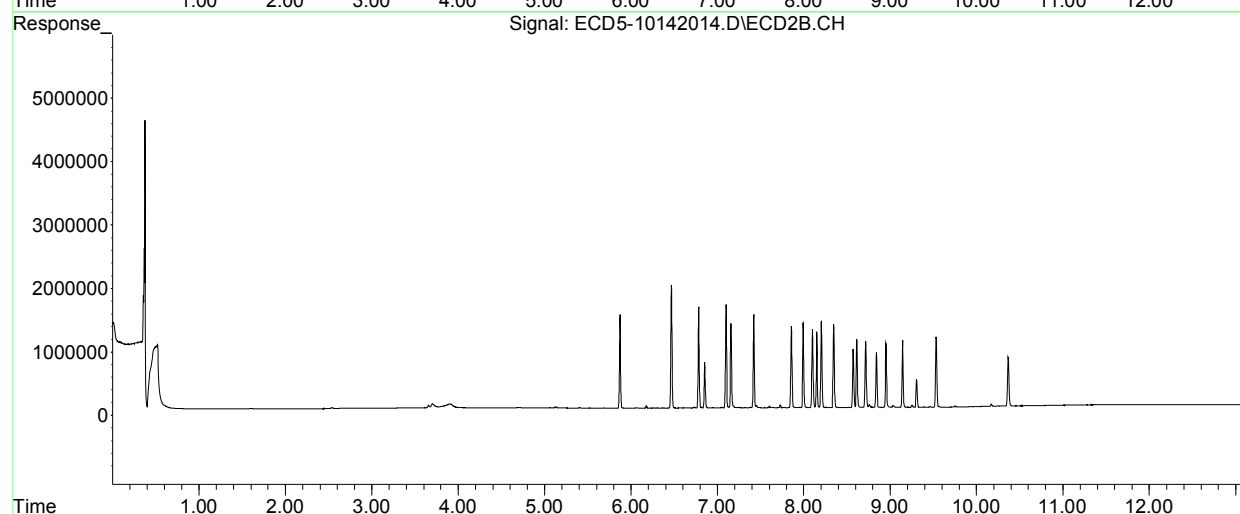
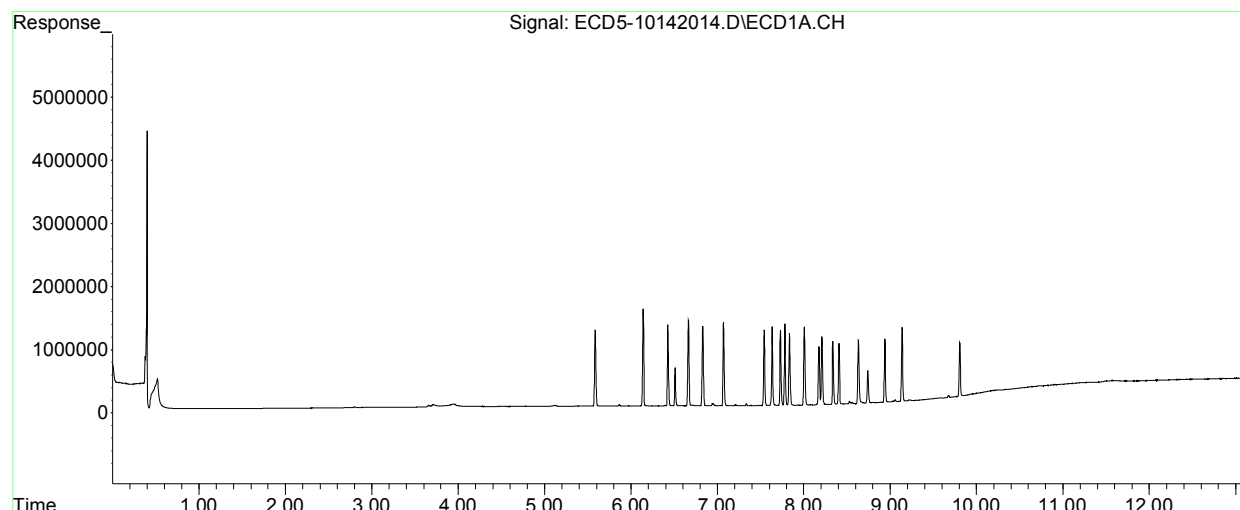
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 16:38
Operator : MJB
Sample : 0J14056-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 17:50:14 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 17:46:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH NR. Vial was empty.
 Acq On : 14 Oct 2020 16:56
 Operator : MJB
 Sample : 0J14056-CAL5 MJB 10/15/20
 Misc : A20H473, AB 10 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:50:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.143	0.000	3963	0	0.014	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.385f	0	5639	N.D.	0.014 #
8) Heptachlo...	7.538	0.000	399	0	0.002	N.D. #
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.
10) cis-Chlor...	0.000	0.000	0	0	N.D.	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	0.000	0	0	N.D.	N.D.
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	0.000	0	0	N.D.	N.D.
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.385f	0.000	768	0	40483.295	N.D. #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 16:56
 Operator : MJB
 Sample : 0J14056-CAL5
 Misc : A20H473, AB 10 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:50:33 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	0.000	0.000	0	0	N.D.	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.
32)	Chlordane...	7.538	0.000	399	0	0.017	N.D. #
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	3.960f	3.919	58308	71575	NoCal	NoCal
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37)	Toxaphene...	0.000	8.757	0	29826	N.D.	8.539 #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.960f	3.919	58308	71575	NoCal	NoCal

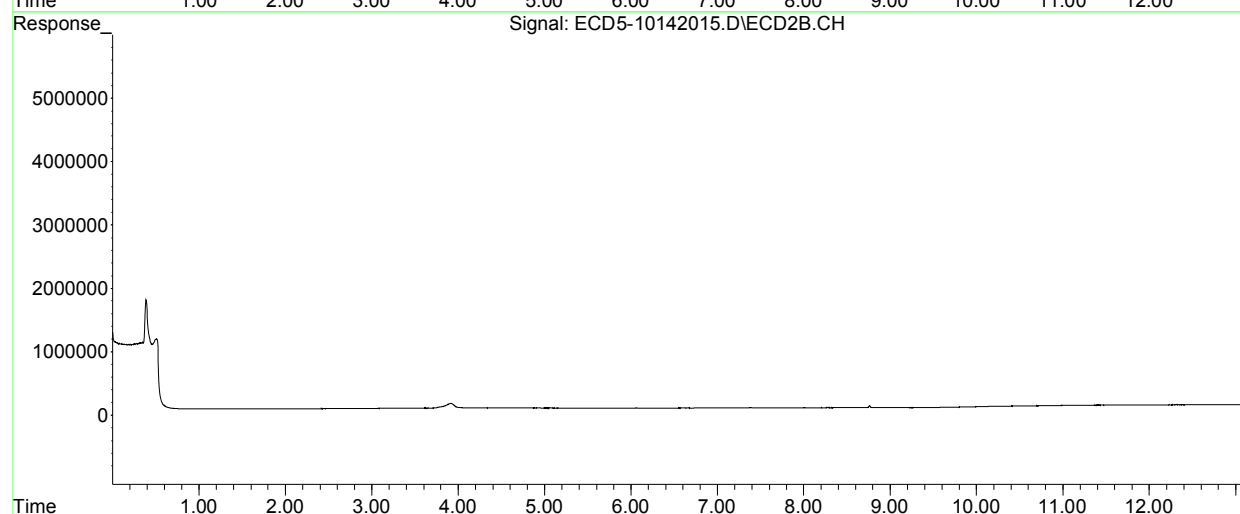
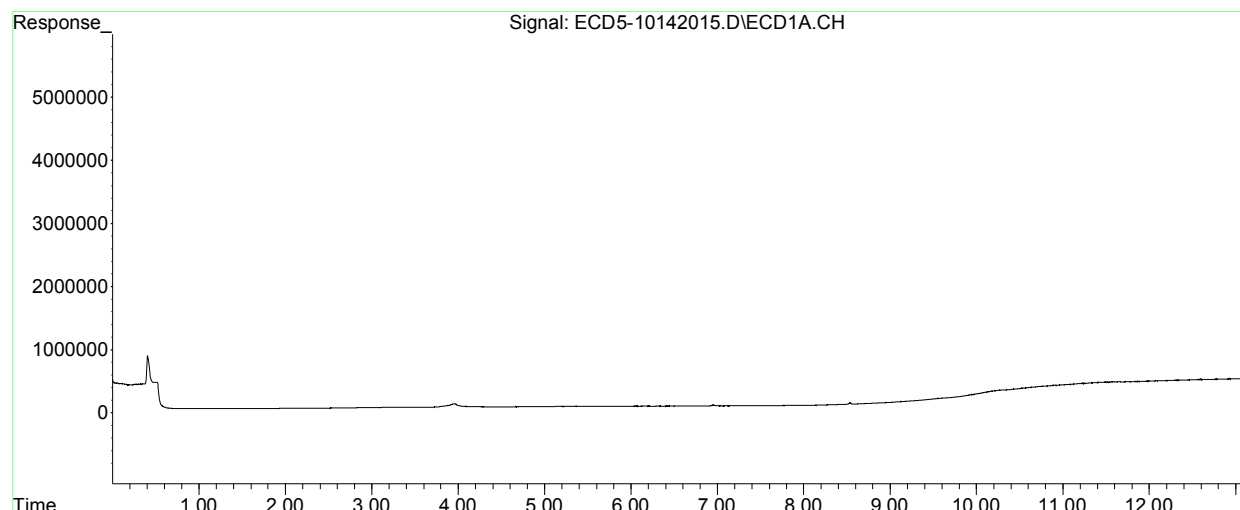
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 16:56
Operator : MJB
Sample : 0J14056-CAL5
Misc : A20H473, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 17:50:33 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 17:46:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:13
 Operator : MJB
 Sample : 0J14056-CAL6
 Misc : A20H474, AB 25 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:51:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.587	5.873	5605935	7255995	27.154	22.133
22) S DCBP (S)	9.807	10.368	3915613	3789238	25.650	18.004 #
Target Compounds						
2) a-BHC	6.139	6.469	7321853	9397096	26.575	20.877
3) g-BHC	6.428	6.785	6218049	8095839	26.053	20.796
4) b-BHC	6.510	6.853	2725704	3439511	26.265	19.358 #
5) Heptachlor	6.830	7.160	5863869	6609002	30.658	19.804 #
6) d-BHC	6.663	7.100	6544991	8097153	27.596	24.323
7) Aldrin	7.073	7.422	6225758	7351725	26.646	17.970 #
8) Heptachlo...	7.542	7.856	5734577	6565406	27.034	18.720 #
9) trans-Chl...	7.634	7.996	5843575	6700617	26.073	17.869 #
10) cis-Chlor...	7.731	8.102	5682477	6333107	26.039	17.618 #
11) Endosulfa...	7.835	8.151	5340395	6024680	27.640	18.897 #
12) 4,4'-DDE	7.781	8.204	6231267	6948937	27.892	20.345 #
13) Dieldrin	8.008	8.349	5999680	6716667	28.457	19.307 #
14) Endrin	8.178	8.571	4189458	4516170	27.201	18.953 #
15) 4,4'-DDD	8.210	8.616	5100984	5395697	28.052	20.486 #
16) Endosulfa...	8.339	8.718	4795425	5241221	29.717	20.186 #
17) 4,4'-DDT	8.407	8.840	4593721	4376201	37.797	27.018 #
18) Endrin Al...	8.634	8.953	4543966	4863133	37.604	21.208 #
19) Endosulfa...	8.938	9.145	4608552	5172587	28.012	23.900
20) Methoxychlor	8.741	9.306	2377939	2132144	37.686	26.247 #
21) Endrin Ke...	9.139	9.534	5699447	5694932	31.608	25.409
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:13
 Operator : MJB
 Sample : 0J14056-CAL6
 Misc : A20H474, AB 25 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:51:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

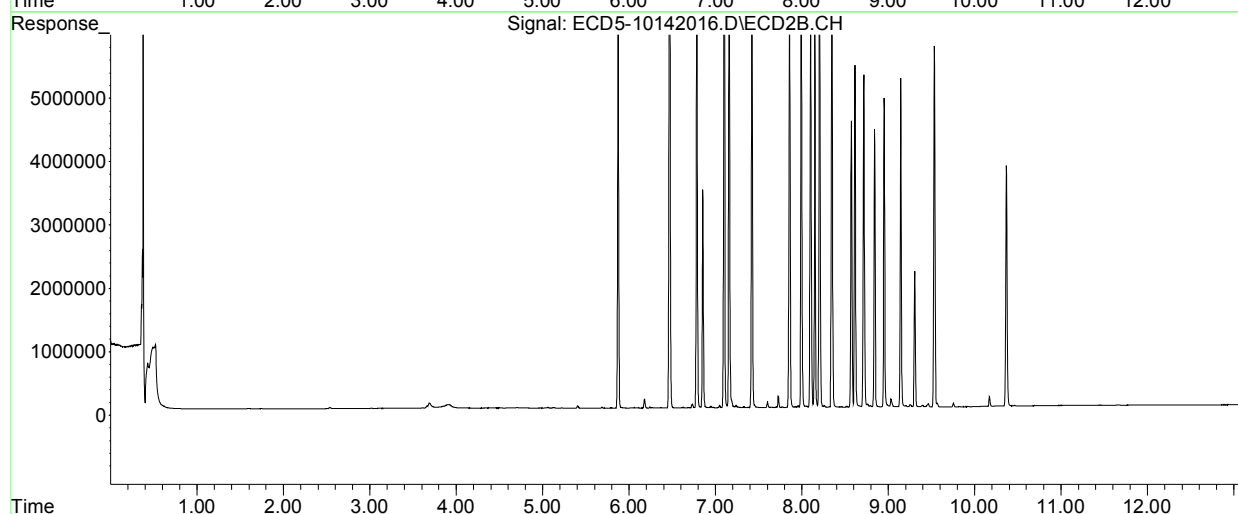
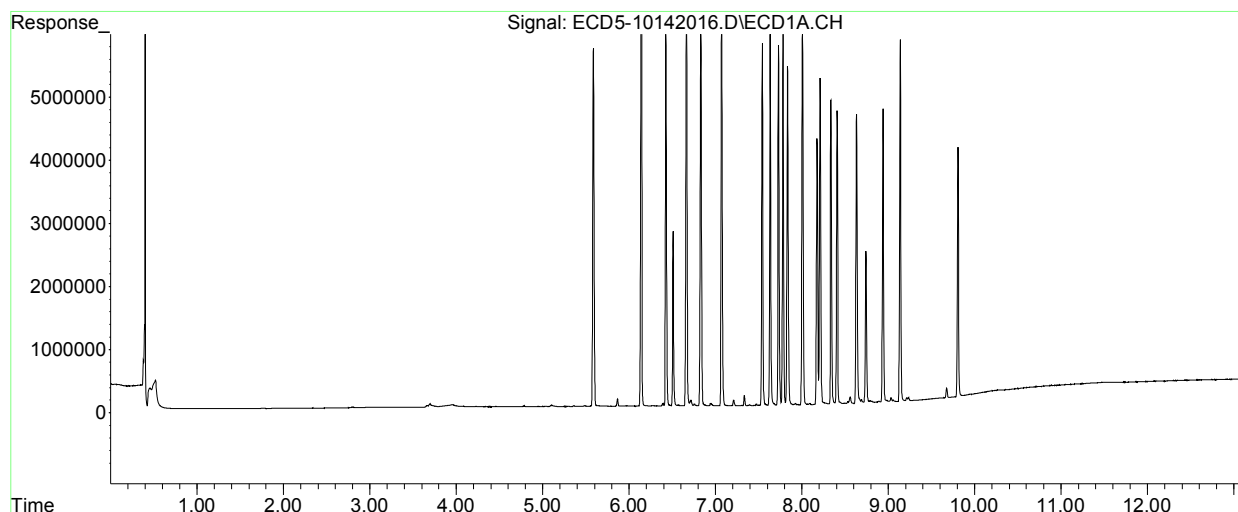
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 17:13
Operator : MJB
Sample : 0J14056-CAL6
Misc : A20H474, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 17:51:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 17:46:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:30
 Operator : MJB
 Sample : 0J14056-CAL7 MJB 10/15/20
 Misc : A20H475, AB 50 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:46:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Fri Jul 17 15:13:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.585	5.872	11352526	15067103	54.988	45.960
22) S DCBP (S)	9.805	10.367	7973046	7534139	52.194	35.798 #
Target Compounds						
2) a-BHC	6.138	6.468	15039504	20314768	54.587	43.481
3) g-BHC	6.426	6.784	12567647	16652911	52.658	41.345
4) b-BHC	6.507	6.851	5498441	6903913	52.960	38.856 #
5) Heptachlor	6.828	7.158	12046871	14088204	62.984	42.215 #
6) d-BHC	6.660	7.099	12952285	16583164	54.611	47.098
7) Aldrin	7.071	7.420	12856429	15507578	55.025	37.905 #
8) Heptachlo...	7.540	7.854	11394384	13363611	53.715	38.104 #
9) trans-Chl...	7.632	7.994	11923480	14009308	53.200	37.359 #
10) cis-Chlor...	7.729	8.100	11537076	13060134	52.866	36.332 #
11) Endosulfa...	7.833	8.149	10730108	12399275	55.535	38.891 #
12) 4,4'-DDE	7.779	8.203	12484045	14657782	55.881	41.545 #
13) Dieldrin	8.006	8.347	12208714	13747070	57.907	39.516 #
14) Endrin	8.175	8.570	8619344	9319162	55.962	39.109 #
15) 4,4'-DDD	8.208	8.614	10197219	11431408	56.078	41.630 #
16) Endosulfa...	8.337	8.716	9684792	11074835	60.016	42.653 #
17) 4,4'-DDT	8.405	8.839	9547128	9551259	72.837	53.028 #
18) Endrin Al...	8.632	8.950	9134784	10129852	75.745	44.176 #
19) Endosulfa...	8.936	9.144	9319195	10305111	56.644	45.567
20) Methoxychlor	8.739	9.305	4827454	4372733	72.103	49.954 #
21) Endrin Ke...	9.137	9.532	11519728	11997009	63.886	50.923
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:30
 Operator : MJB
 Sample : 0J14056-CAL7
 Misc : A20H475, AB 50 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 17:46:48 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Fri Jul 17 15:13:52 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

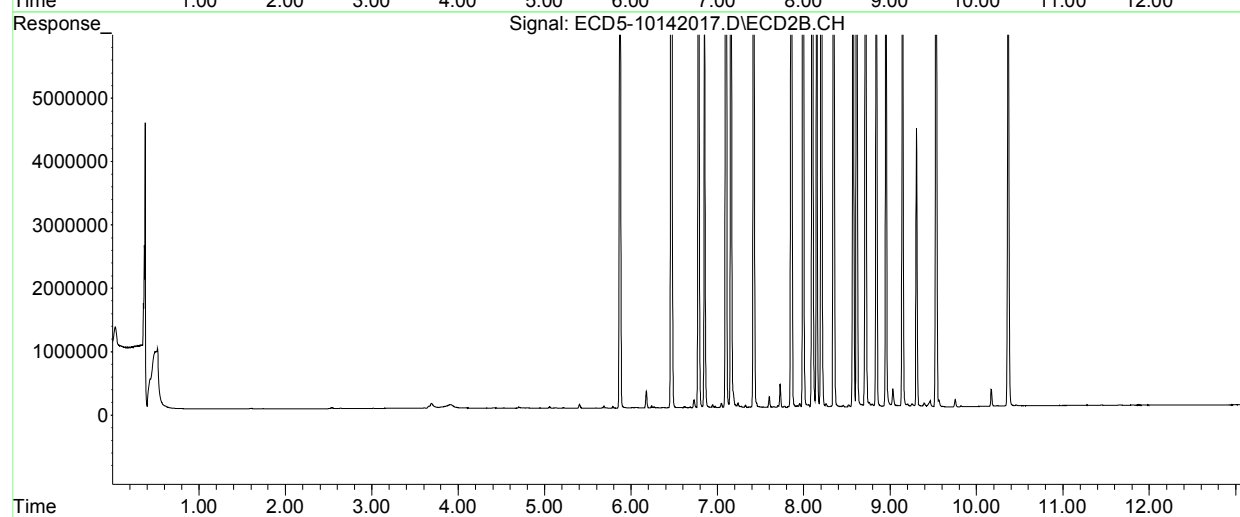
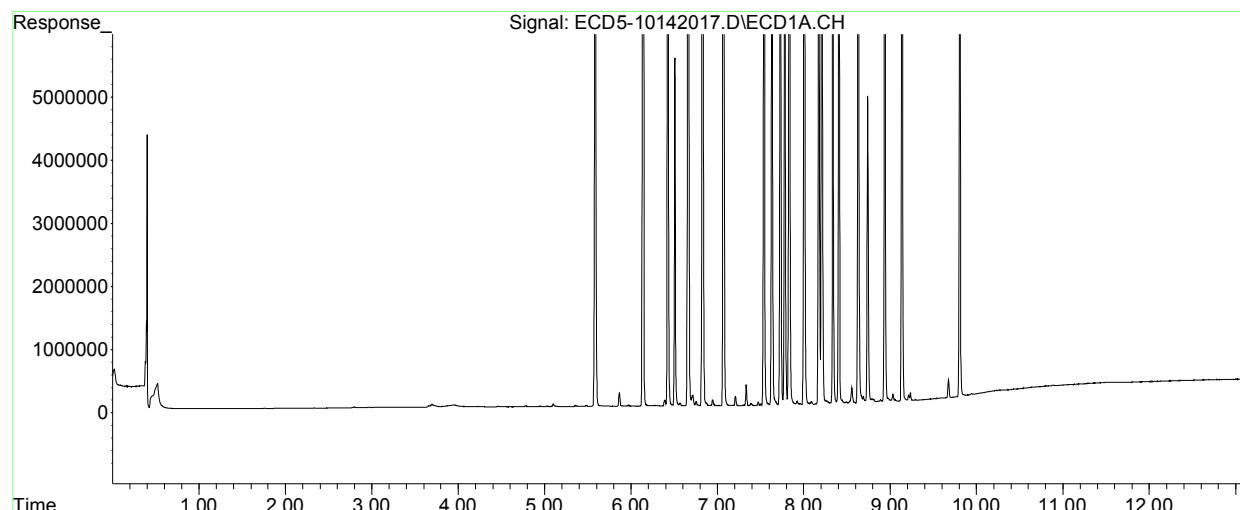
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 17:30
Operator : MJB
Sample : 0J14056-CAL7
Misc : A20H475, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 17:46:48 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Fri Jul 17 15:13:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:47
 Operator : MJB
 Sample : 0J14056-CAL8
 Misc : A20H476, AB 100 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:01:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.585	5.872	23049738	30964306	111.646	94.451
22) S DCBP (S)	9.805	10.367	16312536	15718841	106.019	74.687 #
Target Compounds						
2) a-BHC	6.138	6.468	31182562	42148302	113.179	84.613 #
3) g-BHC	6.426	6.784	26279346	35245762	110.110	82.033 #
4) b-BHC	6.507	6.851	10859255	14295163	104.062	80.454
5) Heptachlor	6.828	7.158	25279902	30166394	132.170	90.394 #
6) d-BHC	6.660	7.099	26292698	35964570	110.859	92.196
7) Aldrin	7.070	7.421	25783435	32086436	110.352	78.428 #
8) Heptachlo...	7.539	7.855	23352737	28257457	110.088	80.571 #
9) trans-Chl...	7.631	7.994	24702924	29106292	110.220	77.619 #
10) cis-Chlor...	7.729	8.100	23434759	28026744	107.385	77.968 #
11) Endosulfa...	7.832	8.149	21908259	25467351	113.389	79.880 #
12) 4,4'-DDE	7.779	8.203	25327711	31308633	113.371	83.526 #
13) Dieldrin	8.006	8.348	25057861	29699008	118.852	85.369 #
14) Endrin	8.175	8.570	17806784	20212366	115.613	84.823 #
15) 4,4'-DDD	8.208	8.615	21275467	24060950	117.002	81.339 #
16) Endosulfa...	8.336	8.716	19552387	23333560	121.166	89.865 #
17) 4,4'-DDT	8.405	8.839	19569737	20809420	132.734	98.307 #
18) Endrin Al...	8.631	8.950	18518754	21368641	153.617	93.187 #
19) Endosulfa...	8.936	9.144	18976648	22252624	115.344	90.209
20) Methoxychlor	8.738	9.305	9873445	9914061	133.535	98.553 #
21) Endrin Ke...	9.137	9.532	23559183	26017499	130.654	100.693
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 17:47
 Operator : MJB
 Sample : 0J14056-CAL8
 Misc : A20H476, AB 100 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:01:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

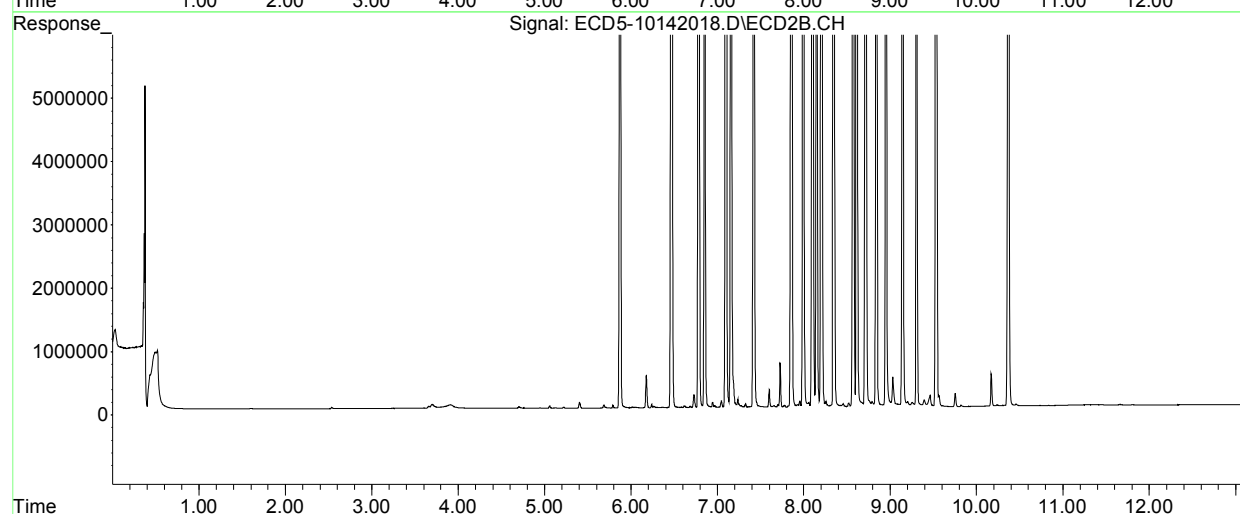
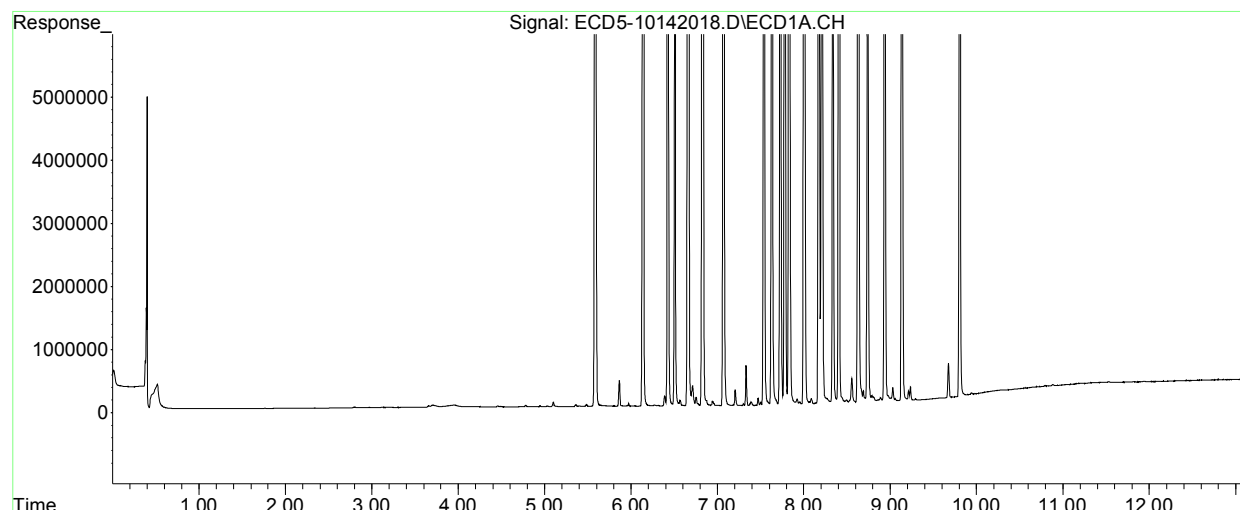
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 17:47
Operator : MJB
Sample : 0J14056-CAL8
Misc : A20H476, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:01:37 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 17:46:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:04
 Operator : MJB
 Sample : 0J14056-CAL9 MJB 10/15/20
 Misc : A20H470, AB 200 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:18:41 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	5.586	5.873	46983236	64550678	227.574	196.901
22)	S DCBP (S)	9.805	10.368	33023937	34258099	211.091	162.776
Target Compounds							
2)	a-BHC	6.139	6.469	63718589	86110024	231.271	156.060 #
3)	g-BHC	6.426	6.785	54964289	73913210	230.299	154.717 #
4)	b-BHC	6.505	6.850	22251881	30691462	210.525	172.734
5)	Heptachlor	6.827	7.157	50235930	63217018	262.646	189.430 #
6)	d-BHC	6.659	7.099	54381561	74743385	229.292	165.445 #
7)	Aldrin	7.070	7.421	52351251	65943380	224.062	161.184 #
8)	Heptachlo...	7.538	7.855	46706447	60156577	220.181	171.525
9)	trans-Chl...	7.631	7.993	50229041	61219867	224.113	163.257 #
10)	cis-Chlor...	7.728	8.101	47154077	59075588	216.075	164.343
11)	Endosulfa...	7.831	8.149	44397747	56239640	229.786	176.400
12)	4,4'-DDE	7.779	8.203	52637083	64882960	235.612	156.996 #
13)	Dieldrin	8.005	8.348	50341347	62423525	238.775	179.435
14)	Endrin	8.174	8.570	36608762	43718232	237.687	183.468
15)	4,4'-DDD	8.208	8.615	43709616	51993903	240.376	155.076 #
16)	Endosulfa...	8.335	8.717	40368044	49487811	250.160	190.594
17)	4,4'-DDT	8.405	8.840	40534278	45086910	232.139	171.594 #
18)	Endrin Al...	8.631	8.951	38298293	45279339	317.361	197.460 #
19)	Endosulfa...	8.936	9.145	38804835	47515553	235.863	168.078 #
20)	Methoxychlor	8.737	9.305	20319864	21317927	236.961	175.636 #
21)	Endrin Ke...	9.137	9.533	48902572	56521958	271.203	189.019 #
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:04
 Operator : MJB
 Sample : 0J14056-CAL9
 Misc : A20H470, AB 200 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 14 18:18:41 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 17:46:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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

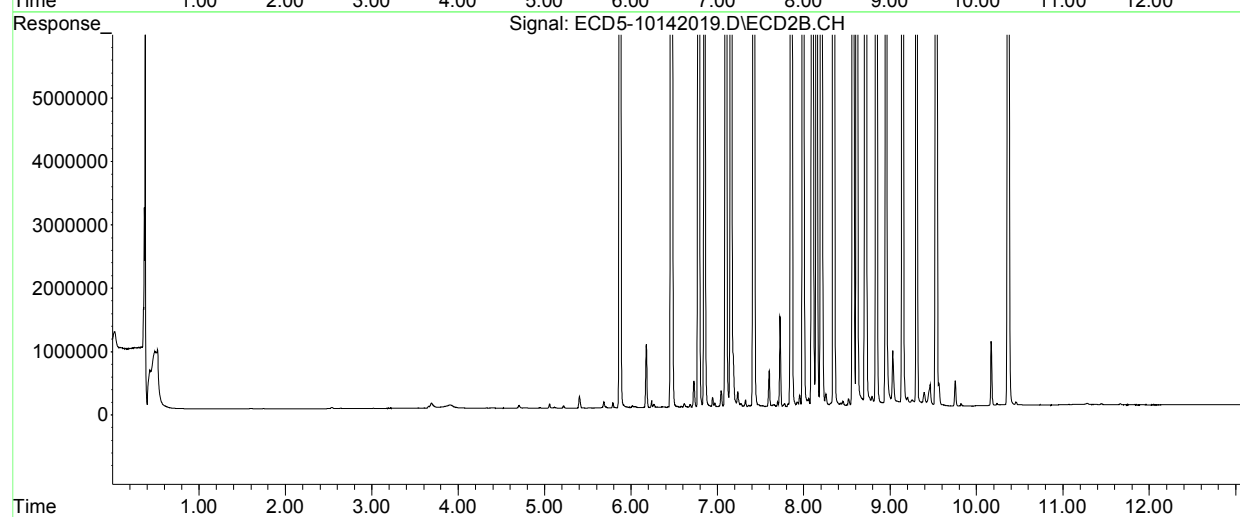
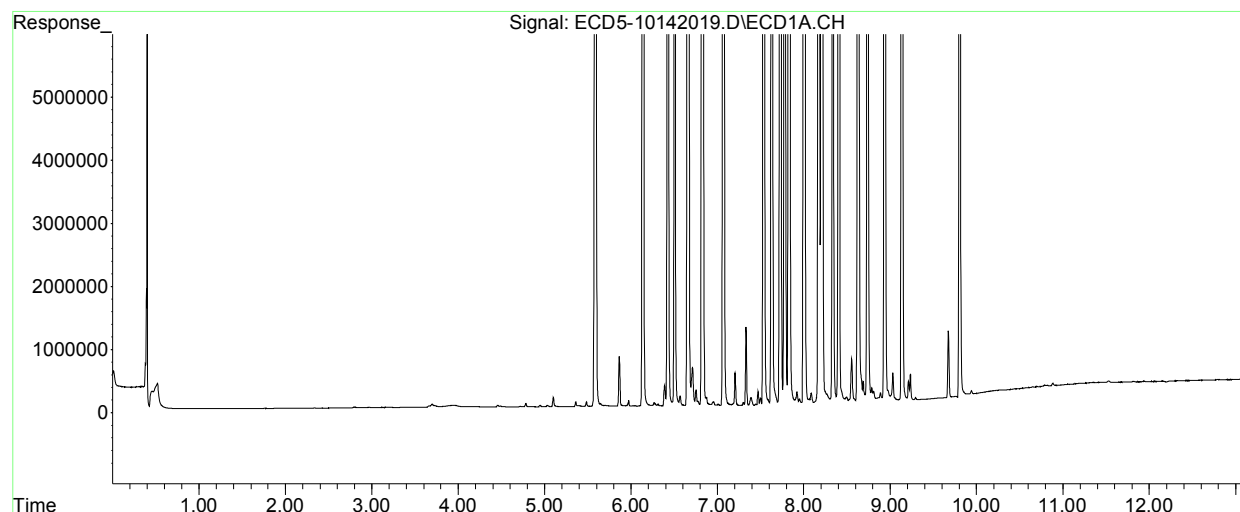
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:04
Operator : MJB
Sample : 0J14056-CAL9
Misc : A20H470, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 14 18:18:41 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 17:46:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:56
 Operator : MJB
 Sample : 0J14056-CALA
 Misc : A20J231, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:32:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.381	3.586	150001	206112	0.491	0.274 #
24) Hexachlor...	5.972	6.334	159234	201011	0.566	0.605
25) Oxychlorane	7.465	7.787	140283	141434	0.642	0.461 #
26) 2,4'-DDE	7.531	7.981	109817	111017	0.620	0.286 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 18:56
 Operator : MJB
 Sample : 0J14056-CALA
 Misc : A20J231, 9-42 0.5 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:32:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.719	8.061	151770	162972	0.499	0.273 #
28)	2,4'-DDD	7.909	8.351	97926	108812	0.623	0.518
29)	2,4'-DDT	8.090	8.572	97546	100181	1.008	0.688 #
30)	cis-Nonac...	8.196	8.617	165341	188367	0.584	0.491
31)	Mirex	8.869	9.522	117218	124073	0.612	0.390 #
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

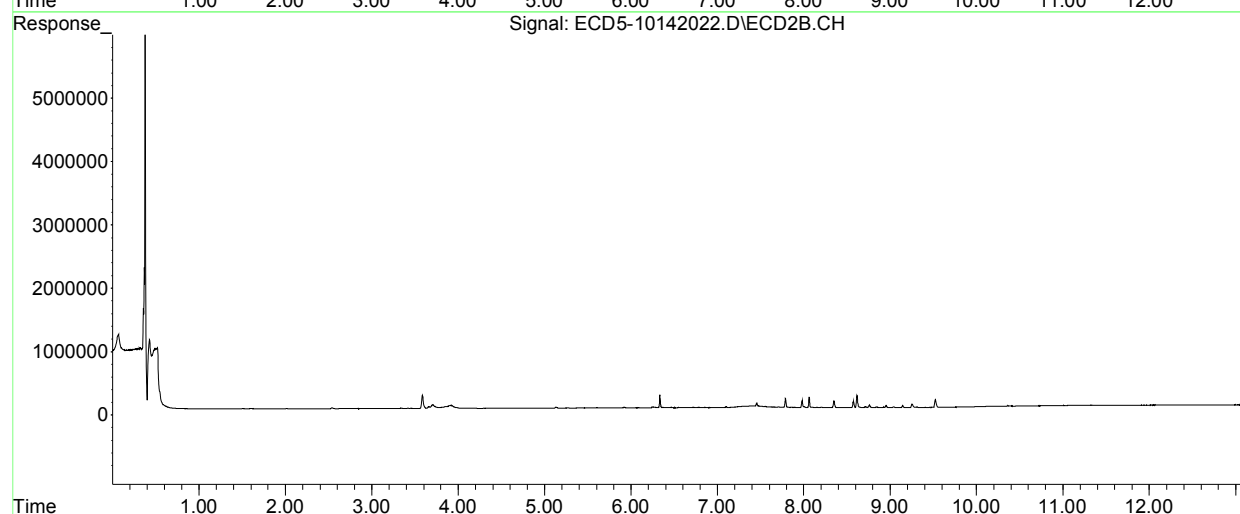
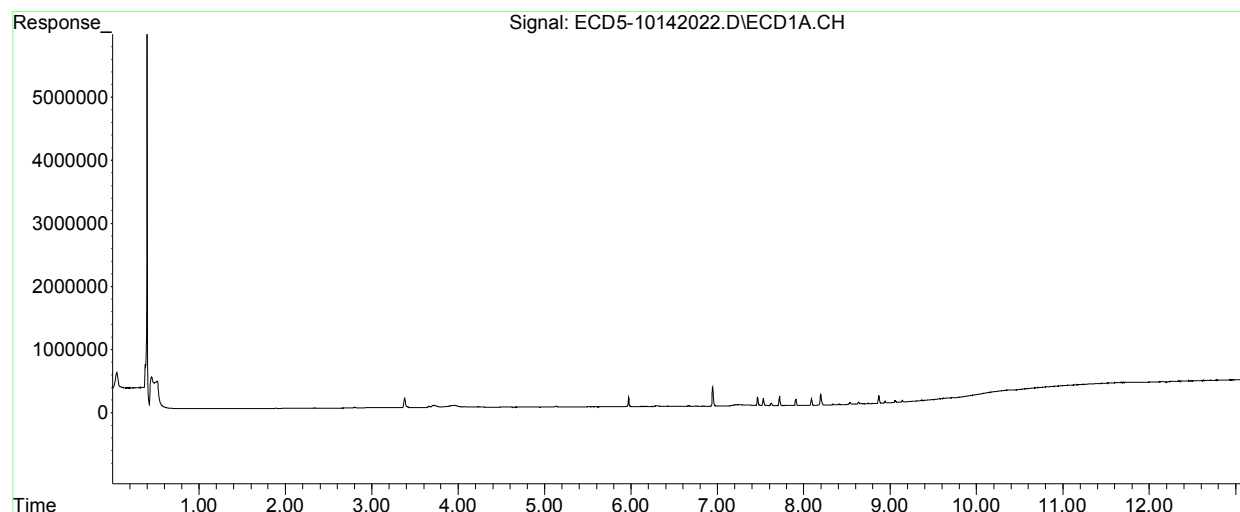
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 18:56
Operator : MJB
Sample : 0J14056-CALA
Misc : A20J231, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:32:37 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:30:26 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:13
 Operator : MJB
 Sample : 0J14056-CALB MJB 10/15/20
 Misc : A20I180, 9-42 1 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:33:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.382	3.585	277482	399831	1.082	0.700 #
24) Hexachlor...	5.972	6.333	293882	376662	1.247	1.135
25) Oxychlorane	7.465	7.786	248898	264881	1.301	0.864 #
26) 2,4'-DDE	7.530	7.980	197885	219431	1.250	0.787 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:13
 Operator : MJB
 Sample : 0J14056-CALB
 Misc : A20I180, 9-42 1 ppb
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:33:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.718	8.060	287672	309445	1.190	0.726 #
28)	2,4'-DDD	7.908	8.350	185364	202997	1.348	0.967 #
29)	2,4'-DDT	8.089	8.571	185344	188319	1.916	1.348 #
30)	cis-Nonac...	8.195	8.617	321171	335608	1.300	0.874 #
31)	Mirex	8.868	9.521	219913	218149	1.383	0.874 #
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

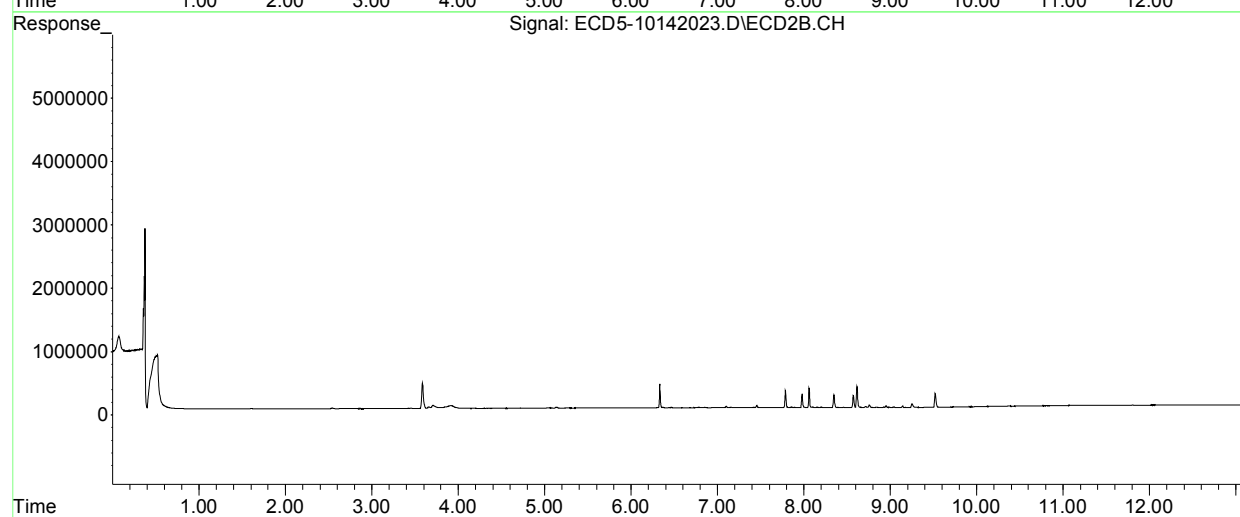
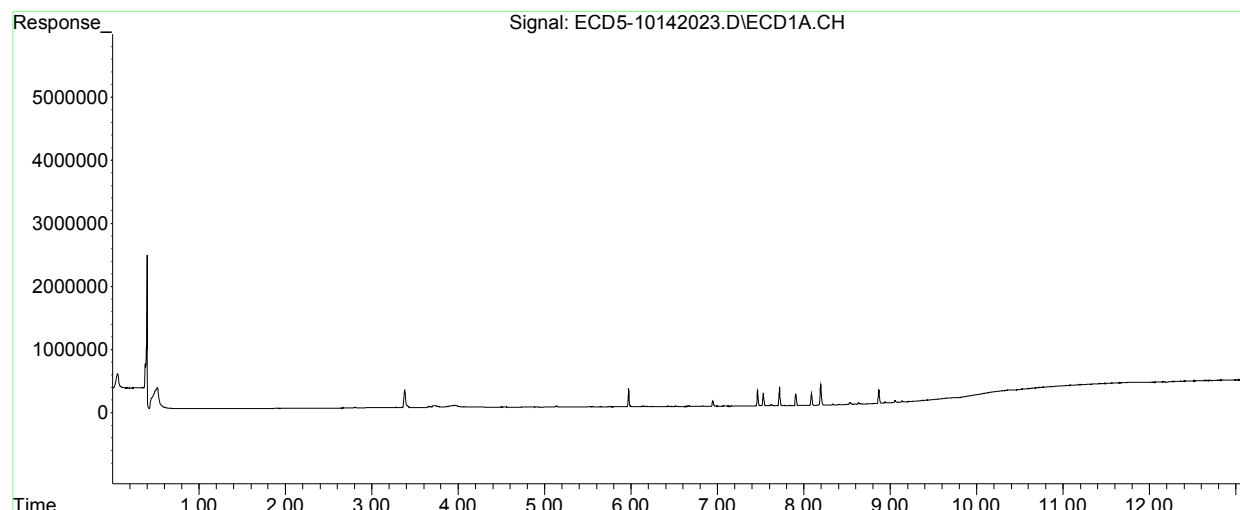
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 19:13
Operator : MJB
Sample : 0J14056-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:33:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:30:26 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:30
 Operator : MJB
 Sample : 0J14056-CALC
 Misc : A20I181, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:33:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.383	3.587	531546	751508	2.260	1.472 #
24) Hexachlor...	5.973	6.335	527783	676521	2.428	2.038
25) Oxychlorane	7.467	7.787	438019	475085	2.447	1.549 #
26) 2,4'-DDE	7.532	7.982	351140	378009	2.347	1.519 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:30
 Operator : MJB
 Sample : 0J14056-CALC
 Misc : A20I181, 9-42 2 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:33:47 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.720	8.062	495556	538531	2.248	1.434 #
28)	2,4'-DDD	7.910	8.352	310667	328688	2.385	1.566 #
29)	2,4'-DDT	8.091	8.573	311126	304634	3.216	2.215 #
30)	cis-Nonac...	8.197	8.618	537042	572924	2.292	1.492 #
31)	Mirex	8.870	9.523	348236	358541	2.347	1.594 #
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

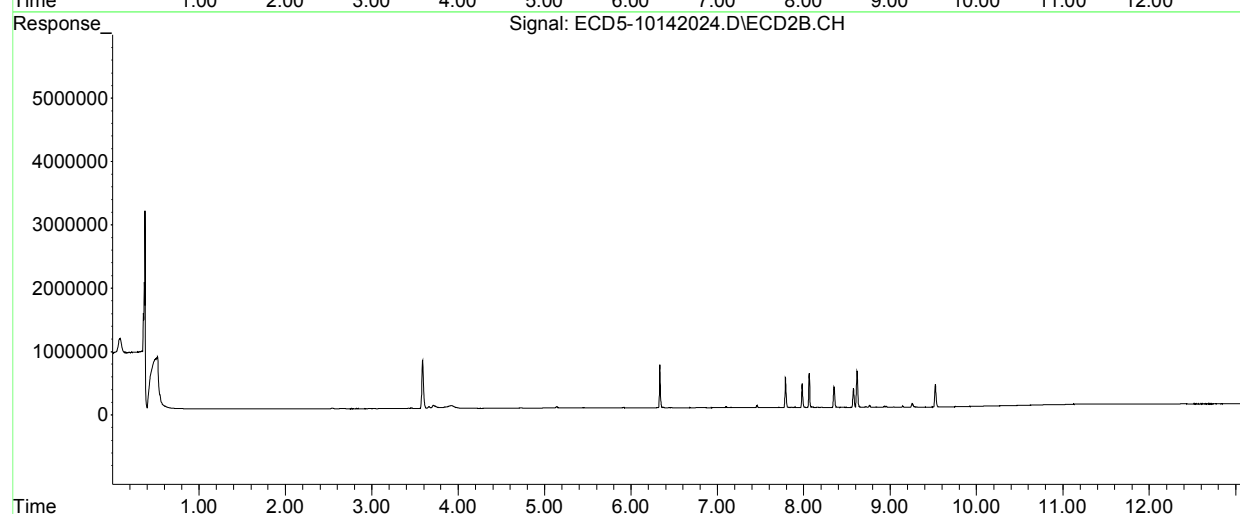
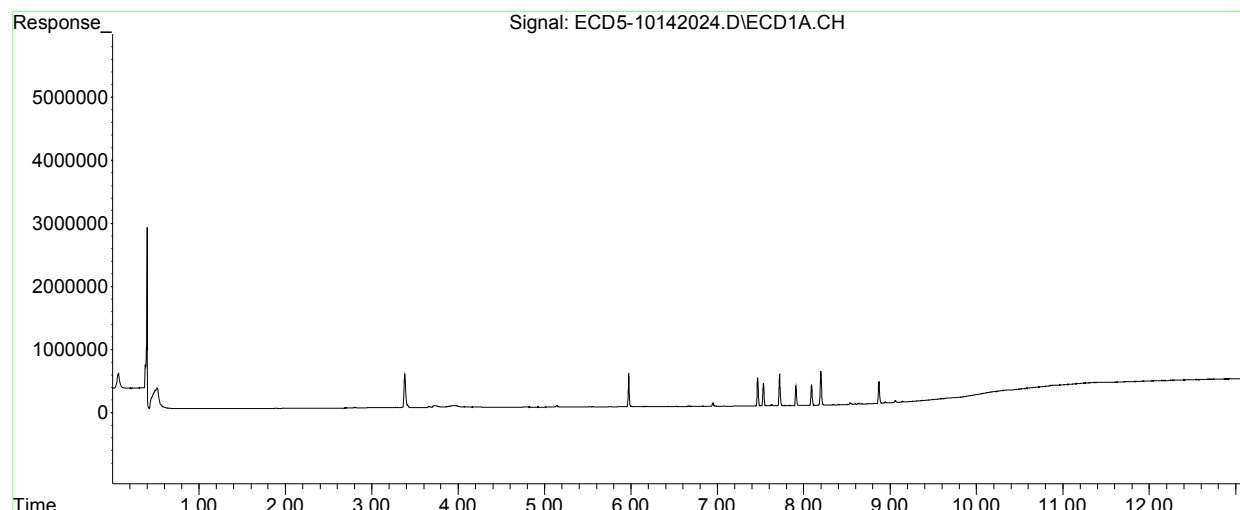
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 19:30
Operator : MJB
Sample : 0J14056-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:33:47 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:30:26 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:47
 Operator : MJB
 Sample : 0J14056-CALD MJB 10/15/20
 Misc : A20I182, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:34:20 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.381	3.584	1152385	1711788	5.140	3.579 #
24)	Hexachlor...	5.971	6.333	1167435	1512851	5.657	4.557
25)	Oxychlorane	7.466	7.786	956472	1072428	5.587	3.497 #
26)	2,4'-DDE	7.531	7.980	785764	895392	5.458	3.901 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 19:47
 Operator : MJB
 Sample : 0J14056-CALD
 Misc : A20I182, 9-42 5 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:34:20 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.719	8.060	1120921	1256872	5.428	3.647 #
28)	2,4'-DDD	7.909	8.350	707479	737721	5.668	3.514 #
29)	2,4'-DDT	8.090	8.571	683815	693050	7.069	5.088 #
30)	cis-Nonac...	8.196	8.617	1217681	1270505	5.417	3.309 #
31)	Mirex	8.869	9.521	751440	768030	5.373	3.691 #
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

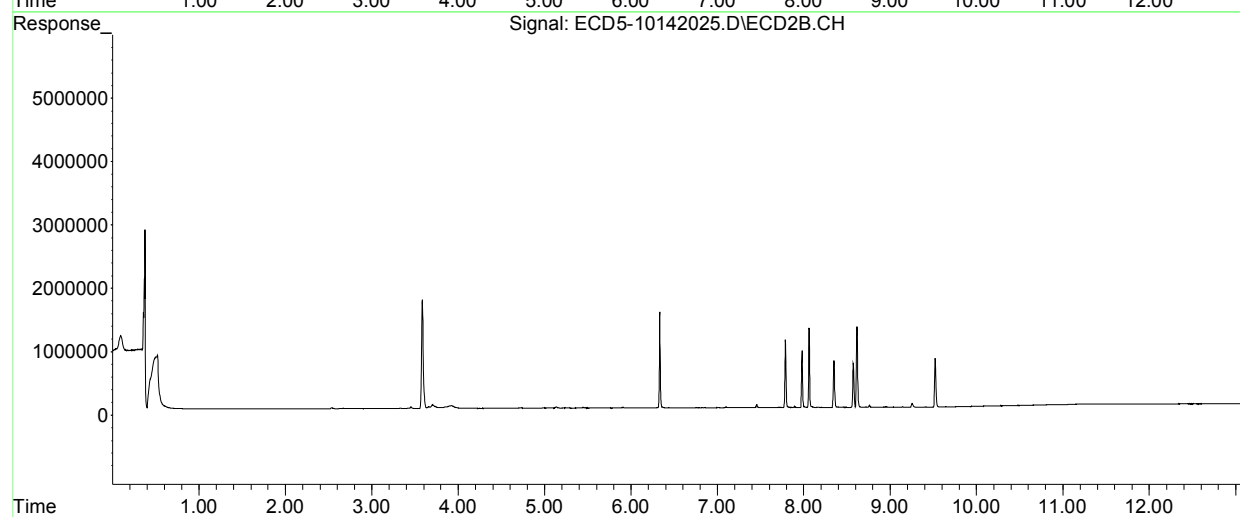
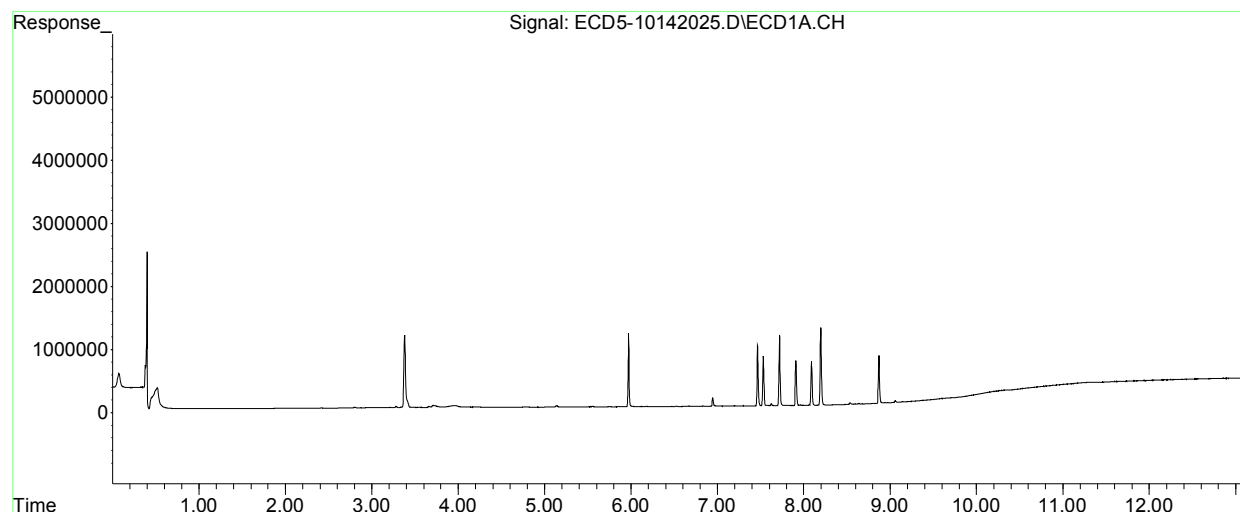
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 19:47
Operator : MJB
Sample : 0J14056-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:34:20 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:30:26 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:04
 Operator : MJB
 Sample : 0J14056-CALE MJB 10/15/20
 Misc : A20I183, 9-42 10 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:34:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.382	3.586	2234208	3285717	10.166	7.020 #
24) Hexachlor...	5.972	6.334	2358277	3045667	11.664	9.174
25) Oxychlorane	7.465	7.786	1961806	2190386	11.666	7.143 #
26) 2,4'-DDE	7.531	7.981	1624386	1793894	11.463	8.011 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:04
 Operator : MJB
 Sample : 0J14056-CALE
 Misc : A20I183, 9-42 10 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:34:55 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.719	8.061	2286824	2561574	11.344	7.646 #
28)	2,4'-DDD	7.909	8.351	1404864	1499564	11.426	7.143 #
29)	2,4'-DDT	8.091	8.572	1419577	1439690	14.674	10.505 #
30)	cis-Nonac...	8.197	8.617	2447188	2688062	11.056	7.001 #
31)	Mirex	8.869	9.521	1482445	1539687	10.855	7.623 #
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

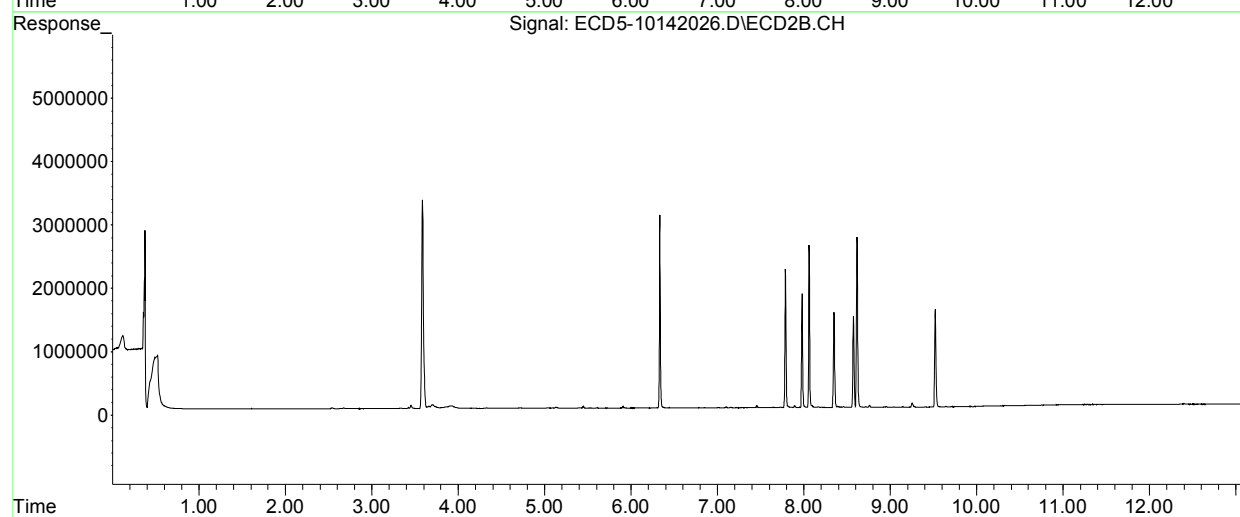
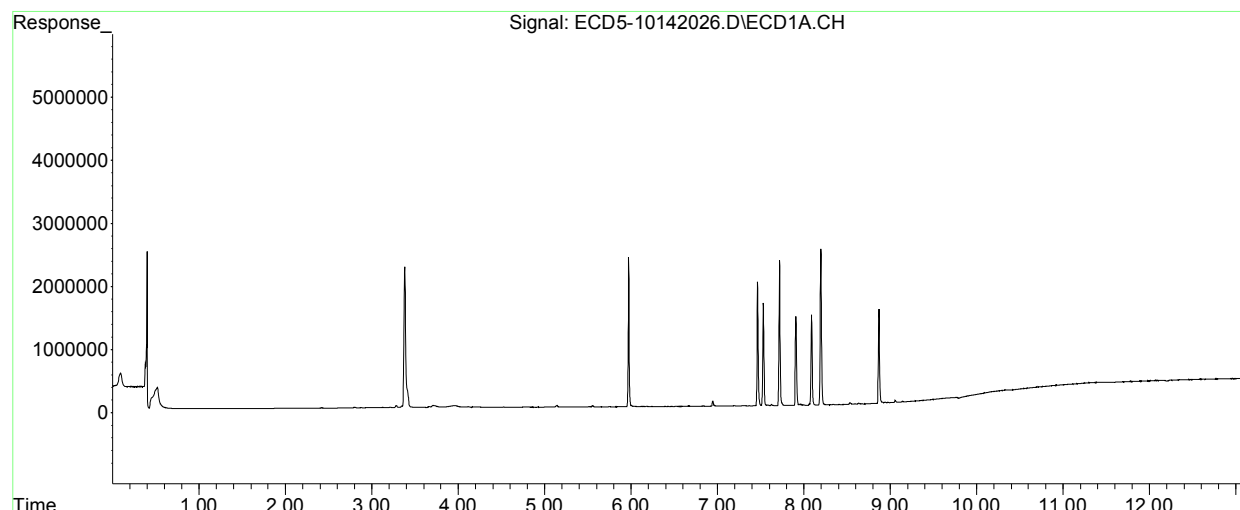
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 20:04
Operator : MJB
Sample : 0J14056-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:34:55 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:30:26 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:22
 Operator : MJB
 Sample : 0J14056-CALF MJB 10/15/20
 Misc : A20I184, 9-42 25 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:35:29 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.384	3.587	5991942	9024692	27.697	19.455 #
24) Hexachlor...	5.973	6.334	5814466	7847210	29.062	23.638
25) Oxychlorane	7.465	7.786	4875285	5656841	29.215	18.446 #
26) 2,4'-DDE	7.531	7.980	3870731	4550076	27.556	20.414 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:22
 Operator : MJB
 Sample : 0J14056-CALF
 Misc : A20I184, 9-42 25 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:35:29 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.718	8.061	5561787	6425020	27.885	19.331 #
28)	2,4'-DDD	7.908	8.351	3482222	3919505	28.499	18.669 #
29)	2,4'-DDT	8.090	8.572	3622126	3783032	37.442	26.707 #
30)	cis-Nonac...	8.196	8.618	6071870	6980137	27.628	18.181 #
31)	Mirex	8.869	9.521	3665359	3817069	27.185	19.085 #
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

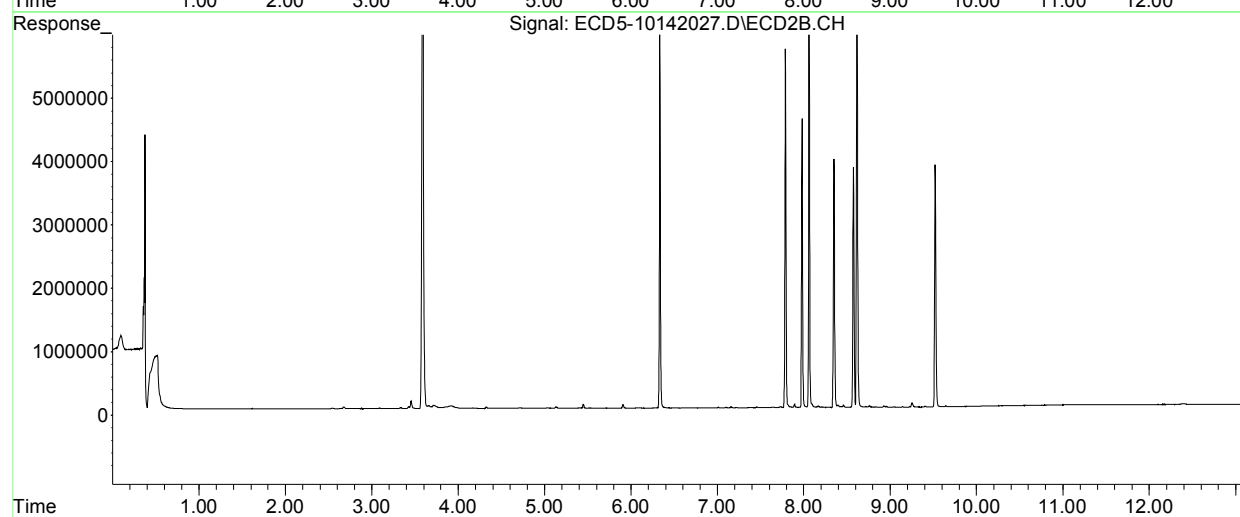
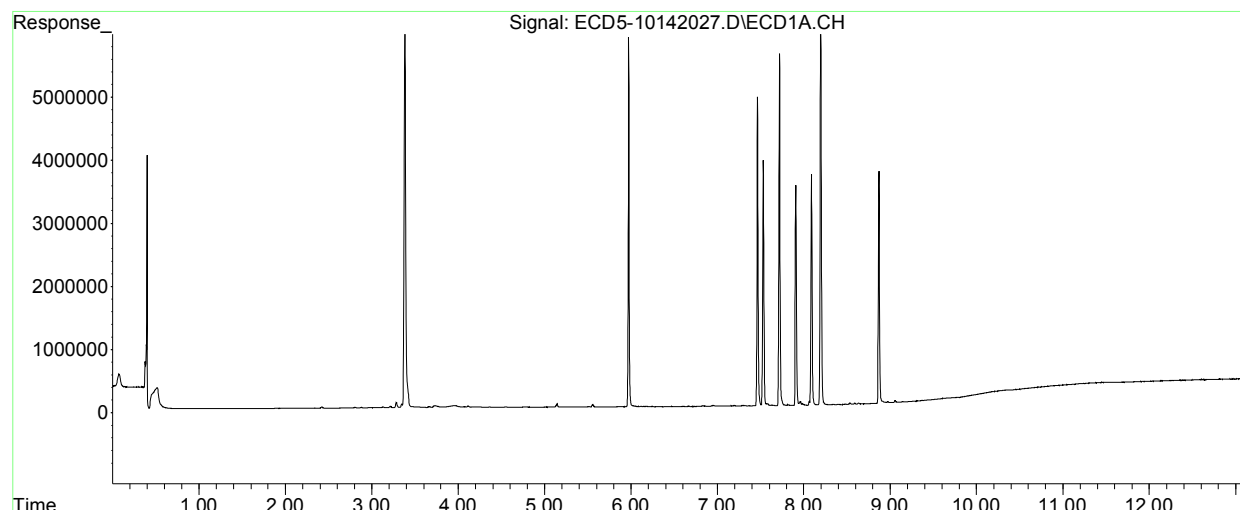
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 20:22
Operator : MJB
Sample : 0J14056-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:35:29 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:30:26 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:39
 Operator : MJB
 Sample : 0J14056-CALG MJB 10/15/20
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:29:57 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.384	3.587	10789137	16441536	50.241	35.270 #
24)	Hexachlor...	5.973	6.334	11106946	15331000	55.601	46.181
25)	Oxychlorane	7.465	7.787	9326636	10738437	55.831	35.017 #
26)	2,4'-DDE	7.531	7.981	7407872	9020941	52.923	39.924

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:39
 Operator : MJB
 Sample : 0J14056-CALG
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:29:57 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Oct 14 18:23:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.719	8.061	10843817	12986213	54.328	38.672 #
28)	2,4'-DDD	7.909	8.351	6716596	7545788	54.843	35.942 #
29)	2,4'-DDT	8.091	8.572	6517761	7077939	67.375	47.779 #
30)	cis-Nonac...	8.196	8.617	11655304	14071019	53.007	36.650 #
31)	Mirex	8.869	9.522	6988668	7493572	51.935	37.161 #
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

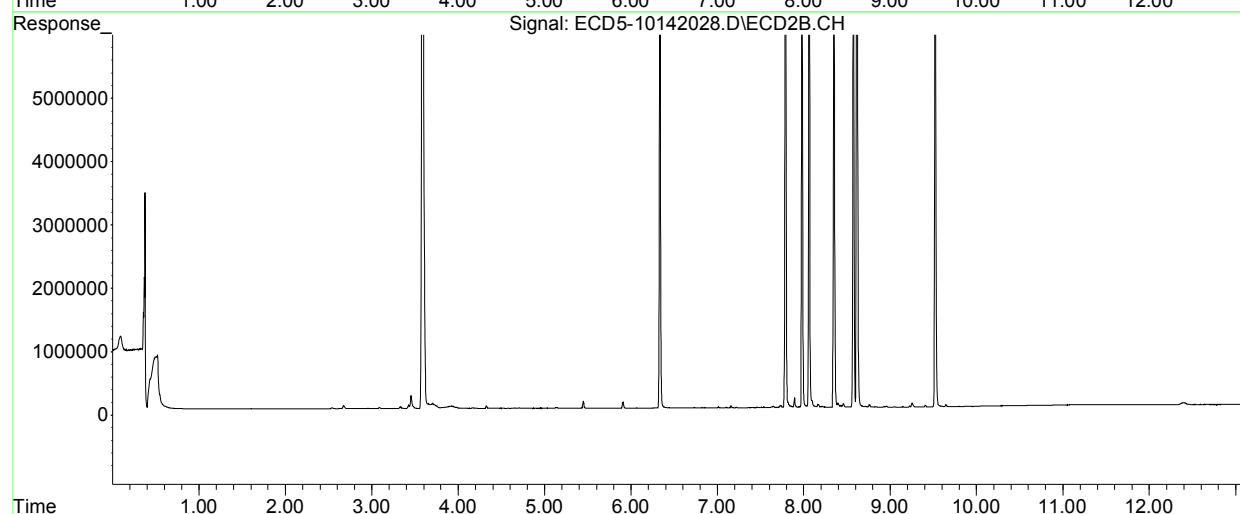
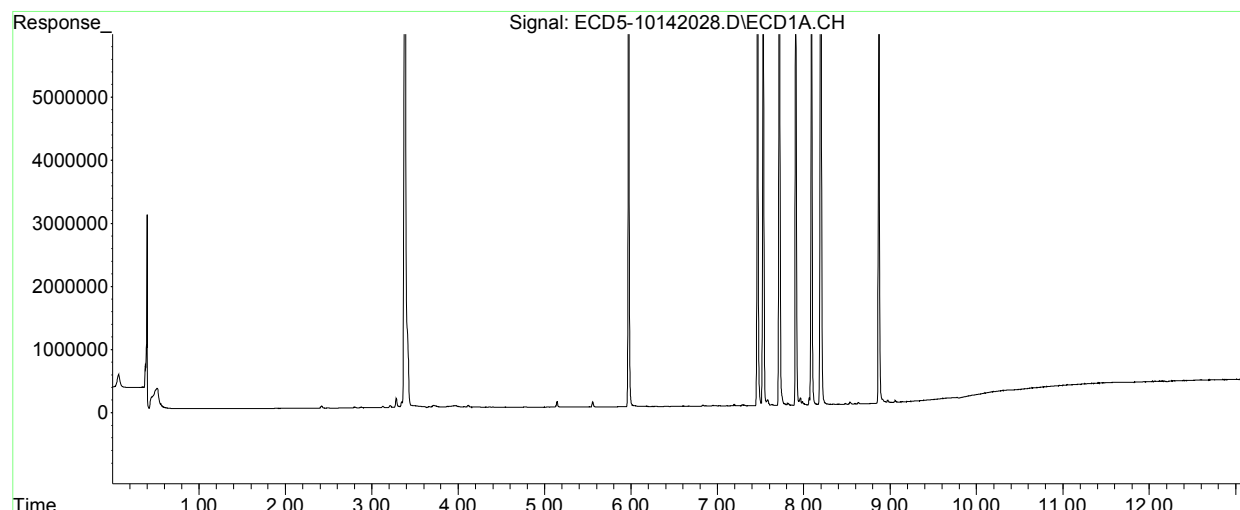
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 20:39
Operator : MJB
Sample : 0J14056-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:29:57 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Oct 14 18:23:10 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:56
 Operator : MJB
 Sample : 0J14056-CALH MJB 10/15/20
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:36:05 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.384	3.587	20265944	31642538	95.341	66.840 #
24) Hexachlor...	5.973	6.335	22763420	31843115	113.625	95.920
25) Oxychlorane	7.465	7.787	19185849	23999757	113.969	78.261 #
26) 2,4'-DDE	7.530	7.981	15255802	18843562	109.319	80.475 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 20:56
 Operator : MJB
 Sample : 0J14056-CALH
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:36:05 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.718	8.061	22501834	27697760	111.707	79.983 #
28)	2,4'-DDD	7.908	8.351	13752816	16438803	111.197	78.301 #
29)	2,4'-DDT	8.090	8.573	13882492	15094249	143.505	93.010 #
30)	cis-Nonac...	8.196	8.618	23940957	29338156	108.232	76.415 #
31)	Mirex	8.869	9.522	14218322	16056234	105.318	77.425 #
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

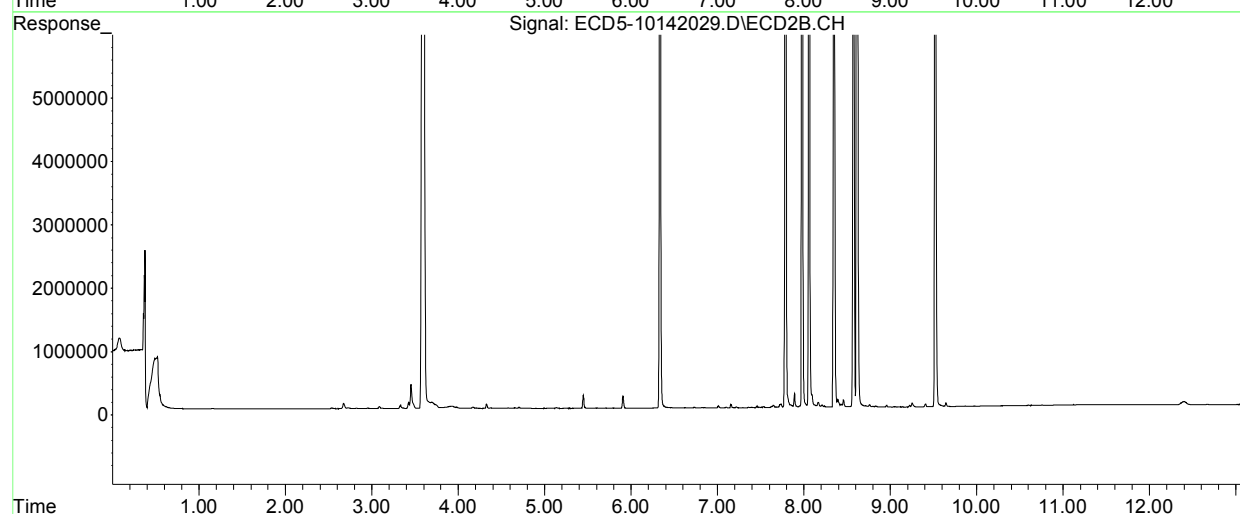
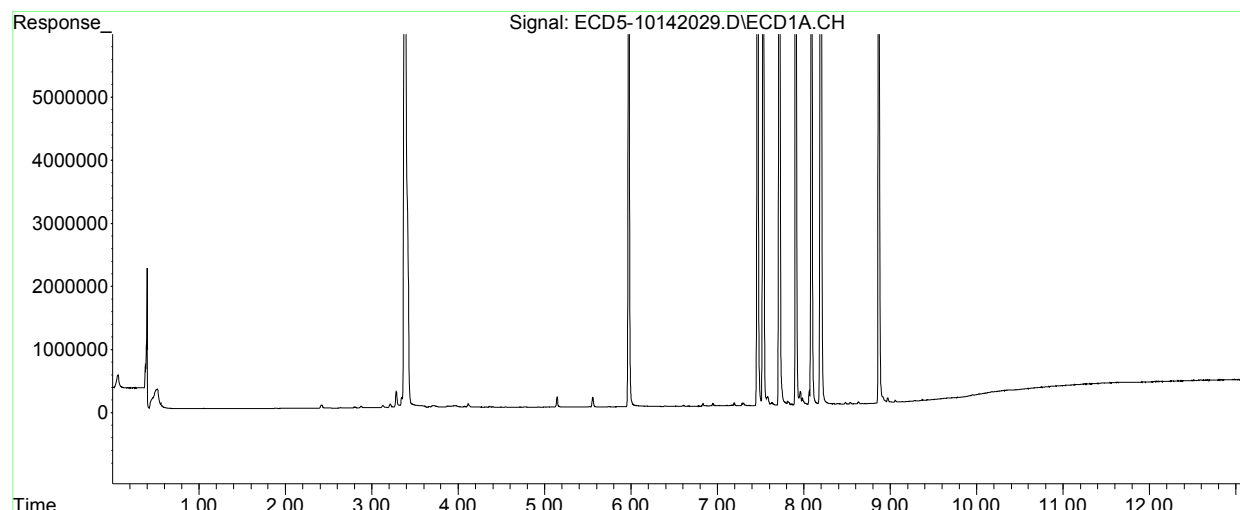
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 20:56
Operator : MJB
Sample : 0J14056-CALH
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:36:05 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:30:26 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 21:13
 Operator : MJB
 Sample : 0J14056-CALI MJB 10/15/20
 Misc : A20I179, 9-42 200 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:36:41 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.384	3.588	45895823	73023819	221.334	147.788 #
24) Hexachlor...	5.973	6.335	47655589	68056397	235.635	205.003
25) Oxychlorane	7.463	7.786	40755507	52080586	237.505	169.831 #
26) 2,4'-DDE	7.528	7.980	31170134	41228281	224.169	163.642 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 21:13
 Operator : MJB
 Sample : 0J14056-CALI
 Misc : A20I179, 9-42 200 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:36:41 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:30:26 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
27)	trans-Non...	7.716	8.060	47240427	60499948	229.324	163.893 #
28)	2,4'-DDD	7.906	8.350	28573910	35222352	225.939	167.770 #
29)	2,4'-DDT	8.089	8.572	29834951	36161564	308.408	188.159 #
30)	cis-Nonac...	8.195	8.618	50637102	64183868	225.455	167.175 #
31)	Mirex	8.867	9.522	30209770	34930206	221.264	158.782 #
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

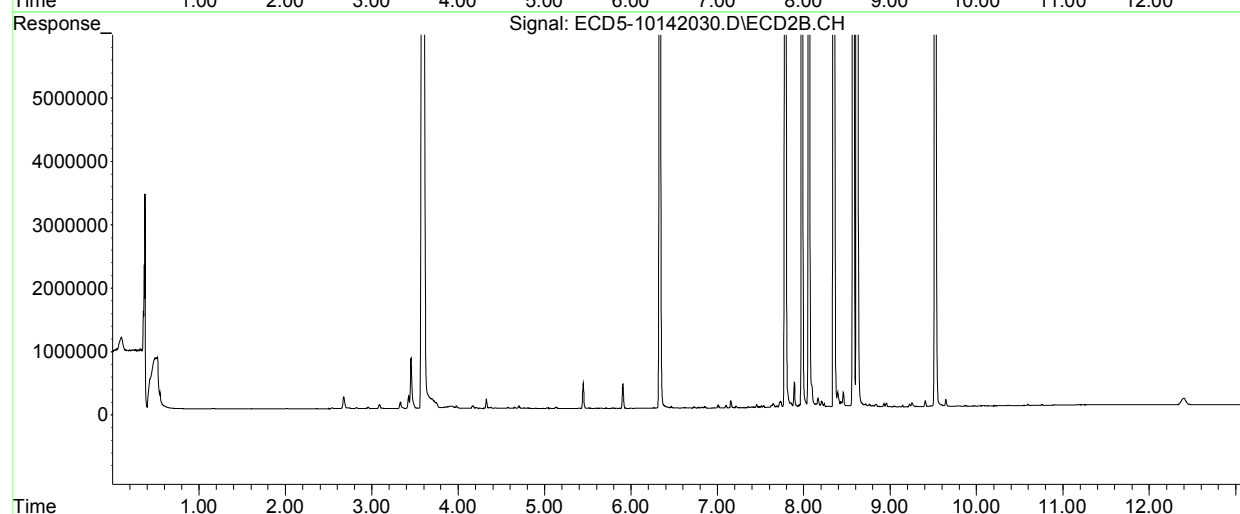
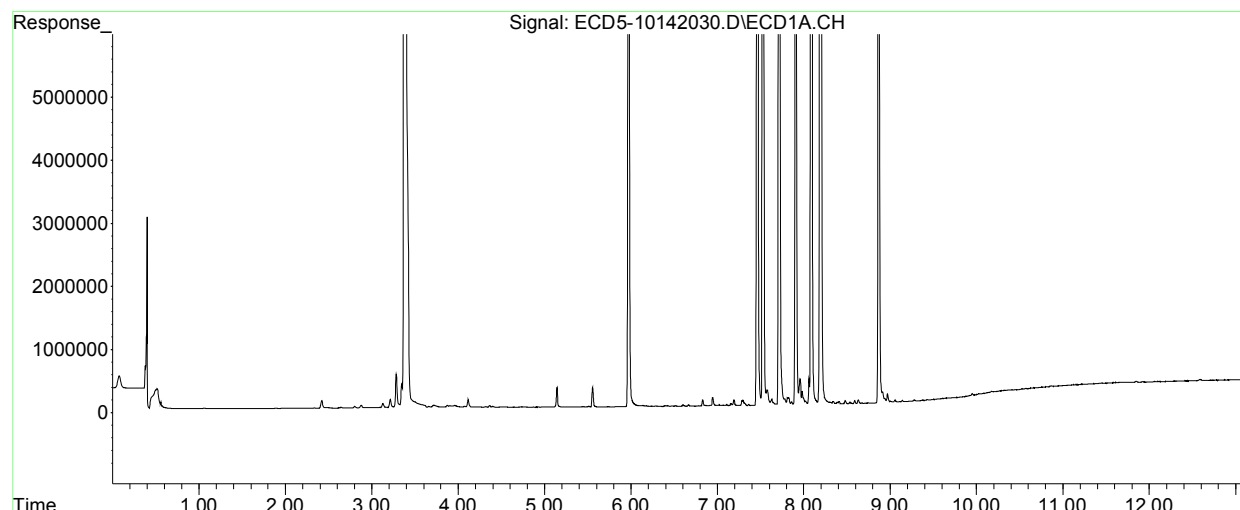
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 21:13
Operator : MJB
Sample : 0J14056-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:36:41 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:30:26 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:05
 Operator : MJB
 Sample : 0J14056-CALJ MJB 10/15/20
 Misc : A20J232, CHLOR 10 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:00:09 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:05
 Operator : MJB
 Sample : 0J14056-CALJ
 Misc : A20J232, CHLOR 10 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:00:09 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.635	7.994	304550	356975	12.735	7.947 #
33)	Chlordane...	7.728	8.100	307347	294489	11.606	7.826 #
34)	Chlordane...	8.287	8.753	90342	109674	14.302	11.108
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

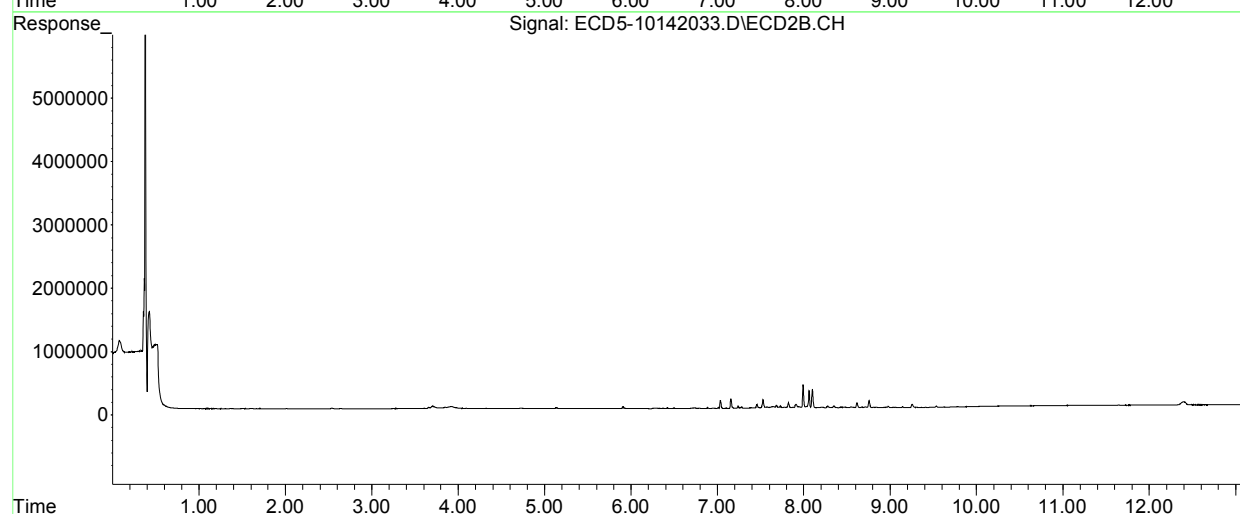
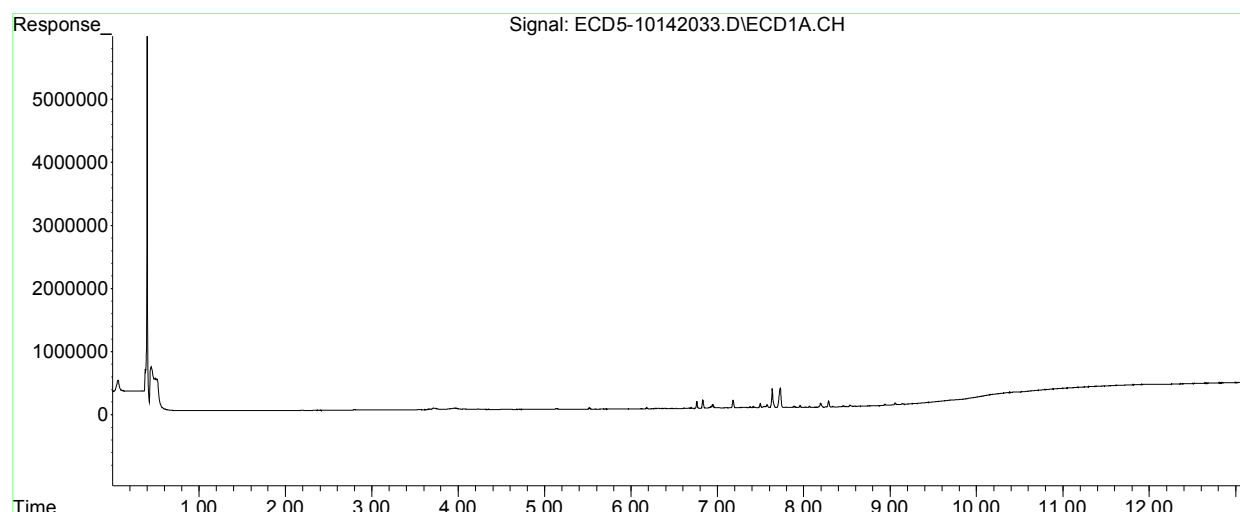
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:05
Operator : MJB
Sample : 0J14056-CALJ
Misc : A20J232, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:00:09 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:59:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:22
 Operator : MJB
 Sample : 0J14056-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:00:38 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:22
 Operator : MJB
 Sample : 0J14056-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:00:38 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.634	7.993	1334556	1636860	55.806	36.438 #
33)	Chlordane...	7.727	8.099	1346695	1325165	50.855	35.215 #
34)	Chlordane...	8.286	8.751	396365	418197	62.747	42.354 #
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

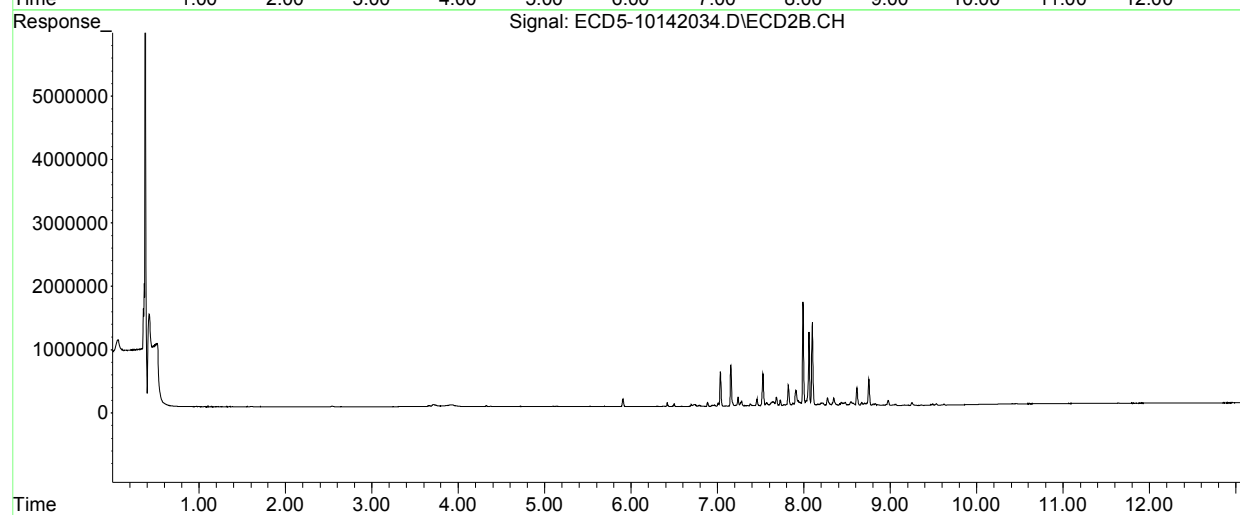
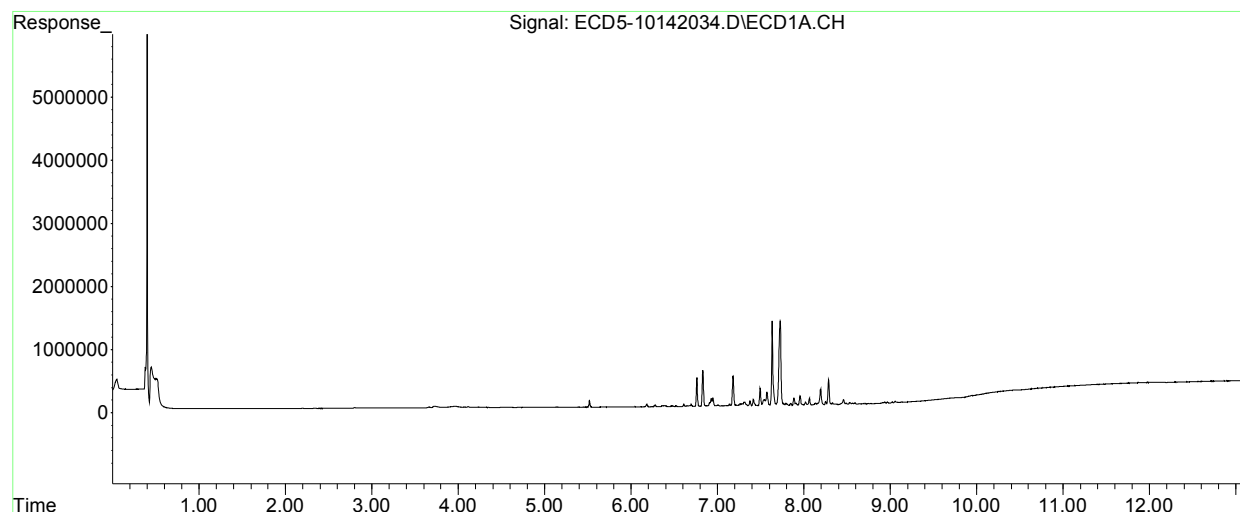
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:22
Operator : MJB
Sample : 0J14056-CALK
Misc : A20F057, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:00:38 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:59:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:39
 Operator : MJB MJB 10/15/20
 Sample : 0J14056-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:01:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:39
 Operator : MJB
 Sample : 0J14056-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:01:08 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.635	7.993	2655740	3329301	111.052	74.113 #
33)	Chlordane...	7.728	8.100	2729980	2770653	103.091	73.628 #
34)	Chlordane...	8.287	8.751	777703	832789	123.115	84.343 #
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

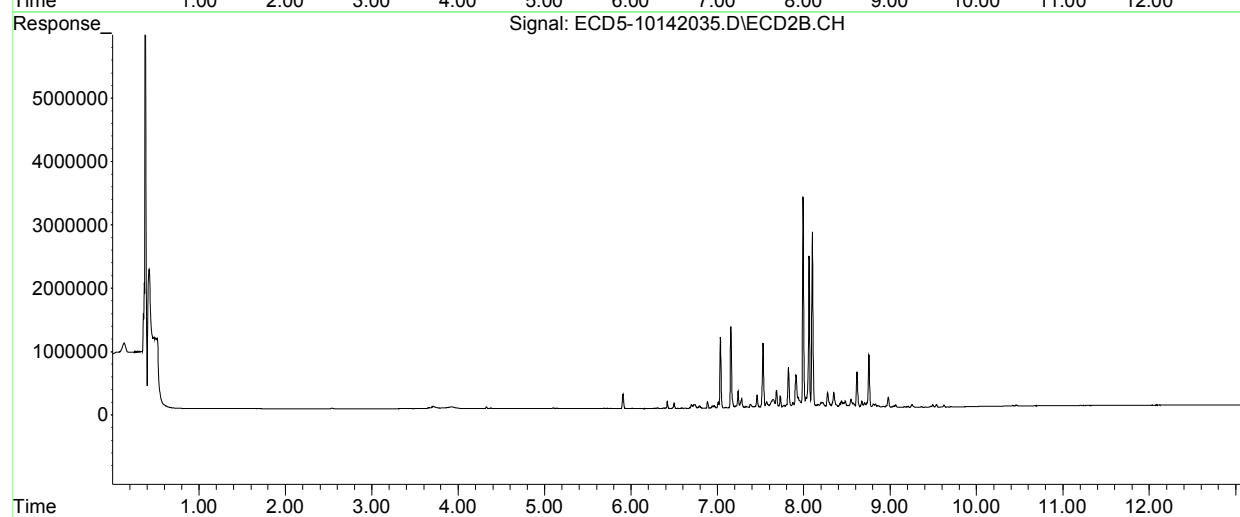
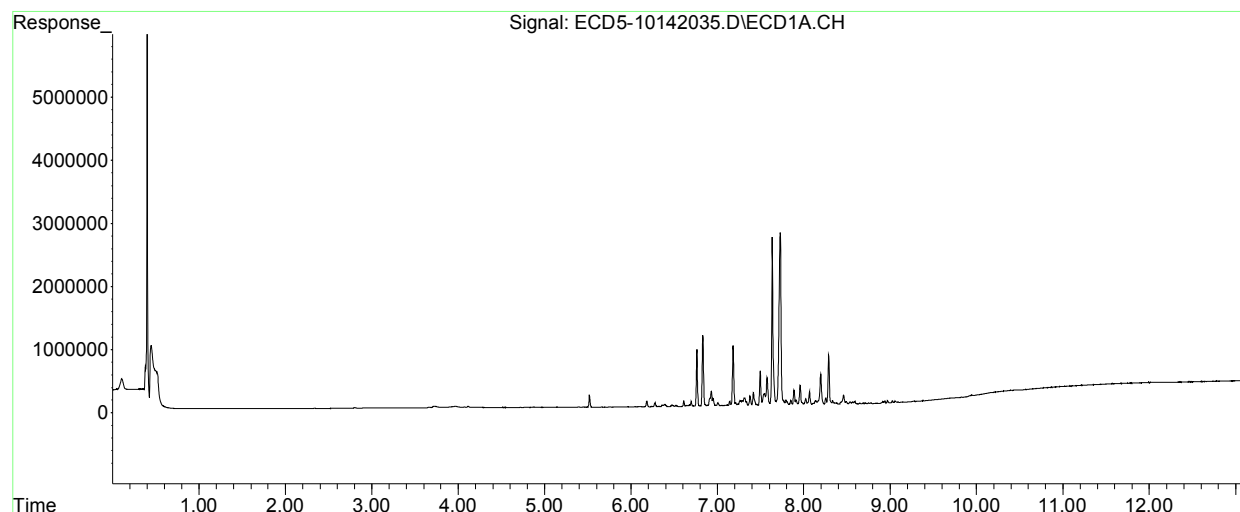
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:39
Operator : MJB
Sample : 0J14056-CALL
Misc : A20F058, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:01:08 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:59:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:56
 Operator : MJB
 Sample : 0J14056-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:01:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 22:56
 Operator : MJB
 Sample : 0J14056-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:01:46 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.635	7.994	5274036	6911106	220.538	153.847 #
33)	Chlordane...	7.728	8.100	5386626	5568695	203.414	147.983 #
34)	Chlordane...	8.287	8.752	1556390	1625382	246.386	164.615 #
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

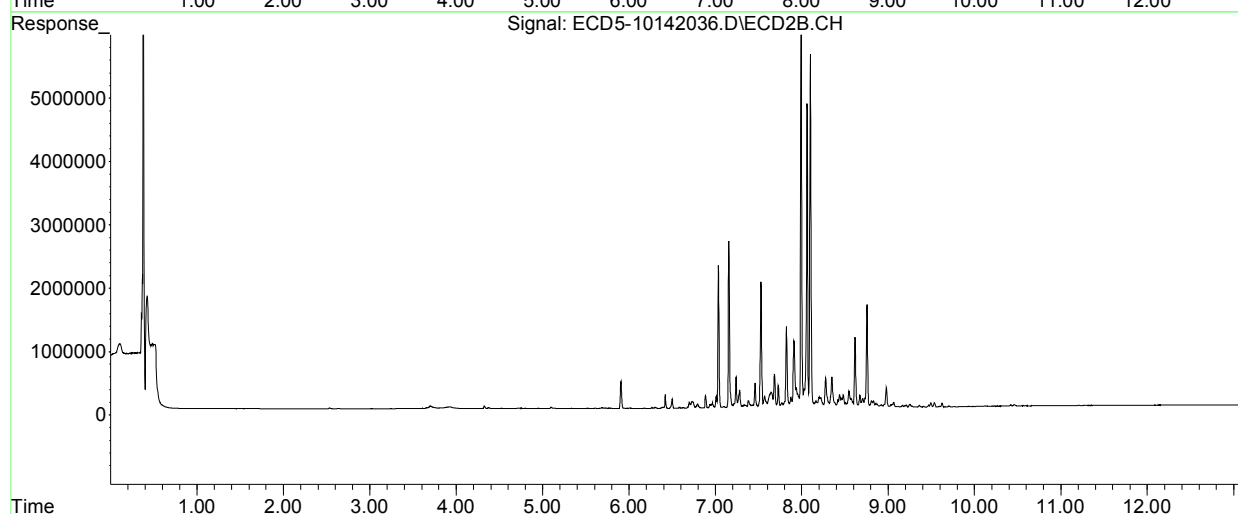
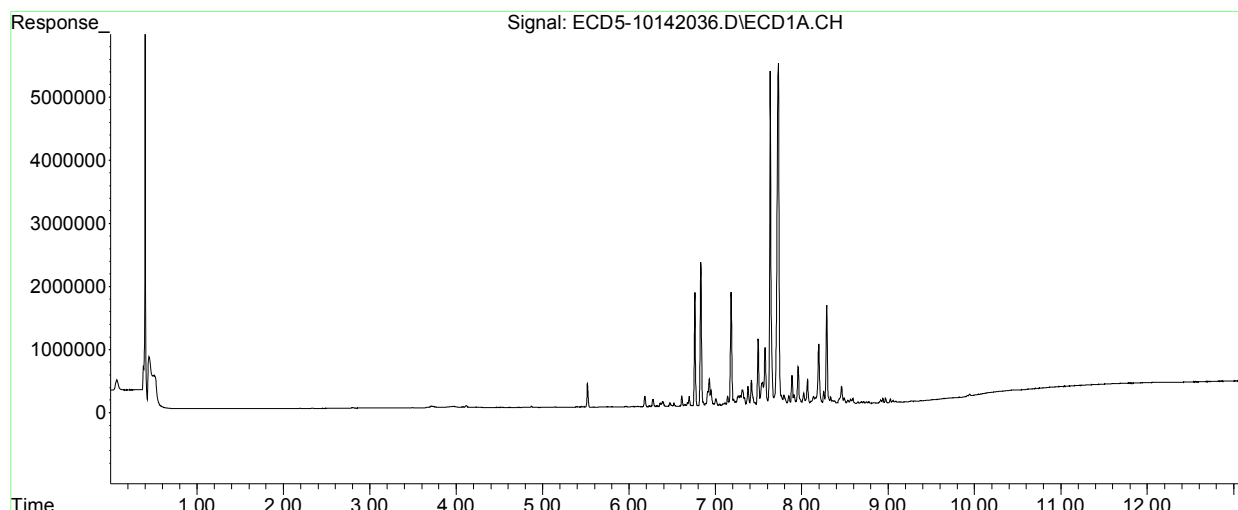
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 22:56
Operator : MJB
Sample : 0J14056-CALM
Misc : A20F059, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:01:46 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:59:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:14
 Operator : MJB
 Sample : 0J14056-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:59:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:14
 Operator : MJB
 Sample : 0J14056-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 10:59:13 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:38:19 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.634	7.994	13654042	18347035	570.955	408.420 #
33)	Chlordane...	7.725	8.100	13452829	14574069	508.016	387.293
34)	Chlordane...	8.287	8.752	3976029	4222031	629.429	427.598 #
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

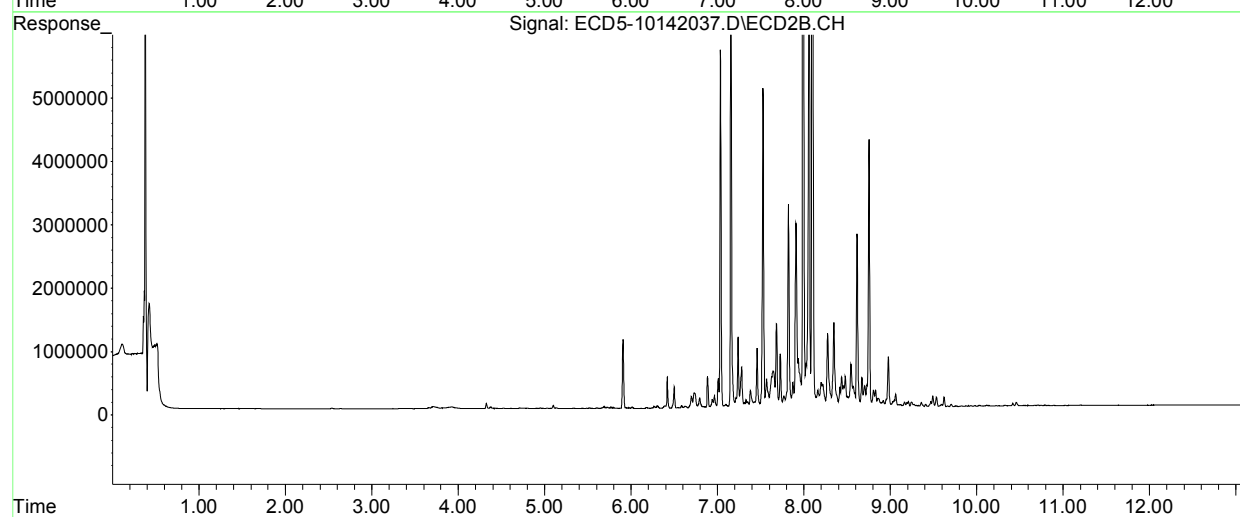
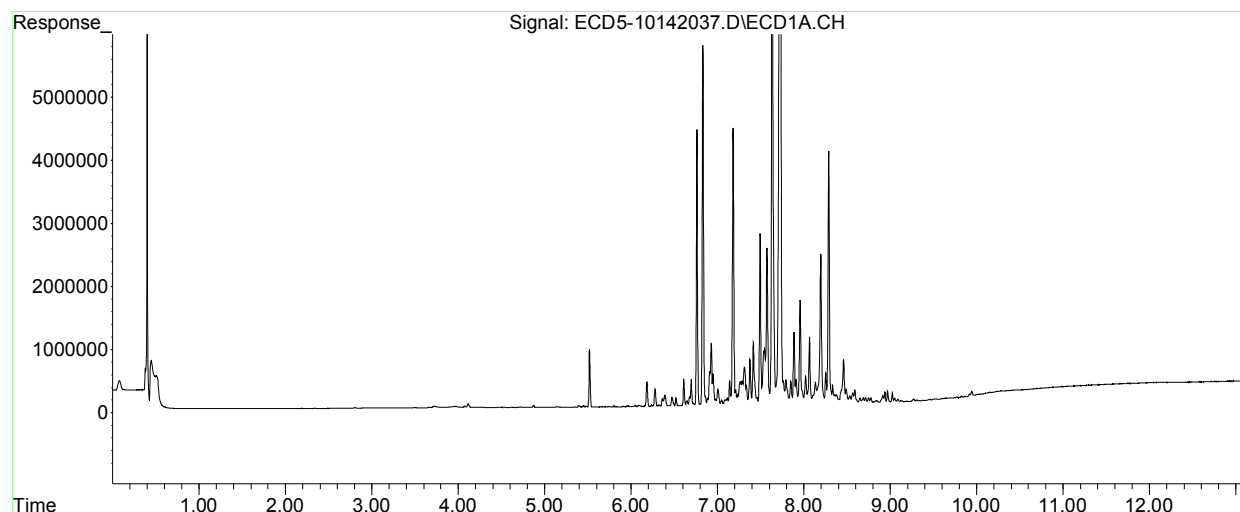
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 23:14
Operator : MJB
Sample : 0J14056-CALN
Misc : A20F060, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 10:59:13 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:38:19 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:32
 Operator : MJB
 Sample : 0J14056-CALO MJB 10/15/20
 Misc : A20F061, CHLOR 100 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:02:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:32
 Operator : MJB
 Sample : 0J14056-CALO
 Misc : A20F061, CHLOR 100 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:02:58 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.634	7.993	27016807	36455555	1129.730	811.530 #
33)	Chlordane...	7.727	8.100	28187565	29865994	1064.439	793.662 #
34)	Chlordane...	8.287	8.752	7956827	8880946	1259.613	899.442 #
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

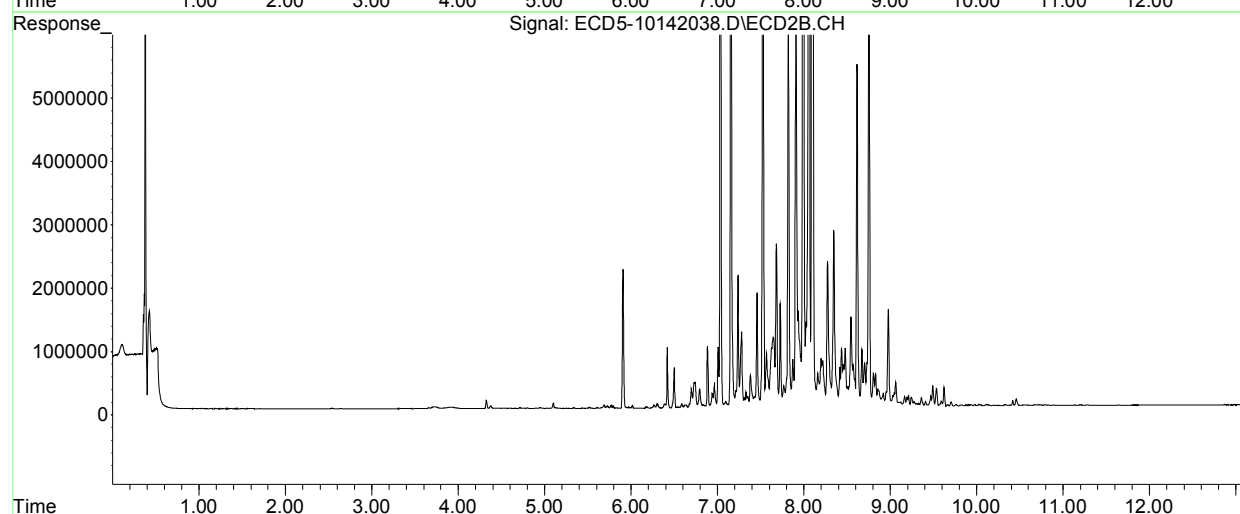
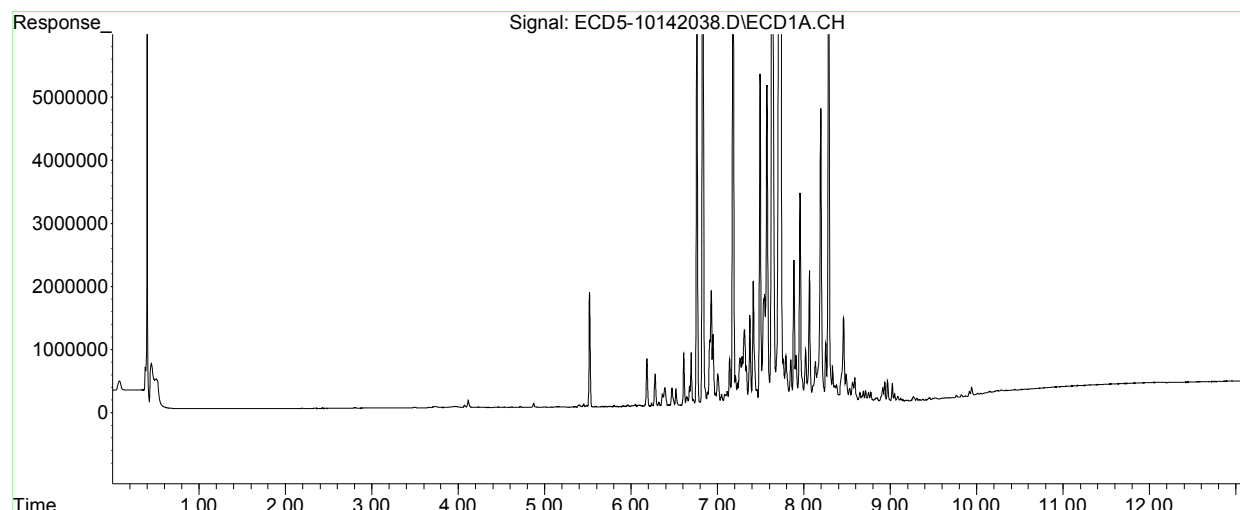
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 23:32
Operator : MJB
Sample : 0J14056-CALO
Misc : A20F061, CHLOR 100 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:02:58 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:59:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:49
 Operator : MJB
 Sample : 0J14056-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:03:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 Oct 2020 23:49
 Operator : MJB
 Sample : 0J14056-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:03:37 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.632	7.993	54827973	77172780	2292.678	1717.928 #
33)	Chlordane...	7.726	8.100	57325465	63019054	2164.766	1674.676
34)	Chlordane...	8.286	8.752	16167597	18198924	2559.426	1843.145 #
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

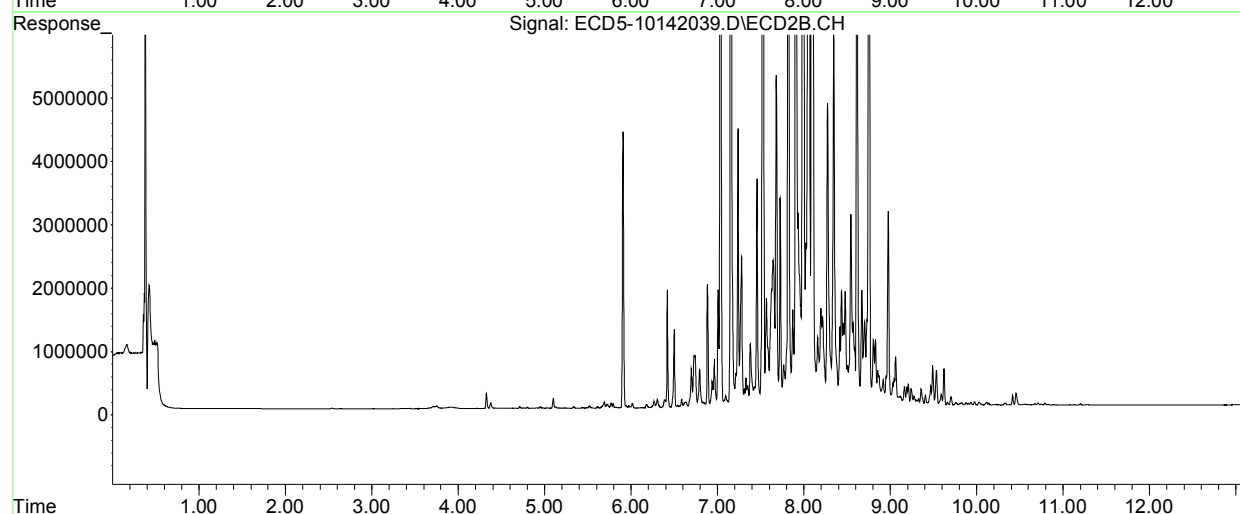
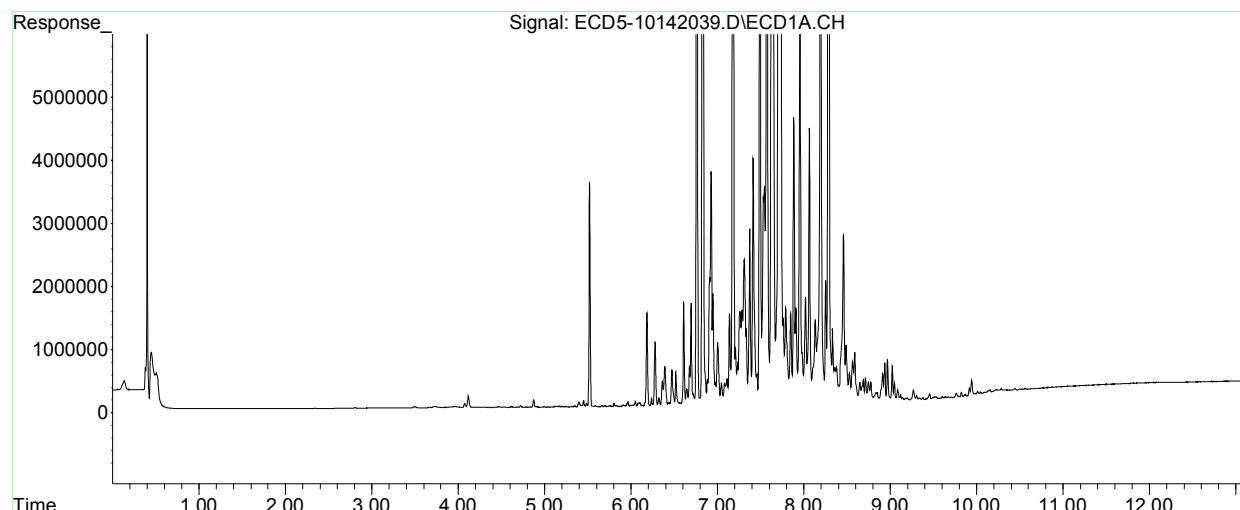
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 Oct 2020 23:49
Operator : MJB
Sample : 0J14056-CALP
Misc : A20F056, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:03:37 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:59:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:41
 Operator : MJB MJB 10/15/20
 Sample : 0J14056-CALQ
 Misc : A20J233, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:06:21 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:41
 Operator : MJB
 Sample : 0J14056-CALQ
 Misc : A20J233, TOX 10 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:06:21 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.719	8.327	12555	29330	13.206	9.760 #
37)	Toxaphene...	8.012	8.675	24856	35277	13.730	10.099 #
38)	Toxaphene...	8.332	8.708	47042	55840	13.626	10.452
39)	Toxaphene...	8.569	8.774	49818	90741	14.714	9.912 #
40)	Toxaphene...	8.802	8.953	36261	56924	14.416	11.260
41)	Toxaphene...	8.873	9.322	45002	53664	14.416	12.015
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

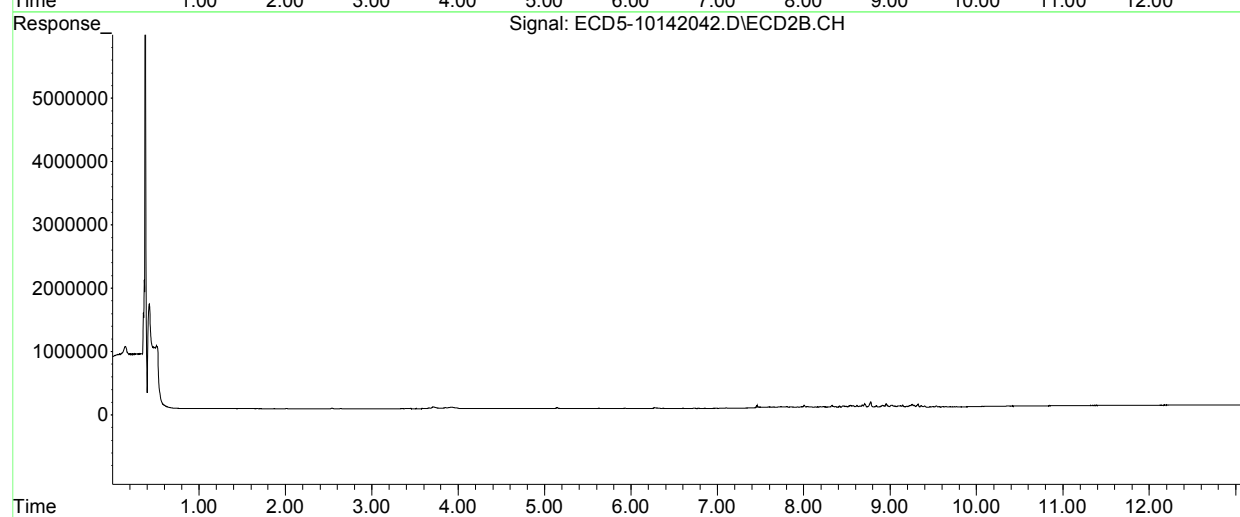
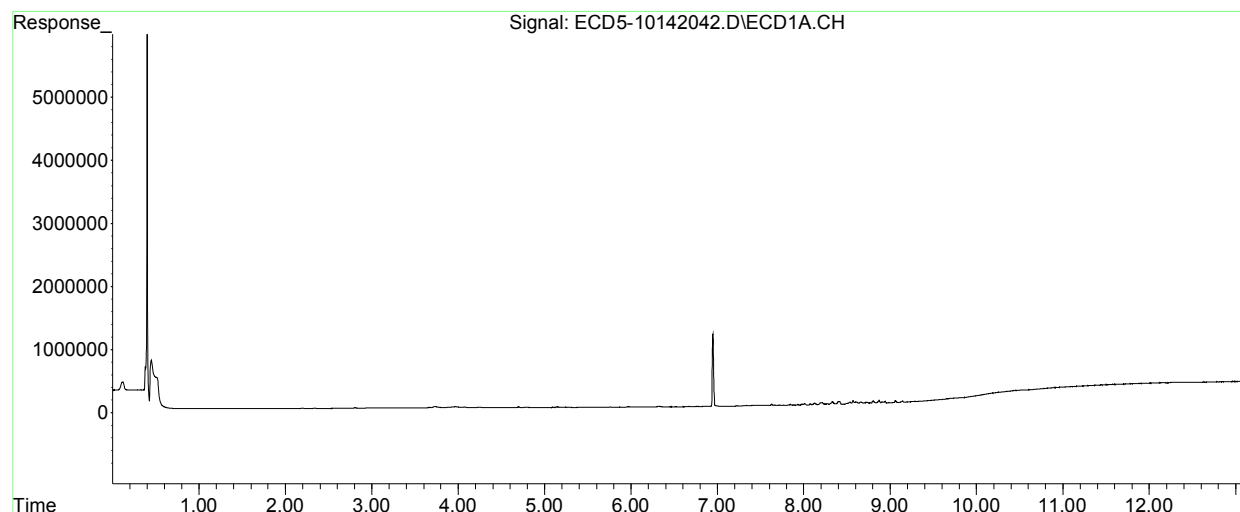
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 0:41
Operator : MJB
Sample : 0J14056-CALQ
Misc : A20J233, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:06:21 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:05:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:58
 Operator : MJB
 Sample : 0J14056-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:06:54 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 0:58
 Operator : MJB
 Sample : 0J14056-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:06:54 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.717	8.327	47028	143205	49.468	47.653
37)	Toxaphene...	8.011	8.675	108189	167605	59.761	47.982
38)	Toxaphene...	8.330	8.707	213060	234274	61.717	43.849 #
39)	Toxaphene...	8.568	8.774	219607	377227	64.863	41.206 #
40)	Toxaphene...	8.802	8.952	170790	231691	67.902	45.831 #
41)	Toxaphene...	8.871	9.322	200646	228420	64.276	50.789
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

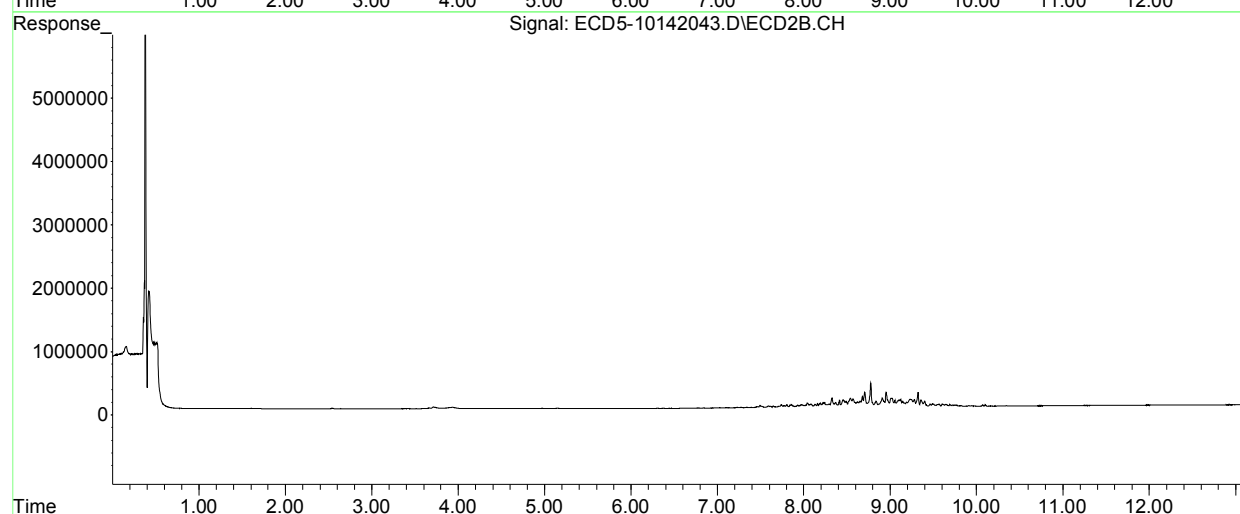
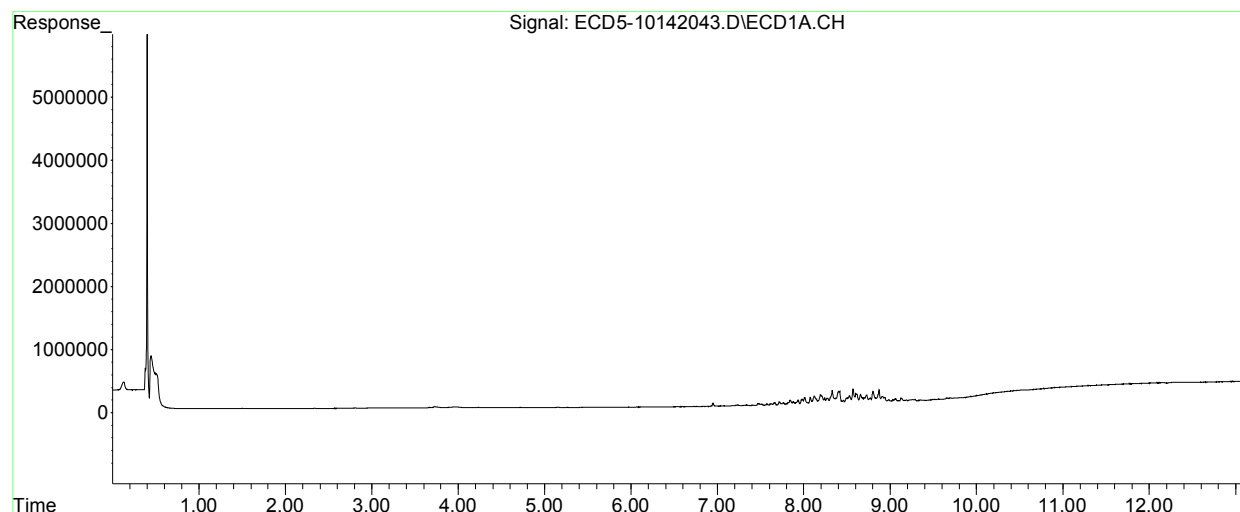
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 0:58
Operator : MJB
Sample : 0J14056-CALR
Misc : A20F064, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:06:54 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:05:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:15
 Operator : MJB
 Sample : 0J14056-CALS MJB 10/15/20
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:07:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:15
 Operator : MJB
 Sample : 0J14056-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:07:28 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.715	8.328	94938	274596	99.864	91.374
37)	Toxaphene...	8.011	8.675	219547	335190	121.273	95.958
38)	Toxaphene...	8.330	8.708	431516	467877	124.996	87.573 #
39)	Toxaphene...	8.568	8.774	442500	752568	130.696	82.206 #
40)	Toxaphene...	8.801	8.953	346542	453357	137.777	89.678 #
41)	Toxaphene...	8.871	9.323	399552	432629	127.994	95.539 #
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

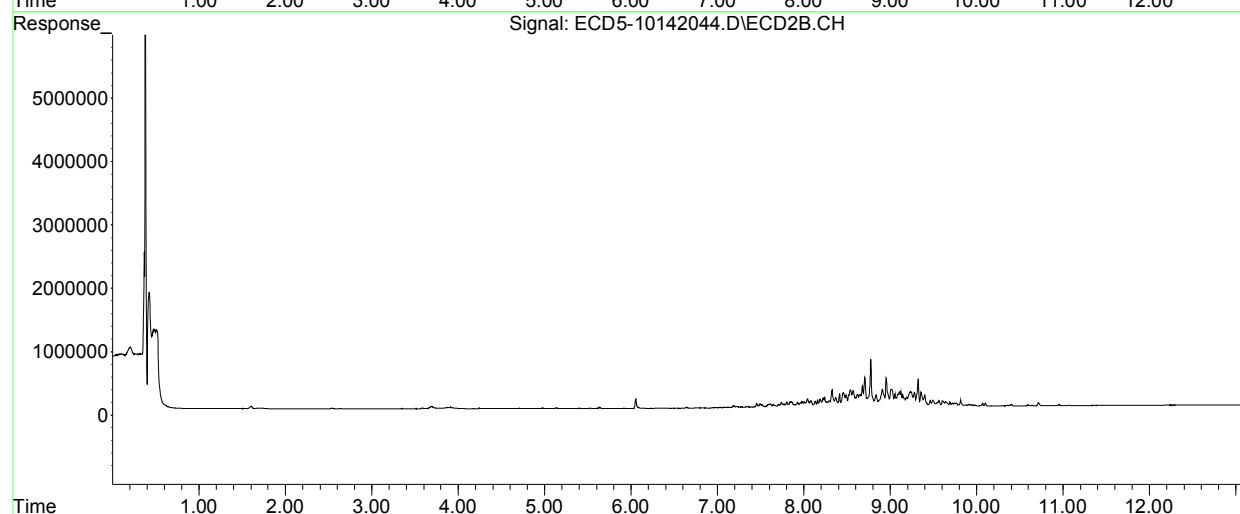
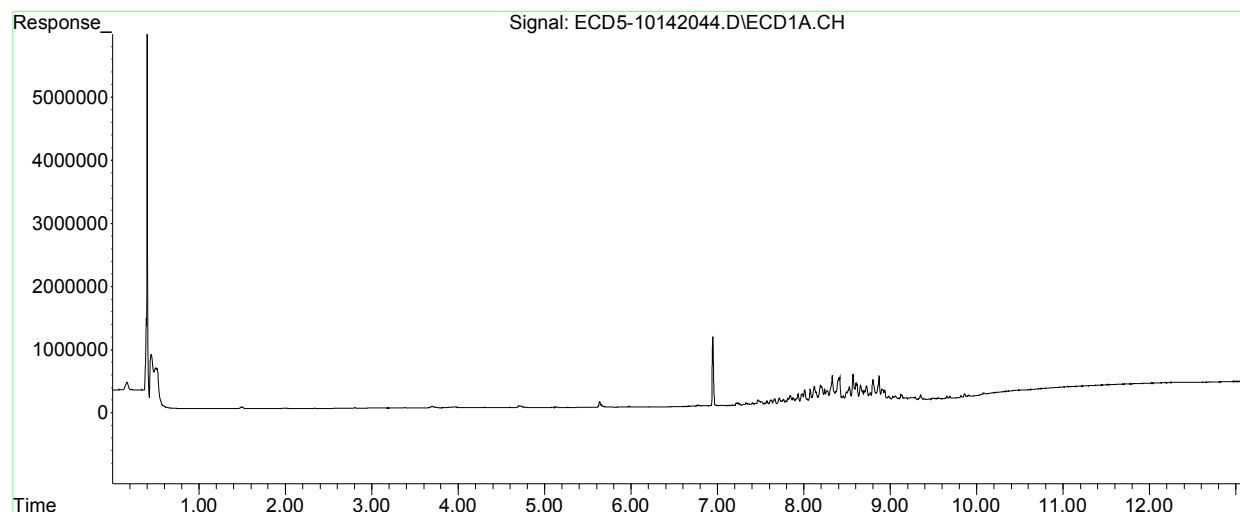
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 1:15
Operator : MJB
Sample : 0J14056-CALS
Misc : A20F065, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:07:28 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:05:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:33
 Operator : MJB
 Sample : 0J14056-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:08:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:33
 Operator : MJB
 Sample : 0J14056-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:08:04 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.717	8.326	178948	511160	188.233	170.093
37)	Toxaphene...	8.010	8.675	399138	594557	220.476	170.209
38)	Toxaphene...	8.329	8.707	785098	849986	227.417	159.092 #
39)	Toxaphene...	8.568	8.774	806552	1427424	238.222	155.924 #
40)	Toxaphene...	8.803	8.952	636088	841042	252.893	166.365 #
41)	Toxaphene...	8.870	9.322	764046	844436	244.758	184.043
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

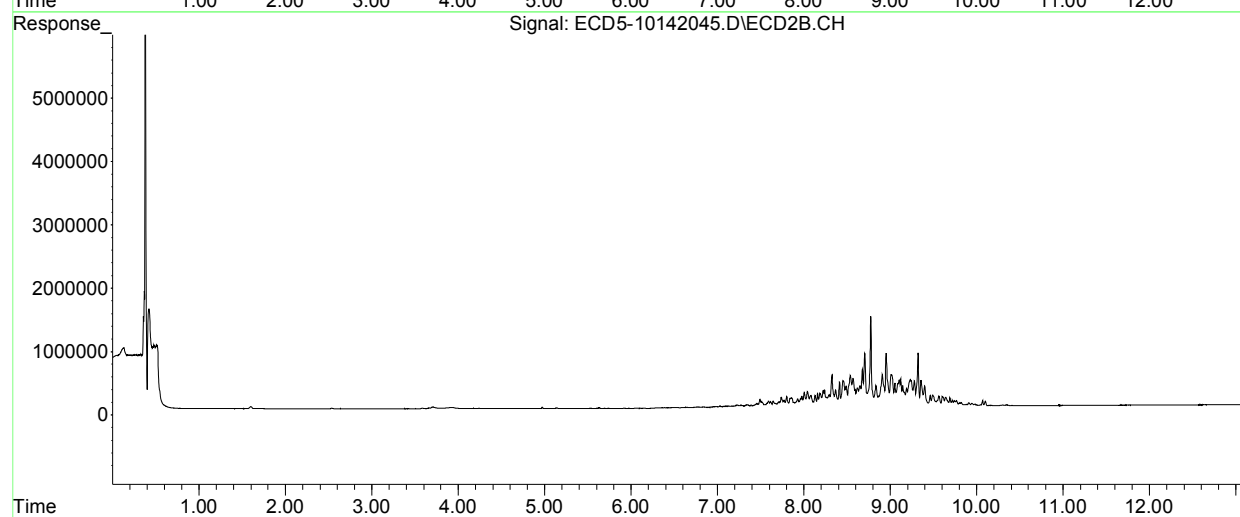
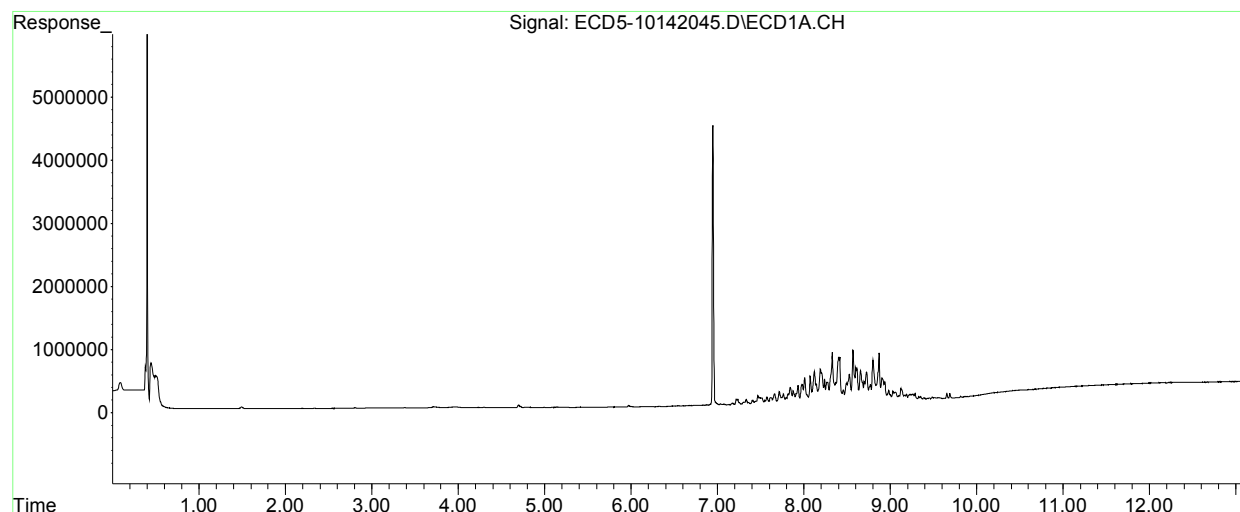
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 1:33
Operator : MJB
Sample : 0J14056-CALT
Misc : A20F066, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:08:04 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:05:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:50
 Operator : MJB
 Sample : 0J14056-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:05:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 1:50
 Operator : MJB
 Sample : 0J14056-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:05:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 10:59:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.717	8.328	483885	1288935	508.992	428.904
37)	Toxaphene...	8.012	8.676	1053998	1582264	582.207	452.970
38)	Toxaphene...	8.330	8.708	2095888	2243365	607.110	419.891 #
39)	Toxaphene...	8.569	8.775	2211804	3834253	653.276	418.832 #
40)	Toxaphene...	8.803	8.954	1826728	2289232	726.263	452.830 #
41)	Toxaphene...	8.872	9.323	2040358	2250663	653.617	470.706 #
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

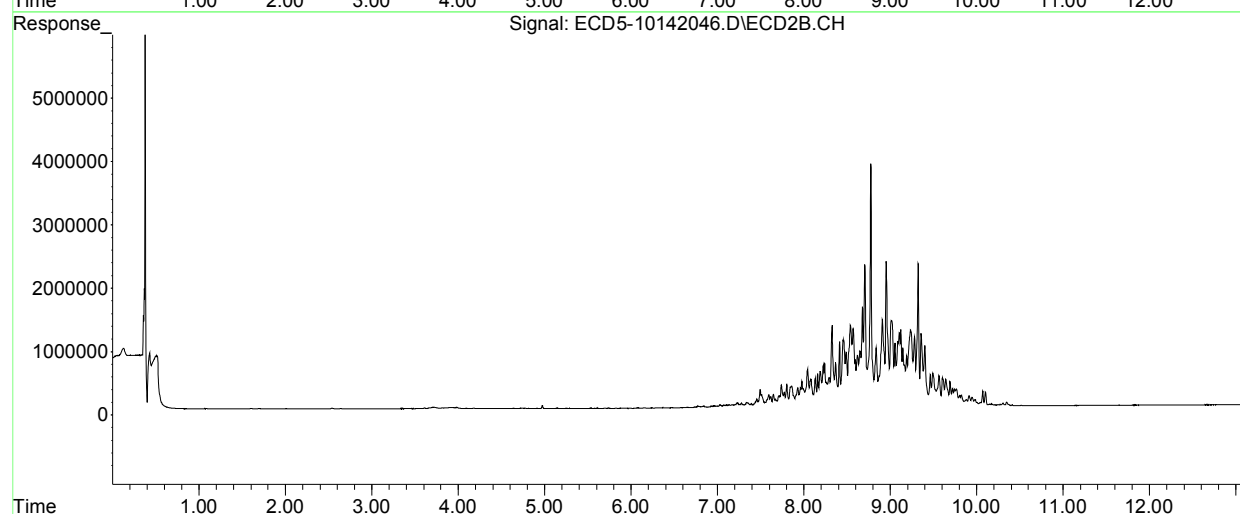
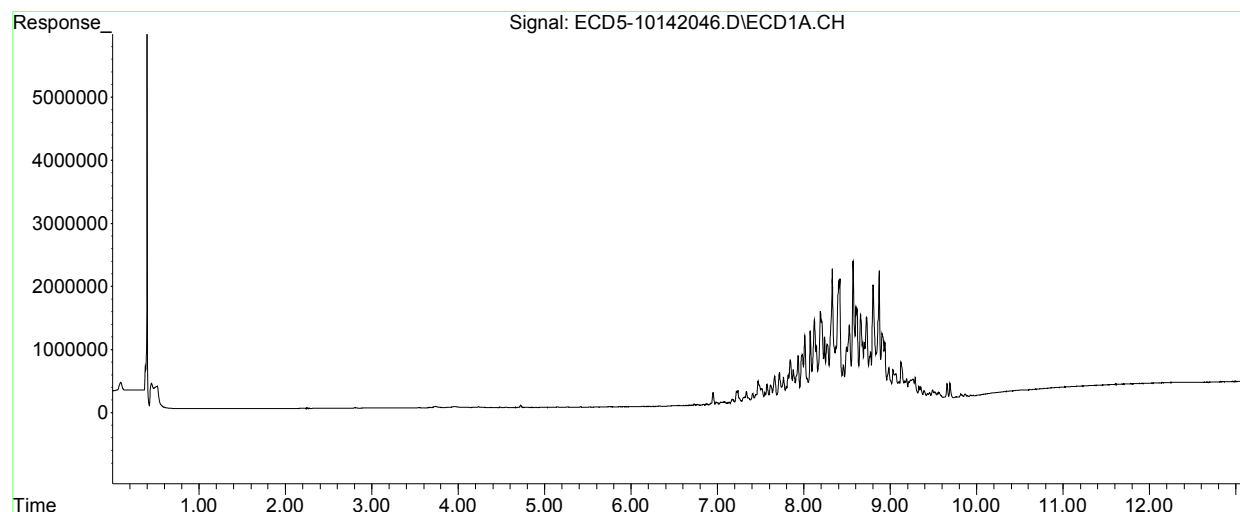
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 1:50
Operator : MJB
Sample : 0J14056-CALU
Misc : A20D430, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:05:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 10:59:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:07
 Operator : MJB
 Sample : 0J14056-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 10/15/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:08:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:07
 Operator : MJB
 Sample : 0J14056-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:08:44 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.715	8.327	1035009	2707259	1088.710	900.864
37)	Toxaphene...	8.010	8.675	2113258	3275662	1167.321	937.755
38)	Toxaphene...	8.329	8.707	4402201	4734432	1275.173	886.145 #
39)	Toxaphene...	8.567	8.774	4563231	8114254	1347.792	886.355 #
40)	Toxaphene...	8.802	8.953	3713660	4805037	1476.460	950.478 #
41)	Toxaphene...	8.871	9.322	4173509	4795078	1336.961	940.610 #
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

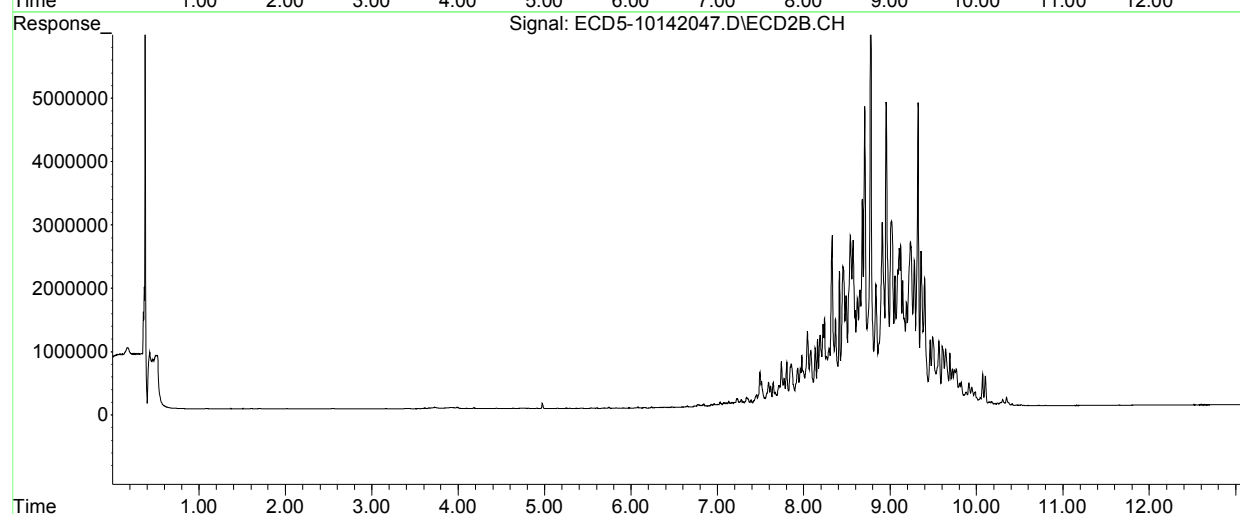
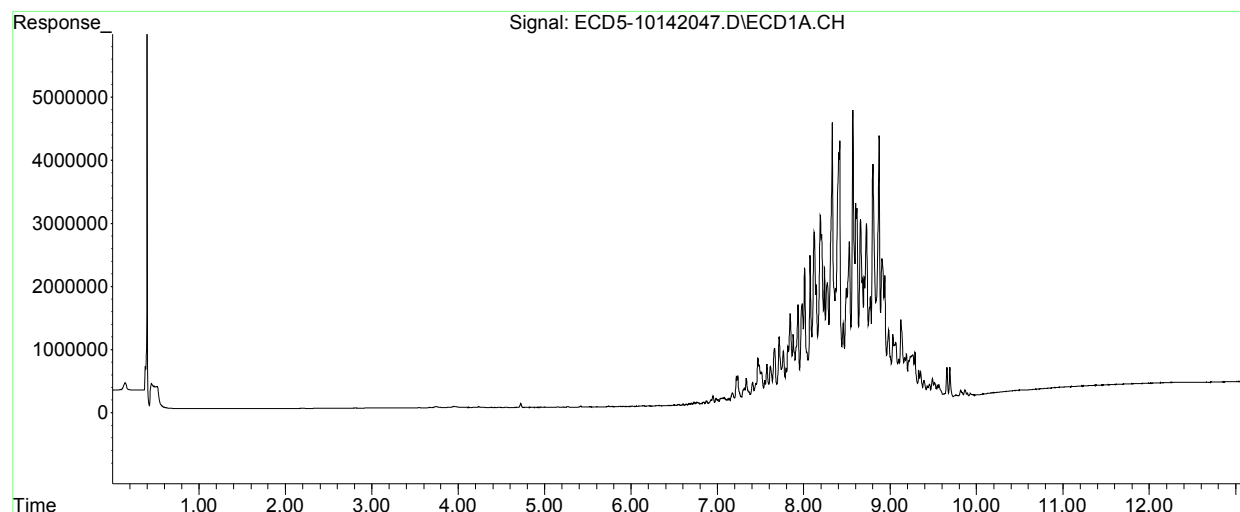
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 2:07
Operator : MJB
Sample : 0J14056-CALV
Misc : A20D431, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:08:44 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:05:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:24
 Operator : MJB
 Sample : 0J14056-CALW MJB 10/15/20
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:09:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
 Data File : ECD5-10142048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 15 Oct 2020 2:24
 Operator : MJB
 Sample : 0J14056-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 11:09:24 2020
 Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Oct 15 11:05:32 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
 Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
 Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
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...	7.714	8.327	2060224	5550124	2167.120	1846.852
37)	Toxaphene...	8.009	8.674	4281496	6900893	2365.011	1975.584
38)	Toxaphene...	8.327	8.706	8901901	9929921	2578.589	1858.586 #
39)	Toxaphene...	8.566	8.773	9513358	16911794	2809.857	1847.348 #
40)	Toxaphene...	8.800	8.952	7646412	10015855	3040.027	1981.222 #
41)	Toxaphene...	8.870	9.321	8420013	10198707	2697.306	1797.281 #
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

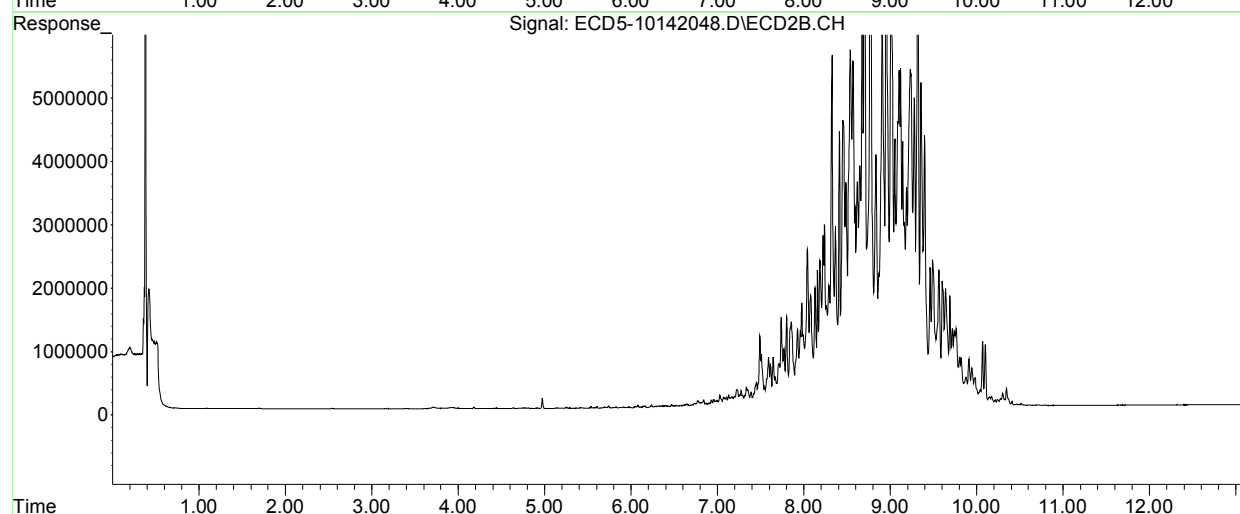
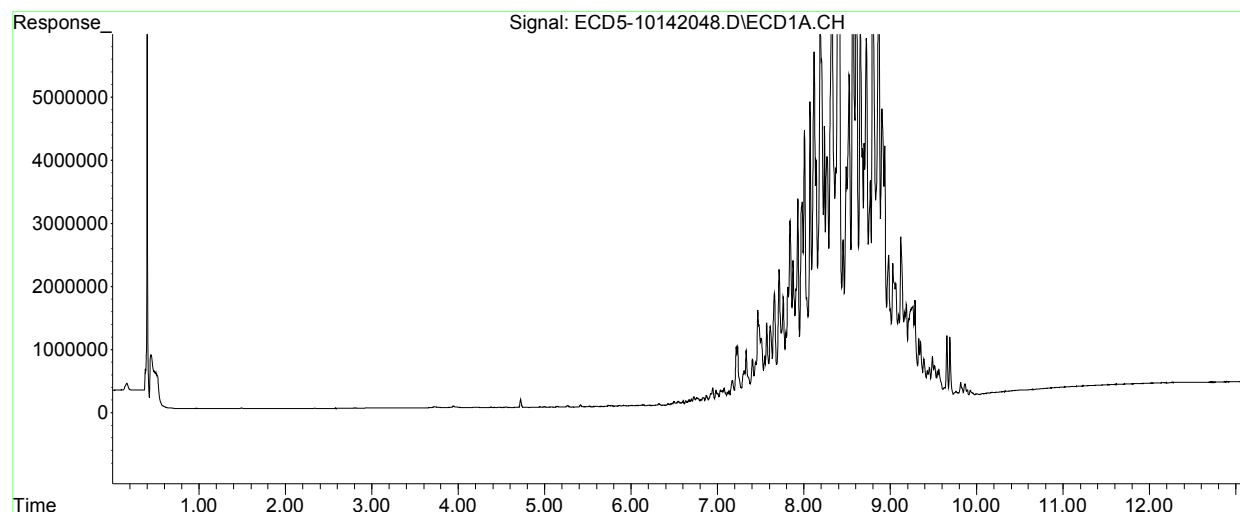
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J14056\
Data File : ECD5-10142048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 Oct 2020 2:24
Operator : MJB
Sample : 0J14056-CALW
Misc : A20F063, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 11:09:24 2020
Quant Method : C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Oct 15 11:05:32 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



**Organochloride Pesticides by EPA 8081B
Calibration Data**

Sequence 0J15061 (Cal ID A0J2107) DUALECD8



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **OJ15061**

Instrument: **DUALECD8**

Date: **10/15/20 16:48**

Calibration: **A0J2107**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ15061-BKD1	Water	QC	QC				A20H479
2	OJ15061-ICB1	Water	QC	QC				A20J148
3	OJ15061-CAL1	Water	QC	QC				A20J274
4	OJ15061-CAL2	Water	QC	QC				A20J275
5	OJ15061-CAL3	Water	QC	QC				A20H471
6	OJ15061-CAL4	Water	QC	QC				A20H472
7	OJ15061-CAL5	Water	QC	QC				A20H473
8	OJ15061-CAL6	Water	QC	QC				A20H474
9	OJ15061-CAL7	Water	QC	QC				A20H475
10	OJ15061-CAL8	Water	QC	QC				A20H476
11	OJ15061-CAL9	Water	QC	QC				A20H470
12	OJ15061-IBL1	Water	QC	QC				
13	OJ15061-ICV1	Water	QC	QC				A20I130
14	OJ15061-CALA	Water	QC	QC				A20J276
15	OJ15061-CALB	Water	QC	QC				A20I180
16	OJ15061-CALC	Water	QC	QC				A20I181
17	OJ15061-CALD	Water	QC	QC				A20I182
18	OJ15061-CALE	Water	QC	QC				A20I183
19	OJ15061-CALF	Water	QC	QC				A20I184
20	OJ15061-CALG	Water	QC	QC				A20I185
21	OJ15061-CALH	Water	QC	QC				A20I186
22	OJ15061-CALI	Water	QC	QC				A20I179
23	OJ15061-IBL2	Water	QC	QC				
24	OJ15061-ICV2	Water	QC	QC				A20I187
25	OJ15061-CALJ	Water	QC	QC				A20J277
26	OJ15061-CALK	Water	QC	QC				A20F057
27	OJ15061-CALL	Water	QC	QC				A20F058
28	OJ15061-CALM	Water	QC	QC				A20F059
29	OJ15061-CALN	Water	QC	QC				A20F060
30	OJ15061-CALO	Water	QC	QC				A20F061
31	OJ15061-CALP	Water	QC	QC				A20F056
32	OJ15061-IBL3	Water	QC	QC				
33	OJ15061-ICV3	Water	QC	QC				A20F062
34	OJ15061-CALQ	Water	QC	QC				A20J278
35	OJ15061-CALR	Water	QC	QC				A20F064
36	OJ15061-CALS	Water	QC	QC				A20F065
37	OJ15061-CALT	Water	QC	QC				A20F066
38	OJ15061-CALU	Water	QC	QC				A20D430
39	OJ15061-CALV	Water	QC	QC				A20D431
40	OJ15061-CALW	Water	QC	QC				A20F063
41	OJ15061-IBL4	Water	QC	QC				
42	OJ15061-ICV4	Water	QC	QC				A20F067

Data Entered By/Date: MJB 10/21/20

Comments: **ICAL**

Data Reviewed By/Date: MKZ 10/22/2020

10/21/2020 1:49:27PM

Page 1 of 1

Calibration Status Report DUALECD8

A0J2107

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_201015.M
 Title : Instrument: DualECD8
 Last Update : Tue Oct 20 17:18:04 2020
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152037.D
2	2	50	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152038.D
3	3	100	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152039.D
4	4	200	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152040.D
5	5	500	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152041.D
6	6	1000	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152042.D
7	7	2000	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152043.D
8	8	-1	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152024.D
9	9	-1	0	C:\msdchem\1\data\2020-10\0J15061\ECD8-10152025.D

MJB 10/21/20

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Oct 20 17:17 2020	Oct 20 17:01 2020	16 Oct 2020 3:04
2	2	Oct 20 17:17 2020	Oct 20 17:01 2020	16 Oct 2020 3:20
3	3	Oct 20 17:17 2020	Oct 20 17:02 2020	16 Oct 2020 3:37
4	4	Oct 20 17:17 2020	Oct 20 17:02 2020	16 Oct 2020 3:53
5	5	Oct 20 17:17 2020	Oct 20 17:00 2020	16 Oct 2020 4:10
6	6	Oct 20 17:17 2020	Oct 20 17:03 2020	16 Oct 2020 4:26
7	7	Oct 20 17:18 2020	Oct 20 17:04 2020	16 Oct 2020 4:43
8	8	Oct 20 17:07 2020	Oct 20 16:52 2020	15 Oct 2020 23:29
9	9	Oct 20 17:07 2020	Oct 20 16:53 2020	15 Oct 2020 23:46

ECD8_QUANTPEST_201015.M Wed Oct 21 11:49:40 2020

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_201015.M
 Title : Instrument: DualECD8
 Last Update : Tue Oct 20 17:18:04 2020
 Response Via : Initial Calibration

MJB 10/21/20

Calibration Files

1 =ECD8-10152037.D 2 =ECD8-10152038.D 3 =ECD8-10152039.D 4 =ECD8-10152040.D
 5 =ECD8-10152041.D 6 =ECD8-10152042.D 7 =ECD8-10152043.D 8 =ECD8-10152024.D
 9 =ECD8-10152025.D

Compound		1	2	3	4	5	6	7	8	9	Avg	%RSD	
1) S	TCMX (S)	3.929	3.675	3.487	3.391	3.379	3.464	3.426	3.539	3.536	3.536	E6	4.89
2)	a-BHC	4.657	4.586	4.532	4.550	4.595	4.804	4.756	4.929	4.995	4.712	E6	3.59
3)	g-BHC	4.143	3.907	3.847	3.714	3.900	4.013	3.994	4.324	4.379	4.025	E6	5.47
4)	b-BHC	1.634	1.541	1.510	1.394	1.425	1.520	1.551	1.730	1.744	1.561	E6	7.79
5)	Heptachlor	4.177	4.125	3.917	3.827	3.917	4.067	3.940	4.255	4.302	4.059	E6	4.12
6)	d-BHC	2.795	2.771	2.954	2.945	3.031	3.315	3.411	3.845	4.062	3.237	E6	14.27
7)	Aldrin	3.968	3.890	3.780	3.809	3.914	3.913	3.878	4.158	4.044	3.928	E6	2.96
8)	Heptachlor Exp...	3.969	3.780	3.556	3.570	3.539	3.584	3.514	3.701	3.691	3.656	E6	4.02
9)	trans-Chlordane	3.851	3.633	3.612	3.480	3.530	3.655	3.660	3.867	3.855	3.683	E6	3.90
10)	cis-Chlordane	3.887	3.711	3.473	3.474	3.541	3.551	3.515	3.725	3.722	3.622	E6	3.98
11)	Endosulfan I	3.613	3.421	3.423	3.279	3.283	3.359	3.295	3.460	3.479	3.401	E6	3.24
12)	4,4'-DDE	2.977	2.807	2.916	2.871	3.025	3.167	3.303	3.628	3.667	3.151	E6	10.13
13)	Dieldrin	3.781	3.677	3.609	3.617	3.755	3.745	3.744	3.958	3.926	3.757	E6	3.23
14)	Endrin	2.686	2.564	2.599	2.529	2.597	2.748	2.777	3.089	3.090	2.742	E6	7.79
15)	4,4'-DDD	2.676	2.562	2.554	2.463	2.561	2.715	2.682	3.139	3.124	2.720	E6	9.06
16)	Endosulfan II	3.065	2.929	2.888	2.764	2.851	2.908	2.847	3.121	3.136	2.945	E6	4.47
17)	4,4'-DDT	2.405	2.341	2.388	2.338	2.510	2.748	2.758	3.214	3.322	2.669	E6	14.07
18)	Endrin Aldehyde	4.347	3.908	3.679	2.956	2.788	2.743	2.686	2.824	2.918	3.205	E6	19.01
19)	Endosulfan Sul...	3.464	3.157	2.953	2.793	2.810	2.880	2.851	3.010	2.981	2.989	E6	7.07
20)	Methoxychlor	1.425	1.332	1.357	1.265	1.266	1.304	1.280	1.584	1.577	1.377	E6	9.16
21)	Endrin Ketone	4.138	3.789	3.637	3.605	3.561	3.534	3.560	3.682	3.775	3.698	E6	5.11
22) S	DCBP (S)	3.733	3.198	2.851	2.573	2.566	2.493	2.431	2.544	2.545	2.770	E6	15.58
23)	Hexachlorobuta...	4.478	3.775	3.564	3.292	3.139	3.152	3.362	3.207	3.605	3.508	E6	12.12
24)	Hexachlorobenzene	3.941	3.664	3.270	3.091	3.152	3.191	3.191	3.225	3.381	3.345	E6	8.37
25)	Oxychlordane	3.876	3.611	3.104	3.019	3.085	3.097	2.992	3.048	3.234	3.229	E6	9.49
26)	2,4'-DDE	2.403	2.331	1.951	1.915	2.017	2.089	2.067	2.101	2.269	2.127	E6	8.00
27)	trans-Nonachlor	4.327	3.911	3.429	3.358	3.448	3.520	3.381	3.432	3.713	3.613	E6	8.91

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_201015.M
 Title : Instrument: DualECD8
 Last Update : Tue Oct 20 17:18:04 2020

28)	2,4'-DDD	2.250	2.191	1.841	1.750	1.765	1.864	1.780	1.858	1.992	1.921	E6	9.63
29)	2,4'-DDT	2.443	2.264	1.871	1.917	1.970	2.100	2.163	2.207	2.377	2.146	E6	9.33
30)	cis-Nonachlor	4.723	4.531	3.734	3.574	3.715	3.743	3.679	3.782	4.012	3.944	E6	10.33
31)	Mirex	3.652	3.315	2.722	2.410	2.437	2.363	2.261	2.287	2.431	2.653	E6	18.69
32)	Chlordane (1)	4.102	3.908	4.010	4.192	4.181	3.973	4.471			4.120	E5	4.55
33)	Chlordane (2)	4.385	4.171	4.093	4.184	4.132	3.975	4.402			4.192	E5	3.68
34)	Chlordane (3)	1.338	1.251	1.247	1.269	1.283	1.267	1.373			1.290	E5	3.69
35)	Chlordane - AVE										0.000		-1.00
36)	Toxaphene (1)	1.447	1.453		1.464	1.471	1.501	1.591			1.488	E4	3.62
37)	Toxaphene (2)	3.307	3.297		3.266	3.224	3.273	3.396			3.294	E4	1.75
38)	Toxaphene (3)	6.884	6.809		6.691	6.899	6.946	7.366			6.932	E4	3.32
39)	Toxaphene (4)	8.066	7.198		7.170	7.061	7.446	7.711			7.442	E4	5.17
40)	Toxaphene (5)	5.431	5.740		5.792	5.920	6.188	6.547			5.936	E4	6.53
41)	Toxaphene (6)	6.815	6.489		6.505	6.607	6.724	7.255			6.733	E4	4.24
42)	Toxaphene - AVE										0.000		-1.00

Signal #2 Calibration Files

1	=ECD8-10152037.D	2	=ECD8-10152038.D	3	=ECD8-10152039.D
4	=ECD8-10152040.D	5	=ECD8-10152041.D	6	=ECD8-10152042.D

	Compound	1	2	3	4	5	6	Avg	%RSD				
44)	S TCMX (S) #2	4.189	3.997	3.764	3.697	3.769	3.901	4.046	4.257	4.387	4.001	E6	6.03
45)	a-BHC #2	4.911	4.867	4.792	5.055	5.166	5.506	5.528	5.989	6.325	5.349	E6	9.96
46)	g-BHC #2	4.456	4.265	4.241	4.263	4.505	4.729	4.849	5.069	5.477	4.650	E6	9.09
47)	b-BHC #2	2.131	1.995	1.872	1.765	1.780	1.847	1.973	2.111	2.136	1.957	E6	7.57
48)	Heptachlor #2	4.532	4.335	4.178	4.145	4.411	4.568	4.704	5.004	5.316	4.577	E6	8.38
49)	d-BHC #2	3.632	3.593	3.761	3.803	4.091	4.383	4.542	5.076	5.413	4.255	E6	15.36
50)	Aldrin #2	3.971	3.922	3.903	3.883	4.111	4.370	4.568	4.769	4.926	4.269	E6	9.43
51)	Heptachlor Exp...	4.068	3.912	3.751	3.674	3.849	3.972	4.021	4.427	4.469	4.016	E6	6.85
52)	trans-Chlordan...	3.939	3.717	3.598	3.626	3.762	3.918	4.125	4.494	4.644	3.980	E6	9.39
53)	cis-Chlordane #2	3.981	3.697	3.562	3.564	3.727	3.812	3.910	4.216	4.448	3.880	E6	7.67
54)	Endosulfan I #2	3.638	3.425	3.225	3.278	3.429	3.631	3.654	3.951	4.136	3.596	E6	8.34
55)	4,4'-DDE #2	3.178	3.084	3.234	3.173	3.369	3.700	3.914	4.401	4.661	3.635	E6	15.93
56)	Dieldrin #2	3.808	3.654	3.603	3.754	3.868	4.154	4.116	4.598	4.823	4.042	E6	10.53
57)	Endrin #2	2.483	2.522	2.483	2.477	2.497	2.830	2.946	3.459	3.586	2.809	E6	15.66

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_201015.M
 Title : Instrument: DualECD8
 Last Update : Tue Oct 20 17:18:04 2020

58)	4,4'-DDD #2	2.921	2.805	2.727	2.746	2.944	3.074	3.264	3.619	3.927	3.114	E6	13.37
59)	Endosulfan II #2	3.312	3.081	2.977	2.893	3.012	3.167	3.309	3.668	3.885	3.256	E6	10.18
60)	4,4'-DDT #2	2.456	2.448	2.433	2.551	2.696	3.041	3.168	3.737	4.032	2.951	E6	20.17
61)	Endrin Aldehyd...	4.392	3.815	3.590	3.014	2.948	2.931	2.921	3.193	3.421	3.358	E6	14.98
62)	Endosulfan Sul...	3.729	3.259	3.134	2.994	3.045	3.149	3.257	3.619	3.719	3.323	E6	8.71
63)	Methoxychlor #2	1.544	1.490	1.459	1.335	1.410	1.512	1.501	1.811	1.863	1.547	E6	11.37
64)	Endrin Ketone #2		4.169	3.597	3.529	3.656	3.736	3.865	4.180	4.518	3.906	E6	8.92
65) S	DCBP (S) #2	2.822	2.587	2.396	2.257	2.222	2.250	2.249	2.423	2.569	2.419	E6	8.47
66)	Hexachlorobuta...	5.014	4.324	4.053	3.787	3.617	3.772	4.198	4.034	4.737	4.171	E6	11.06
67)	Hexachlorobenz...	4.698	4.209	3.719	3.569	3.607	3.764	3.869	4.032	4.353	3.980	E6	9.51
68)	Oxychlorthane #2	4.122	3.743	3.313	3.122	3.320	3.387	3.406	3.517	3.747	3.520	E6	8.62
69)	2,4'-DDE #2	2.610	2.508	2.192	2.163	2.214	2.396	2.356	2.561	2.839	2.427	E6	9.25
70)	trans-Nonachlo...	4.656	4.195	3.581	3.491	3.571	3.802	3.773	4.052	4.365	3.943	E6	10.16
71)	2,4'-DDD #2	2.638	2.546	2.065	1.988	2.044	2.135	2.156	2.226	2.489	2.254	E6	10.68
72)	2,4'-DDT #2	2.711	2.395	1.994	2.023	2.091	2.321	2.406	2.573	2.835	2.372	E6	12.63
73)	cis-Nonachlor #2	4.948	4.588	3.815	3.779	3.915	4.131	4.168	4.351	4.807	4.278	E6	9.98
74)	Mirex #2	3.883	3.436	2.702	2.432	2.447	2.433	2.469	2.545	2.691	2.782	E6	18.69
75)	Chlordane (1) #2	4.426	4.438	4.652	4.796	5.103	4.901	5.785			4.871	E5	9.66
76)	Chlordane (2) #2	4.119	3.694	3.945	4.056	4.155	4.277	4.734			4.140	E5	7.74
77)	Chlordane (3) #2	1.424	1.230	1.254	1.289	1.375	1.385	1.511			1.353	E5	7.42
78)	Chlordane - AV...										0.000		-1.00
79)	Toxaphene (1) #2	3.990	3.890		3.616	3.622	3.704	3.982			3.801	E4	4.59
80)	Toxaphene (2) #2	4.640	4.607		4.470	4.549	4.784	5.237			4.714	E4	5.86
81)	Toxaphene (3) #2	7.542	6.785		6.549	6.755	7.009	7.559			7.033	E4	6.06
82)	Toxaphene (4) #2	1.350	1.134		1.076	1.108	1.201	1.279			1.191	E5	8.92
83)	Toxaphene (5) #2	7.023	6.526		6.423	6.708	6.980	7.674			6.889	E4	6.57
84)	Toxaphene (6) #2	7.799	7.048		6.995	7.324	7.597	8.166			7.488	E4	6.07
85)	Toxaphene - AV...										0.000		-1.00

No 100pt used for TOX. Wrong standard viald

(#) = Out of Range

MKZ 10/22/2020

Compound List Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_201015.M
 Title : Instrument: DualECD8
 Last Update : Tue Oct 20 17:18:04 2020
 Response Via : Initial Calibration

Total Cpnds : 85

MJB 10/21/20

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.683	1.000	A	H	R
2	a-BHC	6.234	1.000	A	H	R
3	g-BHC	6.520	1.000	A	H	R
4	b-BHC	6.601	1.000	A	H	R
5	Heptachlor	6.919	1.000	A	H	R
6	d-BHC	6.754	1.000	• Q	H	R
7	Aldrin	7.162	1.000	A	H	R
8	Heptachlor Expoxide	7.631	1.000	A	H	R
9	trans-Chlordane	7.723	1.000	A	H	R
10	cis-Chlordane	7.821	1.000	A	H	R
11	Endosulfan I	7.925	1.000	A	H	R
12	4,4'-DDE	7.872	1.000	A	H	R
13	Dieldrin	8.098	1.000	A	H	R
14	Endrin	8.268	1.000	A	H	R
15	4,4'-DDD	8.303	1.000	A	H	R
16	Endosulfan II	8.429	1.000	A	H	R
17	4,4'-DDT	8.497	1.000	• Q	H	R
18	Endrin Aldehyde	8.724	1.000	• Q	H	R
19	Endosulfan Sulfate	9.030	1.000	A	H	R
20	Methoxychlor	8.831	1.000	A	H	R
21	Endrin Ketone	9.233	1.000	A	H	R
22	S DCBP (S)	9.902	1.000	• Q	H	R
23	Hexachlorobutadiene	3.474	1.000	• Q	H	R
24	Hexachlorobenzene	6.069	1.000	A	H	R
25	Oxychlordane	7.553	1.000	A	H	R
26	2,4'-DDE	7.620	1.000	A	H	R
27	trans-Nonachlor	7.807	1.000	A	H	R
28	2,4'-DDD	8.000	1.000	A	H	R
29	2,4'-DDT	8.180	1.000	A	H	R
30	cis-Nonachlor	8.285	1.000	A	H	R
31	Mirex	8.960	1.000	• Q	H	R
32	Chlordane (1)	7.723	1.000	A	H	R
33	Chlordane (2)	7.818	1.000	A	H	R
34	Chlordane (3)	8.378	1.000	A	H	R
35	Chlordane - AVE	0.205	1.000	A	H	R
36	Toxaphene (1)	7.803	1.000	A	H	R
37	Toxaphene (2)	8.099	1.000	A	H	R
38	Toxaphene (3)	8.419	1.000	A	H	R
39	Toxaphene (4)	8.657	1.000	A	H	R
40	Toxaphene (5)	8.893	1.000	A	H	R
41	Toxaphene (6)	8.962	1.000	A	H	R
42	Toxaphene - AVE	0.205	1.000	A	H	R
43	Signal #2	0.205	1.000	A	H	R
44	S TCMX (S) #2	5.990	1.000	A	H	R
45	a-BHC #2	6.585	1.000	A	H	R
46	g-BHC #2	6.900	1.000	A	H	R
47	b-BHC #2	6.966	1.000	A	H	R
48	Heptachlor #2	7.273	1.000	A	H	R
49	d-BHC #2	7.214	1.000	• Q	H	R
50	Aldrin #2	7.536	1.000	A	H	R
51	Heptachlor Expoxide #2	7.971	1.000	A	H	R
52	trans-Chlordane #2	8.110	1.000	A	H	R
53	cis-Chlordane #2	8.217	1.000	A	H	R
54	Endosulfan I #2	8.267	1.000	A	H	R
55	4,4'-DDE #2	8.319	1.000	• Q	H	R
56	Dieldrin #2	8.464	1.000	• Q	H	R

57	Endrin #2	8.688	1.000	• Q	H	R
58	4,4'-DDD #2	8.732	1.000	• Q	H	R
59	Endosulfan II #2	8.835	1.000	A	H	R
60	4,4'-DDT #2	8.956	1.000	• Q	H	R
61	Endrin Aldehyde #2	9.070	1.000	• Q	H	R
62	Endosulfan Sulfate #2	9.264	1.000	A	H	R
63	Methoxychlor #2	9.423	1.000	• Q	H	R
64	Endrin Ketone #2	9.655	1.000	A	H	R
65	S DCBP (S) #2	10.505	1.000	A	H	R
66	Hexachlorobutadiene #2	3.702	1.000	• Q	H	R
67	Hexachlorobenzene #2	6.453	1.000	A	H	R
68	Oxychlorthane #2	7.901	1.000	A	H	R
69	2,4'-DDE #2	8.096	1.000	A	H	R
70	trans-Nonachlor #2	8.176	1.000	A	H	R
71	2,4'-DDD #2	8.467	1.000	• Q	H	R
72	2,4'-DDT #2	8.689	1.000	• Q	H	R
73	cis-Nonachlor #2	8.734	1.000	A	H	R
74	Mirex #2	9.643	1.000	• Q	H	R
75	Chlordane (1) #2	8.109	1.000	A	H	R
76	Chlordane (2) #2	8.216	1.000	A	H	R
77	Chlordane (3) #2	8.871	1.000	A	H	R
78	Chlordane - AVE #2	0.205	1.000	A	H	R
79	Toxaphene (1) #2	8.443	1.000	A	H	R
80	Toxaphene (2) #2	8.791	1.000	A	H	R
81	Toxaphene (3) #2	8.824	1.000	A	H	R
82	Toxaphene (4) #2	8.891	1.000	A	H	R
83	Toxaphene (5) #2	9.069	1.000	A	H	R
84	Toxaphene (6) #2	9.442	1.000	A	H	R
85	Toxaphene - AVE #2	0.205	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_201015.M Wed Oct 21 14:32:49 2020

Calibration Report DUALECD8

Method Path : C:\msdchem\1\methods\
 Method File : ECD8_QUANTPEST_201015.M
 Title : Instrument: DualECD8
 Last Update : Tue Oct 20 17:18:04 2020
 Response Via : Initial Calibration

MJB 10/21/20

Calibration Files

1 =ECD8-10152037 2 =ECD8-10152038 3 =ECD8-10152039 4 =ECD8-10152040 5 =ECD8-10152041
 6 =ECD8-10152042 7 =ECD8-10152043 8 =ECD8-10152024 9 =ECD8-10152025

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.5364 e6	-----	0.0489
2)	a-BHC	Avg	-----	4.7115 e6	-----	0.0359
3)	g-BHC	Avg	-----	4.0246 e6	-----	0.0547
4)	b-BHC	Avg	-----	1.5609 e6	-----	0.0779
5)	Heptachlor	Avg	-----	4.0585 e6	-----	0.0412
6)	d-BHC	Quad	-1.7797 e5	3.0667 e6	5.6377 e3	0.9983
7)	Aldrin	Avg	-----	3.9280 e6	-----	0.0296
8)	Heptachlor Epoxide	Avg	-----	3.6560 e6	-----	0.0402
9)	trans-Chlordane	Avg	-----	3.6827 e6	-----	0.0390
10)	cis-Chlordane	Avg	-----	3.6222 e6	-----	0.0398
11)	Endosulfan I	Avg	-----	3.4013 e6	-----	0.0324
12)	4,4'-DDE	Avg	-----	3.1511 e6	-----	0.1013
13)	Dieldrin	Avg	-----	3.7568 e6	-----	0.0323
14)	Endrin	Avg	-----	2.7423 e6	-----	0.0779
15)	4,4'-DDD	Avg	-----	2.7197 e6	-----	0.0906
16)	Endosulfan II	Avg	-----	2.9454 e6	-----	0.0447
17)	4,4'-DDT	Quad	-7.9968 e4	2.4923 e6	4.8342 e3	0.9972
18)	Endrin Aldehyde	Quad	8.5273 e5	2.8378 e6	1.0492 e1	0.9934
19)	Endosulfan Sulfate	Avg	-----	2.9886 e6	-----	0.0707
20)	Methoxychlor	Avg	-----	1.3766 e6	-----	0.0916
21)	Endrin Ketone	Avg	-----	3.6979 e6	-----	0.0511
22) S	DCBP (S)	Quad	6.4883 e5	2.4782 e6	2.8953 e2	0.9995
23)	Hexachlorobutadiene	Quad	6.8398 e5	3.1180 e6	2.1905 e3	0.9992
24)	Hexachlorobenzene	Avg	-----	3.3451 e6	-----	0.0837
25)	Oxychlordane	Avg	-----	3.2295 e6	-----	0.0949
26)	2,4'-DDE	Avg	-----	2.1269 e6	-----	0.0800
27)	trans-Nonachlor	Avg	-----	3.6133 e6	-----	0.0891
28)	2,4'-DDD	Avg	-----	1.9214 e6	-----	0.0963
29)	2,4'-DDT	Avg	-----	2.1460 e6	-----	0.0933
30)	cis-Nonachlor	Avg	-----	3.9436 e6	-----	0.1033
31)	Mirex	Quad	7.2269 e5	2.3348 e6	1.6530 e2	0.9969
32)	Chlordane (1)	Avg	-----	4.1195 e5	-----	0.0455
33)	Chlordane (2)	Avg	-----	4.1916 e5	-----	0.0368
34)	Chlordane (3)	Avg	-----	1.2896 e5	-----	0.0369
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	1.4877 e4	-----	0.0362
37)	Toxaphene (2)	Avg	-----	3.2939 e4	-----	0.0175
38)	Toxaphene (3)	Avg	-----	6.9323 e4	-----	0.0332
39)	Toxaphene (4)	Avg	-----	7.4421 e4	-----	0.0517
40)	Toxaphene (5)	Avg	-----	5.9363 e4	-----	0.0653
41)	Toxaphene (6)	Avg	-----	6.7325 e4	-----	0.0424
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	4.0009 e6	-----	0.0603
2)	a-BHC	Avg	-----	5.3488 e6	-----	0.0996
3)	g-BHC	Avg	-----	4.6505 e6	-----	0.0909
4)	b-BHC	Avg	-----	1.9566 e6	-----	0.0757
5)	Heptachlor	Avg	-----	4.5769 e6	-----	0.0838
6)	d-BHC	Quad	-2.6996 e5	4.0288 e6	7.8258 e3	0.9979
7)	Aldrin	Avg	-----	4.2693 e6	-----	0.0943

8)	Heptachlor Epoxide	Avg	-----	4.0159	e6	-----	0.0685		
9)	trans-Chlordane	Avg	-----	3.9802	e6	-----	0.0939		
10)	cis-Chlordane	Avg	-----	3.8797	e6	-----	0.0767		
11)	Endosulfan I	Avg	-----	3.5964	e6	-----	0.0834		
12)	4,4'-DDE	Quad	-1.6090	e5	3.3826	e6	7.3549	e3	0.9972
13)	Dieldrin	Quad	-6.3021	e4	3.8221	e6	5.6503	e3	0.9984
14)	Endrin	Quad	-6.8102	e4	2.5827	e6	5.8509	e3	0.9969
15)	4,4'-DDD	Quad	-4.6773	e3	2.8564	e6	5.9397	e3	0.9984
16)	Endosulfan II	Avg	-----	3.2560	e6	-----	0.1018		
17)	4,4'-DDT	Quad	-1.7019	e5	2.6920	e6	7.6065	e3	0.9964
18)	Endrin Aldehyde	Quad	7.9510	e5	2.9110	e6	2.4027	e3	0.9977
19)	Endosulfan Sulfate	Avg	-----	3.3227	e6	-----	0.0871		
20)	Methoxychlor	Quad	7.1656	e4	1.4011	e6	2.6390	e3	0.9975
21)	Endrin Ketone	Avg	-----	3.9062	e6	-----	0.0892		
22) S	DCBP (S)	Avg	-----	2.4193	e6	-----	0.0847		
23)	Hexachlorobutadiene	Quad	6.8796	e5	3.6391	e6	5.3879	e3	0.9987
24)	Hexachlorobenzene	Avg	-----	3.9800	e6	-----	0.0951		
25)	Oxychlorane	Avg	-----	3.5197	e6	-----	0.0862		
26)	2,4'-DDE	Avg	-----	2.4266	e6	-----	0.0925		
27)	trans-Nonachlor	Avg	-----	3.9429	e6	-----	0.1016		
28)	2,4'-DDD	Quad	3.5346	e5	1.9931	e6	2.4870	e3	0.9976
29)	2,4'-DDT	Quad	3.0727	e5	2.0490	e6	4.3633	e3	0.9965
30)	cis-Nonachlor	Avg	-----	4.2779	e6	-----	0.0998		
31)	Mirex	Quad	8.1350	e5	2.3587	e6	1.6715	e3	0.9975
32)	Chlordane (1)	Avg	-----	4.8714	e5	-----	0.0966		
33)	Chlordane (2)	Avg	-----	4.1400	e5	-----	0.0774		
34)	Chlordane (3)	Avg	-----	1.3525	e5	-----	0.0742		
35)	Chlordane - AVE	Avg	-----	-----	-----	-----	0.0000		
36)	Toxaphene (1)	Avg	-----	3.8006	e4	-----	0.0459		
37)	Toxaphene (2)	Avg	-----	4.7144	e4	-----	0.0586		
38)	Toxaphene (3)	Avg	-----	7.0333	e4	-----	0.0606		
39)	Toxaphene (4)	Avg	-----	1.1913	e5	-----	0.0892		
40)	Toxaphene (5)	Avg	-----	6.8890	e4	-----	0.0657		
41)	Toxaphene (6)	Avg	-----	7.4882	e4	-----	0.0607		
42)	Toxaphene - AVE	Avg	-----	-----	-----	-----	0.0000		

ECD8_QUANTPEST_201015.M Wed Oct 21 14:34:34 2020

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

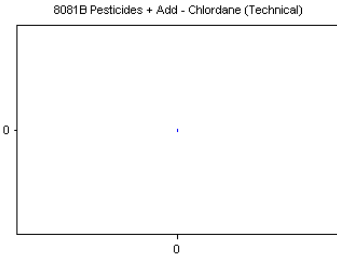
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

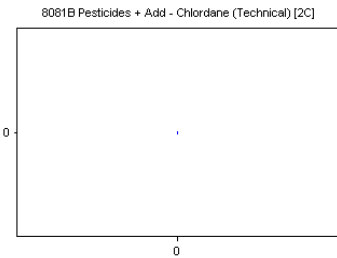


Standard	Concentration	Response	Response Factor	RT
0J15061-CALJ	40	0	0.000	0.00
0J15061-CALK	50	0	0.000	0.00
0J15061-CALL	100	0	0.000	0.00
0J15061-CALM	200	0	0.000	0.00
0J15061-CALN	500	0	0.000	0.00
0J15061-CALO	1000	0	0.000	0.00
0J15061-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

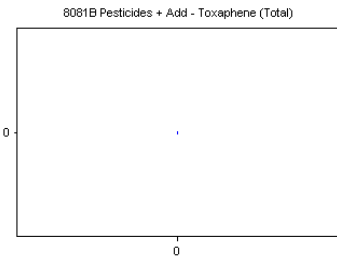


Standard	Concentration	Response	Response Factor	RT
0J15061-CALJ	40	0	0.000	0.00
0J15061-CALK	50	0	0.000	0.00
0J15061-CALL	100	0	0.000	0.00
0J15061-CALM	200	0	0.000	0.00
0J15061-CALN	500	0	0.000	0.00
0J15061-CALO	1000	0	0.000	0.00
0J15061-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

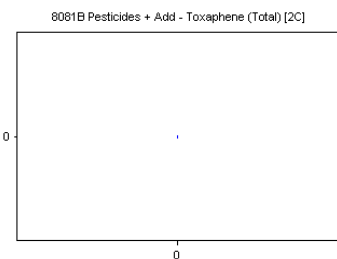


Standard	Concentration	Response	Response Factor	RT
0J15061-CALQ	40	0	0.000	0.00
0J15061-CALR	50	0	0.000	0.00
0J15061-CALT	200	0	0.000	0.00
0J15061-CALU	500	0	0.000	0.00
0J15061-CALV	1000	0	0.000	0.00
0J15061-CALW	2000	0	0.000	0.00

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
0J15061-CALQ	40	0	0.000	0.00
0J15061-CALR	50	0	0.000	0.00
0J15061-CALT	200	0	0.000	0.00
0J15061-CALU	500	0	0.000	0.00
0J15061-CALV	1000	0	0.000	0.00
0J15061-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: **A0J2107**

Instrument: **DUALECD8**

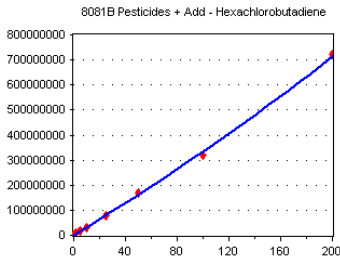
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Hexachlorobutadiene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

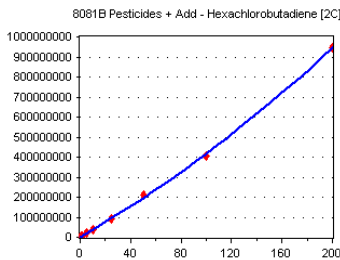


Standard	Concentration	Response	Factor	RT
OJ15061-CALA	0.5	2239091	4478182.000	3.48
OJ15061-CALB	1	3774672	3774672.000	3.47
OJ15061-CALC	2	7127380	3563690.000	3.47
OJ15061-CALD	5	1.645845E+07	3291690.000	3.47
OJ15061-CALE	10	3.138778E+07	3138778.000	3.48
OJ15061-CALF	25	7.880228E+07	3152091.000	3.48
OJ15061-CALG	50	1.681213E+08	3362426.000	3.47
OJ15061-CALH	100	3.20746E+08	3207460.000	3.48
OJ15061-CALI	200	7.21089E+08	3605445.000	3.48

AVE RF 3508270.000 **RF RSD** 12.12 **AVE RT** 3.47

Hexachlorobutadiene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

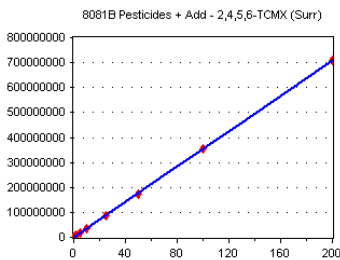


Standard	Concentration	Response	Factor	RT
OJ15061-CALA	0.5	2507236	5014472.000	3.70
OJ15061-CALB	1	4324213	4324213.000	3.70
OJ15061-CALC	2	8105552	4052776.000	3.70
OJ15061-CALD	5	1.893344E+07	3786688.000	3.70
OJ15061-CALE	10	3.617304E+07	3617304.000	3.70
OJ15061-CALF	25	9.430966E+07	3772387.000	3.70
OJ15061-CALG	50	2.099194E+08	4198388.000	3.70
OJ15061-CALH	100	4.034392E+08	4034392.000	3.70
OJ15061-CALI	200	9.473851E+08	4736926.000	3.70

AVE RF 4170838.000 **RF RSD** 11.06 **AVE RT** 3.70

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

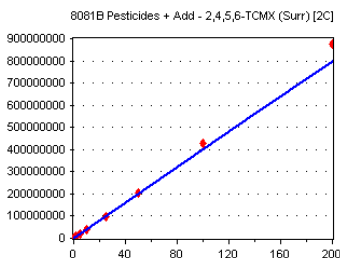


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1964465	3928930.000	5.68
OJ15061-CAL2	1	3675375	3675375.000	5.68
OJ15061-CAL3	2	6974987	3487494.000	5.68
OJ15061-CAL4	5	1.695668E+07	3391336.000	5.68
OJ15061-CAL5	10	3.37858E+07	3378580.000	5.68
OJ15061-CAL6	25	8.661238E+07	3464495.000	5.68
OJ15061-CAL7	50	1.713189E+08	3426378.000	5.68
OJ15061-CAL8	100	3.53942E+08	3539420.000	5.68
OJ15061-CAL9	200	7.071313E+08	3535657.000	5.68

AVE RF 3536407.000 **RF RSD** 4.89 **AVE RT** 5.68

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	2094674	4189348.000	5.99
OJ15061-CAL2	1	3996914	3996914.000	5.99
OJ15061-CAL3	2	7527988	3763994.000	5.99
OJ15061-CAL4	5	1.848406E+07	3696812.000	5.99
OJ15061-CAL5	10	3.769119E+07	3769119.000	5.99
OJ15061-CAL6	25	9.75182E+07	3900728.000	5.99
OJ15061-CAL7	50	2.023044E+08	4046088.000	5.99
OJ15061-CAL8	100	4.257161E+08	4257161.000	5.99
OJ15061-CAL9	200	8.774996E+08	4387498.000	5.99

AVE RF 4000851.000 **RF RSD** 6.03 **AVE RT** 5.99

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

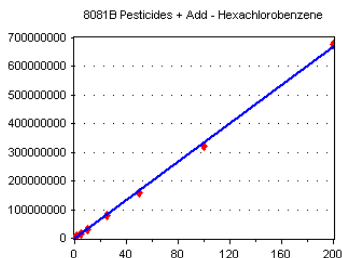
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Hexachlorobenzene

Curve Fit: **AVERAGE RF**

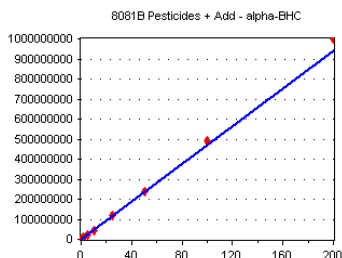


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	1970418	3940836.000	6.07
OJ15061-CALB	1	3664461	3664461.000	6.07
OJ15061-CALC	2	6539006	3269503.000	6.07
OJ15061-CALD	5	1.54531E+07	3090620.000	6.07
OJ15061-CALE	10	3.151554E+07	3151554.000	6.07
OJ15061-CALF	25	7.977943E+07	3191177.000	6.07
OJ15061-CALG	50	1.59558E+08	3191160.000	6.07
OJ15061-CALH	100	3.225443E+08	3225443.000	6.07
OJ15061-CALI	200	6.761908E+08	3380954.000	6.07

AVE RF 3345079.000 **RF RSD** 8.37 **AVE RT** 6.07

alpha-BHC

Curve Fit: **AVERAGE RF**

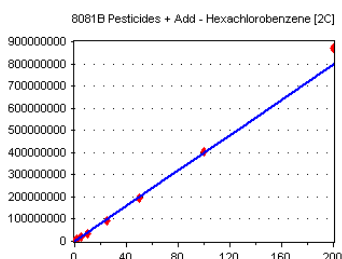


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	2328682	4657364.000	6.23
OJ15061-CAL2	1	4586018	4586018.000	6.23
OJ15061-CAL3	2	9063124	4531562.000	6.23
OJ15061-CAL4	5	2.275184E+07	4550368.000	6.23
OJ15061-CAL5	10	4.594524E+07	4594524.000	6.23
OJ15061-CAL6	25	1.20089E+08	4803560.000	6.23
OJ15061-CAL7	50	2.37807E+08	4756140.000	6.23
OJ15061-CAL8	100	4.928958E+08	4928958.000	6.23
OJ15061-CAL9	200	9.990428E+08	4995214.000	6.23

AVE RF 4711523.000 **RF RSD** 3.59 **AVE RT** 6.23

Hexachlorobenzene [2C]

Curve Fit: **AVERAGE RF**

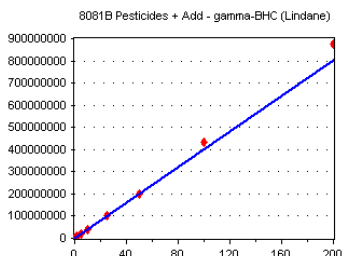


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	2349149	4698298.000	6.45
OJ15061-CALB	1	4208870	4208870.000	6.45
OJ15061-CALC	2	7438773	3719387.000	6.45
OJ15061-CALD	5	1.784273E+07	3568546.000	6.45
OJ15061-CALE	10	3.60655E+07	3606550.000	6.45
OJ15061-CALF	25	9.410941E+07	3764376.000	6.45
OJ15061-CALG	50	1.934439E+08	3868878.000	6.45
OJ15061-CALH	100	4.032065E+08	4032065.000	6.45
OJ15061-CALI	200	8.706274E+08	4353137.000	6.45

AVE RF 3980012.000 **RF RSD** 9.51 **AVE RT** 6.45

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	2071350	4142700.000	6.52
OJ15061-CAL2	1	3906552	3906552.000	6.52
OJ15061-CAL3	2	7694107	3847054.000	6.52
OJ15061-CAL4	5	1.857194E+07	3714388.000	6.52
OJ15061-CAL5	10	3.900259E+07	3900259.000	6.52
OJ15061-CAL6	25	1.003227E+08	4012908.000	6.52
OJ15061-CAL7	50	1.997039E+08	3994078.000	6.52
OJ15061-CAL8	100	4.324135E+08	4324135.000	6.52
OJ15061-CAL9	200	8.758193E+08	4379097.000	6.52

AVE RF 4024575.000 **RF RSD** 5.47 **AVE RT** 6.52

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

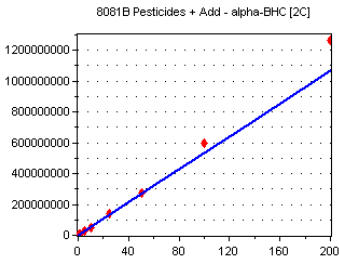
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

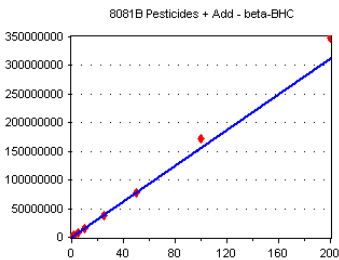


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	2455359	4910718.000	6.59
OJ15061-CAL2	1	4866992	4866992.000	6.59
OJ15061-CAL3	2	9584271	4792136.000	6.59
OJ15061-CAL4	5	2.527692E+07	5055384.000	6.59
OJ15061-CAL5	10	5.166158E+07	5166158.000	6.58
OJ15061-CAL6	25	1.376585E+08	5506340.000	6.59
OJ15061-CAL7	50	2.764066E+08	5528132.000	6.59
OJ15061-CAL8	100	5.989129E+08	5989129.000	6.59
OJ15061-CAL9	200	1.26492E+09	6324601.000	6.59

AVE RF 5348843.000 **RF RSD** 9.96 **AVE RT** 6.59

beta-BHC

Curve Fit: **AVERAGE RF**

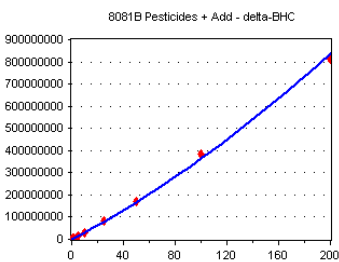


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	816885	1633770.000	6.61
OJ15061-CAL2	1	1540562	1540562.000	6.61
OJ15061-CAL3	2	3020188	1510094.000	6.60
OJ15061-CAL4	5	6967859	1393572.000	6.61
OJ15061-CAL5	10	1.425147E+07	1425147.000	6.60
OJ15061-CAL6	25	3.800356E+07	1520142.000	6.60
OJ15061-CAL7	50	7.755115E+07	1551023.000	6.60
OJ15061-CAL8	100	1.729914E+08	1729914.000	6.60
OJ15061-CAL9	200	3.487023E+08	1743512.000	6.60

AVE RF 1560860.000 **RF RSD** 7.79 **AVE RT** 6.60

delta-BHC

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

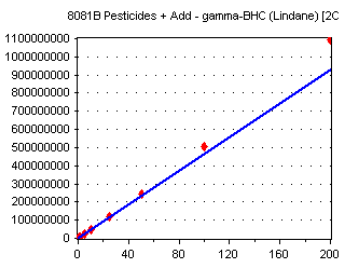


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1397611	2795222.000	6.76
OJ15061-CAL2	1	2771438	2771438.000	6.76
OJ15061-CAL3	2	5908930	2954465.000	6.76
OJ15061-CAL4	5	1.472316E+07	2944632.000	6.76
OJ15061-CAL5	10	3.031383E+07	3031383.000	6.76
OJ15061-CAL6	25	8.286446E+07	3314579.000	6.76
OJ15061-CAL7	50	1.705399E+08	3410798.000	6.76
OJ15061-CAL8	100	3.845178E+08	3845178.000	6.75
OJ15061-CAL9	200	8.123649E+08	4061825.000	6.75

AVE RF 3236613.000 **RF RSD** 14.27 **AVE RT** 6.76

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	2228225	4456450.000	6.90
OJ15061-CAL2	1	4265430	4265430.000	6.90
OJ15061-CAL3	2	8481393	4240697.000	6.90
OJ15061-CAL4	5	2.131671E+07	4263342.000	6.90
OJ15061-CAL5	10	4.504887E+07	4504887.000	6.90
OJ15061-CAL6	25	1.182134E+08	4728536.000	6.90
OJ15061-CAL7	50	2.424384E+08	4848768.000	6.90
OJ15061-CAL8	100	5.069257E+08	5069257.000	6.90
OJ15061-CAL9	200	1.095357E+09	5476786.000	6.90

AVE RF 4650461.000 **RF RSD** 9.09 **AVE RT** 6.90

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

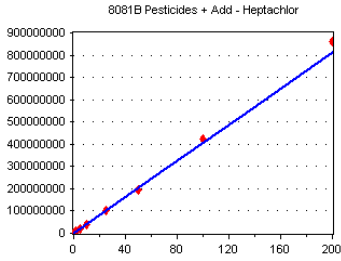
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Heptachlor

Curve Fit: **AVERAGE RF**

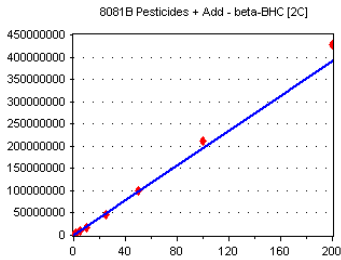


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	2088406	4176812.000	6.92
OJ15061-CAL2	1	4125267	4125267.000	6.92
OJ15061-CAL3	2	7834074	3917037.000	6.92
OJ15061-CAL4	5	1.913594E+07	3827188.000	6.92
OJ15061-CAL5	10	3.917312E+07	3917312.000	6.92
OJ15061-CAL6	25	1.016753E+08	4067012.000	6.92
OJ15061-CAL7	50	1.969759E+08	3939518.000	6.92
OJ15061-CAL8	100	4.254733E+08	4254733.000	6.92
OJ15061-CAL9	200	8.603669E+08	4301835.000	6.92

AVE RF 4058524.000 **RF RSD** 4.12 **AVE RT** 6.92

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

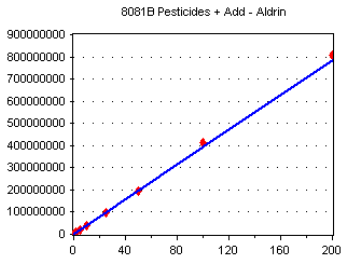


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1065650	2131300.000	6.97
OJ15061-CAL2	1	1994989	1994989.000	6.97
OJ15061-CAL3	2	3743280	1871640.000	6.97
OJ15061-CAL4	5	8823163	1764633.000	6.97
OJ15061-CAL5	10	1.779961E+07	1779961.000	6.97
OJ15061-CAL6	25	4.617194E+07	1846878.000	6.97
OJ15061-CAL7	50	9.866661E+07	1973332.000	6.97
OJ15061-CAL8	100	2.110867E+08	2110867.000	6.97
OJ15061-CAL9	200	4.272057E+08	2136029.000	6.97

AVE RF 1956625.000 **RF RSD** 7.57 **AVE RT** 6.97

Aldrin

Curve Fit: **AVERAGE RF**

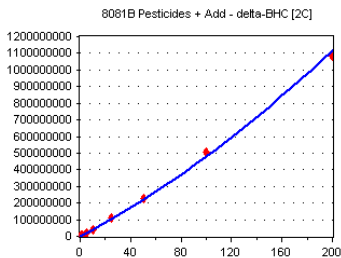


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1983865	3967730.000	7.16
OJ15061-CAL2	1	3890178	3890178.000	7.16
OJ15061-CAL3	2	7559480	3779740.000	7.16
OJ15061-CAL4	5	1.904309E+07	3808618.000	7.16
OJ15061-CAL5	10	3.913536E+07	3913536.000	7.16
OJ15061-CAL6	25	9.781781E+07	3912712.000	7.16
OJ15061-CAL7	50	1.938817E+08	3877634.000	7.16
OJ15061-CAL8	100	4.157632E+08	4157632.000	7.16
OJ15061-CAL9	200	8.087636E+08	4043818.000	7.16

AVE RF 3927955.000 **RF RSD** 2.96 **AVE RT** 7.16

delta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1816056	3632112.000	7.22
OJ15061-CAL2	1	3592643	3592643.000	7.22
OJ15061-CAL3	2	7521244	3760622.000	7.22
OJ15061-CAL4	5	1.901458E+07	3802916.000	7.22
OJ15061-CAL5	10	4.09124E+07	4091240.000	7.22
OJ15061-CAL6	25	1.095706E+08	4382824.000	7.22
OJ15061-CAL7	50	2.270836E+08	4541672.000	7.22
OJ15061-CAL8	100	5.076161E+08	5076161.000	7.21
OJ15061-CAL9	200	1.082558E+09	5412790.000	7.21

AVE RF 4254776.000 **RF RSD** 15.36 **AVE RT** 7.22

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

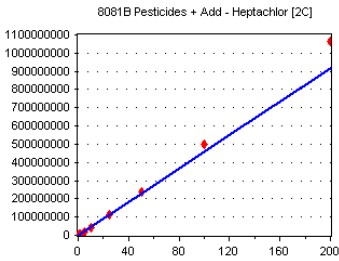
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

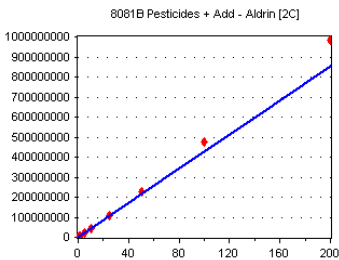


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	2266099	4532198.000	7.27
OJ15061-CAL2	1	4334823	4334823.000	7.27
OJ15061-CAL3	2	8356845	4178423.000	7.27
OJ15061-CAL4	5	2.072483E+07	4144966.000	7.27
OJ15061-CAL5	10	4.410809E+07	4410809.000	7.27
OJ15061-CAL6	25	1.141971E+08	4567884.000	7.27
OJ15061-CAL7	50	2.351985E+08	4703970.000	7.27
OJ15061-CAL8	100	5.003502E+08	5003502.000	7.27
OJ15061-CAL9	200	1.063146E+09	5315730.000	7.27

AVE RF 4576923.000 RF RSD 8.38 AVE RT 7.27

Aldrin [2C]

Curve Fit: **AVERAGE RF**

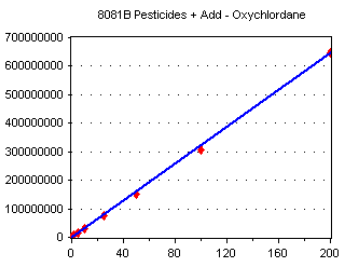


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1985635	3971270.000	7.54
OJ15061-CAL2	1	3922163	3922163.000	7.54
OJ15061-CAL3	2	7805224	3902612.000	7.54
OJ15061-CAL4	5	1.941717E+07	3883434.000	7.54
OJ15061-CAL5	10	4.110689E+07	4110689.000	7.54
OJ15061-CAL6	25	1.092582E+08	4370328.000	7.54
OJ15061-CAL7	50	2.284027E+08	4568054.000	7.54
OJ15061-CAL8	100	4.769311E+08	4769311.000	7.54
OJ15061-CAL9	200	9.851053E+08	4925527.000	7.54

AVE RF 4269265.000 RF RSD 9.43 AVE RT 7.54

Oxychlorthane

Curve Fit: **AVERAGE RF**

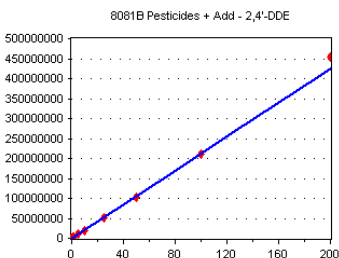


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	1937874	3875748.000	7.56
OJ15061-CALB	1	3610716	3610716.000	7.56
OJ15061-CALC	2	6208420	3104210.000	7.55
OJ15061-CALD	5	1.509498E+07	3018996.000	7.55
OJ15061-CALE	10	3.084646E+07	3084646.000	7.55
OJ15061-CALF	25	7.7426E+07	3097040.000	7.55
OJ15061-CALG	50	1.495844E+08	2991688.000	7.55
OJ15061-CALH	100	3.047858E+08	3047858.000	7.55
OJ15061-CALI	200	6.468673E+08	3234337.000	7.55

AVE RF 3229471.000 RF RSD 9.49 AVE RT 7.55

2,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	1201503	2403006.000	7.63
OJ15061-CALB	1	2330761	2330761.000	7.63
OJ15061-CALC	2	3901157	1950579.000	7.62
OJ15061-CALD	5	9576140	1915228.000	7.62
OJ15061-CALE	10	2.016633E+07	2016633.000	7.62
OJ15061-CALF	25	5.222027E+07	2088811.000	7.62
OJ15061-CALG	50	1.033665E+08	2067330.000	7.62
OJ15061-CALH	100	2.101327E+08	2101327.000	7.62
OJ15061-CALI	200	4.537173E+08	2268587.000	7.62

AVE RF 2126918.000 RF RSD 8.00 AVE RT 7.62

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

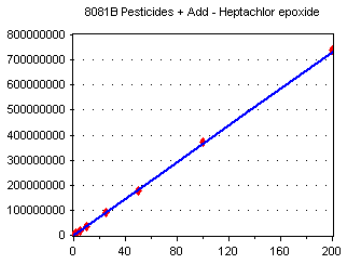
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

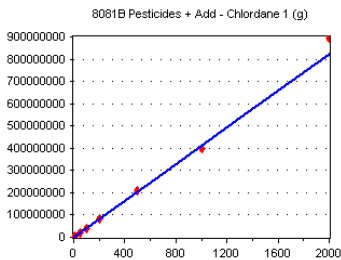


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1984641	3969282.000	7.63
OJ15061-CAL2	1	3780245	3780245.000	7.63
OJ15061-CAL3	2	7111174	3555587.000	7.63
OJ15061-CAL4	5	1.784996E+07	3569992.000	7.63
OJ15061-CAL5	10	3.539392E+07	3539392.000	7.63
OJ15061-CAL6	25	8.959974E+07	3583990.000	7.63
OJ15061-CAL7	50	1.757036E+08	3514072.000	7.63
OJ15061-CAL8	100	3.700916E+08	3700916.000	7.63
OJ15061-CAL9	200	7.381378E+08	3690689.000	7.63

AVE RF 3656018.000 **RF RSD** 4.02 **AVE RT** 7.63

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

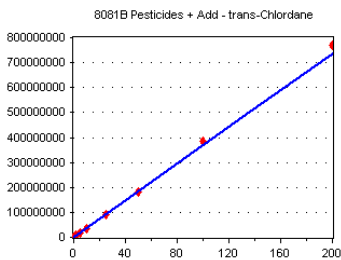


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALJ	10	4101623	410162.300	7.73
OJ15061-CALK	50	1.953892E+07	390778.400	7.73
OJ15061-CALL	100	4.010211E+07	401021.100	7.73
OJ15061-CALM	200	8.383957E+07	419197.800	7.72
OJ15061-CALN	500	2.090437E+08	418087.400	7.72
OJ15061-CALO	1000	3.973248E+08	397324.800	7.72
OJ15061-CALP	2000	8.941953E+08	447097.700	7.72

AVE RF 411952.800 **RF RSD** 4.55 **AVE RT** 7.72

trans-Chlordane

Curve Fit: **AVERAGE RF**

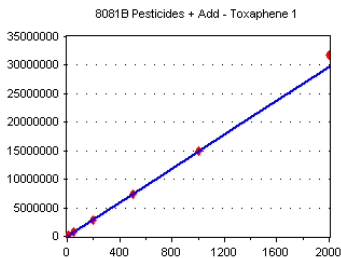


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1925594	3851188.000	7.73
OJ15061-CAL2	1	3633454	3633454.000	7.73
OJ15061-CAL3	2	7224345	3612173.000	7.73
OJ15061-CAL4	5	1.739994E+07	3479988.000	7.73
OJ15061-CAL5	10	3.529808E+07	3529808.000	7.73
OJ15061-CAL6	25	9.1366E+07	3654640.000	7.72
OJ15061-CAL7	50	1.830196E+08	3660392.000	7.72
OJ15061-CAL8	100	3.867119E+08	3867119.000	7.72
OJ15061-CAL9	200	7.710731E+08	3855366.000	7.72

AVE RF 3682681.000 **RF RSD** 3.90 **AVE RT** 7.72

Toxaphene 1

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	144669	14466.900	7.81
OJ15061-CALR	50	726337	14526.740	7.81
OJ15061-CALT	200	2928701	14643.500	7.80
OJ15061-CALU	500	7355899	14711.800	7.80
OJ15061-CALV	1000	1.500622E+07	15006.220	7.80
OJ15061-CALW	2000	3.181092E+07	15905.460	7.80

AVE RF 14876.770 **RF RSD** 3.62 **AVE RT** 7.80

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

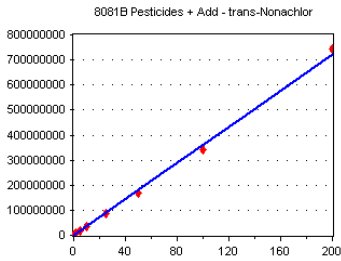
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

trans-Nonachlor

Curve Fit: **AVERAGE RF**

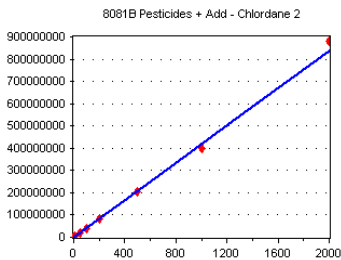


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	2163375	4326750.000	7.81
OJ15061-CALB	1	3910682	3910682.000	7.81
OJ15061-CALC	2	6858041	3429021.000	7.81
OJ15061-CALD	5	1.678872E+07	3357744.000	7.81
OJ15061-CALE	10	3.448256E+07	3448256.000	7.81
OJ15061-CALF	25	8.800594E+07	3520238.000	7.81
OJ15061-CALG	50	1.690689E+08	3381378.000	7.81
OJ15061-CALH	100	3.431954E+08	3431954.000	7.81
OJ15061-CALI	200	7.426764E+08	3713382.000	7.81

AVE RF 3613267.000 RF RSD 8.91 AVE RT 7.81

Chlordane 2

Curve Fit: **AVERAGE RF**

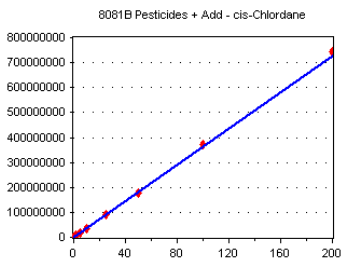


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALJ	10	4385167	438516.700	7.82
OJ15061-CALK	50	2.085474E+07	417094.800	7.82
OJ15061-CALL	100	4.092532E+07	409253.200	7.82
OJ15061-CALM	200	8.368453E+07	418422.600	7.82
OJ15061-CALN	500	2.065909E+08	413181.800	7.82
OJ15061-CALO	1000	3.974641E+08	397464.100	7.82
OJ15061-CALP	2000	8.803723E+08	440186.200	7.82

AVE RF 419159.900 RF RSD 3.68 AVE RT 7.82

cis-Chlordane

Curve Fit: **AVERAGE RF**

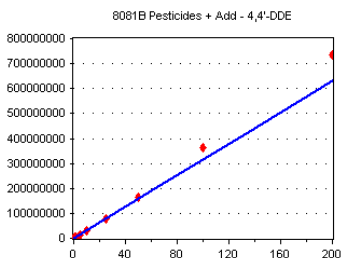


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1943677	3887354.000	7.82
OJ15061-CAL2	1	3710813	3710813.000	7.82
OJ15061-CAL3	2	6946216	3473108.000	7.82
OJ15061-CAL4	5	1.73708E+07	3474160.000	7.82
OJ15061-CAL5	10	3.541141E+07	3541141.000	7.82
OJ15061-CAL6	25	8.87825E+07	3551300.000	7.82
OJ15061-CAL7	50	1.757618E+08	3515236.000	7.82
OJ15061-CAL8	100	3.724809E+08	3724809.000	7.82
OJ15061-CAL9	200	7.444557E+08	3722279.000	7.82

AVE RF 3622244.000 RF RSD 3.98 AVE RT 7.82

4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1488674	2977348.000	7.88
OJ15061-CAL2	1	2806594	2806594.000	7.88
OJ15061-CAL3	2	5832058	2916029.000	7.88
OJ15061-CAL4	5	1.435337E+07	2870674.000	7.88
OJ15061-CAL5	10	3.025077E+07	3025077.000	7.88
OJ15061-CAL6	25	7.917964E+07	3167186.000	7.87
OJ15061-CAL7	50	1.651261E+08	3302522.000	7.87
OJ15061-CAL8	100	3.627906E+08	3627906.000	7.87
OJ15061-CAL9	200	7.333128E+08	3666564.000	7.87

AVE RF 3151100.000 RF RSD 10.13 AVE RT 7.87

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

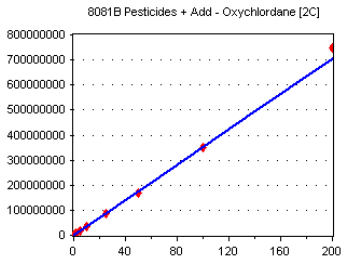
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Oxychlorthane [2C]

Curve Fit: **AVERAGE RF**

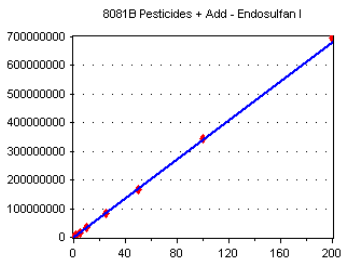


Standard	Concentration	Response	Factor	RT
OJ15061-CALA	0.5	2061148	4122296.000	7.90
OJ15061-CALB	1	3742926	3742926.000	7.90
OJ15061-CALC	2	6625326	3312663.000	7.90
OJ15061-CALD	5	1.561015E+07	3122030.000	7.90
OJ15061-CALE	10	3.319638E+07	3319638.000	7.90
OJ15061-CALF	25	8.46767E+07	3387068.000	7.90
OJ15061-CALG	50	1.703064E+08	3406128.000	7.90
OJ15061-CALH	100	3.516792E+08	3516792.000	7.90
OJ15061-CALI	200	7.494646E+08	3747323.000	7.90

AVE RF 3519652.000 **RF RSD** 8.62 **AVE RT** 7.90

Endosulfan I

Curve Fit: **AVERAGE RF**

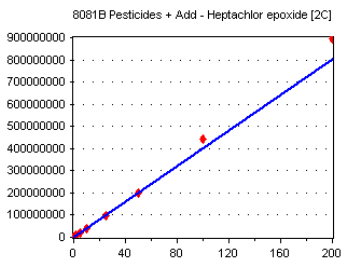


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1806599	3613198.000	7.93
OJ15061-CAL2	1	3420833	3420833.000	7.93
OJ15061-CAL3	2	6845706	3422853.000	7.93
OJ15061-CAL4	5	1.639313E+07	3278626.000	7.93
OJ15061-CAL5	10	3.283096E+07	3283096.000	7.93
OJ15061-CAL6	25	8.396403E+07	3358561.000	7.93
OJ15061-CAL7	50	1.647621E+08	3295242.000	7.93
OJ15061-CAL8	100	3.45966E+08	3459660.000	7.92
OJ15061-CAL9	200	6.958669E+08	3479335.000	7.92

AVE RF 3401267.000 **RF RSD** 3.24 **AVE RT** 7.93

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

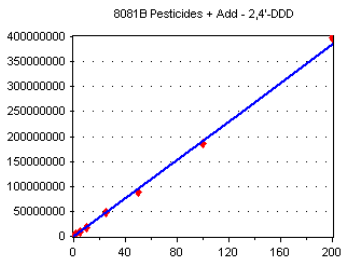


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	2034040	4068080.000	7.97
OJ15061-CAL2	1	3912347	3912347.000	7.97
OJ15061-CAL3	2	7501012	3750506.000	7.97
OJ15061-CAL4	5	1.836929E+07	3673858.000	7.97
OJ15061-CAL5	10	3.8488E+07	3848800.000	7.97
OJ15061-CAL6	25	9.929978E+07	3971991.000	7.97
OJ15061-CAL7	50	2.010489E+08	4020978.000	7.97
OJ15061-CAL8	100	4.427145E+08	4427145.000	7.97
OJ15061-CAL9	200	8.938726E+08	4469363.000	7.97

AVE RF 4015896.000 **RF RSD** 6.85 **AVE RT** 7.97

2,4'-DDD

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ15061-CALA	0.5	1125210	2250420.000	8.01
OJ15061-CALB	1	2191428	2191428.000	8.00
OJ15061-CALC	2	3682349	1841175.000	8.00
OJ15061-CALD	5	8751372	1750274.000	8.00
OJ15061-CALE	10	1.764873E+07	1764873.000	8.00
OJ15061-CALF	25	4.659062E+07	1863625.000	8.00
OJ15061-CALG	50	8.90077E+07	1780154.000	8.00
OJ15061-CALH	100	1.858274E+08	1858274.000	8.00
OJ15061-CALI	200	3.984332E+08	1992166.000	8.00

AVE RF 1921377.000 **RF RSD** 9.63 **AVE RT** 8.00

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

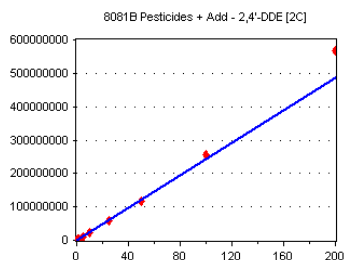
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

2,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

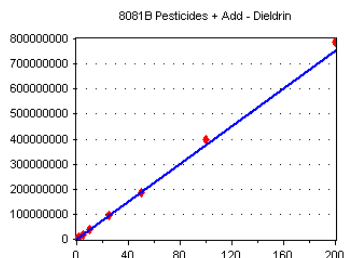


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	1304771	2609542.000	8.10
OJ15061-CALB	1	2507932	2507932.000	8.10
OJ15061-CALC	2	4384687	2192344.000	8.10
OJ15061-CALD	5	1.081621E+07	2163242.000	8.10
OJ15061-CALE	10	2.21422E+07	2214220.000	8.10
OJ15061-CALF	25	5.990982E+07	2396393.000	8.10
OJ15061-CALG	50	1.177977E+08	2355954.000	8.10
OJ15061-CALH	100	2.561226E+08	2561226.000	8.10
OJ15061-CALI	200	5.677623E+08	2838812.000	8.10

AVE RF 2426629.000 **RF RSD** 9.25 **AVE RT** 8.10

Dieldrin

Curve Fit: **AVERAGE RF**

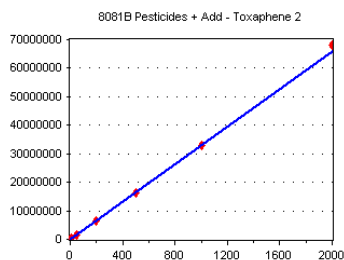


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1890452	3780904.000	8.10
OJ15061-CAL2	1	3676591	3676591.000	8.10
OJ15061-CAL3	2	7217877	3608939.000	8.10
OJ15061-CAL4	5	1.808407E+07	3616814.000	8.10
OJ15061-CAL5	10	3.754823E+07	3754823.000	8.10
OJ15061-CAL6	25	9.363528E+07	3745411.000	8.10
OJ15061-CAL7	50	1.872163E+08	3744326.000	8.10
OJ15061-CAL8	100	3.958193E+08	3958193.000	8.10
OJ15061-CAL9	200	7.851004E+08	3925502.000	8.10

AVE RF 3756834.000 **RF RSD** 3.23 **AVE RT** 8.10

Toxaphene 2

Curve Fit: **AVERAGE RF**

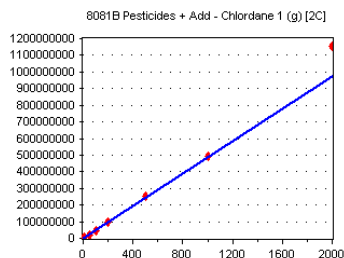


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	330702	33070.200	8.10
OJ15061-CALR	50	1648417	32968.340	8.10
OJ15061-CALT	200	6531155	32655.780	8.10
OJ15061-CALU	500	1.612189E+07	32243.780	8.10
OJ15061-CALV	1000	3.273216E+07	32732.160	8.10
OJ15061-CALW	2000	6.792348E+07	33961.740	8.10

AVE RF 32938.670 **RF RSD** 1.75 **AVE RT** 8.10

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CALJ	10	4425582	442558.200	8.11
OJ15061-CALK	50	2.219057E+07	443811.400	8.11
OJ15061-CALL	100	4.651615E+07	465161.500	8.11
OJ15061-CALM	200	9.591928E+07	479596.400	8.11
OJ15061-CALN	500	2.551435E+08	510287.000	8.11
OJ15061-CALO	1000	4.900782E+08	490078.200	8.11
OJ15061-CALP	2000	1.156982E+09	578491.000	8.11

AVE RF 487140.500 **RF RSD** 9.66 **AVE RT** 8.11

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

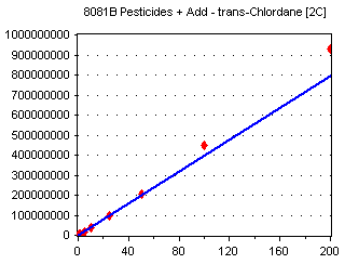
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

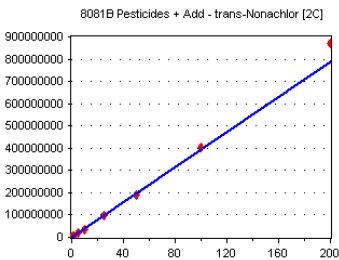


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1969558	3939116.000	8.11
OJ15061-CAL2	1	3716881	3716881.000	8.11
OJ15061-CAL3	2	7196150	3598075.000	8.11
OJ15061-CAL4	5	1.812804E+07	3625608.000	8.11
OJ15061-CAL5	10	3.762406E+07	3762406.000	8.11
OJ15061-CAL6	25	9.795059E+07	3918024.000	8.11
OJ15061-CAL7	50	2.062266E+08	4124532.000	8.11
OJ15061-CAL8	100	4.493511E+08	4493511.000	8.11
OJ15061-CAL9	200	9.287353E+08	4643677.000	8.11

AVE RF 3980203.000 RF RSD 9.39 AVE RT 8.11

trans-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

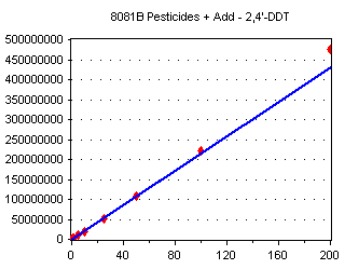


Standard	Concentration	Response	Factor	RT
OJ15061-CALA	0.5	2327996	4655992.000	8.18
OJ15061-CALB	1	4195390	4195390.000	8.18
OJ15061-CALC	2	7161689	3580845.000	8.18
OJ15061-CALD	5	1.745361E+07	3490722.000	8.18
OJ15061-CALE	10	3.571247E+07	3571247.000	8.18
OJ15061-CALF	25	9.505416E+07	3820167.000	8.18
OJ15061-CALG	50	1.88628E+08	3772560.000	8.18
OJ15061-CALH	100	4.051634E+08	4051634.000	8.18
OJ15061-CALI	200	8.730556E+08	4365278.000	8.18

AVE RF 3942870.000 RF RSD 10.16 AVE RT 8.18

2,4'-DDT

Curve Fit: **AVERAGE RF**

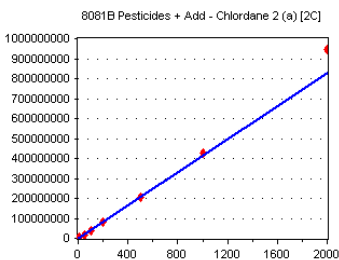


Standard	Concentration	Response	Factor	RT
OJ15061-CALA	0.5	1221609	2443218.000	8.19
OJ15061-CALB	1	2264292	2264292.000	8.18
OJ15061-CALC	2	3742080	1871040.000	8.18
OJ15061-CALD	5	9587017	1917403.000	8.18
OJ15061-CALE	10	1.970236E+07	1970236.000	8.18
OJ15061-CALF	25	5.249326E+07	2099731.000	8.18
OJ15061-CALG	50	1.081657E+08	2163314.000	8.18
OJ15061-CALH	100	2.207085E+08	2207085.000	8.18
OJ15061-CALI	200	4.754797E+08	2377399.000	8.18

AVE RF 2145969.000 RF RSD 9.33 AVE RT 8.18

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ15061-CALJ	10	4119232	411923.200	8.22
OJ15061-CALK	50	1.846854E+07	369370.800	8.22
OJ15061-CALL	100	3.944657E+07	394465.700	8.22
OJ15061-CALM	200	8.111566E+07	405578.300	8.22
OJ15061-CALN	500	2.077707E+08	415541.400	8.22
OJ15061-CALO	1000	4.277424E+08	427742.400	8.22
OJ15061-CALP	2000	9.467857E+08	473392.900	8.22

AVE RF 414002.100 RF RSD 7.74 AVE RT 8.22

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

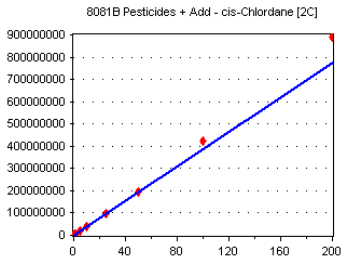
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

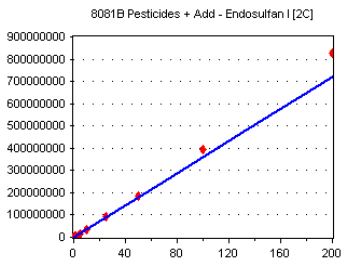


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1990595	3981190.000	8.22
OJ15061-CAL2	1	3697197	3697197.000	8.22
OJ15061-CAL3	2	7123870	3561935.000	8.22
OJ15061-CAL4	5	1.78216E+07	3564320.000	8.22
OJ15061-CAL5	10	3.726662E+07	3726662.000	8.22
OJ15061-CAL6	25	9.530894E+07	3812358.000	8.22
OJ15061-CAL7	50	1.954891E+08	3909782.000	8.22
OJ15061-CAL8	100	4.215527E+08	4215527.000	8.22
OJ15061-CAL9	200	8.89631E+08	4448155.000	8.22

AVE RF 3879681.000 RF RSD 7.67 AVE RT 8.22

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

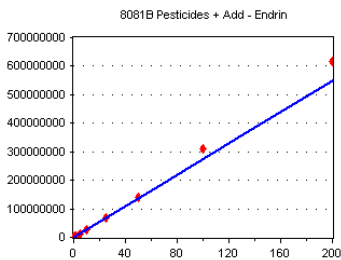


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1819190	3638380.000	8.27
OJ15061-CAL2	1	3424701	3424701.000	8.27
OJ15061-CAL3	2	6450502	3225251.000	8.27
OJ15061-CAL4	5	1.638974E+07	3277948.000	8.27
OJ15061-CAL5	10	3.429129E+07	3429129.000	8.27
OJ15061-CAL6	25	9.076954E+07	3630782.000	8.27
OJ15061-CAL7	50	1.826947E+08	3653894.000	8.27
OJ15061-CAL8	100	3.951055E+08	3951055.000	8.27
OJ15061-CAL9	200	8.272511E+08	4136255.000	8.27

AVE RF 3596377.000 RF RSD 8.34 AVE RT 8.27

Endrin

Curve Fit: **AVERAGE RF**

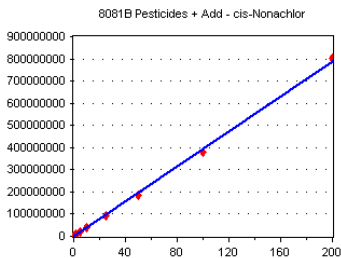


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1343181	2686362.000	8.27
OJ15061-CAL2	1	2564407	2564407.000	8.27
OJ15061-CAL3	2	5198958	2599479.000	8.27
OJ15061-CAL4	5	1.264388E+07	2528776.000	8.27
OJ15061-CAL5	10	2.597139E+07	2597139.000	8.27
OJ15061-CAL6	25	6.870141E+07	2748056.000	8.27
OJ15061-CAL7	50	1.388589E+08	2777178.000	8.27
OJ15061-CAL8	100	3.08941E+08	3089410.000	8.27
OJ15061-CAL9	200	6.180494E+08	3090247.000	8.27

AVE RF 2742339.000 RF RSD 7.79 AVE RT 8.27

cis-Nonachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ15061-CALA	0.5	2361680	4723360.000	8.29
OJ15061-CALB	1	4530614	4530614.000	8.29
OJ15061-CALC	2	7468006	3734003.000	8.29
OJ15061-CALD	5	1.786908E+07	3573816.000	8.29
OJ15061-CALE	10	3.714766E+07	3714766.000	8.29
OJ15061-CALF	25	9.35754E+07	3743016.000	8.29
OJ15061-CALG	50	1.839414E+08	3678828.000	8.29
OJ15061-CALH	100	3.782405E+08	3782405.000	8.29
OJ15061-CALI	200	8.023116E+08	4011558.000	8.29

AVE RF 3943596.000 RF RSD 10.33 AVE RT 8.29

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

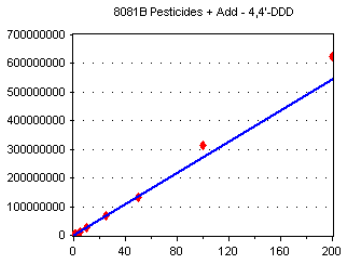
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

4,4'-DDD

Curve Fit: **AVERAGE RF**

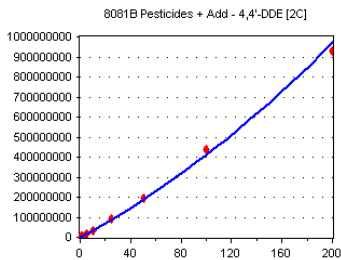


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1338233	2676466.000	8.31
OJ15061-CAL2	1	2561702	2561702.000	8.31
OJ15061-CAL3	2	5108732	2554366.000	8.31
OJ15061-CAL4	5	1.231717E+07	2463434.000	8.31
OJ15061-CAL5	10	2.560811E+07	2560811.000	8.31
OJ15061-CAL6	25	6.788429E+07	2715372.000	8.30
OJ15061-CAL7	50	1.340874E+08	2681748.000	8.30
OJ15061-CAL8	100	3.139188E+08	3139188.000	8.30
OJ15061-CAL9	200	6.247788E+08	3123894.000	8.30

AVE RF 2719664.000 **RF RSD** 9.06 **AVE RT** 8.30

4,4'-DDE [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

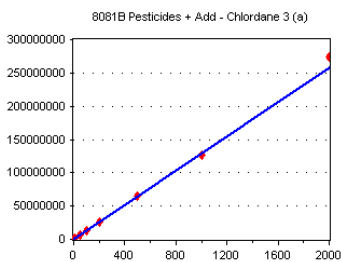


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1588759	3177518.000	8.32
OJ15061-CAL2	1	3083622	3083622.000	8.32
OJ15061-CAL3	2	6467389	3233695.000	8.32
OJ15061-CAL4	5	1.586625E+07	3173250.000	8.32
OJ15061-CAL5	10	3.36923E+07	3369230.000	8.32
OJ15061-CAL6	25	9.250154E+07	3700062.000	8.32
OJ15061-CAL7	50	1.957089E+08	3914178.000	8.32
OJ15061-CAL8	100	4.401254E+08	4401254.000	8.32
OJ15061-CAL9	200	9.322594E+08	4661297.000	8.32

AVE RF 3634901.000 **RF RSD** 15.93 **AVE RT** 8.32

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

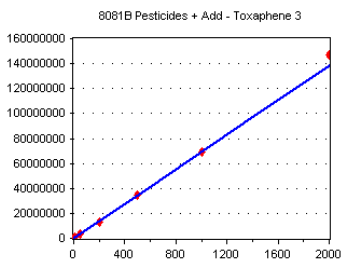


Standard	Concentration	Response	Factor	RT
OJ15061-CALJ	10	1337616	1337616.600	8.38
OJ15061-CALK	50	6256198	125124.000	8.38
OJ15061-CALL	100	1.246525E+07	124652.500	8.38
OJ15061-CALM	200	2.537232E+07	126861.600	8.38
OJ15061-CALN	500	6.413561E+07	128271.200	8.38
OJ15061-CALO	1000	1.267126E+08	126712.600	8.38
OJ15061-CALP	2000	2.746224E+08	137311.200	8.38

AVE RF 128956.400 **RF RSD** 3.69 **AVE RT** 8.38

Toxaphene 3

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OJ15061-CALQ	10	688382	68838.200	8.42
OJ15061-CALR	50	3404622	68092.440	8.42
OJ15061-CALT	200	1.338193E+07	66909.650	8.42
OJ15061-CALU	500	3.449308E+07	68986.160	8.42
OJ15061-CALV	1000	6.94588E+07	69458.800	8.42
OJ15061-CALW	2000	1.473102E+08	73655.100	8.42

AVE RF 69323.390 **RF RSD** 3.32 **AVE RT** 8.42

Element Calibration Review Sheet

 Calibration ID: **A0J2107**

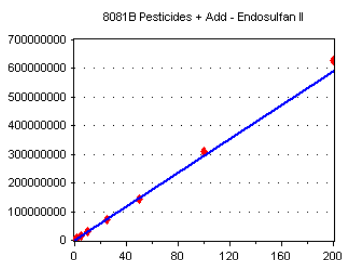
 Instrument: **DUALECD8**

 Calibration Date: **10/21/2020**

 Analysis: **8081B Pesticides + Add**

 Instrument Cal ID: **ECD8_QUANTPEST_20101**

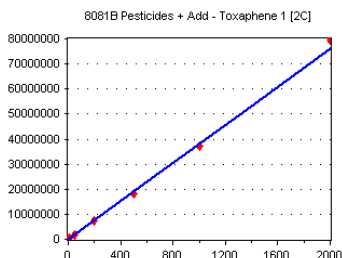
Endosulfan II

 Curve Fit: **AVERAGE RF**


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1532660	3065320.000	8.44
OJ15061-CAL2	1	2928662	2928662.000	8.43
OJ15061-CAL3	2	5775620	2887810.000	8.43
OJ15061-CAL4	5	1.381775E+07	2763550.000	8.43
OJ15061-CAL5	10	2.851135E+07	2851135.000	8.43
OJ15061-CAL6	25	7.269449E+07	2907780.000	8.43
OJ15061-CAL7	50	1.423438E+08	2846876.000	8.43
OJ15061-CAL8	100	3.121496E+08	3121496.000	8.43
OJ15061-CAL9	200	6.272476E+08	3136238.000	8.43

AVE RF **2945430.000** **RF RSD** **4.47** **AVE RT** **8.43**

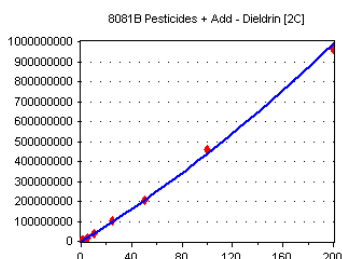
Toxaphene 1 [2C]

 Curve Fit: **AVERAGE RF**


Standard	Concentration	Response	Factor	RT
OJ15061-CALQ	10	399011	39901.100	8.44
OJ15061-CALR	50	1944781	38895.620	8.44
OJ15061-CALT	200	7231910	36159.550	8.44
OJ15061-CALU	500	1.810779E+07	36215.580	8.44
OJ15061-CALV	1000	3.70442E+07	37044.200	8.44
OJ15061-CALW	2000	7.963459E+07	39817.300	8.44

AVE RF **38005.560** **RF RSD** **4.59** **AVE RT** **8.44**

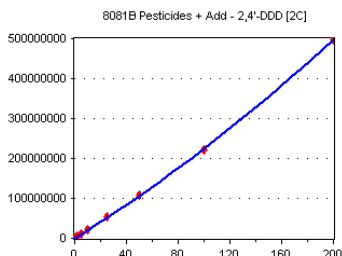
Dieldrin [2C]

 Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**


Standard	Concentration	Response	Factor	RT
OJ15061-CAL1	0.5	1903893	3807786.000	8.47
OJ15061-CAL2	1	3654098	3654098.000	8.47
OJ15061-CAL3	2	7205936	3602968.000	8.47
OJ15061-CAL4	5	1.876898E+07	3753796.000	8.47
OJ15061-CAL5	10	3.867688E+07	3867688.000	8.47
OJ15061-CAL6	25	1.038569E+08	4154276.000	8.47
OJ15061-CAL7	50	2.057968E+08	4115936.000	8.47
OJ15061-CAL8	100	4.598063E+08	4598063.000	8.47
OJ15061-CAL9	200	9.646588E+08	4823294.000	8.47

AVE RF **4041989.000** **RF RSD** **10.53** **AVE RT** **8.47**

2,4'-DDD [2C]

 Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**


Standard	Concentration	Response	Factor	RT
OJ15061-CALA	0.5	1319106	2638212.000	8.47
OJ15061-CALB	1	2545735	2545735.000	8.47
OJ15061-CALC	2	4129327	2064664.000	8.47
OJ15061-CALD	5	9938801	1987760.000	8.47
OJ15061-CALE	10	2.043638E+07	2043638.000	8.47
OJ15061-CALF	25	5.33807E+07	2135228.000	8.47
OJ15061-CALG	50	1.077824E+08	2155648.000	8.47
OJ15061-CALH	100	2.226407E+08	2226407.000	8.47
OJ15061-CALI	200	4.977243E+08	2488622.000	8.47

AVE RF **2253990.000** **RF RSD** **10.68** **AVE RT** **8.47**

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

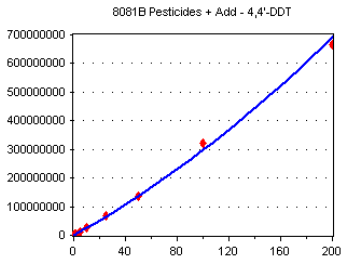
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

4,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

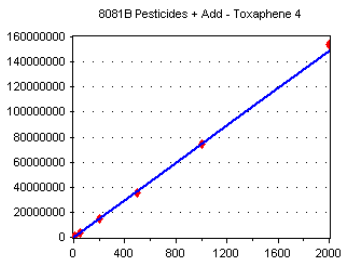


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1202509	2405018.000	8.50
OJ15061-CAL2	1	2340699	2340699.000	8.50
OJ15061-CAL3	2	4776266	2388133.000	8.50
OJ15061-CAL4	5	1.169022E+07	2338044.000	8.50
OJ15061-CAL5	10	2.509615E+07	2509615.000	8.50
OJ15061-CAL6	25	6.870501E+07	2748200.000	8.50
OJ15061-CAL7	50	1.378779E+08	2757558.000	8.50
OJ15061-CAL8	100	3.214173E+08	3214173.000	8.50
OJ15061-CAL9	200	6.643459E+08	3321730.000	8.50

AVE RF 2669241.000 **RF RSD** 14.07 **AVE RT** 8.50

Toxaphene 4

Curve Fit: **AVERAGE RF**

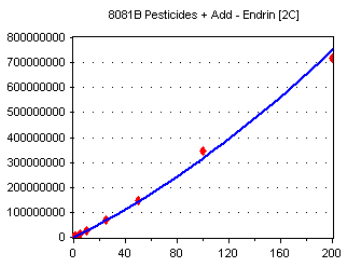


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	806604	80660.400	8.66
OJ15061-CALR	50	3598900	71978.000	8.66
OJ15061-CALT	200	1.434054E+07	71702.700	8.66
OJ15061-CALU	500	3.530341E+07	70606.810	8.66
OJ15061-CALV	1000	7.446222E+07	74462.230	8.66
OJ15061-CALW	2000	1.542259E+08	77112.950	8.66

AVE RF 74420.520 **RF RSD** 5.17 **AVE RT** 8.66

Endrin [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

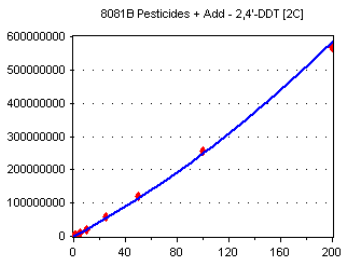


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1241690	2483380.000	8.69
OJ15061-CAL2	1	2521951	2521951.000	8.69
OJ15061-CAL3	2	4965041	2482521.000	8.69
OJ15061-CAL4	5	1.23827E+07	2476540.000	8.69
OJ15061-CAL5	10	2.497265E+07	2497265.000	8.69
OJ15061-CAL6	25	7.07471E+07	2829884.000	8.69
OJ15061-CAL7	50	1.473103E+08	2946206.000	8.69
OJ15061-CAL8	100	3.459103E+08	3459103.000	8.69
OJ15061-CAL9	200	7.172319E+08	3586159.000	8.69

AVE RF 2809223.000 **RF RSD** 15.66 **AVE RT** 8.69

2,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	1355429	2710858.000	8.69
OJ15061-CALB	1	2394823	2394823.000	8.69
OJ15061-CALC	2	3988690	1994345.000	8.69
OJ15061-CALD	5	1.011557E+07	2023114.000	8.69
OJ15061-CALE	10	2.090847E+07	2090847.000	8.69
OJ15061-CALF	25	5.801326E+07	2320531.000	8.69
OJ15061-CALG	50	1.203029E+08	2406058.000	8.69
OJ15061-CALH	100	2.572524E+08	2572524.000	8.69
OJ15061-CALI	200	5.670772E+08	2835386.000	8.69

AVE RF 2372054.000 **RF RSD** 12.63 **AVE RT** 8.69

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

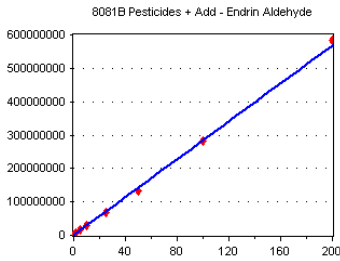
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Endrin Aldehyde

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

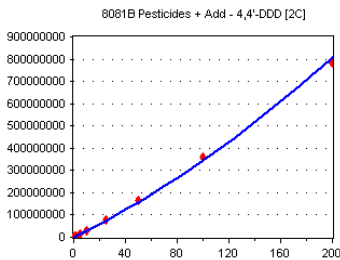


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	2173619	4347238.000	8.73
OJ15061-CAL2	1	3907593	3907593.000	8.73
OJ15061-CAL3	2	7357293	3678647.000	8.73
OJ15061-CAL4	5	1.478115E+07	2956230.000	8.73
OJ15061-CAL5	10	2.788152E+07	2788152.000	8.73
OJ15061-CAL6	25	6.857176E+07	2742871.000	8.73
OJ15061-CAL7	50	1.342918E+08	2685836.000	8.72
OJ15061-CAL8	100	2.824284E+08	2824284.000	8.72
OJ15061-CAL9	200	5.835017E+08	2917509.000	8.72

AVE RF 3205373.000 **RF RSD** 19.01 **AVE RT** 8.73

4,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

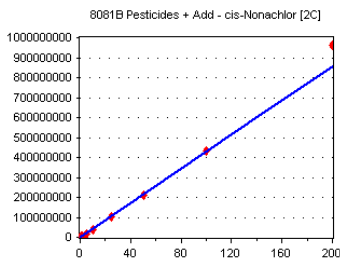


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1460301	2920602.000	8.74
OJ15061-CAL2	1	2804997	2804997.000	8.74
OJ15061-CAL3	2	5453646	2726823.000	8.73
OJ15061-CAL4	5	1.373075E+07	2746150.000	8.73
OJ15061-CAL5	10	2.943807E+07	2943807.000	8.73
OJ15061-CAL6	25	7.685317E+07	3074127.000	8.73
OJ15061-CAL7	50	1.632024E+08	3264048.000	8.73
OJ15061-CAL8	100	3.619428E+08	3619428.000	8.73
OJ15061-CAL9	200	7.853932E+08	3926966.000	8.73

AVE RF 3114105.000 **RF RSD** 13.37 **AVE RT** 8.73

cis-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

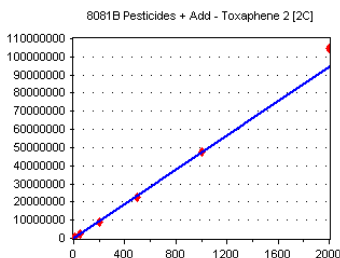


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	2474139	4948278.000	8.74
OJ15061-CALB	1	4587763	4587763.000	8.74
OJ15061-CALC	2	7629694	3814847.000	8.74
OJ15061-CALD	5	1.889308E+07	3778616.000	8.74
OJ15061-CALE	10	3.914634E+07	3914634.000	8.74
OJ15061-CALF	25	1.032783E+08	4131132.000	8.74
OJ15061-CALG	50	2.084081E+08	4168162.000	8.74
OJ15061-CALH	100	4.351283E+08	4351283.000	8.74
OJ15061-CALI	200	9.613093E+08	4806547.000	8.73

AVE RF 4277918.000 **RF RSD** 9.98 **AVE RT** 8.74

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	464016	46401.600	8.79
OJ15061-CALR	50	2303326	46066.520	8.79
OJ15061-CALT	200	8939693	44698.460	8.79
OJ15061-CALU	500	2.274714E+07	45494.280	8.79
OJ15061-CALV	1000	4.783642E+07	47836.420	8.79
OJ15061-CALW	2000	1.04738E+08	52369.000	8.79

AVE RF 47144.380 **RF RSD** 5.86 **AVE RT** 8.79

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

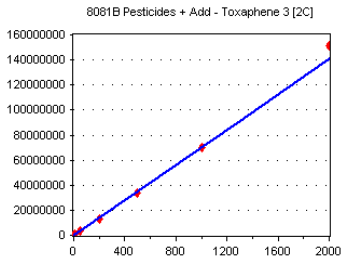
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

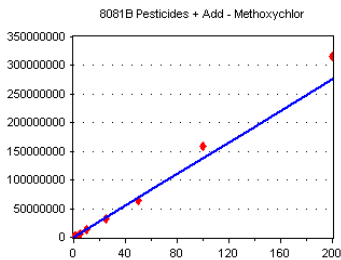


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	754224	75422.400	8.83
OJ15061-CALR	50	3392585	67851.700	8.83
OJ15061-CALT	200	1.30975E+07	65487.500	8.83
OJ15061-CALU	500	3.377527E+07	67550.550	8.83
OJ15061-CALV	1000	7.009351E+07	70093.520	8.82
OJ15061-CALW	2000	1.511803E+08	75590.150	8.82

AVE RF 70332.630 **RF RSD** 6.06 **AVE RT** 8.82

Methoxychlor

Curve Fit: **AVERAGE RF**

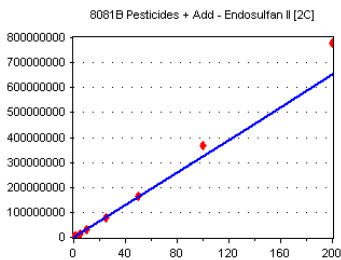


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	712510	1425020.000	8.84
OJ15061-CAL2	1	1332109	1332109.000	8.83
OJ15061-CAL3	2	2713959	1356980.000	8.83
OJ15061-CAL4	5	6325525	1265105.000	8.83
OJ15061-CAL5	10	1.265521E+07	1265521.000	8.83
OJ15061-CAL6	25	3.259557E+07	1303823.000	8.83
OJ15061-CAL7	50	6.398586E+07	1279717.000	8.83
OJ15061-CAL8	100	1.583769E+08	1583769.000	8.83
OJ15061-CAL9	200	3.154462E+08	1577231.000	8.83

AVE RF 1376586.000 **RF RSD** 9.16 **AVE RT** 8.83

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

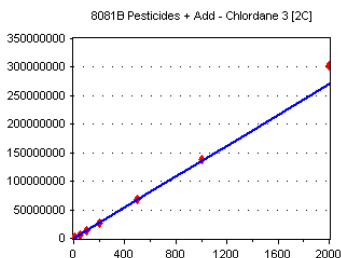


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1655922	3311844.000	8.84
OJ15061-CAL2	1	3080696	3080696.000	8.84
OJ15061-CAL3	2	5953424	2976712.000	8.84
OJ15061-CAL4	5	1.446738E+07	2893476.000	8.84
OJ15061-CAL5	10	3.011892E+07	3011892.000	8.84
OJ15061-CAL6	25	7.916834E+07	3166734.000	8.84
OJ15061-CAL7	50	1.654706E+08	3309412.000	8.84
OJ15061-CAL8	100	3.668063E+08	3668063.000	8.84
OJ15061-CAL9	200	7.770257E+08	3885129.000	8.84

AVE RF 3255995.000 **RF RSD** 10.18 **AVE RT** 8.84

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CALJ	10	1424459	142445.900	8.87
OJ15061-CALK	50	6150473	123009.500	8.87
OJ15061-CALL	100	1.25359E+07	125359.000	8.87
OJ15061-CALM	200	2.578283E+07	128914.100	8.87
OJ15061-CALN	500	6.875428E+07	137508.600	8.87
OJ15061-CALO	1000	1.384627E+08	138462.700	8.87
OJ15061-CALP	2000	3.021017E+08	151050.800	8.87

AVE RF 135250.100 **RF RSD** 7.42 **AVE RT** 8.87

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

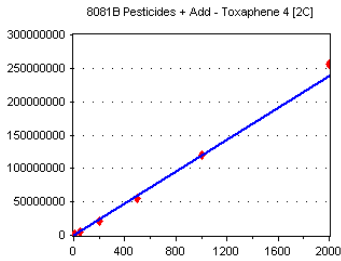
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Toxaphene 4 [2C]

Curve Fit: **AVERAGE RF**

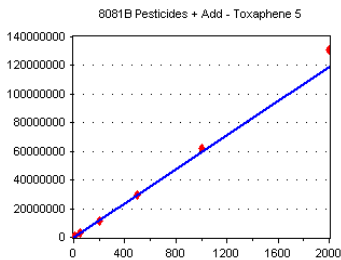


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	1349902	134990.200	8.89
OJ15061-CALR	50	5669610	113392.200	8.89
OJ15061-CALT	200	2.151915E+07	107595.800	8.89
OJ15061-CALU	500	5.541282E+07	110825.600	8.89
OJ15061-CALV	1000	1.200841E+08	120084.100	8.89
OJ15061-CALW	2000	2.558128E+08	127906.400	8.89

AVE RF 119132.400 **RF RSD** 8.92 **AVE RT** 8.89

Toxaphene 5

Curve Fit: **AVERAGE RF**

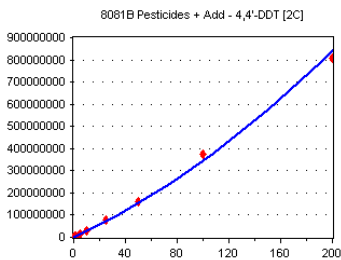


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	543118	54311.800	8.89
OJ15061-CALR	50	2870073	57401.460	8.89
OJ15061-CALT	200	1.158409E+07	57920.450	8.89
OJ15061-CALU	500	2.959844E+07	59196.880	8.89
OJ15061-CALV	1000	6.187611E+07	61876.110	8.89
OJ15061-CALW	2000	1.309448E+08	65472.400	8.89

AVE RF 59363.180 **RF RSD** 6.53 **AVE RT** 8.89

4,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

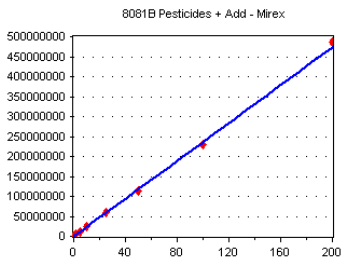


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1227833	2455666.000	8.96
OJ15061-CAL2	1	2447680	2447680.000	8.96
OJ15061-CAL3	2	4865206	2432603.000	8.96
OJ15061-CAL4	5	1.275413E+07	2550826.000	8.96
OJ15061-CAL5	10	2.696225E+07	2696225.000	8.96
OJ15061-CAL6	25	7.603364E+07	3041346.000	8.96
OJ15061-CAL7	50	1.584137E+08	3168274.000	8.96
OJ15061-CAL8	100	3.736752E+08	3736752.000	8.96
OJ15061-CAL9	200	8.064791E+08	4032396.000	8.96

AVE RF 2951307.000 **RF RSD** 20.17 **AVE RT** 8.96

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	1825977	3651954.000	8.96
OJ15061-CALB	1	3315145	3315145.000	8.96
OJ15061-CALC	2	5444461	2722231.000	8.96
OJ15061-CALD	5	1.205108E+07	2410216.000	8.96
OJ15061-CALE	10	2.437342E+07	2437342.000	8.96
OJ15061-CALF	25	5.907428E+07	2362971.000	8.96
OJ15061-CALG	50	1.130404E+08	2260808.000	8.96
OJ15061-CALH	100	2.287059E+08	2287059.000	8.96
OJ15061-CALI	200	4.862299E+08	2431150.000	8.96

AVE RF 2653208.000 **RF RSD** 18.69 **AVE RT** 8.96

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

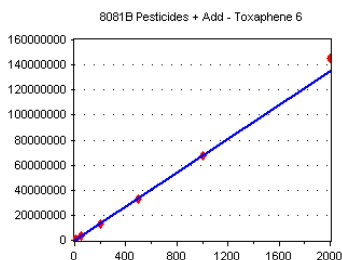
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Toxaphene 6

Curve Fit: **AVERAGE RF**

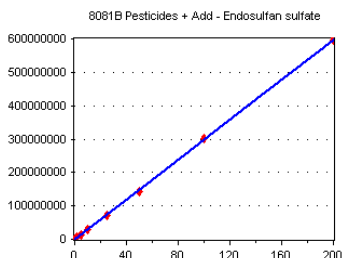


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	681518	68151.800	8.97
OJ15061-CALR	50	3244525	64890.500	8.96
OJ15061-CALT	200	1.300927E+07	65046.350	8.96
OJ15061-CALU	500	3.303615E+07	66072.300	8.96
OJ15061-CALV	1000	6.723978E+07	67239.770	8.96
OJ15061-CALW	2000	1.451009E+08	72550.450	8.96

AVE RF 67325.200 **RF RSD** 4.24 **AVE RT** 8.96

Endosulfan sulfate

Curve Fit: **AVERAGE RF**

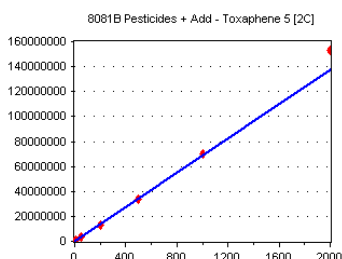


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1731826	3463652.000	9.03
OJ15061-CAL2	1	3157154	3157154.000	9.03
OJ15061-CAL3	2	5905541	2952771.000	9.03
OJ15061-CAL4	5	1.396486E+07	2792972.000	9.03
OJ15061-CAL5	10	2.809791E+07	2809791.000	9.03
OJ15061-CAL6	25	7.199091E+07	2879637.000	9.03
OJ15061-CAL7	50	1.425333E+08	2850666.000	9.03
OJ15061-CAL8	100	3.010094E+08	3010094.000	9.03
OJ15061-CAL9	200	5.961838E+08	2980919.000	9.03

AVE RF 2988628.000 **RF RSD** 7.07 **AVE RT** 9.03

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**

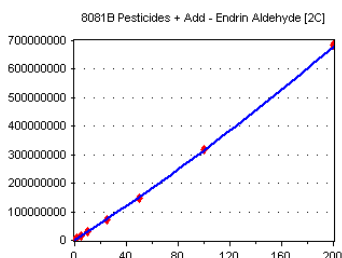


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	702293	70229.300	9.07
OJ15061-CALR	50	3263105	65262.100	9.07
OJ15061-CALT	200	1.284584E+07	64229.200	9.07
OJ15061-CALU	500	3.353962E+07	67079.240	9.07
OJ15061-CALV	1000	6.97999E+07	69799.910	9.07
OJ15061-CALW	2000	1.534858E+08	76742.900	9.07

AVE RF 68890.440 **RF RSD** 6.57 **AVE RT** 9.07

Endrin Aldehyde [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	2196243	4392486.000	9.07
OJ15061-CAL2	1	3815413	3815413.000	9.07
OJ15061-CAL3	2	7179367	3589684.000	9.07
OJ15061-CAL4	5	1.50715E+07	3014300.000	9.07
OJ15061-CAL5	10	2.947767E+07	2947767.000	9.07
OJ15061-CAL6	25	7.327458E+07	2930983.000	9.07
OJ15061-CAL7	50	1.460396E+08	2920792.000	9.07
OJ15061-CAL8	100	3.193092E+08	3193092.000	9.07
OJ15061-CAL9	200	6.84238E+08	3421190.000	9.07

AVE RF 3358412.000 **RF RSD** 14.98 **AVE RT** 9.07

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

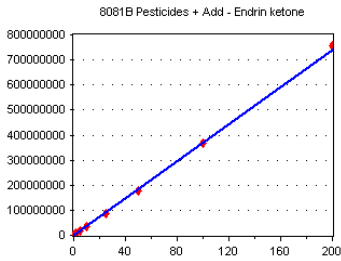
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Endrin ketone

Curve Fit: **AVERAGE RF**

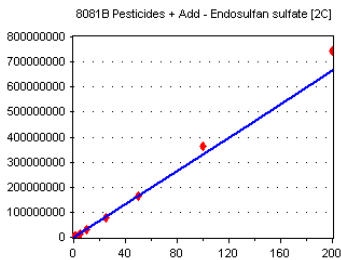


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	2069188	4138376.000	9.24
OJ15061-CAL2	1	3789042	3789042.000	9.23
OJ15061-CAL3	2	7274419	3637210.000	9.23
OJ15061-CAL4	5	1.802375E+07	3604750.000	9.23
OJ15061-CAL5	10	3.560505E+07	3560505.000	9.23
OJ15061-CAL6	25	8.834975E+07	3533990.000	9.23
OJ15061-CAL7	50	1.78018E+08	3560360.000	9.23
OJ15061-CAL8	100	3.6819E+08	3681900.000	9.23
OJ15061-CAL9	200	7.549577E+08	3774789.000	9.23

AVE RF 3697880.000 RF RSD 5.11 AVE RT 9.23

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

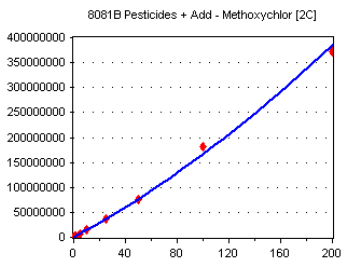


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1864404	3728808.000	9.27
OJ15061-CAL2	1	3258540	3258540.000	9.27
OJ15061-CAL3	2	6267396	3133698.000	9.27
OJ15061-CAL4	5	1.496955E+07	2993910.000	9.27
OJ15061-CAL5	10	3.045163E+07	3045163.000	9.26
OJ15061-CAL6	25	7.87263E+07	3149052.000	9.26
OJ15061-CAL7	50	1.628361E+08	3256722.000	9.26
OJ15061-CAL8	100	3.619464E+08	3619464.000	9.26
OJ15061-CAL9	200	7.438466E+08	3719233.000	9.27

AVE RF 3322732.000 RF RSD 8.71 AVE RT 9.26

Methoxychlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

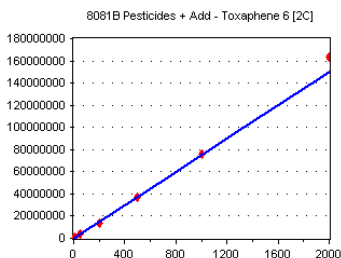


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	771752	1543504.000	9.43
OJ15061-CAL2	1	1490489	1490489.000	9.42
OJ15061-CAL3	2	2917738	1458869.000	9.42
OJ15061-CAL4	5	6672527	1334505.000	9.42
OJ15061-CAL5	10	1.410484E+07	1410484.000	9.42
OJ15061-CAL6	25	3.780903E+07	1512361.000	9.42
OJ15061-CAL7	50	7.507455E+07	1501491.000	9.42
OJ15061-CAL8	100	1.811444E+08	1811444.000	9.42
OJ15061-CAL9	200	3.725214E+08	1862607.000	9.42

AVE RF 1547306.000 RF RSD 11.37 AVE RT 9.42

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CALQ	10	779942	77994.200	9.44
OJ15061-CALR	50	3524155	70483.100	9.44
OJ15061-CALT	200	1.399055E+07	69952.750	9.44
OJ15061-CALU	500	3.661814E+07	73236.280	9.44
OJ15061-CALV	1000	7.59658E+07	75965.800	9.44
OJ15061-CALW	2000	1.633167E+08	81658.350	9.44

AVE RF 74881.750 RF RSD 6.07 AVE RT 9.44

Element Calibration Review Sheet

Calibration ID: **A0J2107**

Instrument: **DUALECD8**

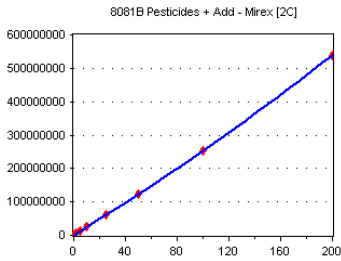
Calibration Date: **10/21/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8_QUANTPEST_20101**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

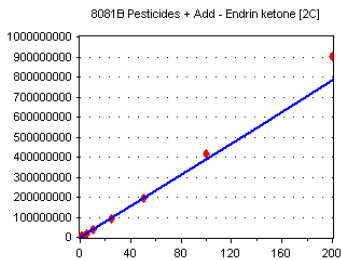


Standard	Concentration	Response	Response Factor	RT
OJ15061-CALA	0.5	1941278	3882556.000	9.65
OJ15061-CALB	1	3435505	3435505.000	9.65
OJ15061-CALC	2	5403191	2701596.000	9.65
OJ15061-CALD	5	1.21606E+07	2432120.000	9.65
OJ15061-CALE	10	2.447128E+07	2447128.000	9.65
OJ15061-CALF	25	6.083436E+07	2433375.000	9.65
OJ15061-CALG	50	1.234717E+08	2469434.000	9.64
OJ15061-CALH	100	2.545269E+08	2545269.000	9.65
OJ15061-CALI	200	5.382337E+08	2691169.000	9.64

AVE RF 2782017.000 **RF RSD** 18.69 **AVE RT** 9.65

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

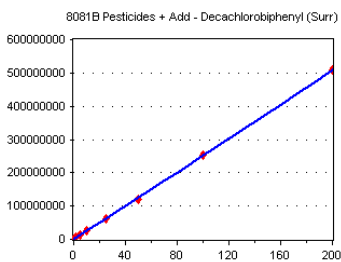


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	7722042	1.544	9.66
OJ15061-CAL2	1	4169368	4169368.000	9.66
OJ15061-CAL3	2	7194544	3597272.000	9.66
OJ15061-CAL4	5	1.76444E+07	3528880.000	9.66
OJ15061-CAL5	10	3.655581E+07	3655581.000	9.65
OJ15061-CAL6	25	9.339277E+07	3735711.000	9.66
OJ15061-CAL7	50	1.932279E+08	3864558.000	9.66
OJ15061-CAL8	100	4.180418E+08	4180418.000	9.66
OJ15061-CAL9	200	9.03554E+08	4517770.000	9.66

AVE RF 3906195.000 **RF RSD** 8.92 **AVE RT** 9.66

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

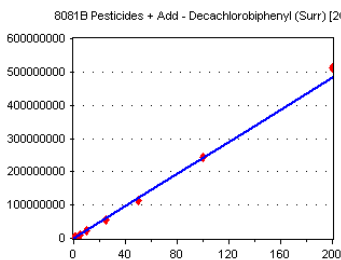


Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1866301	3732602.000	9.90
OJ15061-CAL2	1	3197716	3197716.000	9.90
OJ15061-CAL3	2	5701683	2850842.000	9.90
OJ15061-CAL4	5	1.28632E+07	2572640.000	9.90
OJ15061-CAL5	10	2.566336E+07	2566336.000	9.90
OJ15061-CAL6	25	6.231846E+07	2492739.000	9.90
OJ15061-CAL7	50	1.21564E+08	2431280.000	9.90
OJ15061-CAL8	100	2.543656E+08	2543656.000	9.90
OJ15061-CAL9	200	5.089062E+08	2544531.000	9.90

AVE RF 2770260.000 **RF RSD** 15.58 **AVE RT** 9.90

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OJ15061-CAL1	0.5	1410803	2821606.000	10.51
OJ15061-CAL2	1	2586506	2586506.000	10.51
OJ15061-CAL3	2	4791544	2395772.000	10.51
OJ15061-CAL4	5	1.128383E+07	2256766.000	10.51
OJ15061-CAL5	10	2.221992E+07	2221992.000	10.50
OJ15061-CAL6	25	5.626095E+07	2250438.000	10.50
OJ15061-CAL7	50	1.124335E+08	2248670.000	10.51
OJ15061-CAL8	100	2.423042E+08	2423042.000	10.50
OJ15061-CAL9	200	5.137921E+08	2568961.000	10.51

AVE RF 2419306.000 **RF RSD** 8.47 **AVE RT** 10.50

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0J15061

Analysis Included

**1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608.3 Pesticides
608.3 Additional
608.3 Chlordane
608.3 Pest (Chlordane)
608.3 Pest + Add (250mL) - Development
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: 0J15061

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0J15061-ICB1	Initial Cal Blank	Water	A20J148		10/15/2020 6:15:00PM
0J15061-CAL1	Cal Standard	Water	A20J274	"	10/15/2020 6:32:00PM
0J15061-CAL2	Cal Standard	Water	A20J275	"	10/15/2020 6:48:00PM
0J15061-CAL3	Cal Standard	Water	A20H471	"	10/15/2020 7:05:00PM
0J15061-CAL4	Cal Standard	Water	A20H472	"	10/15/2020 7:21:00PM
0J15061-CAL5	Cal Standard	Water	A20H473	"	10/15/2020 7:38:00PM
0J15061-CAL6	Cal Standard	Water	A20H474	"	10/15/2020 7:54:00PM
0J15061-CAL7	Cal Standard	Water	A20H475	"	10/15/2020 8:11:00PM
0J15061-CAL8	Cal Standard	Water	A20H476	"	10/15/2020 8:27:00PM
0J15061-CAL9	Cal Standard	Water	A20H470	"	10/15/2020 8:44:00PM
0J15061-ICV1	Initial Cal Check	Water	A20I130	"	10/15/2020 9:17:00PM
0J15061-CALA	Cal Standard	Water	A20J276	"	10/15/2020 9:33:00PM
0J15061-CALB	Cal Standard	Water	A20I180	"	10/15/2020 9:50:00PM
0J15061-CALC	Cal Standard	Water	A20I181	"	10/15/2020 10:06:00PM
0J15061-CALD	Cal Standard	Water	A20I182	"	10/15/2020 10:23:00PM
0J15061-CALE	Cal Standard	Water	A20I183	"	10/15/2020 10:39:00PM
0J15061-CALF	Cal Standard	Water	A20I184	"	10/15/2020 10:56:00PM
0J15061-CALG	Cal Standard	Water	A20I185	"	10/15/2020 11:12:00PM
0J15061-CALH	Cal Standard	Water	A20I186	"	10/15/2020 11:29:00PM
0J15061-CALI	Cal Standard	Water	A20I179	"	10/15/2020 11:46:00PM
0J15061-ICV2	Initial Cal Check	Water	A20I187	"	10/16/2020 12:19:00AM
0J15061-CALJ	Cal Standard	Water	A20J277	"	10/16/2020 12:35:00AM
0J15061-CALK	Cal Standard	Water	A20F057	"	10/16/2020 12:52:00AM
0J15061-CALL	Cal Standard	Water	A20F058	"	10/16/2020 1:08:00AM
0J15061-CALM	Cal Standard	Water	A20F059	"	10/16/2020 1:24:00AM
0J15061-CALN	Cal Standard	Water	A20F060	"	10/16/2020 1:41:00AM
0J15061-CALO	Cal Standard	Water	A20F061	"	10/16/2020 1:58:00AM
0J15061-CALP	Cal Standard	Water	A20F056	"	10/16/2020 2:14:00AM
0J15061-ICV3	Initial Cal Check	Water	A20F062	"	10/16/2020 2:47:00AM
0J15061-CALQ	Cal Standard	Water	A20J278	"	10/16/2020 3:04:00AM
0J15061-CALR	Cal Standard	Water	A20F064	"	10/16/2020 3:20:00AM
0J15061-CALS	Cal Standard	Water	A20F065	"	10/16/2020 3:37:00AM
0J15061-CALT	Cal Standard	Water	A20F066	"	10/16/2020 3:53:00AM
0J15061-CALU	Cal Standard	Water	A20D430	"	10/16/2020 4:10:00AM
0J15061-CALV	Cal Standard	Water	A20D431	"	10/16/2020 4:26:00AM
0J15061-CALW	Cal Standard	Water	A20F063	"	10/16/2020 4:43:00AM
0J15061-ICV4	Initial Cal Check	Water	A20F067	"	10/16/2020 5:16:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0J2107**

Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg L

Sequence: **0J15061**

Matrix: **Water**

0J15061-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0J15061

0J15061-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Chlordane (Technical)	940.0000	0.00	1000	0	
Chlordane (Technical) [2C]	940.0000	0.00	1000	0	
0J15061-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Chlordane (Technical)	940.0000	0.00	2000	0	
Chlordane (Technical) [2C]	940.0000	0.00	2000	0	
0J15061-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0J15061-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0J15061

0J15061-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	1000	0	
Toxaphene (Total) [2C]	940.0000	0.00	1000	0	
0J15061-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	2000	0	
Toxaphene (Total) [2C]	940.0000	0.00	2000	0	

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

Analytes With Quadratic Curve Fits

Qualifier iMDL iMRL Spike Amt %Difference OK? Raise MRL to ?

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0J2107**

Instrument: **DUALECD8F**

608.3 Pest + Add (250mL) - Dc

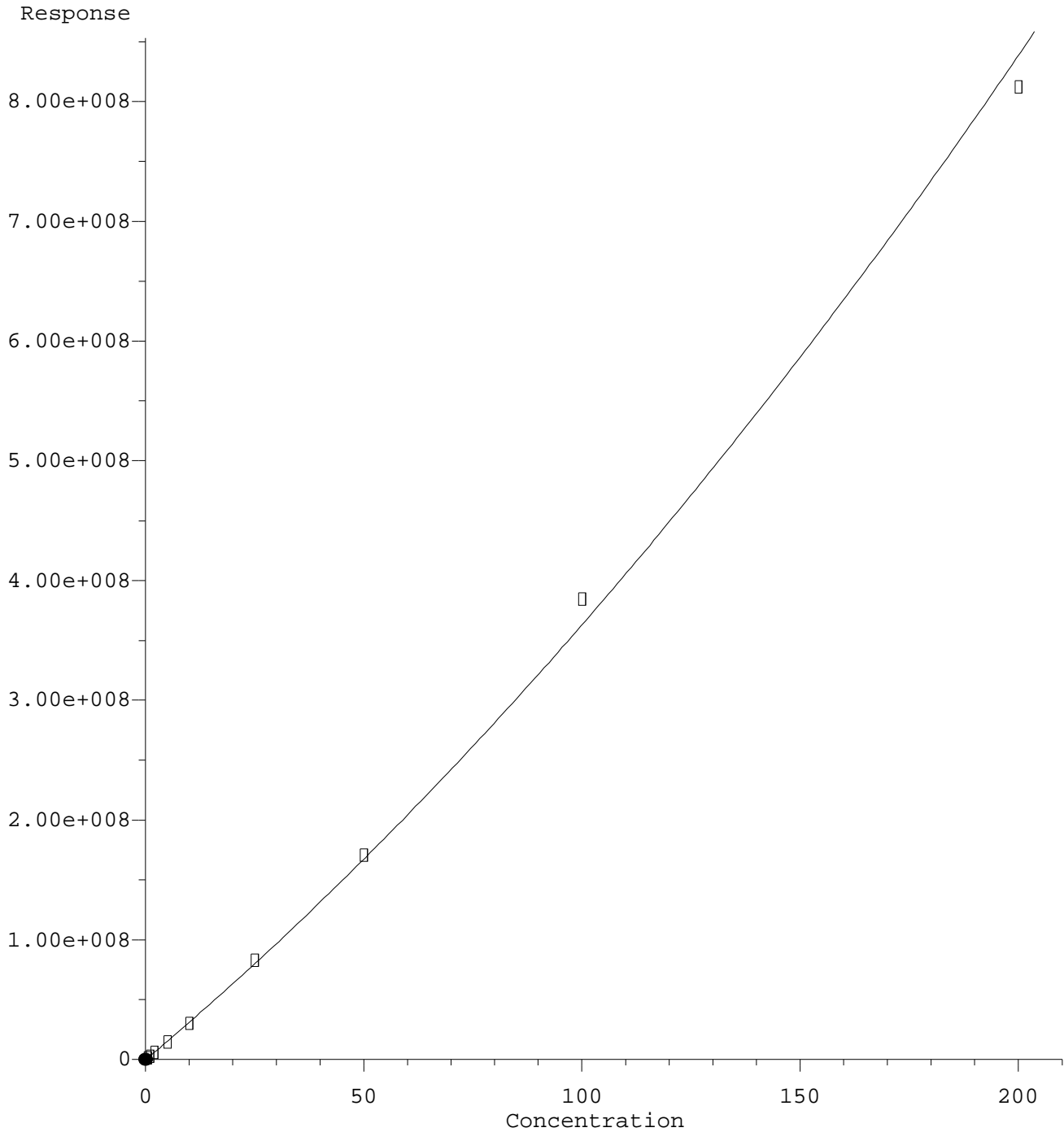
Sequence: **0J15061**

Matrix: **Water**

0J15061-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
0J15061-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual
0J15061-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual
0J15061-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.

d-BHC

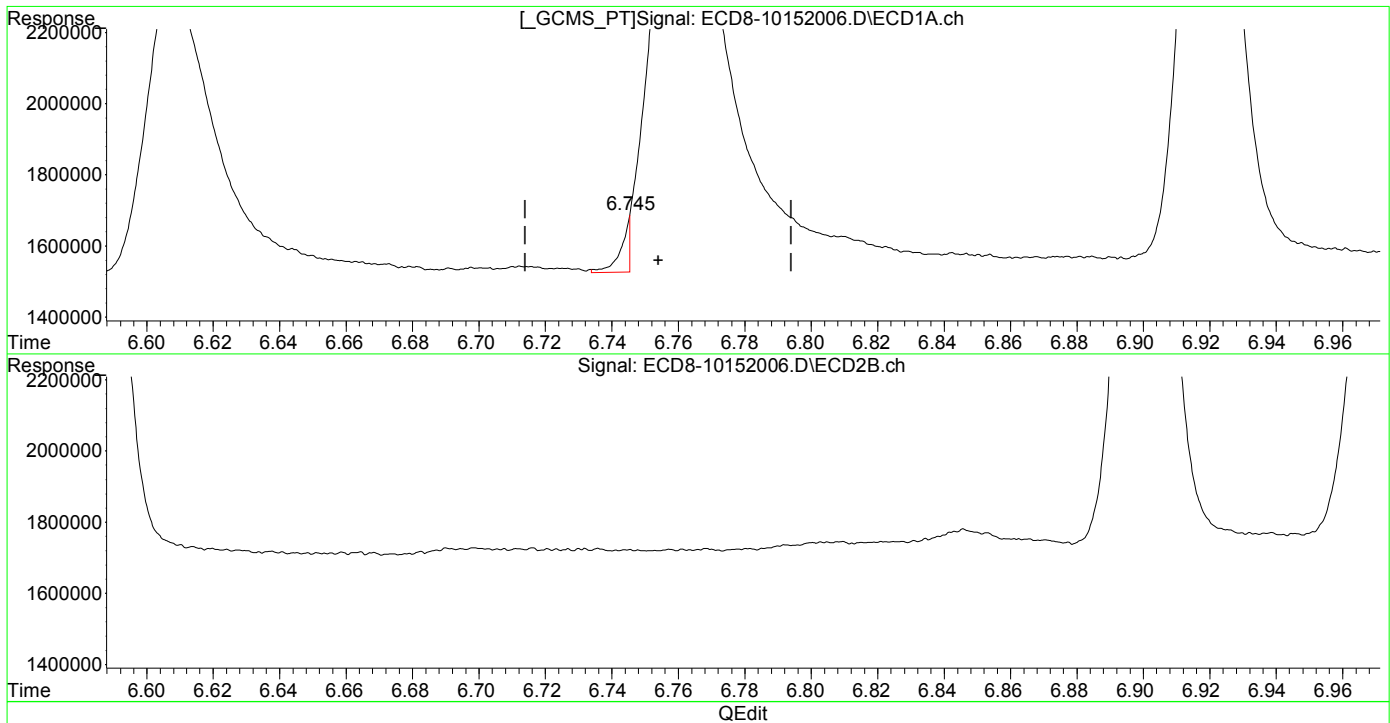


R = 5.64e+003 A*A + 3.07e+006 A - 1.78e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

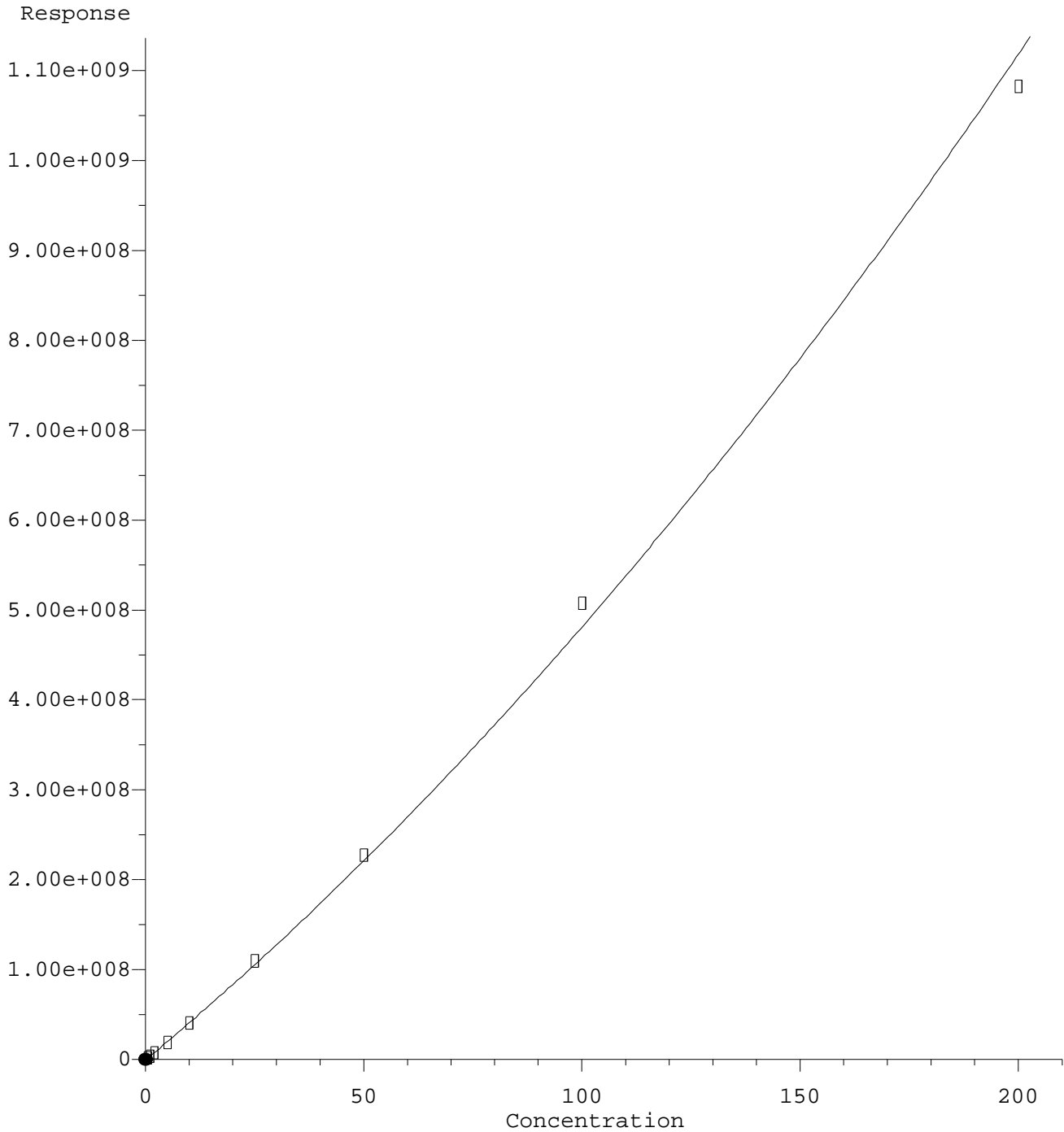


(6) d-BHC
6.745min 0.105 ng/mL m
response 142740

MJB 10/21/20

(6) d-BHC #2
7.218min 0.517 ng/mL
response 1816056

d-BHC #2

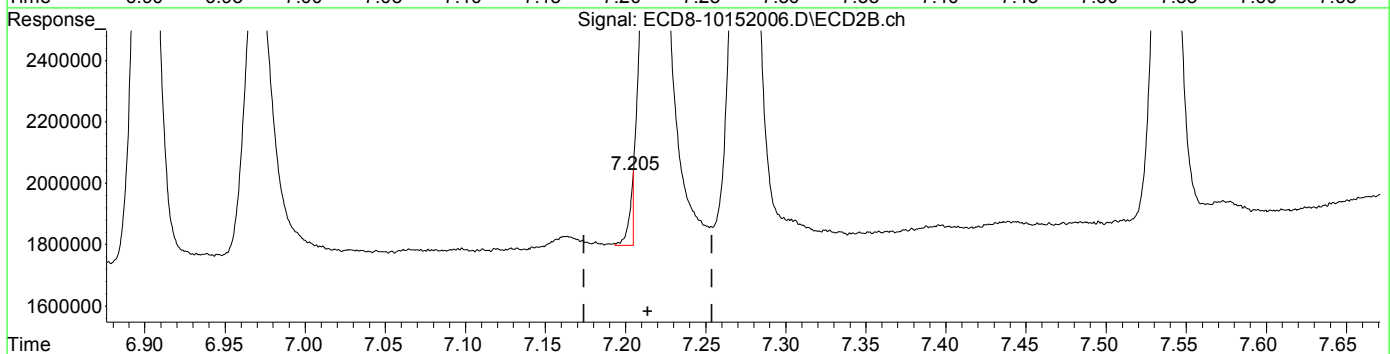
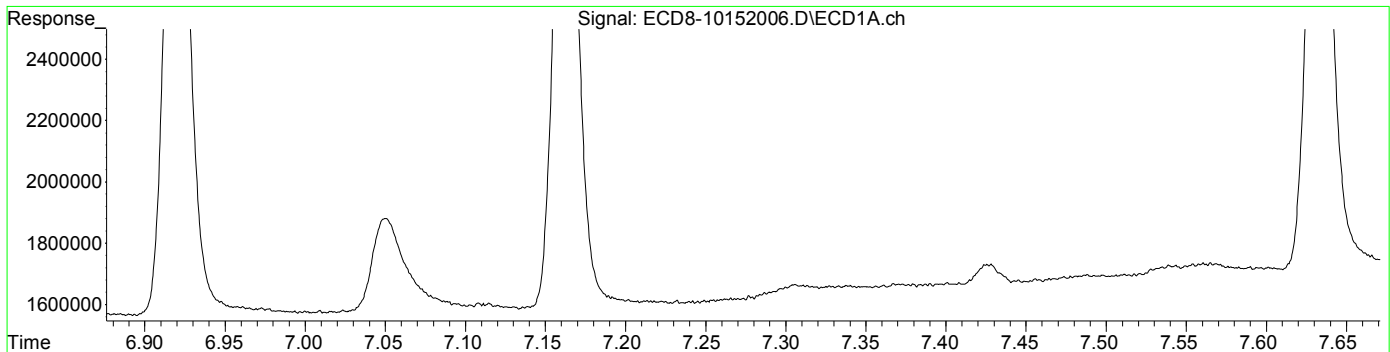


R = 7.83e+003 A*A + 4.03e+006 A - 2.70e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



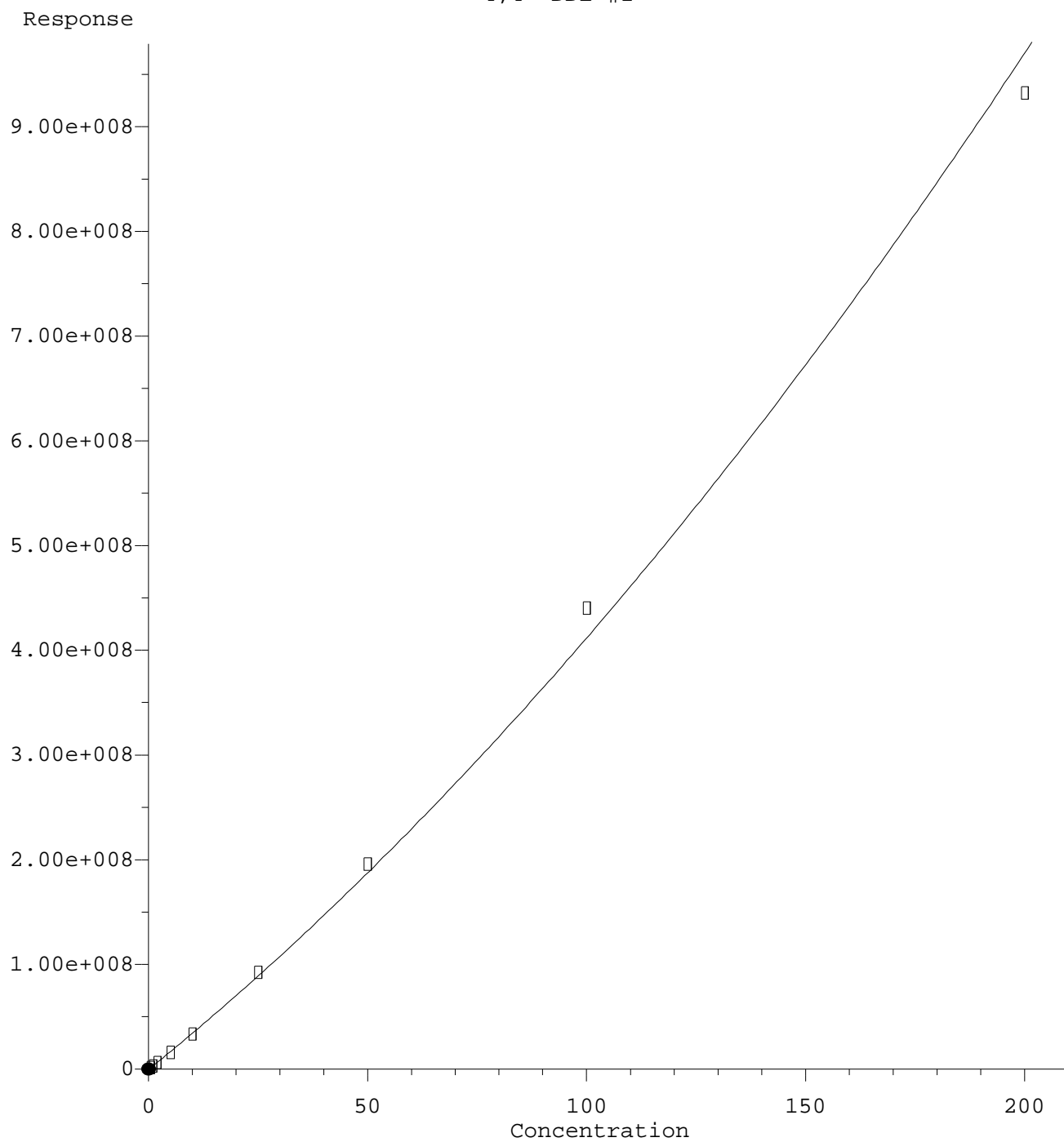
QEdit

(6) d-BHC
6.745min 0.105 ng/mL m
response 142740

MJB 10/21/20

(6) d-BHC #2
7.205min 0.125 ng/mL m
response 232349

4,4'-DDE #2

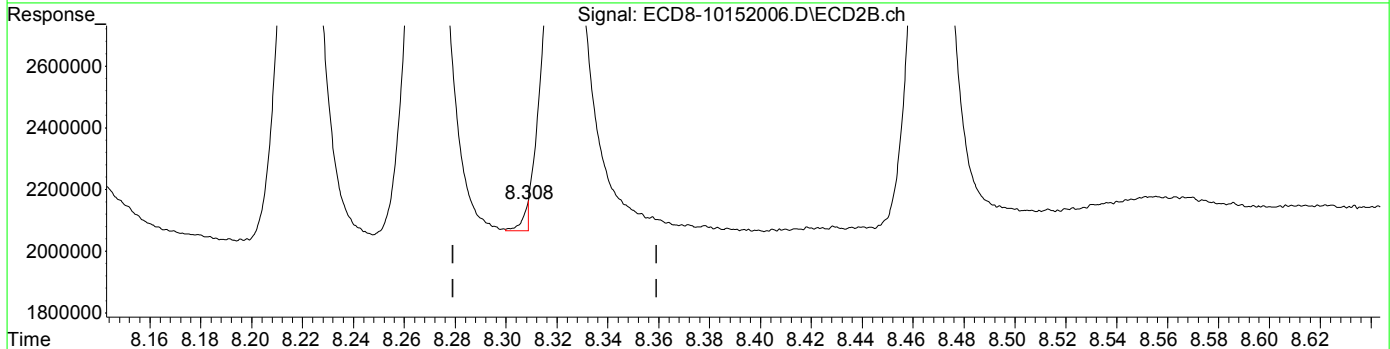
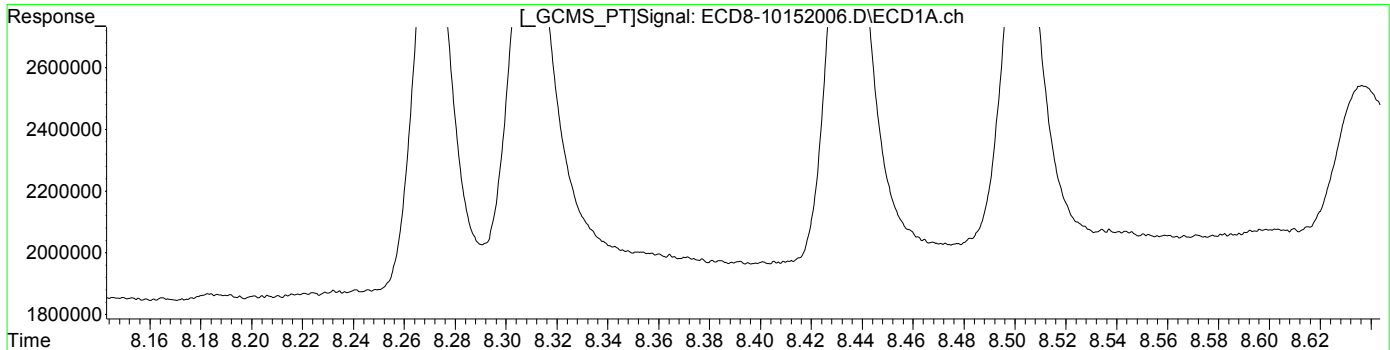


R = 7.35e+003 A*A + 3.38e+006 A - 1.61e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



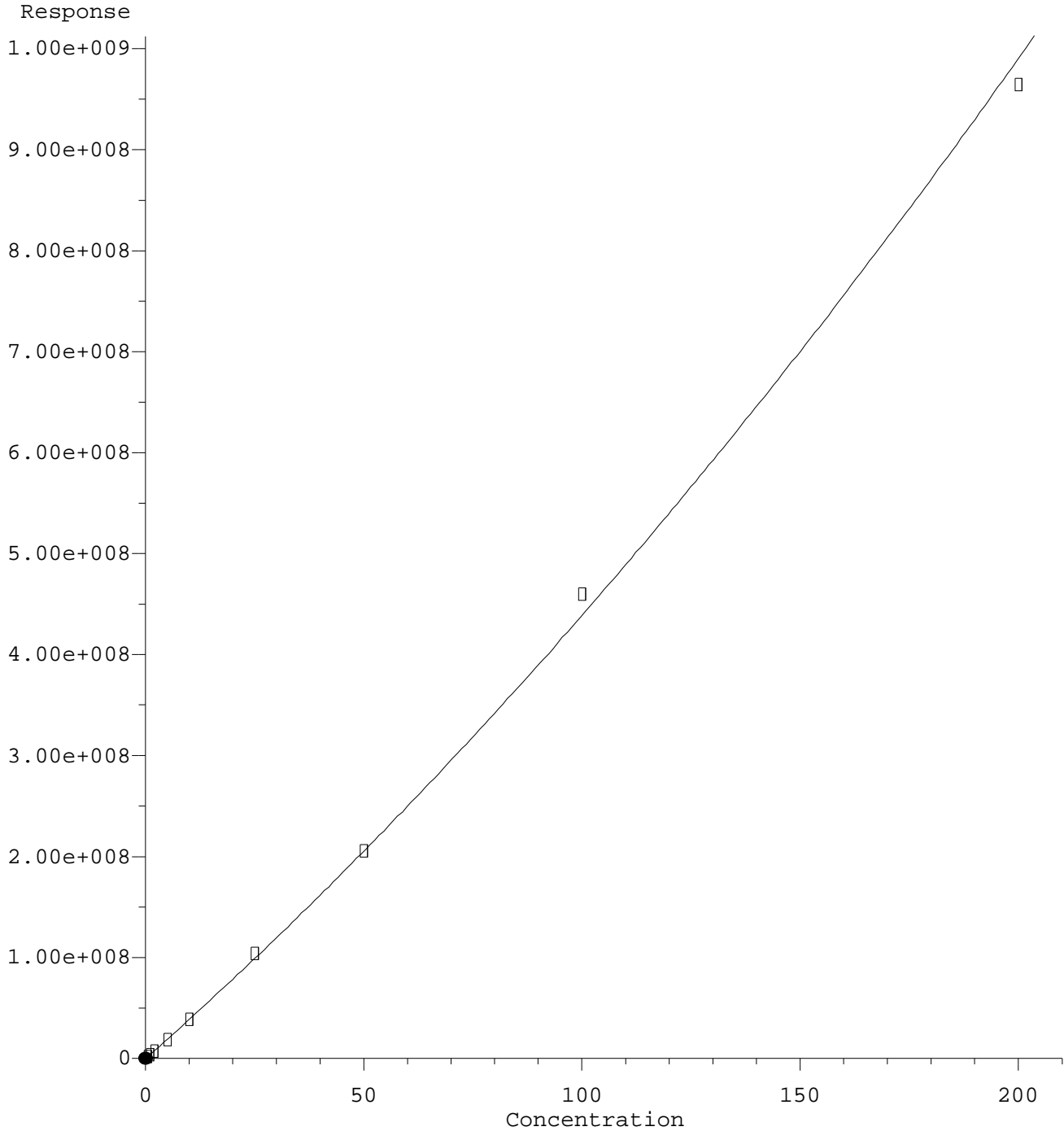
QEdit

(12) 4,4'-DDE
7.880min 0.472 ng/mL
response 1488674

MJB 10/21/20

(12) 4,4'-DDE #2
8.308min 0.073 ng/mL m
response 86901

Dieldrin #2

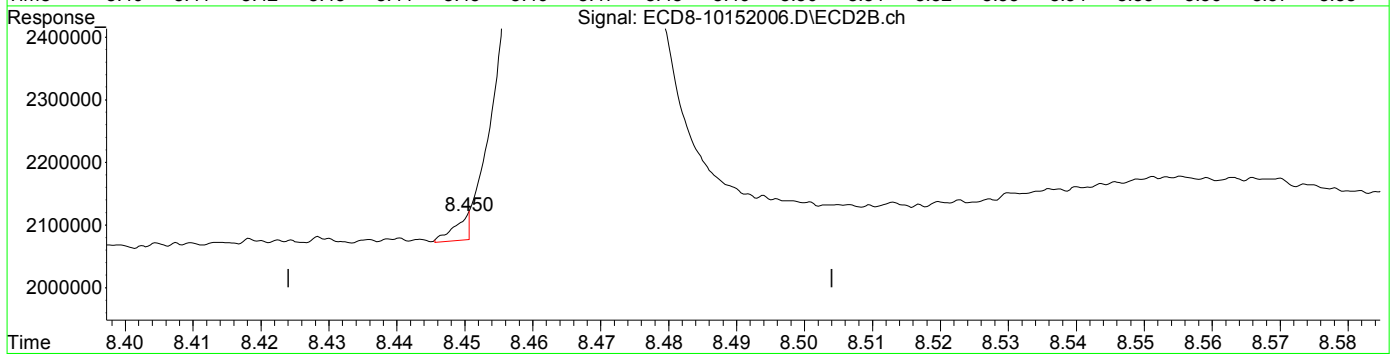
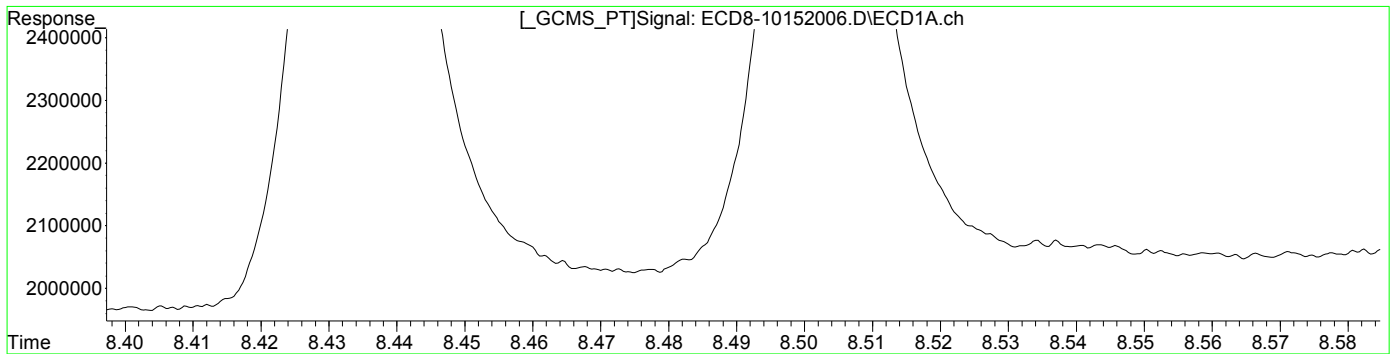


R = 5.65e+003 A*A + 3.82e+006 A - 6.30e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



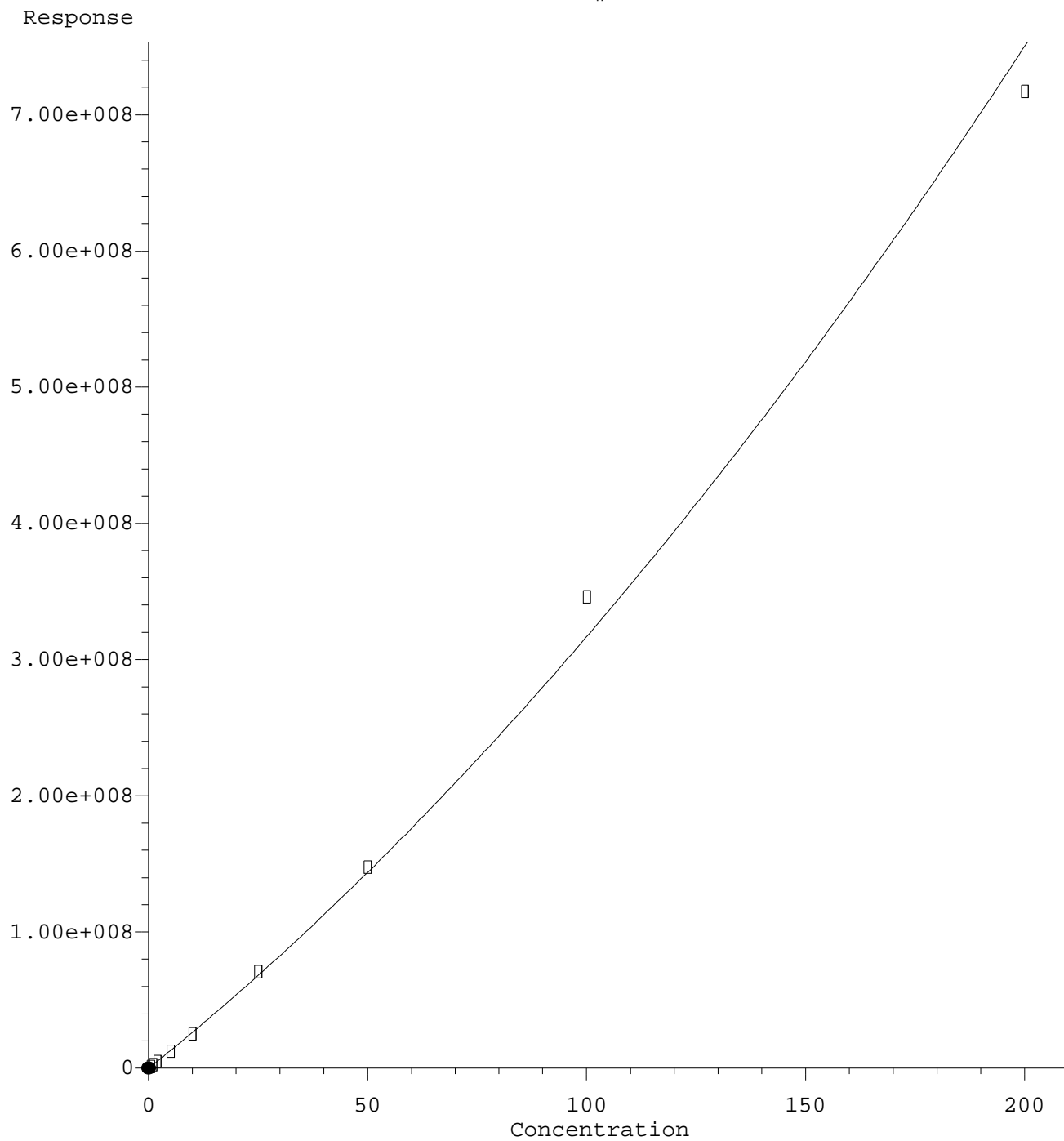
QEdit

(13) Dieldrin
8.101min 0.503 ng/mL
response 1890452

MJB 10/21/20

(13) Dieldrin #2
8.450min 0.027 ng/mL m
response 38767

Endrin #2

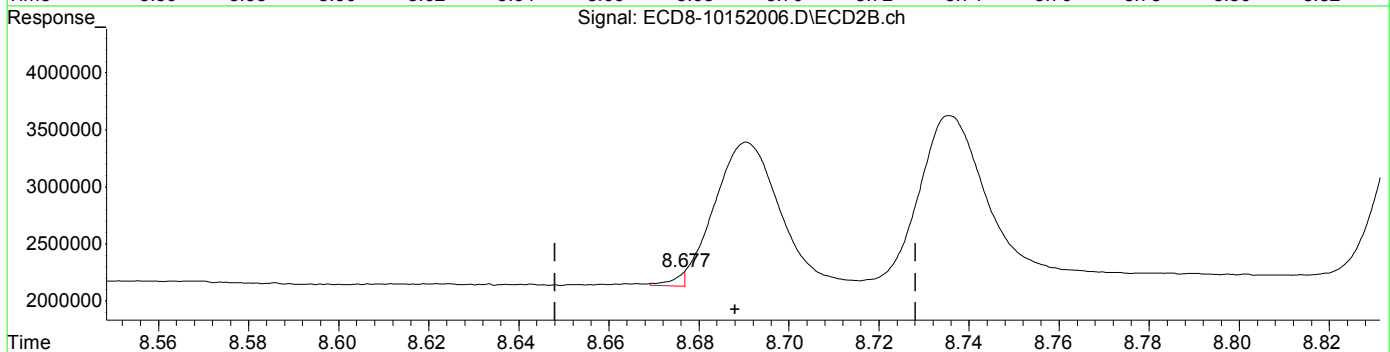
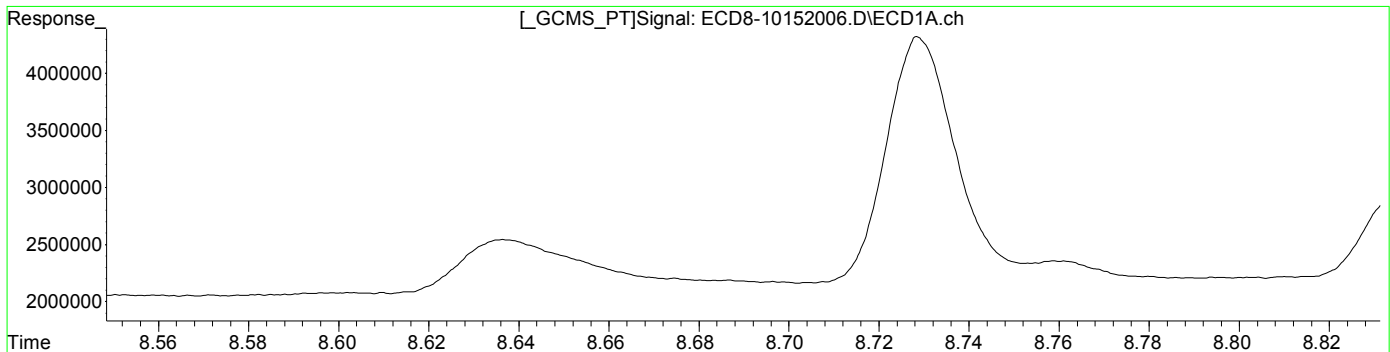


R = 5.85e+003 A*A + 2.58e+006 A - 6.81e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

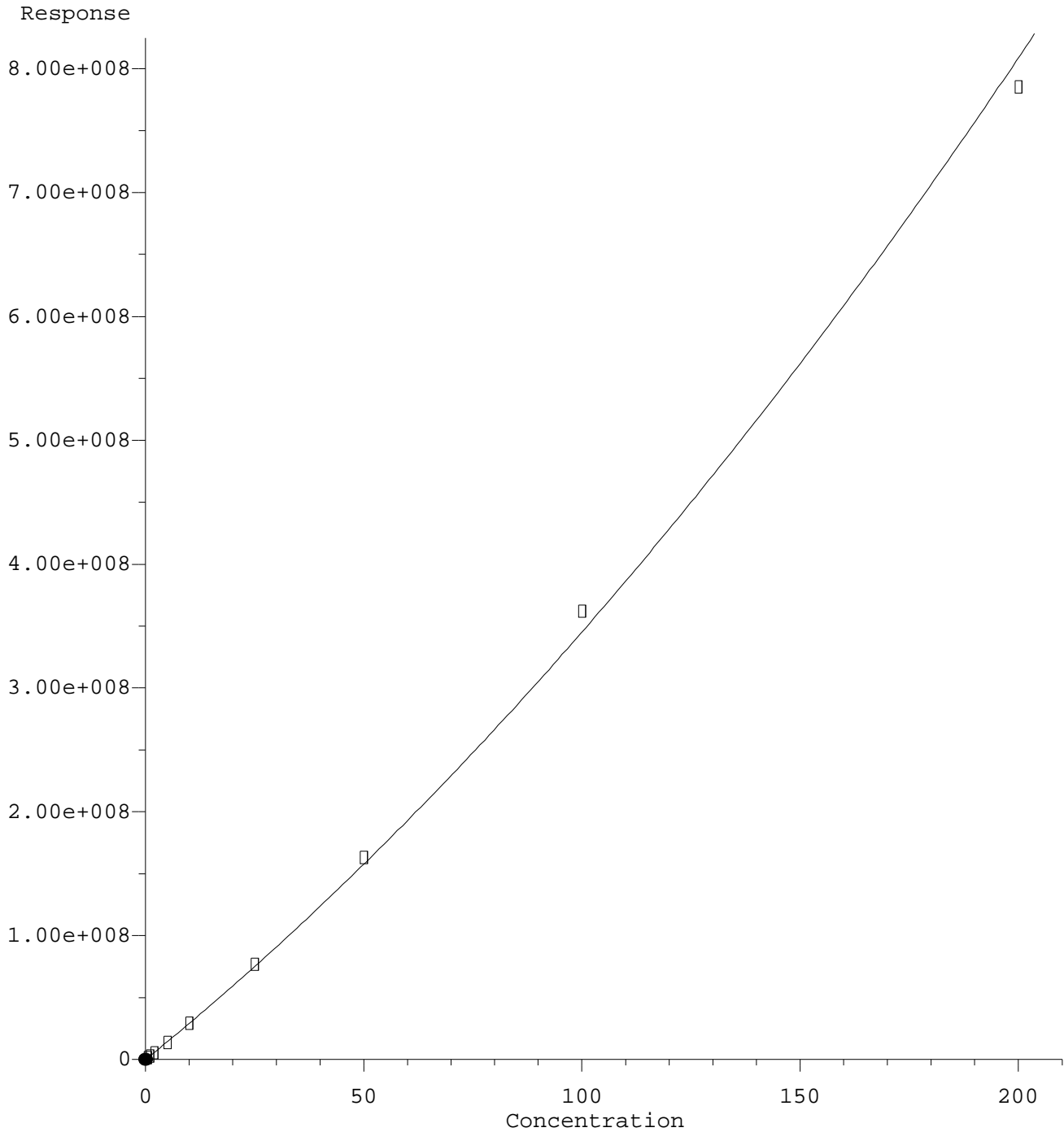


(14) Endrin
8.271min 0.490 ng/mL
response 1343181

MJB 10/21/20

(14) Endrin #2
8.677min 0.074 ng/mL m
response 123816

4,4'-DDD #2

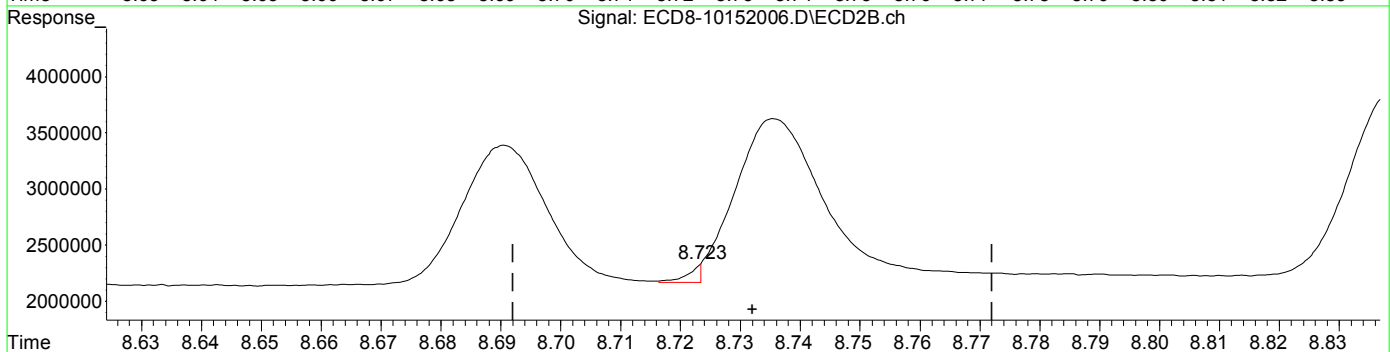
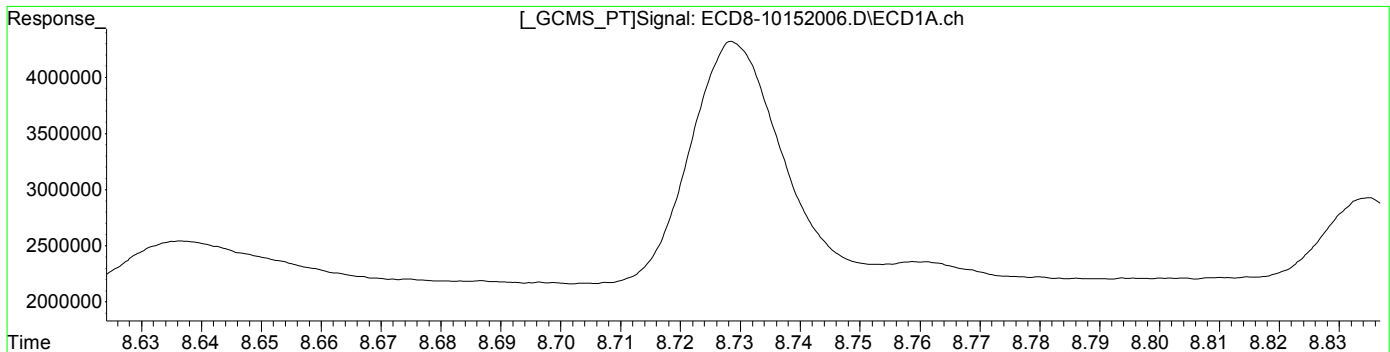


R = 5.94e+003 A*A + 2.86e+006 A - 4.68e+003
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



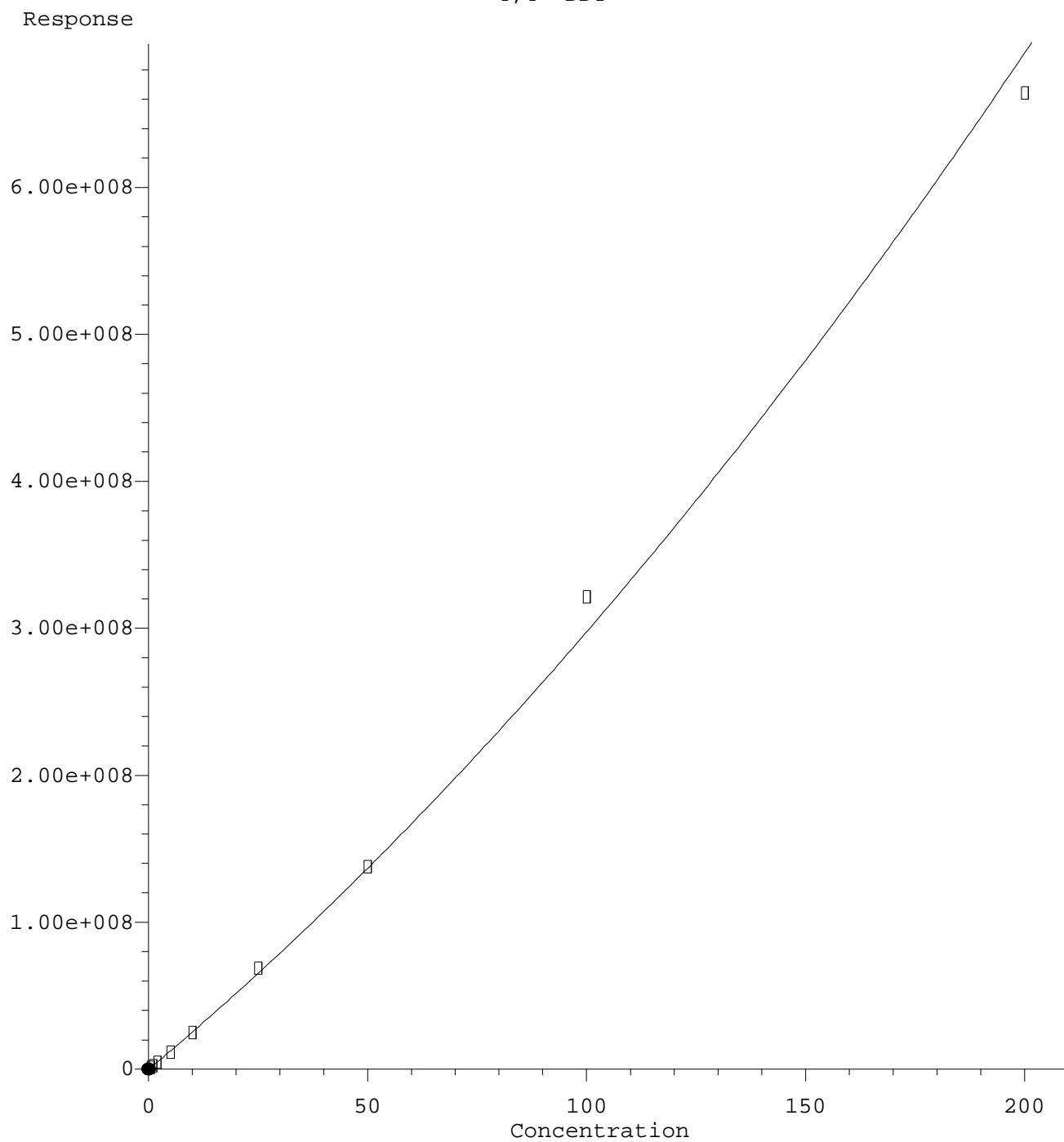
QEdit

(15) 4,4'-DDD	8.309min	0.492 ng/mL	response 1338233
(15) 4,4'-DDD #2	8.723min	0.060 ng/mL m	response 166696

MJB 10/21/20

(+) = Expected Retention Time
ECD8_QUANTPEST_201015.M Wed Oct 21 11:19:33 2020

4,4'-DDT

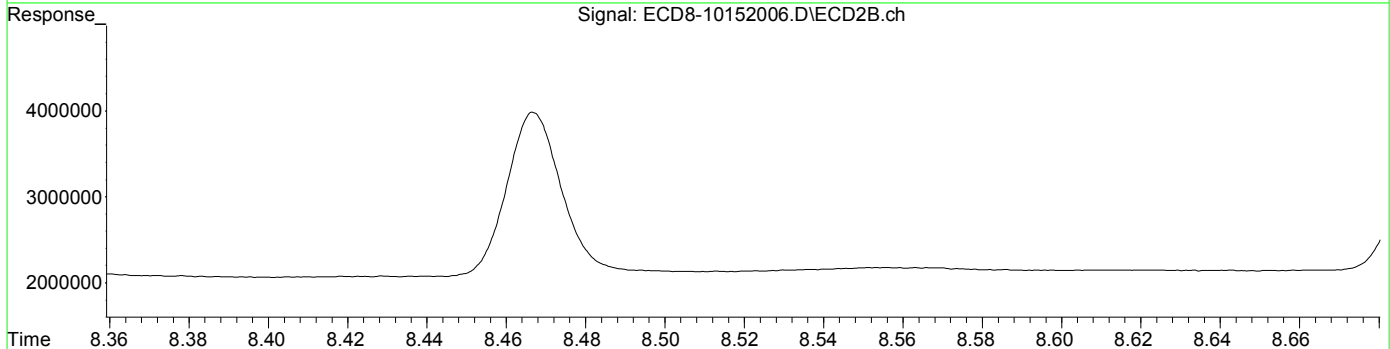
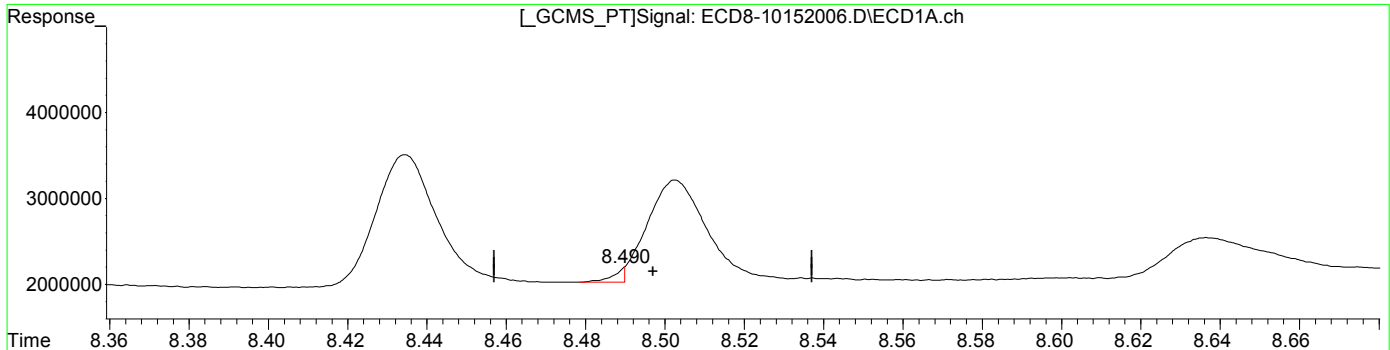


R = 4.83e+003 A*A + 2.49e+006 A - 8.00e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

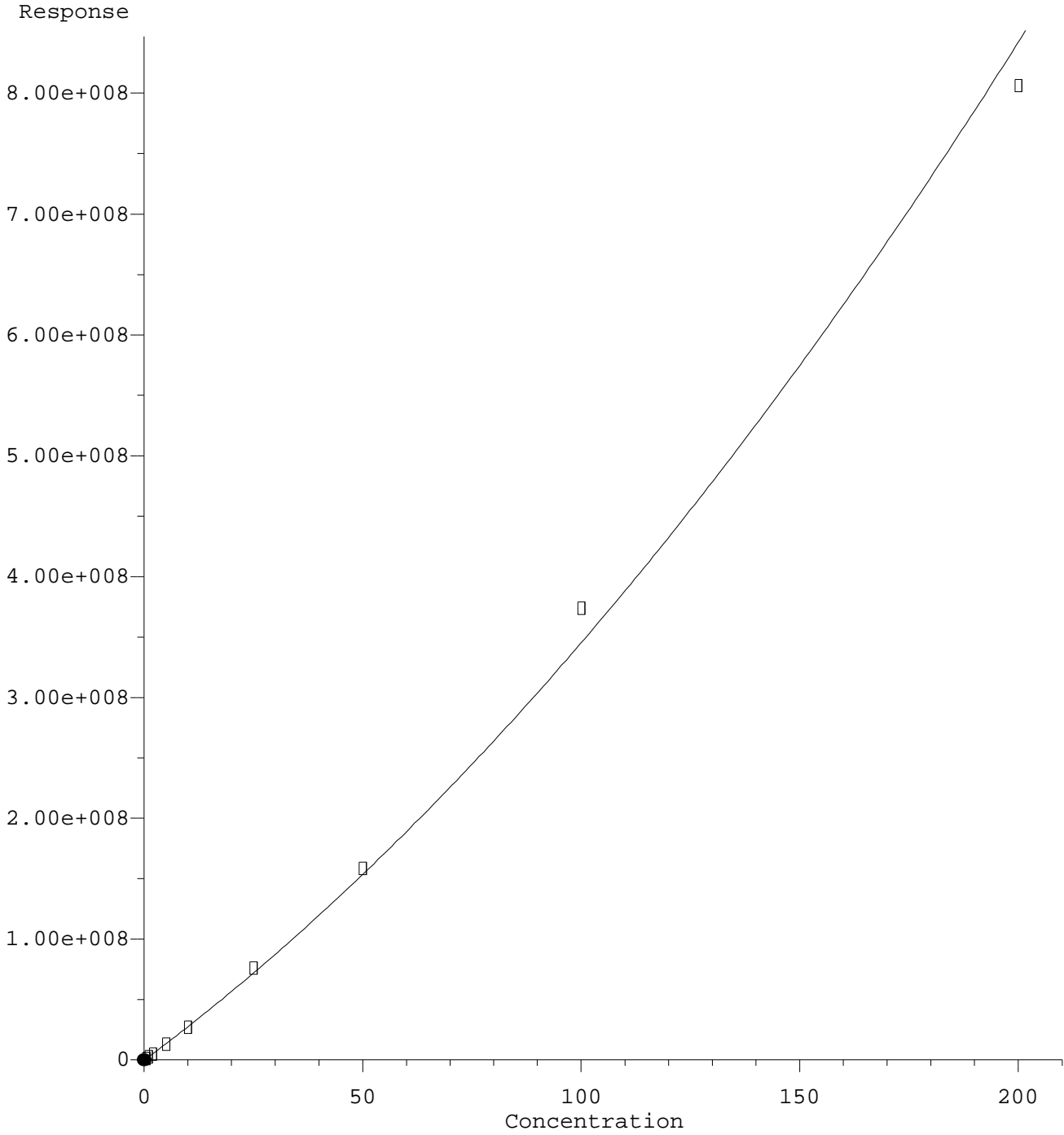


QEdit

(17) 4,4'-DDT	8.490min	0.100 ng/mL	m	response 168389
(17) 4,4'-DDT #2	8.959min	0.519 ng/mL		response 1227833

MJB 10/21/20

4,4'-DDT #2

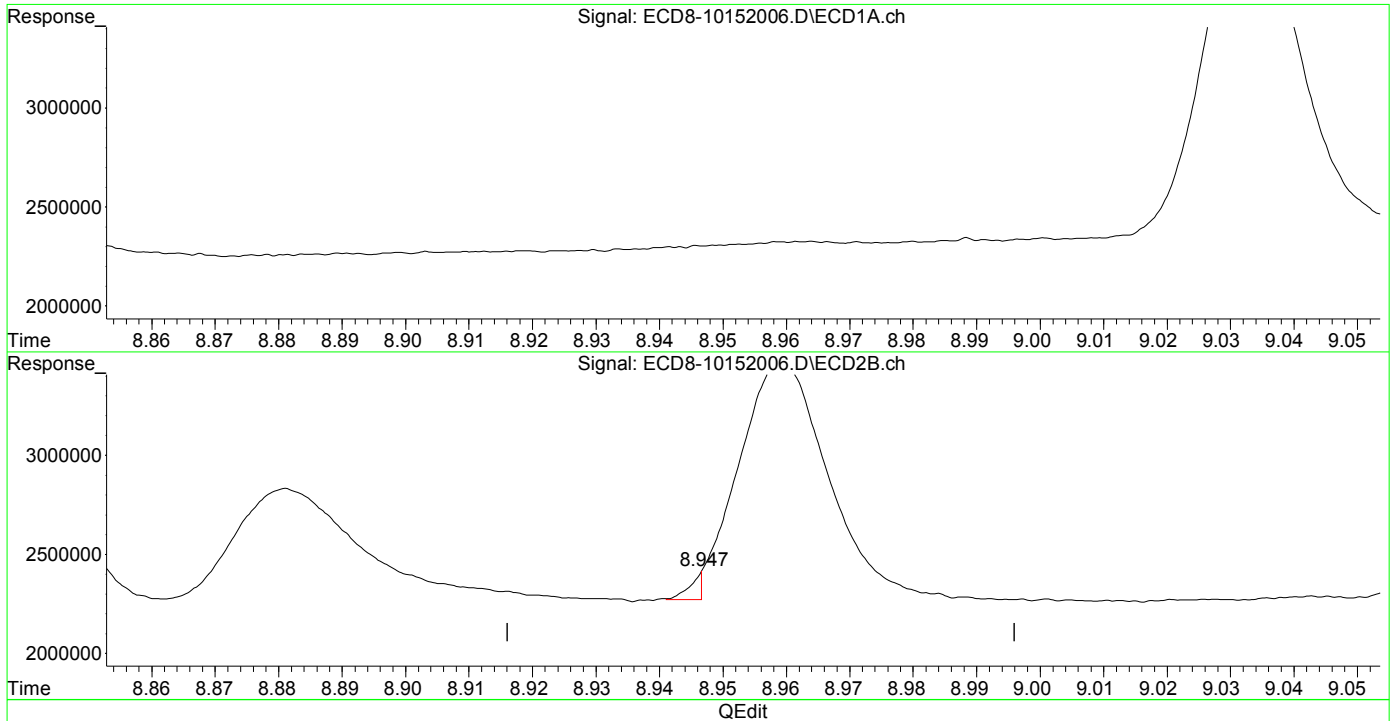


R = 7.61e+003 A*A + 2.69e+006 A - 1.70e+005
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

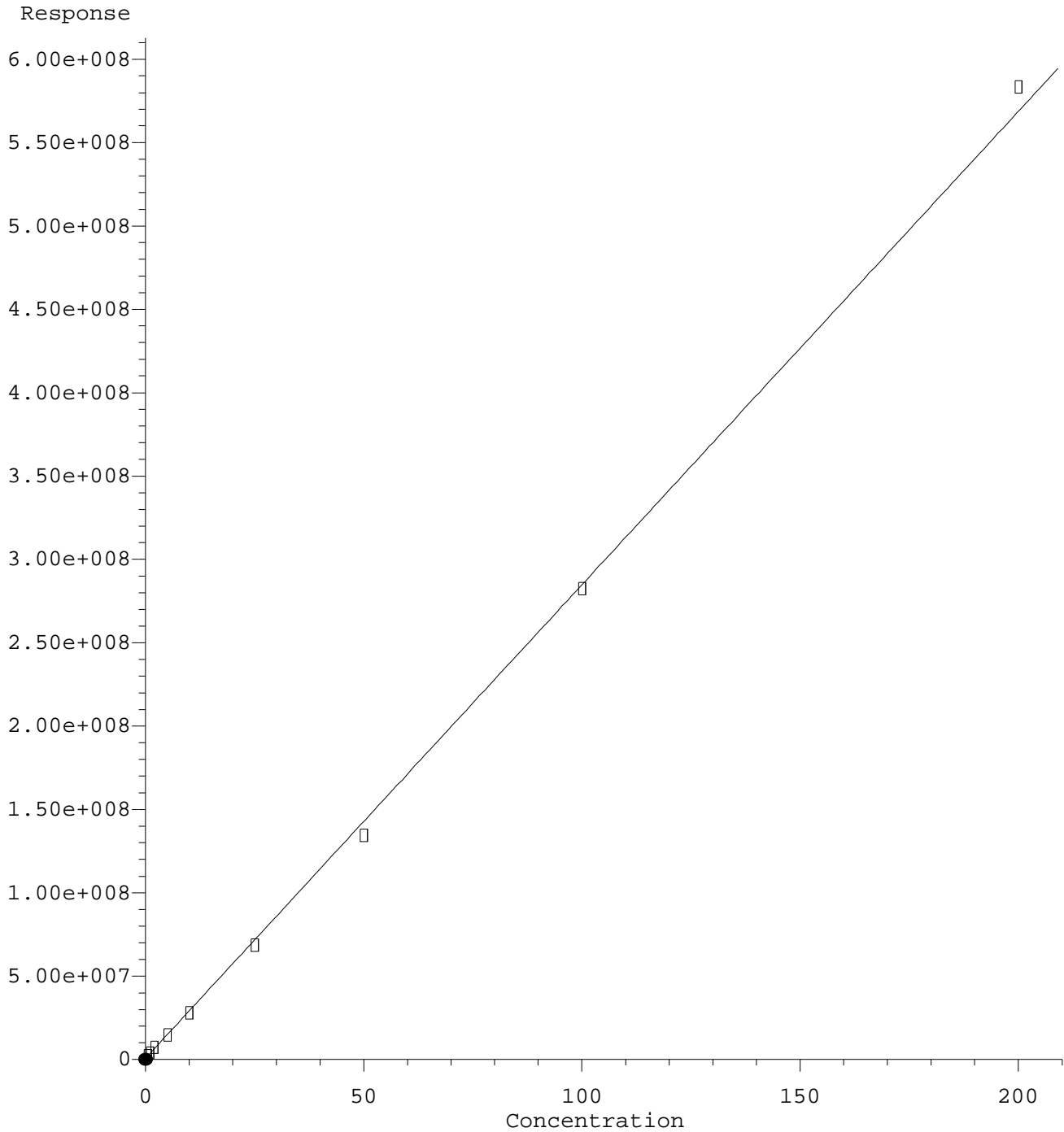


(17) 4,4'-DDT
8.490min 0.100 ng/mL m
response 168389

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(17) 4,4'-DDT #2
8.947min 0.117 ng/mL m
response 144813

Endrin Aldehyde

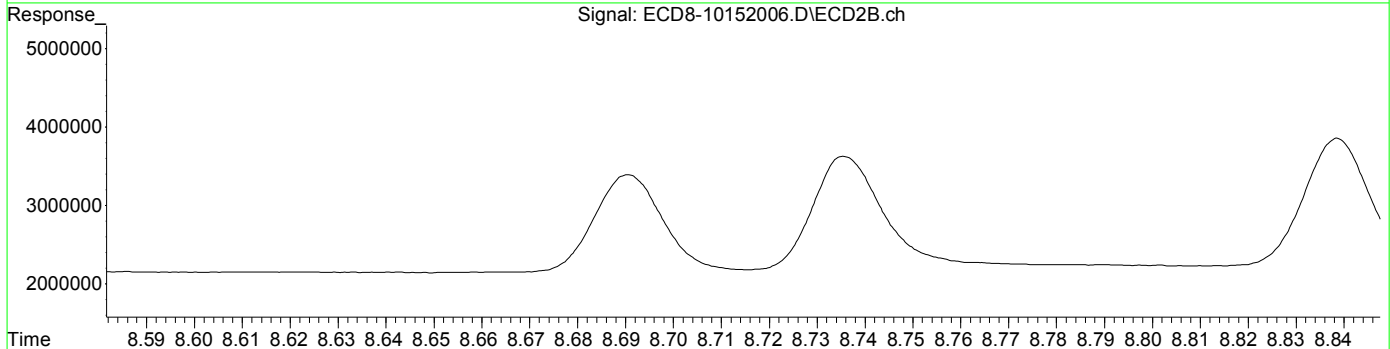
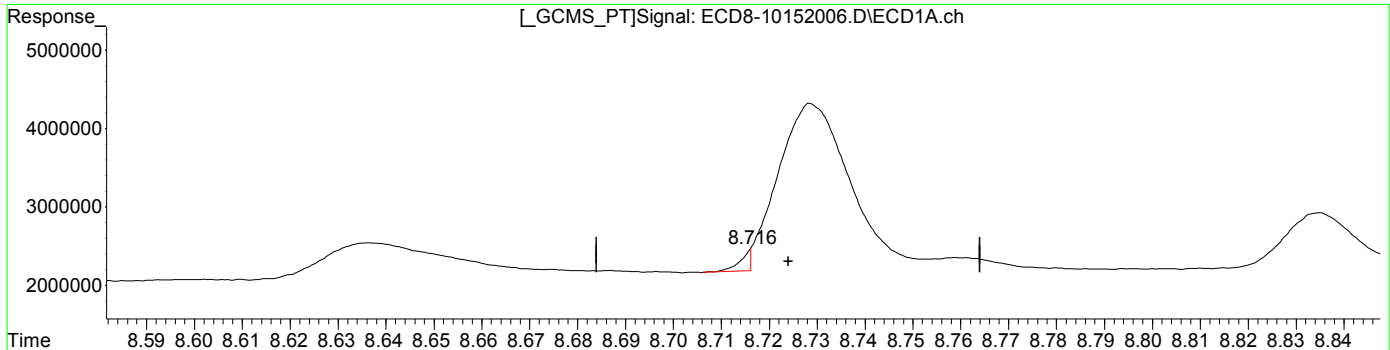


R = 1.05e+001 A*A + 2.84e+006 A + 8.53e+005
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

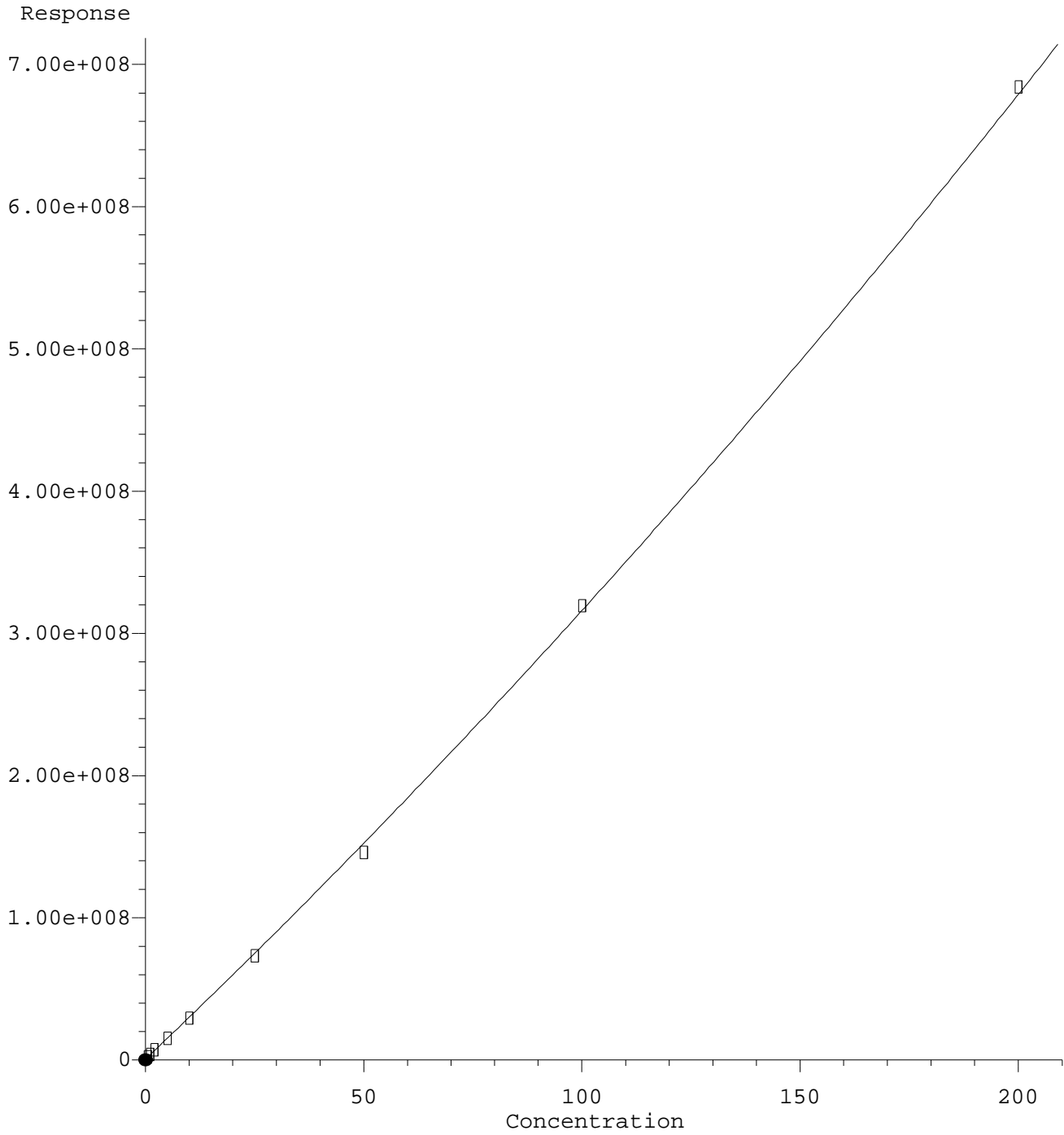


QEdit

(18) Endrin Aldehyde	8.716min	-0.203 ng/mL m
response	277846	
(18) Endrin Aldehyde #2	9.073min	0.481 ng/mL
response	2196243	

MJB 10/21/20

Endrin Aldehyde #2

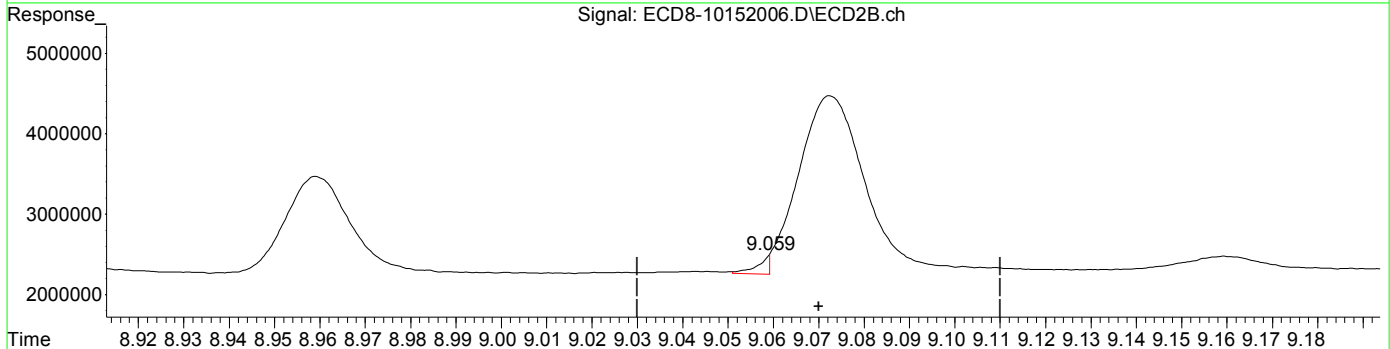
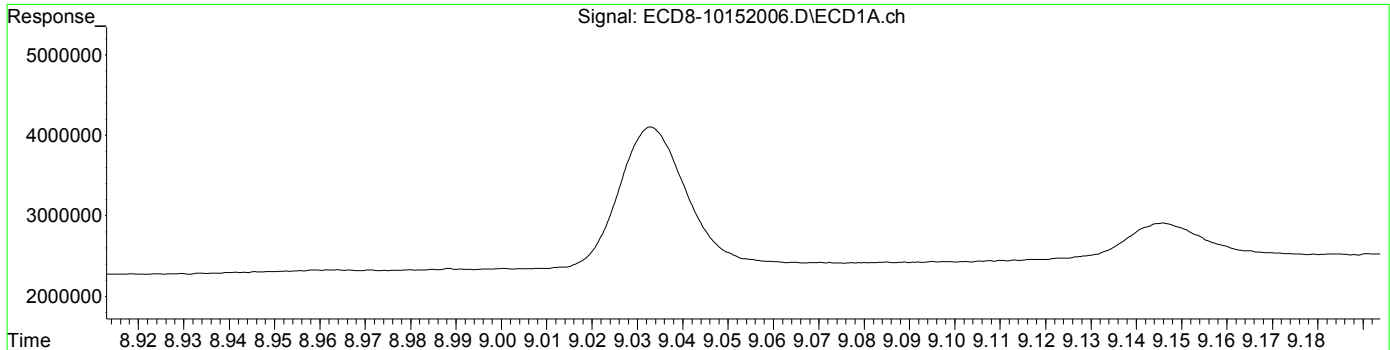


R = 2.40e+003 A*A + 2.91e+006 A + 7.95e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

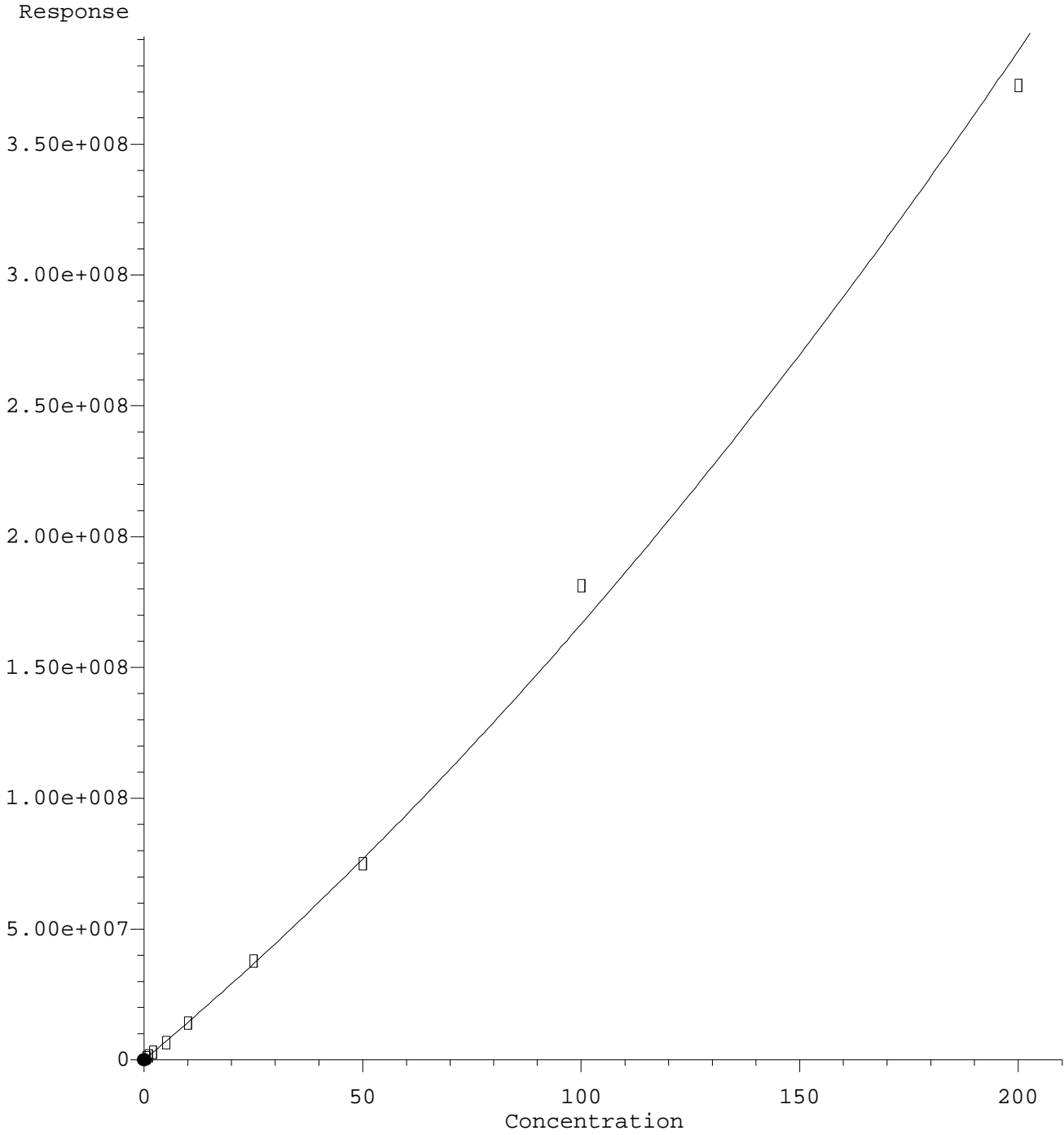
(18) Endrin Aldehyde
8.716min -0.203 ng/mL m
response 277846

MJB 10/21/20

(18) Endrin Aldehyde #2
9.059min -0.190 ng/mL m
response 241125

(+) = Expected Retention Time
ECD8_QUANTPEST_201015.M Wed Oct 21 11:20:22 2020

Methoxychlor #2

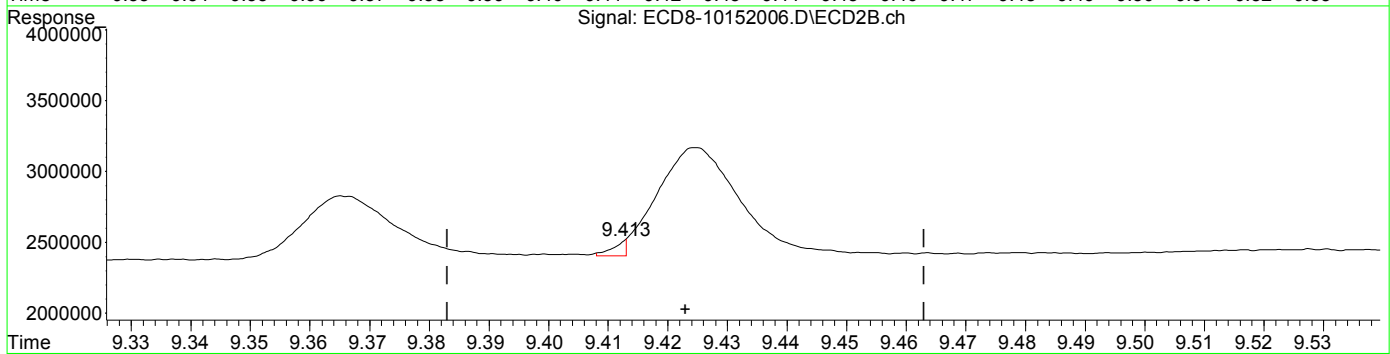
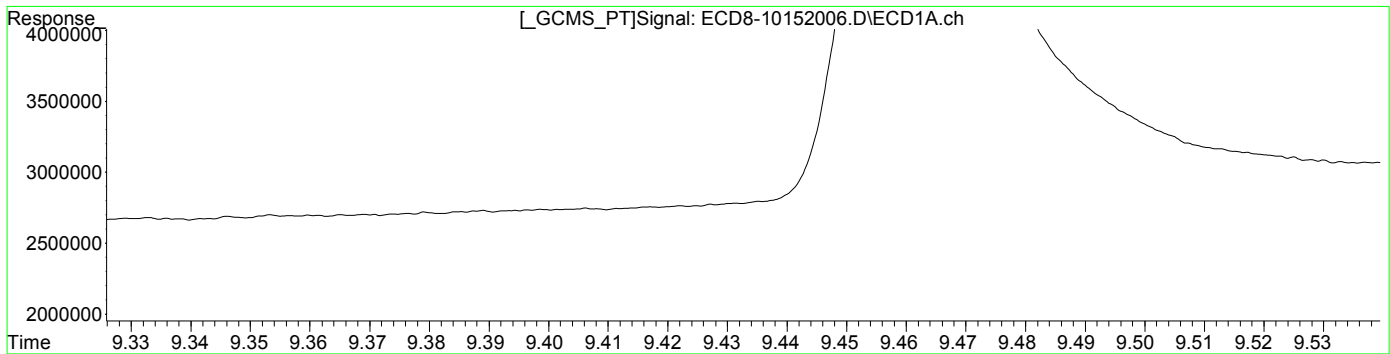


R = 2.64e+003 A*A + 1.40e+006 A + 7.17e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



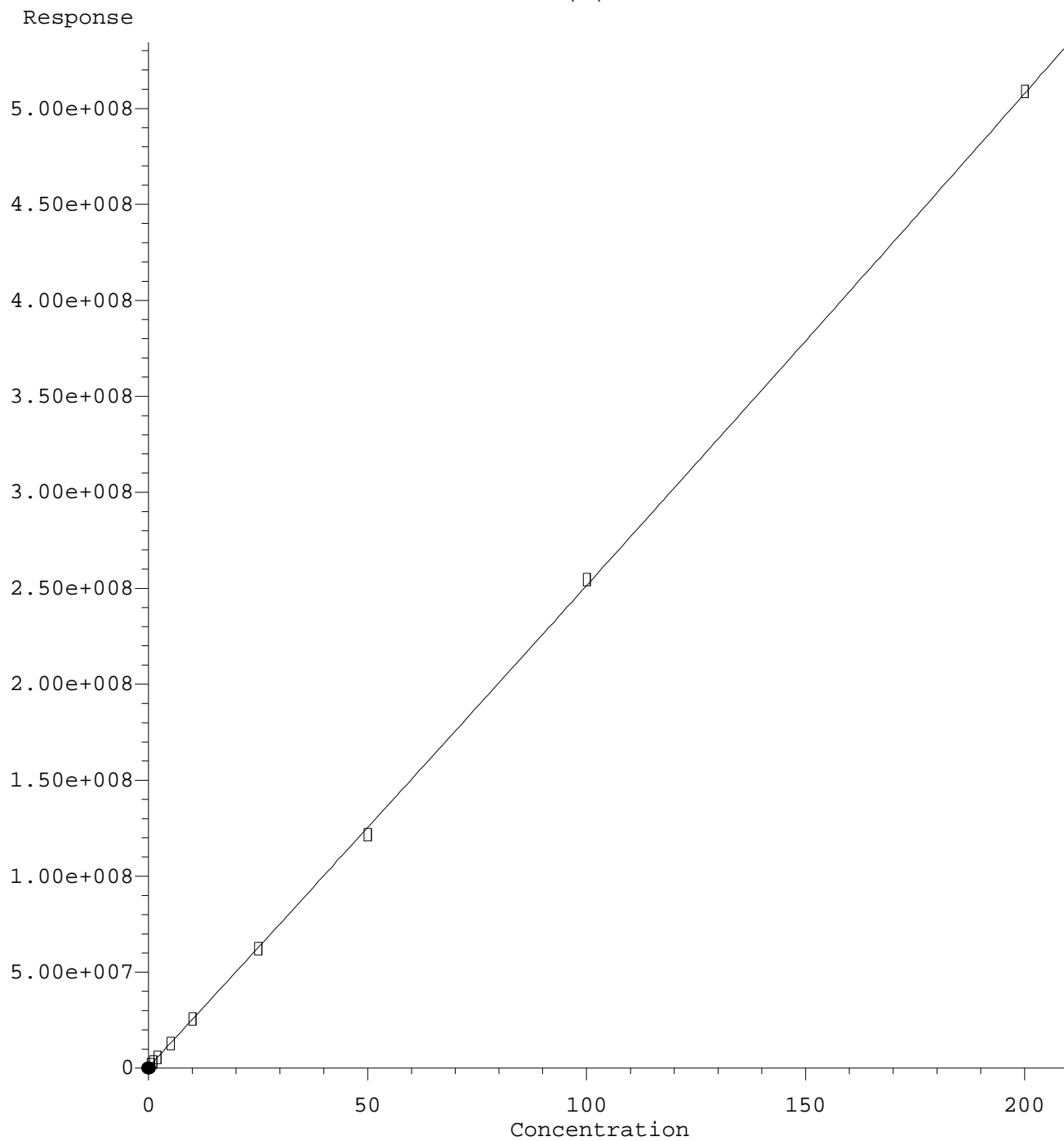
QEdit

(20) Methoxychlor
8.835min 0.518 ng/mL
response 712510

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(20) Methoxychlor #2
9.413min 0.025 ng/mL m
response 107142

DCBP (S)

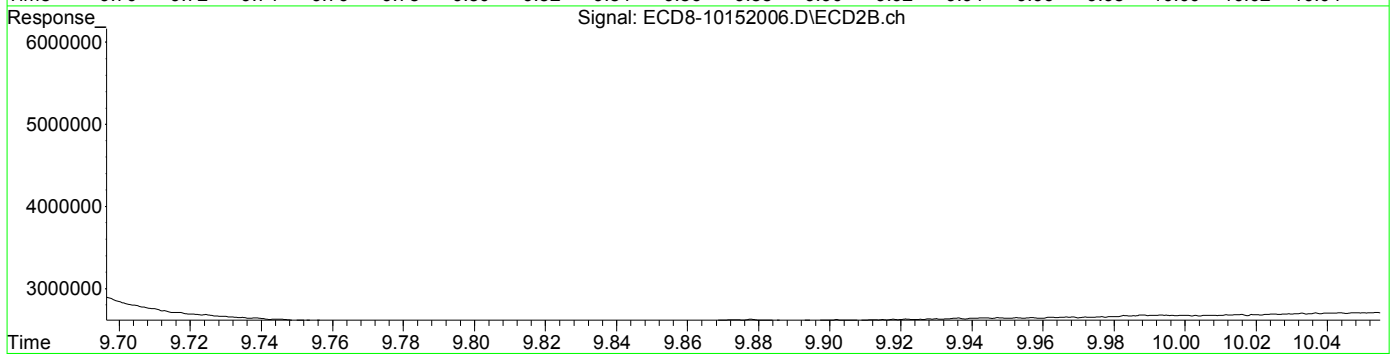
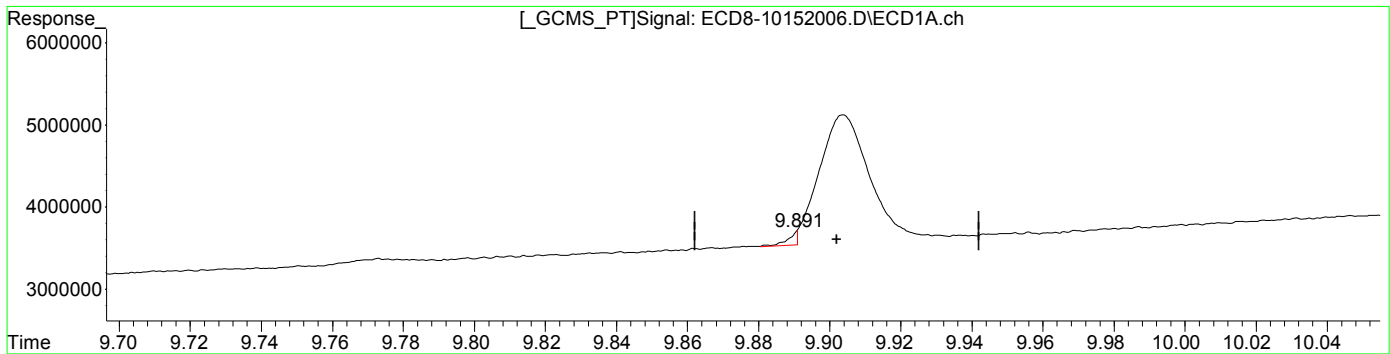


$R = 2.90e+002 A^2 + 2.48e+006 A + 6.49e+005$
 Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a²)
 Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



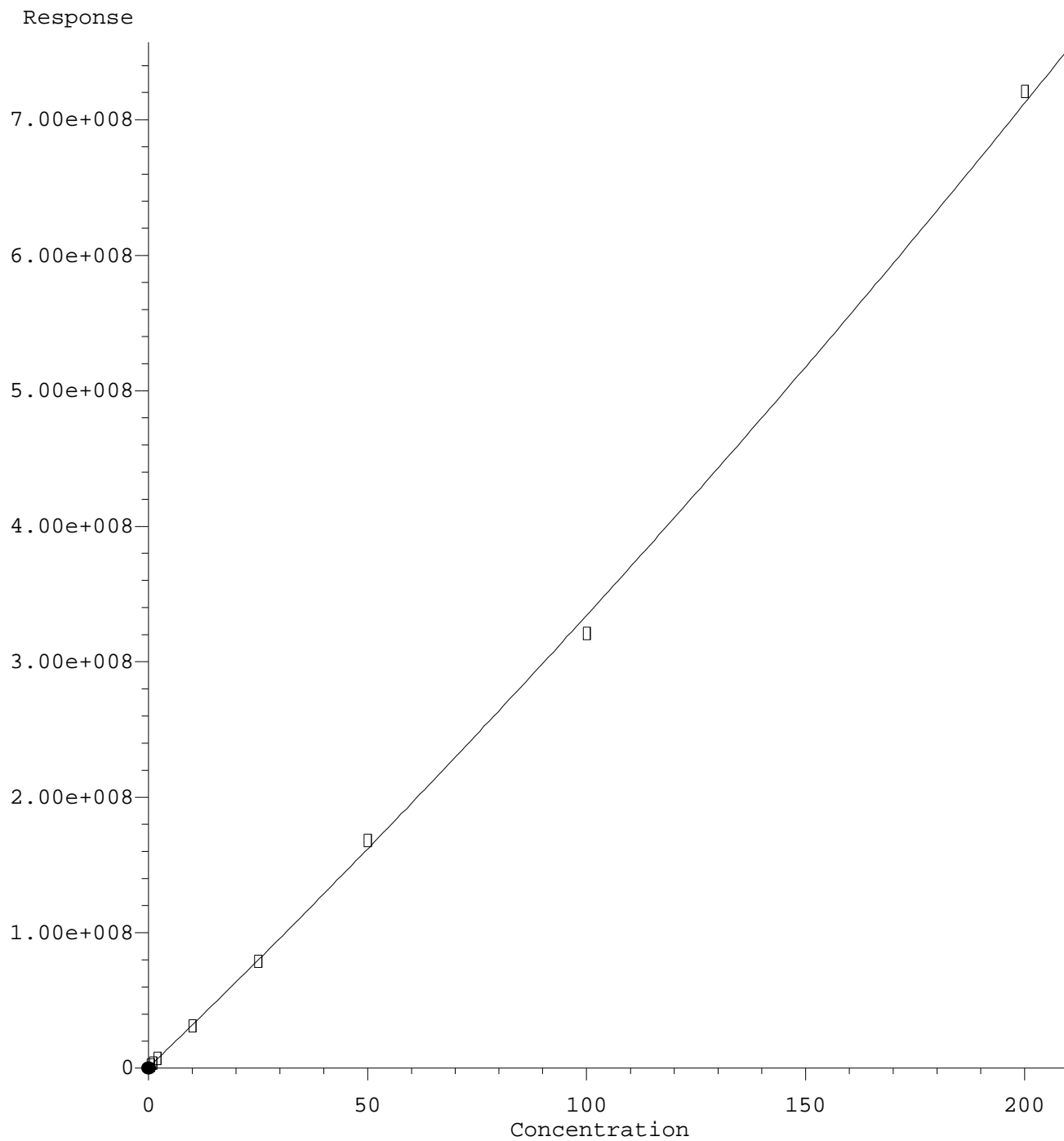
QEdit

(22) DCBP (S) (S)
9.891min -0.195 ng/mL m
response 165253

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(22) DCBP (S) #2 (S)
10.506min 0.583 ng/mL
response 1410803

Hexachlorobutadiene

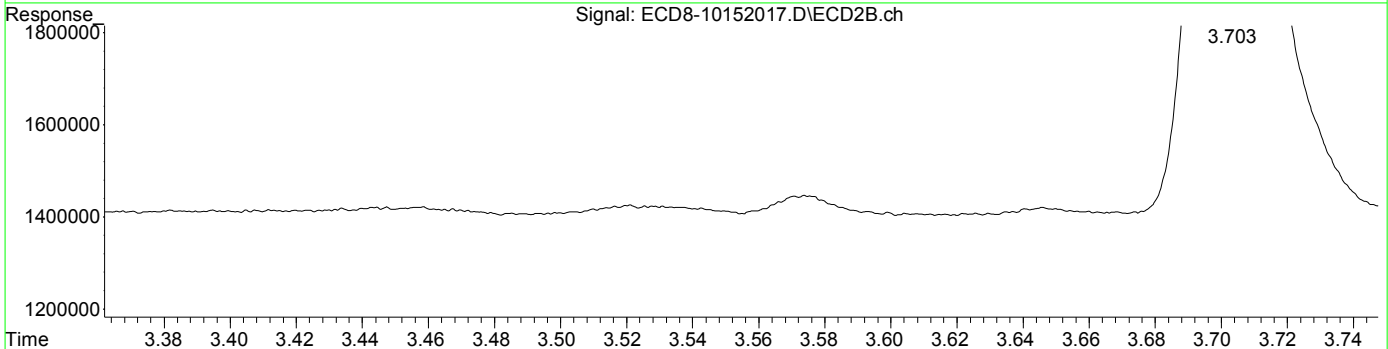
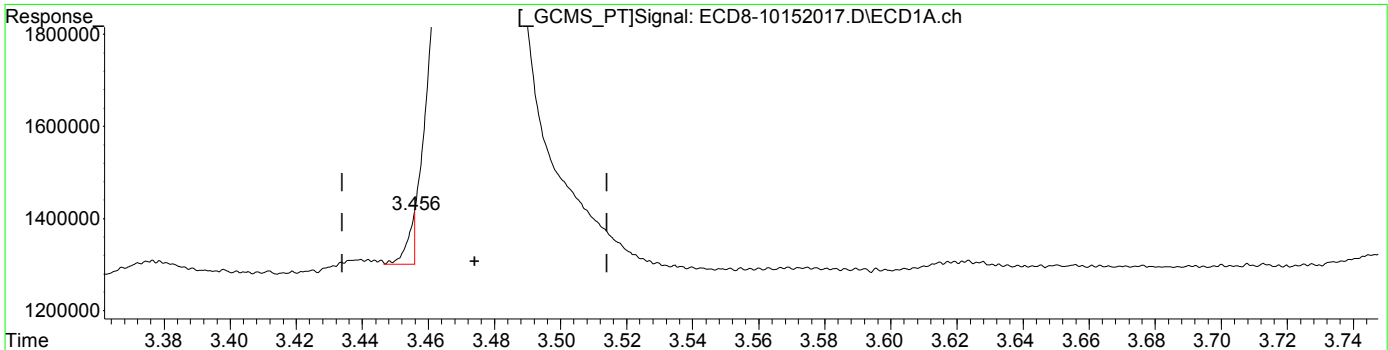


R = 2.25e+003 A*A + 3.11e+006 A + 6.88e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:33
Operator : MJB
Sample : 0J15061-CALA
Misc : A20J276, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

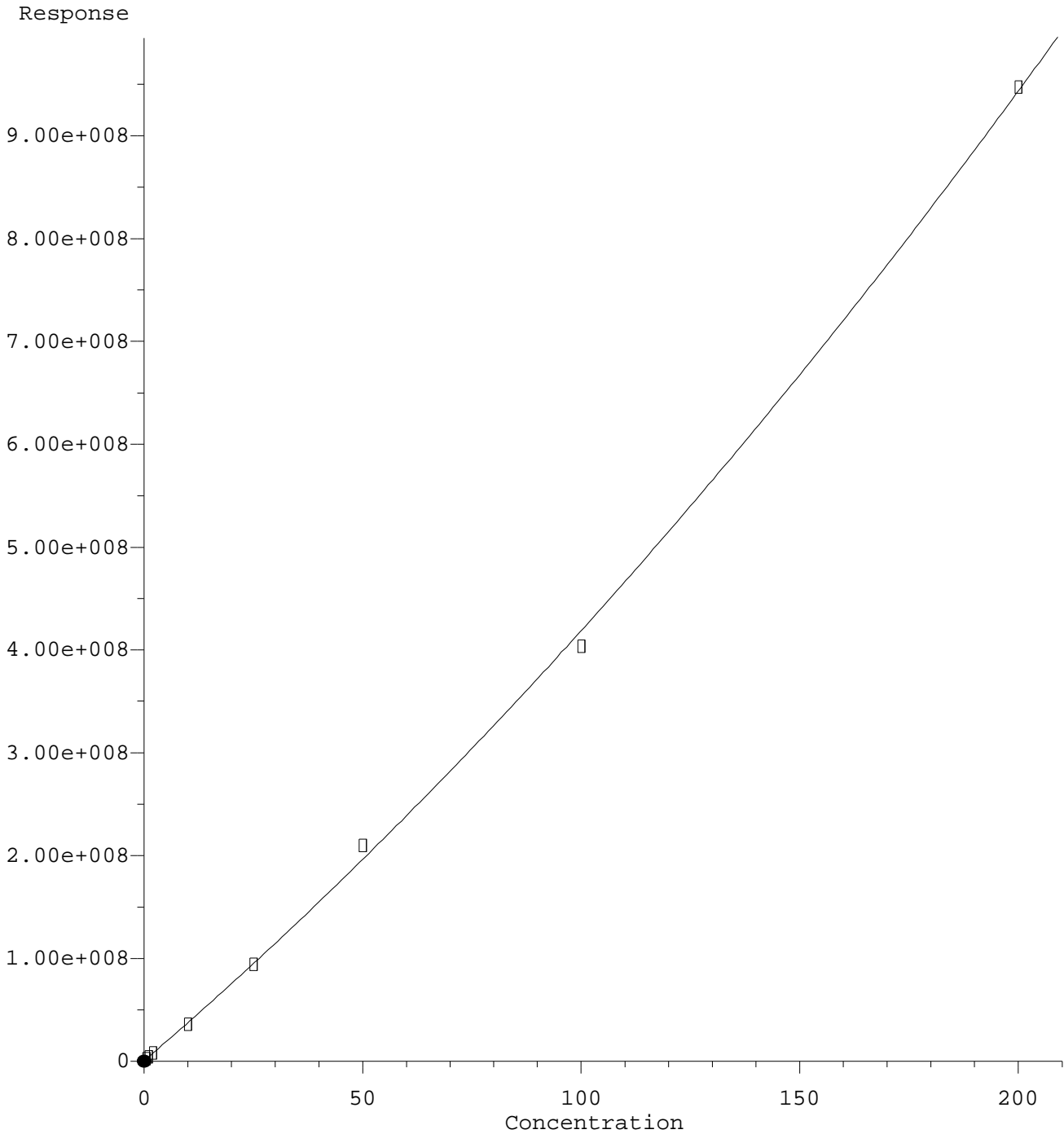
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:32:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(23) Hexachlorobutadiene 3.456min -0.187 ng/mL m response 108144	MJB 10/21/20
(23) Hexachlorobutadiene #2 3.703min 0.500 ng/mL response 2507236	

Hexachlorobutadiene #2

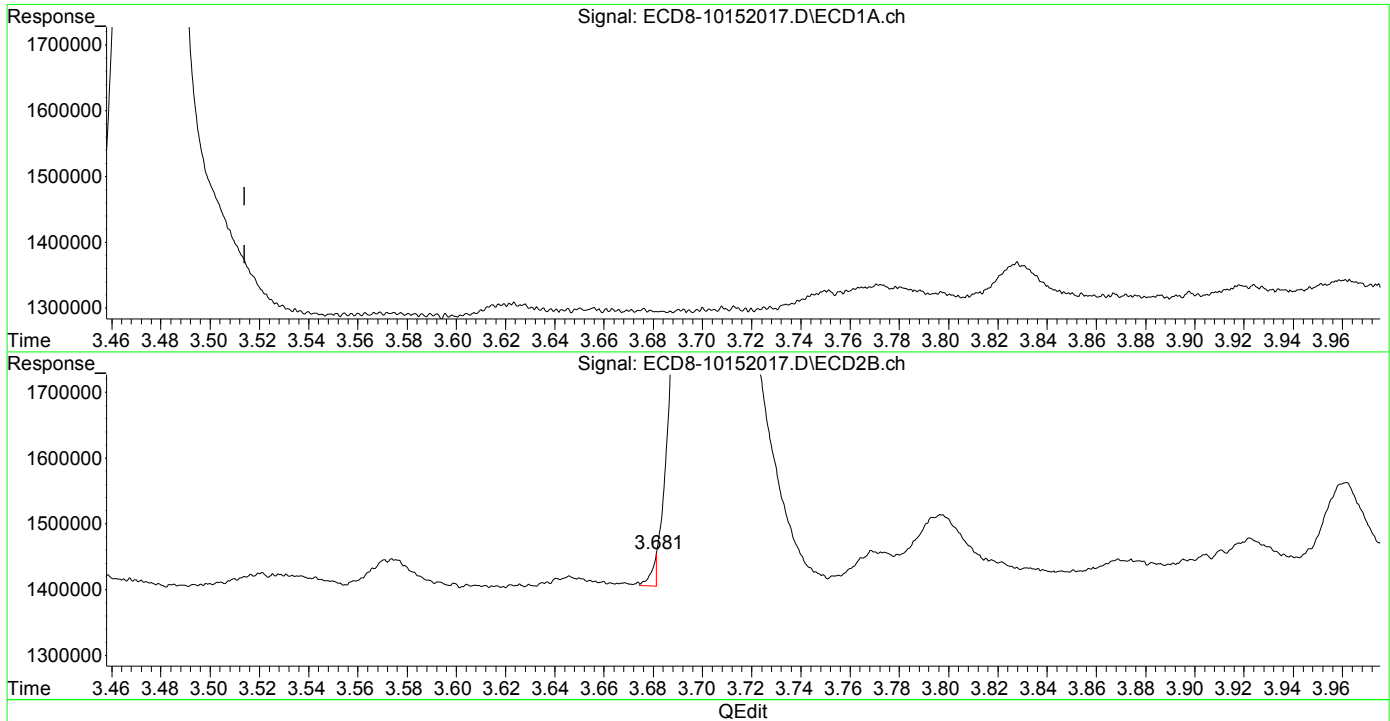


R = 5.35e+003 A*A + 3.64e+006 A + 6.85e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:33
Operator : MJB
Sample : 0J15061-CALA
Misc : A20J276, 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: Oct 20 17:32:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

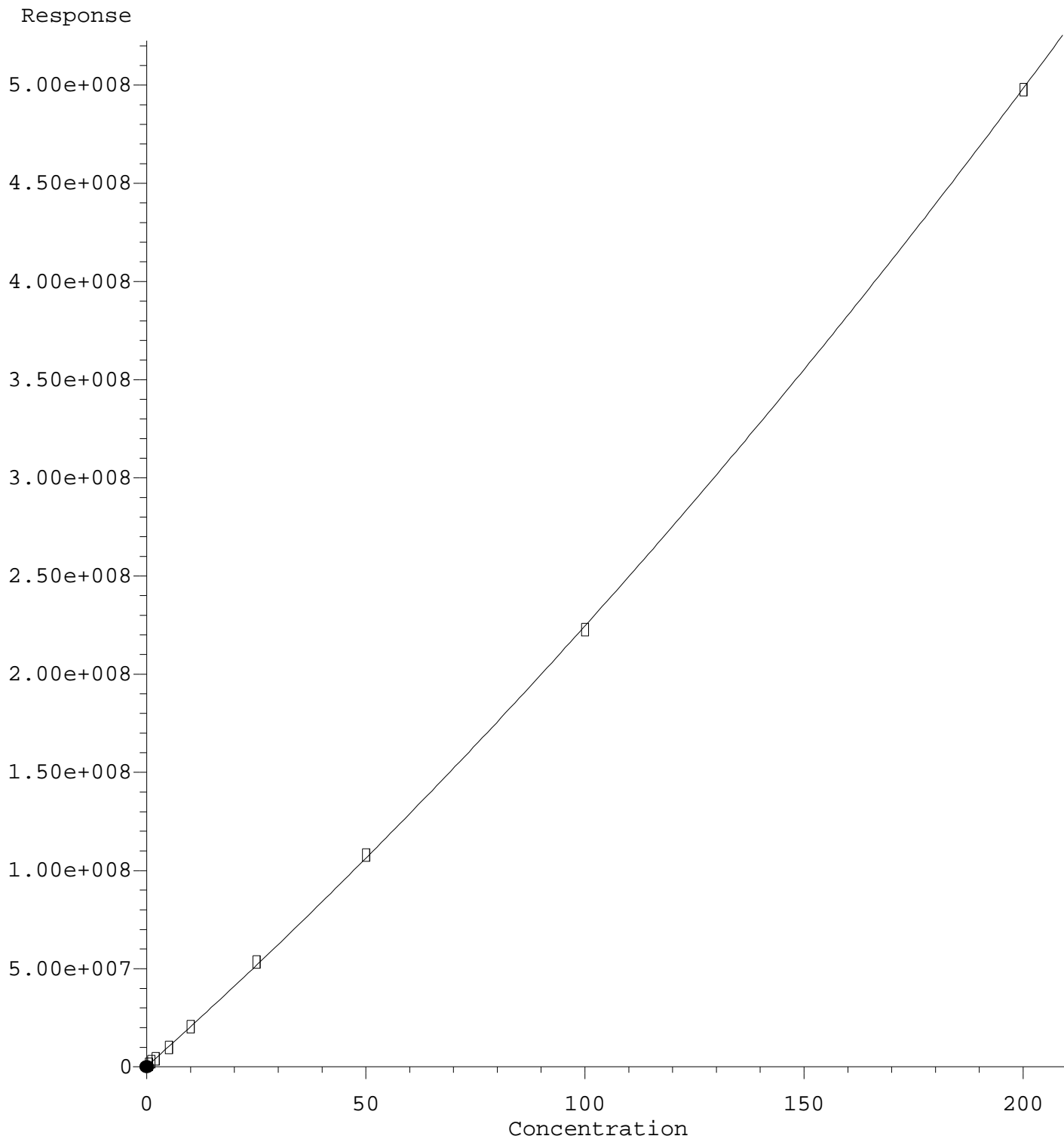


(23) Hexachlorobutadiene
3.456min -0.187 ng/mL m
response 108144

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(23) Hexachlorobutadiene #2
3.681min -0.174 ng/mL m
response 49437

2,4'-DDD #2



$R = 2.49e+003 A^2 + 1.99e+006 A + 3.53e+005$

Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w($1/a^2$)

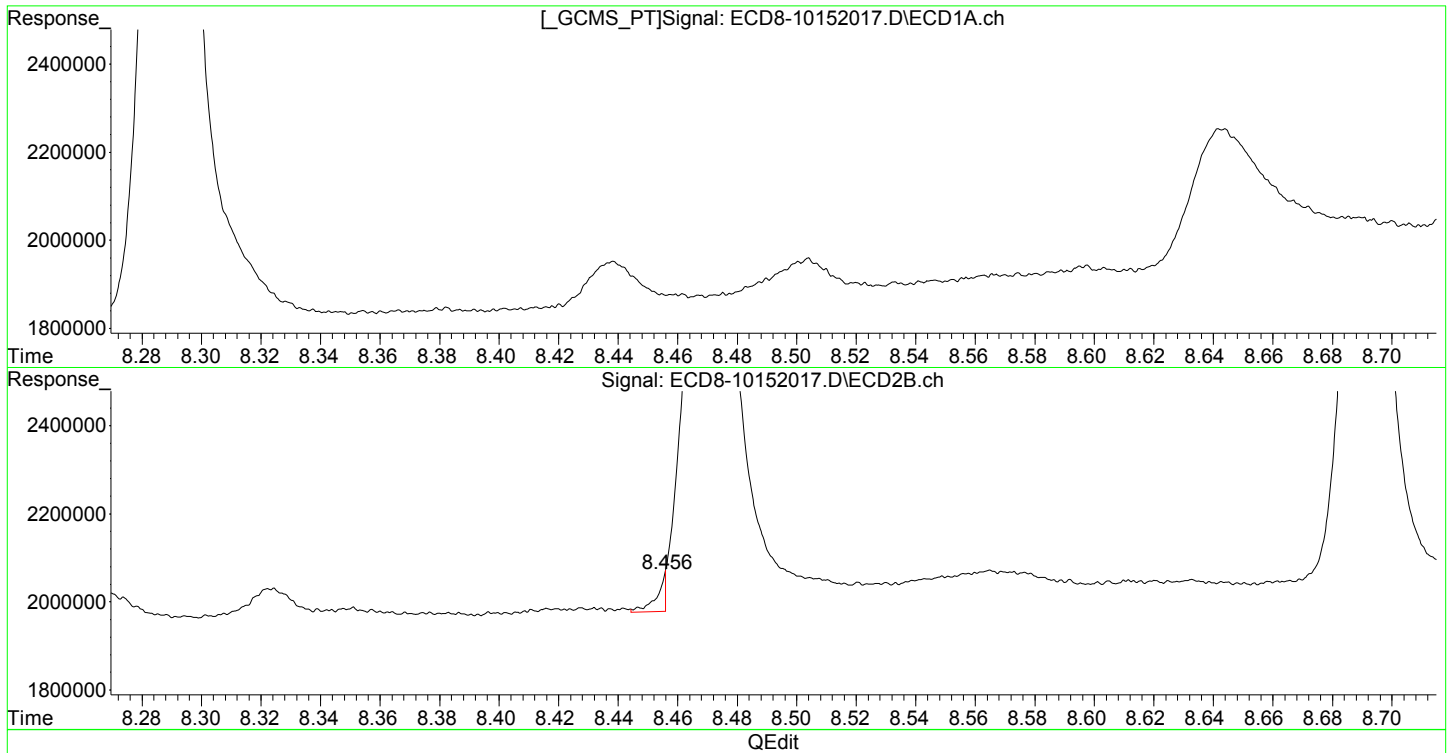
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M

Calibration Table Last Updated: Wed Oct 21 13:18:48 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:33
Operator : MJB
Sample : 0J15061-CALA
Misc : A20J276, 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: Oct 21 14:40:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

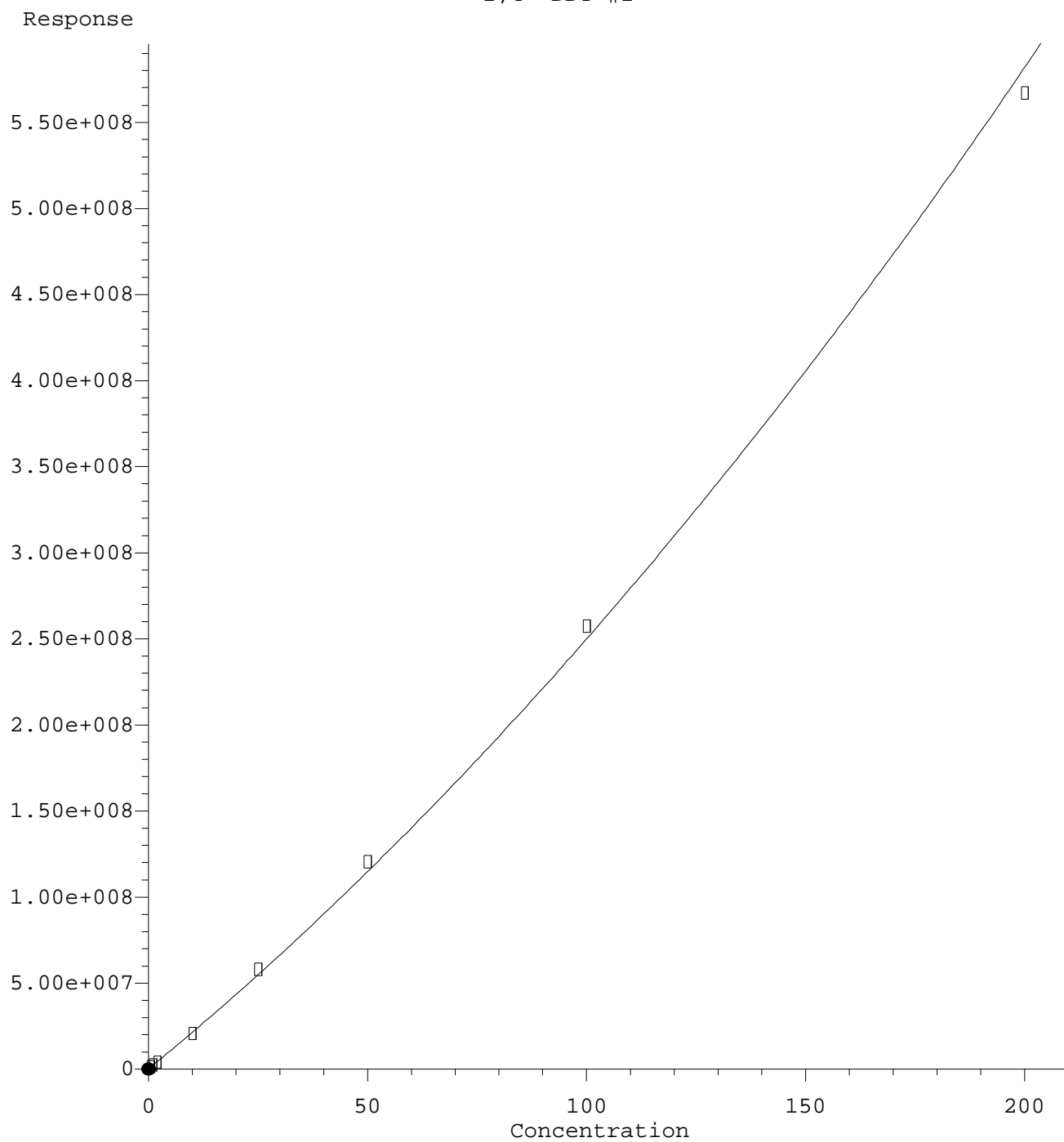


(28) 2,4'-DDD
8.006min 0.586 ng/mL
response 1125210

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(28) 2,4'-DDD #2
8.456min -0.134 ng/mL m
response 86901

2,4'-DDT #2

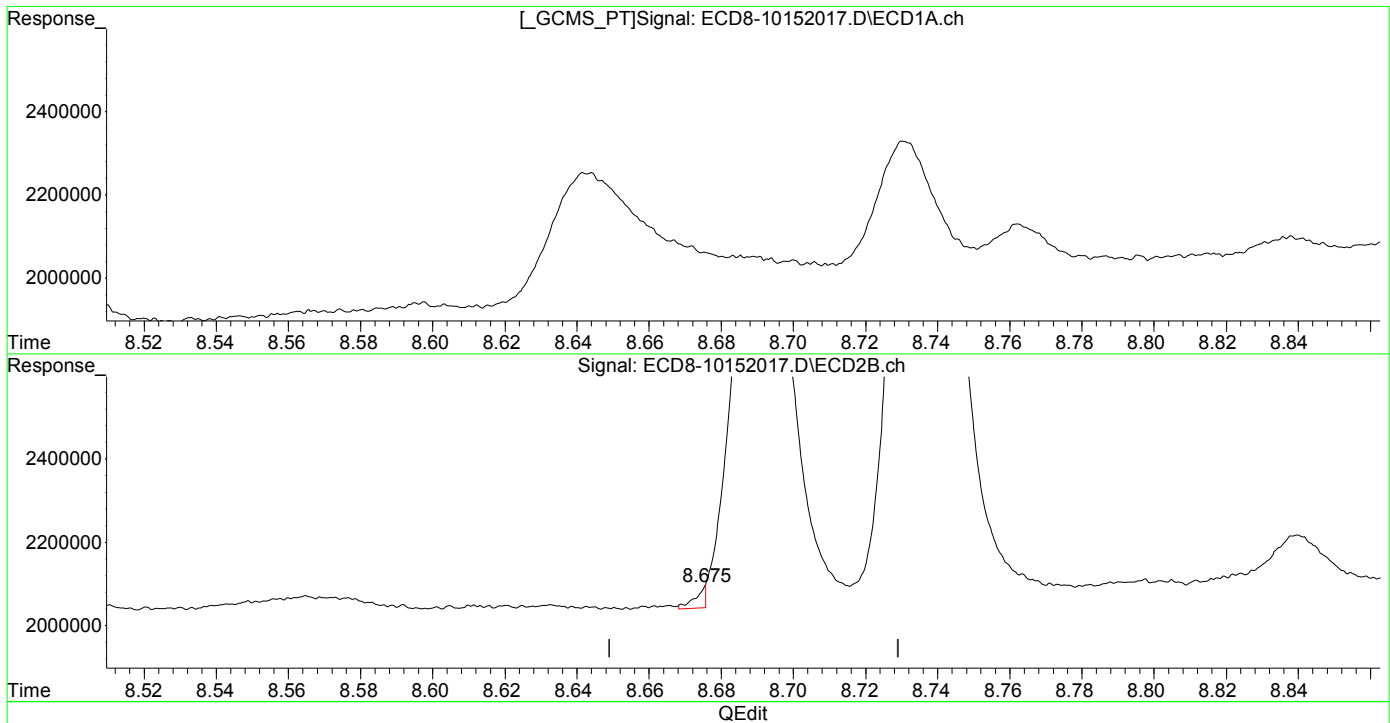


R = 4.13e+003 A*A + 2.08e+006 A + 2.88e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:33
Operator : MJB
Sample : 0J15061-CALA
Misc : A20J276, 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: Oct 20 17:32:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

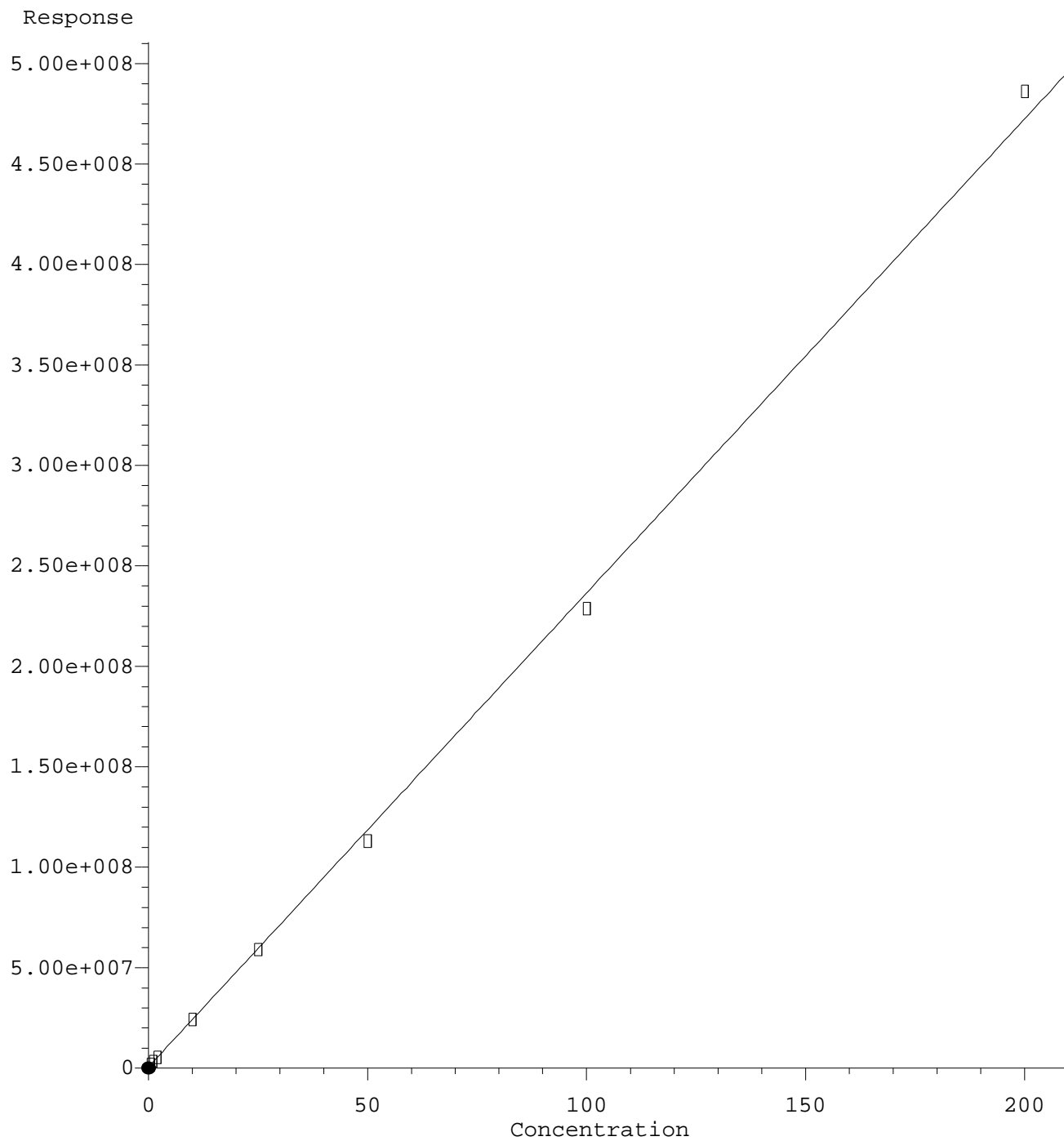


(29) 2,4'-DDT
8.185min 0.562 ng/mL
response 1221609

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(29) 2,4'-DDT #2
8.675min -0.115 ng/mL m
response 49306

Mirex

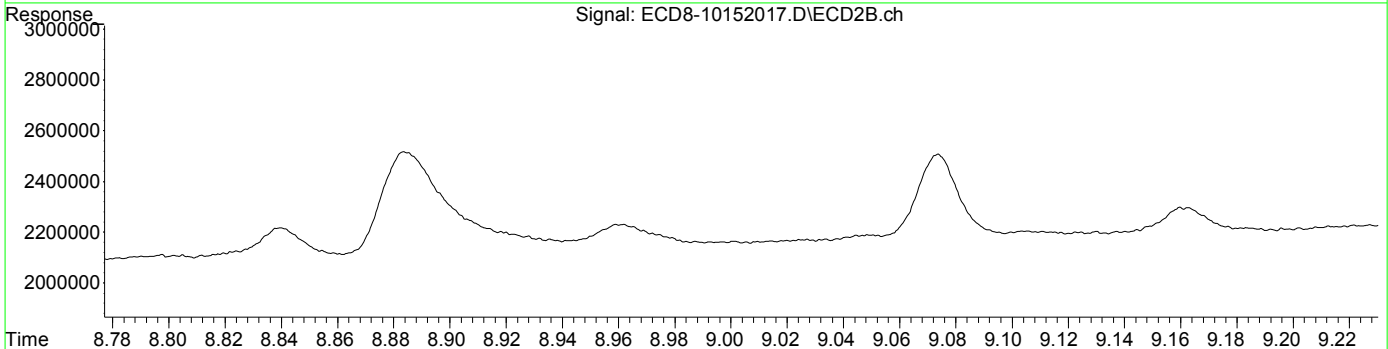
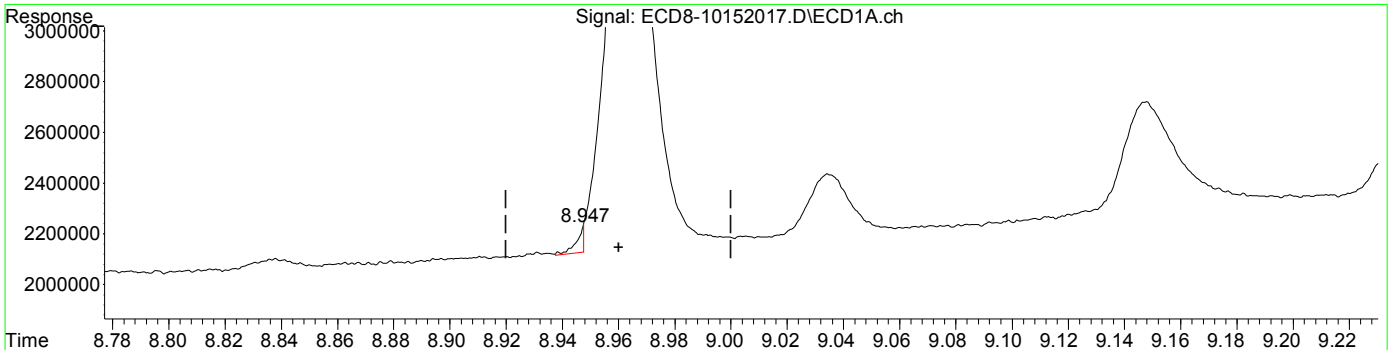


R = 1.61e+001 A*A + 2.36e+006 A + 7.10e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:33
Operator : MJB
Sample : 0J15061-CALA
Misc : A20J276, 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: Oct 20 17:32:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation

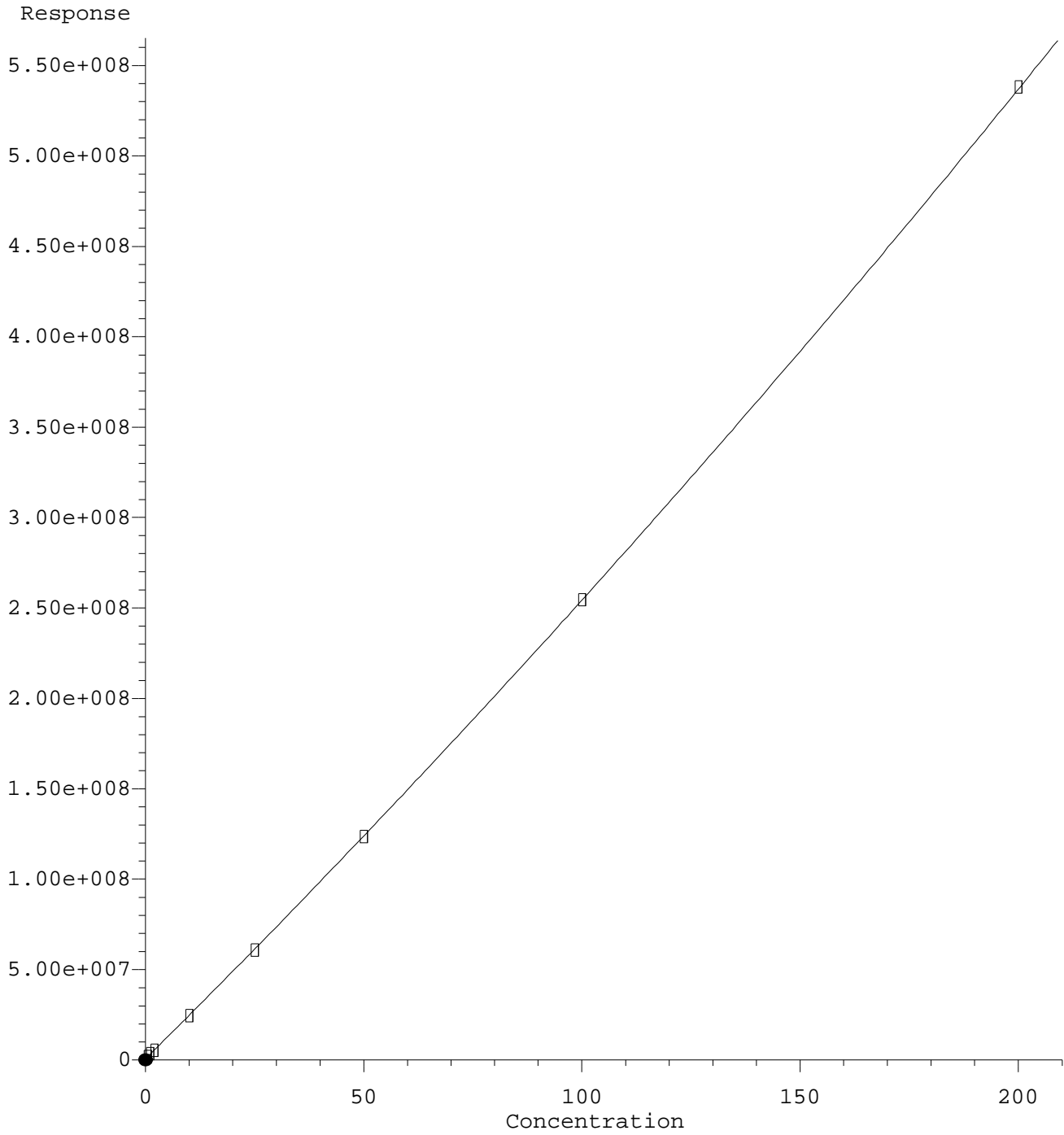


QEdit

(31) Mirex	8.947min	-0.258 ng/mL m	response 102577
(31) Mirex #2	9.647min	0.479 ng/mL	response 1941278

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Mirex #2

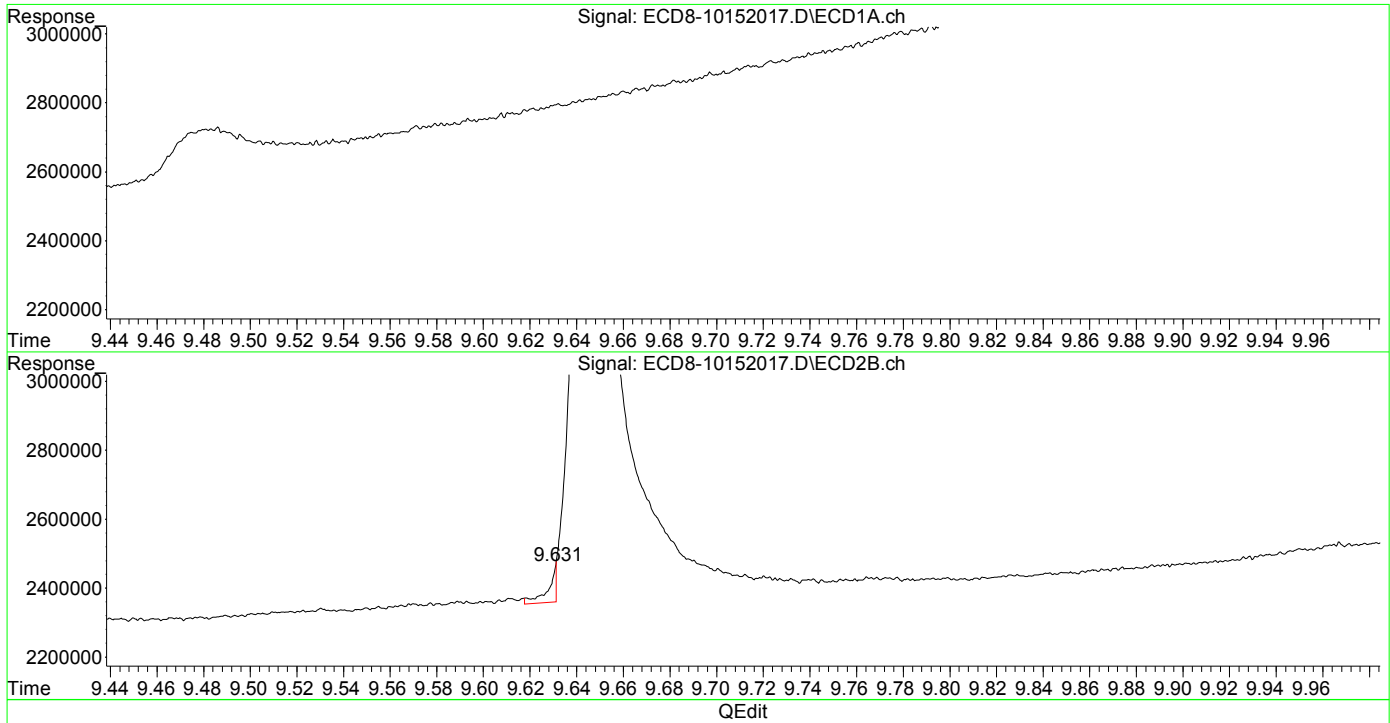


R = 1.46e+003 A*A + 2.39e+006 A + 7.96e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Calibration Table Last Updated: Tue Oct 20 17:23:54 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:33
Operator : MJB
Sample : 0J15061-CALA
Misc : A20J276, 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: Oct 20 17:32:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex
8.947min -0.258 ng/mL m
response 102577

MJB 10/21/20

(31) Mirex #2
9.631min -0.289 ng/mL m
response 107309

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:15
 Operator : MJB
 Sample : 0J15061-ICB1
 Misc : A2J148
 ALS Vial : 3 Sample Multiplier: 1

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Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 15:09:10 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.990	325.7E6	406.3E6	92.097	101.562
22) S DCBP (S)	9.903	10.505	237.7E6	227.6E6	94.618	94.095
Target Compounds						
2) a-BHC	6.233	6.585	19692	9789	0.004	0.002 #
3) g-BHC	6.520	6.899	57479	16241	0.014	0.003 #
4) b-BHC	6.610	6.969	28088	41528	0.018	0.021 #
5) Heptachlor	6.919	7.275	6718	23095	0.002	0.005 #
6) d-BHC	6.761	7.220	95222	133913	0.089	0.100 #
7) Aldrin	0.000	7.539	0	24718	N.D.	0.006 #
8) Heptachlo...	7.629	7.974	33415	52590	0.009	0.013 #
9) trans-Chl...	7.711	8.088f	211868	9996	0.058	0.003 #
10) cis-Chlor...	7.821	8.219	24719	41602	0.007	0.011 #
11) Endosulfa...	7.925	8.273	40863	39560	0.012	0.011 #
12) 4,4'-DDE	7.877	8.323	126080	35044	0.040	0.058 #
13) Dieldrin	8.101	8.469	29561	42373	0.008	0.028 #
14) Endrin	8.274	8.693	195545	50076	0.071	0.046 #
15) 4,4'-DDD	8.287	8.760f	160952	323811	0.059	0.115 #
16) Endosulfa...	8.433	8.838	86085	110008	0.029	0.034 #
17) 4,4'-DDT	8.485	8.950	62095	43976	0.057	0.080 #
18) Endrin Al...	8.728	9.072	699614	705319	BelowCal	BelowCal
19) Endosulfa...	9.032	9.267	179935	189830	0.060	0.057 #
20) Methoxychlor	8.834	9.422	70846	45007	0.051	BelowCal #
21) Endrin Ke...	9.234	9.657	106550	134188	0.029	0.034 #
23) Hexachlor...	3.477	3.717	10074	45591	BelowCal	BelowCal
24) Hexachlor...	6.070	6.453	656010	44327	0.196	0.011 #
25) Oxychlorane	7.538	7.888	18346	62419	0.006	0.018 #
26) 2,4'-DDE	7.629	8.088	33415	9996	0.016	0.004 #
27) trans-Non...	7.809	8.185	11799	27375	0.003	0.007 #
28) 2,4'-DDD	8.012	8.469	12530	42373	0.007	BelowCal #
29) 2,4'-DDT	8.184	8.693	6602	50076	0.003	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152005.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:15
 Operator : MJB
 Sample : 0J15061-ICB1
 Misc : A2J148
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 15:09:10 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

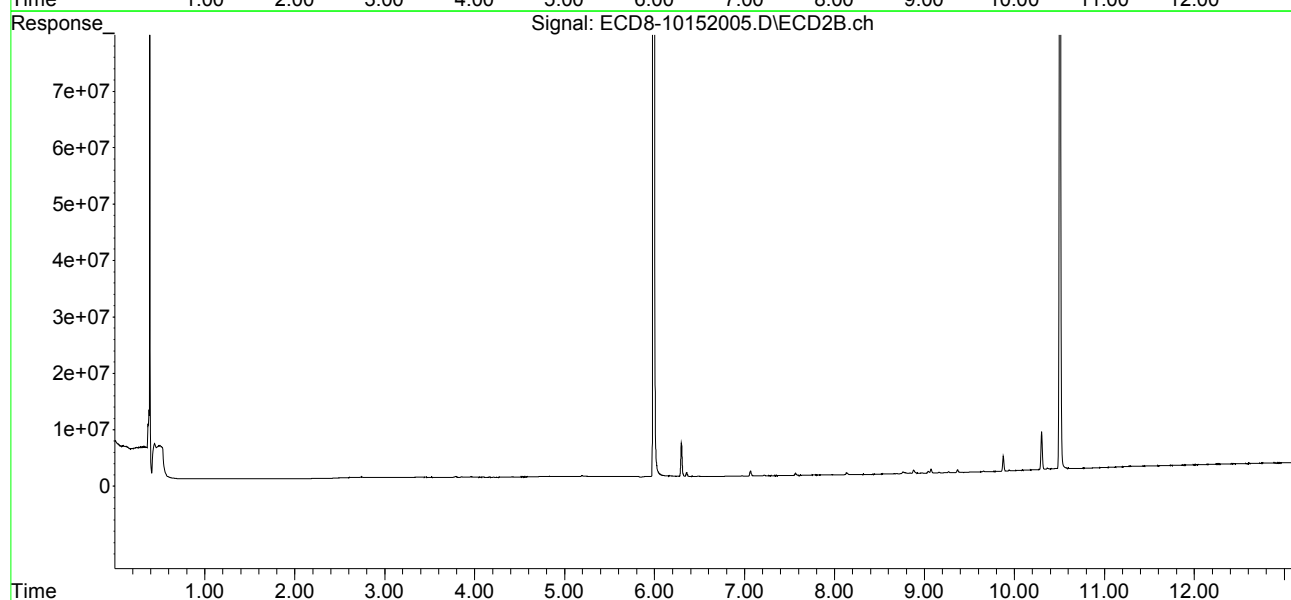
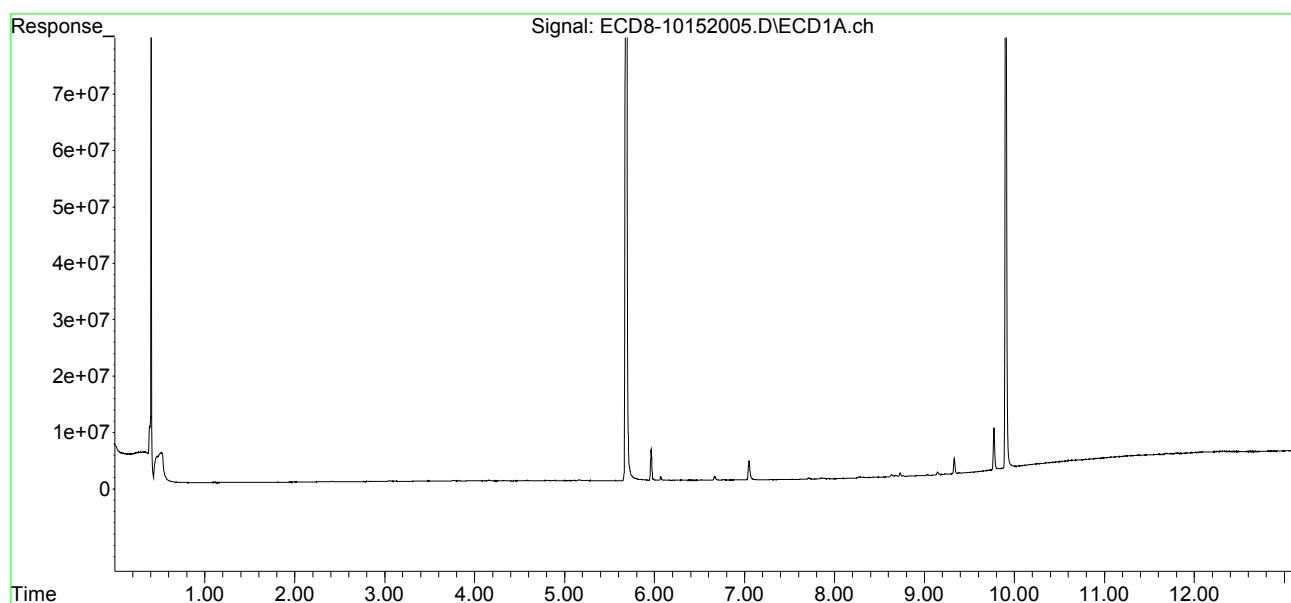
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.760f	160952	323811	0.041	0.076 #
31)	Mirex	8.956	9.634	50254	29278	BelowCal	BelowCal
32)	Chlordane...	7.711	8.088f	211868	9996	0.514	0.021 #
33)	Chlordane...	7.821	8.219	24719	41602	0.059	0.100 #
34)	Chlordane...	8.380	8.879	66895	582363	0.519	4.306 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.809	8.443	11799	9672	0.793	0.254 #
37)	Toxaphene...	8.101	8.760f	29561	323811	0.897	6.868 #
38)	Toxaphene...	8.433	8.838	86085	110008	1.242	1.564 #
39)	Toxaphene...	8.677f	8.879	288643	582363	3.879	4.888 #
40)	Toxaphene...	8.886	9.072	18497	705319	0.312	10.238 #
41)	Toxaphene...	8.956	9.457	50254	28207	0.746	0.377 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:15
Operator : MJB
Sample : 0J15061-ICB1
Misc : A2J148
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 15:09:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:00
 Operator : MJB
 Sample : 0J15061-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:30:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.995	36277	194150	0.010	0.049 #
22) S DCBP (S)	9.904	10.503	240361	236171	BelowCal	0.098
Target Compounds						
2) a-BHC	6.234	6.587	16722	54928	0.004	0.010 #
3) g-BHC	6.480f	6.900	213856	21233	0.053	0.005 #
4) b-BHC	6.609	6.967	52215	58701	0.033	0.030
5) Heptachlor	6.917	7.273	49720	24838	0.012	0.005 #
6) d-BHC	6.758	7.216	164520	167003	0.112	0.108
7) Aldrin	7.160	7.536	34097	30135	0.009	0.007
8) Heptachlo...	7.625	7.972	222254	49389	0.061	0.012 #
9) trans-Chl...	7.724	8.093	41501	17569	0.011	0.004 #
10) cis-Chlor...	7.817	8.217	83940	43883	0.023	0.011 #
11) Endosulfa...	7.926	8.269	44887	331318	0.013	0.092 #
12) 4,4'-DDE	7.876	8.323	102257	42118	0.032	0.060 #
13) Dieldrin	8.104	8.468	229166	38739	0.061	0.027 #
14) Endrin	8.233f	8.691	7524	294680	0.003	0.140 #
15) 4,4'-DDD	8.308	8.762f	87724	30492	0.032	0.012 #
16) Endosulfa...	8.432	8.837	87069	61707	0.030	0.019 #
17) 4,4'-DDT	8.505	8.971	20187	56149	0.040	0.084 #
18) Endrin Al...	8.728	9.075	407646	516207	BelowCal	BelowCal
19) Endosulfa...	9.032	9.266	192574	211476	0.064	0.064
20) Methoxychlor	8.838	0.000	31712	0	0.023	N.D. #
21) Endrin Ke...	9.235	9.658	113904	135542	0.031	0.035
23) Hexachlor...	3.475	3.716	62688	113177	BelowCal	BelowCal
24) Hexachlor...	6.069	6.465	88788	137457	0.026	0.034 #
25) Oxychlorane	0.000	7.886	0	19876	N.D.	0.006 #
26) 2,4'-DDE	7.625	8.093	222254	17569	0.103	0.007 #
27) trans-Non...	7.817	0.000	83940	0	0.023	N.D. #
28) 2,4'-DDD	7.962f	8.468	25541	38739	0.013	0.017 #
29) 2,4'-DDT	8.172	8.691	6642	294680	0.003	0.003

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152015.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:00
 Operator : MJB
 Sample : 0J15061-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:30:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

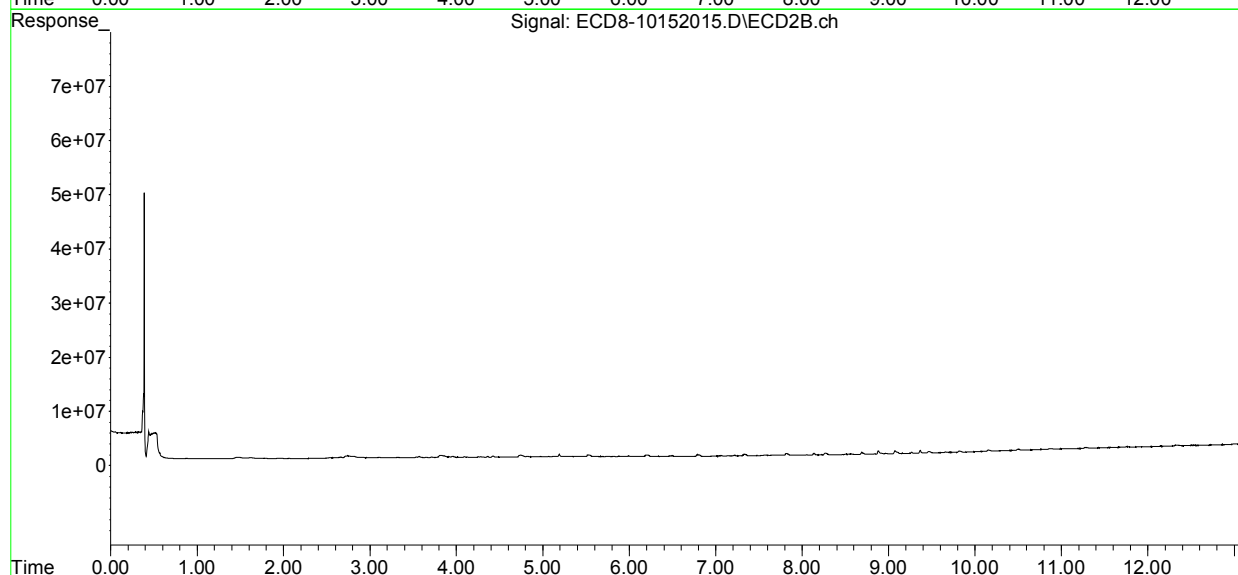
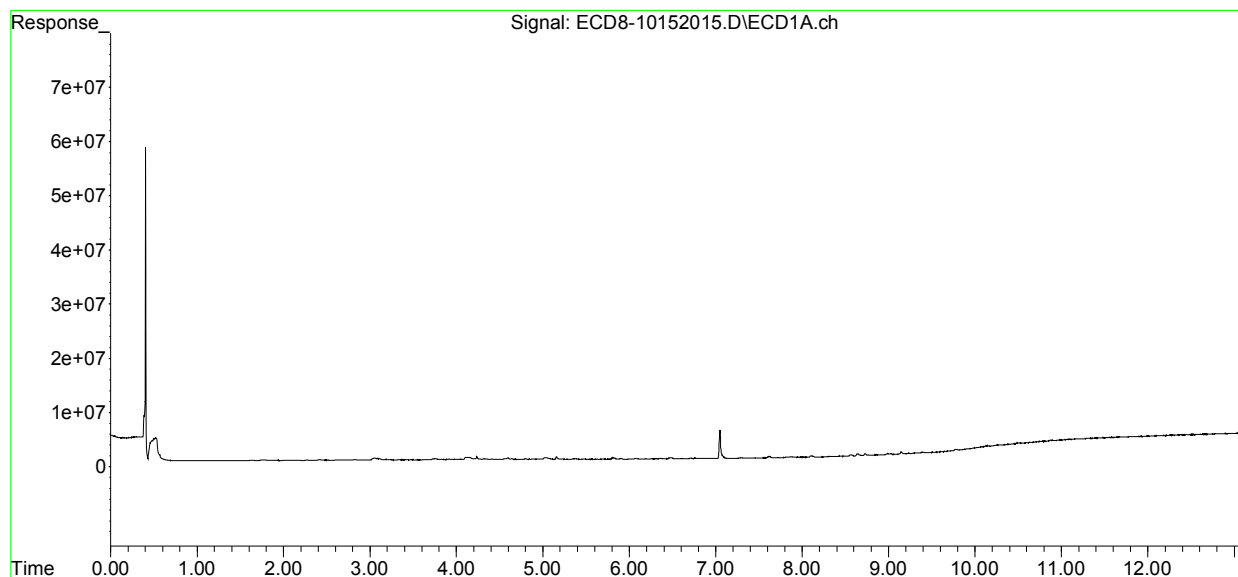
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.308f	8.762f	87724	30492	0.022	0.007	#
31)	Mirex	8.993f	9.658	205490	135542	BelowCal	BelowCal	
32)	Chlordane...	7.724	8.093	41501	17569	0.101	0.036	#
33)	Chlordane...	7.817	8.217	83940	43883	0.200	0.106	#
34)	Chlordane...	8.386	8.882	37996	555233	0.295	4.105	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.797	8.468f	16459	38739	1.106	1.019	
37)	Toxaphene...	8.104	8.773	229166	25887	6.957	0.549	#
38)	Toxaphene...	8.407	8.837	30825	61707	0.445	0.877	#
39)	Toxaphene...	8.638	8.882	411519	555233	5.530	4.661	
40)	Toxaphene...	8.889	9.075	12999	516207	0.219	7.493	#
41)	Toxaphene...	8.993f	9.467f	205490	256204	3.052	3.421	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:00
Operator : MJB
Sample : 0J15061-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 11:30:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:17
 Operator : MJB
 Sample : 0J15061-ICV1
 Misc : A20I130, AB 50 ppb
 ALS Vial : 13 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:30:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.990	165.0E6	195.7E6	46.644	48.917
22) S	DCBP (S)	9.905	10.507	119.4E6	112.5E6	47.655	46.518
Target Compounds							
2)	a-BHC	6.234	6.586	234.0E6	283.7E6	49.659	53.034
3)	g-BHC	6.520	6.901	203.6E6	243.1E6	50.578	52.280
4)	b-BHC	6.601	6.967	77057289	97231616	49.368	49.694
5)	Heptachlor	6.919	7.274	195.8E6	226.8E6	48.235	49.563
6)	d-BHC	6.755	7.215	172.4E6	229.2E6	51.426	51.762
7)	Aldrin	7.162	7.537	202.3E6	227.3E6	51.500	53.234
8)	Heptachlo...	7.632	7.972	177.1E6	197.9E6	48.439	49.288
9)	trans-Chl...	7.724	8.112	181.7E6	203.2E6	49.328	51.056
10)	cis-Chlor...	7.821	8.218	178.2E6	193.4E6	49.187	49.859
11)	Endosulfa...	7.926	8.268	163.0E6	183.8E6	47.915	51.120
12)	4,4'-DDE	7.873	8.320	161.8E6	190.9E6	51.351	50.859
13)	Dieldrin	8.099	8.467	187.9E6	208.7E6	50.011	50.815
14)	Endrin	8.269	8.690	139.8E6	149.6E6	50.976	51.865
15)	4,4'-DDD	8.304	8.734	137.1E6	163.9E6	50.397	51.804
16)	Endosulfa...	8.431	8.836	143.5E6	167.2E6	48.720	51.352
17)	4,4'-DDT	8.499	8.958	141.5E6	160.1E6	51.628	51.912
18)	Endrin Al...	8.726	9.071	144.1E6	161.9E6	50.465	53.016
19)	Endosulfa...	9.032	9.266	143.9E6	162.9E6	48.151	49.018
20)	Methoxychlor	8.831	9.424	67631491	79616947	49.130	51.734
21)	Endrin Ke...	9.234	9.657	175.5E6	197.5E6	47.472	50.561
23)	Hexachlor...	3.480	3.714	12382	21696	BelowCal	BelowCal
24)	Hexachlor...	6.070	6.453	377547	20539	0.112	0.005 #
25)	Oxychlorane	7.565	7.887	313207	217721	0.096	0.061 #
26)	2,4'-DDE	7.632	8.112	177.1E6	203.2E6	82.240	82.621
27)	trans-Non...	7.821	8.175	178.2E6	623023	48.877	0.156 #
28)	2,4'-DDD	0.000	8.467	0	208.7E6	N.D.	91.264 #
29)	2,4'-DDT	8.180	8.690	785637	149.6E6	0.361	63.666 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:17
 Operator : MJB
 Sample : 0J15061-ICV1
 Misc : A20I130, AB 50 ppb
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:30:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

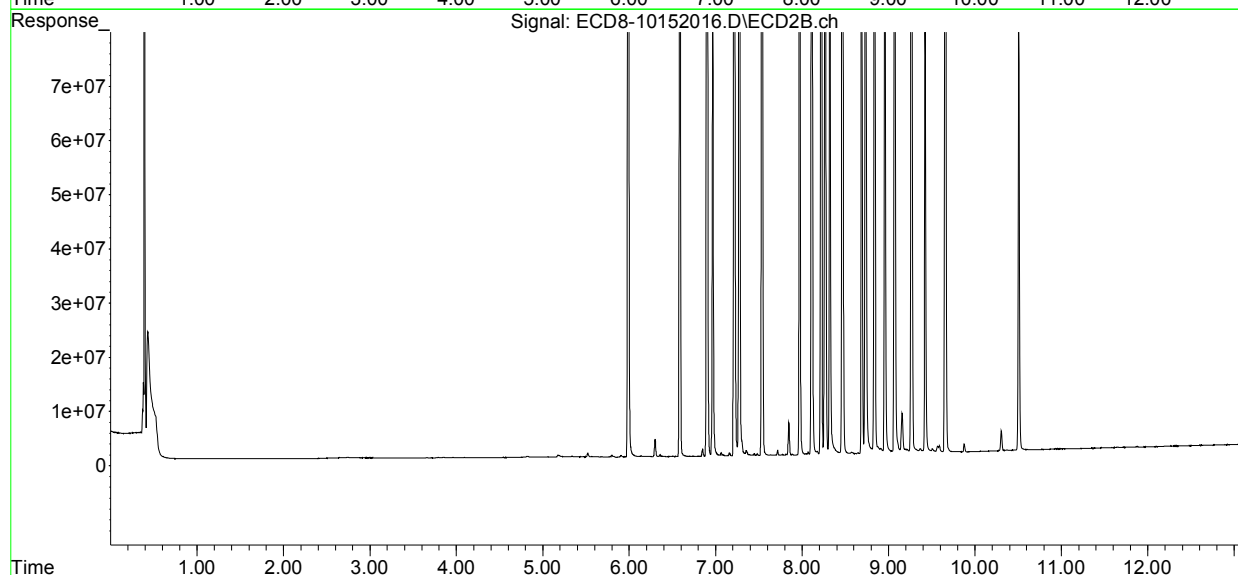
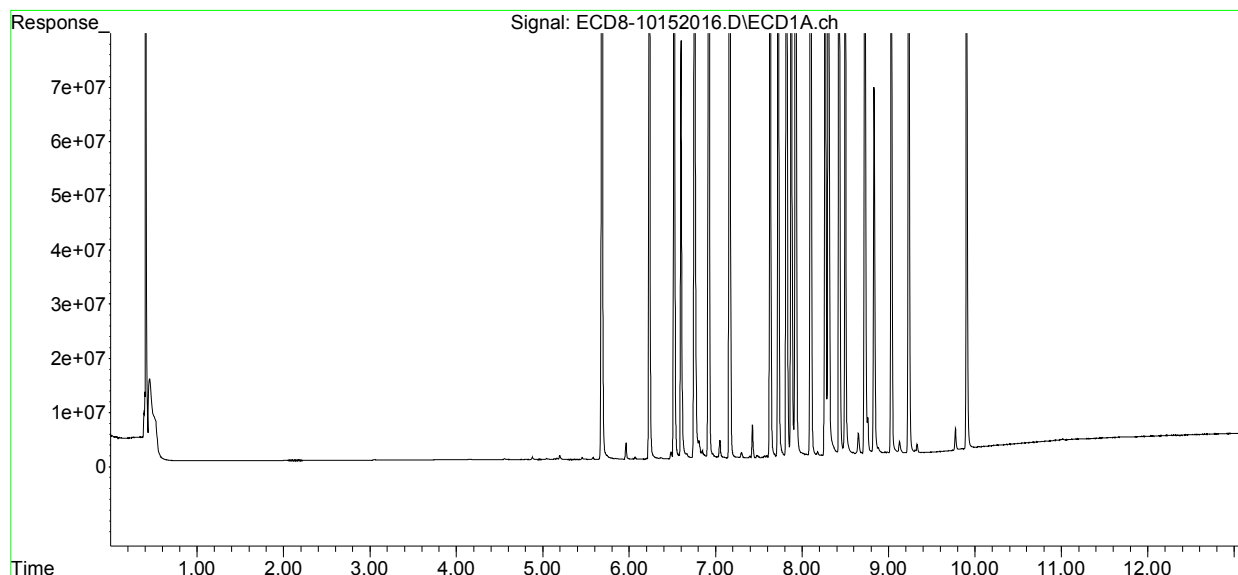
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.269	8.734	139.8E6	163.9E6	35.038	37.764
31)	Mirex	8.963	9.657	299955	197.5E6	BelowCal	78.563
32)	Chlordane...	7.724	8.112	181.7E6	203.2E6	440.967	417.153
33)	Chlordane...	7.821	8.218	178.2E6	193.4E6	425.055	467.235
34)	Chlordane...	0.000	8.877	0	1311471	N.D.	9.697 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.821	8.467f	178.2E6	208.7E6	11976.113	5492.509 #
37)	Toxaphene...	8.099	0.000	187.9E6	0	5704.044	N.D. #
38)	Toxaphene...	8.431	8.836	143.5E6	167.2E6	2070.032	2377.317
39)	Toxaphene...	8.650	8.877	3902275	1311471	52.435	11.009 #
40)	Toxaphene...	8.882	9.071	1118590	161.9E6	18.843	2349.795 #
41)	Toxaphene...	8.963	9.424	299955	79616947	4.455	1063.236 #
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\2020-10\0J15061\
Data File : ECD8-10152016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:17
Operator : MJB
Sample : 0J15061-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 11:30:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152026.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:02
 Operator : MJB
 Sample : 0J15061-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:31:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.997	0	178278	N.D.	0.045 #
22) S DCBP (S)	9.904	10.500	209896	232169	BelowCal	0.096
Target Compounds						
2) a-BHC	6.257f	6.585	44623	43417	0.009	0.008
3) g-BHC	6.481f	6.901	202870	12683	0.050	0.003 #
4) b-BHC	6.607	6.966	38814	50083	0.025	0.026
5) Heptachlor	6.919	7.275	30670	14734	0.008	0.003 #
6) d-BHC	6.759	7.216	112571	110782	0.095	0.094
7) Aldrin	7.133f	7.536	15128	14932	0.004	0.003
8) Heptachlo...	7.623	7.972	210052	29685	0.057	0.007 #
9) trans-Chl...	7.724	8.096	27856	38667	0.008	0.010 #
10) cis-Chlor...	7.820	8.206	74210	36983	0.020	0.010 #
11) Endosulfa...	7.963f	8.269	48625	304599	0.014	0.085 #
12) 4,4'-DDE	7.873	8.320	93685	15919	0.030	0.052 #
13) Dieldrin	8.107	8.470	195060	17885	0.052	0.021 #
14) Endrin	8.269	8.689	19285	285638	0.007	0.137 #
15) 4,4'-DDD	8.305	8.748	62503	10476	0.023	0.005 #
16) Endosulfa...	8.433	8.838	55843	30193	0.019	0.009 #
17) 4,4'-DDT	8.496	8.955	353946	45317	0.174	0.080 #
18) Endrin Al...	8.759f	9.082	122999	282342	BelowCal	BelowCal
19) Endosulfa...	9.031	9.264	118930	97435	0.040	0.029 #
20) Methoxychlor	8.814	9.403f	58248	41930	0.042	BelowCal #
21) Endrin Ke...	9.233	9.655	73251	80871	0.020	0.021
23) Hexachlor...	3.475	3.715	33292	138814	BelowCal	BelowCal
24) Hexachlor...	6.071	6.467	124337	157270	0.037	0.039
25) Oxychlorane	7.552	7.898	17835	20699	0.005	0.006
26) 2,4'-DDE	7.623	8.096	210052	38667	0.098	0.016 #
27) trans-Non...	7.816	8.174	74827	66265	0.021	0.017
28) 2,4'-DDD	8.000	8.470	33553	17885	0.017	0.008 #
29) 2,4'-DDT	8.179	8.689	10473	285638	0.005	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152026.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:02
 Operator : MJB
 Sample : 0J15061-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:31:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

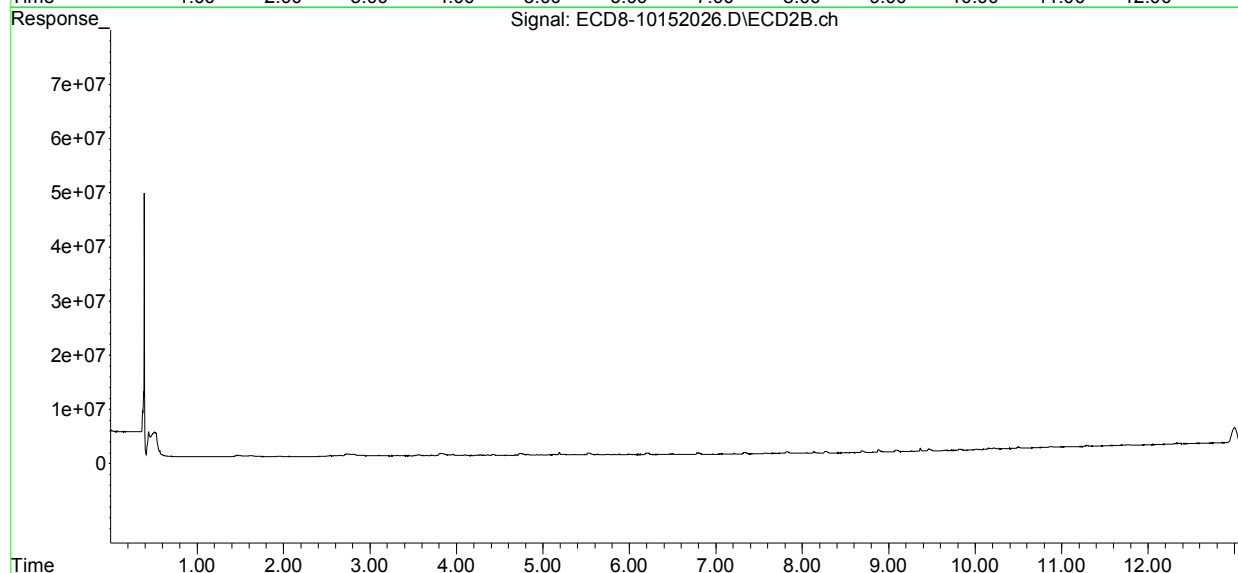
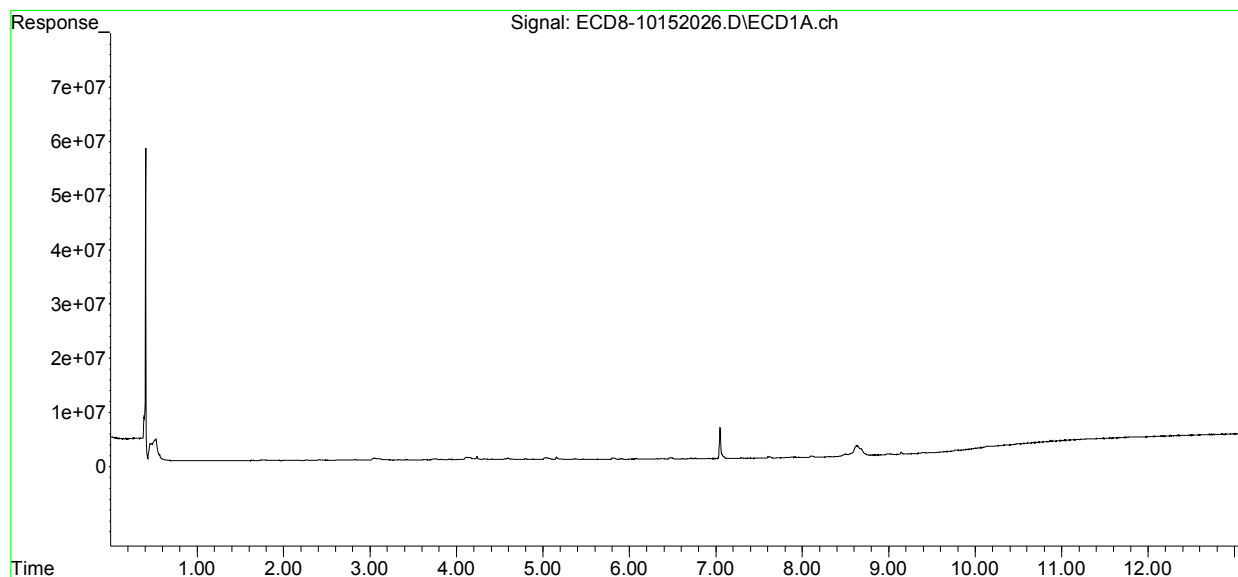
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.748	44626	10476	0.011	0.002 #
31)	Mirex	8.981f	9.655	179220	80871	BelowCal	BelowCal
32)	Chlordane...	7.724	8.096	27856	38667	0.068	0.079
33)	Chlordane...	7.816	8.206	74827	36983	0.179	0.089 #
34)	Chlordane...	8.389	8.882	16672	475371	0.129	3.515 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.795	8.421f	27476	9692	1.847	0.255 #
37)	Toxaphene...	8.107	8.800	195060	9317	5.922	0.198 #
38)	Toxaphene...	8.410	8.838	6772	30193	0.098	0.429 #
39)	Toxaphene...	8.636f	8.882	1916537	475371	25.753	3.990 #
40)	Toxaphene...	8.929f	9.082	9121	282342	0.154	4.098 #
41)	Toxaphene...	8.981	9.464f	179220	340512	2.662	4.547 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 00:02
Operator : MJB
Sample : 0J15061-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 11:31:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:19
 Operator : MJB
 Sample : 0J15061-ICV2
 Misc : A20I187, 9-42 50 ppb
 ALS Vial : 23 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 15:10:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653f	5.980	413558	55250	0.117	0.014 #
22) S DCBP (S)	9.899	10.503	223499	52665	BelowCal	0.022
Target Compounds						
2) a-BHC	6.265f	6.579	171094	258645	0.036	0.048 #
3) g-BHC	6.520	6.899	68314	47487	0.017	0.010 #
4) b-BHC	6.610	6.969	38441	66649	0.025	0.034 #
5) Heptachlor	6.919	7.273	122111	137551	0.030	0.030
6) d-BHC	6.760	7.216	117197	175448	0.096	0.111
7) Aldrin	7.163	7.534	36349	49856	0.009	0.012 #
8) Heptachlo...	7.621	8.007f	102.8E6	558155	28.110	0.139 #
9) trans-Chl...	7.723	8.096	2811381	122.8E6	0.763	30.851 #
10) cis-Chlor...	7.806	8.211	171.0E6	4866579	47.213	1.254 #
11) Endosulfa...	7.918	8.281	3765869	505892	1.107	0.141 #
12) 4,4'-DDE	0.000	8.326	0	3049788	N.D.	0.947 #
13) Dieldrin	8.089	8.467	774604	107.2E6	0.206	26.988 #
14) Endrin	8.286	8.688	184.2E6	125.3E6	67.169	44.136 #
15) 4,4'-DDD	8.286	8.734	184.2E6	208.9E6	67.729	64.488
16) Endosulfa...	8.433	8.837	163744	223268	0.056	0.069
17) 4,4'-DDT	8.500	8.957	119665	140090	0.080	0.115 #
18) Endrin Al...	8.724	9.072	191173	143821	BelowCal	BelowCal
19) Endosulfa...	9.065f	9.265	511417	101002	0.171	0.030 #
20) Methoxychlor	8.837	9.422	14192	36164	0.010	BelowCal #
21) Endrin Ke...	9.235	9.643	89134	119.9E6	0.024	30.699 #
23) Hexachlor...	3.474	3.702	153.0E6	189.3E6	47.268	48.373
24) Hexachlor...	6.069	6.453	154.9E6	189.5E6	46.302	47.601
25) Oxychlorane	7.553	7.901	152.8E6	171.7E6	47.311	48.769
26) 2,4'-DDE	7.621	8.096	102.8E6	122.8E6	48.319	50.602
27) trans-Non...	7.806	8.175	171.0E6	190.8E6	47.331	48.395
28) 2,4'-DDD	8.000	8.467	88392674	107.2E6	46.005	50.436
29) 2,4'-DDT	8.180	8.688	111.4E6	125.3E6	51.934	54.652

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152027.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:19
 Operator : MJB
 Sample : 0J15061-ICV2
 Misc : A20I187, 9-42 50 ppb
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 15:10:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

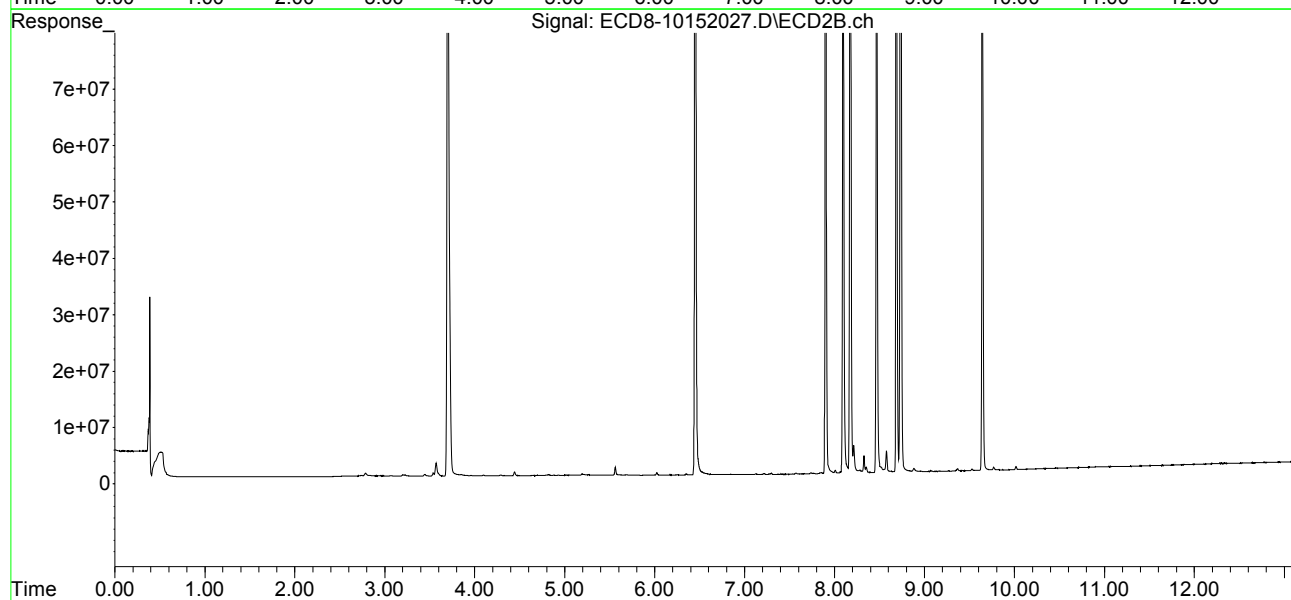
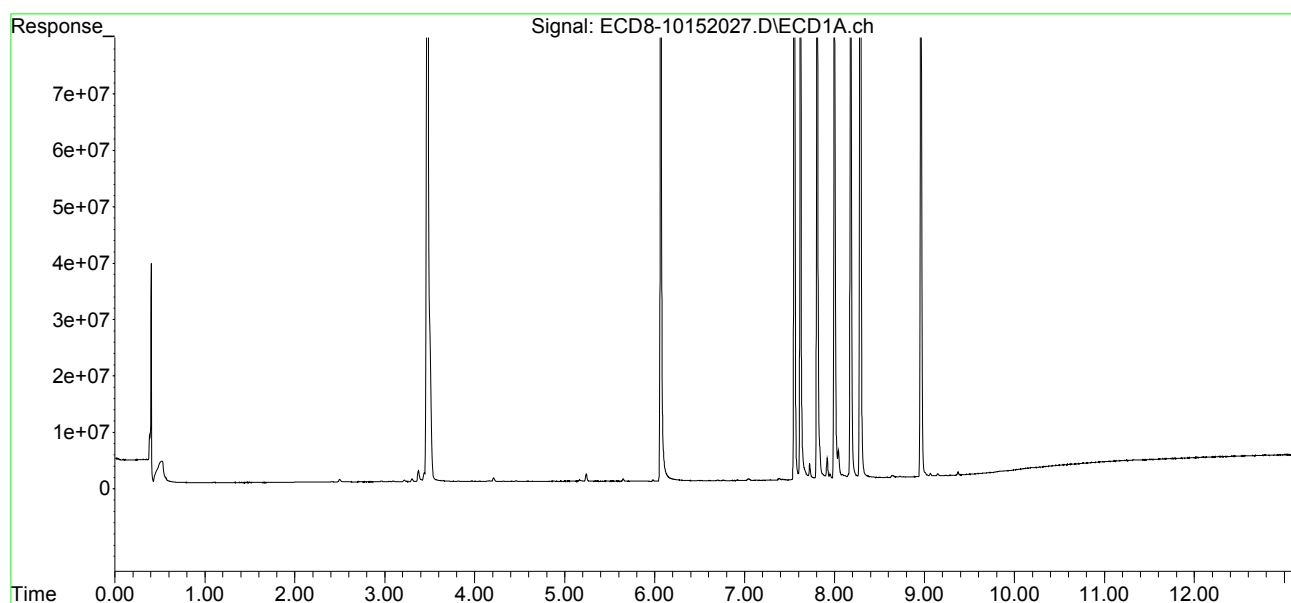
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.734	184.2E6	208.9E6	46.708	48.832
31)	Mirex	8.961	9.643	113.4E6	119.9E6	48.087	48.808
32)	Chlordane...	7.723	8.096	2811381	122.8E6	6.825	252.069 #
33)	Chlordane...	7.806	8.211	171.0E6	4866579	408.003	11.755 #
34)	Chlordane...	0.000	8.881	0	601552	N.D.	4.448 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.806	8.467f	171.0E6	107.2E6	11495.682	2820.717 #
37)	Toxaphene...	8.089	0.000	774604	0	23.517	N.D. #
38)	Toxaphene...	8.433	8.837	163744	223268	2.362	3.174 #
39)	Toxaphene...	8.641	8.881	376516	601552	5.059	5.049
40)	Toxaphene...	8.870f	9.072	8090	143821	0.136	2.088 #
41)	Toxaphene...	8.961	9.442	113.4E6	22501	1684.049	0.300 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 00:19
Operator : MJB
Sample : 0J15061-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 15:10:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 2:31
 Operator : MJB
 Sample : 0J15061-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:32:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.710f	5.998	25302	155203	0.007	0.039 #
22) S DCBP (S)	9.941f	10.501	106252	240682	BelowCal	0.099
Target Compounds						
2) a-BHC	6.260f	6.588	40623	42583	0.009	0.008
3) g-BHC	6.480f	6.938f	201951	7271	0.050	0.002 #
4) b-BHC	6.613	6.966	35946	56196	0.023	0.029
5) Heptachlor	6.915	7.271	44476	23868	0.011	0.005 #
6) d-BHC	6.758	7.213	100505	98350	0.091	0.091
7) Aldrin	7.139f	7.530	31214	27894	0.008	0.007
8) Heptachlo...	7.622	7.974	200689	43233	0.055	0.011 #
9) trans-Chl...	7.722	8.110	67877	82669	0.018	0.021
10) cis-Chlor...	7.817	8.216	112431	85348	0.031	0.022 #
11) Endosulfa...	7.925	8.269	56485	312281	0.017	0.087 #
12) 4,4'-DDE	7.888	8.317	81135	27474	0.026	0.056 #
13) Dieldrin	8.104	8.464	196592	20629	0.052	0.022 #
14) Endrin	8.287	8.689	34487	297936	0.013	0.142 #
15) 4,4'-DDD	8.309	8.747	59602	14109	0.022	0.007 #
16) Endosulfa...	8.430	8.834	52187	29018	0.018	0.009 #
17) 4,4'-DDT	8.497	8.959	13656	90097	0.038	0.097 #
18) Endrin Al...	8.728	9.086	163036	280065	BelowCal	BelowCal
19) Endosulfa...	9.029	9.264	95259	85258	0.032	0.026
20) Methoxychlor	8.835	9.426	24233	29157	0.018	BelowCal #
21) Endrin Ke...	9.233	9.653	69147	73862	0.019	0.019
23) Hexachlor...	3.473	3.715	32371	106232	BelowCal	BelowCal
24) Hexachlor...	6.077	6.469	108080	151830	0.032	0.038
25) Oxychlorane	7.553	7.886	11914	44155	0.004	0.012 #
26) 2,4'-DDE	7.622	8.110	200689	82669	0.093	0.034 #
27) trans-Non...	7.817	8.175	112431	94744	0.031	0.024
28) 2,4'-DDD	7.991	8.464	25930	20629	0.013	0.009 #
29) 2,4'-DDT	8.192	8.689	7267	297936	0.003	0.005 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 2:31
 Operator : MJB
 Sample : 0J15061-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:32:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

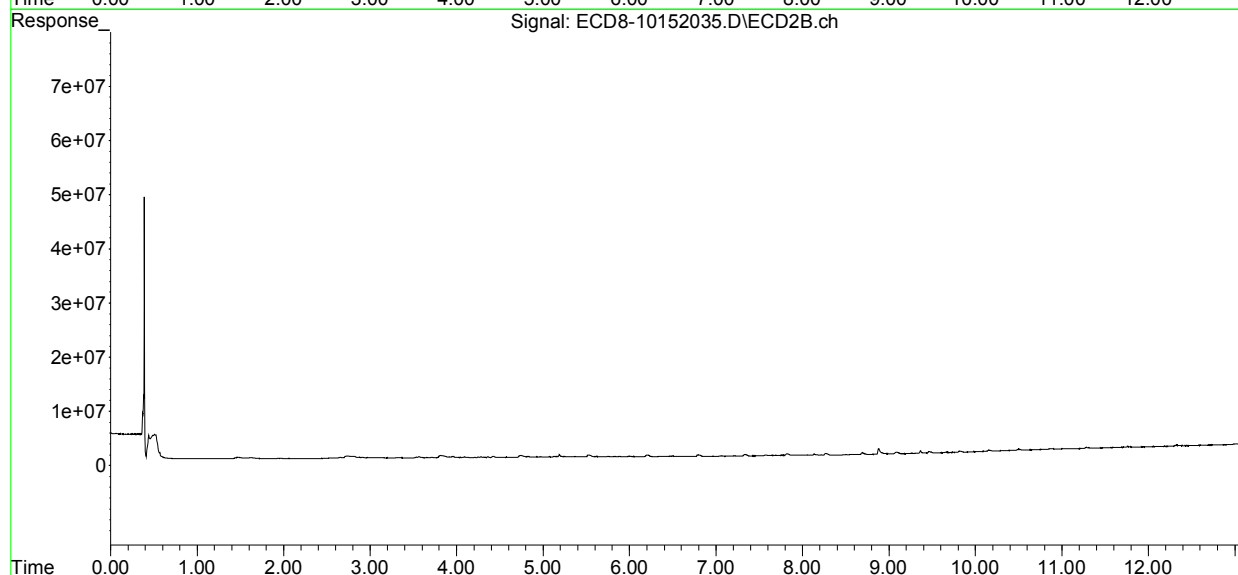
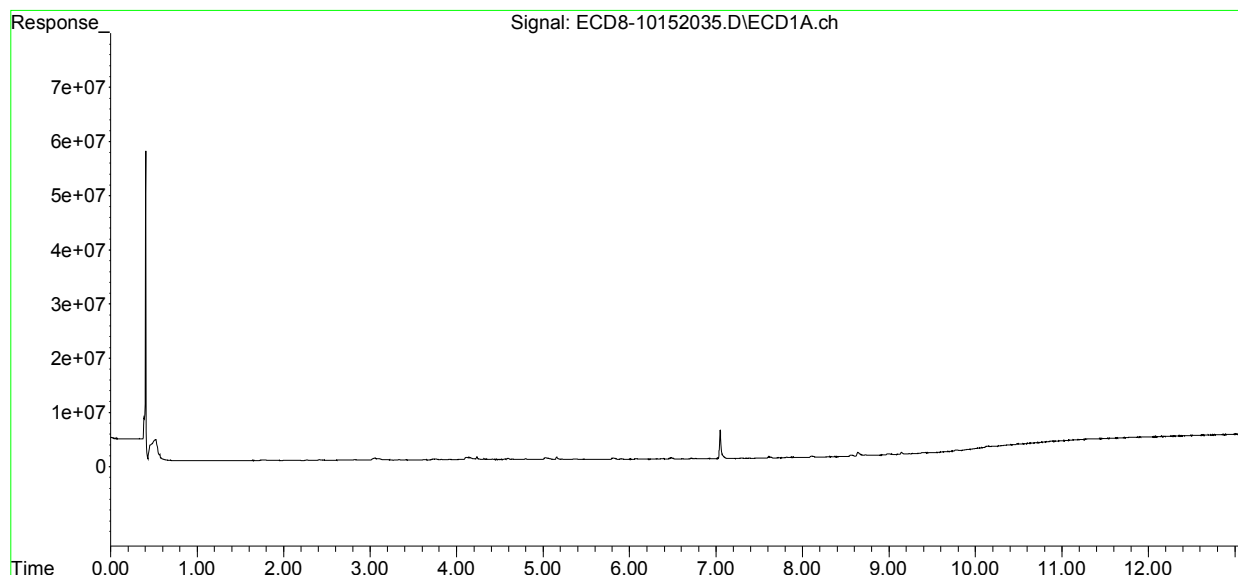
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.747	34487	14109	0.009	0.003 #
31)	Mirex	8.950	9.637	11268	21301	BelowCal	BelowCal
32)	Chlordane...	7.722	8.110	67877	82669	0.165	0.170
33)	Chlordane...	7.817	8.216	112431	85348	0.268	0.206
34)	Chlordane...	8.387	8.882	27422	1017890	0.213	7.526 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.817	8.441	112431	9653	7.557	0.254 #
37)	Toxaphene...	8.104	8.792	196592	10248	5.968	0.217 #
38)	Toxaphene...	8.430	8.819	52187	10031	0.753	0.143 #
39)	Toxaphene...	8.640	8.882	739281	1017890	9.934	8.544
40)	Toxaphene...	8.892	9.086	19730	280065	0.332	4.065 #
41)	Toxaphene...	8.950	9.435	11268	24389	0.167	0.326 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 2:31
Operator : MJB
Sample : 0J15061-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 11:32:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 2:47
 Operator : MJB
 Sample : 0J15061-ICV3
 Misc : A20F062, CHOLR 500 ppb
 ALS Vial : 31 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:32:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.962f	82134	59226	0.023	0.015 #
22) S DCBP (S)	9.921	10.520	431749	58803	BelowCal	0.024
Target Compounds						
2) a-BHC	6.221	6.615f	74110	4143369	0.016	0.775 #
3) g-BHC	6.528	6.911	200683	2082454	0.050	0.448 #
4) b-BHC	6.610	6.960	2252796	253939	1.443	0.130 #
5) Heptachlor	6.918	7.272	92152266	105.4E6	22.706	23.019
6) d-BHC	6.764	7.210	2614473	674000	0.909	0.234 #
7) Aldrin	7.175	7.545	1292172	1110757	0.329	0.260
8) Heptachlo...	7.634	7.987	13649820	5281699	3.734	1.315 #
9) trans-Chl...	7.723	8.109	202.0E6	247.5E6	54.864	62.187
10) cis-Chlor...	7.818	8.215	201.5E6	206.0E6	55.623	53.086
11) Endosulfa...	7.938	8.281	5505083	4043194	1.619	1.124 #
12) 4,4'-DDE	7.882	8.314	6238545	5422165	1.980	1.645
13) Dieldrin	8.110	8.467	6398195	22723243	1.703	5.910 #
14) Endrin	8.285	8.687	35730637	4984027	13.029	1.948 #
15) 4,4'-DDD	8.285	8.734	35730637	38202894	13.138	13.023
16) Endosulfa...	8.425	8.823	4677508	5344067	1.588	1.641
17) 4,4'-DDT	8.495	8.946	1039214	3724893	0.449	1.441 #
18) Endrin Al...	8.740	9.099f	1171756	11646243	0.112	3.716 #
19) Endosulfa...	9.029	9.286f	2623310	1190384	0.878	0.358 #
20) Methoxychlor	8.839	9.421	1115523	317396	0.810	0.175 #
21) Endrin Ke...	9.238	9.656	192223	2287043	0.052	0.585 #
23) Hexachlor...	3.475	3.717	11560	38939	BelowCal	BelowCal
24) Hexachlor...	6.056	6.421f	113259	432640	0.034	0.107 #
25) Oxychlorane	7.582f	7.883	38794935	2500611	11.916	0.701 #
26) 2,4'-DDE	7.634	8.109	13649820	247.5E6	6.339	100.635 #
27) trans-Non...	7.818	8.175	201.5E6	175.9E6	55.273	43.992
28) 2,4'-DDD	8.001	8.467	5829722	22723243	3.001	9.935 #
29) 2,4'-DDT	8.157f	8.687	16902532	4984027	7.773	2.245 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 2:47
 Operator : MJB
 Sample : 0J15061-ICV3 FRONT COLUMN: 490.00
 Misc : A20F062, CHOLR 500 ppb REAR COLUMN: 498.26
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:32:22 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

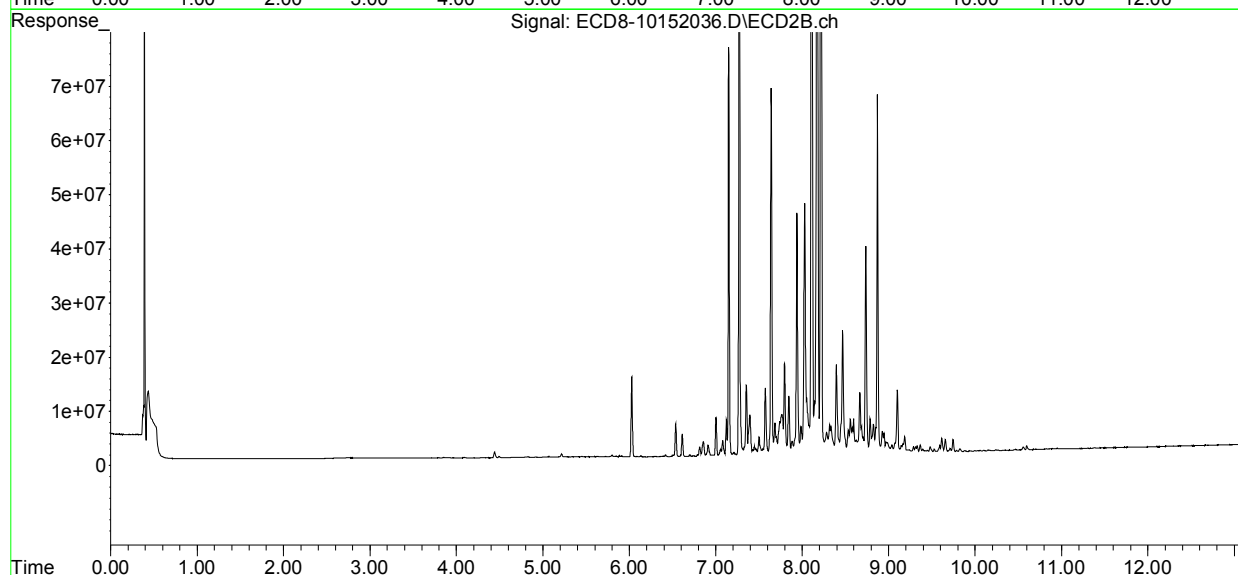
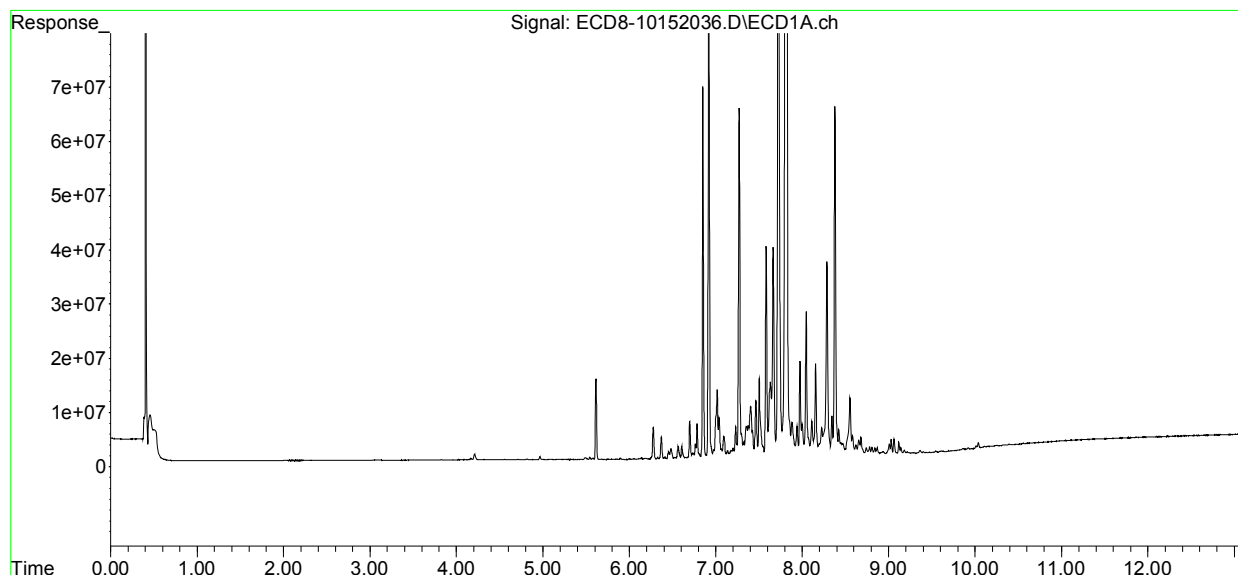
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.734	35730637	38202894	8.955	8.802
31)	Mirex	8.939f	9.656	440315	2287043	BelowCal	0.624
32)	Chlordane...	7.723	8.109	202.0E6	247.5E6	490.458	508.103
33)	Chlordane...	7.818	8.215	201.5E6	206.0E6	480.678	497.475
34)	Chlordane...	8.378	8.871	64331212	66162721	498.860	489.188
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.467f	201.5E6	22723243	13543.332	597.893 #
37)	Toxaphene...	8.110	8.788	6398195	6394433	194.246	135.635 #
38)	Toxaphene...	8.425	8.823	4677508	5344067	67.474	75.983
39)	Toxaphene...	8.652	8.871	2614091	66162721	35.126	555.371 #
40)	Toxaphene...	8.868f	9.099f	1182746	11646243	19.924	169.055 #
41)	Toxaphene...	8.939f	9.449	440315	328808	6.540	4.391 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 2:47
Operator : MJB
Sample : 0J15061-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: Oct 21 11:32:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:59
 Operator : MJB
 Sample : 0J15061-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

CLEAN

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:32:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.709f	5.997	18215	173632	0.005	0.043 #
22) S DCBP (S)	9.925f	10.502	180501	215456	BelowCal	0.089
Target Compounds						
2) a-BHC	6.258f	6.588	47565	37975	0.010	0.007 #
3) g-BHC	0.000	6.900	0	10067	N.D.	0.002 #
4) b-BHC	6.614	6.966	28740	57471	0.018	0.029 #
5) Heptachlor	6.918	7.271	38412	11381	0.009	0.002 #
6) d-BHC	6.760	7.215	87917	81583	0.087	0.087
7) Aldrin	7.159	7.538	26607	17616	0.007	0.004 #
8) Heptachlo...	7.619	7.965	197681	21428	0.054	0.005 #
9) trans-Chl...	7.719	8.100	33114	22847	0.009	0.006 #
10) cis-Chlor...	7.819	8.213	75657	39711	0.021	0.010 #
11) Endosulfa...	7.921	8.269	56868	303565	0.017	0.084 #
12) 4,4'-DDE	7.879	8.344f	70386	14151	0.022	0.052 #
13) Dieldrin	8.099	8.467	195011	14148	0.052	0.020 #
14) Endrin	8.270	8.689	16162	290395	0.006	0.139 #
15) 4,4'-DDD	8.306	8.753f	57946	7853	0.021	0.004 #
16) Endosulfa...	8.431	8.837	50825	25647	0.017	0.008 #
17) 4,4'-DDT	8.492	8.955	15876	54034	0.038	0.083 #
18) Endrin Al...	8.728	9.080	119590	274885	BelowCal	BelowCal
19) Endosulfa...	9.027	9.264	98300	74318	0.033	0.022 #
20) Methoxychlor	8.829	9.424	20234	30345	0.015	BelowCal #
21) Endrin Ke...	9.234	9.655	71038	72888	0.019	0.019
23) Hexachlor...	3.475	3.715	26674	111850	BelowCal	BelowCal
24) Hexachlor...	6.078	6.469	96869	161050	0.029	0.040 #
25) Oxychlorane	7.552	7.905	8094	11851	0.002	0.003 #
26) 2,4'-DDE	7.619	8.100	197681	22847	0.092	0.009 #
27) trans-Non...	7.819	8.189	75657	33291	0.021	0.008 #
28) 2,4'-DDD	7.992	8.467	27039	14148	0.014	0.006 #
29) 2,4'-DDT	8.187	8.689	9056	290395	0.004	0.001 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152044.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:59
 Operator : MJB
 Sample : 0J15061-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:32:45 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

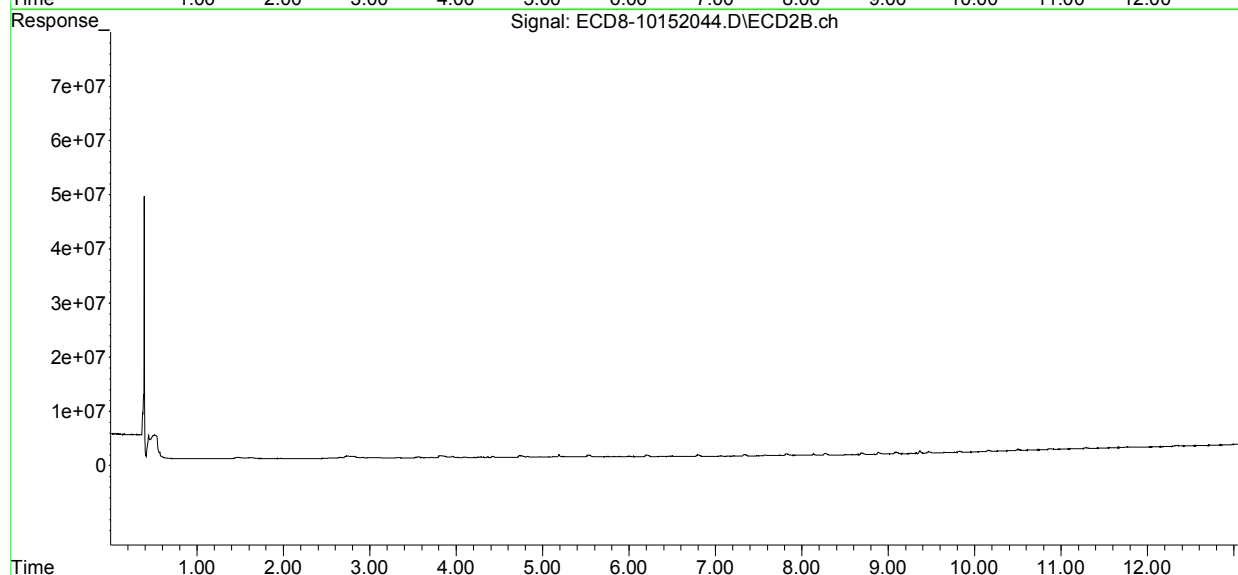
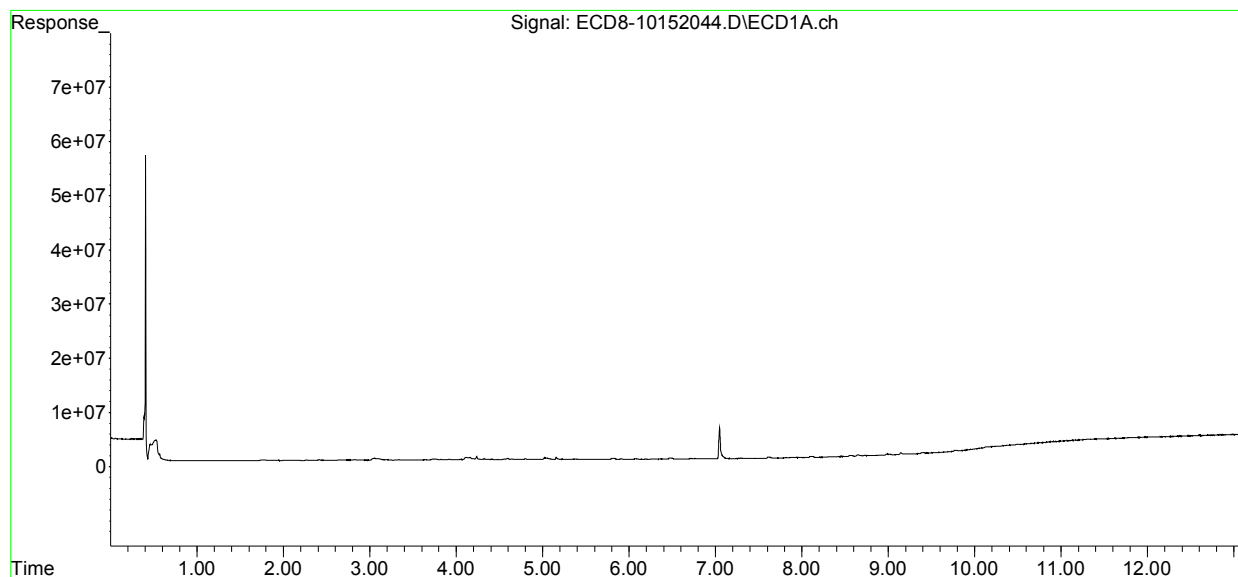
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.284	8.753	23719	7853	0.006	0.002 #
31)	Mirex	8.958	9.633	12573	19182	BelowCal	BelowCal
32)	Chlordane...	7.719	8.100	33114	22847	0.080	0.047 #
33)	Chlordane...	7.819	8.213	75657	39711	0.180	0.096 #
34)	Chlordane...	8.378	8.884	18243	367401	0.141	2.716 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.443	75657	16033	5.086	0.422 #
37)	Toxaphene...	8.099	8.796	195011	14310	5.920	0.304 #
38)	Toxaphene...	8.410	8.837	18688	25647	0.270	0.365 #
39)	Toxaphene...	8.643	8.884	254022	367401	3.413	3.084
40)	Toxaphene...	8.890	9.080	23886	274885	0.402	3.990 #
41)	Toxaphene...	8.958	9.424	12573	30345	0.187	0.405 #
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\2020-10\0J15061\
Data File : ECD8-10152044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 4:59
Operator : MJB
Sample : 0J15061-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 11:32:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152045.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 5:16
 Operator : MJB
 Sample : 0J15061-ICV4
 Misc : A20F067, TOX 500 ppb
 ALS Vial : 39 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 11:33:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.684	5.981	14542	12405	0.004	0.003
22) S	DCBP (S)	9.909	10.484f	792915	1003272	0.058	0.415 #
Target Compounds							
2)	a-BHC	6.232	6.583	70611	63825	0.015	0.012
3)	g-BHC	6.520	6.893	55481	162404	0.014	0.035 #
4)	b-BHC	6.612	6.954	56682	277447	0.036	0.142 #
5)	Heptachlor	6.926	7.283	215099	386556	0.053	0.084 #
6)	d-BHC	6.758	7.216	178022	329315	0.116	0.149 #
7)	Aldrin	7.166	7.567f	686350	1264117	0.175	0.296 #
8)	Heptachlo...	7.637	7.968	2670273	4611090	0.730	1.148 #
9)	trans-Chl...	7.704	8.092	4046000	5672914	1.099	1.425 #
10)	cis-Chlor...	7.803	8.197	7579824	5867289	2.093	1.512 #
11)	Endosulfa...	7.931	8.276	11351357	7392687	3.337	2.056 #
12)	4,4'-DDE	7.882	8.304	3953943	8257589	1.255	2.475 #
13)	Dieldrin	8.099	8.483	16858474	9972842	4.487	2.616 #
14)	Endrin	8.281	8.685	23963695	19987601	8.738	7.633
15)	4,4'-DDD	8.295	8.738	21684440	12840832	7.973	4.456 #
16)	Endosulfa...	8.419	8.823	36235359	34858023	12.302	10.706
17)	4,4'-DDT	8.503	8.952	34384470	14780020	13.476	5.469 #
18)	Endrin Al...	8.705	9.069	25233104	36164633	8.591	12.031 #
19)	Endosulfa...	9.025	9.263	16327506	15569627	5.463	4.686
20)	Methoxychlor	8.815	9.442	23378798	38435131	16.983	26.099 #
21)	Endrin Ke...	9.214	9.684f	10335766	8207182	2.795	2.101
23)	Hexachlor...	0.000	3.717	0	20508	N.D.	BelowCal
24)	Hexachlor...	0.000	6.450	0	29364	N.D.	0.007 #
25)	Oxychlorane	7.557	7.917	5382675	4332117	1.653	1.214 #
26)	2,4'-DDE	7.637	8.092	2670273	5672914	1.240	2.306 #
27)	trans-Non...	7.803	8.197f	7579824	5867289	2.079	1.467 #
28)	2,4'-DDD	8.000	8.483	6603128	9972842	3.399	4.360 #
29)	2,4'-DDT	8.163	8.685	18268845	19987601	8.401	9.288

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152045.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 5:16
 Operator : MJB FRONT COLUMN: 517.24
 Sample : 0J15061-ICV4 REAR COLUMN: 509.25
 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: Oct 21 11:33:05 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

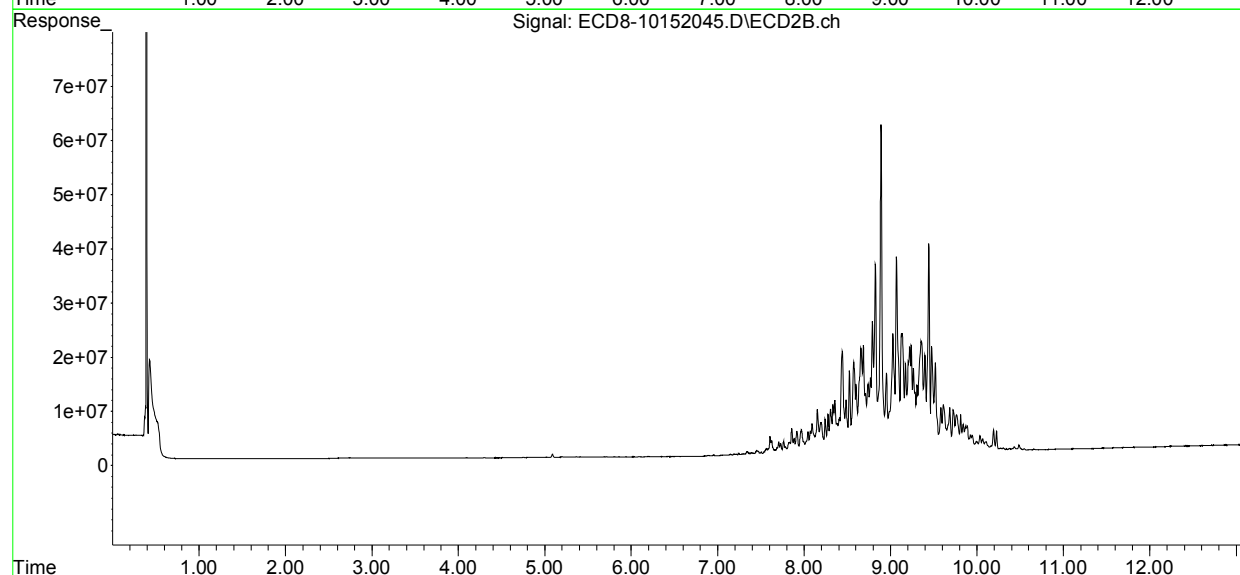
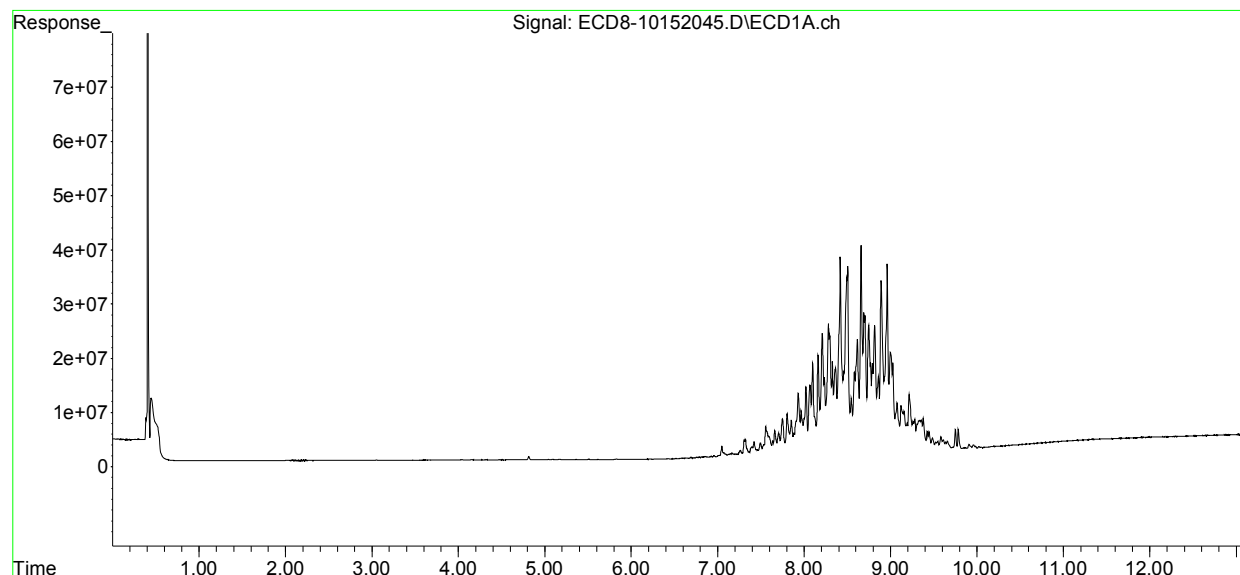
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.281	8.738	23963695	12840832	6.006	2.958 #
31)	Mirex	8.962	9.610f	34649295	8673088	14.401	3.291 #
32)	Chlordane...	7.704	8.092	4046000	5672914	9.822	11.645
33)	Chlordane...	7.803	8.197	7579824	5867289	18.083	14.172
34)	Chlordane...	8.363	8.891f	15731669	60630319	121.992	448.283 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.803	8.443	7579824	18874566	509.507	496.626
37)	Toxaphene...	8.099	8.791	16858474	24330413	511.814	516.083
38)	Toxaphene...	8.419	8.823	36235359	34858023	522.700	495.617
39)	Toxaphene...	8.656	8.891	38190543	60630319	513.172	508.932
40)	Toxaphene...	8.891	9.069	31557556	36164633	531.601	524.959
41)	Toxaphene...	8.962	9.442	34649295	38435131	514.656	513.278
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 5:16
Operator : MJB
Sample : 0J15061-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: Oct 21 11:33:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:32
 Operator : MJB
 Sample : 0J15061-CAL1
 Misc : A20J274, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						Not used in calibration
1) S TCMX (S)	5.683	5.990	1964465	2094674	0.555	0.524
22) S DCBP (S)	9.904	10.506	1866301	1410803	0.491	0.583
Target Compounds						
2) a-BHC	6.233	6.585	2328682	2455359	0.494	0.459
3) g-BHC	6.521	6.901	2071350	2228225	0.515	0.479
4) b-BHC	6.608	6.970	816885	1065650	0.523	0.545
5) Heptachlor	6.920	7.274	2088406	2266099	0.515	0.495
6) d-BHC	6.761	7.218	1397611	1816056	0.513	0.517
7) Aldrin	7.163	7.538	1983865	1985635	0.505	0.465
8) Heptachlo...	7.633	7.973	1984641	2034040	0.543	0.506
9) trans-Chl...	7.727	8.112	1925594	1969558	0.523	0.495
10) cis-Chlor...	7.824	8.219	1943677	1990595	0.537	0.513
11) Endosulfa...	7.928	8.269	1806599	1819190	0.531	0.506
12) 4,4'-DDE	7.880	8.323	1488674	1588759	0.472	0.517
13) Dieldrin	8.101	8.467	1890452	1903893	0.503	0.514
14) Endrin	8.271	8.691	1343181	1241690	0.490	0.507
15) 4,4'-DDD	8.309	8.736	1338233	1460301	0.492	0.512
16) Endosulfa...	8.435	8.839	1532660	1655922	0.520	0.509
17) 4,4'-DDT	8.503	8.959	1202509	1227833	0.514	0.519
18) Endrin Al...	8.729	9.073	2173619	2196243	0.465	0.481
19) Endosulfa...	9.033	9.266	1731826	1864404	0.579	0.561
20) Methoxychlor	8.835	9.425	712510	771752	0.518	0.499
21) Endrin Ke...	9.235	9.657	2069188	7722012	0.560	1.977 #
23) Hexachlor...	3.472	3.715	8726	48172	BelowCal	BelowCal
24) Hexachlor...	6.071	6.453	37373	41459	0.011	0.010
25) Oxychlorane	7.565	7.905	47936	18314	0.015	0.005 #
26) 2,4'-DDE	7.633	8.087	1984641	8624	0.922	0.004 #
27) trans-Non...	7.824	0.000	1943677	0	0.533	N.D. #
28) 2,4'-DDD	0.000	8.467	0	1903893	N.D.	0.832 #
29) 2,4'-DDT	8.183	8.691	19054	1241690	0.009	0.457 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:32
 Operator : MJB
 Sample : 0J15061-CAL1
 Misc : A20J274, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

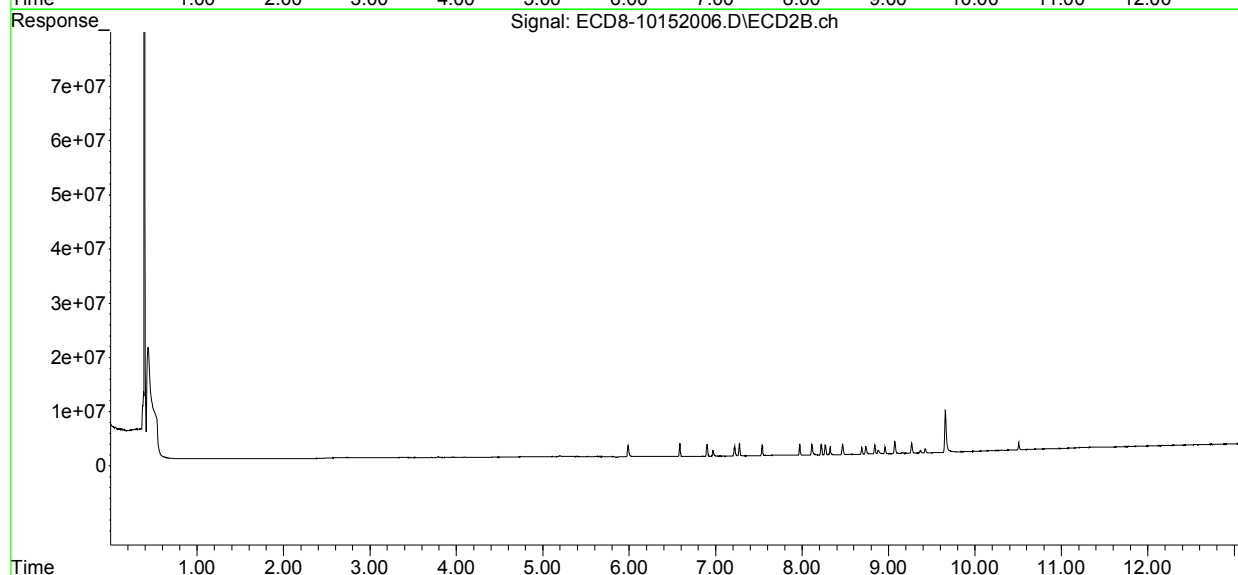
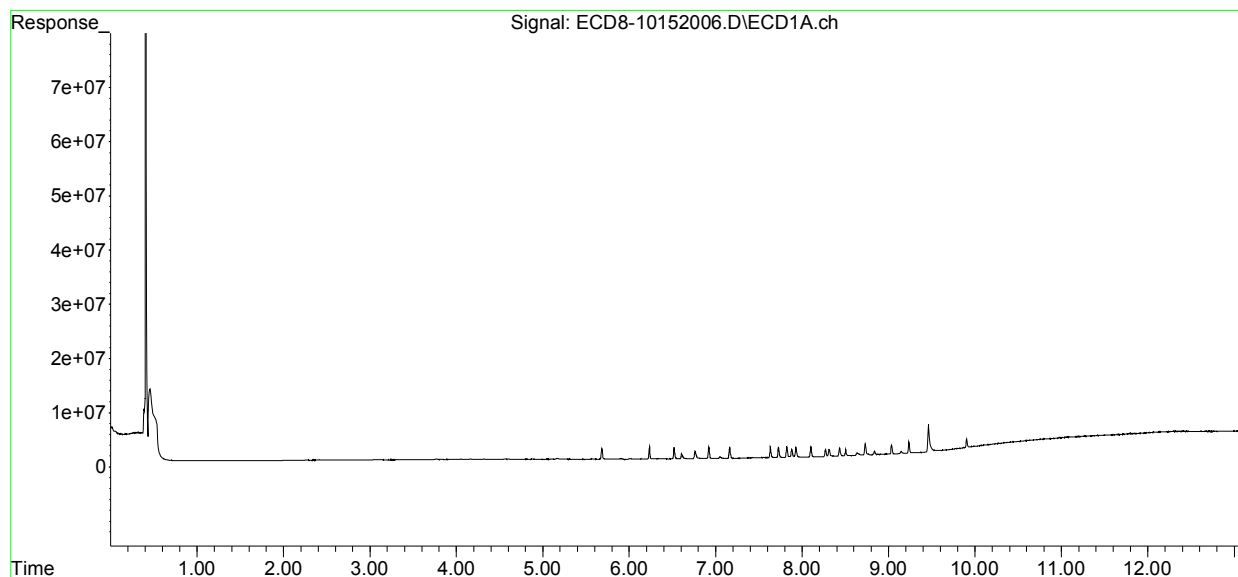
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.271	8.736	1343181	1460301	0.337	0.336
31)	Mirex	8.964	9.657	18052	7722012	BelowCal	2.894
32)	Chlordane...	7.727	8.112	1925594	1969558	4.674	4.043
33)	Chlordane...	7.824	8.219	1943677	1990595	4.637	4.808
34)	Chlordane...	8.371	8.881	44774	620143	0.347	4.585 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.824f	8.429	1943677	10558	130.652	0.278 #
37)	Toxaphene...	8.101	8.802	1890452	49833	57.393	1.057 #
38)	Toxaphene...	8.435	8.839	1532660	1655922	22.109	23.544
39)	Toxaphene...	8.637f	8.881	453626	620143	6.095	5.205
40)	Toxaphene...	8.890	9.073	12954	2196243	0.218	31.880 #
41)	Toxaphene...	8.964	9.425	18052	771752	0.268	10.306 #
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\2020-10\0J15061\REQUANT\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:48
 Operator : MJB
 Sample : 0J15061-CAL2
 Misc : A20J275, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.990	3675375	3996914	1.039	0.999
22) S DCBP (S)	9.903	10.505	3197716	2586506	1.028	1.069
Target Compounds						
2) a-BHC	6.233	6.585	4586018	4866992	0.973	0.910
3) g-BHC	6.520	6.900	3906552	4265430	0.971	0.917
4) b-BHC	6.607	6.969	1540562	1994989	0.987	1.020
5) Heptachlor	6.919	7.273	4125267	4334823	1.016	0.947
6) d-BHC	6.760	7.217	2771438	3592643	0.960	0.957
7) Aldrin	7.161	7.537	3890178	3922163	0.990	0.919
8) Heptachlo...	7.632	7.972	3780245	3912347	1.034	0.974
9) trans-Chl...	7.726	8.112	3633454	3716881	0.987	0.934
10) cis-Chlor...	7.823	8.219	3710813	3697197	1.024	0.953
11) Endosulfa...	7.927	8.269	3420833	3424701	1.006	0.952
12) 4,4'-DDE	7.878	8.323	2806594	3083622	0.891	0.957
13) Dieldrin	8.100	8.467	3676591	3654098	0.979	0.971
14) Endrin	8.270	8.690	2564407	2521951	0.935	1.001
15) 4,4'-DDD	8.307	8.736	2561702	2804997	0.942	0.982
16) Endosulfa...	8.433	8.838	2928662	3080696	0.994	0.946
17) 4,4'-DDT	8.501	8.959	2340699	2447680	0.969	0.970
18) Endrin Al...	8.728	9.072	3907593	3815413	1.076	1.037
19) Endosulfa...	9.032	9.266	3157154	3258540	1.056	0.981
20) Methoxychlor	8.833	9.424	1332109	1490489	0.968	1.011
21) Endrin Ke...	9.234	9.657	3789042	4169368	1.025	1.067
23) Hexachlor...	3.482	3.714	11899	54077	BelowCal	BelowCal
24) Hexachlor...	6.070	6.453	85829	89183	0.025	0.022
25) Oxychlorane	7.564	7.899	41690	25198	0.013	0.007 #
26) 2,4'-DDE	7.632	8.112	3780245	3716881	1.755	1.511
27) trans-Non...	7.823	0.000	3710813	0	1.018	N.D. #
28) 2,4'-DDD	8.003	8.467	32693	3654098	0.017	1.598 #
29) 2,4'-DDT	8.185	8.690	22619	2521951	0.010	1.070 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:48
 Operator : MJB
 Sample : 0J15061-CAL2
 Misc : A20J275, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

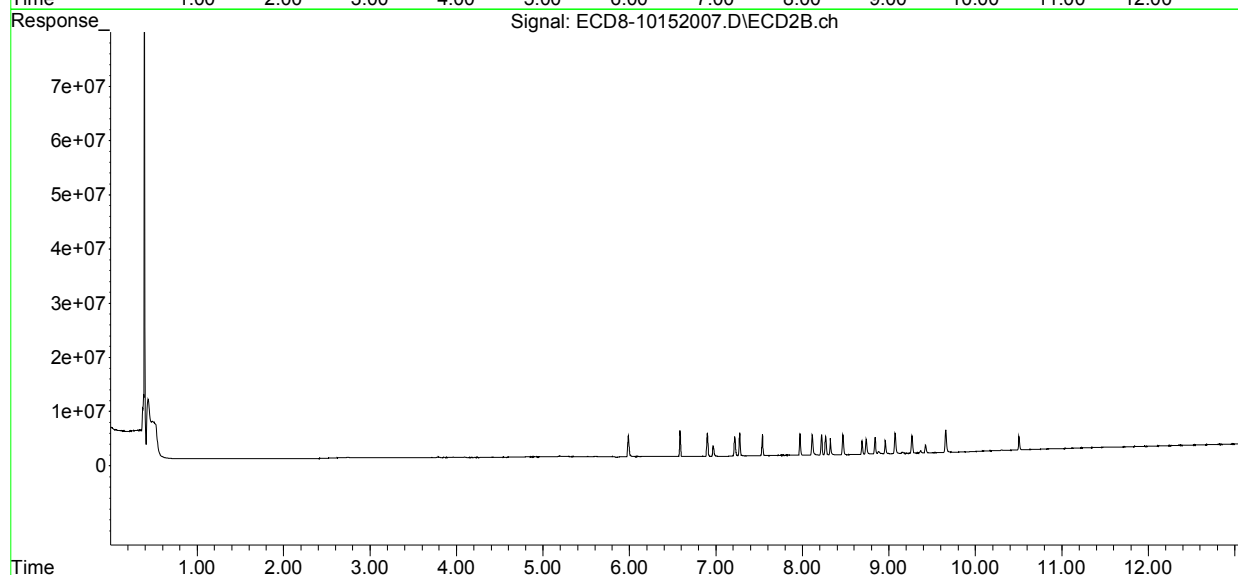
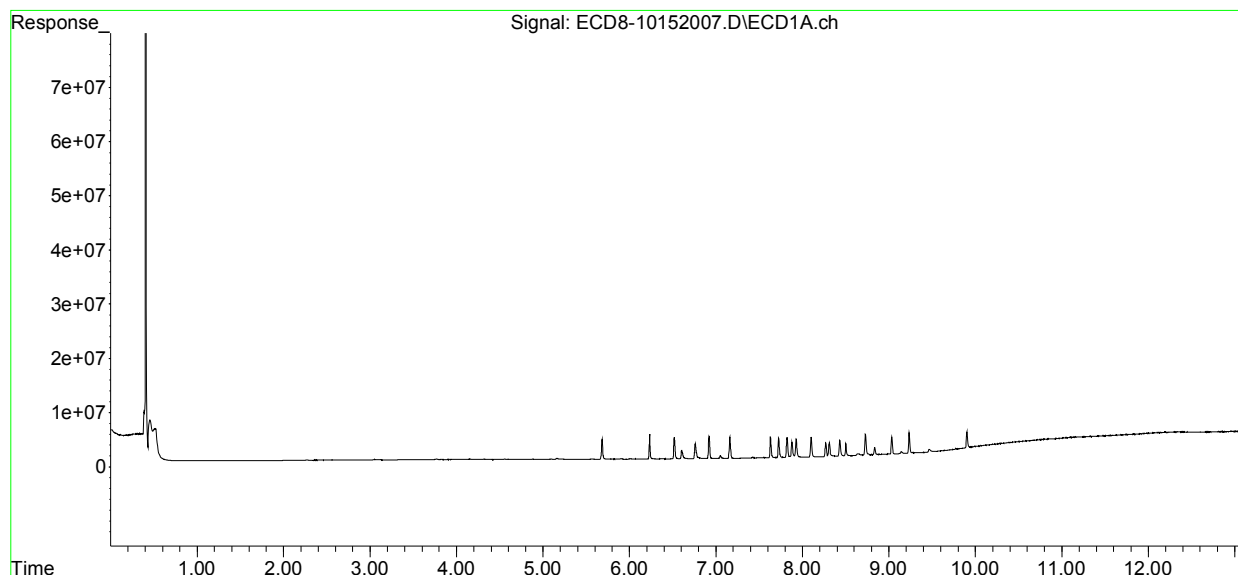
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.270	8.736	2564407	2804997	0.643	0.646
31)	Mirex	8.969	9.657	14063	4169368	BelowCal	1.411
32)	Chlordane...	7.726	8.112	3633454	3716881	8.820	7.630
33)	Chlordane...	7.823	8.219	3710813	3697197	8.853	8.930
34)	Chlordane...	0.000	8.882	0	448677	N.D.	3.317 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.823	8.467f	3710813	3654098	249.437	96.146 #
37)	Toxaphene...	8.100	0.000	3676591	0	111.619	N.D. #
38)	Toxaphene...	8.433	8.838	2928662	3080696	42.246	43.802
39)	Toxaphene...	8.637f	8.882	295960	448677	3.977	3.766
40)	Toxaphene...	8.883	9.072	23351	3815413	0.393	55.384 #
41)	Toxaphene...	8.969	9.424	14063	1490489	0.209	19.905 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:48
Operator : MJB
Sample : 0J15061-CAL2
Misc : A20J275, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:05
 Operator : MJB
 Sample : 0J15061-CAL3
 Misc : A20H471, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	5.990	6974987	7527988	1.972	1.882
22) S DCBP (S)	9.902	10.505	5701683	4791544	2.038	1.981
Target Compounds						
2) a-BHC	6.233	6.585	9063124	9584271	1.924	1.792
3) g-BHC	6.520	6.900	7694107	8481393	1.912	1.824
4) b-BHC	6.604	6.968	3020188	3743280	1.935	1.913
5) Heptachlor	6.919	7.274	7834074	8356845	1.930	1.826
6) d-BHC	6.758	7.216	5908930	7521244	1.978	1.927
7) Aldrin	7.162	7.536	7559480	7805224	1.925	1.828
8) Heptachlo...	7.631	7.971	7111174	7501012	1.945	1.868
9) trans-Chl...	7.725	8.111	7224345	7196150	1.962	1.808
10) cis-Chlor...	7.822	8.217	6946216	7123870	1.918	1.836
11) Endosulfa...	7.926	8.268	6845706	6450502	2.013	1.794
12) 4,4'-DDE	7.875	8.320	5832058	6467389	1.851	1.951
13) Dieldrin	8.099	8.466	7217877	7205936	1.921	1.897
14) Endrin	8.269	8.690	5198958	4965041	1.896	1.940
15) 4,4'-DDD	8.305	8.734	5108732	5453646	1.878	1.903
16) Endosulfa...	8.431	8.836	5775620	5953424	1.961	1.828
17) 4,4'-DDT	8.499	8.957	4776266	4865206	1.941	1.861
18) Endrin Al...	8.726	9.071	7357293	7179367	2.292	2.189
19) Endosulfa...	9.031	9.265	5905541	6267396	1.976	1.886
20) Methoxychlor	8.831	9.424	2713959	2917738	1.972	2.024
21) Endrin Ke...	9.233	9.655	7274419	7194544	1.967	1.842
23) Hexachlor...	3.474	3.716	4791	34774	BelowCal	BelowCal
24) Hexachlor...	6.068	6.451	65431	17657	0.019	0.004 #
25) Oxychlorane	7.566	7.888	48596	73763	0.015	0.021 #
26) 2,4'-DDE	7.631	8.111	7111174	7196150	3.302	2.926
27) trans-Non...	7.822	8.175	6946216	65707	1.906	0.016 #
28) 2,4'-DDD	8.034f	8.466	36699	7205936	0.019	3.150 #
29) 2,4'-DDT	8.184	8.690	30346	4965041	0.014	2.236 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:05
 Operator : MJB
 Sample : 0J15061-CAL3
 Misc : A20H471, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:27 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

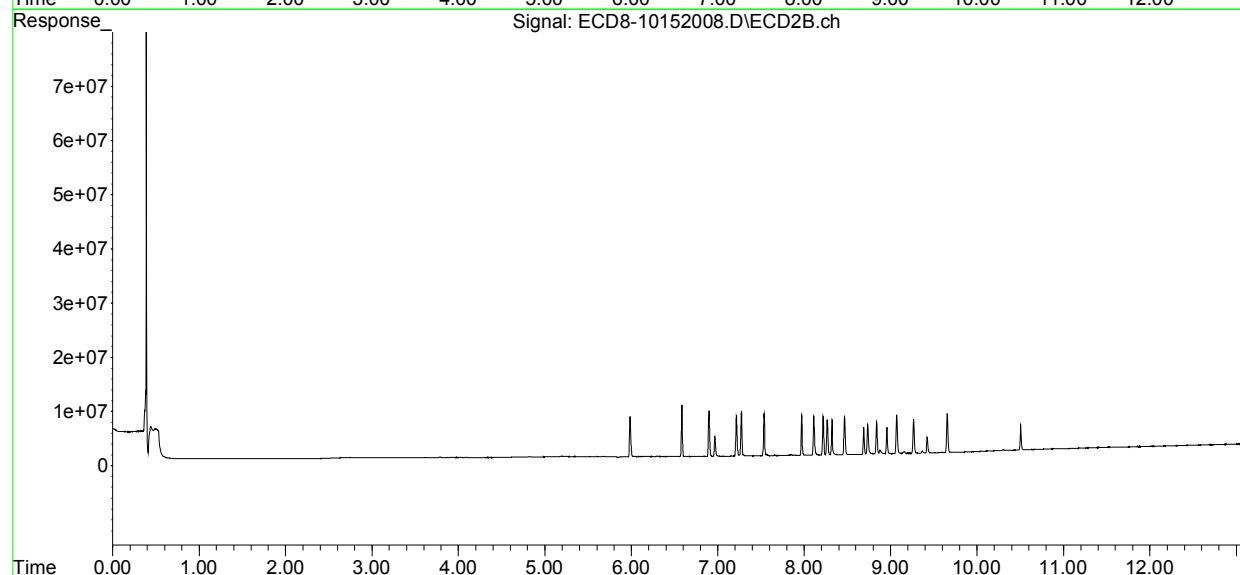
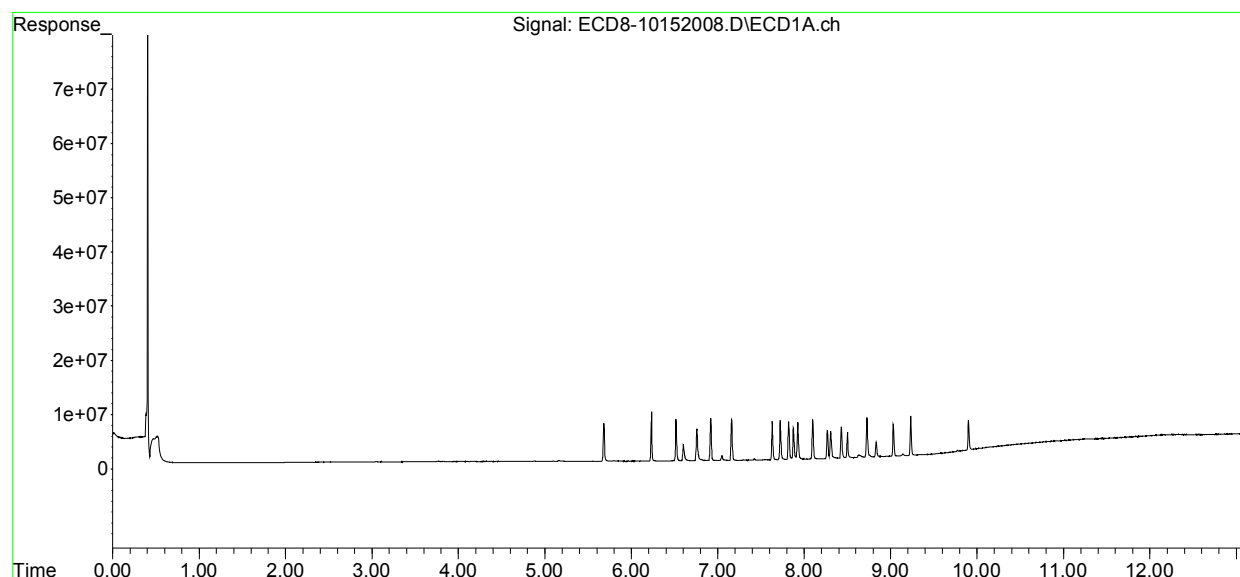
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.269	8.734	5198958	5453646	1.303	1.257
31)	Mirex	8.961	9.655	32360	7194544	BelowCal	2.674
32)	Chlordane...	7.725	8.111	7224345	7196150	17.537	14.772
33)	Chlordane...	7.822	8.217	6946216	7123870	16.572	17.207
34)	Chlordane...	8.398	8.878	38979	707915	0.302	5.234 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.822	8.431	6946216	7391	466.917	0.194 #
37)	Toxaphene...	8.099	0.000	7217877	0	219.131	N.D. #
38)	Toxaphene...	8.431	8.836	5775620	5953424	83.314	84.647
39)	Toxaphene...	8.632f	8.878	493164	707915	6.627	5.942
40)	Toxaphene...	8.898	9.071	24194	7179367	0.408	104.214 #
41)	Toxaphene...	8.961	9.424	32360	2917738	0.481	38.965 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 19:05
Operator : MJB
Sample : 0J15061-CAL3
Misc : A20H471, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:21
 Operator : MJB
 Sample : 0J15061-CAL4
 Misc : A20H472, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	5.990	16956681	18484065	4.795	4.620
22) S DCBP (S)	9.902	10.505	12863204	11283832	4.926	4.664
Target Compounds						
2) a-BHC	6.233	6.585	22751844	25276916	4.829	4.726
3) g-BHC	6.521	6.900	18571945	21316708	4.615	4.584
4) b-BHC	6.605	6.968	6967859	8823163	4.464	4.509
5) Heptachlor	6.920	7.274	19135941	20724830	4.715	4.528
6) d-BHC	6.759	7.216	14723164	19014583	4.816	4.743
7) Aldrin	7.163	7.537	19043093	19417167	4.848	4.548
8) Heptachlo...	7.633	7.971	17849960	18369288	4.882	4.574
9) trans-Chl...	7.725	8.111	17399945	18128038	4.725	4.555
10) cis-Chlor...	7.823	8.218	17370803	17821595	4.796	4.594
11) Endosulfa...	7.927	8.268	16393128	16389737	4.820	4.557
12) 4,4'-DDE	7.876	8.320	14353371	15866253	4.555	4.690
13) Dieldrin	8.100	8.466	18084070	18768975	4.814	4.892
14) Endrin	8.270	8.689	12643881	12382702	4.611	4.769
15) 4,4'-DDD	8.306	8.734	12317174	13730751	4.529	4.761
16) Endosulfa...	8.432	8.836	13817746	14467378	4.691	4.443
17) 4,4'-DDT	8.500	8.958	11690217	12754125	4.680	4.738
18) Endrin Al...	8.726	9.071	14781149	15071497	4.908	4.885
19) Endosulfa...	9.031	9.265	13964857	14969553	4.673	4.505
20) Methoxychlor	8.832	9.423	6325525	6672527	4.595	4.670
21) Endrin Ke...	9.234	9.655	18023751	17644405	4.874	4.517
23) Hexachlor...	3.478	3.716	8052	33249	BelowCal	BelowCal
24) Hexachlor...	6.070	6.454	55293	35397	0.016	0.009 #
25) Oxychlorane	7.567	7.886	98221	75224	0.030	0.021 #
26) 2,4'-DDE	7.633	8.111	17849960	18128038	8.289	7.370
27) trans-Non...	7.823	8.173	17370803	104482	4.765	0.026 #
28) 2,4'-DDD	0.000	8.466	0	18768975	N.D.	8.206 #
29) 2,4'-DDT	8.180	8.689	60601	12382702	0.028	5.742 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:21
 Operator : MJB
 Sample : 0J15061-CAL4
 Misc : A20H472, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:36 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

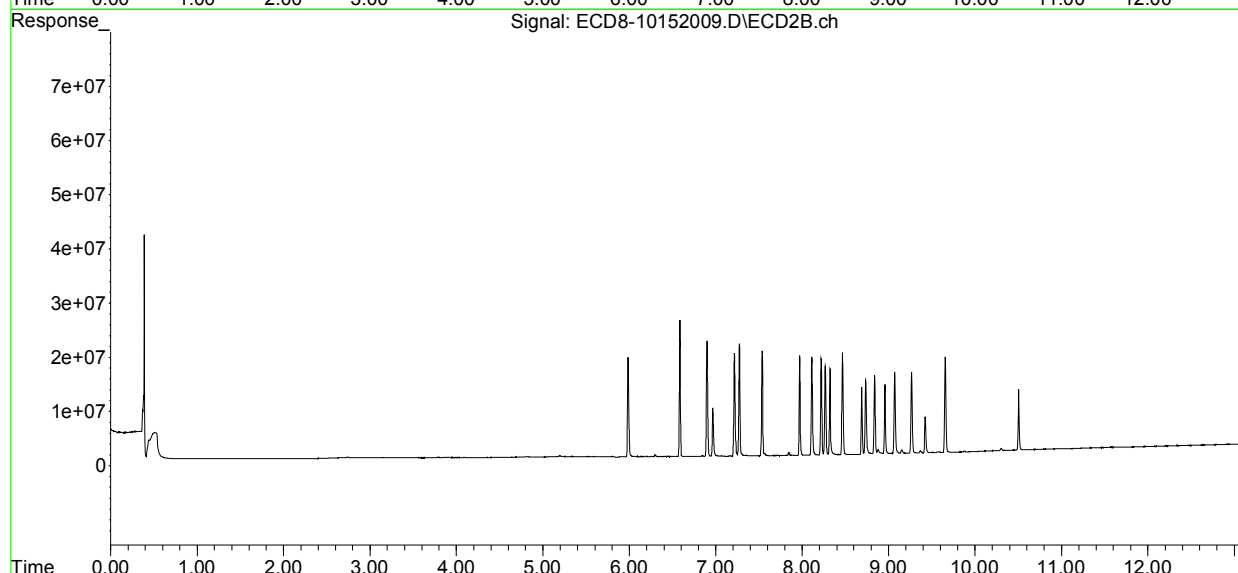
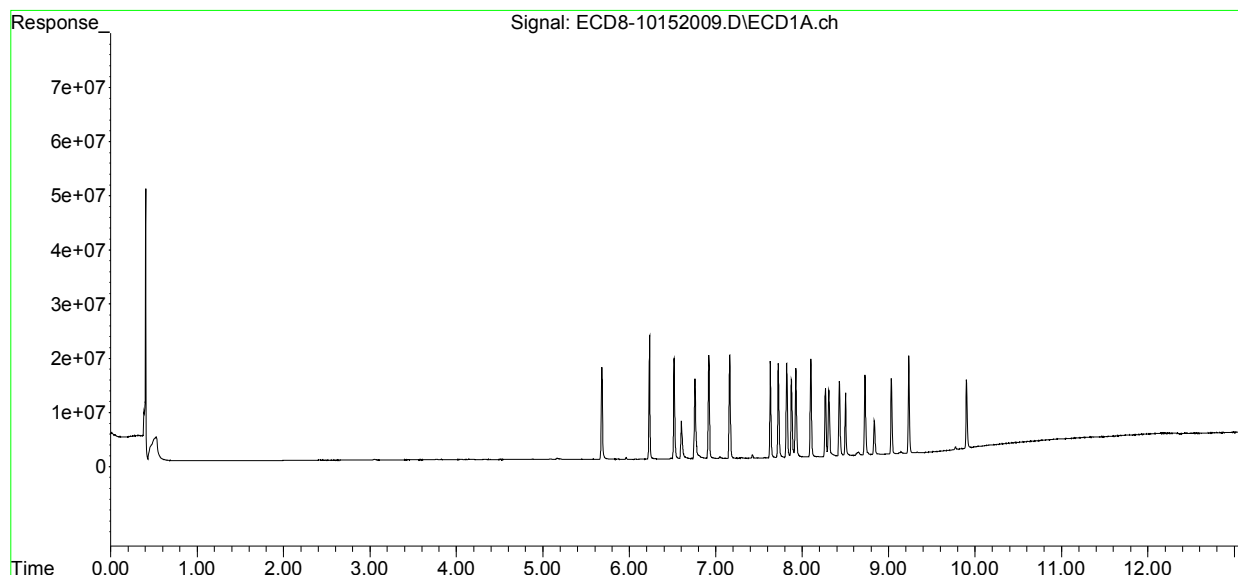
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.270	8.734	12643881	13730751	3.169	3.164
31)	Mirex	8.959	9.655	22892	17644405	BelowCal	7.023
32)	Chlordane...	7.725	8.111	17399945	18128038	42.238	37.213
33)	Chlordane...	7.823	8.218	17370803	17821595	41.442	43.047
34)	Chlordane...	0.000	8.879	0	762586	N.D.	5.638 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.823	8.424	17370803	38904	1167.646	1.024 #
37)	Toxaphene...	8.100	0.000	18084070	0	549.022	N.D. #
38)	Toxaphene...	8.432	8.836	13817746	14467378	199.323	205.699
39)	Toxaphene...	8.650	8.879	670904	762586	9.015	6.401 #
40)	Toxaphene...	8.884	9.071	106803	15071497	1.799	218.775 #
41)	Toxaphene...	8.959	9.423	22892	6672527	0.340	89.108 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 19:21
Operator : MJB
Sample : 0J15061-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:38
 Operator : MJB
 Sample : 0J15061-CAL5
 Misc : A20H473, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	5.989	33785802	37691189	9.554	9.421
22) S DCBP (S)	9.902	10.504	25663363	22219920	10.082	9.184
Target Compounds						
2) a-BHC	6.233	6.584	45945237	51661582	9.752	9.658
3) g-BHC	6.520	6.900	39002587	45048871	9.691	9.687
4) b-BHC	6.603	6.967	14251469	17799613	9.131	9.097
5) Heptachlor	6.919	7.273	39173115	44108090	9.652	9.637
6) d-BHC	6.757	7.215	30313826	40912398	9.767	10.027
7) Aldrin	7.161	7.536	39135359	41106892	9.963	9.629
8) Heptachlo...	7.631	7.971	35393917	38488002	9.681	9.584
9) trans-Chl...	7.725	8.111	35298078	37624061	9.585	9.453
10) cis-Chlor...	7.822	8.218	35411410	37266618	9.776	9.606
11) Endosulfa...	7.926	8.267	32830959	34291287	9.653	9.535
12) 4,4'-DDE	7.875	8.320	30250769	33692294	9.600	9.799
13) Dieldrin	8.099	8.466	37548230	38676878	9.995	9.988
14) Endrin	8.269	8.689	25971387	24972648	9.471	9.491
15) 4,4'-DDD	8.305	8.733	25608106	29438067	9.416	10.096
16) Endosulfa...	8.431	8.835	28511350	30118924	9.680	9.250
17) 4,4'-DDT	8.499	8.957	25096147	26962252	9.911	9.807
18) Endrin Al...	8.725	9.070	27881516	29477669	9.524	9.774
19) Endosulfa...	9.030	9.264	28097911	30451627	9.402	9.165
20) Methoxychlor	8.832	9.423	12655213	14104841	9.193	9.834
21) Endrin Ke...	9.232	9.654	35605046	36555813	9.629	9.358
23) Hexachlor...	3.475	3.717	10195	35516	BelowCal	BelowCal
24) Hexachlor...	6.070	6.453	72562	31391	0.021	0.008 #
25) Oxychlorane	7.565	7.890	181867	83246	0.056	0.023 #
26) 2,4'-DDE	7.631	8.111	35393917	37624061	16.436	15.297
27) trans-Non...	7.822	8.174	35411410	184607	9.715	0.046 #
28) 2,4'-DDD	0.000	8.466	0	38676878	N.D.	16.910 #
29) 2,4'-DDT	8.182	8.689	129283	24972648	0.059	11.586 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:38
 Operator : MJB
 Sample : 0J15061-CAL5
 Misc : A20H473, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:46 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

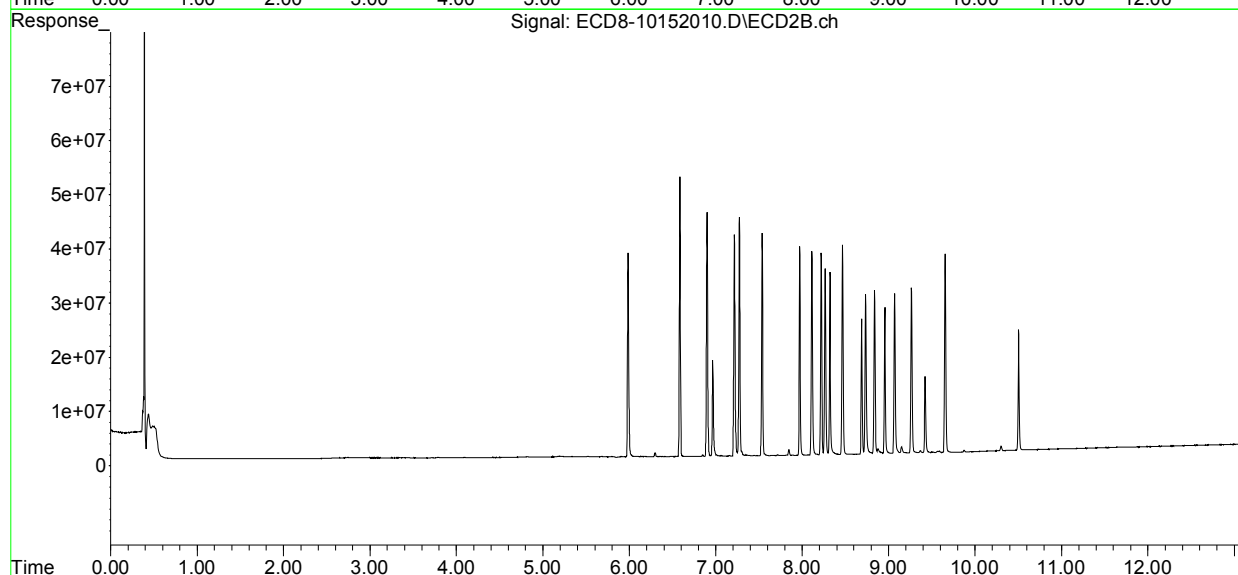
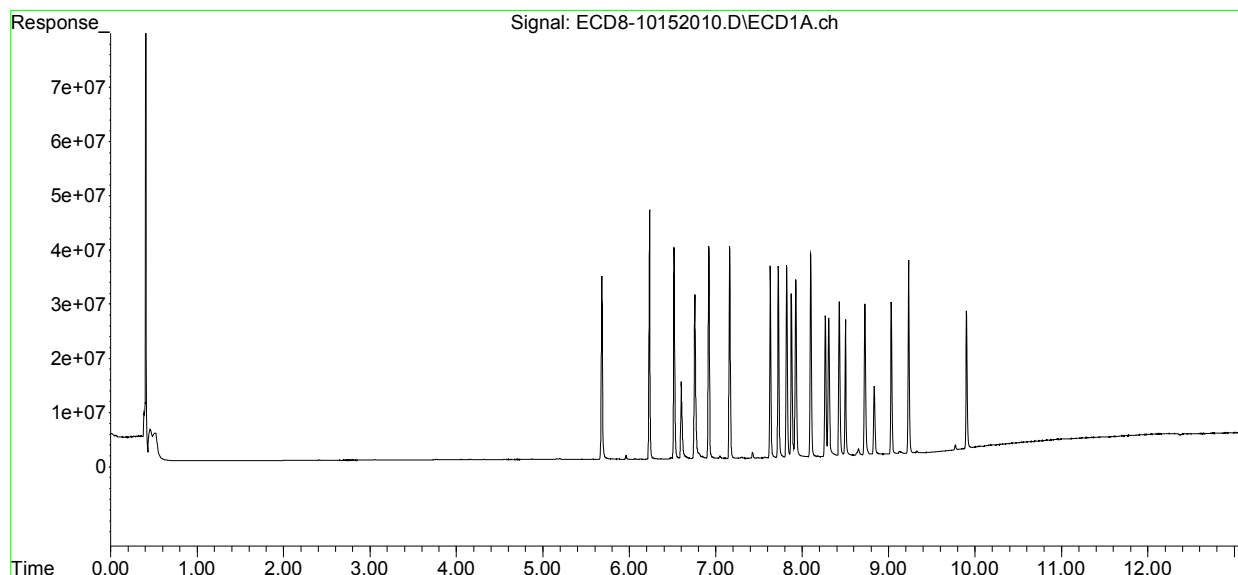
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.269	8.733	25971387	29438067	6.509	6.782
31)	Mirex	8.963	9.654	40708	36555813	BelowCal	14.835
32)	Chlordane...	7.725	8.111	35298078	37624061	85.685	77.235
33)	Chlordane...	7.822	8.218	35411410	37266618	84.482	90.016
34)	Chlordane...	0.000	8.878	0	894100	N.D.	6.611 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.822	8.466f	35411410	38676878	2380.315	1017.664 #
37)	Toxaphene...	8.099	0.000	37548230	0	1139.944	N.D. #
38)	Toxaphene...	8.431	8.835	28511350	30118924	411.280	428.235
39)	Toxaphene...	8.649	8.878	1197276	894100	16.088	7.505 #
40)	Toxaphene...	0.000	9.070	0	29477669	N.D.	427.892 #
41)	Toxaphene...	8.963	9.423	40708	14104841	0.605	188.362 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 19:38
Operator : MJB
Sample : 0J15061-CAL5
Misc : A20H473, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:54
 Operator : MJB
 Sample : 0J15061-CAL6
 Misc : A20H474, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	5.989	86612386	97518197	24.492	24.374
22) S DCBP (S)	9.902	10.504	62318460	56260952	24.812	23.255
Target Compounds						
2) a-BHC	6.233	6.585	120.1E6	137.7E6	25.488	25.736
3) g-BHC	6.520	6.900	100.3E6	118.2E6	24.928	25.420
4) b-BHC	6.601	6.966	38003561	46171935	24.348	23.598
5) Heptachlor	6.919	7.273	101.7E6	114.2E6	25.052	24.951
6) d-BHC	6.755	7.215	82864455	109.6E6	25.850	25.955
7) Aldrin	7.161	7.536	97817805	109.3E6	24.903	25.592
8) Heptachlo...	7.631	7.971	89599740	99299787	24.507	24.727
9) trans-Chl...	7.724	8.111	91365998	97950589	24.810	24.609
10) cis-Chlor...	7.821	8.217	88782494	95308938	24.510	24.566
11) Endosulfa...	7.925	8.267	83964035	90769540	24.686	25.239
12) 4,4'-DDE	7.874	8.320	79179643	92501534	25.128	25.932
13) Dieldrin	8.099	8.466	93635281	103.9E6	24.924	26.176
14) Endrin	8.269	8.689	68701409	70747094	25.052	25.899
15) 4,4'-DDD	8.304	8.733	67884289	76853167	24.961	25.550
16) Endosulfa...	8.431	8.836	72694490	79168334	24.680	24.315
17) 4,4'-DDT	8.499	8.957	68705008	76033637	26.261	26.346
18) Endrin Al...	8.726	9.070	68571764	73274578	23.861	24.407
19) Endosulfa...	9.030	9.264	71990912	78726299	24.088	23.693
20) Methoxychlor	8.831	9.422	32595572	37809034	23.679	25.691
21) Endrin Ke...	9.232	9.655	88349751	93392767	23.892	23.909
23) Hexachlor...	0.000	3.716	0	40736	N.D.	BelowCal
24) Hexachlor...	6.069	6.445	187720	31011	0.056	0.008 #
25) Oxychlorane	7.565	7.886	428478	102845	0.132	0.029 #
26) 2,4'-DDE	7.631	8.111	89599740	97950589	41.609	39.825
27) trans-Non...	7.821	8.175	88782494	362727	24.356	0.091 #
28) 2,4'-DDD	0.000	8.466	0	103.9E6	N.D.	45.407 #
29) 2,4'-DDT	8.180	8.689	293338	70747094	0.135	31.823 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:54
 Operator : MJB
 Sample : 0J15061-CAL6
 Misc : A20H474, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:30:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

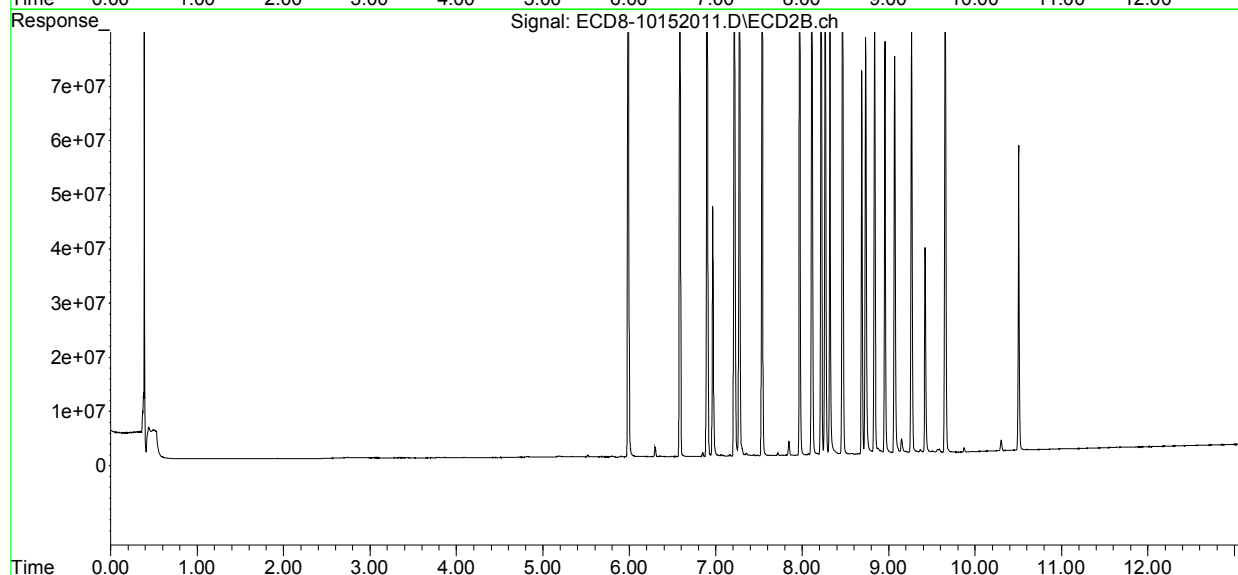
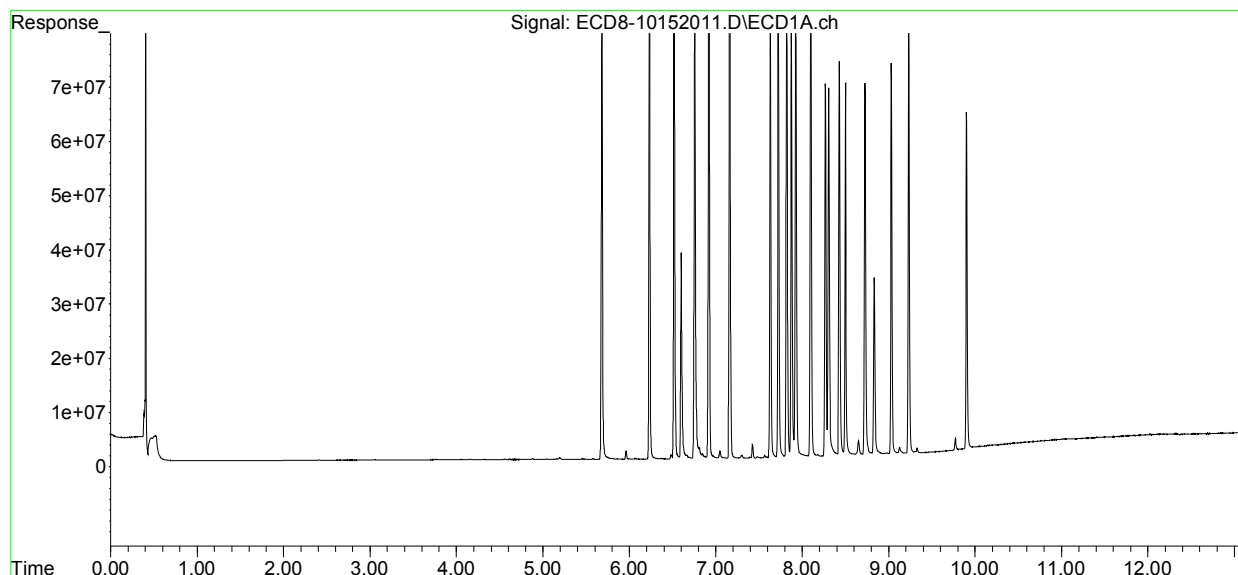
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.269	8.733	68701409	76853167	17.219	17.707
31)	Mirex	8.963	9.655	104068	93392767	BelowCal	37.883
32)	Chlordane...	7.724	8.111	91365998	97950589	221.788	201.073
33)	Chlordane...	7.821	8.217	88782494	95308938	211.811	230.214
34)	Chlordane...	0.000	8.878	0	1038872	N.D.	7.681 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.821	8.466f	88782494	103.9E6	5967.860	2732.677 #
37)	Toxaphene...	8.099	0.000	93635281	0	2842.716	N.D. #
38)	Toxaphene...	8.431	8.836	72694490	79168334	1048.629	1125.627
39)	Toxaphene...	8.649	8.878	2575177	1038872	34.603	8.720 #
40)	Toxaphene...	8.877	9.070	579947	73274578	9.769	1063.639 #
41)	Toxaphene...	8.963	9.422	104068	37809034	1.546	504.917 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 19:54
Operator : MJB
Sample : 0J15061-CAL6
Misc : A20H474, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:30:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:11
 Operator : MJB
 Sample : 0J15061-CAL7
 Misc : A20H475, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:31:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.990	171.3E6	202.3E6	48.444	50.565
22) S DCBP (S)	9.903	10.506	121.6E6	112.4E6	48.516	46.473
Target Compounds						
2) a-BHC	6.234	6.585	237.8E6	276.4E6	50.473	51.676
3) g-BHC	6.520	6.900	199.7E6	242.4E6	49.621	52.132
4) b-BHC	6.601	6.966	77551148	98666610	49.685	50.427
5) Heptachlor	6.919	7.273	197.0E6	235.2E6	48.534	51.388
6) d-BHC	6.755	7.215	170.5E6	227.1E6	50.904	51.316
7) Aldrin	7.162	7.537	193.9E6	228.4E6	49.359	53.499
8) Heptachlo...	7.631	7.971	175.7E6	201.0E6	48.059	50.063
9) trans-Chl...	7.723	8.110	183.0E6	206.2E6	49.697	51.813
10) cis-Chlor...	7.821	8.217	175.8E6	195.5E6	48.523	50.388
11) Endosulfa...	7.925	8.267	164.8E6	182.7E6	48.441	50.800
12) 4,4'-DDE	7.872	8.319	165.1E6	195.7E6	52.403	52.021
13) Dieldrin	8.098	8.465	187.2E6	205.8E6	49.834	50.144
14) Endrin	8.268	8.689	138.9E6	147.3E6	50.635	51.139
15) 4,4'-DDD	8.303	8.733	134.1E6	163.2E6	49.303	51.600
16) Endosulfa...	8.429	8.835	142.3E6	165.5E6	48.327	50.820
17) 4,4'-DDT	8.498	8.957	137.9E6	158.4E6	50.422	51.434
18) Endrin Al...	8.724	9.071	134.3E6	146.0E6	47.014	47.993
19) Endosulfa...	9.030	9.264	142.5E6	162.8E6	47.692	49.007
20) Methoxychlor	8.831	9.423	63985860	75074553	46.482	49.009
21) Endrin Ke...	9.233	9.656	178.0E6	193.2E6	48.141	49.467
23) Hexachlor...	3.481	3.715	12969	36799	BelowCal	BelowCal
24) Hexachlor...	6.069	6.450	374979	21131	0.111	0.005 #
25) Oxychlorane	7.564	7.887	829530	219488	0.255	0.061 #
26) 2,4'-DDE	7.631	8.110	175.7E6	206.2E6	81.594	83.847
27) trans-Non...	7.821	8.175	175.8E6	637724	48.217	0.159 #
28) 2,4'-DDD	0.000	8.465	0	205.8E6	N.D.	89.975 #
29) 2,4'-DDT	8.179	8.689	557285	147.3E6	0.256	62.777 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:11
 Operator : MJB
 Sample : 0J15061-CAL7
 Misc : A20H475, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:31:07 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

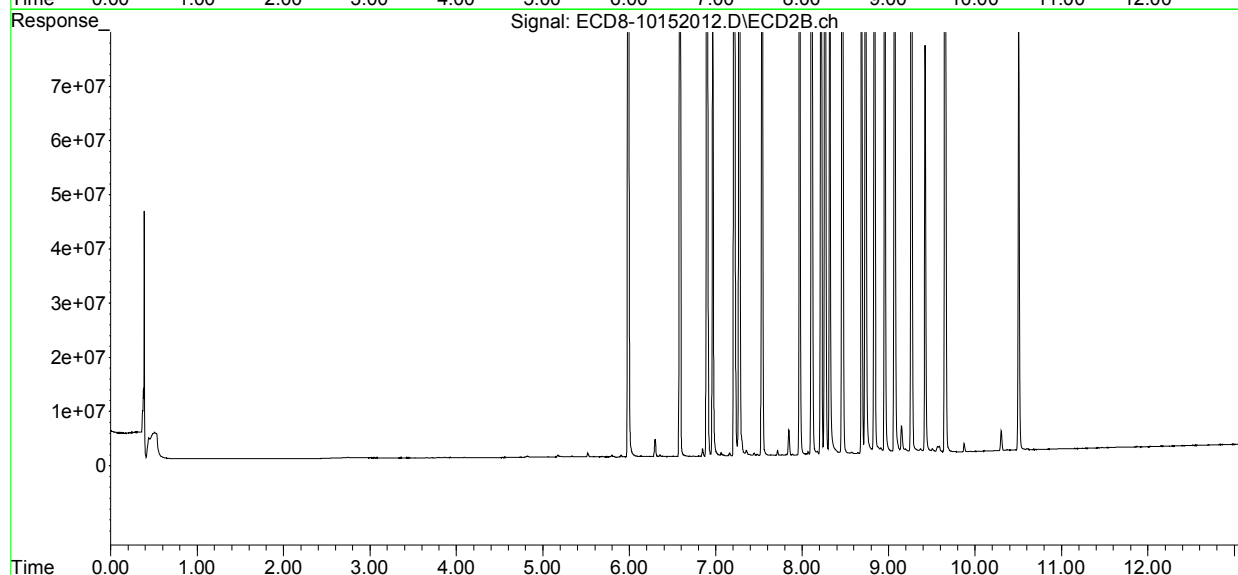
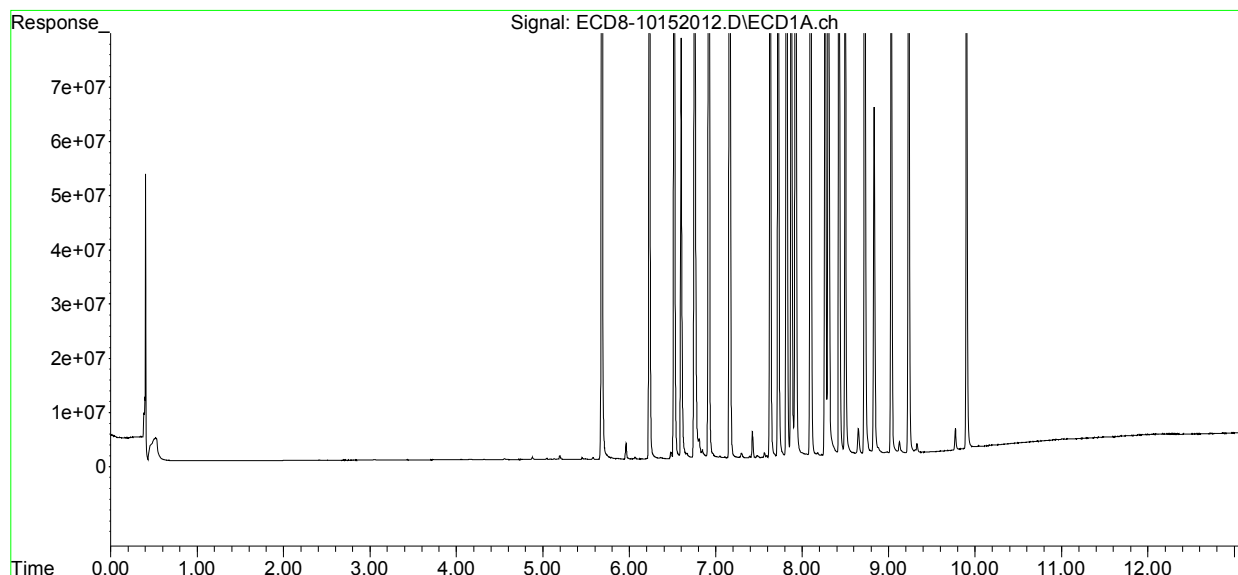
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.268	8.733	138.9E6	163.2E6	34.803	37.601
31)	Mirex	8.964	9.656	213223	193.2E6	BelowCal	76.930
32)	Chlordane...	7.723	8.110	183.0E6	206.2E6	444.273	423.341
33)	Chlordane...	7.821	8.217	175.8E6	195.5E6	419.319	472.193
34)	Chlordane...	0.000	8.875	0	1245824	N.D.	9.211 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.821	8.465f	175.8E6	205.8E6	11814.511	5414.911 #
37)	Toxaphene...	8.098	0.000	187.2E6	0	5683.784	N.D. #
38)	Toxaphene...	8.429	8.835	142.3E6	165.5E6	2053.330	2352.685
39)	Toxaphene...	8.649	8.875	4755814	1245824	63.905	10.457 #
40)	Toxaphene...	8.881	9.071	1098469	146.0E6	18.504	2119.882 #
41)	Toxaphene...	8.964	9.423	213223	75074553	3.167	1002.575 #
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\2020-10\0J15061\REQUANT\
Data File : ECD8-10152012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 20:11
Operator : MJB
Sample : 0J15061-CAL7
Misc : A20H475, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:31:07 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:27
 Operator : MJB
 Sample : 0J15061-CAL8
 Misc : A20H476, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:31:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.990	353.9E6	425.7E6	100.085	106.406
22) S DCBP (S)	9.902	10.504	254.4E6	242.3E6	101.182	100.154
Target Compounds						
2) a-BHC	6.234	6.585	492.9E6	598.9E6	104.615	111.971
3) g-BHC	6.520	6.900	432.4E6	506.9E6	107.443	109.005
4) b-BHC	6.599	6.965	173.0E6	211.1E6	110.831	107.883
5) Heptachlor	6.918	7.273	425.5E6	500.4E6	104.835	109.320
6) d-BHC	6.751	7.213	384.5E6	507.6E6	105.125	104.749
7) Aldrin	7.160	7.536	415.8E6	476.9E6	105.847	111.713
8) Heptachlo...	7.629	7.970	370.1E6	442.7E6	101.228	110.241
9) trans-Chl...	7.722	8.110	386.7E6	449.4E6	105.008	112.897
10) cis-Chlor...	7.820	8.217	372.5E6	421.6E6	102.832	108.657
11) Endosulfa...	7.924	8.267	346.0E6	395.1E6	101.717	109.862
12) 4,4'-DDE	7.870	8.318	362.8E6	440.1E6	115.131	105.816
13) Dieldrin	8.098	8.465	395.8E6	459.8E6	105.360	104.252
14) Endrin	8.268	8.689	308.9E6	345.9E6	112.656	107.687
15) 4,4'-DDD	8.300	8.731	313.9E6	361.9E6	115.426	104.155
16) Endosulfa...	8.429	8.835	312.1E6	366.8E6	105.978	112.656
17) 4,4'-DDT	8.497	8.956	321.4E6	373.7E6	106.851	106.702
18) Endrin Al...	8.724	9.070	282.4E6	319.3E6	99.188	100.997
19) Endosulfa...	9.030	9.264	301.0E6	361.9E6	100.718	108.930
20) Methoxychlor	8.827	9.422	158.4E6	181.1E6	115.051	107.480
21) Endrin Ke...	9.232	9.656	368.2E6	418.0E6	99.568	107.020
23) Hexachlor...	3.472	3.708	39913	44195	BelowCal	BelowCal
24) Hexachlor...	6.070	6.456	756551	169916	0.224	0.042 #
25) Oxychlorane	7.563	7.885	1627296	541268	0.500	0.152 #
26) 2,4'-DDE	7.629	8.110	370.1E6	449.4E6	171.865	182.696
27) trans-Non...	7.820	8.175	372.5E6	1147906	102.184	0.287 #
28) 2,4'-DDD	8.039f	8.465	602816	459.8E6	0.310	201.029 #
29) 2,4'-DDT	8.178	8.689	1218495	345.9E6	0.560	131.602 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:27
 Operator : MJB
 Sample : 0J15061-CAL8
 Misc : A20H476, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:31:17 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

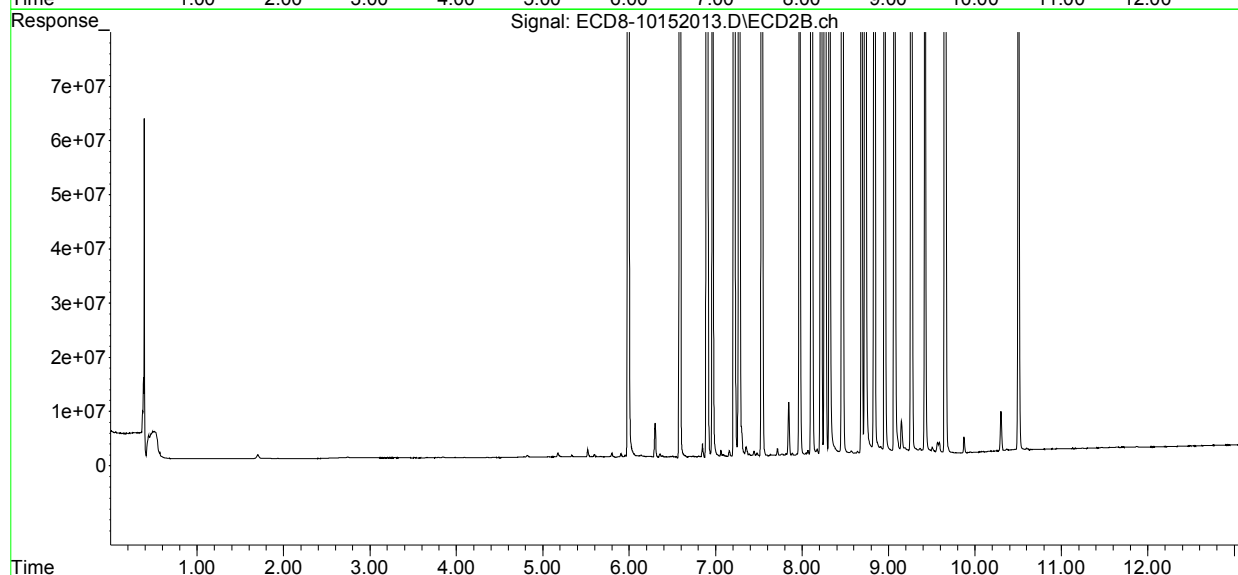
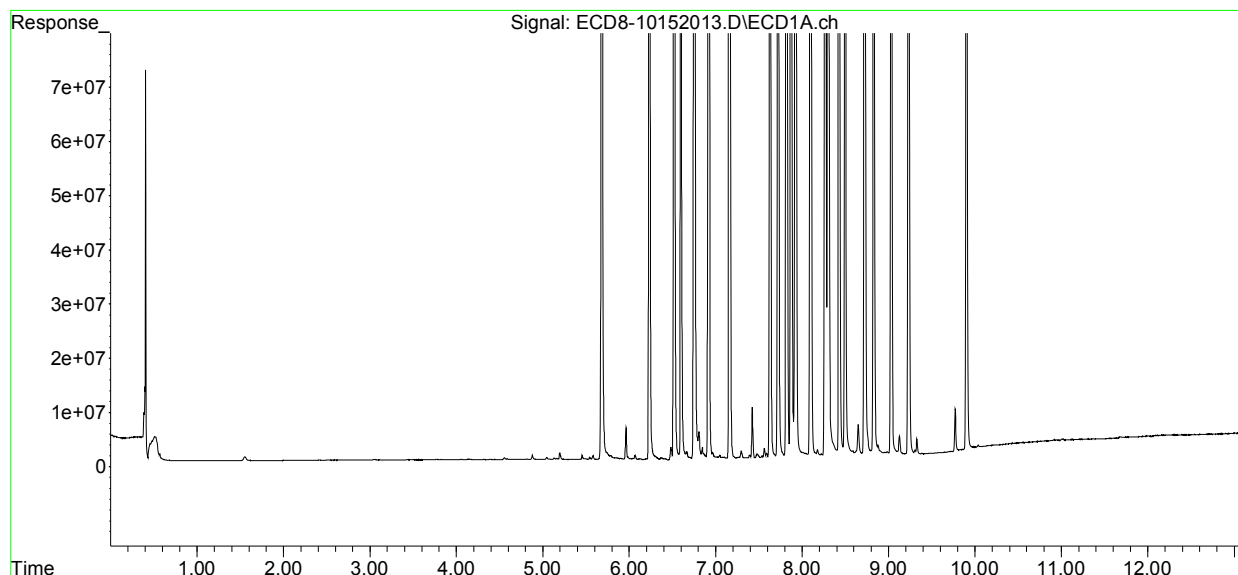
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.300	8.731	313.9E6	361.9E6	78.680	83.391
31)	Mirex	8.958	9.656	487895	418.0E6	BelowCal	159.151
32)	Chlordane...	7.722	8.110	386.7E6	449.4E6	938.729	922.426
33)	Chlordane...	7.820	8.217	372.5E6	421.6E6	888.637	1018.238
34)	Chlordane...	0.000	8.906f	0	1495013	N.D.	11.054 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.820	8.465f	372.5E6	459.8E6	25037.749	12098.394 #
37)	Toxaphene...	8.098	0.000	395.8E6	0	12016.858	N.D. #
38)	Toxaphene...	8.429	8.835	312.1E6	366.8E6	4502.803	5215.307
39)	Toxaphene...	8.648	8.906	5641100	1495013	75.800	12.549 #
40)	Toxaphene...	8.878	9.070	1851306	319.3E6	31.186	4635.029 #
41)	Toxaphene...	8.958	9.422f	487895	181.1E6	7.247	2419.073 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 20:27
Operator : MJB
Sample : 0J15061-CAL8
Misc : A20H476, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:31:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:44
 Operator : MJB
 Sample : 0J15061-CAL9
 Misc : A20H470, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:31:29 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.991	707.1E6	877.5E6	199.958	219.328
22) S DCBP (S)	9.903	10.505	508.9E6	513.8E6	200.396	212.372
Target Compounds						
2) a-BHC	6.234	6.586	999.0E6	1264.9E6	212.042	236.485
3) g-BHC	6.520	6.901	875.8E6	1095.4E6	217.618	235.537
4) b-BHC	6.599	6.966	348.7E6	427.2E6	223.404	218.338
5) Heptachlor	6.919	7.274	860.4E6	1063.1E6	211.990	232.284
6) d-BHC	6.752	7.214	812.4E6	1082.6E6	195.029	194.947
7) Aldrin	7.161	7.537	808.8E6	985.1E6	205.899	230.744
8) Heptachlo...	7.630	7.971	738.1E6	893.9E6	201.897	222.584
9) trans-Chl...	7.723	8.111	771.1E6	928.7E6	209.378	233.339
10) cis-Chlor...	7.820	8.218	744.5E6	889.6E6	205.523	229.305
11) Endosulfa...	7.924	8.267	695.9E6	827.3E6	204.590	230.023
12) 4,4'-DDE	7.870	8.319	733.3E6	932.3E6	232.716	193.902
13) Dieldrin	8.098	8.466	785.1E6	964.7E6	208.979	195.757
14) Endrin	8.267	8.689	618.0E6	717.2E6	225.373	193.184
15) 4,4'-DDD	8.300	8.732	624.8E6	785.4E6	229.726	195.491
16) Endosulfa...	8.429	8.835	627.2E6	777.0E6	212.956	238.645
17) 4,4'-DDT	8.497	8.957	664.3E6	806.5E6	193.766	193.667
18) Endrin Al...	8.724	9.070	583.5E6	684.2E6	205.164	201.324
19) Endosulfa...	9.030	9.265	596.2E6	743.8E6	199.484	223.866
20) Methoxychlor	8.828	9.422	315.4E6	372.5E6	229.151	194.544
21) Endrin Ke...	9.232	9.656	755.0E6	903.6E6	204.160	231.313
23) Hexachlor...	3.477	3.718	10639	36591	BelowCal	BelowCal
24) Hexachlor...	6.069	6.453	1365555	51879	0.404	0.013 #
25) Oxychlorane	7.563	7.886	3135692	607096	0.963	0.170 #
26) 2,4'-DDE	7.630	8.111	738.1E6	928.7E6	342.781	377.603
27) trans-Non...	7.820	8.175	744.5E6	1864329	204.229	0.466 #
28) 2,4'-DDD	8.009	8.466	1349192	964.7E6	0.694	421.751 #
29) 2,4'-DDT	8.177	8.689	2245182	717.2E6	1.032	234.852 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:44
 Operator : MJB
 Sample : 0J15061-CAL9
 Misc : A20H470, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:31:29 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

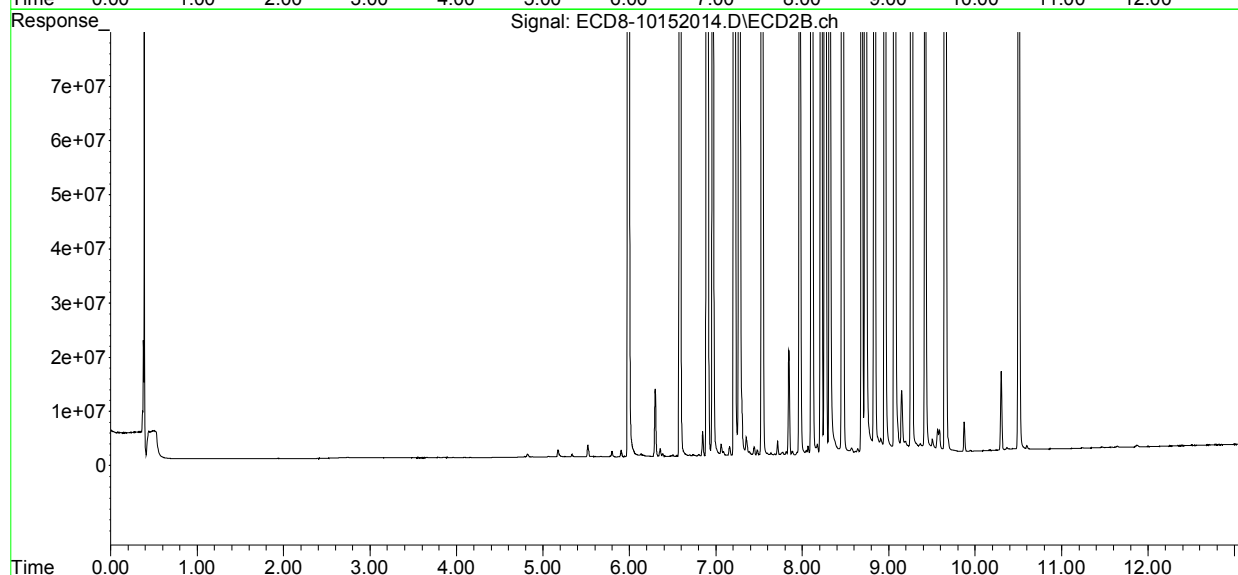
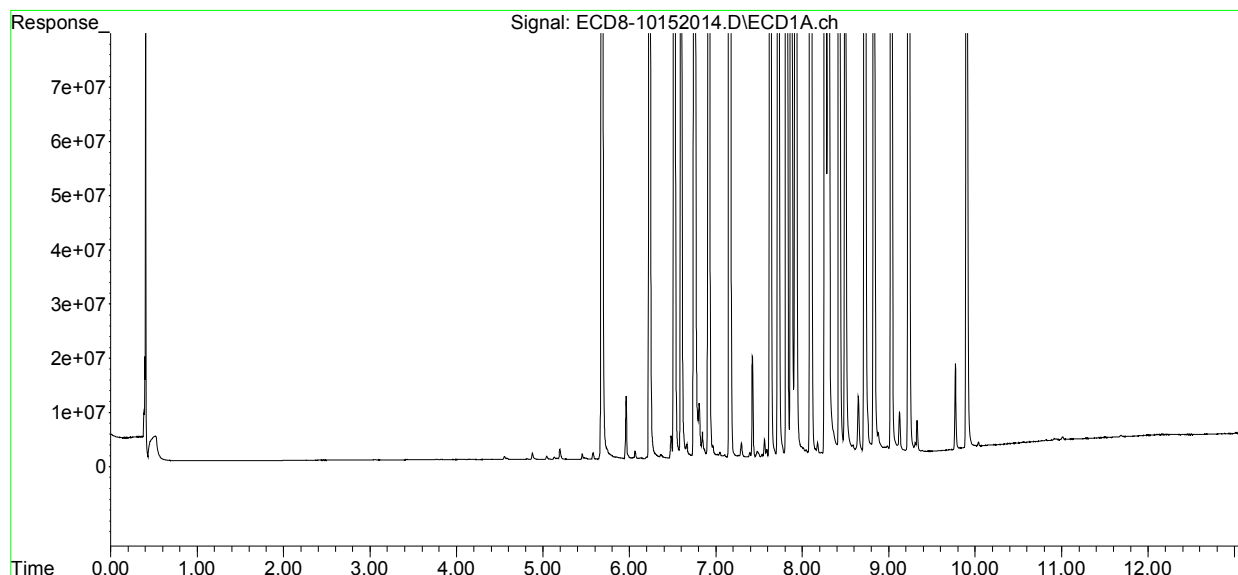
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.300	8.732	624.8E6	785.4E6	156.593	180.952
31)	Mirex	8.961	9.656	998875	903.6E6	0.122	316.534 #
32)	Chlordane...	7.723	8.111	771.1E6	928.7E6	1871.751	1906.504
33)	Chlordane...	7.820	8.218	744.5E6	889.6E6	1776.066	2148.856
34)	Chlordane...	0.000	8.835f	0	777.0E6	N.D.	5745.103 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.820	8.466f	744.5E6	964.7E6	50041.481	25382.040 #
37)	Toxaphene...	8.098	0.000	785.1E6	0	23835.220	N.D. #
38)	Toxaphene...	8.429	8.835	627.2E6	777.0E6	9048.138	11047.867
39)	Toxaphene...	8.647	8.907	10582094	2687443	142.193	22.558 #
40)	Toxaphene...	8.880	9.070	3719464	684.2E6	62.656	9932.263 #
41)	Toxaphene...	8.961	9.422f	998875	372.5E6	14.837	4974.796 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 20:44
Operator : MJB
Sample : 0J15061-CAL9
Misc : A20H470, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:31:29 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:33
 Operator : MJB
 Sample : 0J15061-CALA
 Misc : A20J276, 9-42 0.5 ppb
 ALS Vial : 14 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:40:51 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.684	6.009	18070	209078	0.005	0.052 #
22) S DCBP (S)	9.909	10.508	226604	71433	BelowCal	0.030
Target Compounds						
2) a-BHC	6.234	6.585	93052	100504	0.020	0.019
3) g-BHC	6.521	6.900	89900	82075	0.022	0.018
4) b-BHC	6.613	6.972	50932	78741	0.033	0.040
5) Heptachlor	6.921	7.273	59866	71674	0.015	0.016
6) d-BHC	6.766	7.220	144823	197447	0.105	0.116
7) Aldrin	7.164	7.539	53417	61917	0.014	0.015
8) Heptachlo...	7.627	7.971	1201503	91636	0.329	0.023 #
9) trans-Chl...	7.727	8.100	83452	1304771	0.023	0.328 #
10) cis-Chlor...	7.810	8.218	2163375	136666	0.597	0.035 #
11) Endosulfa...	7.928	8.270	83914	83552	0.025	0.023
12) 4,4'-DDE	7.879	8.324	140677	78162	0.045	0.071 #
13) Dieldrin	8.102	8.471	71440	1319106	0.019	0.361 #
14) Endrin	8.289f	8.691	2361680	1355429	0.861	0.550 #
15) 4,4'-DDD	8.289	8.737	2361680	2474139	0.868	0.866
16) Endosulfa...	8.438	8.840	95320	119722	0.032	0.037
17) 4,4'-DDT	8.504	8.962	75573	95652	0.062	0.099 #
18) Endrin Al...	8.731	9.074	328585	336359	BelowCal	BelowCal
19) Endosulfa...	9.035	9.267	228719	267471	0.077	0.080
20) Methoxychlor	8.838	9.425	37403	58164	0.027	BelowCal #
21) Endrin Ke...	9.237	9.647	196289	1941278	0.053	0.497 #
23) Hexachlor...	3.475	3.703	2239091	2507236	0.499	0.500
24) Hexachlor...	6.070	6.454	1970418	2349149	0.589	0.590
25) Oxychlorane	7.556	7.904	1937874	2061148	0.600	0.586
26) 2,4'-DDE	7.627	8.100	1201503	1304771	0.565	0.538
27) trans-Non...	7.810	8.179	2163375	2327996	0.599	0.590
28) 2,4'-DDD	8.006	8.471	1125210	1319106	0.586	0.484
29) 2,4'-DDT	8.185	8.691	1221609	1355429	0.569	0.511

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:33
 Operator : MJB
 Sample : 0J15061-CALA
 Misc : A20J276, 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: Oct 21 14:40:51 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

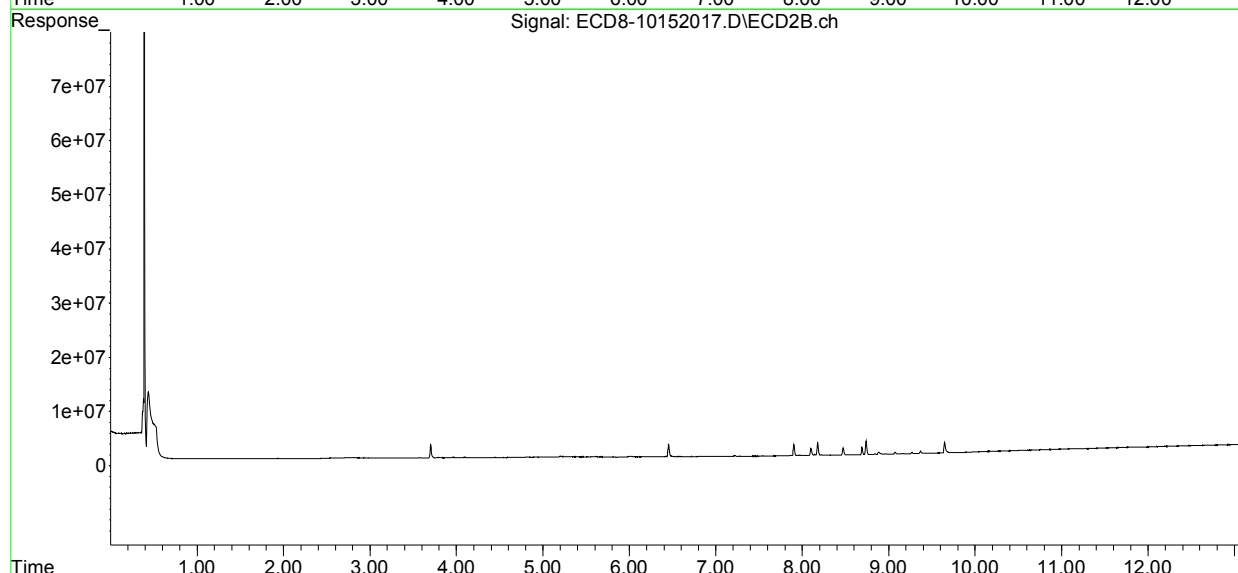
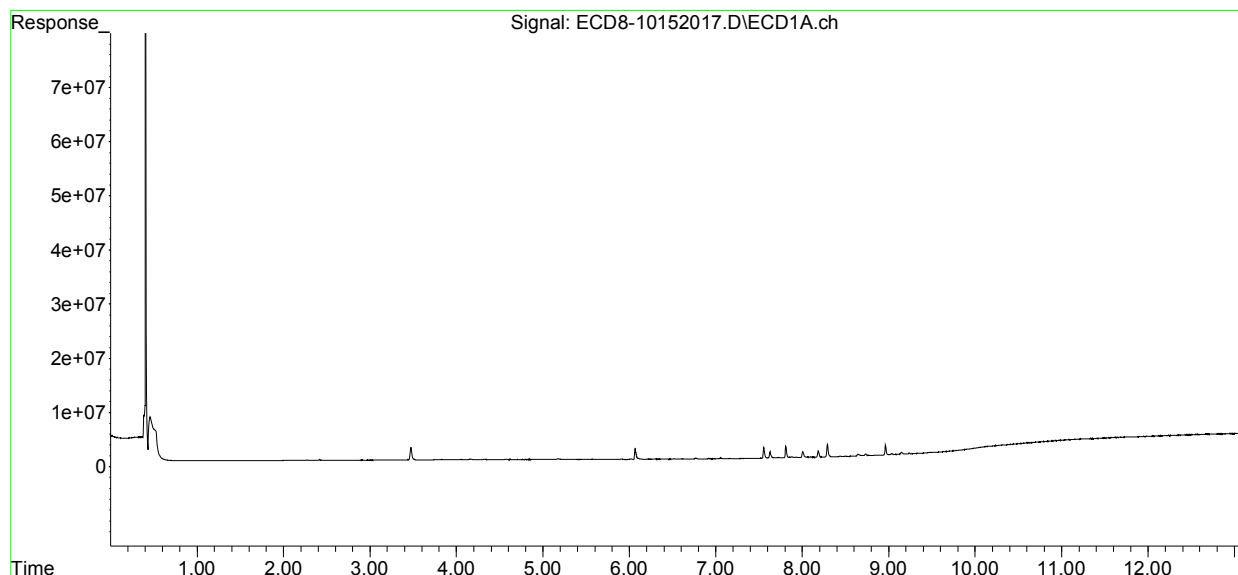
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.737	2361680	2474139	0.599	0.578
31)	Mirex	8.964	9.647	1825977	1941278	0.473	0.478
32)	Chlordane...	7.727	8.100	83452	1304771	0.203	2.678 #
33)	Chlordane...	7.810	8.218	2163375	136666	5.161	0.330 #
34)	Chlordane...	8.382	8.884	14003	405965	0.109	3.002 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.810	8.442	2163375	4857	145.420	0.128 #
37)	Toxaphene...	8.102	8.798	71440	28661	2.169	0.608 #
38)	Toxaphene...	8.438	8.840	95320	119722	1.375	1.702
39)	Toxaphene...	8.643	8.884	304431	405965	4.091	3.408
40)	Toxaphene...	0.000	9.074	0	336359	N.D.	4.883 #
41)	Toxaphene...	8.964	9.445	1825977	16925	27.122	0.226 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:33
Operator : MJB
Sample : 0J15061-CALA
Misc : A20J276, 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: Oct 21 14:40:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:50
 Operator : MJB
 Sample : 0J15061-CALB
 Misc : A20I180, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:40:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653f	5.991	31493	60808	0.009	0.015 #
22) S DCBP (S)	9.909	10.509	227878	57712	BelowCal	0.024
Target Compounds						
2) a-BHC	6.234	6.584	100774	127193	0.021	0.024
3) g-BHC	6.519	6.900	134304	112671	0.033	0.024 #
4) b-BHC	6.613	6.971	65424	100009	0.042	0.051
5) Heptachlor	6.920	7.274	99120	123162	0.024	0.027
6) d-BHC	6.763	7.218	166725	226780	0.112	0.123
7) Aldrin	7.163	7.537	82327	95571	0.021	0.022
8) Heptachlo...	7.626	7.971	2330761	135674	0.638	0.034 #
9) trans-Chl...	7.726	8.099	213854	2507932	0.058	0.630 #
10) cis-Chlor...	7.809	8.217	3910682	214545	1.080	0.055 #
11) Endosulfa...	7.927	8.269	90017	117700	0.026	0.033
12) 4,4'-DDE	7.865	8.322	110138	100769	0.035	0.077 #
13) Dieldrin	8.100	8.470	109817	2545735	0.029	0.682 #
14) Endrin	8.288f	8.691	4530614	2394823	1.652	0.952 #
15) 4,4'-DDD	8.288	8.737	4530614	4587763	1.666	1.602
16) Endosulfa...	8.436	8.838	122633	142804	0.042	0.044
17) 4,4'-DDT	8.502	8.959	53824	80050	0.054	0.093 #
18) Endrin Al...	8.729	9.073	292807	306207	BelowCal	BelowCal
19) Endosulfa...	9.034	9.266	222830	221707	0.075	0.067
20) Methoxychlor	8.835	9.425	32315	41646	0.023	BelowCal #
21) Endrin Ke...	9.237	9.646	178999	3435505	0.048	0.880 #
23) Hexachlor...	3.474	3.703	3774672	4324213	0.991	0.998
24) Hexachlor...	6.070	6.454	3664461	4208870	1.095	1.058
25) Oxychlorane	7.555	7.903	3610716	3742926	1.118	1.063
26) 2,4'-DDE	7.626	8.099	2330761	2507932	1.096	1.034
27) trans-Non...	7.809	8.178	3910682	4195390	1.082	1.064
28) 2,4'-DDD	8.004	8.470	2191428	2545735	1.141	1.098
29) 2,4'-DDT	8.183	8.691	2264292	2394823	1.055	1.017

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:50
 Operator : MJB
 Sample : 0J15061-CALB
 Misc : A20I180, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:40:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

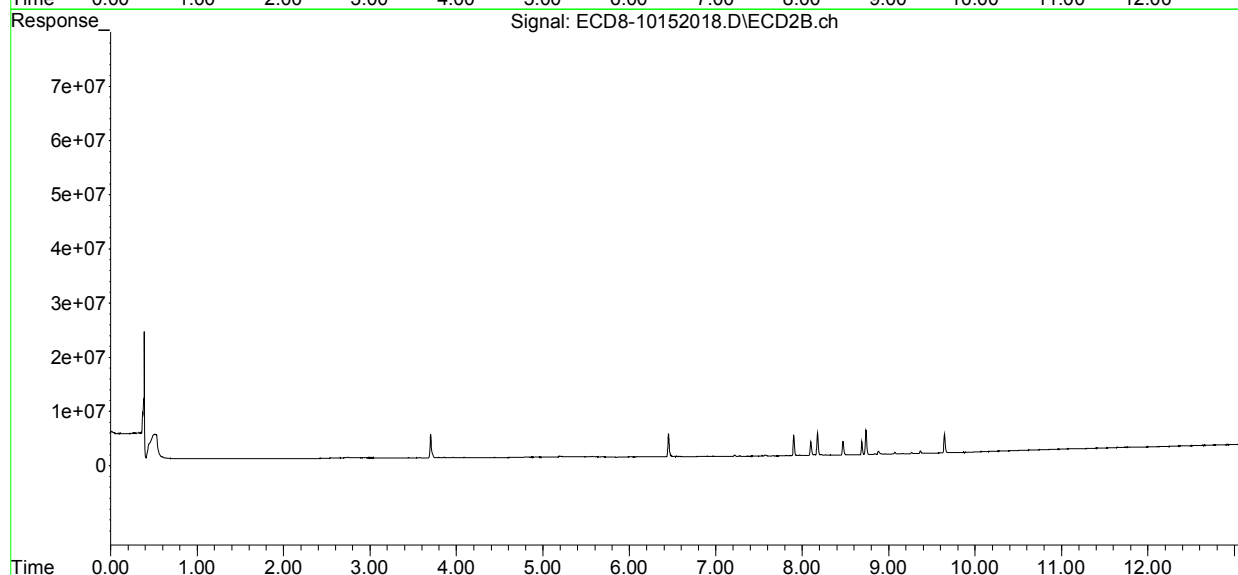
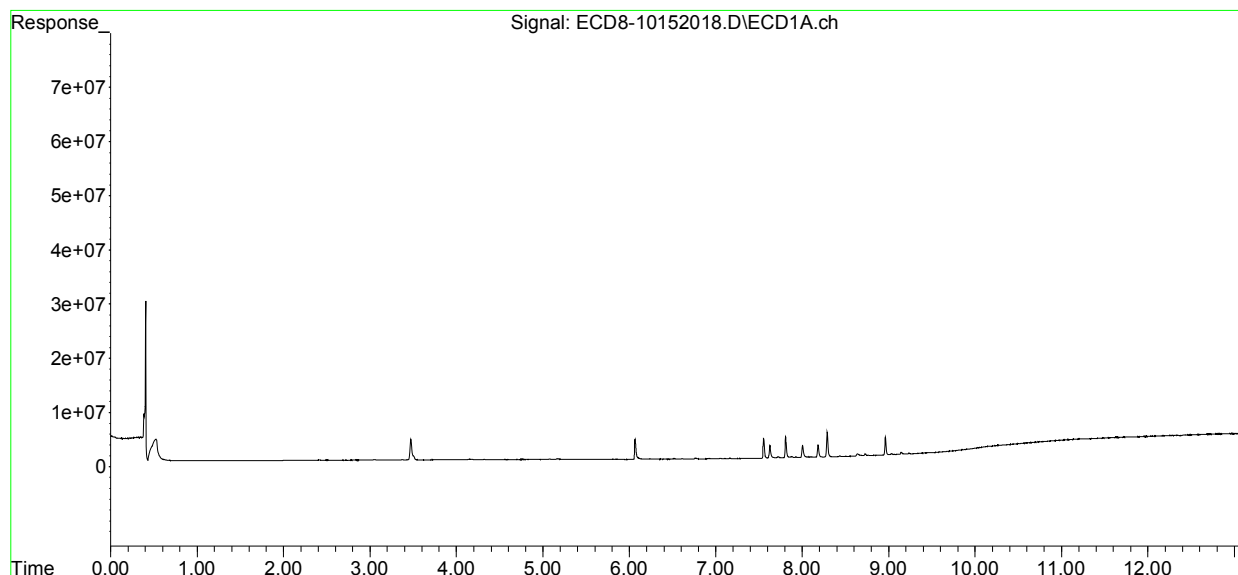
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.737	4530614	4587763	1.149	1.072
31)	Mirex	8.963	9.646	3315145	3435505	1.110	1.111
32)	Chlordane...	7.726	8.099	213854	2507932	0.519	5.148 #
33)	Chlordane...	7.809	8.217	3910682	214545	9.330	0.518 #
34)	Chlordane...	8.379	8.882	10822	554202	0.084	4.098 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.809	8.431	3910682	5400	262.872	0.142 #
37)	Toxaphene...	8.100	8.792	109817	37481	3.334	0.795 #
38)	Toxaphene...	8.436	8.838	122633	142804	1.769	2.030
39)	Toxaphene...	8.638	8.882	396827	554202	5.332	4.652
40)	Toxaphene...	8.891	9.073	8692	306207	0.146	4.445 #
41)	Toxaphene...	8.963	9.425	3315145	41646	49.241	0.556 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:50
Operator : MJB
Sample : 0J15061-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 14:40:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:06
 Operator : MJB
 Sample : 0J15061-CALC
 Misc : A20I181, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:01 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653f	5.988	76897	55228	0.022	0.014 #
22) S DCBP (S)	9.870f	10.515	163145	58933	BelowCal	0.024
Target Compounds						
2) a-BHC	6.232	6.584	36736	55011	0.008	0.010 #
3) g-BHC	6.519	6.900	55408	36804	0.014	0.008 #
4) b-BHC	6.612	6.971	33171	67533	0.021	0.035 #
5) Heptachlor	6.920	7.273	51196	61676	0.013	0.013
6) d-BHC	6.766	7.218	101430	148814	0.091	0.104
7) Aldrin	7.165	7.538	31631	41785	0.008	0.010
8) Heptachlo...	7.624	7.971	3901157	87541	1.067	0.022 #
9) trans-Chl...	7.721	8.099	209465	4384687	0.057	1.102 #
10) cis-Chlor...	7.809	8.215	6858041	210510	1.893	0.054 #
11) Endosulfa...	7.928	8.267	81766	89349	0.024	0.025
12) 4,4'-DDE	7.878	8.323	198690	77077	0.063	0.070
13) Dieldrin	8.100	8.469	93835	4129327	0.025	1.095 #
14) Endrin	8.288	8.690	7468006	3988690	2.723	1.565 #
15) 4,4'-DDD	8.288	8.736	7468006	7629694	2.746	2.658
16) Endosulfa...	8.435	8.838	94701	118264	0.032	0.036
17) 4,4'-DDT	8.504	8.958	53928	84295	0.054	0.095 #
18) Endrin Al...	8.729	9.072	216411	211304	BelowCal	BelowCal
19) Endosulfa...	9.034	9.266	200784	206297	0.067	0.062
20) Methoxychlor	8.837	9.425	34766	43547	0.025	BelowCal #
21) Endrin Ke...	9.236	9.645	160941	5403191	0.044	1.383 #
23) Hexachlor...	3.474	3.703	7127380	8105552	2.064	2.032
24) Hexachlor...	6.069	6.453	6539006	7438773	1.955	1.869
25) Oxychlorane	7.554	7.903	6208420	6625326	1.922	1.882
26) 2,4'-DDE	7.624	8.099	3901157	4384687	1.834	1.807
27) trans-Non...	7.809	8.177	6858041	7161689	1.898	1.816
28) 2,4'-DDD	8.004	8.469	3682349	4129327	1.917	1.890
29) 2,4'-DDT	8.183	8.690	3742080	3988690	1.744	1.790

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:06
 Operator : MJB
 Sample : 0J15061-CALC
 Misc : A20I181, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:01 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

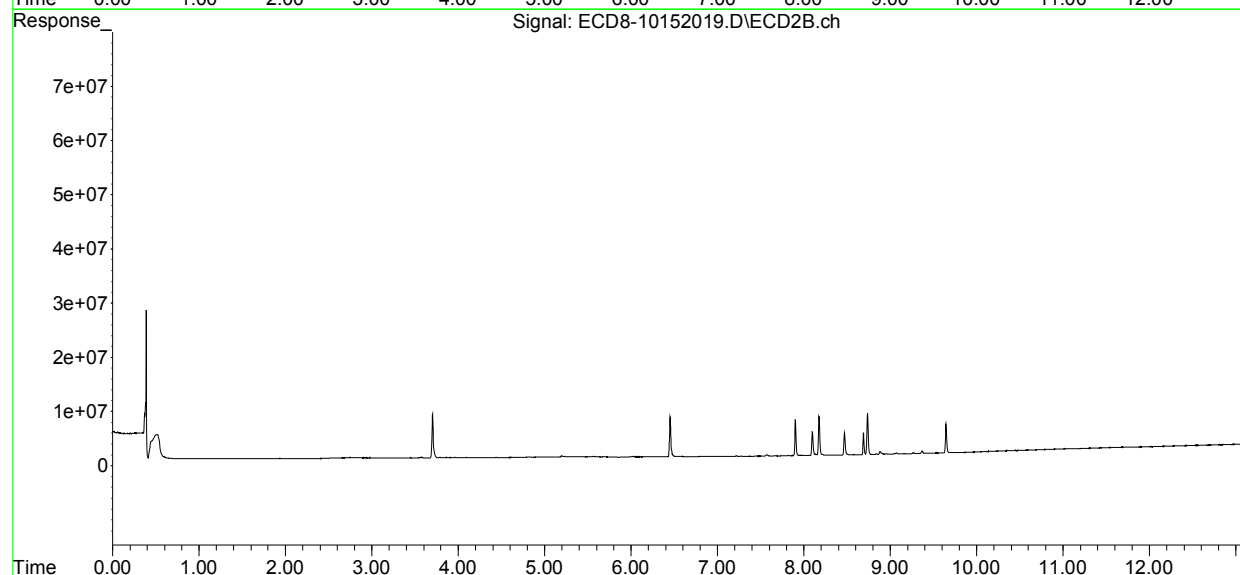
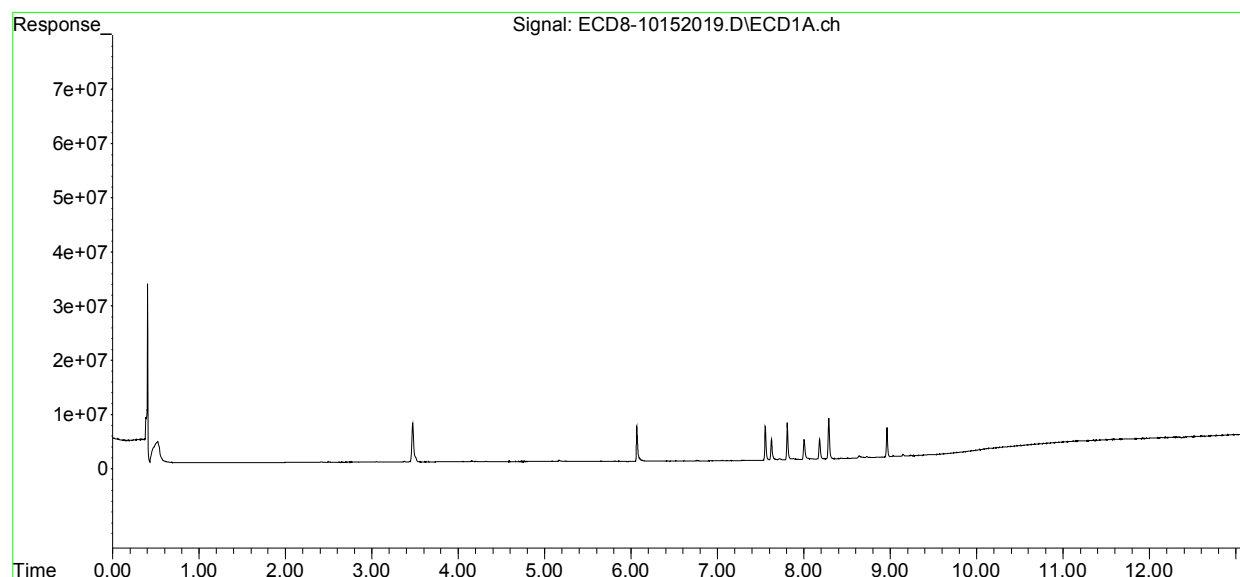
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.736	7468006	7629694	1.894	1.784
31)	Mirex	8.963	9.645	5444461	5403191	2.022	1.943
32)	Chlordane...	7.721	8.099	209465	4384687	0.508	9.001 #
33)	Chlordane...	7.809	8.215	6858041	210510	16.361	0.508 #
34)	Chlordane...	8.377	8.883	13321	504118	0.103	3.727 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.809	8.435	6858041	5693	460.990	0.150 #
37)	Toxaphene...	8.100	8.797	93835	44023	2.849	0.934 #
38)	Toxaphene...	8.414	8.838	8675	118264	0.125	1.681 #
39)	Toxaphene...	8.639	8.883	362816	504118	4.875	4.232
40)	Toxaphene...	8.905	9.072	36426	211304	0.614	3.067 #
41)	Toxaphene...	8.963	9.444	5444461	12398	80.868	0.166 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 22:06
Operator : MJB
Sample : 0J15061-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 14:41:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:23
 Operator : MJB
 Sample : 0J15061-CALD
 Misc : A20I182, 9-42 5 ppb
 ALS Vial : 17 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.654f	5.990	161204	56742	0.046	0.014 #
22) S DCBP (S)	9.907	10.510	170802	55345	BelowCal	0.023
Target Compounds						
2) a-BHC	6.261f	6.583	11203	61900	0.002	0.012 #
3) g-BHC	6.517	6.899	54878	17586	0.014	0.004 #
4) b-BHC	6.610	6.971	21928	44052	0.014	0.023 #
5) Heptachlor	6.920	7.273	60051	70226	0.015	0.015
6) d-BHC	6.762	7.217	78565	115968	0.084	0.096
7) Aldrin	0.000	7.535	0	28019	N.D.	0.007 #
8) Heptachlo...	7.624	7.969	9576140	84549	2.619	0.021 #
9) trans-Chl...	7.723	8.098	166925	10816208	0.045	2.718 #
10) cis-Chlor...	7.808	8.177f	16788723	17453607	4.635	4.499
11) Endosulfa...	7.918	8.269	71327	69168	0.021	0.019
12) 4,4'-DDE	7.911f	8.325	78394	44620	0.025	0.061 #
13) Dieldrin	8.118f	8.470	42380	9938801	0.011	2.607 #
14) Endrin	8.254	8.690	32820	10115568	0.012	3.908 #
15) 4,4'-DDD	8.288	8.736	17869077	18893080	6.570	6.527
16) Endosulfa...	8.433	8.838	47811	70495	0.016	0.022 #
17) 4,4'-DDT	8.499	8.959	26245	60375	0.043	0.086 #
18) Endrin Al...	8.727	9.072	166972	144100	BelowCal	BelowCal
19) Endosulfa...	9.030	9.266	133927	101937	0.045	0.031 #
20) Methoxychlor	8.827	9.424	12277	23307	0.009	BelowCal #
21) Endrin Ke...	9.235	9.645	67133	12160597	0.018	3.113 #
23) Hexachlor...	3.474	3.702	16458450	18933435	5.041	4.977
24) Hexachlor...	6.070	6.453	15453104	17842730	4.620	4.483
25) Oxychlorane	7.554	7.903	15094980	15610146	4.674	4.435
26) 2,4'-DDE	7.624	8.098	9576140	10816208	4.502	4.457
27) trans-Non...	7.808	8.177	16788723	17453607	4.646	4.427
28) 2,4'-DDD	8.003	8.470	8751372	9938801	4.555	4.781
29) 2,4'-DDT	8.182	8.690	9587017	10115568	4.467	4.739

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:23
 Operator : MJB
 Sample : 0J15061-CALD
 Misc : A20I182, 9-42 5 ppb
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:06 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

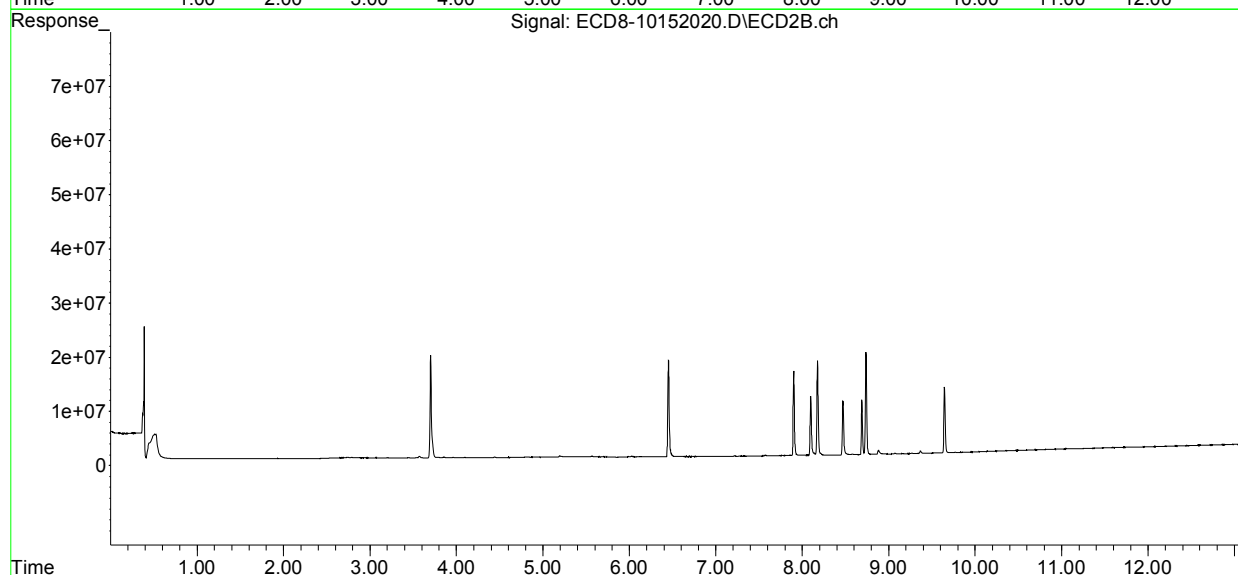
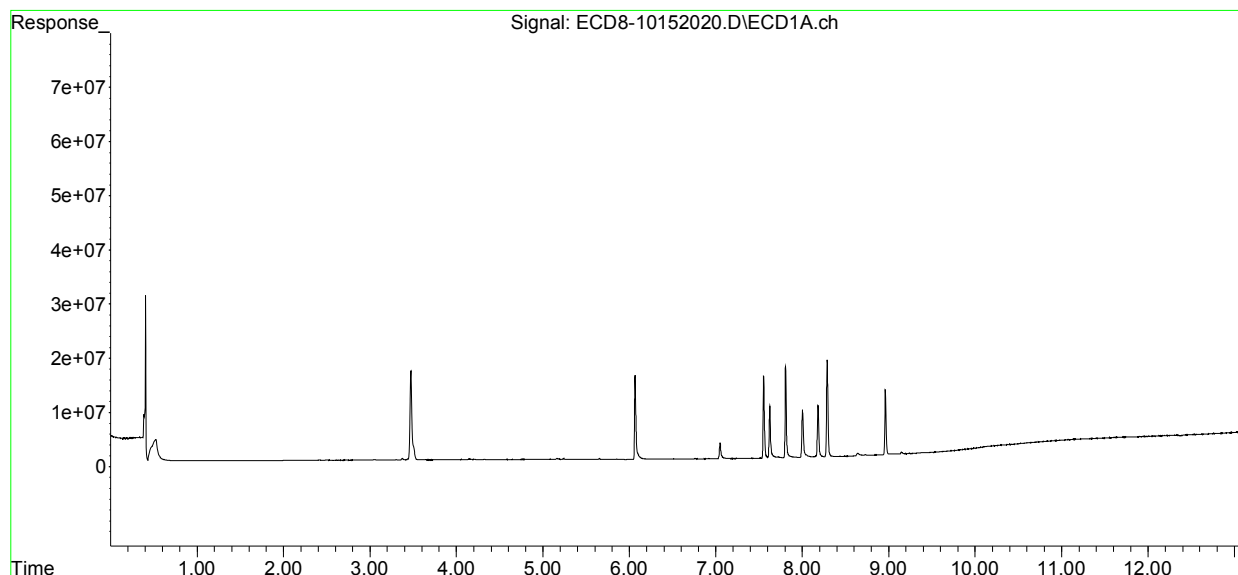
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.736	17869077	18893080	4.531	4.416
31)	Mirex	8.962	9.645	12051077	12160597	4.850	4.794
32)	Chlordane...	7.723	8.098	166925	10816208	0.405	22.203 #
33)	Chlordane...	7.808	8.177f	16788723	17453607	40.053	42.158
34)	Chlordane...	8.378	8.882	31843	679236	0.247	5.022 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.808	8.437	16788723	5142	1128.519	0.135 #
37)	Toxaphene...	8.118	8.815f	42380	50071	1.287	1.062
38)	Toxaphene...	8.433	8.815	47811	50071	0.690	0.712
39)	Toxaphene...	8.674	8.882	140585	679236	1.889	5.702 #
40)	Toxaphene...	8.892	9.072	9412	144100	0.159	2.092 #
41)	Toxaphene...	8.962	9.440	12051077	15320	178.998	0.205 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 22:23
Operator : MJB
Sample : 0J15061-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 14:41:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:39
 Operator : MJB
 Sample : 0J15061-CALE
 Misc : A20I183, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653f	5.990	308301	47048	0.087	0.012 #
22) S DCBP (S)	0.000	10.475f	0	49871	N.D.	0.021 #
Target Compounds						
2) a-BHC	6.232	6.582	52846	75796	0.011	0.014 #
3) g-BHC	6.516	6.900	71042	31767	0.018	0.007 #
4) b-BHC	6.607	6.969	38280	57608	0.025	0.029
5) Heptachlor	6.920	7.273	108402	126920	0.027	0.028
6) d-BHC	6.762	7.218	102619	141068	0.091	0.102
7) Aldrin	7.160	7.539	24229	31842	0.006	0.007
8) Heptachlo...	7.624	7.968	20166332	114181	5.516	0.028 #
9) trans-Chl...	7.723	8.098	276417	22142201	0.075	5.563 #
10) cis-Chlor...	7.808	8.177f	34482563	35712472	9.520	9.205
11) Endosulfa...	7.906	8.265	148934	115264	0.044	0.032 #
12) 4,4'-DDE	7.906f	8.324	148934	80700	0.047	0.071 #
13) Dieldrin	8.075f	8.469	348958	20436379	0.093	5.322 #
14) Endrin	8.287	8.690	37147659	20908468	13.546	7.978 #
15) 4,4'-DDD	8.287	8.735	37147659	39146339	13.659	13.336
16) Endosulfa...	8.437	8.837	69817	101068	0.024	0.031 #
17) 4,4'-DDT	8.500	8.955	39678	66318	0.048	0.088 #
18) Endrin Al...	8.728	9.072	170430	146134	BelowCal	BelowCal
19) Endosulfa...	9.032	9.268	143522	100929	0.048	0.030 #
20) Methoxychlor	8.839	9.425	17455	24874	0.013	BelowCal #
21) Endrin Ke...	9.236	9.645	73575	24471276	0.020	6.265 #
23) Hexachlor...	3.475	3.703	31387777	36173041	9.780	9.614
24) Hexachlor...	6.069	6.453	31515539	36065499	9.421	9.062
25) Oxychlorane	7.554	7.903	30846461	33196377	9.552	9.432
26) 2,4'-DDE	7.624	8.098	20166332	22142201	9.481	9.125
27) trans-Non...	7.808	8.177	34482563	35712472	9.543	9.057
28) 2,4'-DDD	8.003	8.469	17648727	20436379	9.185	9.953
29) 2,4'-DDT	8.182	8.690	19702359	20908468	9.181	9.848

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:39
 Operator : MJB
 Sample : 0J15061-CALE
 Misc : A20I183, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

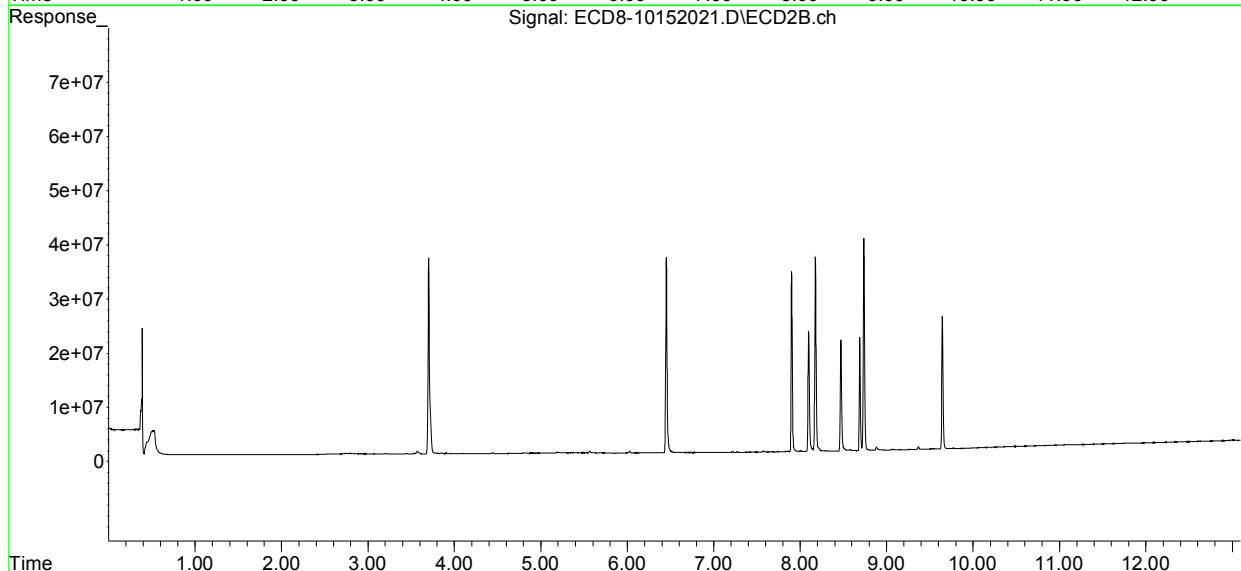
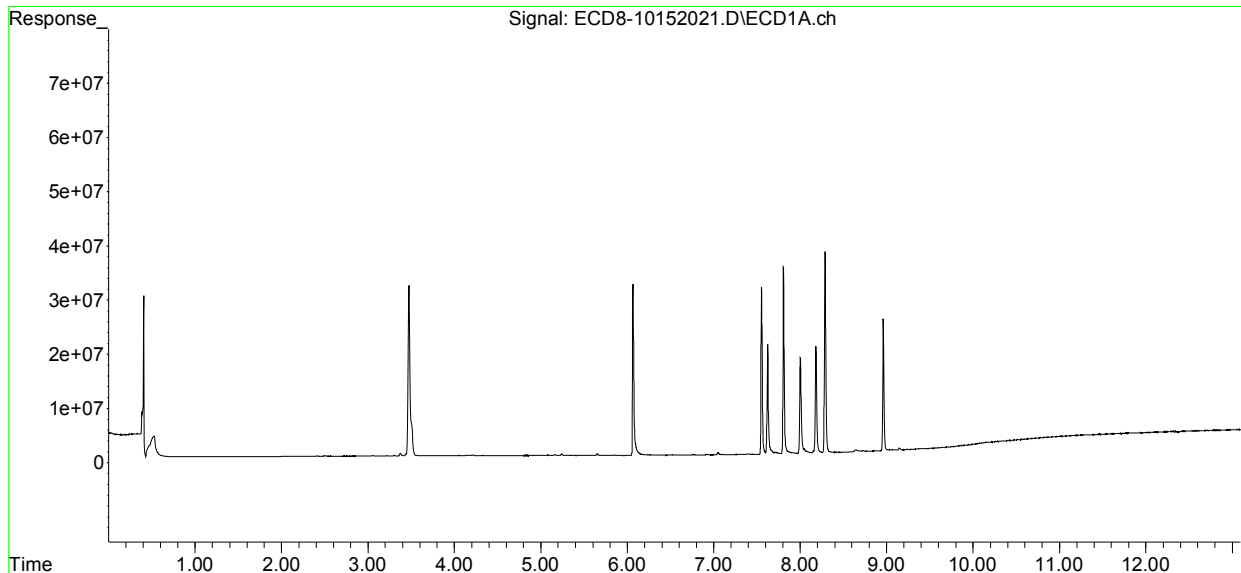
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.735	37147659	39146339	9.420	9.151
31)	Mirex	8.962	9.645	24373423	24471276	10.122	9.960
32)	Chlordane...	7.723	8.098	276417	22142201	0.671	45.453 #
33)	Chlordane...	7.808	8.177f	34482563	35712472	82.266	86.262
34)	Chlordane...	8.397	8.883	44340	499890	0.344	3.696 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.808	8.469f	34482563	20436379	2317.879	537.721 #
37)	Toxaphene...	8.075f	0.000	348958	0	10.594	N.D. #
38)	Toxaphene...	8.437	8.837	69817	101068	1.007	1.437 #
39)	Toxaphene...	8.642	8.883	378889	499890	5.091	4.196
40)	Toxaphene...	8.880	9.072	6469	146134	0.109	2.121 #
41)	Toxaphene...	8.962	9.445	24373423	18132	362.025	0.242 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 22:39
Operator : MJB
Sample : 0J15061-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 14:41:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:56
 Operator : MJB
 Sample : 0J15061-CALF
 Misc : A20I184, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.654f	5.957f	737705	12435	0.209	0.003 #
22) S DCBP (S)	9.910	10.509	230997	61427	BelowCal	0.025
Target Compounds						
2) a-BHC	6.226	6.581	189049	168684	0.040	0.032
3) g-BHC	6.509	6.897	93727	48894	0.023	0.011 #
4) b-BHC	6.609	6.969	62236	87490	0.040	0.045
5) Heptachlor	6.919	7.273	261345	276988	0.064	0.061
6) d-BHC	6.760	7.215	94746	131126	0.089	0.100
7) Aldrin	7.165	7.532	13711	25429	0.003	0.006 #
8) Heptachlo...	7.622	8.008f	52220273	313025	14.283	0.078 #
9) trans-Chl...	7.722	8.097	433970	59909816	0.118	15.052 #
10) cis-Chlor...	7.807	0.000	88005937	0	24.296	N.D. #
11) Endosulfa...	7.915	8.265	260962	166304	0.077	0.046 #
12) 4,4'-DDE	7.907f	8.326	262010	159299	0.083	0.095
13) Dieldrin	8.075f	8.468	757137	53380696	0.202	13.705 #
14) Endrin	8.286	8.690	93575402	58013258	34.122	21.446 #
15) 4,4'-DDD	8.286	8.735	93575402	103.3E6	34.407	33.785
16) Endosulfa...	8.436	8.836	97417	128880	0.033	0.040
17) 4,4'-DDT	8.502	8.948	62478	104018	0.057	0.102 #
18) Endrin Al...	8.726	9.076	189061	176780	BelowCal	BelowCal
19) Endosulfa...	9.029	9.265	188411	96055	0.063	0.029 #
20) Methoxychlor	8.832	9.419	15370	20156	0.011	BelowCal #
21) Endrin Ke...	9.235	9.645	71724	60834363	0.019	15.574 #
23) Hexachlor...	3.475	3.703	78802280	94309654	24.628	24.815
24) Hexachlor...	6.069	6.453	79779430	94109412	23.850	23.646
25) Oxychlorane	7.553	7.902	77425998	84676703	23.975	24.058
26) 2,4'-DDE	7.622	8.097	52220273	59909816	24.552	24.688
27) trans-Non...	7.807	8.177	88005937	95054160	24.356	24.108
28) 2,4'-DDD	8.001	8.468	46590623	53380696	24.249	25.777
29) 2,4'-DDT	8.181	8.690	52493263	58013258	24.461	26.651

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:56
 Operator : MJB
 Sample : 0J15061-CALF
 Misc : A20I184, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:16 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

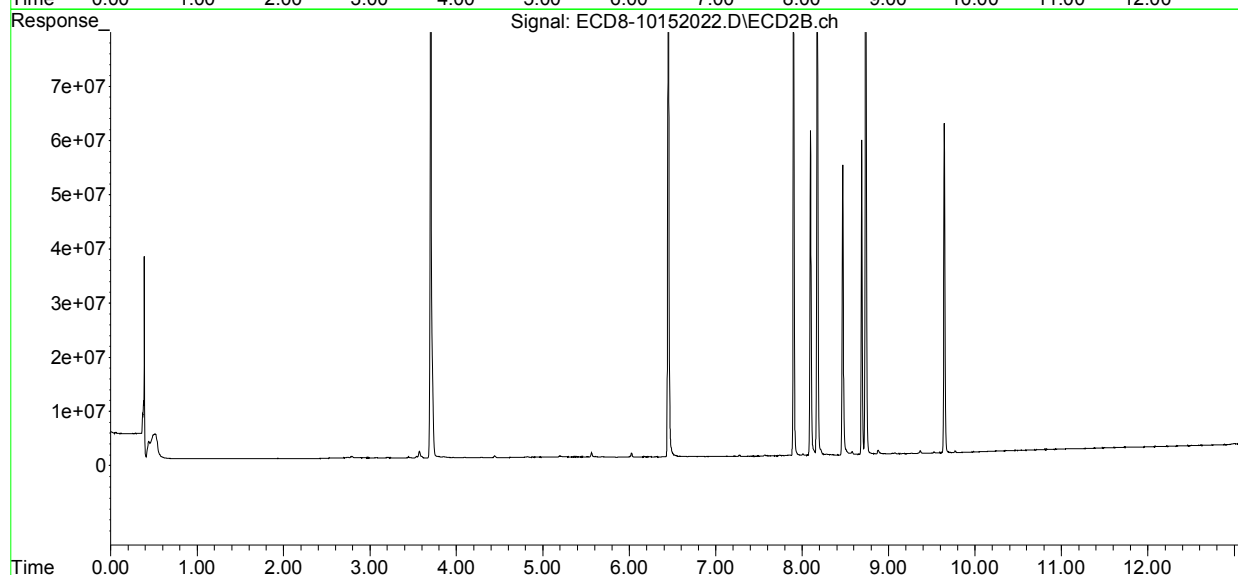
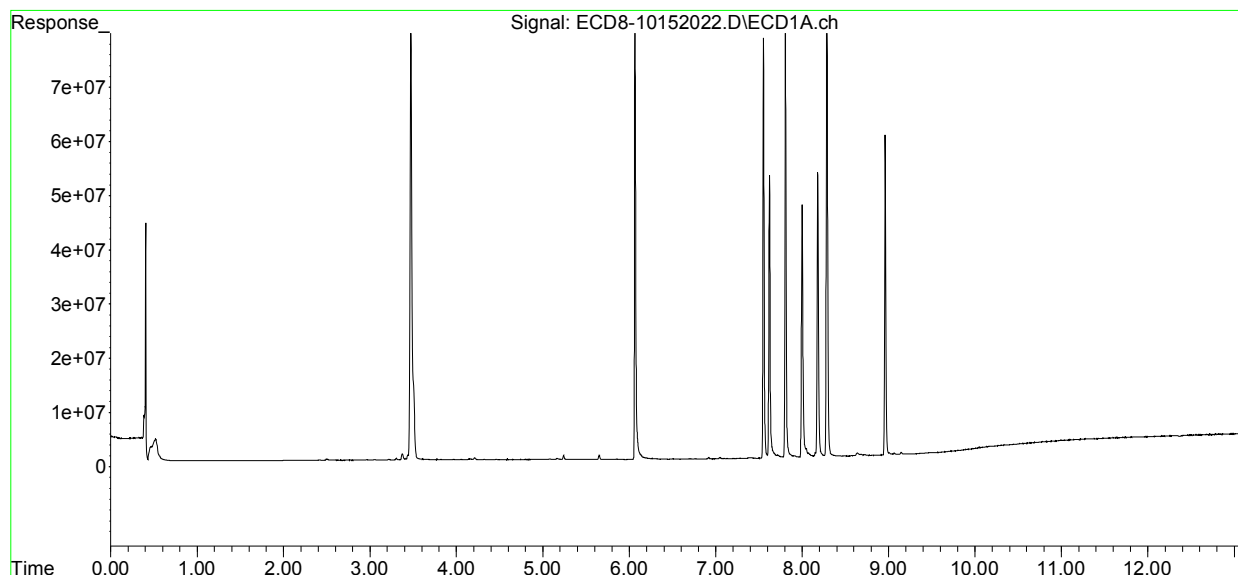
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.735	93575402	103.3E6	23.728	24.142
31)	Mirex	8.962	9.645	59074282	60834363	24.948	25.004
32)	Chlordane...	7.722	8.097	433970	59909816	1.053	122.983 #
33)	Chlordane...	7.807	8.177f	88005937	95054160	209.958	229.598
34)	Chlordane...	0.000	8.879	0	686959	N.D.	5.079 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.419f	88005937	16175	5915.661	0.426 #
37)	Toxaphene...	8.075f	0.000	757137	0	22.986	N.D. #
38)	Toxaphene...	8.436	8.836	97417	128880	1.405	1.832 #
39)	Toxaphene...	8.637	8.879	557909	686959	7.497	5.766
40)	Toxaphene...	8.886	9.076	7924	176780	0.133	2.566 #
41)	Toxaphene...	8.962	9.447	59074282	18915	877.447	0.253 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 22:56
Operator : MJB
Sample : 0J15061-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 14:41:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:12
 Operator : MJB
 Sample : 0J15061-CALG
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:21 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653f	5.989	1358241	48984	0.384	0.012 #
22) S DCBP (S)	9.883	10.512	161998	38221	BelowCal	0.016
Target Compounds						
2) a-BHC	6.228	6.625f	308160	92113	0.065	0.017 #
3) g-BHC	6.520	6.899	80112	27503	0.020	0.006 #
4) b-BHC	6.610	6.971	61477	70350	0.039	0.036
5) Heptachlor	6.920	7.273	427192	459407	0.105	0.100
6) d-BHC	6.762	7.218	99669	123514	0.091	0.098
7) Aldrin	7.163	7.530	23107	37776	0.006	0.009 #
8) Heptachlo...	7.621	8.008f	103.4E6	530245	28.273	0.132 #
9) trans-Chl...	7.722	8.096	715480	117.8E6	0.194	29.596 #
10) cis-Chlor...	7.807	0.000	169.1E6	0	46.675	N.D. #
11) Endosulfa...	7.916	8.268	528687	319301	0.155	0.089 #
12) 4,4'-DDE	0.000	8.325	0	358718	N.D.	0.154 #
13) Dieldrin	8.074f	8.467	1337325	107.8E6	0.356	27.128 #
14) Endrin	8.286	8.689	183.9E6	120.3E6	67.075	42.512 #
15) 4,4'-DDD	8.286	8.735	183.9E6	208.4E6	67.634	64.352
16) Endosulfa...	8.437	0.000	194510	0	0.066	N.D. #
17) 4,4'-DDT	8.498	8.947	139525	180426	0.088	0.130 #
18) Endrin Al...	8.725	9.076	237291	243893	BelowCal	BelowCal
19) Endosulfa...	9.064f	9.265	596466	87563	0.200	0.026 #
20) Methoxychlor	8.834	9.423	12455	30984	0.009	BelowCal #
21) Endrin Ke...	9.234	9.644	67044	123.5E6	0.018	31.609 #
23) Hexachlor...	3.474	3.702	168.1E6	209.9E6	51.814	53.291
24) Hexachlor...	6.069	6.453	159.6E6	193.4E6	47.699	48.604
25) Oxychlorane	7.553	7.902	149.6E6	170.3E6	46.319	48.387
26) 2,4'-DDE	7.621	8.096	103.4E6	117.8E6	48.599	48.544
27) trans-Non...	7.807	8.176	169.1E6	188.6E6	46.791	47.840
28) 2,4'-DDD	8.000	8.467	89007702	107.8E6	46.325	50.694
29) 2,4'-DDT	8.180	8.689	108.2E6	120.3E6	50.404	52.659

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:12
 Operator : MJB
 Sample : 0J15061-CALG
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:21 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

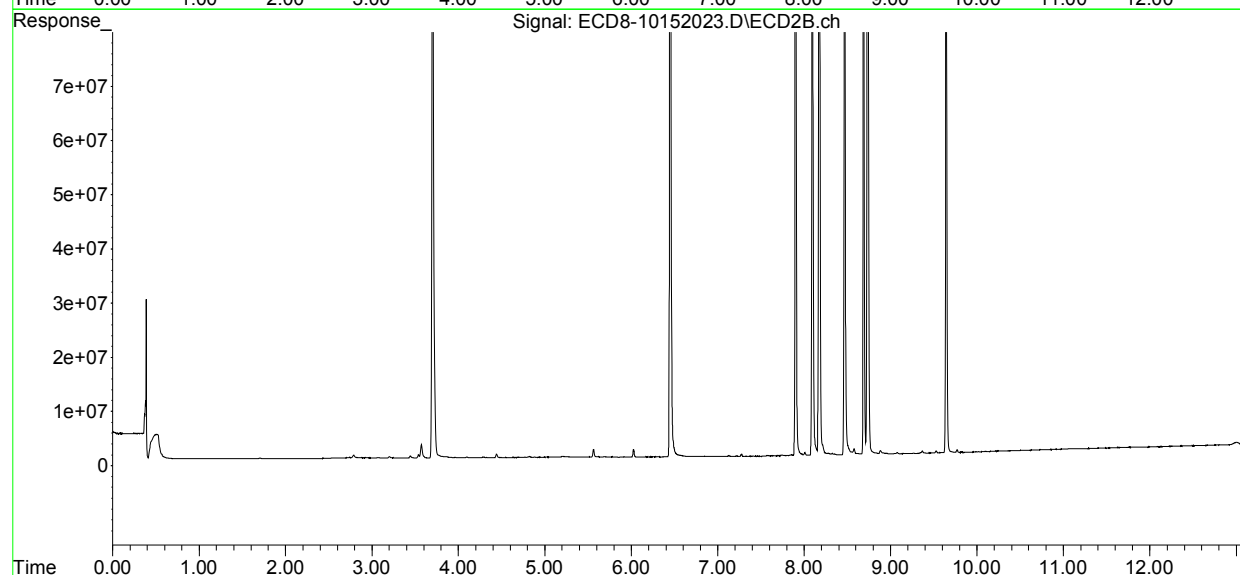
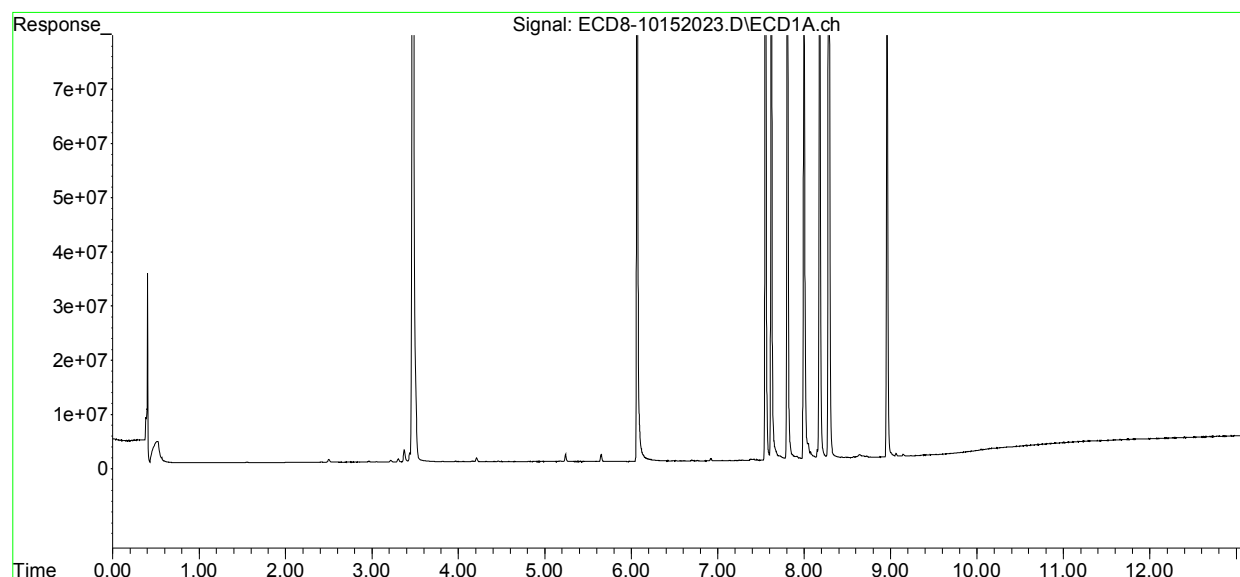
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.735	183.9E6	208.4E6	46.643	48.717
31)	Mirex	8.960	9.644	113.0E6	123.5E6	47.943	50.216
32)	Chlordane...	7.722	8.096	715480	117.8E6	1.737	241.815 #
33)	Chlordane...	7.807	8.176f	169.1E6	188.6E6	403.352	455.621
34)	Chlordane...	0.000	8.883	0	614166	N.D.	4.541 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.467f	169.1E6	107.8E6	11364.625	2835.963 #
37)	Toxaphene...	8.074f	0.000	1337325	0	40.600	N.D. #
38)	Toxaphene...	8.437	0.000	194510	0	2.806	N.D. #
39)	Toxaphene...	8.638	8.883	574074	614166	7.714	5.155 #
40)	Toxaphene...	8.887	9.076	5873	243893	0.099	3.540 #
41)	Toxaphene...	8.960	9.445	113.0E6	29849	1679.020	0.399 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 23:12
Operator : MJB
Sample : 0J15061-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 14:41:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:29
 Operator : MJB
 Sample : 0J15061-CALH
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653f	5.998	2500528	55352	0.707	0.014 #
22) S DCBP (S)	9.916	10.506	195687	39403	BelowCal	0.016
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.519	6.900	108360	39618	0.027	0.009 #
4) b-BHC	6.612	6.971	92482	106341	0.059	0.054
5) Heptachlor	6.920	7.274	773927	855952	0.191	0.187
6) d-BHC	6.762	7.218	130335	163231	0.101	0.108
7) Aldrin	7.162	7.533	26455	52854	0.007	0.012 #
8) Heptachlo...	7.620	8.008f	210.1E6	987495	57.476	0.246 #
9) trans-Chl...	7.722	8.096	1155162	256.1E6	0.314	64.349 #
10) cis-Chlor...	7.807	8.210	343.2E6	3247970	94.747	0.837 #
11) Endosulfa...	7.917	8.281	1051997	718288	0.309	0.200 #
12) 4,4'-DDE	0.000	8.326	0	754516	N.D.	0.270 #
13) Dieldrin	8.108	8.467	851957	222.6E6	0.227	53.963 #
14) Endrin	8.285	8.689	378.2E6	257.3E6	137.926	83.744 #
15) 4,4'-DDD	8.285	8.735	378.2E6	435.1E6	139.076	121.592
16) Endosulfa...	8.435	0.000	352102	0	0.120	N.D. #
17) 4,4'-DDT	8.499	8.946	294755	306089	0.150	0.177
18) Endrin Al...	8.722	9.077	386673	396286	BelowCal	BelowCal
19) Endosulfa...	9.004f	9.265	1467429	88445	0.491	0.027 #
20) Methoxychlor	8.835	9.425	23930	50513	0.017	BelowCal #
21) Endrin Ke...	9.234	9.645	75056	254.5E6	0.020	65.160 #
23) Hexachlor...	3.475	3.703	320.7E6	403.4E6	96.154	96.801
24) Hexachlor...	6.069	6.453	322.5E6	403.2E6	96.424	101.308
25) Oxychlorane	7.553	7.902	304.8E6	351.7E6	94.376	99.919
26) 2,4'-DDE	7.620	8.096	210.1E6	256.1E6	98.797	105.547
27) trans-Non...	7.807	8.177	343.2E6	405.2E6	94.982	102.758
28) 2,4'-DDD	7.999	8.467	185.8E6	222.6E6	96.716	99.241
29) 2,4'-DDT	8.180	8.689	220.7E6	257.3E6	102.848	102.868

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:29
 Operator : MJB
 Sample : 0J15061-CALH
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

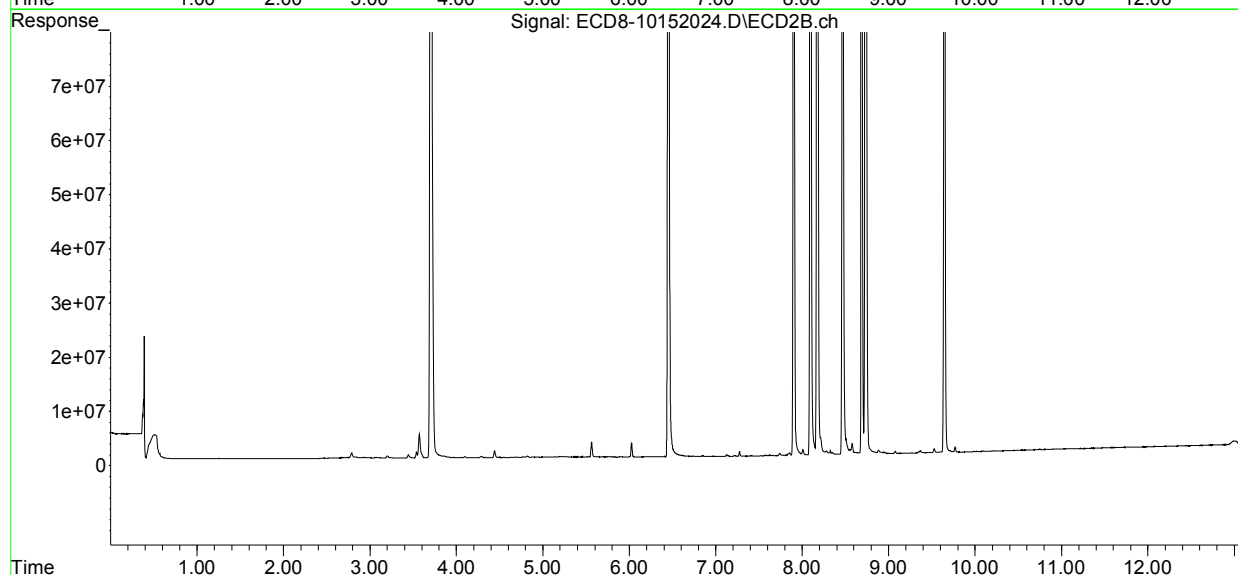
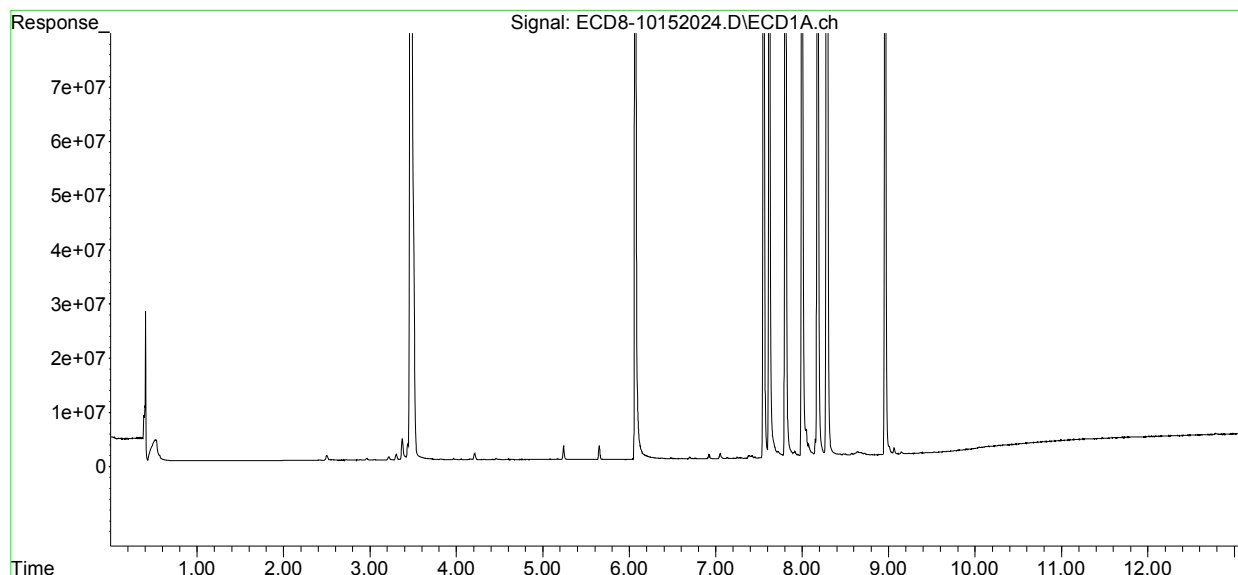
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.735	378.2E6	435.1E6	95.913	101.715
31)	Mirex	8.961	9.645	228.7E6	254.5E6	96.979	100.420
32)	Chlordane...	7.722	8.096	1155162	256.1E6	2.804	525.767 #
33)	Chlordane...	7.807	8.210	343.2E6	3247970	818.770	7.845 #
34)	Chlordane...	0.000	8.884	0	628302	N.D.	4.645 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.467f	343.2E6	222.6E6	23069.211	5858.107 #
37)	Toxaphene...	8.108	0.000	851957	0	25.865	N.D. #
38)	Toxaphene...	8.435	0.000	352102	0	5.079	N.D. #
39)	Toxaphene...	8.640	8.884	716891	628302	9.633	5.274 #
40)	Toxaphene...	0.000	9.077	0	396286	N.D.	5.752 #
41)	Toxaphene...	8.961	9.430	228.7E6	51415	3397.033	0.687 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 23:29
Operator : MJB
Sample : 0J15061-CALH
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 14:41:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:46
 Operator : MJB
 Sample : 0J15061-CALI
 Misc : A20I179, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

MJB 10/21/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.653f	5.989	4852405	83170	1.372	0.021 #
22) S DCBP (S)	9.905	10.505	267494	99106	BelowCal	0.041
Target Compounds						
2) a-BHC	6.231	6.582	801838	712587	0.170	0.133
3) g-BHC	6.520	6.899	274186	206430	0.068	0.044 #
4) b-BHC	6.607	6.969	254182	301686	0.163	0.154
5) Heptachlor	6.919	7.272	1576391	1729799	0.388	0.378
6) d-BHC	6.758	7.215	383149	489755	0.183	0.189
7) Aldrin	7.160	7.534	154336	174432	0.039	0.041
8) Heptachlo...	7.619	7.967	453.7E6	893169	124.101	0.222 #
9) trans-Chl...	7.721	8.095	1995927	567.8E6	0.542	142.647 #
10) cis-Chlor...	7.806	8.210	742.7E6	4736942	205.032	1.221 #
11) Endosulfa...	7.917	8.280	2375996	1063454	0.699	0.296 #
12) 4,4'-DDE	0.000	8.325	0	1845358	N.D.	0.592 #
13) Dieldrin	8.073f	8.466	4108469	497.7E6	1.094	111.771 #
14) Endrin	8.285	8.688	802.3E6	567.1E6	292.565	160.925 #
15) 4,4'-DDD	8.285	8.734	802.3E6	961.3E6	295.004	228.230
16) Endosulfa...	8.435	8.835	712668	683162	0.242	0.210
17) 4,4'-DDT	8.498	8.953	731595	633853	0.325	0.298
18) Endrin Al...	8.723	9.075	840830	908964	BelowCal	0.039
19) Endosulfa...	9.003f	9.265	2301163	309513	0.770	0.093 #
20) Methoxychlor	8.833	9.424	129275	183552	0.094	0.080
21) Endrin Ke...	9.234	9.644	303060	538.2E6	0.082	137.790 #
23) Hexachlor...	3.477	3.704	721.1E6	947.4E6	202.297	200.581
24) Hexachlor...	6.070	6.454	676.2E6	870.6E6	202.145	218.750
25) Oxychlorane	7.552	7.901	646.9E6	749.5E6	200.301	212.937
26) 2,4'-DDE	7.619	8.095	453.7E6	567.8E6	213.321	233.972
27) trans-Non...	7.806	8.176	742.7E6	873.1E6	205.541	221.426
28) 2,4'-DDD	7.997	8.466	398.4E6	497.7E6	207.369	199.759
29) 2,4'-DDT	8.179	8.688	475.5E6	567.1E6	221.569	195.348

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:46
 Operator : MJB
 Sample : 0J15061-CALI
 Misc : A20I179, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 21 14:41:31 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

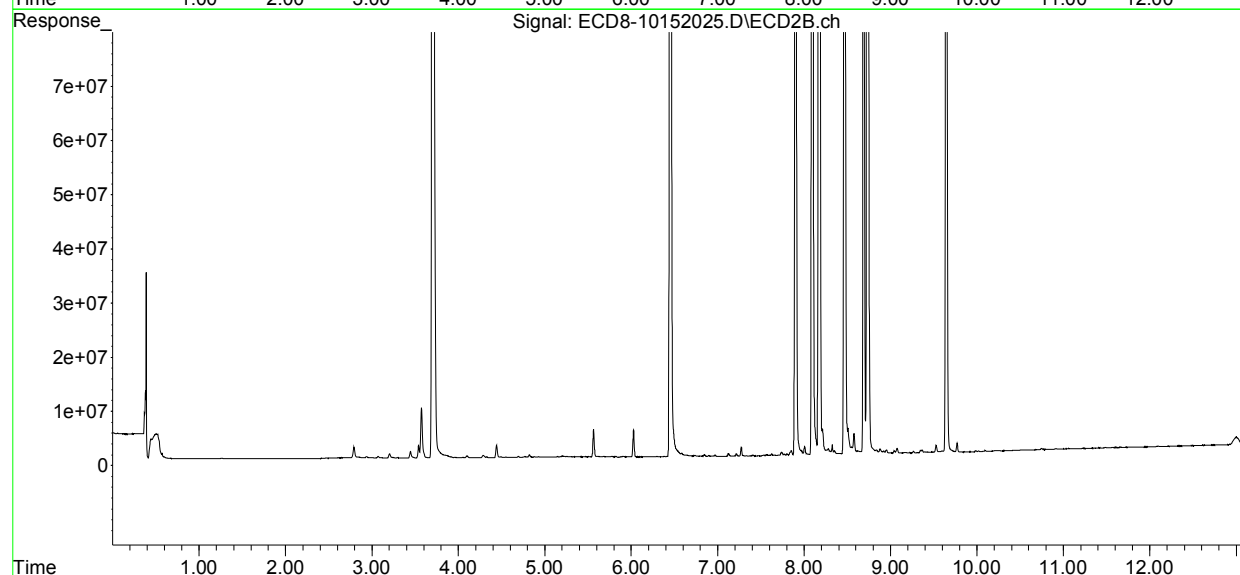
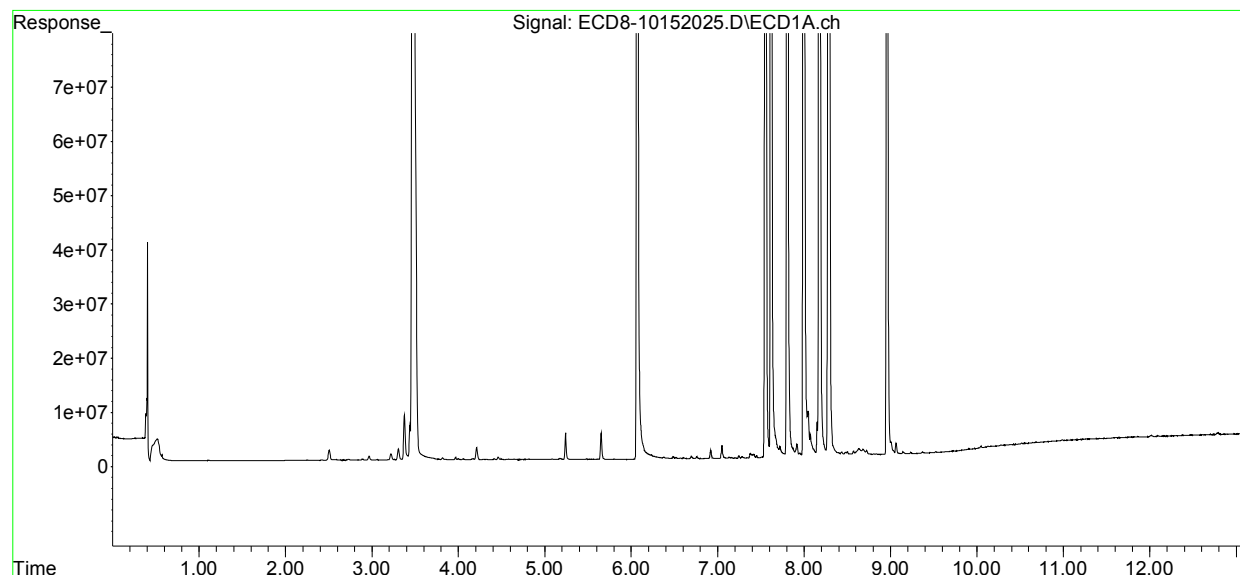
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.734	802.3E6	961.3E6	203.447	224.714
31)	Mirex	8.960	9.644	486.2E6	538.2E6	204.967	199.611
32)	Chlordane...	7.721	8.095	1995927	567.8E6	4.845	1165.500 #
33)	Chlordane...	7.806	8.210	742.7E6	4736942	1771.821	11.442 #
34)	Chlordane...	0.000	8.879	0	831463	N.D.	6.148 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.806	8.466f	742.7E6	497.7E6	49921.875	13096.089 #
37)	Toxaphene...	8.073f	0.000	4108469	0	124.731	N.D. #
38)	Toxaphene...	8.435	8.835	712668	683162	10.280	9.713
39)	Toxaphene...	8.679f	8.879	1078460	831463	14.491	6.979 #
40)	Toxaphene...	8.868f	9.075	18678	908964	0.315	13.194 #
41)	Toxaphene...	8.960	9.447	486.2E6	122200	7222.109	1.632 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 23:46
Operator : MJB
Sample : 0J15061-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 21 14:41:31 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:35
 Operator : MJB
 Sample : 0J15061-CALJ
 Misc : A20J277, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:34:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1)	S TCMX (S)	0.000	6.006	0	221308	N.D.	0.055 #
22)	S DCBP (S)	9.905	10.509	173374	69161	BelowCal	0.029
Target Compounds							
2)	a-BHC	6.212f	6.587	17226	24795	0.004	0.005 #
3)	g-BHC	6.519	6.903	39463	47365	0.010	0.010
4)	b-BHC	6.611	6.973	76764	39883	0.049	0.020 #
5)	Heptachlor	6.919	7.273	1986647	2146157	0.489	0.469
6)	d-BHC	6.764	7.217	125725	88056	0.099	0.089
7)	Aldrin	7.176	7.534	15808	20583	0.004	0.005
8)	Heptachlo...	7.629	7.973	338221	67850	0.093	0.017 #
9)	trans-Chl...	7.726	8.111	4101623	4425582	1.114	1.112
10)	cis-Chlor...	7.820	8.217	4385167	4119232	1.211	1.062
11)	Endosulfa...	7.940	8.281	123062	81765	0.036	0.023 #
12)	4,4'-DDE	7.884	8.318	200071	133912	0.063	0.087 #
13)	Dieldrin	8.114	8.468	130374	397390	0.035	0.120 #
14)	Endrin	8.259	8.689	71386	125823	0.026	0.075 #
15)	4,4'-DDD	8.287	8.736	833739	986216	0.307	0.347
16)	Endosulfa...	8.430	8.826	79988	111565	0.027	0.034 #
17)	4,4'-DDT	8.502	8.948	97970	126064	0.071	0.110 #
18)	Endrin Al...	8.728	9.072	135716	100247	BelowCal	BelowCal
19)	Endosulfa...	9.032	9.265	224182	176094	0.075	0.053 #
20)	Methoxychlor	8.838	9.424	35161	54726	0.026	BelowCal #
21)	Endrin Ke...	9.234	9.658	164530	238435	0.044	0.061 #
23)	Hexachlor...	0.000	3.717	0	51548	N.D.	BelowCal
24)	Hexachlor...	6.068	6.452	54295	57452	0.016	0.014
25)	Oxychlorane	7.551	7.904	33845	46935	0.010	0.013 #
26)	2,4'-DDE	7.629	8.111	338221	4425582	0.157	1.799 #
27)	trans-Non...	7.820	8.177	4385167	3611207	1.203	0.903
28)	2,4'-DDD	8.005	8.468	127856	397390	0.066	0.174 #
29)	2,4'-DDT	8.200	8.689	6670	125823	0.003	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:35
 Operator : MJB
 Sample : 0J15061-CALJ
 Misc : A20J277, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:34:08 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

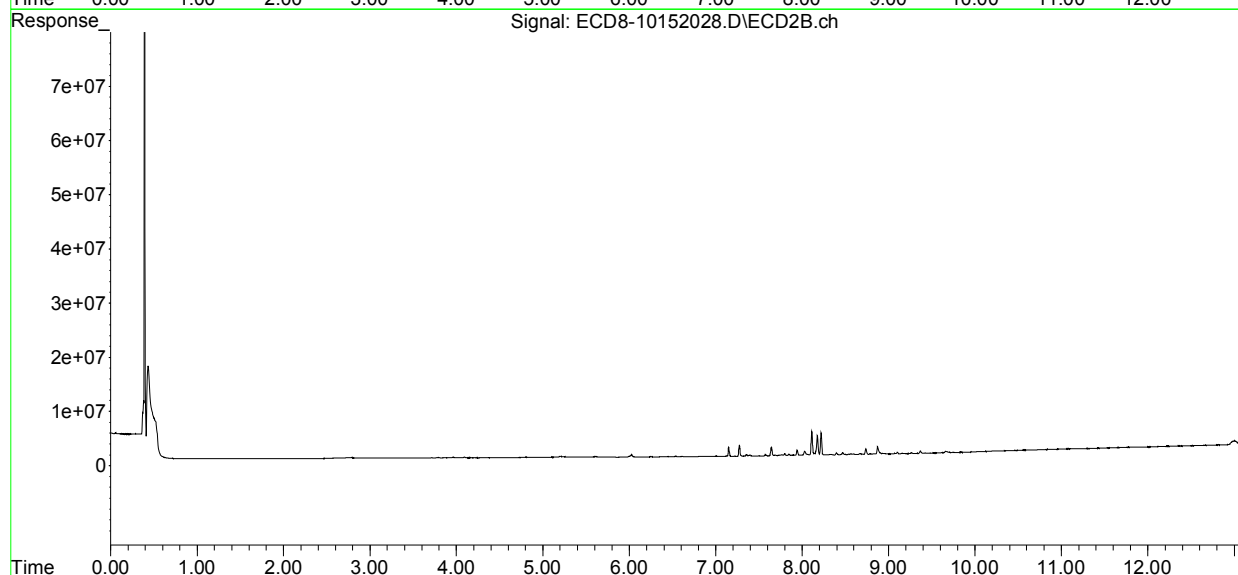
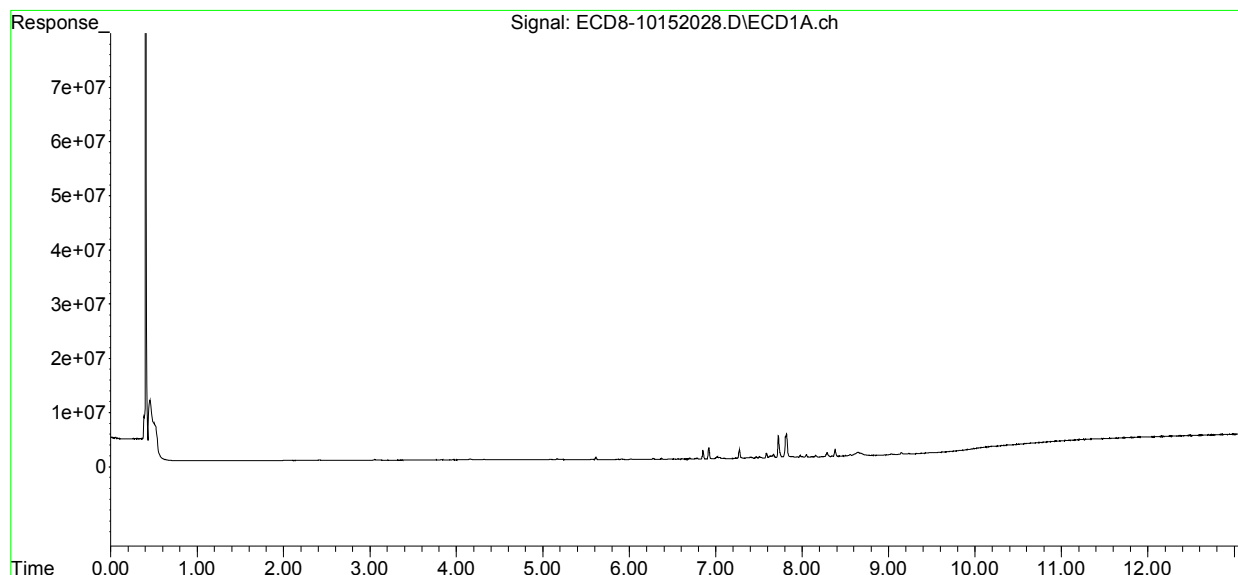
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.736	833739	986216	0.209	0.227
31)	Mirex	8.965	9.658	23549	238435	BelowCal	BelowCal
32)	Chlordane...	7.726	8.111	4101623	4425582	9.957	9.085
33)	Chlordane...	7.820	8.217	4385167	4119232	10.462	9.950
34)	Chlordane...	8.380	8.873	1337616	1424459	10.373	10.532
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.820	8.468f	4385167	397390	294.766	10.456 #
37)	Toxaphene...	8.114	8.789	130374	131453	3.958	2.788 #
38)	Toxaphene...	8.430	8.826	79988	111565	1.154	1.586 #
39)	Toxaphene...	8.644	8.873	705741	1424459	9.483	11.957 #
40)	Toxaphene...	8.868f	9.072	17081	100247	0.288	1.455 #
41)	Toxaphene...	8.965	9.448	23549	28584	0.350	0.382
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 00:35
Operator : MJB
Sample : 0J15061-CALJ
Misc : A20J277, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:34:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:52
 Operator : MJB
 Sample : 0J15061-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:34:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.989	0	33174	N.D.	0.008 #
22) S DCBP (S)	0.000	10.529f	0	65966	N.D.	0.027 #
Target Compounds						
2) a-BHC	6.254f	6.615f	23129	580064	0.005	0.108 #
3) g-BHC	6.524	6.912	33804	252216	0.008	0.054 #
4) b-BHC	6.611	6.970	274416	45275	0.176	0.023 #
5) Heptachlor	6.919	7.273	8991697	9384897	2.216	2.050
6) d-BHC	6.764	7.214	344304	120082	0.170	0.097 #
7) Aldrin	7.175	7.548	112488	123992	0.029	0.029
8) Heptachlo...	7.635	7.989	1426113	548176	0.390	0.137 #
9) trans-Chl...	7.725	8.111	19538919	22190571	5.306	5.575
10) cis-Chlor...	7.820	8.217	20854744	18468542	5.757	4.760
11) Endosulfa...	7.940	8.281	514148	311801	0.151	0.087 #
12) 4,4'-DDE	7.885	8.317	669544	549016	0.212	0.210
13) Dieldrin	8.112	8.468	640327	1811484	0.170	0.490 #
14) Endrin	8.286	8.688	3694204	504303	1.347	0.222 #
15) 4,4'-DDD	8.286	8.736	3694204	3883327	1.358	1.357
16) Endosulfa...	8.426	8.826	413884	483861	0.141	0.149
17) 4,4'-DDT	8.471f	8.947	123263	375579	0.082	0.203 #
18) Endrin Al...	8.741	9.072	103937	183457	BelowCal	BelowCal
19) Endosulfa...	9.029	9.266	334776	62674	0.112	0.019 #
20) Methoxychlor	8.839	9.425	82567	21885	0.060	BelowCal #
21) Endrin Ke...	9.236	9.658	69829	302682	0.019	0.077 #
23) Hexachlor...	0.000	3.715	0	36748	N.D.	BelowCal
24) Hexachlor...	6.066	6.451	24859	29266	0.007	0.007
25) Oxychlorane	7.584f	7.885	3823638	260960	1.174	0.073 #
26) 2,4'-DDE	7.635	8.083	1426113	565479	0.662	0.230 #
27) trans-Non...	7.820	8.176	20854744	16292621	5.721	4.074 #
28) 2,4'-DDD	8.003	8.468	547005	1811484	0.282	0.792 #
29) 2,4'-DDT	8.158f	8.688	1450498	504303	0.667	0.104 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:52
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:34:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

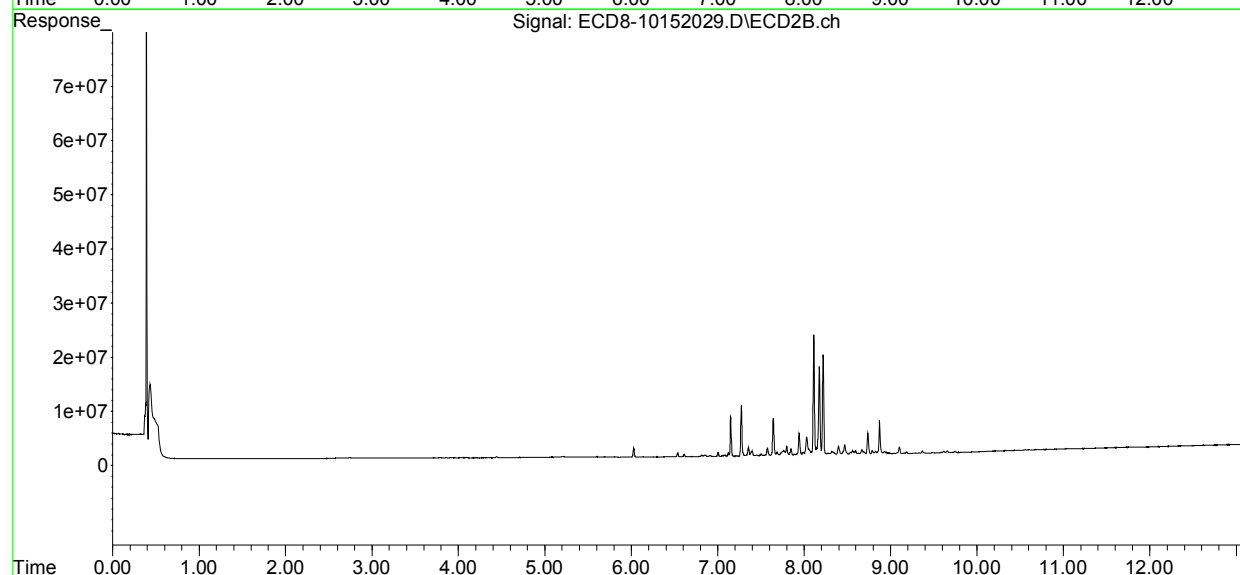
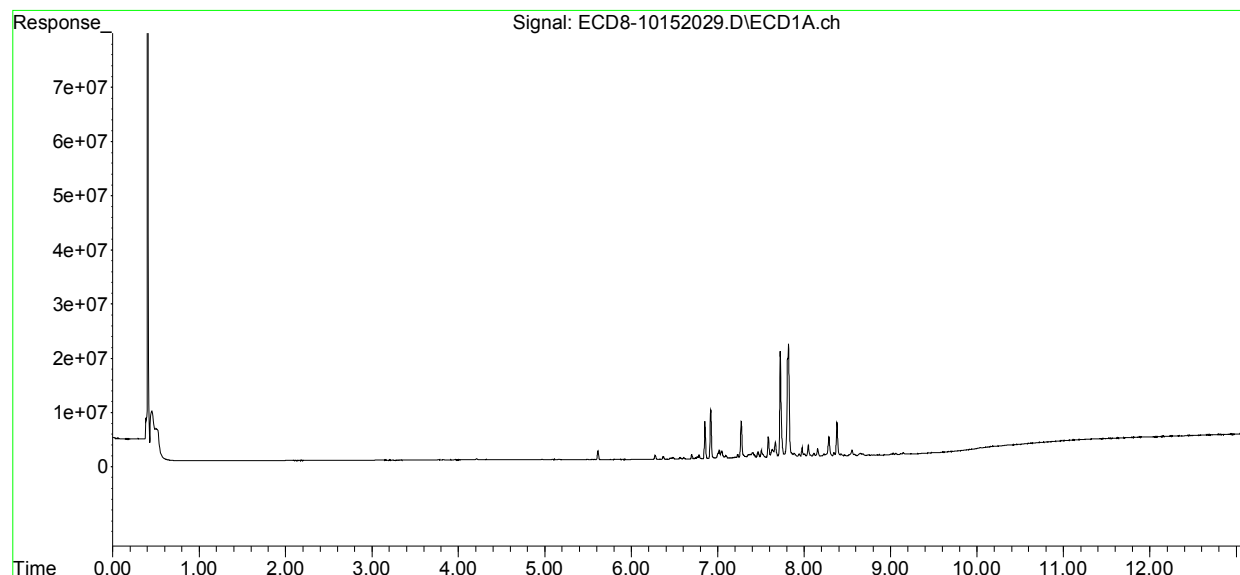
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.736	3694204	3883327	0.926	0.895
31)	Mirex	8.964	9.658	19461	302682	BelowCal	BelowCal
32)	Chlordane...	7.725	8.111	19538919	22190571	47.430	45.553
33)	Chlordane...	7.820	8.217	20854744	18468542	49.754	44.610
34)	Chlordane...	8.379	8.873	6256198	6150473	48.514	45.475
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.820	8.468f	20854744	1811484	1401.833	47.664 #
37)	Toxaphene...	8.112	8.789	640327	611009	19.440	12.960 #
38)	Toxaphene...	8.426	8.826	413884	483861	5.970	6.880
39)	Toxaphene...	8.649	8.873	456959	6150473	6.140	51.627 #
40)	Toxaphene...	8.869f	9.072	105054	183457	1.770	2.663 #
41)	Toxaphene...	8.964	9.449	19461	10590	0.289	0.141 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 00:52
Operator : MJB
Sample : 0J15061-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: Oct 20 17:34:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:08
 Operator : MJB
 Sample : 0J15061-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:35:02 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.680	5.963f	20660	23665	0.006	0.006
22) S DCBP (S)	9.905	10.473f	199559	73652	BelowCal	0.030
Target Compounds						
2) a-BHC	6.258f	6.577	54537	18735	0.012	0.004 #
3) g-BHC	6.528	6.912	49575	493025	0.012	0.106 #
4) b-BHC	6.611	6.971	517801	54950	0.332	0.028 #
5) Heptachlor	6.920	7.272	18093909	20519528	4.458	4.483
6) d-BHC	6.765	7.213	608290	177077	0.256	0.111 #
7) Aldrin	7.180	7.500f	251385	752437	0.064	0.176 #
8) Heptachlo...	7.635	7.989	2867507	1101957	0.784	0.274 #
9) trans-Chl...	7.725	8.110	40102111	46516148	10.889	11.687
10) cis-Chlor...	7.819	8.216	40925321	39446568	11.298	10.167
11) Endosulfa...	7.939	8.282	1068395	703497	0.314	0.196 #
12) 4,4'-DDE	7.884	8.316	1315261	1068876	0.417	0.363
13) Dieldrin	8.112	8.468	1346652	3842608	0.358	1.020 #
14) Endrin	8.286	8.688	7134309	1003287	2.602	0.414 #
15) 4,4'-DDD	8.286	8.735	7134309	7621823	2.623	2.655
16) Endosulfa...	8.426	8.825	895588	1003790	0.304	0.308
17) 4,4'-DDT	8.469f	8.947	349089	758528	0.172	0.345 #
18) Endrin Al...	8.741	9.100f	229587	2393213	BelowCal	0.549
19) Endosulfa...	9.030	9.265	581129	59892	0.194	0.018 #
20) Methoxychlor	8.840	9.419	195441	44271	0.142	BelowCal #
21) Endrin Ke...	9.238	9.658	76462	522438	0.021	0.134 #
23) Hexachlor...	0.000	3.717	0	43921	N.D.	BelowCal
24) Hexachlor...	6.064	6.422f	29854	110566	0.009	0.027 #
25) Oxychlorane	7.584f	7.883	7690311	537030	2.362	0.150 #
26) 2,4'-DDE	7.635	8.110	2867507	46516148	1.332	18.912 #
27) trans-Non...	7.819	8.176	40925321	34061650	11.227	8.517
28) 2,4'-DDD	8.002	8.468	1148787	3842608	0.591	1.680 #
29) 2,4'-DDT	8.198	8.688	349223	1003287	0.161	0.343 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:08
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:35:02 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

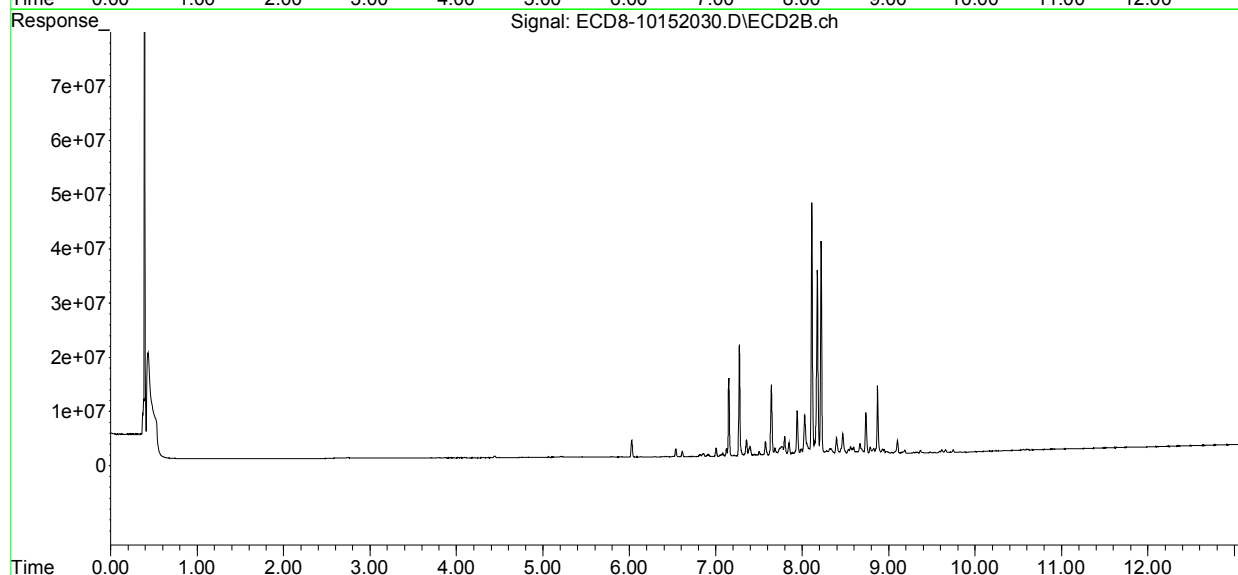
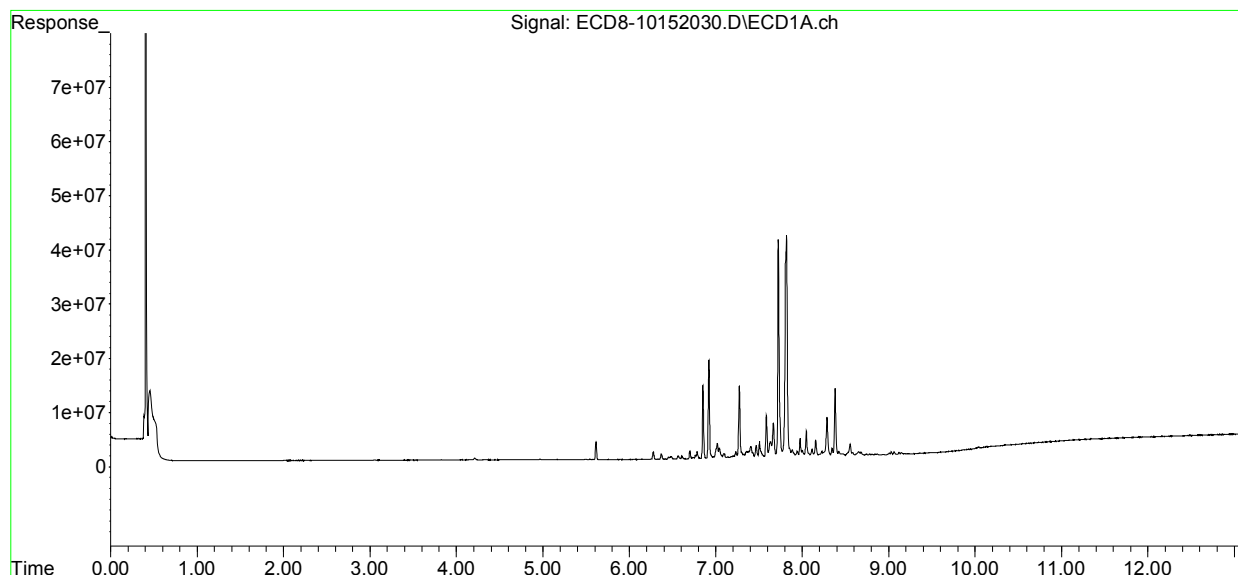
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.735	7134309	7621823	1.788	1.756
31)	Mirex	8.971	9.658	3477	522438	BelowCal	BelowCal
32)	Chlordane...	7.725	8.110	40102111	46516148	97.346	95.488
33)	Chlordane...	7.819	8.216	40925321	39446568	97.637	95.281
34)	Chlordane...	8.379	8.872	12465253	12535896	96.663	92.687
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.468f	40925321	3842608	2750.954	101.106 #
37)	Toxaphene...	8.112	8.788	1346652	1280764	40.884	27.167 #
38)	Toxaphene...	8.426	8.825	895588	1003790	12.919	14.272
39)	Toxaphene...	8.651	8.872	748684	12535896	10.060	105.227 #
40)	Toxaphene...	8.869f	9.039f	218849	240755	3.687	3.495
41)	Toxaphene...	8.971	9.449	3477	26950	0.052	0.360 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 1:08
Operator : MJB
Sample : 0J15061-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: Oct 20 17:35:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:24
 Operator : MJB
 Sample : 0J15061-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:35:10 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	5.961f	31459	27231	0.009	0.007
22) S DCBP (S)	9.919	10.470f	296432	101108	BelowCal	0.042
Target Compounds						
2) a-BHC	6.225	6.615f	38484	1981545	0.008	0.370 #
3) g-BHC	6.530	6.912	70116	906084	0.017	0.195 #
4) b-BHC	6.611	6.953	973165	148972	0.623	0.076 #
5) Heptachlor	6.918	7.272	37810761	41611295	9.316	9.092
6) d-BHC	6.765	7.213	1109130	350439	0.419	0.154 #
7) Aldrin	7.175	7.500f	584213	1549820	0.149	0.363 #
8) Heptachlo...	7.634	7.989	5621933	2211943	1.538	0.551 #
9) trans-Chl...	7.723	8.110	83839566	95919284	22.766	24.099
10) cis-Chlor...	7.819	8.217	83684527	81115667	23.103	20.908
11) Endosulfa...	7.939	8.282	2223566	1584161	0.654	0.440 #
12) 4,4'-DDE	7.883	8.315	2536038	2230150	0.805	0.706
13) Dieldrin	8.111	8.467	2734489	8368576	0.728	2.199 #
14) Endrin	8.286	8.688	14566305	2105793	5.312	0.840 #
15) 4,4'-DDD	8.286	8.735	14566305	15298762	5.356	5.299
16) Endosulfa...	8.425	8.825	1843694	2198745	0.626	0.675
17) 4,4'-DDT	8.470f	8.947	797744	1545792	0.352	0.636 #
18) Endrin Al...	8.740	9.100f	466107	4685425	BelowCal	1.335
19) Endosulfa...	9.029	9.265	1100818	139424	0.368	0.042 #
20) Methoxychlor	8.839	9.422	416130	115004	0.302	0.031 #
21) Endrin Ke...	9.237	9.657	101374	1006446	0.027	0.258 #
23) Hexachlor...	3.475	3.716	14721	39636	BelowCal	BelowCal
24) Hexachlor...	6.057	6.478f	61999	64875	0.018	0.016
25) Oxychlorane	7.583f	7.884	15774576	1110879	4.845	0.311 #
26) 2,4'-DDE	7.634	8.110	5621933	95919284	2.611	38.999 #
27) trans-Non...	7.819	8.176	83684527	71289498	22.957	17.825
28) 2,4'-DDD	8.002	8.467	2329243	8368576	1.199	3.659 #
29) 2,4'-DDT	8.157f	8.688	6477923	2105793	2.979	0.871 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:24
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:35:10 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

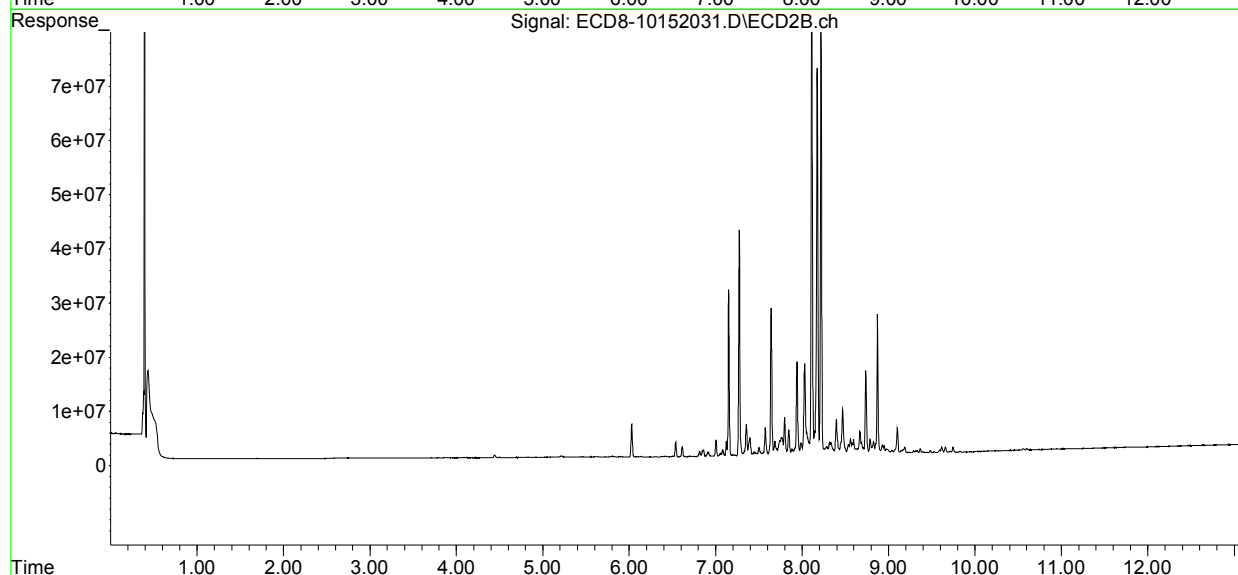
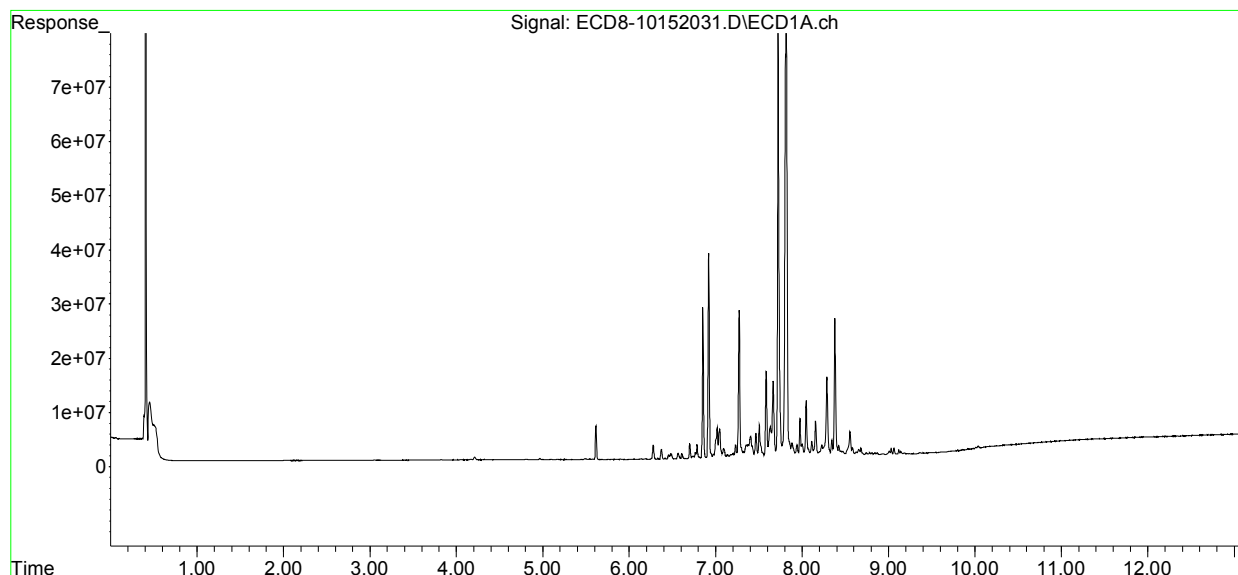
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.735	14566305	15298762	3.651	3.525
31)	Mirex	8.929f	9.657	173275	1006446	BelowCal	0.088
32)	Chlordane...	7.723	8.110	83839566	95919284	203.517	196.903
33)	Chlordane...	7.819	8.217	83684527	81115667	199.648	195.931
34)	Chlordane...	8.378	8.872	25372320	25782833	196.751	190.631
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.467f	83684527	8368576	5625.180	220.193 #
37)	Toxaphene...	8.111	8.789	2734489	2633442	83.018	55.859 #
38)	Toxaphene...	8.425	8.825	1843694	2198745	26.596	31.262
39)	Toxaphene...	8.653	8.872	1104477	25782833	14.841	216.422 #
40)	Toxaphene...	8.869f	9.038f	462389	570311	7.789	8.279
41)	Toxaphene...	8.929f	9.450	173275	109397	2.574	1.461 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 1:24
Operator : MJB
Sample : 0J15061-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: Oct 20 17:35:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:41
 Operator : MJB
 Sample : 0J15061-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:35:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	6.001	110799	116318	0.031	0.029
22) S	DCBP (S)	9.921	10.507	424514	68123	BelowCal	0.028
Target Compounds							
2)	a-BHC	6.223	6.614f	79840	4224724	0.017	0.790 #
3)	g-BHC	6.530	6.912	205799	2103527	0.051	0.452 #
4)	b-BHC	6.610	6.964	2242528	279901	1.437	0.143 #
5)	Heptachlor	6.918	7.272	92217127	101.7E6	22.722	22.216
6)	d-BHC	6.764	7.211	2561930	726297	0.892	0.247 #
7)	Aldrin	7.175	7.545	1455495	1354986	0.371	0.317
8)	Heptachlo...	7.634	7.988	14127912	5379798	3.864	1.340 #
9)	trans-Chl...	7.723	8.109	209.0E6	255.1E6	56.764	64.103
10)	cis-Chlor...	7.818	8.216	206.6E6	207.8E6	57.034	53.554
11)	Endosulfa...	7.938	8.281	5464012	3658127	1.606	1.017 #
12)	4,4'-DDE	7.882	8.315	6165178	5290134	1.957	1.606
13)	Dieldrin	8.110	8.466	6569286	21901890	1.749	5.699 #
14)	Endrin	8.285	8.686	35687502	4863760	13.014	1.901 #
15)	4,4'-DDD	8.285	8.734	35687502	38638907	13.122	13.168
16)	Endosulfa...	8.425	8.823	4512772	5150741	1.532	1.582
17)	4,4'-DDT	8.496	8.946	991069	3787211	0.429	1.464 #
18)	Endrin Al...	8.740	9.099f	1240449	11436414	0.137	3.645 #
19)	Endosulfa...	9.029	9.243f	2575717	468116	0.862	0.141 #
20)	Methoxychlor	8.839	9.420	1146618	310246	0.833	0.170 #
21)	Endrin Ke...	9.237	9.656	188435	2246036	0.051	0.575 #
23)	Hexachlor...	3.438f	3.700	17291	22765	BelowCal	BelowCal
24)	Hexachlor...	6.069	6.422f	114292	421085	0.034	0.104 #
25)	Oxychlorane	7.582f	7.883	39906229	2641914	12.257	0.740 #
26)	2,4'-DDE	7.634	8.109	14127912	255.1E6	6.561	103.736 #
27)	trans-Non...	7.818	8.175	206.6E6	177.4E6	56.675	44.369
28)	2,4'-DDD	8.001	8.466	5749963	21901890	2.960	9.576 #
29)	2,4'-DDT	8.156f	8.686	15530262	4863760	7.142	2.187 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:41
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:35:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

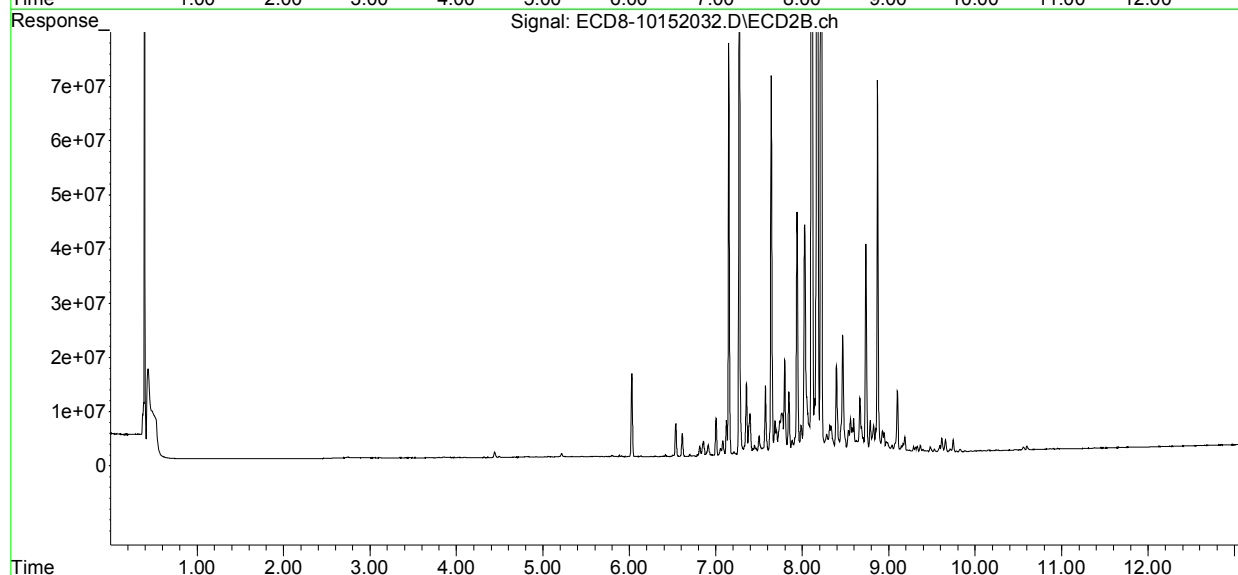
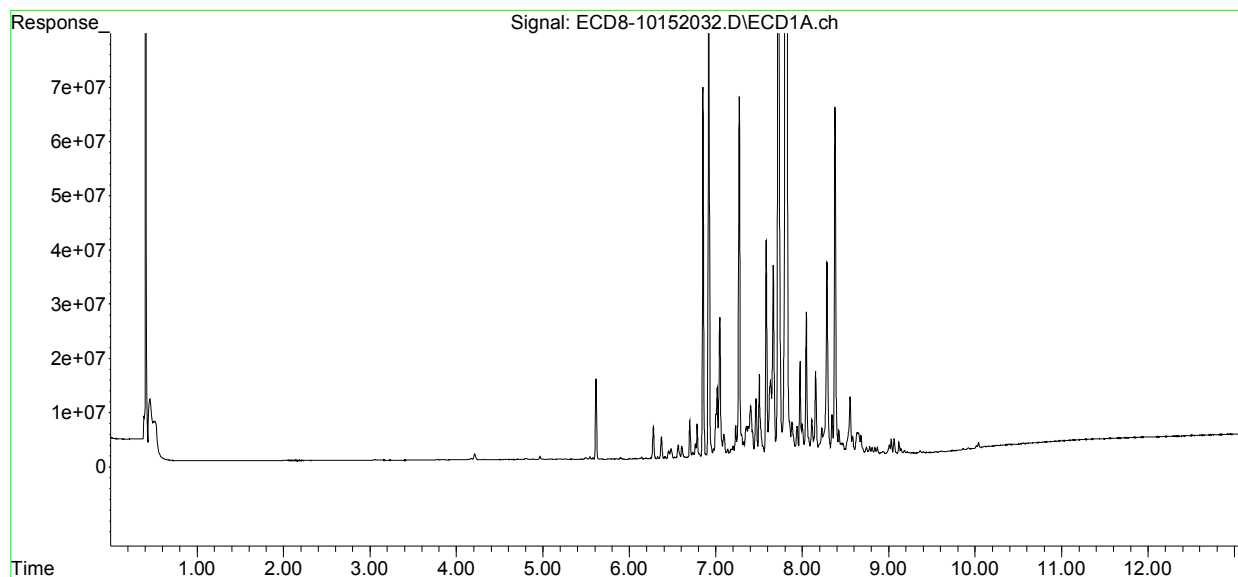
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.734	35687502	38638907	8.945	8.902
31)	Mirex	8.938f	9.656	418978	2246036	BelowCal	0.607
32)	Chlordane...	7.723	8.109	209.0E6	255.1E6	507.446	523.757
33)	Chlordane...	7.818	8.216	206.6E6	207.8E6	492.869	501.859
34)	Chlordane...	8.378	8.871	64135607	68754277	497.343	508.349
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.466f	206.6E6	21901890	13886.810	576.281 #
37)	Toxaphene...	8.110	8.788	6569286	6082032	199.440	129.009 #
38)	Toxaphene...	8.425	8.823	4512772	5150741	65.097	73.234
39)	Toxaphene...	8.648	8.871	3956278	68754277	53.161	577.125 #
40)	Toxaphene...	8.868f	9.099f	1174027	11436414	19.777	166.009 #
41)	Toxaphene...	8.938f	9.449	418978	293849	6.223	3.924 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 1:41
Operator : MJB
Sample : 0J15061-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: Oct 20 17:35:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:58
 Operator : MJB
 Sample : 0J15061-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:35:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.681	6.001	169291	71198	0.048	0.018 #
22) S DCBP (S)	9.892	10.523	176455	94741	BelowCal	0.039
Target Compounds						
2) a-BHC	6.223	6.615f	144304	7589500	0.031	1.419 #
3) g-BHC	6.529	6.912	409459	3837984	0.102	0.825 #
4) b-BHC	6.610	6.955	4326177	488660	2.772	0.250 #
5) Heptachlor	6.918	7.272	180.3E6	210.9E6	44.429	46.081
6) d-BHC	6.764	7.211	5010884	1179359	1.687	0.359 #
7) Aldrin	7.175	7.545	2528207	2004920	0.644	0.470 #
8) Heptachlo...	7.633	7.987	26358676	10115550	7.210	2.519 #
9) trans-Chl...	7.722	8.110	397.3E6	490.1E6	107.890	123.129
10) cis-Chlor...	7.818	8.216	397.5E6	427.7E6	109.729	110.252
11) Endosulfa...	7.938	8.282	10732001	7915123	3.155	2.201 #
12) 4,4'-DDE	7.882	8.315	11971064	9992135	3.799	2.982
13) Dieldrin	8.110	8.467	12585414	46869135	3.350	12.064 #
14) Endrin	8.286	8.687	70487451	9590399	25.703	3.708 #
15) 4,4'-DDD	8.286	8.735	70487451	76378208	25.918	25.399
16) Endosulfa...	8.425	8.823	9079282	10387840	3.082	3.190
17) 4,4'-DDT	8.495	8.947	2160595	7301863	0.897	2.754 #
18) Endrin Al...	8.740	9.099f	2354170	22579861	0.529	7.438 #
19) Endosulfa...	9.029	9.243f	4921983	1092565	1.647	0.329 #
20) Methoxychlor	8.839	9.421	2315968	686247	1.682	0.438 #
21) Endrin Ke...	9.239	9.657	348342	4411974	0.094	1.129 #
23) Hexachlor...	0.000	3.695	0	10231	N.D.	BelowCal
24) Hexachlor...	6.056	6.421f	196973	776664	0.058	0.193 #
25) Oxychlorane	7.581f	7.882	76575219	4632499	23.520	1.298 #
26) 2,4'-DDE	7.633	8.110	26358676	490.1E6	12.241	199.255 #
27) trans-Non...	7.818	8.175	397.5E6	364.1E6	109.037	91.038
28) 2,4'-DDD	8.001	8.467	11435246	46869135	5.886	20.491 #
29) 2,4'-DDT	8.157f	8.687	33148881	9590399	15.244	4.428 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:58
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:35:26 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

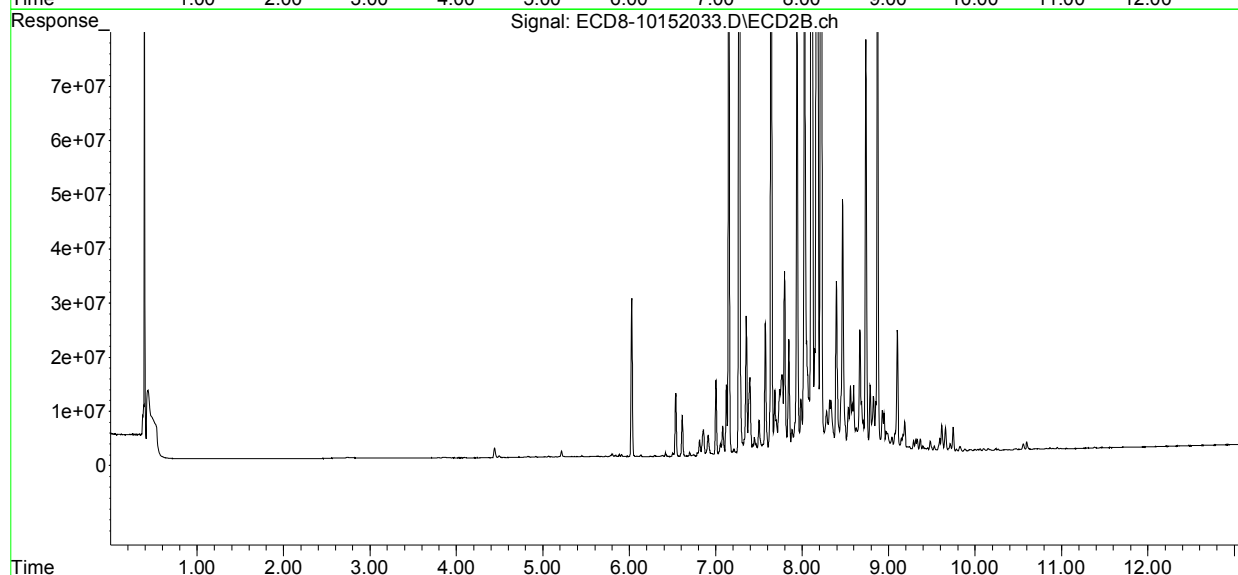
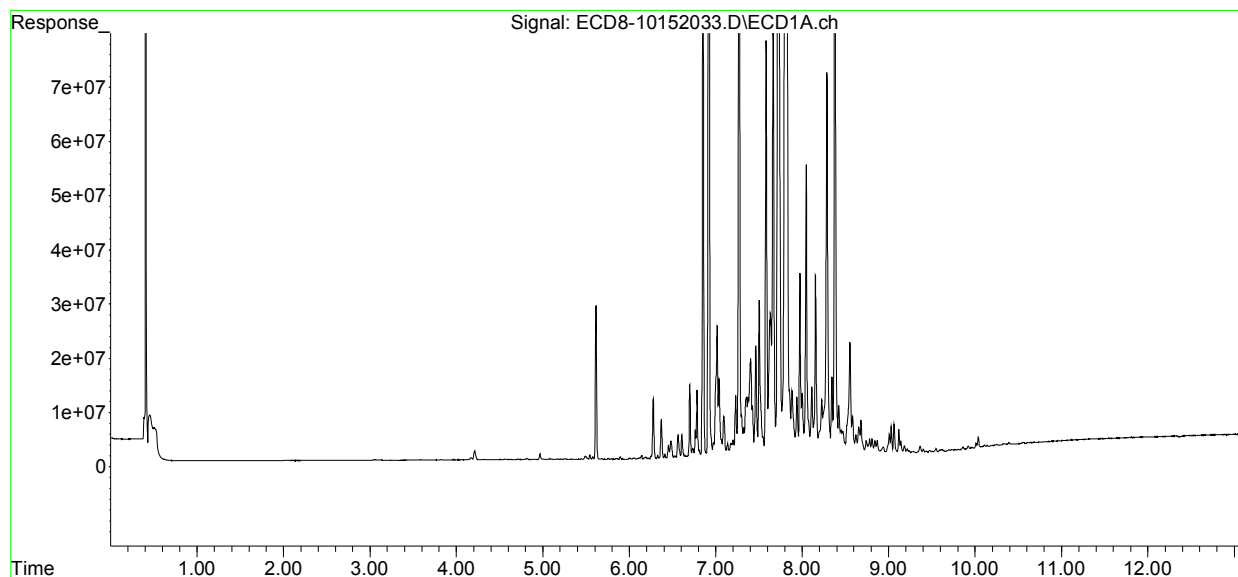
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.735	70487451	76378208	17.667	17.597
31)	Mirex	8.938f	9.657	1063687	4411974	0.150	1.512 #
32)	Chlordane...	7.722	8.110	397.3E6	490.1E6	964.491	1006.031
33)	Chlordane...	7.818	8.216	397.5E6	427.7E6	948.240	1033.189
34)	Chlordane...	8.378	8.872	126.7E6	138.5E6	982.600	1023.753
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.467f	397.5E6	46869135	26717.094	1233.218 #
37)	Toxaphene...	8.110	8.788	12585414	12520551	382.086	265.579 #
38)	Toxaphene...	8.425	8.823	9079282	10387840	130.970	147.696
39)	Toxaphene...	8.652	8.872	4981725	138.5E6	66.940	1162.259 #
40)	Toxaphene...	8.869f	9.099f	2421809	22579861	40.796	327.765 #
41)	Toxaphene...	8.938f	9.451	1063687	753325	15.799	10.060 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 1:58
Operator : MJB
Sample : 0J15061-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: Oct 20 17:35:26 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 2:14
 Operator : MJB
 Sample : 0J15061-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:35:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	6.028f	327273	64063695	0.093	16.013 #
22) S DCBP (S)	9.921	10.523	1183133	219433	0.216	0.091 #
Target Compounds						
2) a-BHC	6.223	6.615f	301020	15569408	0.064	2.911 #
3) g-BHC	6.529	6.912	795606	7930079	0.198	1.705 #
4) b-BHC	6.610	6.955	9188954	993056	5.887	0.508 #
5) Heptachlor	6.918	7.272	386.0E6	463.5E6	95.101	101.277
6) d-BHC	6.764	7.210	10379882	2344687	3.421	0.648 #
7) Aldrin	7.175	7.545	5105978	3953327	1.300	0.926 #
8) Heptachlo...	7.633	7.987	57116400	22382390	15.623	5.573 #
9) trans-Chl...	7.722	8.109	894.2E6	1157.0E6	242.811	290.684
10) cis-Chlor...	7.818	8.216	880.4E6	946.8E6	243.046	244.037
11) Endosulfa...	7.937	8.281	22675257	17938862	6.667	4.988 #
12) 4,4'-DDE	7.881	8.314	25299135	21901524	8.029	6.432
13) Dieldrin	8.109	8.466	27741708	108.0E6	7.384	27.179 #
14) Endrin	8.285	8.686	150.6E6	20893477	54.908	7.972 #
15) 4,4'-DDD	8.285	8.734	150.6E6	172.1E6	55.366	54.165
16) Endosulfa...	8.424	8.823	19462067	23326122	6.608	7.164
17) 4,4'-DDT	8.495	8.946	4686699	16392184	1.906	6.049 #
18) Endrin Al...	8.739	9.099f	5262699	50186688	1.554	16.736 #
19) Endosulfa...	9.028	9.242f	10489120	2549737	3.510	0.767 #
20) Methoxychlor	8.838	9.420	5113063	1598273	3.714	1.087 #
21) Endrin Ke...	9.238	9.656	798831	9314822	0.216	2.385 #
23) Hexachlor...	0.000	3.714	0	32123	N.D.	BelowCal
24) Hexachlor...	6.050	6.422f	407275	1504319	0.121	0.373 #
25) Oxychlorane	7.545	7.882	7526227	9465730	2.312	2.652
26) 2,4'-DDE	7.633	8.109	57116400	1157.0E6	26.524	470.403 #
27) trans-Non...	7.818	8.175	880.4E6	808.0E6	241.515	202.018
28) 2,4'-DDD	8.000	8.466	24640620	108.0E6	12.683	47.213 #
29) 2,4'-DDT	8.156f	8.686	73271989	20893477	33.695	9.707 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 2:14
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:35:33 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

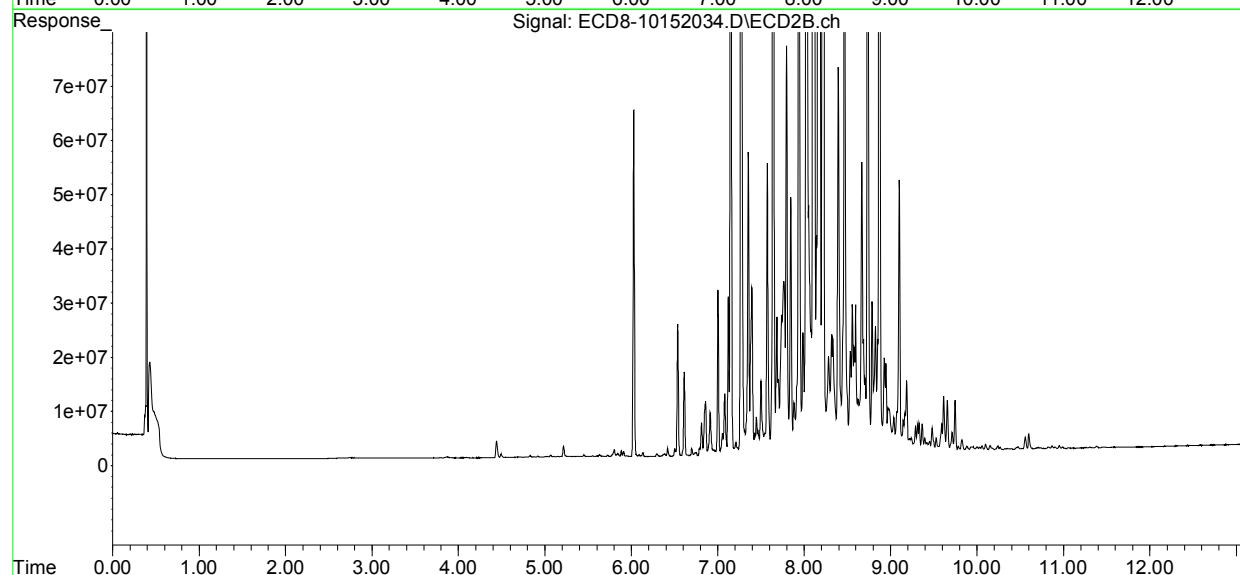
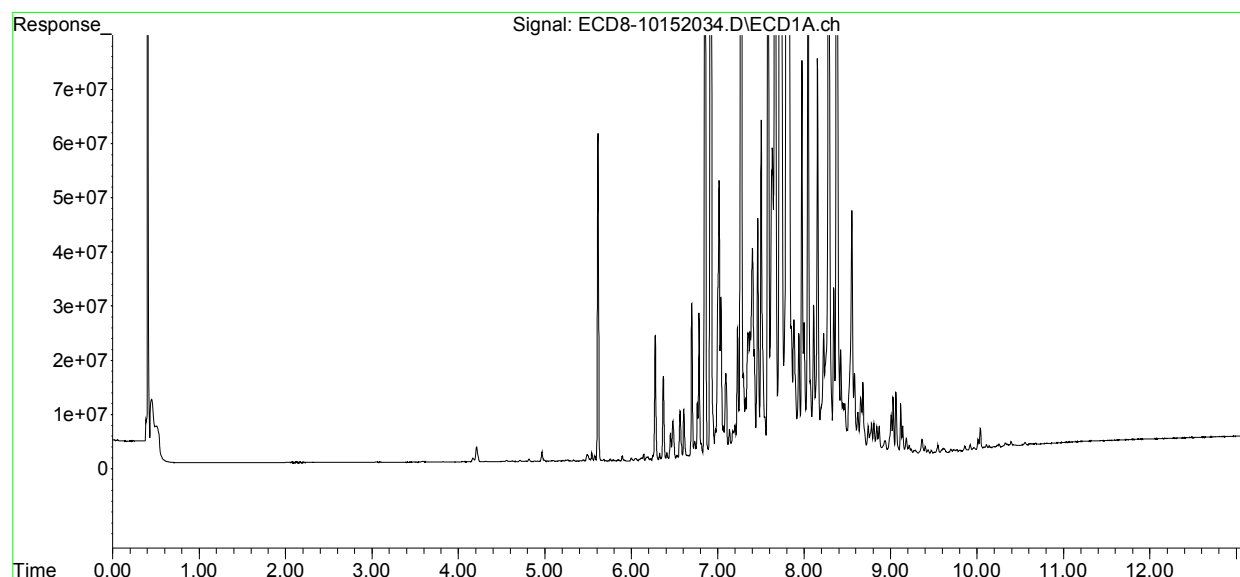
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.734	150.6E6	172.1E6	37.740	39.661
31)	Mirex	8.939f	9.656	2486060	9314822	0.753	3.558 #
32)	Chlordane...	7.722	8.109	894.2E6	1157.0E6	2170.626	2375.047
33)	Chlordane...	7.818	8.216	880.4E6	946.8E6	2100.325	2286.910
34)	Chlordane...	8.378	8.871	274.6E6	302.1E6	2129.576	2233.653
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.466f	880.4E6	108.0E6	59177.641	2841.407 #
37)	Toxaphene...	8.109	8.788	27741708	27793477	842.223	589.540 #
38)	Toxaphene...	8.424	8.823	19462067	23326122	280.743	331.654
39)	Toxaphene...	8.652	8.871	10558366	302.1E6	141.874	2535.849 #
40)	Toxaphene...	8.868f	9.099f	5232631	50186688	88.146	728.500 #
41)	Toxaphene...	8.939f	9.450	2486060	1863106	36.926	24.881 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 2:14
Operator : MJB
Sample : 0J15061-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: Oct 20 17:35:33 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:04
 Operator : MJB
 Sample : 0J15061-CALQ
 Misc : A20J278, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:35:59 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.981	0	17918	N.D.	0.004 #
22) S DCBP (S)	9.906	10.504	183449	48008	BelowCal	0.020
Target Compounds						
2) a-BHC	6.231	6.581	20554	28078	0.004	0.005
3) g-BHC	6.521	6.896	23105	24098	0.006	0.005
4) b-BHC	6.608	6.971	13113	33188	0.008	0.017 #
5) Heptachlor	6.924	7.281	23630	9944	0.006	0.002 #
6) d-BHC	6.763	7.219	44784	55522	0.073	0.081
7) Aldrin	7.163	0.000	49142	0	0.013	N.D. #
8) Heptachlo...	7.625	7.970	36715	133912	0.010	0.033 #
9) trans-Chl...	7.724	8.095	58612	123277	0.016	0.031 #
10) cis-Chlor...	7.808	8.200	144669	123115	0.040	0.032
11) Endosulfa...	7.934	8.278	230235	150931	0.068	0.042 #
12) 4,4'-DDE	7.882	8.305	85029	150186	0.027	0.092 #
13) Dieldrin	8.102	8.444	330702	399011	0.088	0.121 #
14) Endrin	8.283	8.685	448876	338332	0.164	0.157
15) 4,4'-DDD	8.296	8.736	391442	299286	0.144	0.106 #
16) Endosulfa...	8.422	8.825	688382	754224	0.234	0.232
17) 4,4'-DDT	8.505	8.955	649731	320219	0.293	0.182 #
18) Endrin Al...	8.708	9.071	450365	702293	BelowCal	BelowCal
19) Endosulfa...	9.030	9.265	340976	370398	0.114	0.111
20) Methoxychlor	8.818	9.443f	358235	779942	0.260	0.505 #
21) Endrin Ke...	9.233	9.670	217100	722539	0.059	0.185 #
23) Hexachlor...	0.000	3.715	0	53985	N.D.	BelowCal
24) Hexachlor...	6.071	6.451	64055	44523	0.019	0.011 #
25) Oxychlorane	7.560	7.888	121589	110603	0.037	0.031
26) 2,4'-DDE	7.620	8.095	40999	123277	0.019	0.050 #
27) trans-Non...	7.808	8.190	144669	124061	0.040	0.031
28) 2,4'-DDD	7.980	8.485	87977	193383	0.045	0.085 #
29) 2,4'-DDT	8.165	8.685	318864	338332	0.147	0.024 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:04
 Operator : MJB
 Sample : 0J15061-CALQ
 Misc : A20J278, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:35:59 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

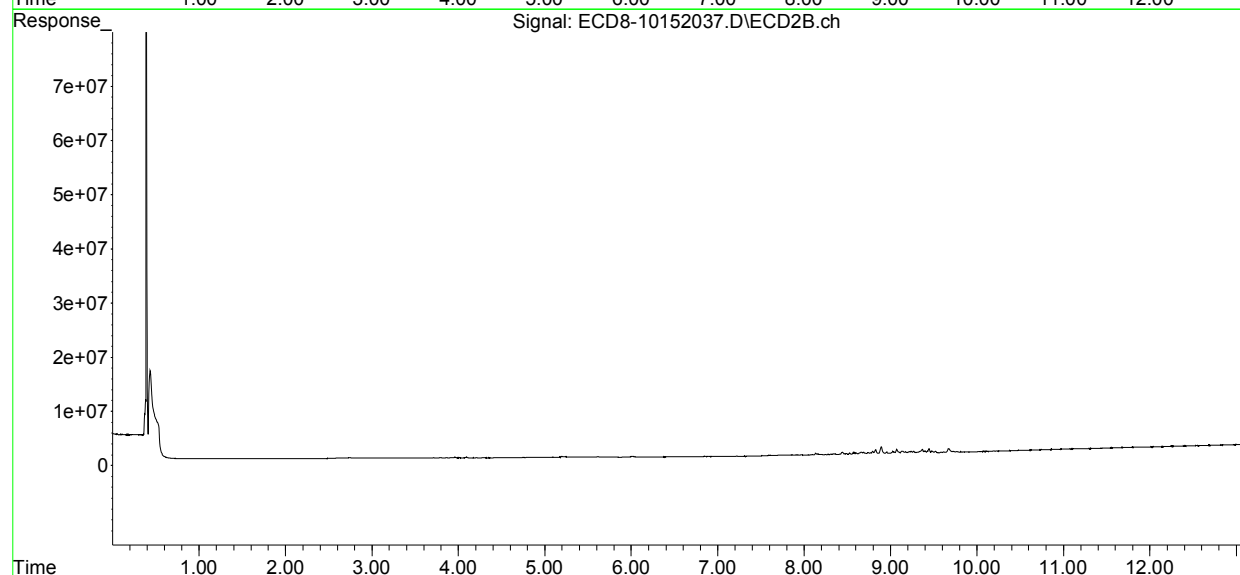
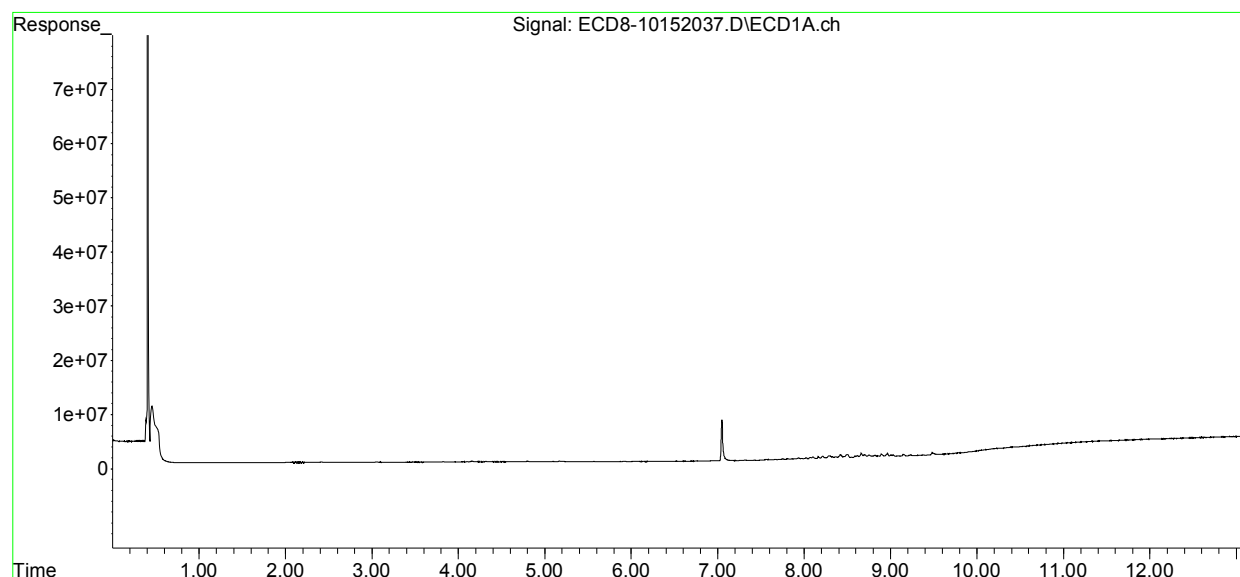
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.283	8.736	448876	299286	0.113	0.069 #
31)	Mirex	8.965	9.616f	681518	115833	BelowCal	BelowCal
32)	Chlordane...	7.724	8.095	58612	123277	0.142	0.253 #
33)	Chlordane...	7.808	8.200	144669	123115	0.345	0.297
34)	Chlordane...	8.367	8.893f	225793	1349902	1.751	9.981 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.808	8.444	144669	399011	9.725	10.499
37)	Toxaphene...	8.102	8.793	330702	464016	10.040	9.842
38)	Toxaphene...	8.422	8.825	688382	754224	9.930	10.724
39)	Toxaphene...	8.659	8.893	806604	1349902	10.838	11.331
40)	Toxaphene...	8.894	9.071	543118	702293	9.149	10.194
41)	Toxaphene...	8.965	9.443	681518	779942	10.123	10.416
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 3:04
Operator : MJB
Sample : 0J15061-CALQ
Misc : A20J278, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:35:59 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:20
 Operator : MJB
 Sample : 0J15061-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:36:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	6.001	0	11357	N.D.	0.003 #
22) S DCBP (S)	9.910	10.504	157188	36285	BelowCal	0.015
Target Compounds						
2) a-BHC	6.207f	6.589	16980	18620	0.004	0.003
3) g-BHC	6.524	6.895	17923	20808	0.004	0.004
4) b-BHC	6.610	6.967	25907	30086	0.017	0.015
5) Heptachlor	6.920	7.276	34778	21542	0.009	0.005 #
6) d-BHC	6.763	7.218	61049	72583	0.078	0.085
7) Aldrin	7.168	7.540	65548	40021	0.017	0.009 #
8) Heptachlo...	7.640	7.970	196014	487958	0.054	0.122 #
9) trans-Chl...	7.710	8.118	352374	327981	0.096	0.082
10) cis-Chlor...	7.805	8.199	726337	618692	0.201	0.159
11) Endosulfa...	7.933	8.277	1072444	803398	0.315	0.223 #
12) 4,4'-DDE	7.885	8.305	370099	822599	0.117	0.291 #
13) Dieldrin	8.101	8.484	1648417	1037885	0.439	0.288 #
14) Endrin	8.282	8.686	2265555	1757793	0.826	0.706
15) 4,4'-DDD	8.297	8.738	2007377	1204485	0.738	0.423 #
16) Endosulfa...	8.421	8.825	3404622	3392585	1.156	1.042
17) 4,4'-DDT	8.492	8.953	2982242	1369800	1.226	0.571 #
18) Endrin Al...	8.707	9.070	2265327	3263105	0.498	0.847 #
19) Endosulfa...	9.027	9.265	1384638	1398974	0.463	0.421
20) Methoxychlor	8.818	9.443f	1992726	3524155	1.448	2.453 #
21) Endrin Ke...	9.218	9.644	828569	307482	0.224	0.079 #
23) Hexachlor...	0.000	3.717	0	22102	N.D.	BelowCal
24) Hexachlor...	6.064	6.452	11909	13955	0.004	0.003
25) Oxychlorane	7.558	7.886	569424	315739	0.175	0.088 #
26) 2,4'-DDE	7.604	8.093	290872	580067	0.135	0.236 #
27) trans-Non...	7.805	8.155f	726337	887981	0.199	0.222
28) 2,4'-DDD	8.006	8.484	602535	1037885	0.310	0.454 #
29) 2,4'-DDT	8.165	8.686	1697102	1757793	0.780	0.705

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:20
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:36:09 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

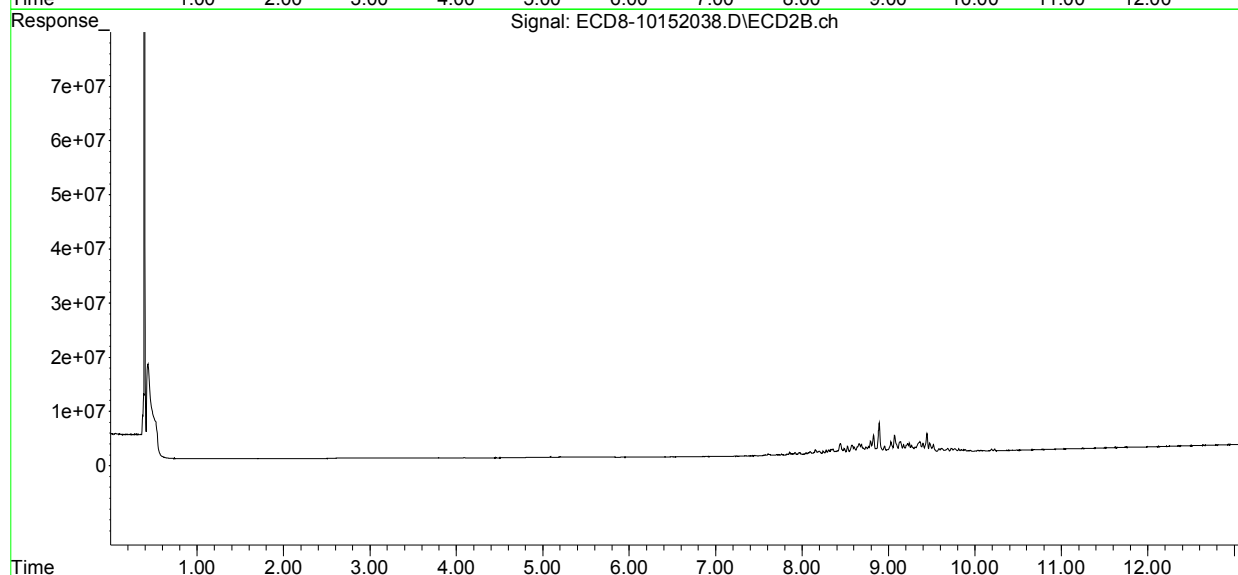
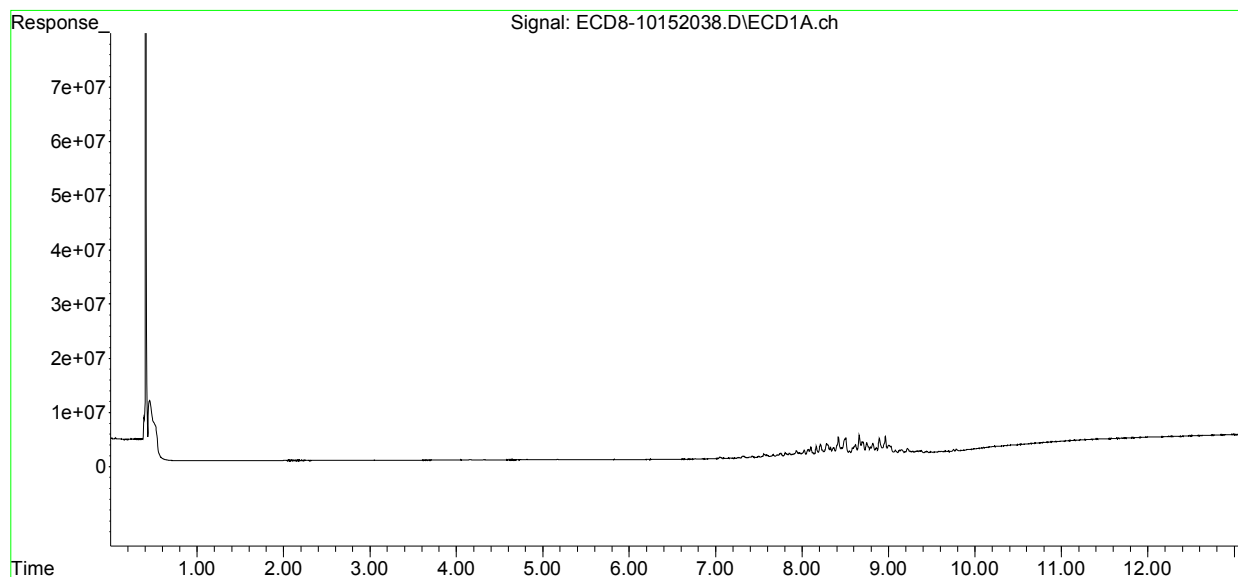
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.282	8.738	2265555	1204485	0.568	0.278 #
31)	Mirex	8.964	9.644	3244525	307482	1.075	BelowCal #
32)	Chlordane...	7.710	8.118	352374	327981	0.855	0.673
33)	Chlordane...	7.805	8.199	726337	618692	1.733	1.494
34)	Chlordane...	8.366	8.892f	1398538	5669610	10.845	41.919 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.805	8.443	726337	1944781	48.824	51.171
37)	Toxaphene...	8.101	8.793	1648417	2303326	50.045	48.857
38)	Toxaphene...	8.421	8.825	3404622	3392585	49.112	48.236
39)	Toxaphene...	8.658	8.892	3598900	5669610	48.359	47.591
40)	Toxaphene...	8.893	9.070	2870073	3263105	48.348	47.367
41)	Toxaphene...	8.964	9.443	3244525	3524155	48.192	47.063
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 3:20
Operator : MJB
Sample : 0J15061-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: Oct 20 17:36:09 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:53
 Operator : MJB
 Sample : 0J15061-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:36:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.980	0	15848	N.D.	0.004 #
22) S DCBP (S)	9.911	10.484f	346950	336295	BelowCal	0.139
Target Compounds						
2) a-BHC	6.232	6.585	26275	31030	0.006	0.006
3) g-BHC	6.526	6.891	32414	63329	0.008	0.014 #
4) b-BHC	6.600	6.955	31358	101133	0.020	0.052 #
5) Heptachlor	6.921	7.283	69944	134545	0.017	0.029 #
6) d-BHC	6.760	7.219	112041	152243	0.095	0.105
7) Aldrin	7.168	7.504f	250413	232297	0.064	0.054
8) Heptachlo...	7.637	7.970	970878	1885974	0.266	0.470 #
9) trans-Chl...	7.708	8.122	1518305	1352888	0.412	0.340
10) cis-Chlor...	7.804	8.199	2928701	2353949	0.809	0.607
11) Endosulfa...	7.932	8.277	4359435	3009796	1.282	0.837 #
12) 4,4'-DDE	7.882	8.304	1556414	3195519	0.494	0.990 #
13) Dieldrin	8.099	8.483	6531155	3936547	1.738	1.045 #
14) Endrin	8.282	8.686	8870121	7250586	3.235	2.816
15) 4,4'-DDD	8.295	8.740	8232473	4747286	3.027	1.658 #
16) Endosulfa...	8.419	8.825	13381927	13097504	4.543	4.023
17) 4,4'-DDT	8.492	8.953	12330217	5519157	4.932	2.101 #
18) Endrin Al...	8.707	9.070	9319598	12845839	2.984	4.126 #
19) Endosulfa...	9.026	9.265	5918710	5655045	1.980	1.702
20) Methoxychlor	8.816	9.442	8387919	13990550	6.093	9.755 #
21) Endrin Ke...	9.215	9.685f	3728114	2874284	1.008	0.736 #
23) Hexachlor...	0.000	3.714	0	14766	N.D.	BelowCal
24) Hexachlor...	6.104f	6.450	12399	14629	0.004	0.004
25) Oxychlorane	7.559	7.885	2189701	1237030	0.673	0.347 #
26) 2,4'-DDE	7.637	8.093	970878	2203347	0.451	0.896 #
27) trans-Non...	7.804	8.155f	2928701	3308844	0.803	0.827
28) 2,4'-DDD	8.021f	8.483	4663931	3936547	2.401	1.721 #
29) 2,4'-DDT	8.164	8.686	6886026	7250586	3.167	3.321

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:53
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:36:20 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

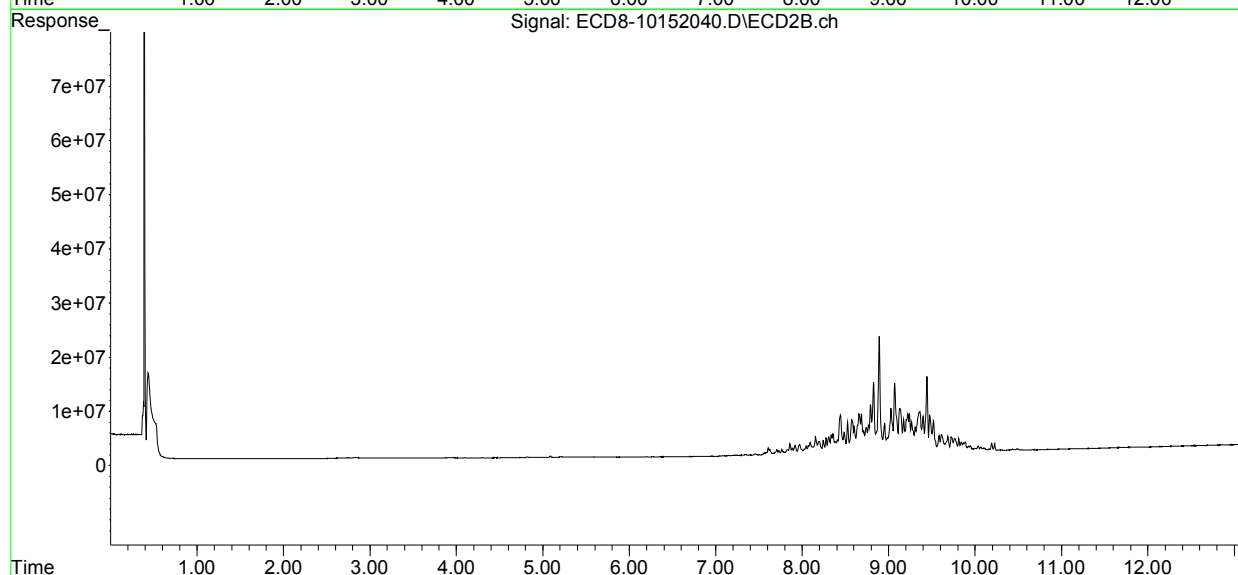
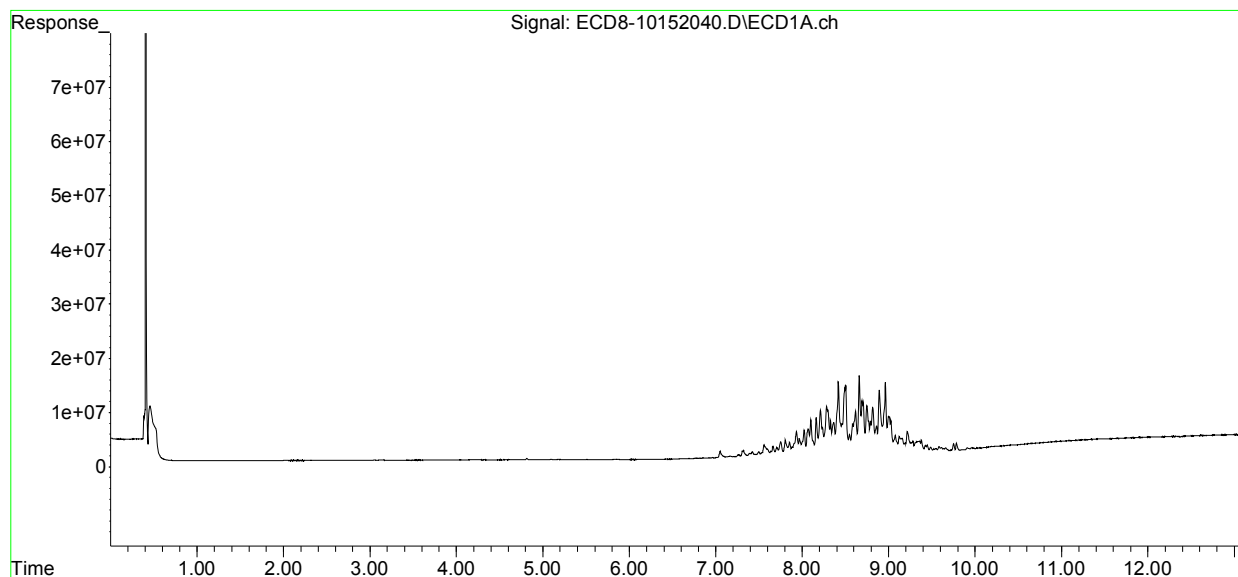
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.282	8.740	8870121	4747286	2.223	1.094 #
31)	Mirex	8.963	9.612f	13009268	3173528	5.219	0.994 #
32)	Chlordane...	7.708	8.122	1518305	1352888	3.686	2.777
33)	Chlordane...	7.804	8.199	2928701	2353949	6.987	5.686
34)	Chlordane...	8.364	8.892f	5830126	21519149	45.210	159.106 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.804	8.444	2928701	7231910	196.864	190.286
37)	Toxaphene...	8.099	8.792	6531155	8939693	198.282	189.624
38)	Toxaphene...	8.419	8.825	13381927	13097504	193.036	186.222
39)	Toxaphene...	8.658	8.892	14340541	21519149	192.696	180.632
40)	Toxaphene...	8.892	9.070	11584089	12845839	195.139	186.468
41)	Toxaphene...	8.963	9.442	13009268	13990550	193.230	186.835
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 3:53
Operator : MJB
Sample : 0J15061-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: Oct 20 17:36:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:10
 Operator : MJB
 Sample : 0J15061-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:36:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.677	5.997	9548	21103	0.003	0.005 #
22) S DCBP (S)	9.911	10.485f	737327	915460	0.036	0.378 #
Target Compounds						
2) a-BHC	6.233	6.584	63960	57093	0.014	0.011
3) g-BHC	6.523	6.892	48579	145409	0.012	0.031 #
4) b-BHC	6.607	6.975	55576	82684	0.036	0.042
5) Heptachlor	6.927	7.282	191558	350208	0.047	0.077 #
6) d-BHC	6.759	7.218	173662	301043	0.115	0.142
7) Aldrin	7.167	7.538	641944	558817	0.163	0.131
8) Heptachlo...	7.636	7.968	2494481	4375451	0.682	1.090 #
9) trans-Chl...	7.704	8.093	3859254	5312356	1.048	1.335 #
10) cis-Chlor...	7.803	8.197f	7355899	5543879	2.031	1.429 #
11) Endosulfa...	7.931	8.277	10725049	7176176	3.153	1.995 #
12) 4,4'-DDE	7.882	8.304	3875790	7910482	1.230	2.374 #
13) Dieldrin	8.099	8.483	16121893	9544857	4.291	2.505 #
14) Endrin	8.281	8.685	22820033	18689593	8.321	7.147
15) 4,4'-DDD	8.294	8.739	20212557	12230790	7.432	4.246 #
16) Endosulfa...	8.419	8.825	34493083	33775269	11.711	10.373
17) 4,4'-DDT	8.492	8.952	30900392	13779668	12.144	5.108 #
18) Endrin Al...	8.706	9.070	24183586	33539622	8.221	11.146 #
19) Endosulfa...	9.026	9.264	15650087	14411195	5.237	4.337
20) Methoxychlor	8.815	9.442	22055185	36618141	16.022	24.915 #
21) Endrin Ke...	9.216	9.685f	9862349	7612018	2.667	1.949 #
23) Hexachlor...	0.000	3.716	0	143178	N.D.	BelowCal
24) Hexachlor...	6.099f	6.444	25689	21215	0.008	0.005 #
25) Oxychlorane	7.558	7.917	5337073	4143676	1.639	1.161 #
26) 2,4'-DDE	7.636	8.093	2494481	5312356	1.158	2.160 #
27) trans-Non...	7.803	8.197f	7355899	5543879	2.018	1.386 #
28) 2,4'-DDD	8.021f	8.483	11659748	9544857	6.002	4.173 #
29) 2,4'-DDT	8.164	8.685	16902752	18689593	7.773	8.686

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:10
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:36:32 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

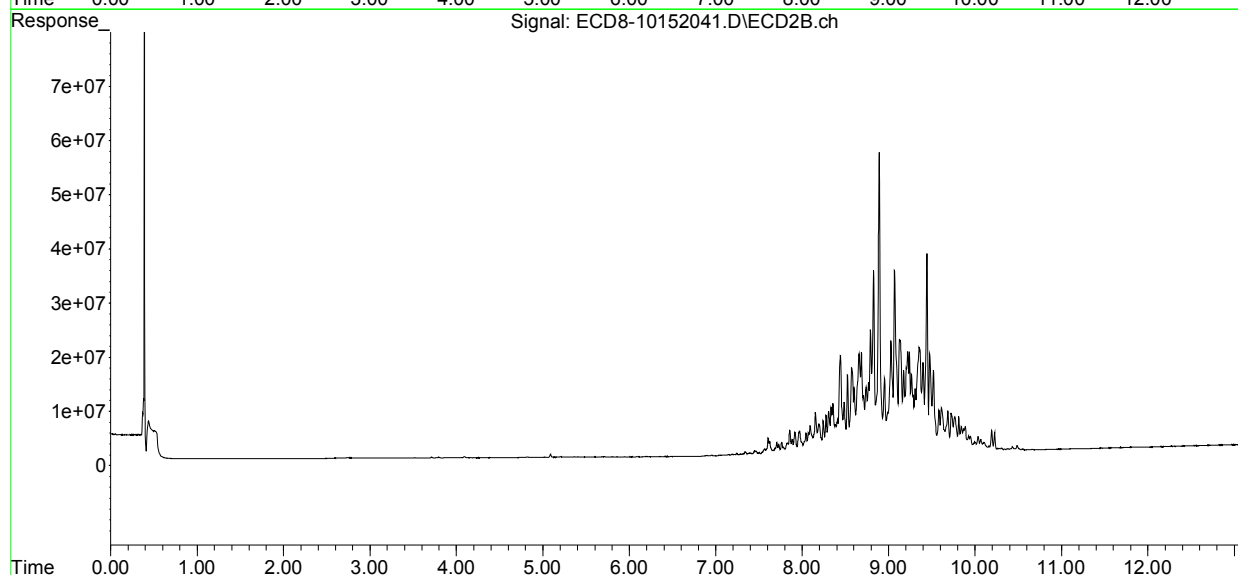
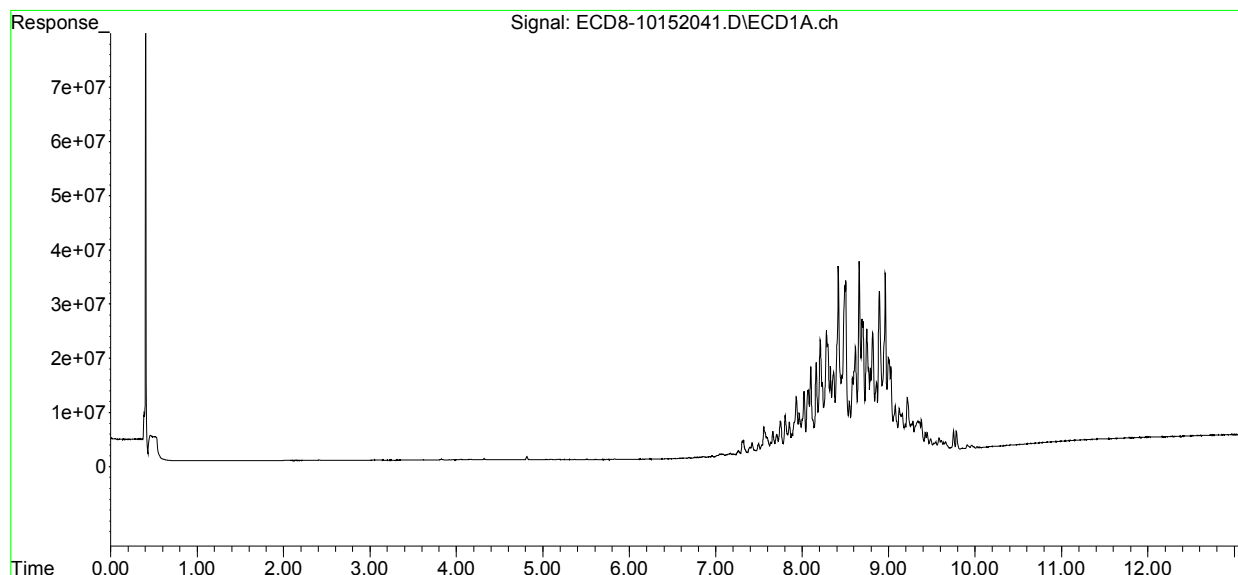
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.281	8.739	22820033	12230790	5.720	2.818 #
31)	Mirex	8.963	9.611f	33036149	8132991	13.717	3.065 #
32)	Chlordane...	7.704	8.093	3859254	5312356	9.368	10.905
33)	Chlordane...	7.803	8.197	7355899	5543879	17.549	13.391
34)	Chlordane...	8.364	8.892f	15027700	55412823	116.533	409.706 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.803	8.444	7355899	18107794	494.455	476.451
37)	Toxaphene...	8.099	8.791	16121893	22747138	489.452	482.500
38)	Toxaphene...	8.419	8.825	34493083	33775269	497.568	480.222
39)	Toxaphene...	8.657	8.892	35303409	55412823	474.377	465.137
40)	Toxaphene...	8.893	9.070	29598444	33539622	498.599	486.854
41)	Toxaphene...	8.963	9.442	33036149	36618141	490.695	489.013
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 4:10
Operator : MJB
Sample : 0J15061-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: Oct 20 17:36:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:26
 Operator : MJB
 Sample : 0J15061-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:36:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.682	6.007	17350	30453	0.005	0.008 #
22)	S DCBP (S)	9.910	10.485f	1581180	1949290	0.376	0.806 #
Target Compounds							
2)	a-BHC	6.230	6.583	120026	115633	0.025	0.022
3)	g-BHC	6.520	6.890	92095	300202	0.023	0.065 #
4)	b-BHC	6.605	6.956	119980	524544	0.077	0.268 #
5)	Heptachlor	6.928	7.282	477246	725856	0.118	0.159 #
6)	d-BHC	6.758	7.216	358875	595742	0.175	0.215
7)	Aldrin	7.165	7.566f	1396136	2191963	0.355	0.513 #
8)	Heptachlo...	7.635	7.969	5203813	8649843	1.423	2.154 #
9)	trans-Chl...	7.702f	8.092	7875633	10538130	2.139	2.648
10)	cis-Chlor...	7.802	8.195f	15006216	10888998	4.143	2.807 #
11)	Endosulfa...	7.930	8.276	21816179	14263647	6.414	3.966 #
12)	4,4'-DDE	7.881	8.303	7745002	15693000	2.458	4.640 #
13)	Dieldrin	8.098	8.482	32732158	19390267	8.713	5.052 #
14)	Endrin	8.281	8.685	46026301	39091984	16.784	14.674
15)	4,4'-DDD	8.293	8.737	42458072	24823485	15.612	8.540 #
16)	Endosulfa...	8.418	8.824	69458796	70093512	23.582	21.528
17)	4,4'-DDT	8.491	8.952	63679509	28375465	24.425	10.304 #
18)	Endrin Al...	8.705	9.069	49458453	69799894	17.127	23.258 #
19)	Endosulfa...	9.025	9.263	32317353	30686343	10.813	9.235
20)	Methoxychlor	8.814	9.442	45960593	75965801	33.387	49.545 #
21)	Endrin Ke...	9.214	9.685f	20744881	16044185	5.610	4.107 #
23)	Hexachlor...	0.000	3.716	0	136111	N.D.	BelowCal
24)	Hexachlor...	6.067	6.453	15375	42024	0.005	0.010 #
25)	Oxychlorane	7.557	7.916	10620875	8319530	3.262	2.331 #
26)	2,4'-DDE	7.635	8.092	5203813	10538130	2.417	4.285 #
27)	trans-Non...	7.802	8.195	15006216	10888998	4.117	2.723 #
28)	2,4'-DDD	8.001	8.482	13103620	19390267	6.745	8.477 #
29)	2,4'-DDT	8.163	8.685	35246663	39091984	16.209	17.990

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:26
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:36:41 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

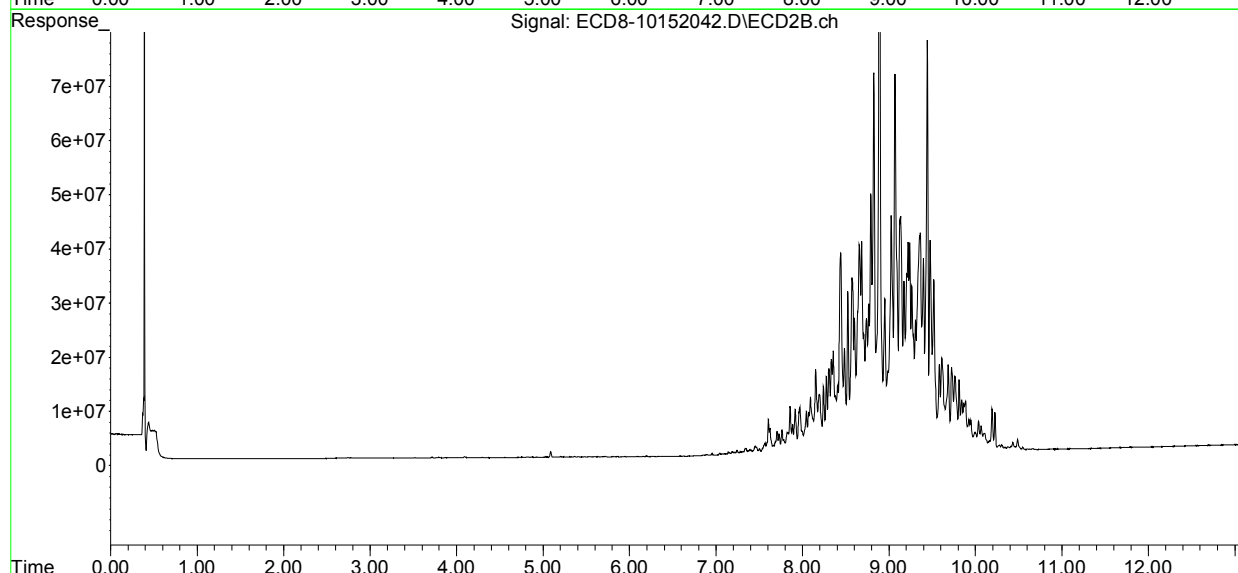
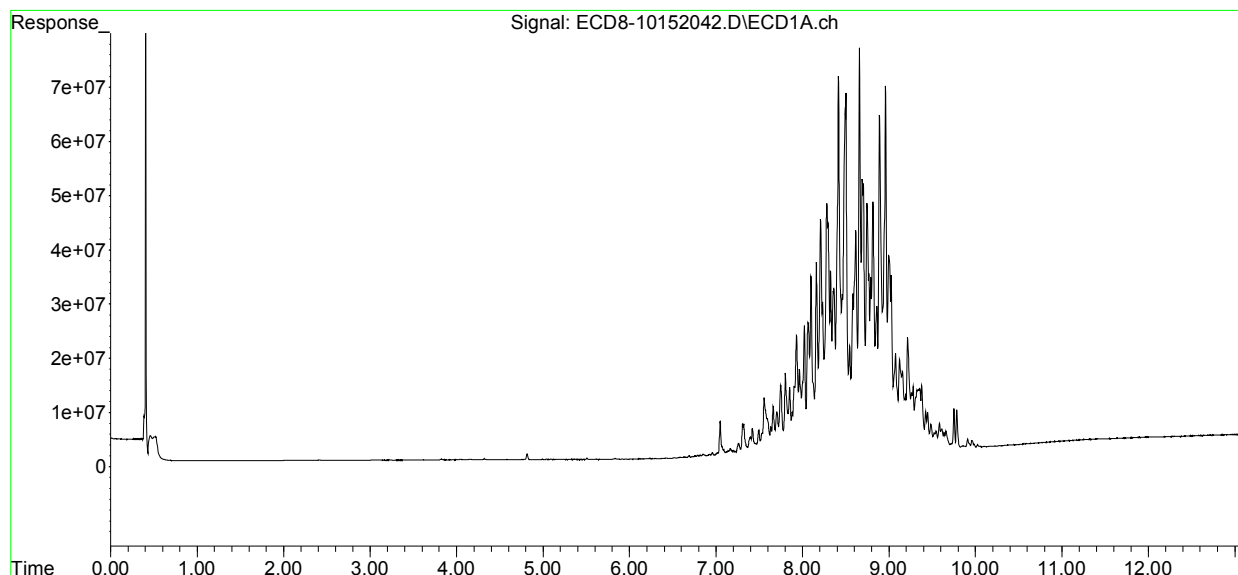
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.281	8.737	46026301	24823485	11.536	5.719 #
31)	Mirex	8.962	9.611f	67239784	17309336	28.228	6.884 #
32)	Chlordane...	7.702f	8.092	7875633	10538130	19.118	21.633
33)	Chlordane...	7.802	8.195f	15006216	10888998	35.801	26.302 #
34)	Chlordane...	8.363	8.891f	30223958	120.1E6	234.373	887.867 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.802	8.442	15006216	37044200	1008.701	974.705
37)	Toxaphene...	8.098	8.791	32732158	47836415	993.730	1014.679
38)	Toxaphene...	8.418	8.824	69458796	70093512	1001.953	996.600
39)	Toxaphene...	8.656	8.891	74462214	120.1E6	1000.560	1007.988
40)	Toxaphene...	8.891	9.069	61876109	69799894	1042.331	1013.201
41)	Toxaphene...	8.962	9.442	67239784	75965801	998.731	1014.477
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 4:26
Operator : MJB
Sample : 0J15061-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: Oct 20 17:36:41 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:43
 Operator : MJB
 Sample : 0J15061-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:36:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 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)	5.683	5.984	29722	27925	0.008	0.007
22) S DCBP (S)	9.909	10.483f	3621144	4119258	1.199	1.703 #
Target Compounds						
2) a-BHC	6.231	6.583	231252	258471	0.049	0.048
3) g-BHC	6.519	6.889	180773	609988	0.045	0.131 #
4) b-BHC	6.604	6.954	241938	1022978	0.155	0.523 #
5) Heptachlor	6.927	7.281	974779	1463841	0.240	0.320 #
6) d-BHC	6.757	7.216	647555	1052197	0.269	0.328
7) Aldrin	7.165	7.536	2842940	2196807	0.724	0.515 #
8) Heptachlo...	7.635	7.968	10965009	17926689	2.999	4.464 #
9) trans-Chl...	7.701f	8.092	16781813	22214335	4.557	5.581
10) cis-Chlor...	7.802	8.243f	31810920	26722191	8.782	6.888
11) Endosulfa...	7.930	8.275	45871163	30727897	13.486	8.544 #
12) 4,4'-DDE	7.881	8.302	16042587	34225903	5.091	9.950 #
13) Dieldrin	8.098	8.482	67923479	40887171	18.080	10.550 #
14) Endrin	8.279	8.685	97653004	85738203	35.609	31.040
15) 4,4'-DDD	8.279f	8.737	97653004	53581524	35.906	18.080 #
16) Endosulfa...	8.418	8.823	147.3E6	151.2E6	50.013	46.431
17) 4,4'-DDT	8.502	8.952	139.8E6	62591169	51.057	21.952 #
18) Endrin Al...	8.705	9.069	106.2E6	153.5E6	37.134	50.359 #
19) Endosulfa...	9.024	9.263	69188535	66239565	23.151	19.935
20) Methoxychlor	8.813	9.442	96529580	163.3E6	70.122	98.310 #
21) Endrin Ke...	9.214	9.684f	44336334	36331764	11.990	9.301
23) Hexachlor...	0.000	3.712	0	11183	N.D.	BelowCal
24) Hexachlor...	6.068	6.450	20709	83763	0.006	0.021 #
25) Oxychlorane	7.557	7.916	21980402	16881908	6.751	4.730 #
26) 2,4'-DDE	7.635	8.092	10965009	22214335	5.092	9.032 #
27) trans-Non...	7.802	8.189	31810920	22819927	8.727	5.706 #
28) 2,4'-DDD	8.019	8.482	50836959	40887171	26.167	17.876 #
29) 2,4'-DDT	8.162	8.685	75080299	85738203	34.527	38.144

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
 Data File : ECD8-10152043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:43
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:36:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:18:04 2020
 Response via : Initial Calibration
 Integrator: ChemStation

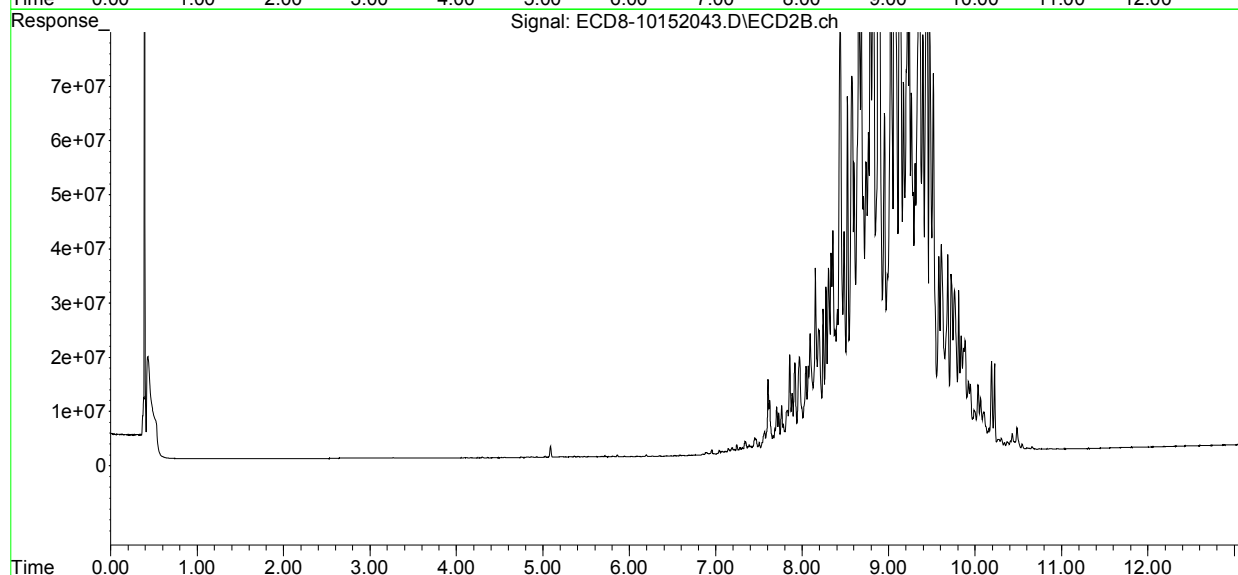
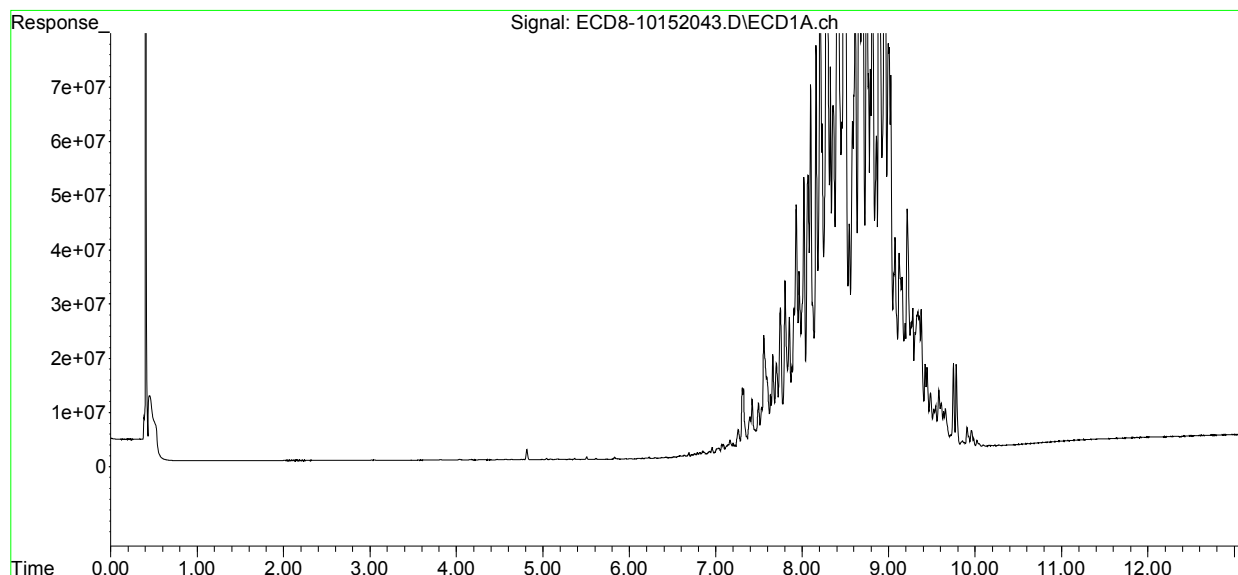
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.279	8.737	97653004	53581524	24.476	12.345 #
31)	Mirex	8.961	9.609f	145.1E6	38175088	61.250	15.500 #
32)	Chlordane...	7.701f	8.092	16781813	22214335	40.737	45.601
33)	Chlordane...	7.802	8.189f	31810920	22819927	75.892	55.120 #
34)	Chlordane...	8.359	8.891	63898589	255.8E6	495.505	1891.406 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.802	8.441	31810920	79634590	2138.294	2095.340
37)	Toxaphene...	8.098	8.790	67923479	104.7E6	2062.120	2221.643
38)	Toxaphene...	8.418	8.823	147.3E6	151.2E6	2124.971	2149.504
39)	Toxaphene...	8.656	8.891	154.2E6	255.8E6	2072.357	2147.299
40)	Toxaphene...	8.890	9.069	130.9E6	153.5E6	2205.824	2227.970
41)	Toxaphene...	8.961	9.442	145.1E6	163.3E6	2155.225	2180.994
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\REQUANT\
Data File : ECD8-10152043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 4:43
Operator : MJB
Sample : 0J15061-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: Oct 20 17:36:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:18:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Sequence Name: C:\msdchem\1\sequence\0J15061.s

Comment: Pesticides

Operator: MJB

Data Path: C:\MSDCHEM\1\DATA\2020-10\0J15061\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run Sequence Barcode Options
(X) Full Method (X) On Mismatch, Inject Anyway
() Reprocessing Only () On Mismatch, Don't Inject
() Barcode Disabled

Line		Sample Name/Misc Info	
1)	Sample	51 Conditioning Run	
	Datafile	ECD8-10152001	
	Method	ECD8_AQUPEST_190925	
2)	Sample	51 Conditioning Run	
	Datafile	ECD8-10152002	
	Method	ECD8_AQUPEST_190925	
3)	Sample	1 Hexane	
	Datafile	ECD8-10152003	
	Method	ECD8_AQUPEST_190925	
4)	Sample	2 0J15061-BKD1	
	Datafile	ECD8-10152004	
	Method	ECD8_AQUPEST_190925	
5)	Sample	3 0J15061-ICB1	
	Datafile	ECD8-10152005	
	Method	ECD8_AQUPEST_190925	
6)	Sample	4 0J15061-CAL1	MJB 10/20/20
	Datafile	ECD8-10152006	
	Method	ECD8_AQUPEST_190925	
7)	Sample	5 0J15061-CAL2	
	Datafile	ECD8-10152007	
	Method	ECD8_AQUPEST_190925	
8)	Sample	6 0J15061-CAL3	
	Datafile	ECD8-10152008	
	Method	ECD8_AQUPEST_190925	
9)	Sample	7 0J15061-CAL4	
	Datafile	ECD8-10152009	
	Method	ECD8_AQUPEST_190925	
10)	Sample	8 0J15061-CAL5	
	Datafile	ECD8-10152010	
	Method	ECD8_AQUPEST_190925	
11)	Sample	9 0J15061-CAL6	
	Datafile	ECD8-10152011	
	Method	ECD8_AQUPEST_190925	
12)	Sample	10 0J15061-CAL7	
	Datafile	ECD8-10152012	
	Method	ECD8_AQUPEST_190925	
13)	Sample	11 0J15061-CAL8	
	Datafile	ECD8-10152013	
	Method	ECD8_AQUPEST_190925	
14)	Sample	12 0J15061-CAL9	

Last Modified: Thu Oct 15 17:59:06 2020

Page: 1

	Datafile		ECD8-10152014
	Method		ECD8_AQUPEST_190925
15)	Sample	1	0J15061-IBL1
	Datafile		ECD8-10152015
	Method		ECD8_AQUPEST_190925
16)	Sample	13	0J15061-ICV1
	Datafile		ECD8-10152016
	Method		ECD8_AQUPEST_190925
17)	Sample	14	0J15061-CALA
	Datafile		ECD8-10152017
	Method		ECD8_AQUPEST_190925
18)	Sample	15	0J15061-CALB
	Datafile		ECD8-10152018
	Method		ECD8_AQUPEST_190925
19)	Sample	16	0J15061-CALC
	Datafile		ECD8-10152019
	Method		ECD8_AQUPEST_190925
20)	Sample	17	0J15061-CALD
	Datafile		ECD8-10152020
	Method		ECD8_AQUPEST_190925
21)	Sample	18	0J15061-CALE
	Datafile		ECD8-10152021
	Method		ECD8_AQUPEST_190925
22)	Sample	19	0J15061-CALF
	Datafile		ECD8-10152022
	Method		ECD8_AQUPEST_190925
23)	Sample	20	0J15061-CALG
	Datafile		ECD8-10152023
	Method		ECD8_AQUPEST_190925
24)	Sample	21	0J15061-CALH
	Datafile		ECD8-10152024
	Method		ECD8_AQUPEST_190925
25)	Sample	22	0J15061-CALI
	Datafile		ECD8-10152025
	Method		ECD8_AQUPEST_190925
26)	Sample	1	0J15061-IBL2
	Datafile		ECD8-10152026
	Method		ECD8_AQUPEST_190925
27)	Sample	23	0J15061-ICV2
	Datafile		ECD8-10152027
	Method		ECD8_AQUPEST_190925
28)	Sample	24	0J15061-CALJ
	Datafile		ECD8-10152028
	Method		ECD8_AQUPEST_190925
29)	Sample	25	0J15061-CALK
	Datafile		ECD8-10152029
	Method		ECD8_AQUPEST_190925
30)	Sample	26	0J15061-CALL
	Datafile		ECD8-10152030
	Method		ECD8_AQUPEST_190925
31)	Sample	27	0J15061-CALM
	Datafile		ECD8-10152031
	Method		ECD8_AQUPEST_190925
32)	Sample	28	0J15061-CALN
	Datafile		ECD8-10152032
	Method		ECD8_AQUPEST_190925

33) Sample	29	0J15061-CALO
Datafile		ECD8-10152033
Method		ECD8_AQUPEST_190925
34) Sample	30	0J15061-CALP
Datafile		ECD8-10152034
Method		ECD8_AQUPEST_190925
35) Sample	1	0J15061-IBL3
Datafile		ECD8-10152035
Method		ECD8_AQUPEST_190925
36) Sample	31	0J15061-ICV3
Datafile		ECD8-10152036
Method		ECD8_AQUPEST_190925
37) Sample	32	0J15061-CALQ
Datafile		ECD8-10152037
Method		ECD8_AQUPEST_190925
38) Sample	33	0J15061-CALR
Datafile		ECD8-10152038
Method		ECD8_AQUPEST_190925
39) Sample	34	0J15061-CALS
Datafile		ECD8-10152039
Method		ECD8_AQUPEST_190925
40) Sample	35	0J15061-CALT
Datafile		ECD8-10152040
Method		ECD8_AQUPEST_190925
41) Sample	36	0J15061-CALU
Datafile		ECD8-10152041
Method		ECD8_AQUPEST_190925
42) Sample	37	0J15061-CALV
Datafile		ECD8-10152042
Method		ECD8_AQUPEST_190925
43) Sample	38	0J15061-CALW
Datafile		ECD8-10152043
Method		ECD8_AQUPEST_190925

Sequence Name: C:\msdchem\1\sequence\0J15061.s

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	1	0J15061-IBL4		
	Datafile		ECD8-10152044		
	Method		ECD8_AQUPEST_190925		
45)	Sample	39	0J15061-ICV4		
	Datafile		ECD8-10152045		
	Method		ECD8_AQUPEST_190925		

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0J15061 BKD1
Data File: ECD8-10152004.D

MJB 10/20/20

First Column Area Counts		Percent Breakdown	
DDE	14419604		
DDD	58554163		
DDT	3079360071	2.31	PASS
Endrin	1486236394	14.14	PASS
Endrin Aldehyde	117232627		
Endrin Ketone	127558941		

Second Column Area Counts		Percent Breakdown	
DDE	12286539		
DDD	61669829		
DDT	3272306813	2.21	PASS
Endrin	1512722337	12.75	PASS
Endrin Aldehyde	100892211		
Endrin Ketone	120214070		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152004.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 17:58
 Operator : MJB
 Sample : 0J15061-BKD1
 Misc : A20H479
 ALS Vial : 2 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 15 18:14:22 2020
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_2010015.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	7.875	14419604	NoCal	ng/mL
2) Endrin	8.269	1486236394	NoCal	ng/mL
3) 4,4'-DDD	8.303	58554163	NoCal	ng/mL
4) 4,4'-DDT	8.499	3079360071	NoCal	ng/mL
5) Endrin Aldehyde	8.725	117232627	NoCal	ng/mL
6) Endrin Ketone	9.232	127558941	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.321	12286539	NoCal	ng/mL
9) Endrin [2C]	8.690	1512722337	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.734	61669829	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.071	100892211	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.958	3272306813	NoCal	ng/mL
13) Endrin Ketone [2C]	9.656	120214070	NoCal	ng/mL

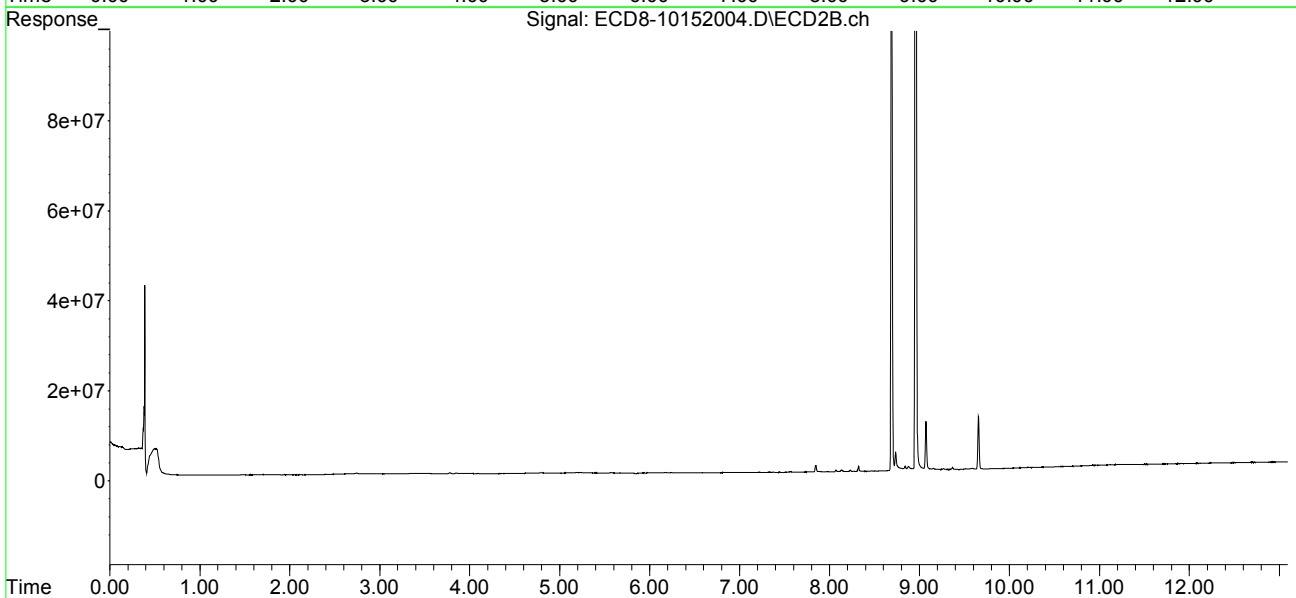
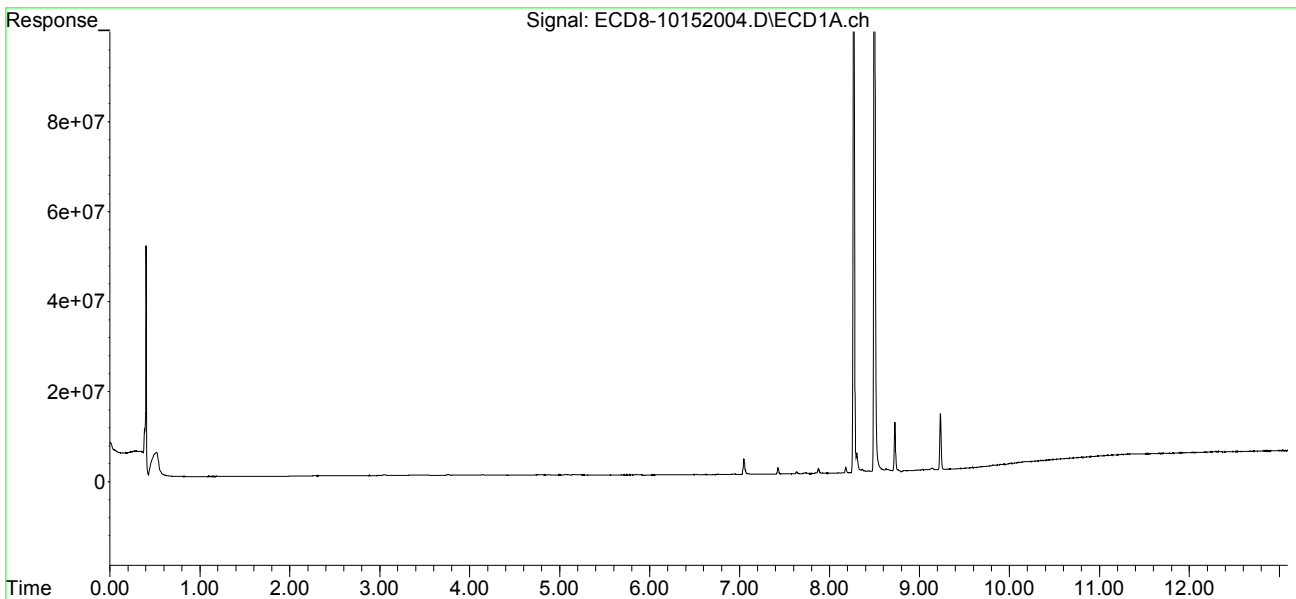
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 17:58
Operator : MJB
Sample : 0J15061-BKD1
Misc : A20H479
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 15 18:14:22 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_2010015.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:32
 Operator : MJB
 Sample : 0J15061-CAL1
 Misc : A20J274, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:41:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 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)	5.683	5.990	1964465	2094674	0.526	0.597
22) S DCBP (S)	9.904	10.506	1866301	1410803	0.392	0.440
Target Compounds						
2) a-BHC	6.233	6.585	2328682	2455359	0.473	0.596 #
3) g-BHC	6.521	6.901	2071350	2228225	0.468	0.575
4) b-BHC	6.608	6.970	816885	1065650	0.411	0.565 #
5) Heptachlor	6.920	7.274	2088406	2266099	0.493	0.561
6) d-BHC	6.761	7.218	1397611	1816056	0.339	0.511 #
7) Aldrin	7.163	7.538	1983865	1985635	0.455	0.534
8) Heptachlo...	7.633	7.973	1984641	2034040	0.490	0.556
9) trans-Chl...	7.727	8.112	1925594	1969558	0.465	0.532
10) cis-Chlor...	7.824	8.219	1943677	1990595	0.474	0.561
11) Endosulfa...	7.928	8.269	1806599	1819190	0.479	0.549
12) 4,4'-DDE	7.880	8.323	1488674	1588759	0.364	0.481 #
13) Dieldrin	8.101	8.467	1890452	1903893	0.447	0.518
14) Endrin	8.271	8.691	1343181	1241690	0.444	0.480
15) 4,4'-DDD	8.309	8.736	1338233	1460301	0.401	0.518 #
16) Endosulfa...	8.435	8.839	1532660	1655922	0.474	0.564
17) 4,4'-DDT	8.503	8.959	1202509	1227833	0.389	0.462
18) Endrin Al...	8.729	9.073	2173619	2196243	0.660	0.771
19) Endosulfa...	9.033	9.266	1731826	1864404	0.598	0.735
20) Methoxychlor	8.835	9.425	712510	771752	0.470	0.520
21) Endrin Ke...	9.235	9.657	2069188	7722012	0.895	4.572 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Not used in calibration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:32
 Operator : MJB
 Sample : 0J15061-CAL1
 Misc : A20J274, AB 0.5 ppb
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:41:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

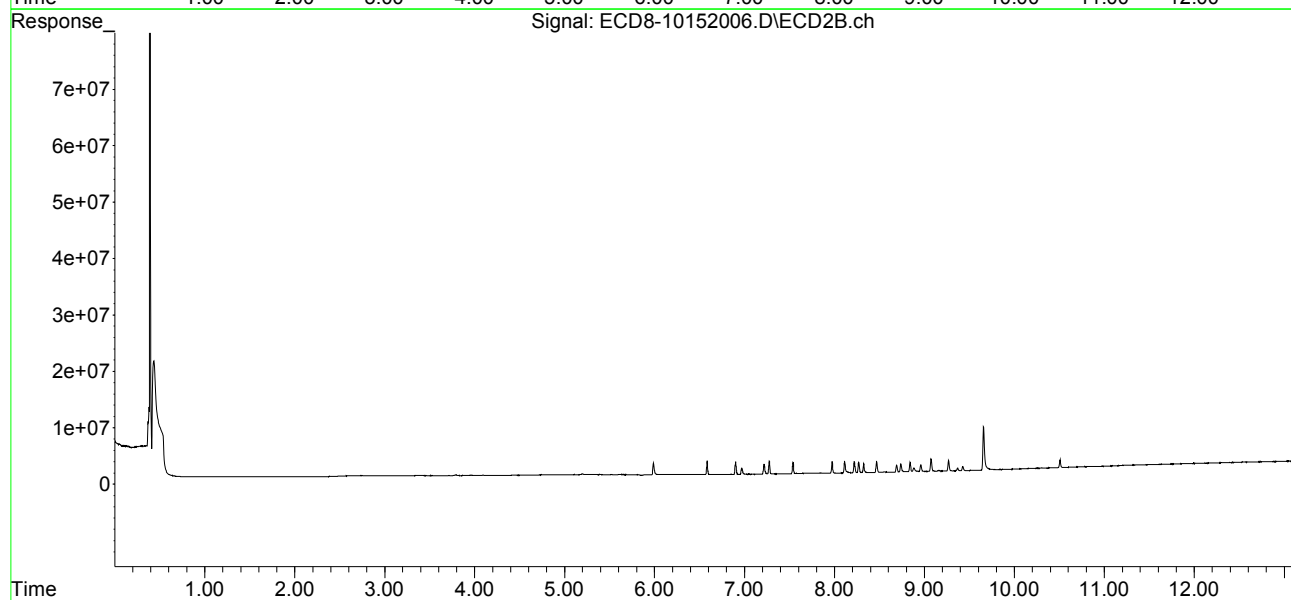
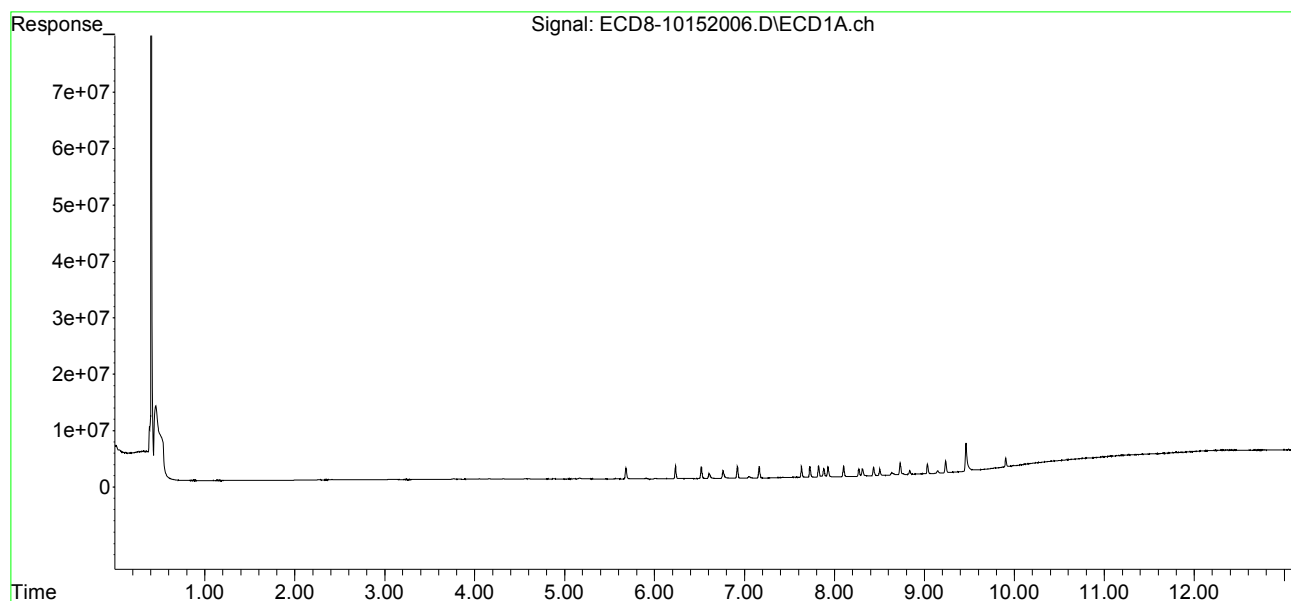
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:32
Operator : MJB
Sample : 0J15061-CAL1
Misc : A20J274, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:41:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:48
 Operator : MJB
 Sample : 0J15061-CAL2
 Misc : A20J275, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:42:51 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 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)	5.683	5.990	3675375	3996914	0.985	1.139
22) S DCBP (S)	9.903	10.505	3197716	2586506	0.832	1.013
Target Compounds						
2) a-BHC	6.233	6.585	4586018	4866992	0.931	1.141
3) g-BHC	6.520	6.900	3906552	4265430	0.883	1.101
4) b-BHC	6.607	6.969	1540562	1994989	0.776	1.058 #
5) Heptachlor	6.919	7.273	4125267	4334823	0.974	1.103
6) d-BHC	6.760	7.217	2771438	3592643	0.672	0.978 #
7) Aldrin	7.161	7.537	3890178	3922163	0.891	1.063
8) Heptachlo...	7.632	7.972	3780245	3912347	0.934	1.069
9) trans-Chl...	7.726	8.112	3633454	3716881	0.878	1.003
10) cis-Chlor...	7.823	8.219	3710813	3697197	0.905	1.042
11) Endosulfa...	7.927	8.269	3420833	3424701	0.907	1.034
12) 4,4'-DDE	7.878	8.323	2806594	3083622	0.687	0.916 #
13) Dieldrin	8.100	8.467	3676591	3654098	0.869	0.994
14) Endrin	8.270	8.690	2564407	2521951	0.848	1.009
15) 4,4'-DDD	8.307	8.736	2561702	2804997	0.767	0.987 #
16) Endosulfa...	8.433	8.838	2928662	3080696	0.906	1.050
17) 4,4'-DDT	8.501	8.959	2340699	2447680	0.758	0.935
18) Endrin Al...	8.728	9.072	3907593	3815413	1.187	1.340
19) Endosulfa...	9.032	9.266	3157154	3258540	1.090	1.320
20) Methoxychlor	8.833	9.424	1332109	1490489	0.879	1.005
21) Endrin Ke...	9.234	9.657	3789042	4169368	1.639	2.430 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 18:48
 Operator : MJB
 Sample : 0J15061-CAL2
 Misc : A20J275, AB 1 ppb
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:42:51 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

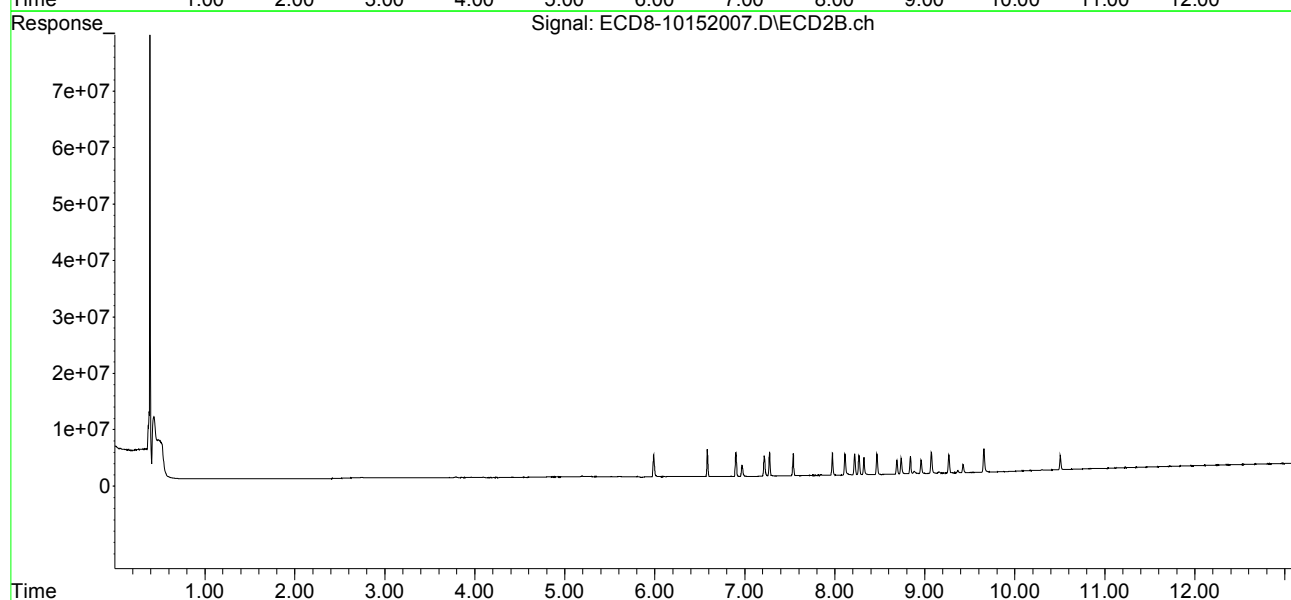
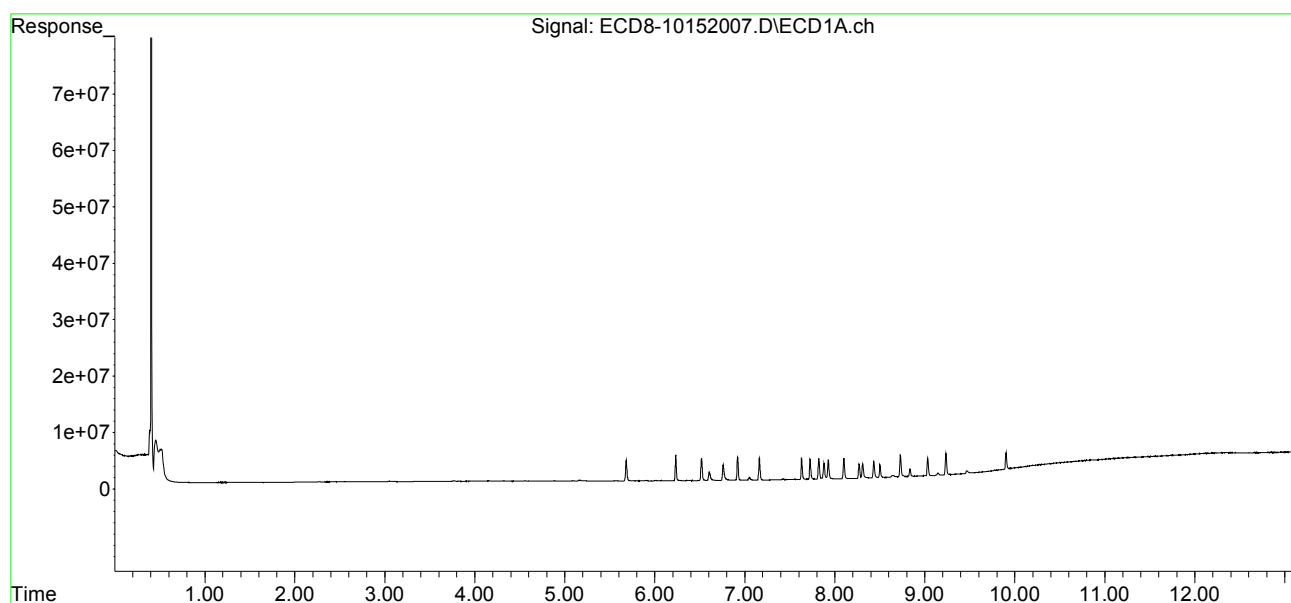
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 18:48
Operator : MJB
Sample : 0J15061-CAL2
Misc : A20J275, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:42:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:05
 Operator : MJB
 Sample : 0J15061-CAL3
 Misc : A20H471, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:43:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 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)	5.682	5.990	6974987	7527988	1.869	2.145
22) S DCBP (S)	9.902	10.505	5701683	4791544	1.660	2.087 #
Target Compounds						
2) a-BHC	6.233	6.585	9063124	9584271	1.841	2.203
3) g-BHC	6.520	6.900	7694107	8481393	1.739	2.185 #
4) b-BHC	6.604	6.968	3020188	3743280	1.521	1.986 #
5) Heptachlor	6.919	7.274	7834074	8356845	1.850	2.154
6) d-BHC	6.758	7.216	5908930	7521244	1.432	2.009 #
7) Aldrin	7.162	7.536	7559480	7805224	1.732	2.120
8) Heptachlo...	7.631	7.971	7111174	7501012	1.756	2.049
9) trans-Chl...	7.725	8.111	7224345	7196150	1.746	1.942
10) cis-Chlor...	7.822	8.217	6946216	7123870	1.694	2.008
11) Endosulfa...	7.926	8.268	6845706	6450502	1.814	1.947
12) 4,4'-DDE	7.875	8.320	5832058	6467389	1.427	1.897 #
13) Dieldrin	8.099	8.466	7217877	7205936	1.707	1.959
14) Endrin	8.269	8.690	5198958	4965041	1.719	2.017
15) 4,4'-DDD	8.305	8.734	5108732	5453646	1.530	1.910
16) Endosulfa...	8.431	8.836	5775620	5953424	1.785	2.029
17) 4,4'-DDT	8.499	8.957	4776266	4865206	1.546	1.871
18) Endrin Al...	8.726	9.071	7357293	7179367	2.234	2.522
19) Endosulfa...	9.031	9.265	5905541	6267396	2.039	2.578 #
20) Methoxychlor	8.831	9.424	2713959	2917738	1.791	1.968
21) Endrin Ke...	9.233	9.655	7274419	7194544	3.147	4.255 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:05
 Operator : MJB
 Sample : 0J15061-CAL3
 Misc : A20H471, AB 2 ppb
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:43:34 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

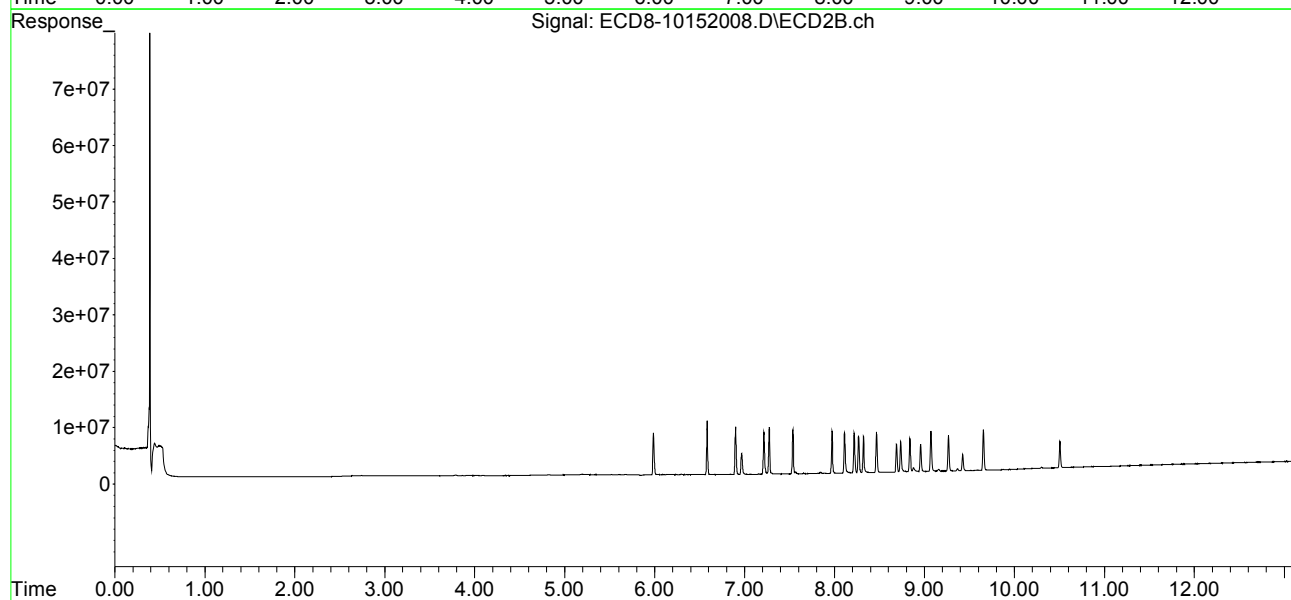
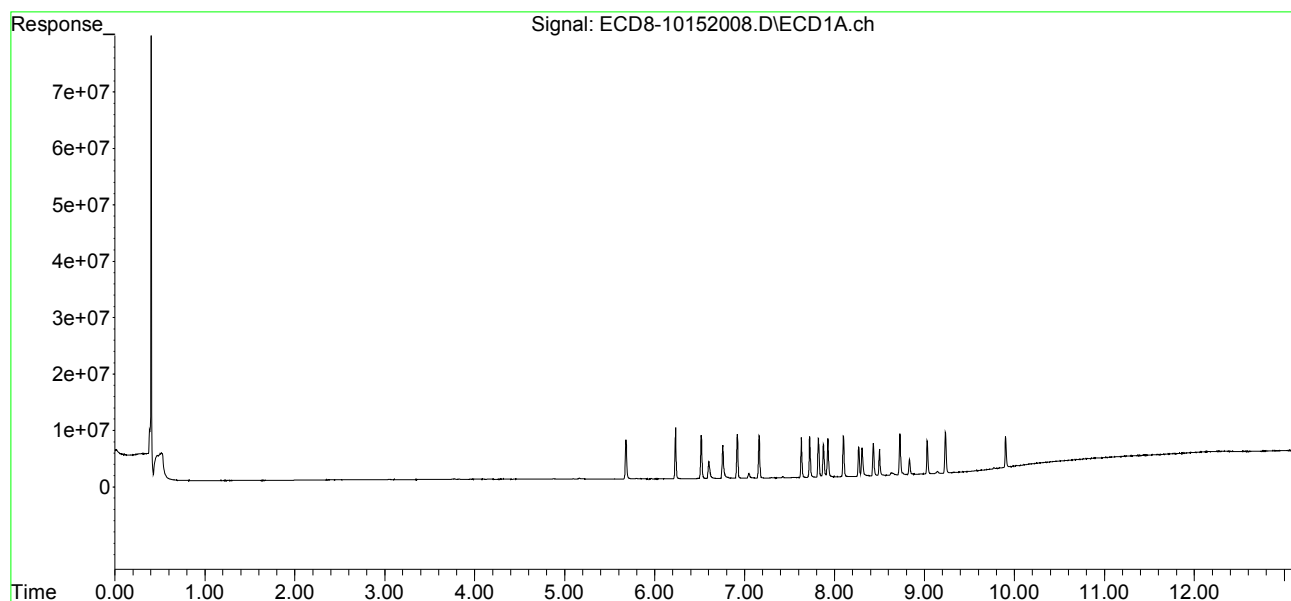
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 19:05
Operator : MJB
Sample : 0J15061-CAL3
Misc : A20H471, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:43:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:21
 Operator : MJB
 Sample : 0J15061-CAL4
 Misc : A20H472, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:44:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 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)	5.682	5.990	16956681	18484065	4.543	5.266
22) S DCBP (S)	9.902	10.505	12863204	11283832	4.027	5.235 #
Target Compounds						
2) a-BHC	6.233	6.585	22751844	25276916	4.620	5.713
3) g-BHC	6.521	6.900	18571945	21316708	4.199	5.463 #
4) b-BHC	6.605	6.968	6967859	8823163	3.510	4.680 #
5) Heptachlor	6.920	7.274	19135941	20724830	4.520	5.366
6) d-BHC	6.759	7.216	14723164	19014583	3.569	5.008 #
7) Aldrin	7.163	7.537	19043093	19417167	4.364	5.263
8) Heptachlo...	7.633	7.971	17849960	18369288	4.408	5.018
9) trans-Chl...	7.725	8.111	17399945	18128038	4.205	4.892
10) cis-Chlor...	7.823	8.218	17370803	17821595	4.236	5.023
11) Endosulfa...	7.927	8.268	16393128	16389737	4.345	4.948
12) 4,4'-DDE	7.876	8.320	14353371	15866253	3.511	4.605 #
13) Dieldrin	8.100	8.466	18084070	18768975	4.276	5.103
14) Endrin	8.270	8.689	12643881	12382702	4.182	5.055
15) 4,4'-DDD	8.306	8.734	12317174	13730751	3.688	4.774 #
16) Endosulfa...	8.432	8.836	13817746	14467378	4.273	4.931
17) 4,4'-DDT	8.500	8.958	11690217	12754125	3.783	4.897 #
18) Endrin Al...	8.726	9.071	14781149	15071497	4.489	5.294
19) Endosulfa...	9.031	9.265	13964857	14969553	4.822	6.186 #
20) Methoxychlor	8.832	9.423	6325525	6672527	4.174	4.500
21) Endrin Ke...	9.234	9.655	18023751	17644405	7.798	10.452 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:21
 Operator : MJB
 Sample : 0J15061-CAL4
 Misc : A20H472, AB 5 ppb
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:44:11 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

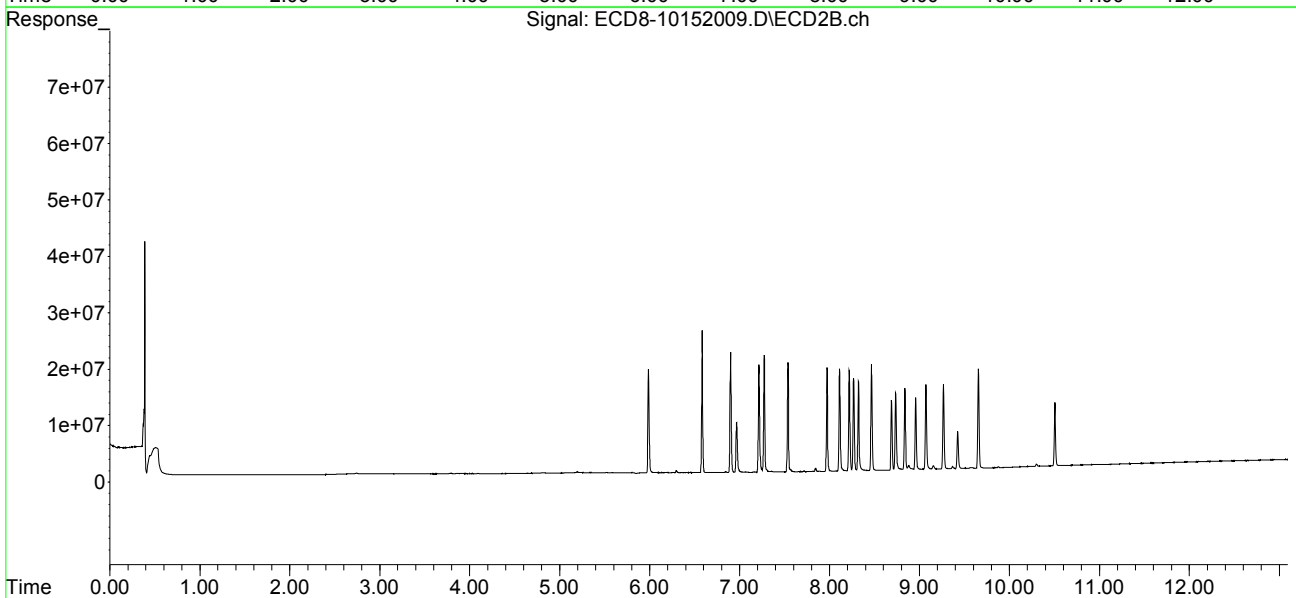
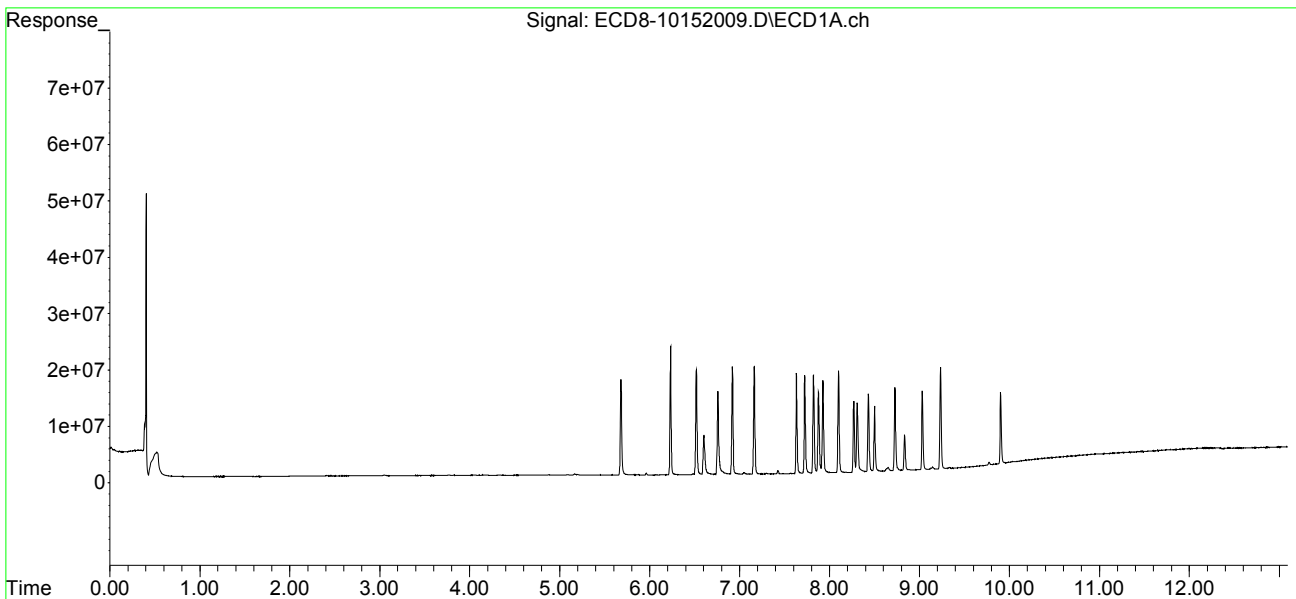
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 19:21
Operator : MJB
Sample : 0J15061-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:44:11 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:38
 Operator : MJB
 Sample : 0J15061-CAL5
 Misc : A20H473, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:44:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 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)	5.682	5.989	33785802	37691189	9.052	10.737
22) S DCBP (S)	9.902	10.504	25663363	22219920	8.256	10.497 #
Target Compounds						
2) a-BHC	6.233	6.584	45945237	51661582	9.330	11.530
3) g-BHC	6.520	6.900	39002587	45048871	8.818	11.429 #
4) b-BHC	6.603	6.967	14251469	17799613	7.178	9.442 #
5) Heptachlor	6.919	7.273	39173115	44108090	9.252	11.354
6) d-BHC	6.757	7.215	30313826	40912398	7.349	10.648 #
7) Aldrin	7.161	7.536	39135359	41106892	8.968	11.056
8) Heptachlo...	7.631	7.971	35393917	38488002	8.740	10.514
9) trans-Chl...	7.725	8.111	35298078	37624061	8.531	10.154
10) cis-Chlor...	7.822	8.218	35411410	37266618	8.635	10.504
11) Endosulfa...	7.926	8.267	32830959	34291287	8.702	10.353
12) 4,4'-DDE	7.875	8.320	30250769	33692294	7.400	9.671 #
13) Dieldrin	8.099	8.466	37548230	38676878	8.879	10.516
14) Endrin	8.269	8.689	25971387	24972648	8.589	10.140
15) 4,4'-DDD	8.305	8.733	25608106	29438067	7.667	10.135 #
16) Endosulfa...	8.431	8.835	28511350	30118924	8.817	10.266
17) 4,4'-DDT	8.499	8.957	25096147	26962252	8.122	10.249 #
18) Endrin Al...	8.725	9.070	27881516	29477669	8.468	10.355
19) Endosulfa...	9.030	9.264	28097911	30451627	9.701	12.503 #
20) Methoxychlor	8.832	9.423	12655213	14104841	8.350	9.512
21) Endrin Ke...	9.232	9.654	35605046	36555813	15.404	21.272 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:38
 Operator : MJB
 Sample : 0J15061-CAL5
 Misc : A20H473, AB 10 ppb
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:44:52 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

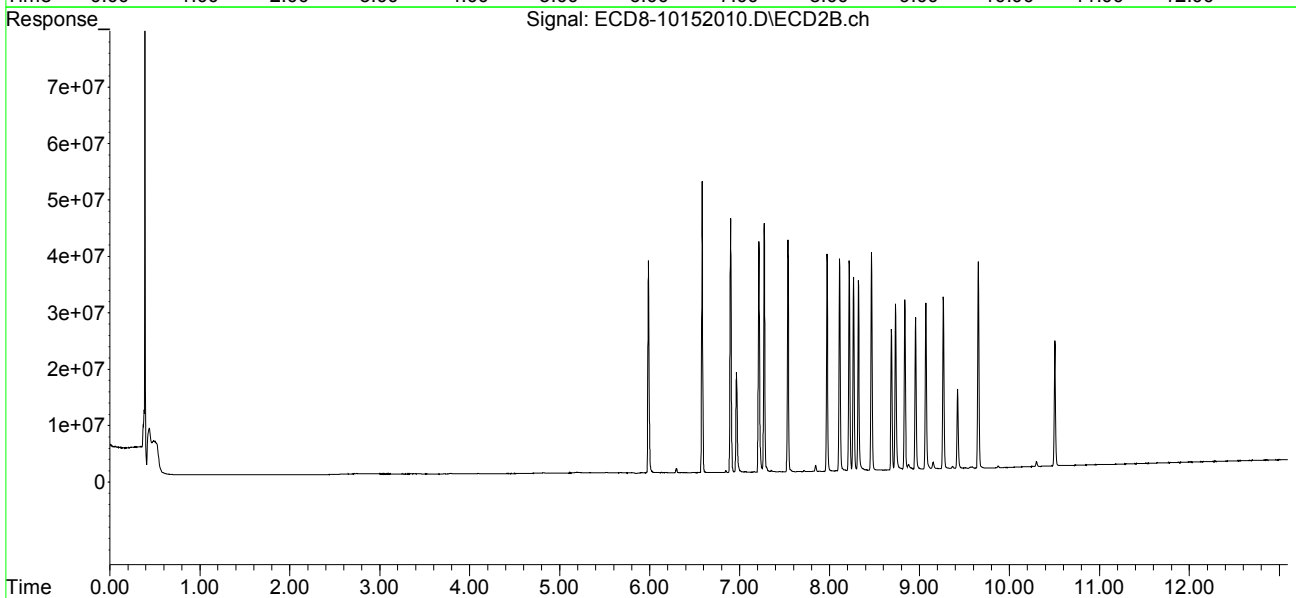
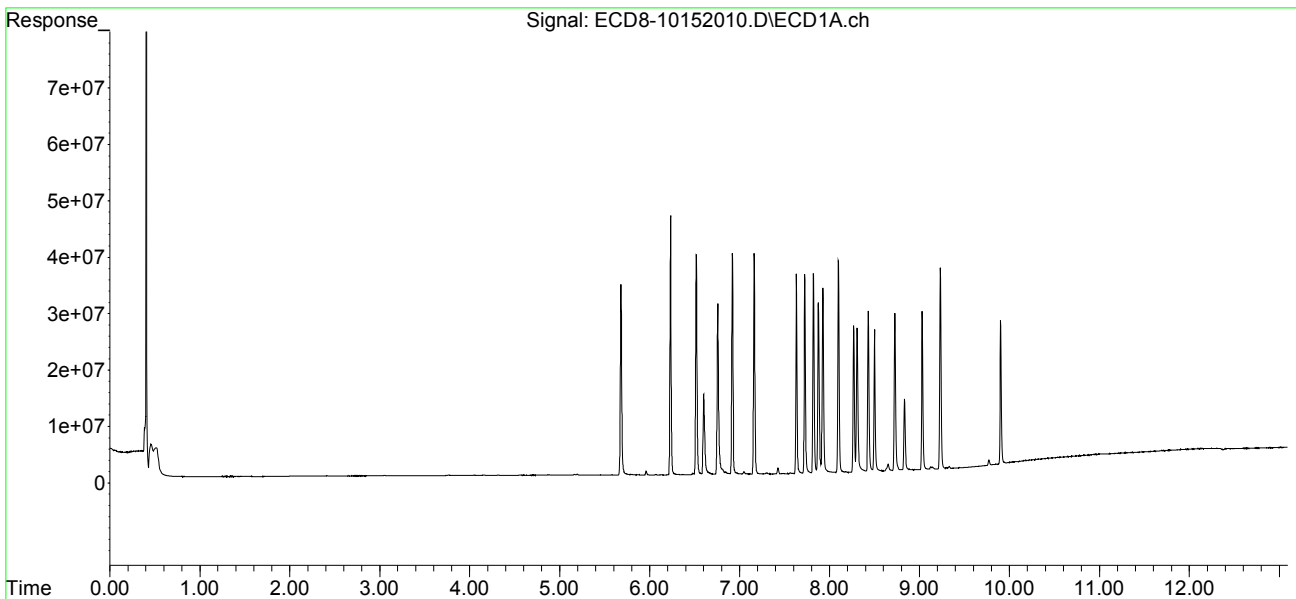
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 19:38
Operator : MJB
Sample : 0J15061-CAL5
Misc : A20H473, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:44:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:54
 Operator : MJB
 Sample : 0J15061-CAL6
 Misc : A20H474, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:45:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 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)	5.682	5.989	86612386	97518197	23.205	27.780
22) S DCBP (S)	9.902	10.504	62318460	56260952	20.357	26.560 #
Target Compounds						
2) a-BHC	6.233	6.585	120.1E6	137.7E6	24.387	29.817
3) g-BHC	6.520	6.900	100.3E6	118.2E6	22.681	29.116 #
4) b-BHC	6.601	6.966	38003561	46171935	19.142	24.491 #
5) Heptachlor	6.919	7.273	101.7E6	114.2E6	24.015	28.698
6) d-BHC	6.755	7.215	82864455	109.6E6	20.089	27.749 #
7) Aldrin	7.161	7.536	97817805	109.3E6	22.416	28.644 #
8) Heptachlo...	7.631	7.971	89599740	99299787	22.126	27.125
9) trans-Chl...	7.724	8.111	91365998	97950589	22.082	26.435
10) cis-Chlor...	7.821	8.217	88782494	95308938	21.649	26.863
11) Endosulfa...	7.925	8.267	83964035	90769540	22.254	27.403
12) 4,4'-DDE	7.874	8.320	79179643	92501534	19.368	25.791 #
13) Dieldrin	8.099	8.466	93635281	103.9E6	22.141	28.239 #
14) Endrin	8.269	8.689	68701409	70747094	22.721	27.943
15) 4,4'-DDD	8.304	8.733	67884289	76853167	20.325	25.769 #
16) Endosulfa...	8.431	8.836	72694490	79168334	22.480	26.985
17) 4,4'-DDT	8.499	8.957	68705008	76033637	22.235	27.860 #
18) Endrin Al...	8.726	9.070	68571764	73274578	20.825	25.739
19) Endosulfa...	9.030	9.264	71990912	78726299	24.856	31.433 #
20) Methoxychlor	8.831	9.422	32595572	37809034	21.508	25.499
21) Endrin Ke...	9.232	9.655	88349751	93392767	38.222	51.270 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 19:54
 Operator : MJB
 Sample : 0J15061-CAL6
 Misc : A20H474, AB 25 ppb
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:45:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

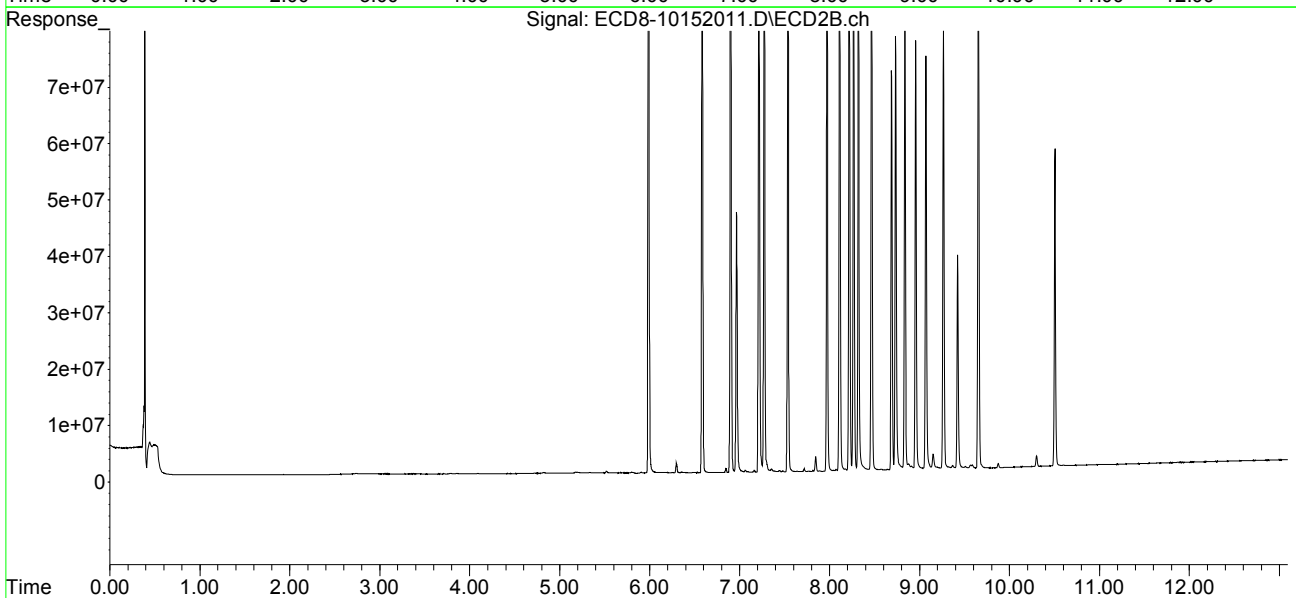
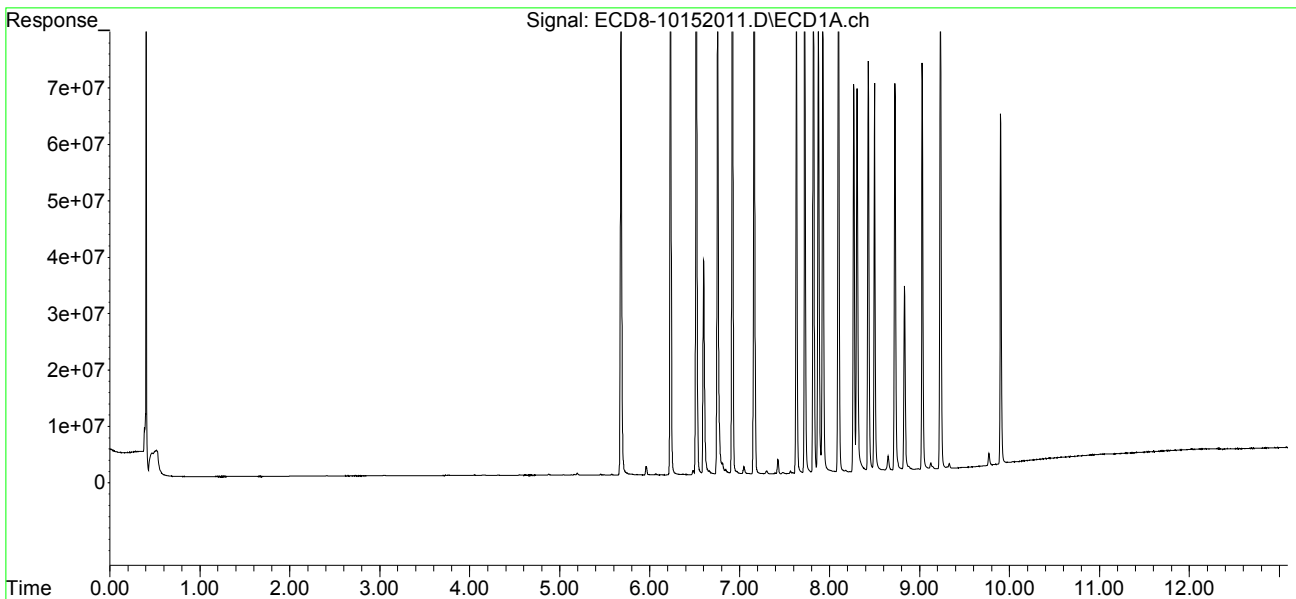
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 19:54
Operator : MJB
Sample : 0J15061-CAL6
Misc : A20H474, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:45:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:11
 Operator : MJB
 Sample : 0J15061-CAL7
 Misc : A20H475, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:39:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.683	5.990	171.3E6	202.3E6	45.900	57.631 #
22) S DCBP (S)	9.903	10.506	121.6E6	112.4E6	39.882	52.102 #
Target Compounds						
2) a-BHC	6.234	6.585	237.8E6	276.4E6	48.293	57.452
3) g-BHC	6.520	6.900	199.7E6	242.4E6	45.149	57.077 #
4) b-BHC	6.601	6.966	77551148	98666610	39.061	52.337 #
5) Heptachlor	6.919	7.273	197.0E6	235.2E6	46.524	56.791
6) d-BHC	6.755	7.215	170.5E6	227.1E6	41.344	55.247 #
7) Aldrin	7.162	7.537	193.9E6	228.4E6	44.430	57.471 #
8) Heptachlo...	7.631	7.971	175.7E6	201.0E6	43.389	54.920 #
9) trans-Chl...	7.723	8.110	183.0E6	206.2E6	44.234	55.656 #
10) cis-Chlor...	7.821	8.217	175.8E6	195.5E6	42.858	55.098 #
11) Endosulfa...	7.925	8.267	164.8E6	182.7E6	43.669	55.155 #
12) 4,4'-DDE	7.872	8.319	165.1E6	195.7E6	40.392	52.197 #
13) Dieldrin	8.098	8.465	187.2E6	205.8E6	44.269	55.957 #
14) Endrin	8.268	8.689	138.9E6	147.3E6	45.924	55.671
15) 4,4'-DDD	8.303	8.733	134.1E6	163.2E6	40.147	52.423 #
16) Endosulfa...	8.429	8.835	142.3E6	165.5E6	44.019	56.402 #
17) 4,4'-DDT	8.498	8.957	137.9E6	158.4E6	44.622	54.936
18) Endrin Al...	8.724	9.071	134.3E6	146.0E6	40.784	51.300 #
19) Endosulfa...	9.030	9.264	142.5E6	162.8E6	49.211	62.070 #
20) Methoxychlor	8.831	9.423	63985860	75074553	42.220	50.631
21) Endrin Ke...	9.233	9.656	178.0E6	193.2E6	77.015	97.306 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152012.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:11
 Operator : MJB
 Sample : 0J15061-CAL7
 Misc : A20H475, AB 50 ppb
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:39:40 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Thu Aug 27 10:01:10 2020
 Response via : Initial Calibration
 Integrator: ChemStation

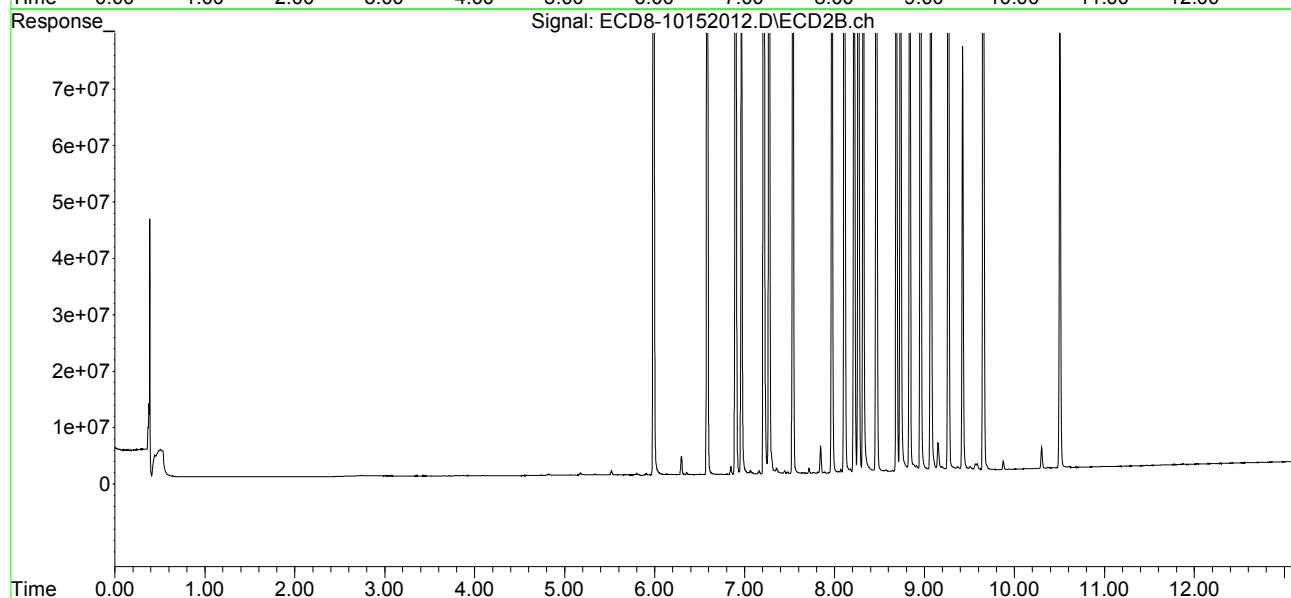
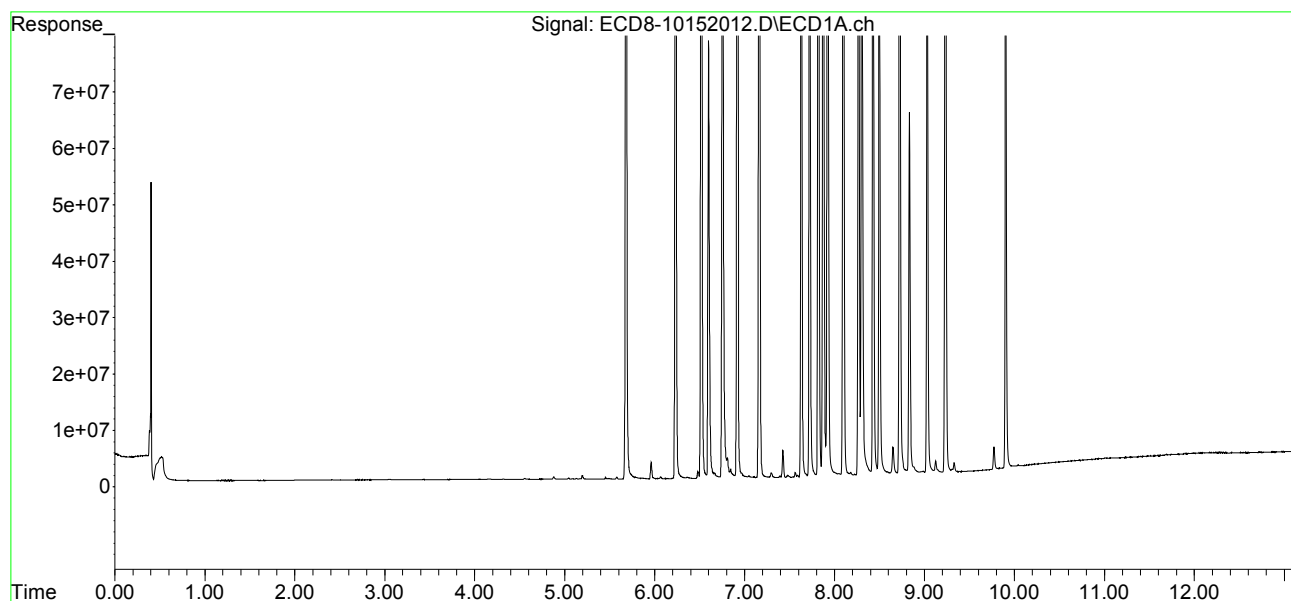
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	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\2020-10\0J15061\
Data File : ECD8-10152012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 20:11
Operator : MJB
Sample : 0J15061-CAL7
Misc : A20H475, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:39:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Thu Aug 27 10:01:10 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:27
 Operator : MJB
 Sample : 0J15061-CAL8
 Misc : A20H476, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:46:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 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)	5.683	5.990	353.9E6	425.7E6	94.829	121.275 #
22) S DCBP (S)	9.902	10.504	254.4E6	242.3E6	83.502	107.268 #
Target Compounds						
2) a-BHC	6.234	6.585	492.9E6	598.9E6	100.097	114.936
3) g-BHC	6.520	6.900	432.4E6	506.9E6	97.761	110.121
4) b-BHC	6.599	6.965	173.0E6	211.1E6	87.132	111.969 #
5) Heptachlor	6.918	7.273	425.5E6	500.4E6	100.494	112.089
6) d-BHC	6.751	7.213	384.5E6	507.6E6	93.218	114.012
7) Aldrin	7.160	7.536	415.8E6	476.9E6	95.276	111.558
8) Heptachlo...	7.629	7.970	370.1E6	442.7E6	91.392	120.934 #
9) trans-Chl...	7.722	8.110	386.7E6	449.4E6	93.464	121.271 #
10) cis-Chlor...	7.820	8.217	372.5E6	421.6E6	90.825	118.814 #
11) Endosulfa...	7.924	8.267	346.0E6	395.1E6	91.695	119.282 #
12) 4,4'-DDE	7.870	8.318	362.8E6	440.1E6	88.742	107.632
13) Dieldrin	8.098	8.465	395.8E6	459.8E6	93.595	125.023 #
14) Endrin	8.268	8.689	308.9E6	345.9E6	102.175	118.896
15) 4,4'-DDD	8.300	8.731	313.9E6	361.9E6	93.989	107.064
16) Endosulfa...	8.429	8.835	312.1E6	366.8E6	96.530	125.030 #
17) 4,4'-DDT	8.497	8.956	321.4E6	373.7E6	104.021	115.644
18) Endrin Al...	8.724	9.070	282.4E6	319.3E6	85.772	112.165 #
19) Endosulfa...	9.030	9.264	301.0E6	361.9E6	103.927	125.937
20) Methoxychlor	8.827	9.422	158.4E6	181.1E6	104.503	122.164
21) Endrin Ke...	9.232	9.656	368.2E6	418.0E6	159.289	182.429
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152013.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:27
 Operator : MJB
 Sample : 0J15061-CAL8
 Misc : A20H476, AB 100 ppb
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:46:13 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

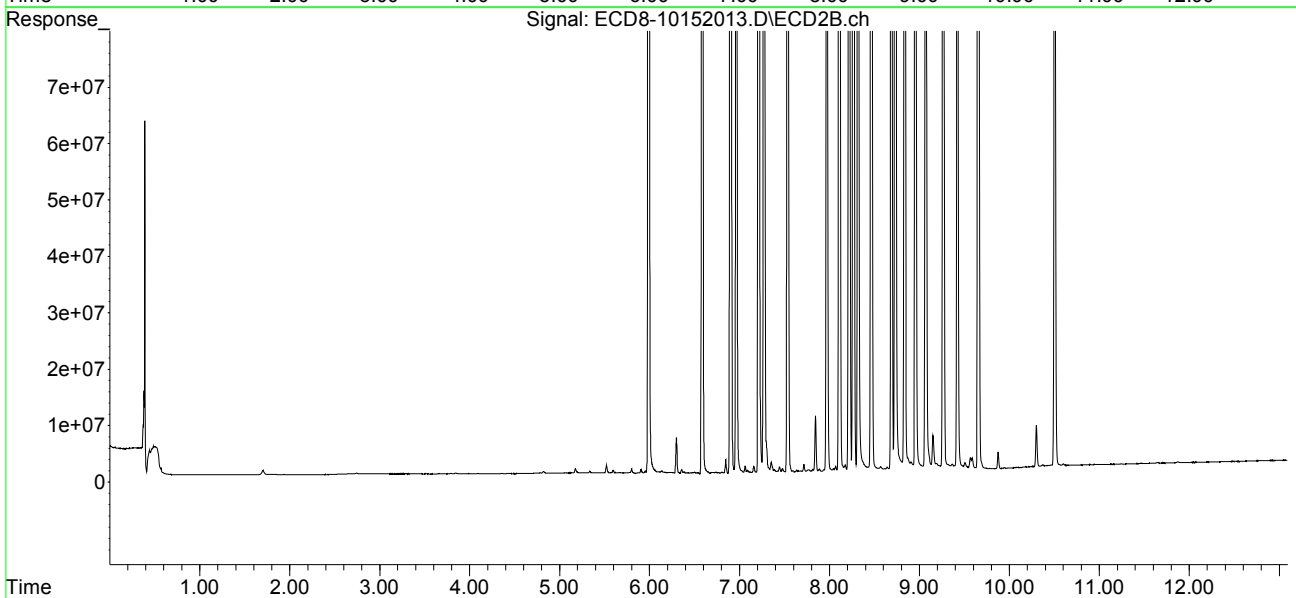
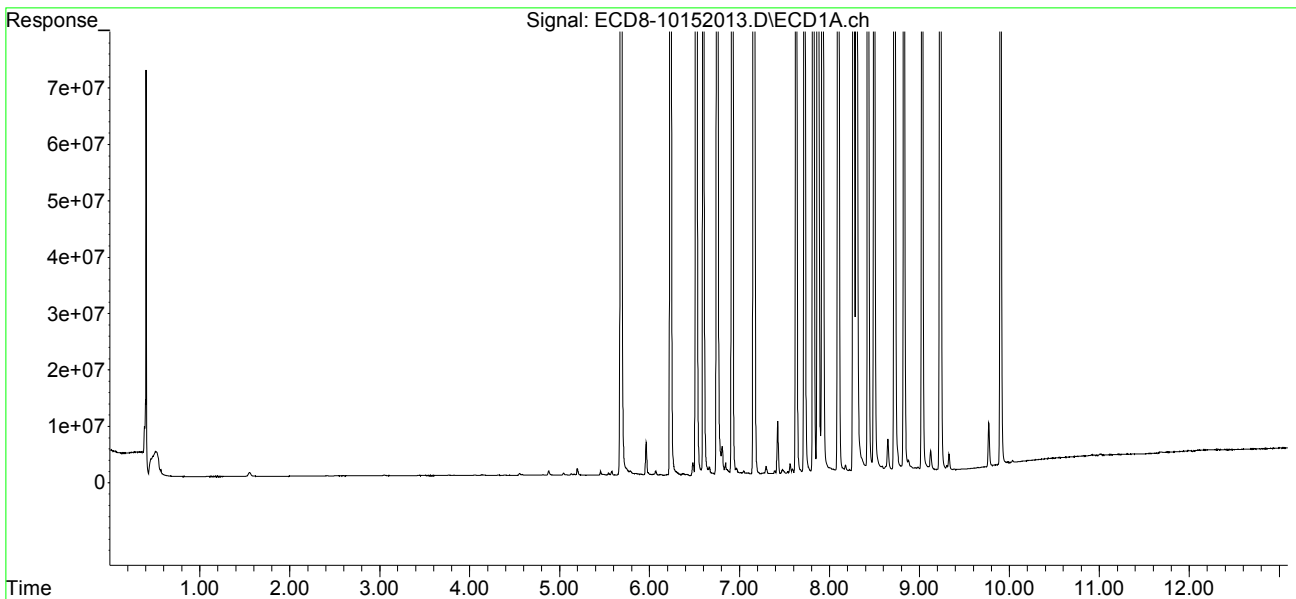
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 20:27
Operator : MJB
Sample : 0J15061-CAL8
Misc : A20H476, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:46:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:44
 Operator : MJB
 Sample : 0J15061-CAL9
 Misc : A20H470, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:46:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 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)	5.683	5.991	707.1E6	877.5E6	189.457	249.977 #
22) S DCBP (S)	9.903	10.505	508.9E6	513.8E6	166.550	209.470 #
Target Compounds						
2) a-BHC	6.234	6.586	999.0E6	1264.9E6	202.884	214.380
3) g-BHC	6.520	6.901	875.8E6	1095.4E6	198.006	208.196
4) b-BHC	6.599	6.966	348.7E6	427.2E6	175.634	226.607 #
5) Heptachlor	6.919	7.274	860.4E6	1063.1E6	203.213	210.885
6) d-BHC	6.752	7.214	812.4E6	1082.6E6	196.939	214.883
7) Aldrin	7.161	7.537	808.8E6	985.1E6	185.336	205.344
8) Heptachlo...	7.630	7.971	738.1E6	893.9E6	182.280	244.175 #
9) trans-Chl...	7.723	8.111	771.1E6	928.7E6	186.359	250.646 #
10) cis-Chlor...	7.820	8.218	744.5E6	889.6E6	181.527	250.741 #
11) Endosulfa...	7.924	8.267	695.9E6	827.3E6	184.433	249.746 #
12) 4,4'-DDE	7.870	8.319	733.3E6	932.3E6	179.376	200.232
13) Dieldrin	8.098	8.466	785.1E6	964.7E6	185.644	262.294 #
14) Endrin	8.267	8.689	618.0E6	717.2E6	204.405	216.306
15) 4,4'-DDD	8.300	8.732	624.8E6	785.4E6	187.062	203.795
16) Endosulfa...	8.429	8.835	627.2E6	777.0E6	193.971	264.857 #
17) 4,4'-DDT	8.497	8.957	664.3E6	806.5E6	215.004	212.875
18) Endrin Al...	8.724	9.070	583.5E6	684.2E6	177.207	240.355 #
19) Endosulfa...	9.030	9.265	596.2E6	743.8E6	205.840	227.283
20) Methoxychlor	8.828	9.422	315.4E6	372.5E6	208.144	251.230
21) Endrin Ke...	9.232	9.656	755.0E6	903.6E6	326.614	322.996
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152014.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 20:44
 Operator : MJB
 Sample : 0J15061-CAL9
 Misc : A20H470, AB 200 ppb
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:46:44 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

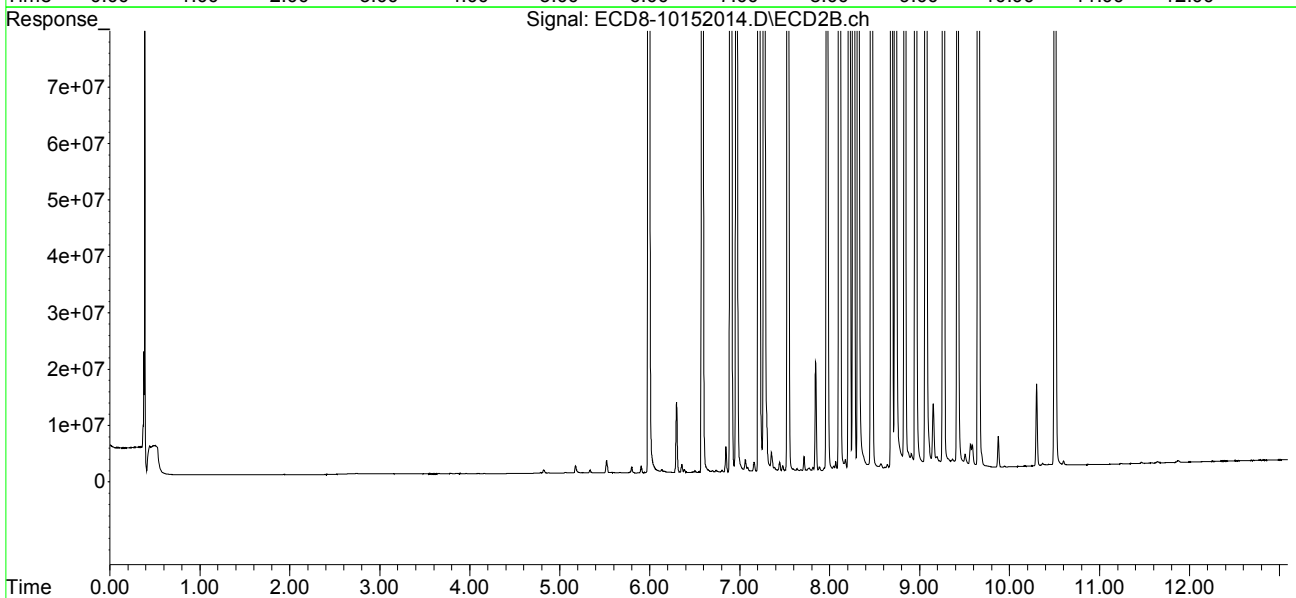
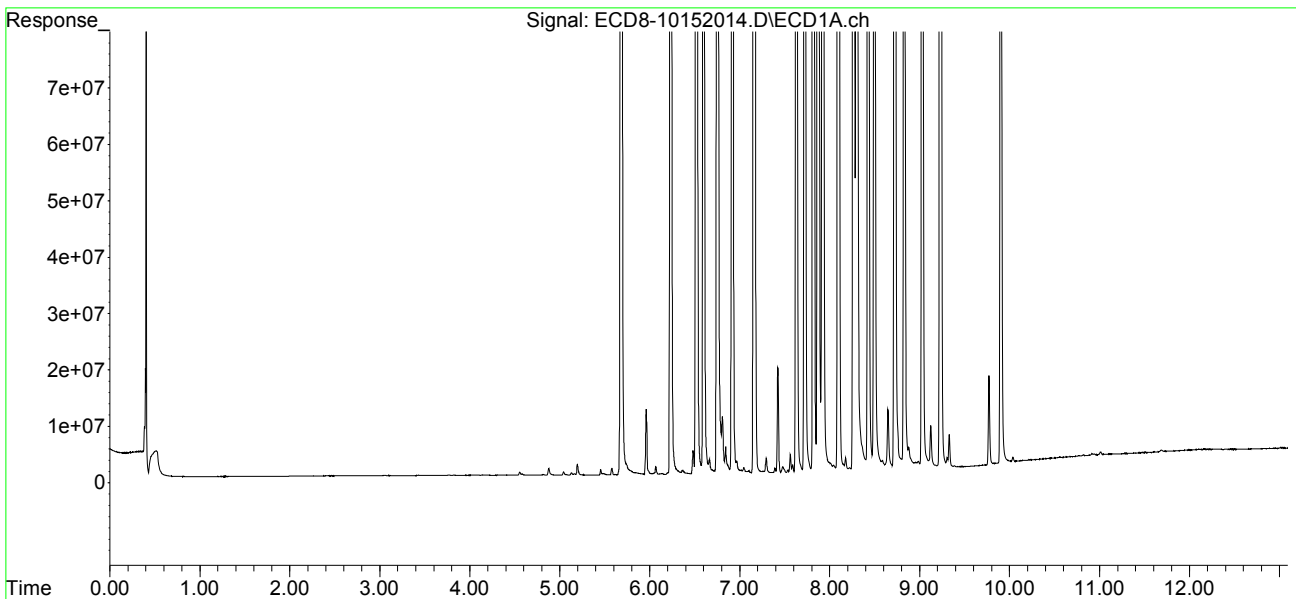
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 20:44
Operator : MJB
Sample : 0J15061-CAL9
Misc : A20H470, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:46:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:33
 Operator : MJB
 Sample : 0J15061-CALA
 Misc : A20J276, 9-42 0.5 ppb
 ALS Vial : 14 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:49:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.475	3.703	2239091	2507236	0.415	0.451
24) Hexachlor...	6.070	6.454	1970418	2349149	0.326	0.485 #
25) Oxychlorane	7.556	7.904	1937874	2061148	0.383	0.480 #
26) 2,4'-DDE	7.627	8.100	1201503	1304771	0.290	0.387 #
27) trans-Non...	7.810	8.179	2163375	2327996	0.343	0.479 #
28) 2,4'-DDD	8.006	8.471	1125210	1319106	0.309	0.467 #
29) 2,4'-DDT	8.185	8.691	1221609	1355429	0.344	0.473 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152017.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:33
 Operator : MJB
 Sample : 0J15061-CALA
 Misc : A20J276, 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: Oct 20 16:49:12 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

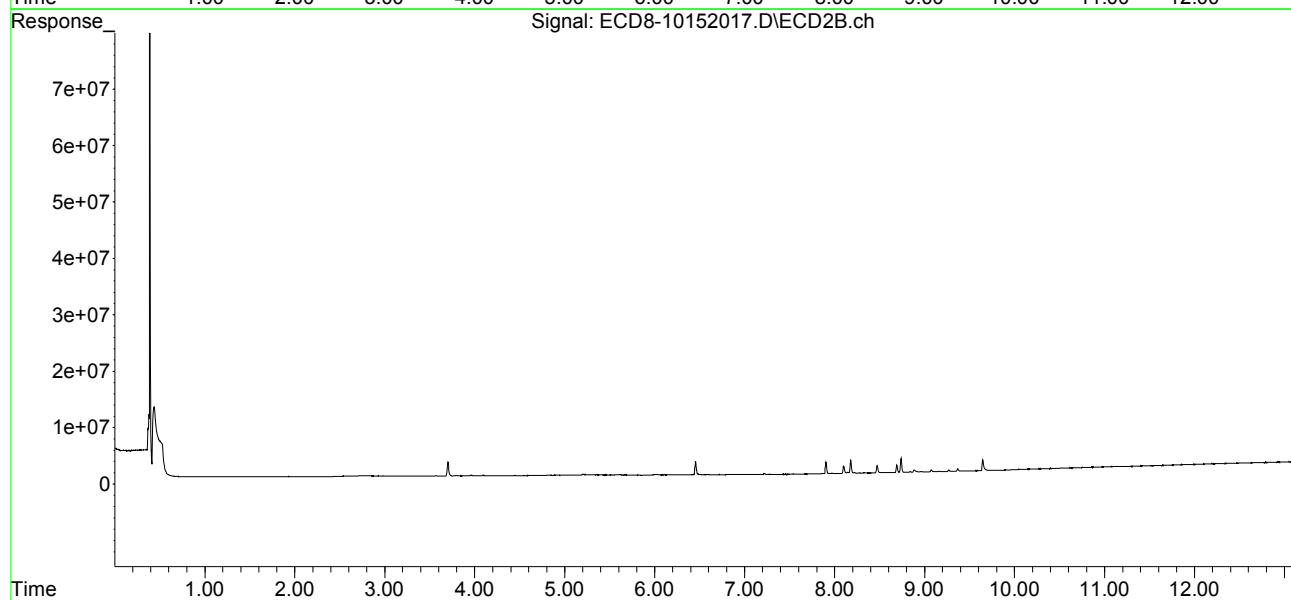
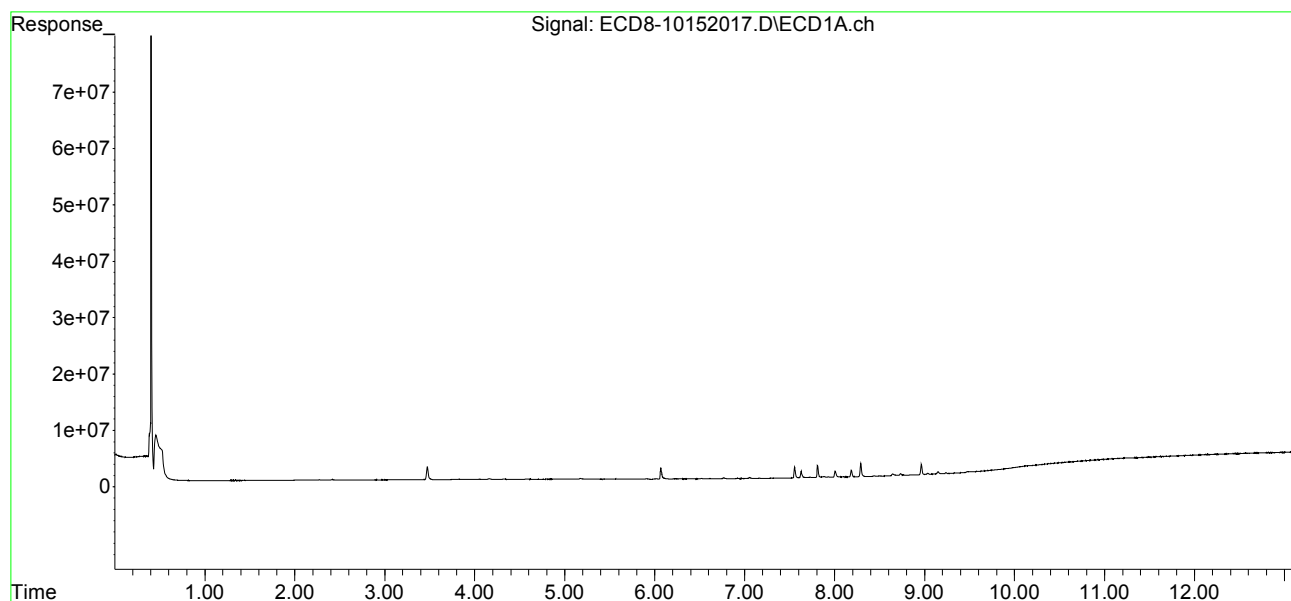
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.737	2361680	2474139	0.398	0.524 #
31)	Mirex	8.964	9.647	1825977	1941278	0.412	0.509
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	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\2020-10\0J15061\
Data File : ECD8-10152017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:33
Operator : MJB
Sample : 0J15061-CALA
Misc : A20J276, 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: Oct 20 16:49:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:50
 Operator : MJB
 Sample : 0J15061-CALB
 Misc : A20I180, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:49:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.474	3.703	3774672	4324213	0.858	0.943
24) Hexachlor...	6.070	6.454	3664461	4208870	0.804	1.050 #
25) Oxychlorane	7.555	7.903	3610716	3742926	0.872	1.065
26) 2,4'-DDE	7.626	8.099	2330761	2507932	0.732	0.933 #
27) trans-Non...	7.809	8.178	3910682	4195390	0.809	1.068 #
28) 2,4'-DDD	8.004	8.470	2191428	2545735	0.786	1.098 #
29) 2,4'-DDT	8.183	8.691	2264292	2394823	0.794	0.988

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152018.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 21:50
 Operator : MJB
 Sample : 0J15061-CALB
 Misc : A20I180, 9-42 1 ppb
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:49:48 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

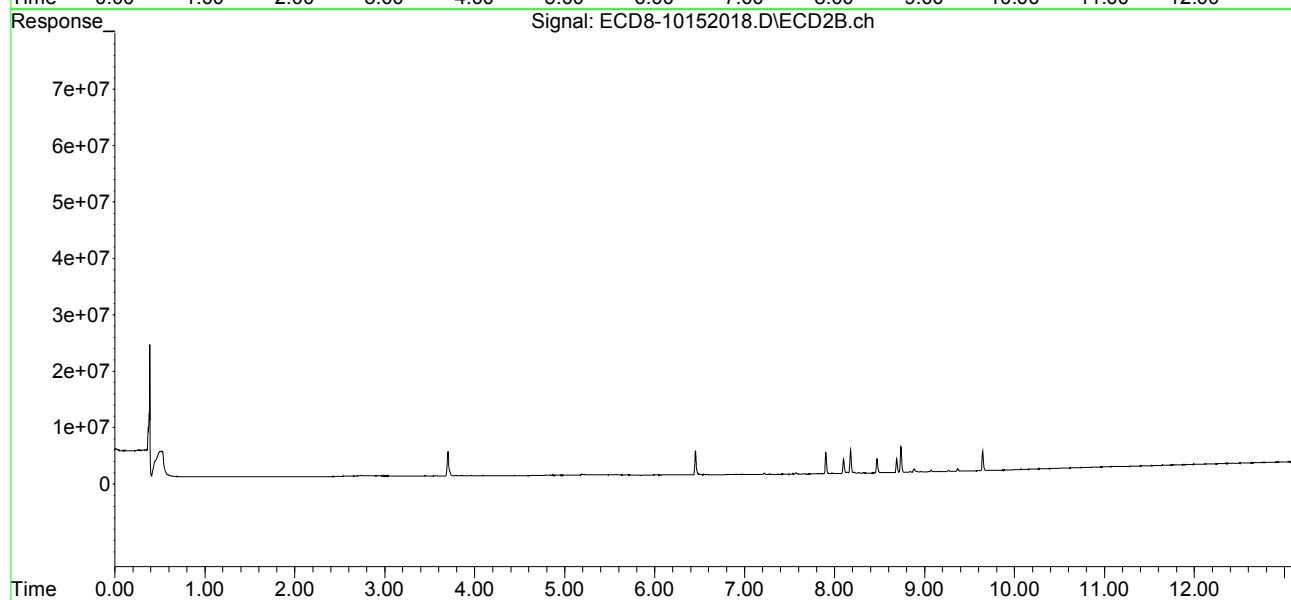
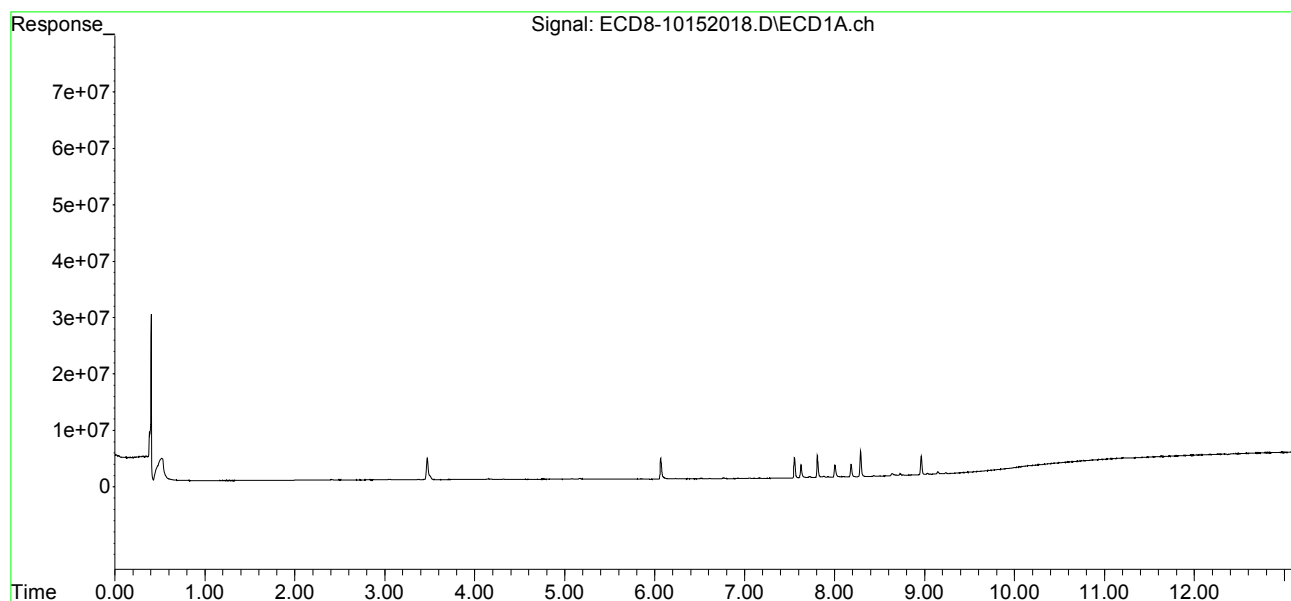
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.737	4530614	4587763	0.932	1.126
31)	Mirex	8.963	9.646	3315145	3435505	0.981	1.218
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	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\2020-10\0J15061\
Data File : ECD8-10152018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 21:50
Operator : MJB
Sample : 0J15061-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:49:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:06
 Operator : MJB
 Sample : 0J15061-CALC
 Misc : A20I181, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:50:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.474	3.703	7127380	8105552	1.826	1.966
24) Hexachlor...	6.069	6.453	6539006	7438773	1.615	2.030 #
25) Oxychlorane	7.554	7.903	6208420	6625326	1.633	2.066 #
26) 2,4'-DDE	7.624	8.099	3901157	4384687	1.347	1.783 #
27) trans-Non...	7.809	8.177	6858041	7161689	1.595	2.001 #
28) 2,4'-DDD	8.004	8.469	3682349	4129327	1.454	1.911 #
29) 2,4'-DDT	8.183	8.690	3742080	3988690	1.432	1.776

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152019.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:06
 Operator : MJB
 Sample : 0J15061-CALC
 Misc : A20I181, 9-42 2 ppb
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:50:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

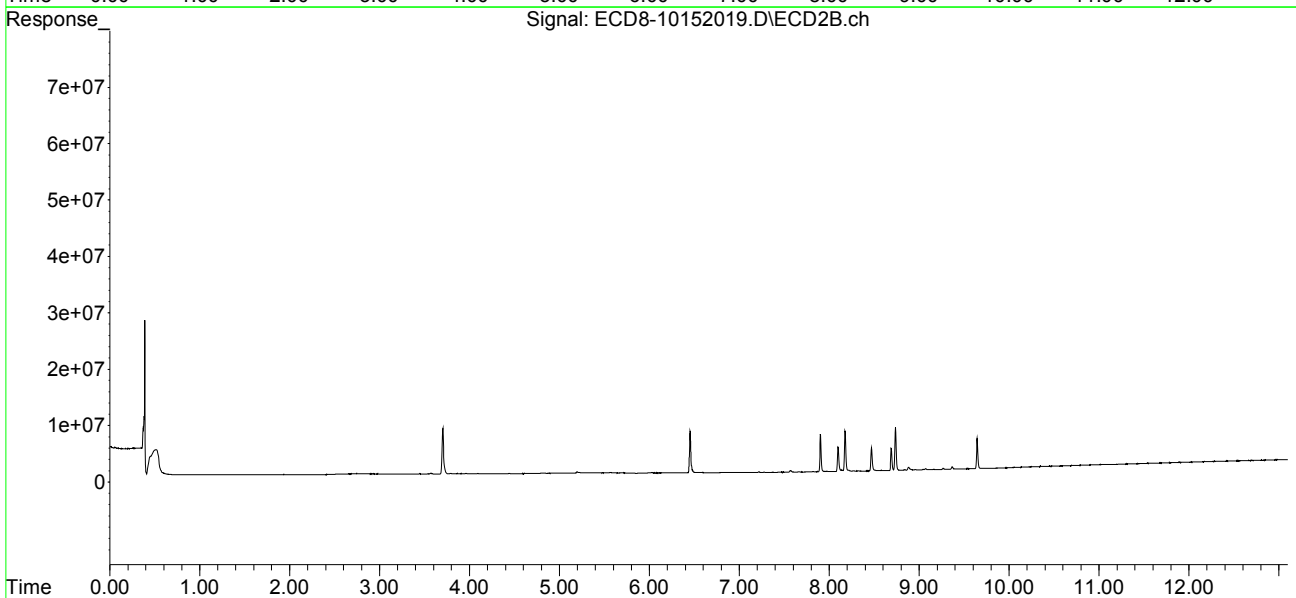
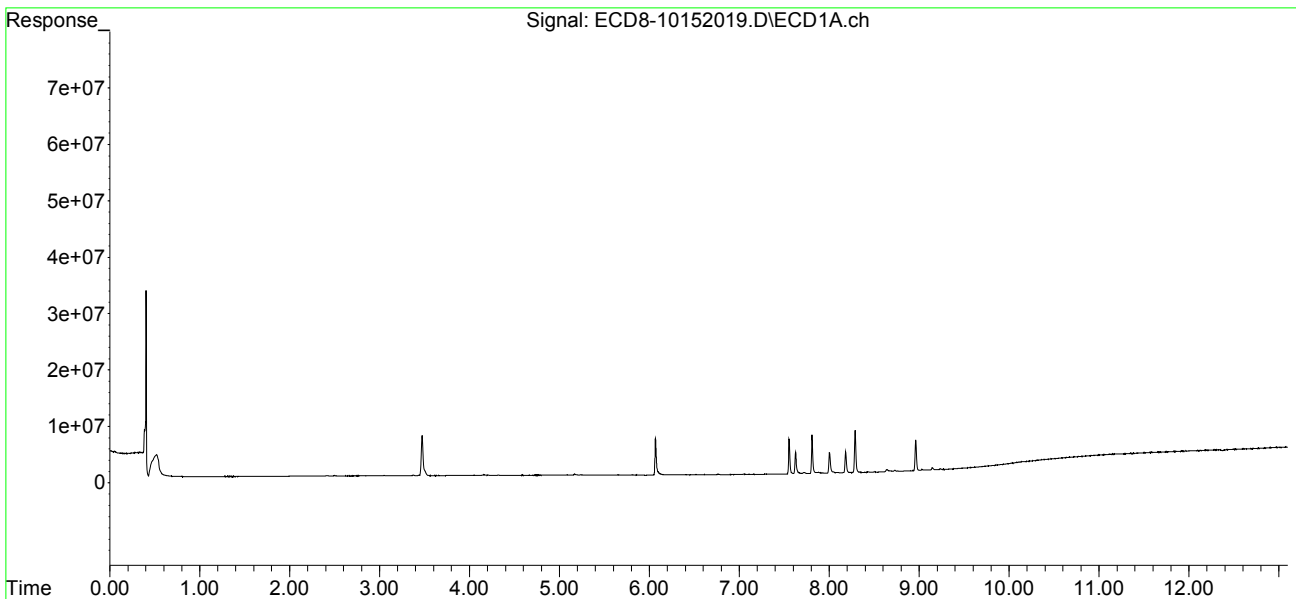
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.736	7468006	7629694	1.656	1.989
31)	Mirex	8.963	9.645	5444461	5403191	1.796	2.151
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	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\2020-10\0J15061\
Data File : ECD8-10152019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 22:06
Operator : MJB
Sample : 0J15061-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:50:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:23
 Operator : MJB
 Sample : 0J15061-CALD
 Misc : A20I182, 9-42 5 ppb
 ALS Vial : 17 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:50:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.474	3.702	16458450	18933435	4.519	4.884
24) Hexachlor...	6.070	6.453	15453104	17842730	4.127	5.172 #
25) Oxychlorane	7.554	7.903	15094980	15610146	4.234	5.172
26) 2,4'-DDE	7.624	8.098	9576140	10816208	3.566	4.682 #
27) trans-Non...	7.808	8.177	16788723	17453607	4.242	5.221
28) 2,4'-DDD	8.003	8.470	8751372	9938801	3.723	4.878 #
29) 2,4'-DDT	8.182	8.690	9587017	10115568	3.951	4.789

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152020.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:23
 Operator : MJB
 Sample : 0J15061-CALD
 Misc : A20I182, 9-42 5 ppb
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:50:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

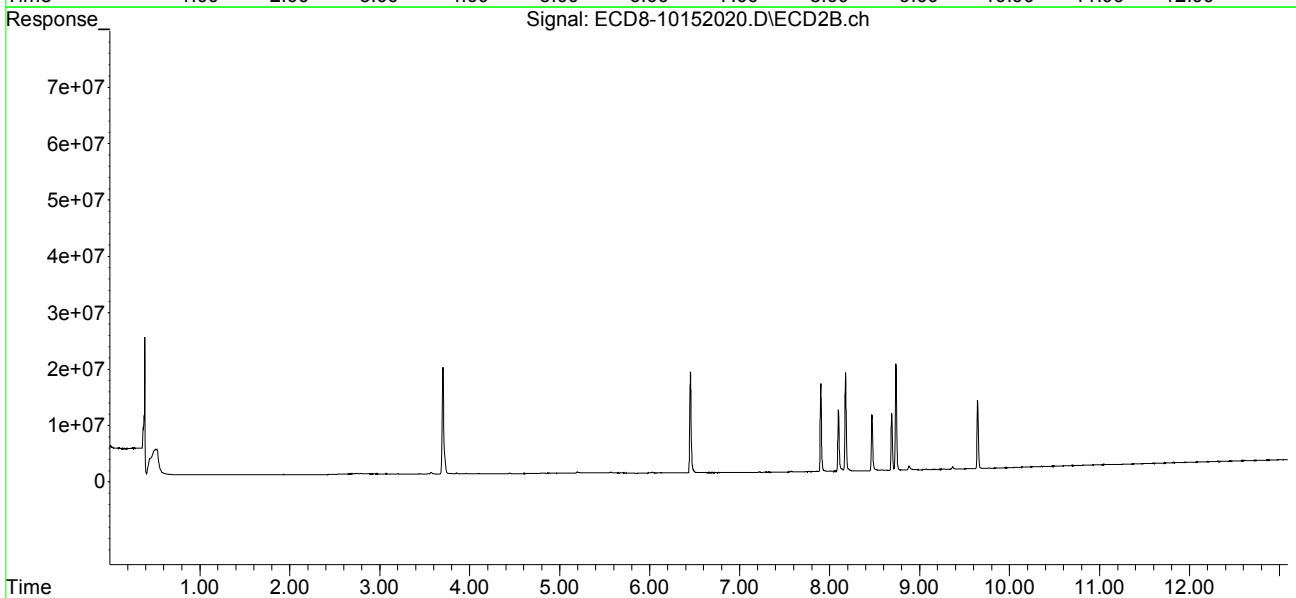
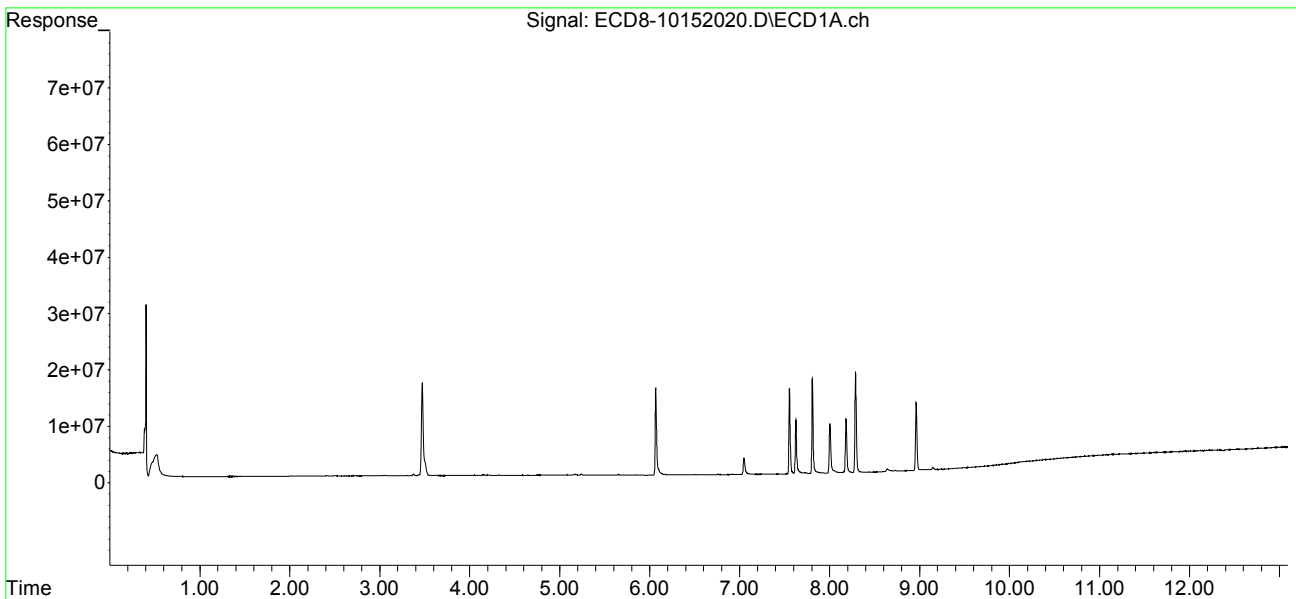
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.736	17869077	18893080	4.217	5.172
31)	Mirex	8.962	9.645	12051077	12160597	4.324	5.344
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	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\2020-10\0J15061\
Data File : ECD8-10152020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 22:23
Operator : MJB
Sample : 0J15061-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:50:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:39
 Operator : MJB
 Sample : 0J15061-CALE
 Misc : A20I183, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:51:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.475	3.703	31387777	36173041	8.827	9.493
24) Hexachlor...	6.069	6.453	31515539	36065499	8.647	10.618
25) Oxychlorane	7.554	7.903	30846461	33196377	8.845	11.189 #
26) 2,4'-DDE	7.624	8.098	20166332	22142201	7.700	9.732 #
27) trans-Non...	7.808	8.177	34482563	35712472	8.956	10.872
28) 2,4'-DDD	8.003	8.469	17648727	20436379	7.702	10.181 #
29) 2,4'-DDT	8.182	8.690	19702359	20908468	8.301	10.036

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152021.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:39
 Operator : MJB
 Sample : 0J15061-CALE
 Misc : A20I183, 9-42 10 ppb
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:51:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

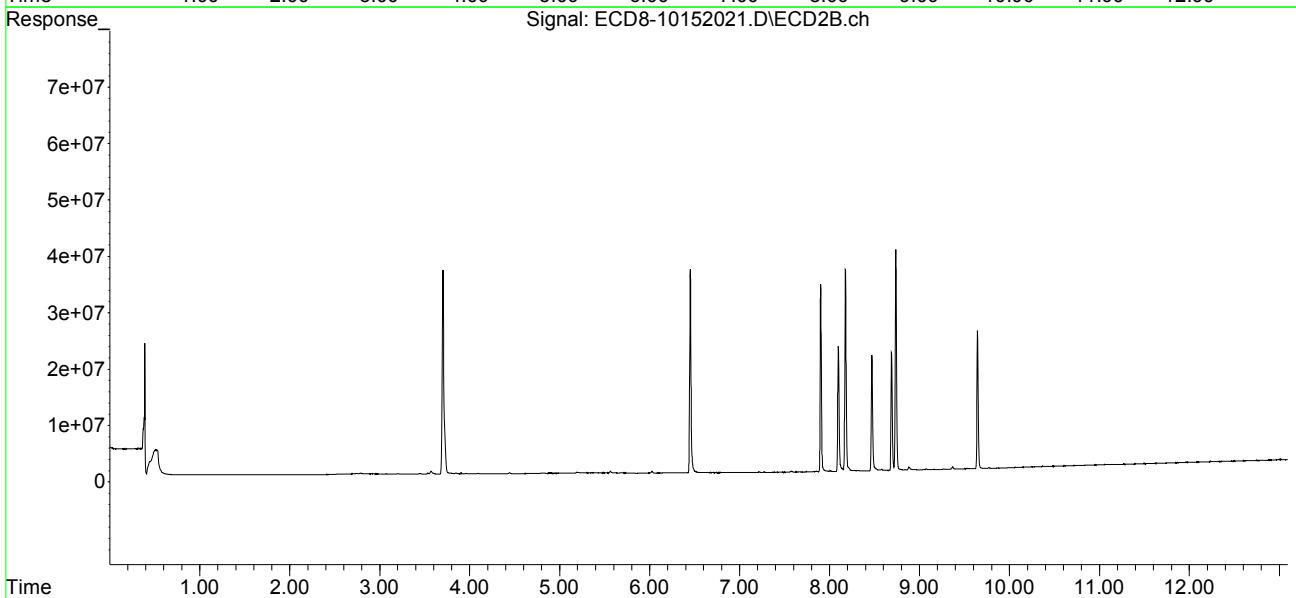
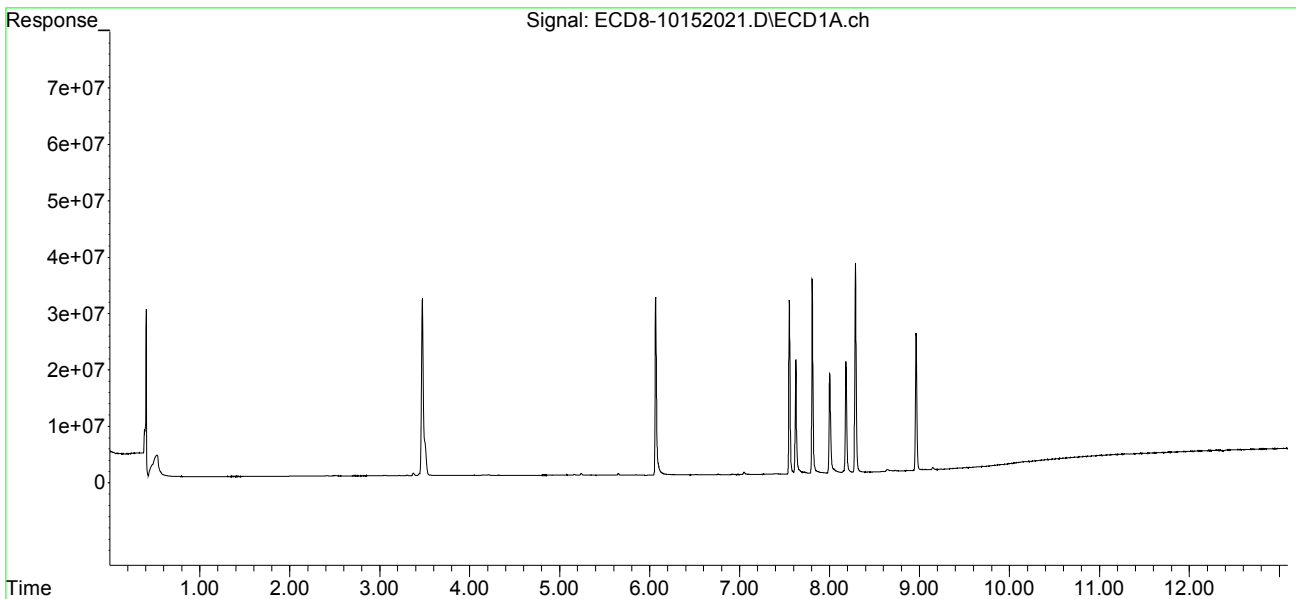
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.735	37147659	39146339	8.958	10.837
31)	Mirex	8.962	9.645	24373423	24471276	9.042	11.116
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	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\2020-10\0J15061\
Data File : ECD8-10152021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 22:39
Operator : MJB
Sample : 0J15061-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:51:25 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:56
 Operator : MJB
 Sample : 0J15061-CALF
 Misc : A20I184, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:51:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.475	3.703	78802280	94309654	22.503	24.728
24)	Hexachlor...	6.069	6.453	79779430	94109412	22.175	27.515
25)	Oxychlorane	7.553	7.902	77425998	84676703	22.482	28.363 #
26)	2,4'-DDE	7.622	8.097	52220273	59909816	20.155	26.103 #
27)	trans-Non...	7.807	8.177	88005937	95054160	23.205	28.722
28)	2,4'-DDD	8.001	8.468	46590623	53380696	20.605	26.363 #
29)	2,4'-DDT	8.181	8.690	52493263	58013258	22.310	27.517

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 22:56
 Operator : MJB
 Sample : 0J15061-CALF
 Misc : A20I184, 9-42 25 ppb
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:51:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

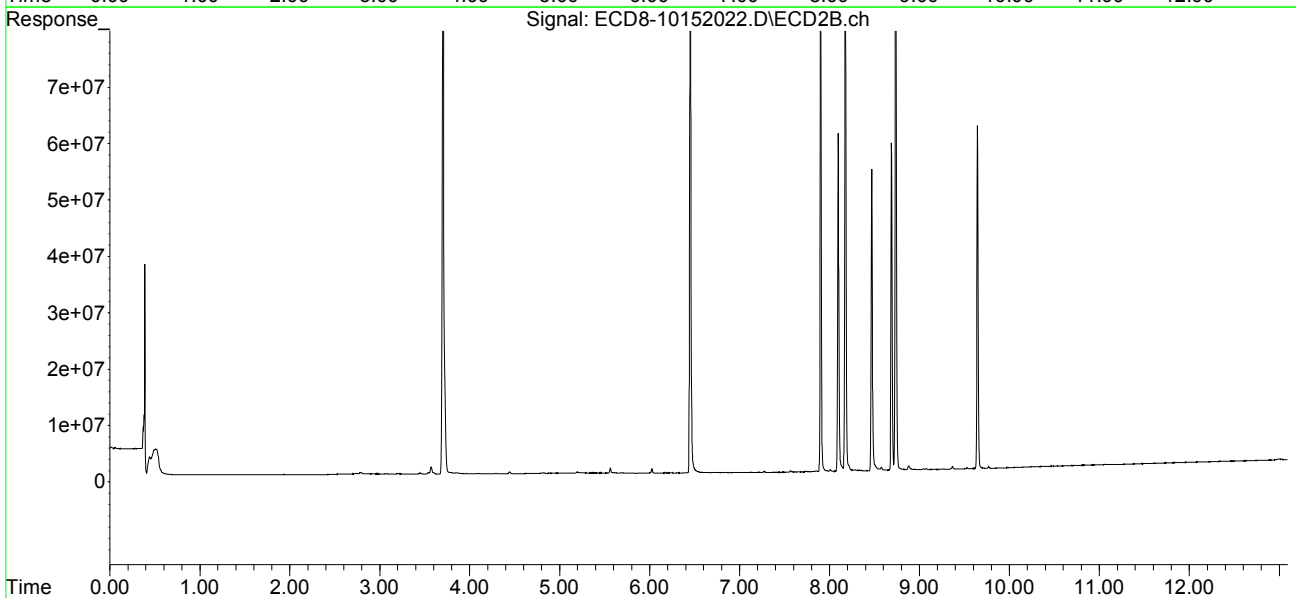
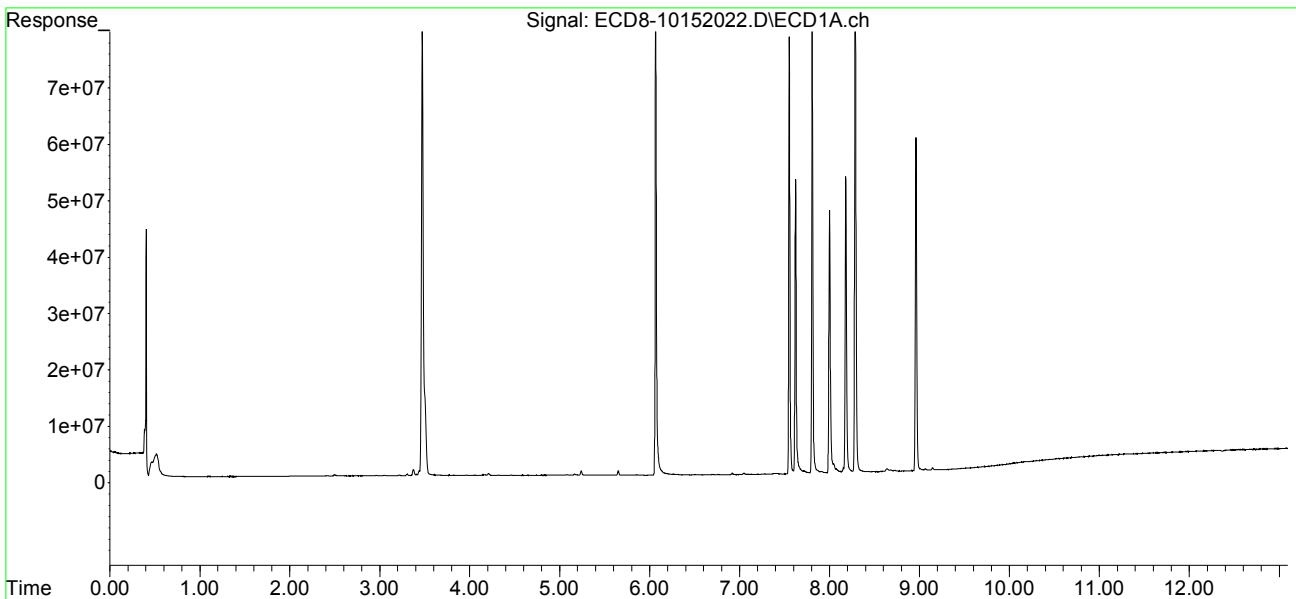
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.735	93575402	103.3E6	22.796	28.308
31)	Mirex	8.962	9.645	59074282	60834363	22.343	27.843
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
Data File : ECD8-10152022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 22:56
Operator : MJB
Sample : 0J15061-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:51:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:12
 Operator : MJB
 Sample : 0J15061-CALG
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:48:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.474	3.702	168.1E6	209.9E6	48.244	53.740
24) Hexachlor...	6.069	6.453	159.6E6	193.4E6	44.360	55.016
25) Oxychlorane	7.553	7.902	149.6E6	170.3E6	43.615	55.624 #
26) 2,4'-DDE	7.621	8.096	103.4E6	117.8E6	39.856	49.944 #
27) trans-Non...	7.807	8.176	169.1E6	188.6E6	44.748	55.449
28) 2,4'-DDD	8.000	8.467	89007702	107.8E6	39.412	51.730 #
29) 2,4'-DDT	8.180	8.689	108.2E6	120.3E6	45.787	55.162

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:12
 Operator : MJB
 Sample : 0J15061-CALG
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:48:18 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:40:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation

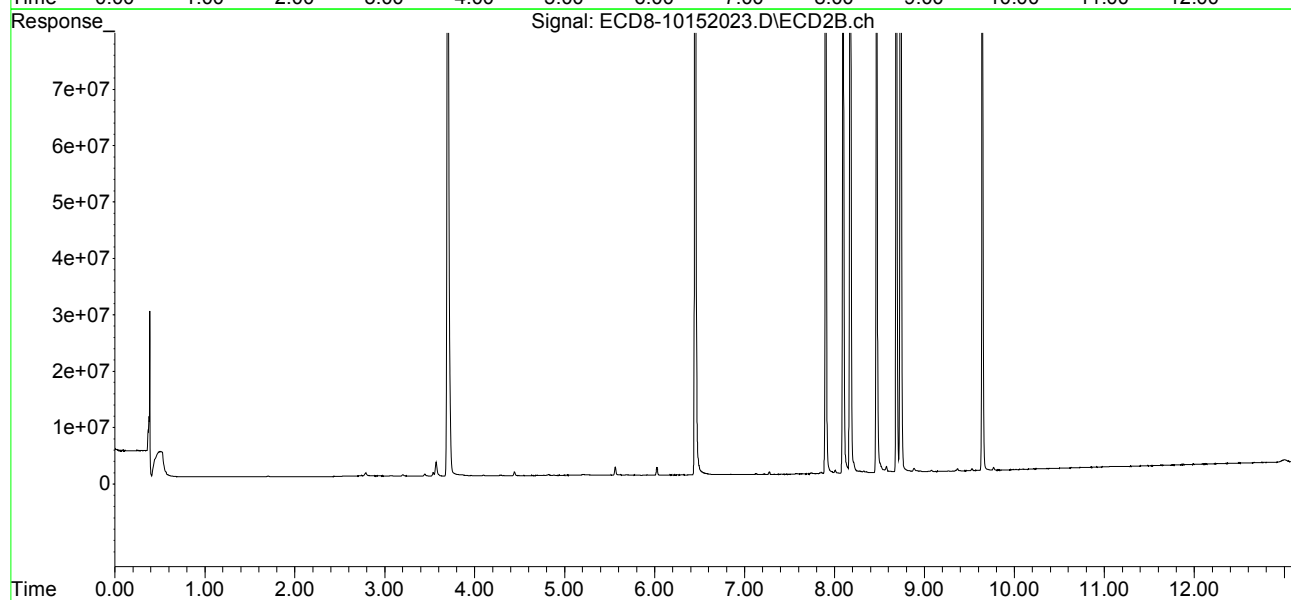
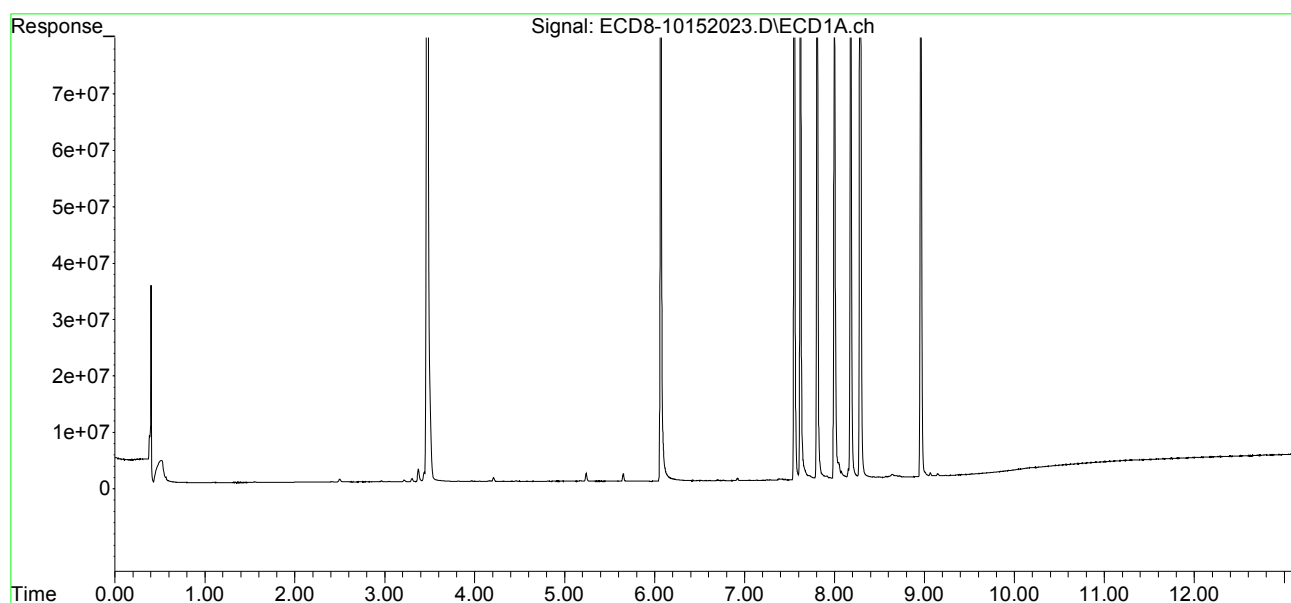
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.735	183.9E6	208.4E6	44.837	55.574
31)	Mirex	8.960	9.644	113.0E6	123.5E6	43.077	55.622 #
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	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\2020-10\0J15061\
Data File : ECD8-10152023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 23:12
Operator : MJB
Sample : 0J15061-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:48:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:29
 Operator : MJB
 Sample : 0J15061-CALH
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:52:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.475	3.703	320.7E6	403.4E6	92.160	99.074
24) Hexachlor...	6.069	6.453	322.5E6	403.2E6	89.027	108.337
25) Oxychlorane	7.553	7.902	304.8E6	351.7E6	89.097	108.949
26) 2,4'-DDE	7.620	8.096	210.1E6	256.1E6	80.323	102.015 #
27) trans-Non...	7.807	8.177	343.2E6	405.2E6	90.873	111.970
28) 2,4'-DDD	7.999	8.467	185.8E6	222.6E6	81.886	100.824
29) 2,4'-DDT	8.180	8.689	220.7E6	257.3E6	92.128	110.119

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:29
 Operator : MJB
 Sample : 0J15061-CALH
 Misc : A20I186, 9-42 100 ppb
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:52:30 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

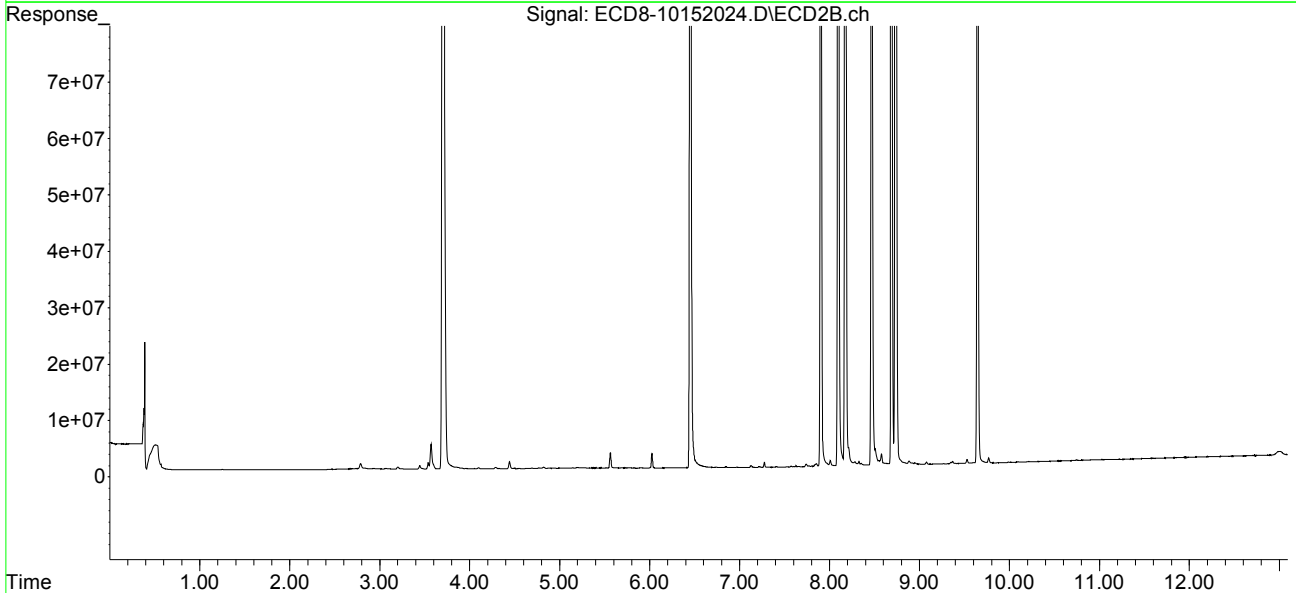
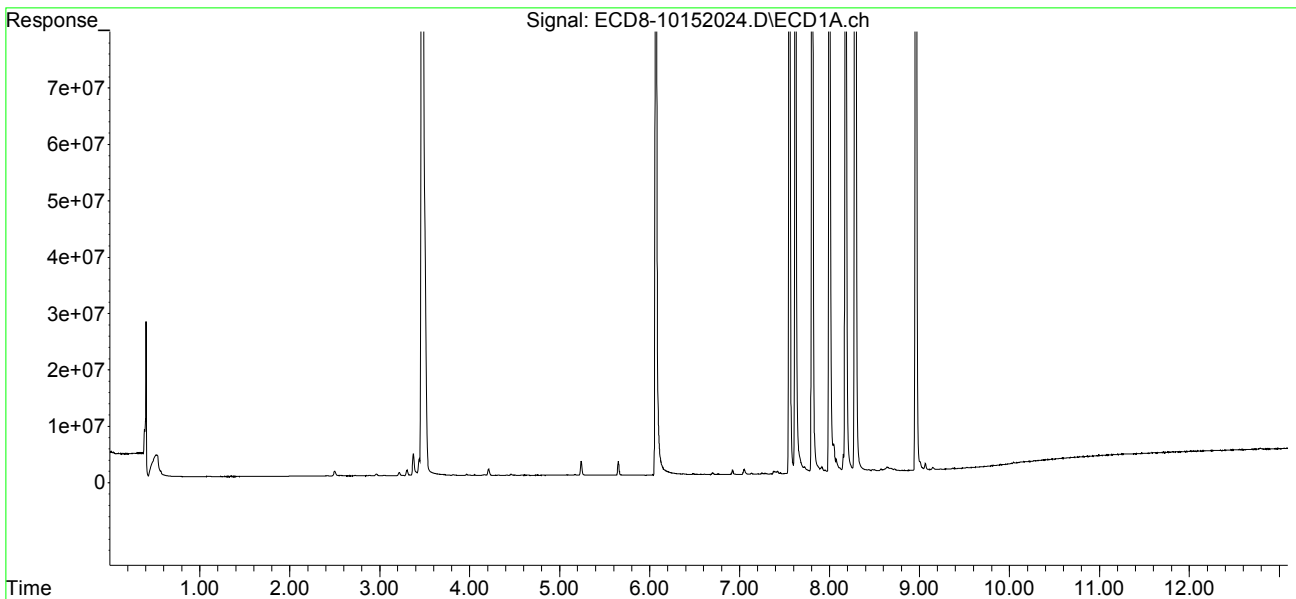
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.735	378.2E6	435.1E6	91.739	109.657
31)	Mirex	8.961	9.645	228.7E6	254.5E6	87.711	110.118 #
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
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\2020-10\0J15061\
Data File : ECD8-10152024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 23:29
Operator : MJB
Sample : 0J15061-CALH
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:52:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:46
 Operator : MJB
 Sample : 0J15061-CALI
 Misc : A20I179, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:53:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.477	3.704	721.1E6	947.4E6	206.946	210.803
24) Hexachlor...	6.070	6.454	676.2E6	870.6E6	183.117	210.949
25) Oxychlorane	7.552	7.901	646.9E6	749.5E6	189.487	210.879
26) 2,4'-DDE	7.619	8.095	453.7E6	567.8E6	169.570	202.088
27) trans-Non...	7.806	8.176	742.7E6	873.1E6	195.925	216.642
28) 2,4'-DDD	7.997	8.466	398.4E6	497.7E6	173.056	201.525
29) 2,4'-DDT	8.179	8.688	475.5E6	567.1E6	192.098	215.002

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152025.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2020 23:46
 Operator : MJB
 Sample : 0J15061-CALI
 Misc : A20I179, 9-42 200 ppb
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:53:03 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

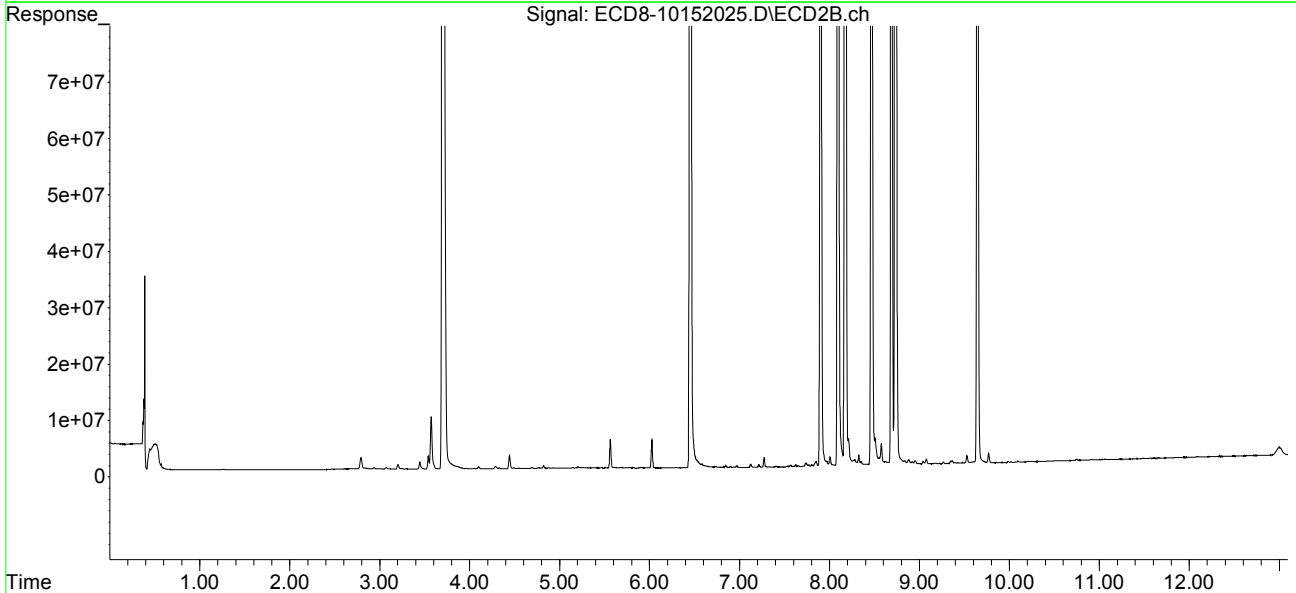
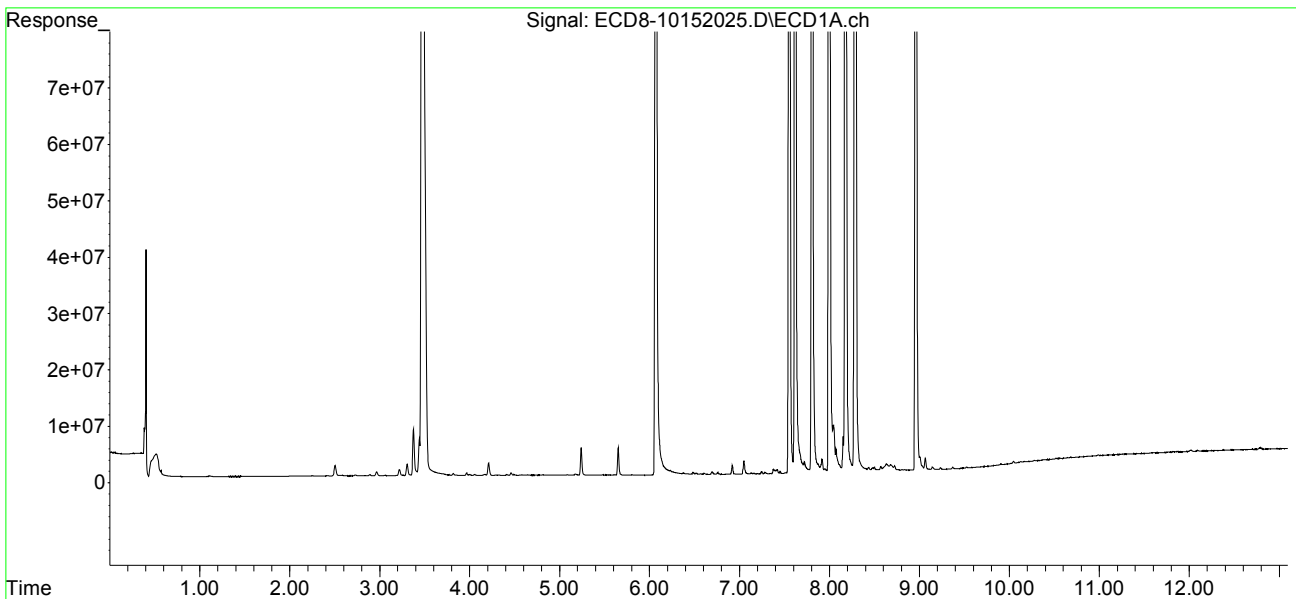
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.734	802.3E6	961.3E6	191.900	217.859
31)	Mirex	8.960	9.644	486.2E6	538.2E6	188.074	215.354
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
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\2020-10\0J15061\
Data File : ECD8-10152025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 23:46
Operator : MJB
Sample : 0J15061-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:53:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:35
 Operator : MJB
 Sample : 0J15061-CALJ
 Misc : A20J277, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:55:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:35
 Operator : MJB
 Sample : 0J15061-CALJ
 Misc : A20J277, CHLOR 10 ppb
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:55:53 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

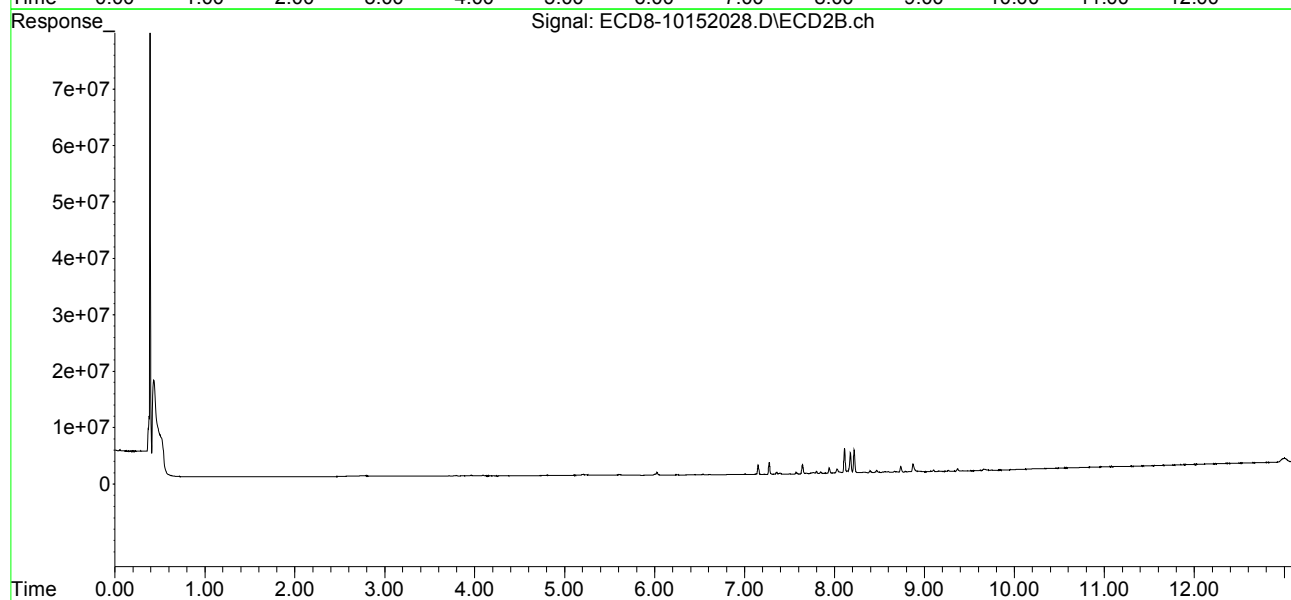
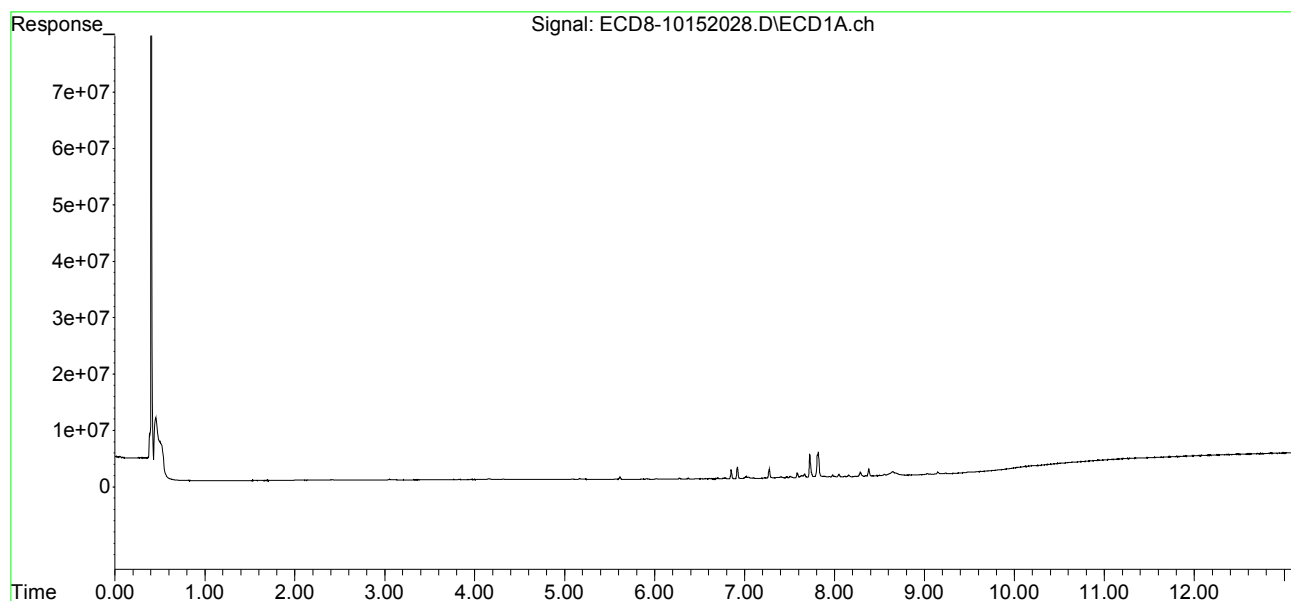
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.726	8.111	4101623	4425582	9.067	10.017
33)	Chlordane...	7.820	8.217	4385167	4119232	7.970	11.066 #
34)	Chlordane...	8.380	8.873	1337616	1424459	9.223	3.581 #
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\2020-10\0J15061\
Data File : ECD8-10152028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 00:35
Operator : MJB
Sample : 0J15061-CALJ
Misc : A20J277, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 16:55:53 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:55:36 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:52
 Operator : MJB
 Sample : 0J15061-CALK
 Misc : A20F057, CHLOR 50 ppb
 ALS Vial : 25 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:56:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152029.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 00:52
 Operator : MJB
 Sample : 0J15061-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: Oct 20 16:56:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

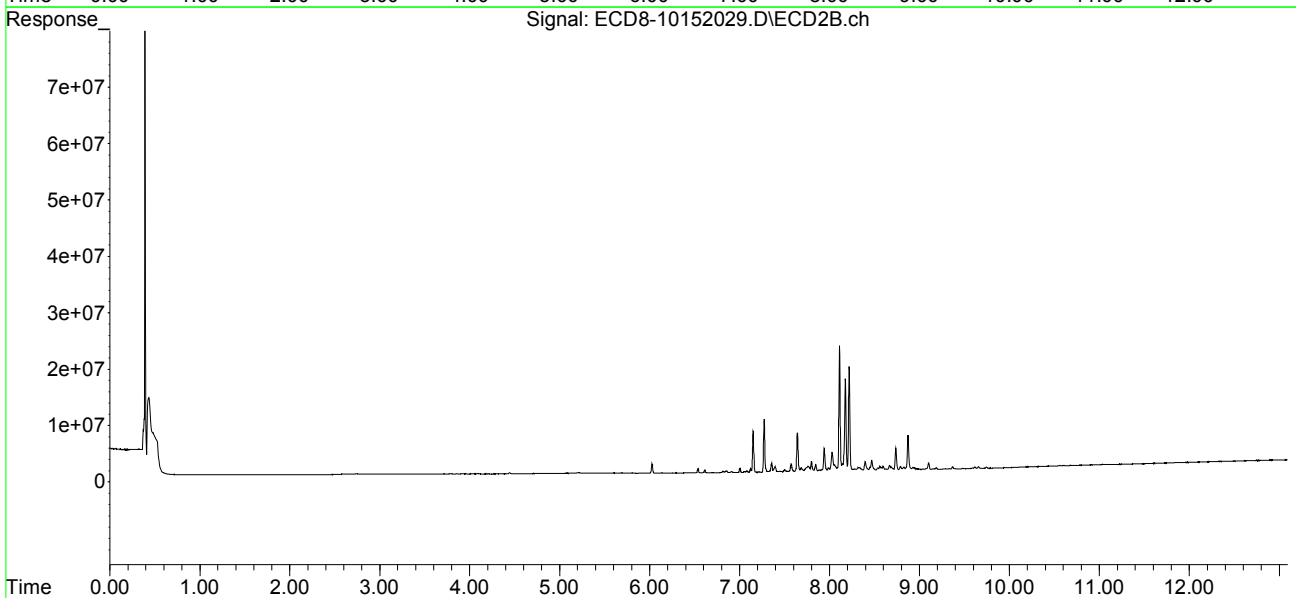
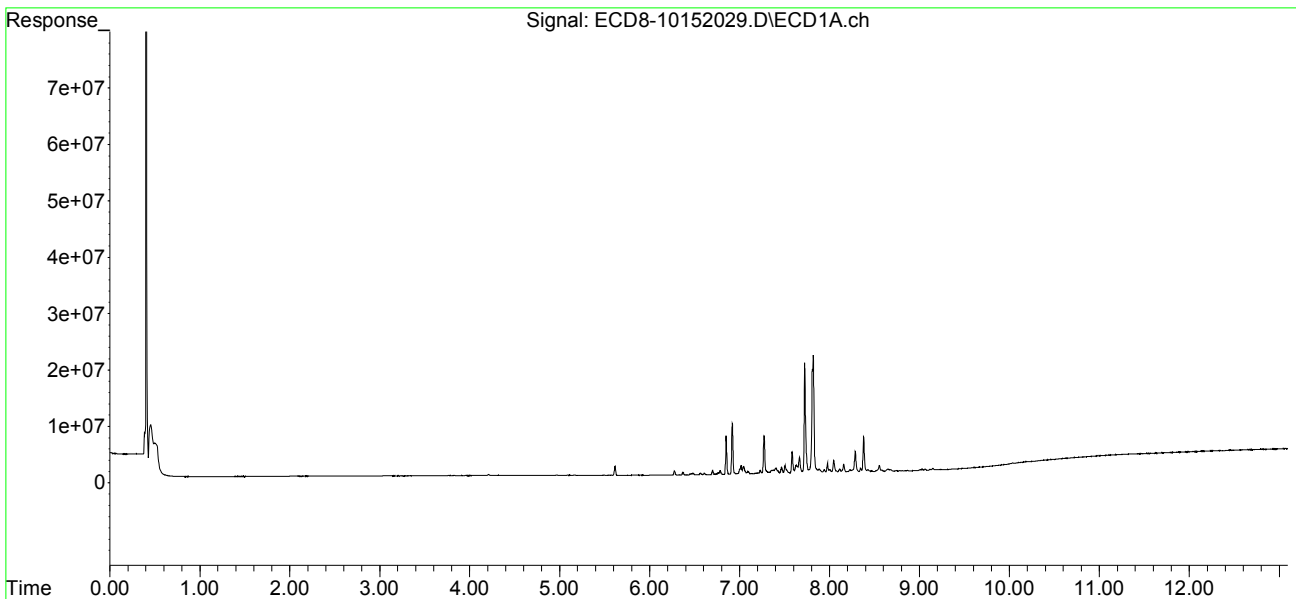
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.725	8.111	19538919	22190571	43.190	50.227
33)	Chlordane...	7.820	8.217	20854744	18468542	37.904	49.616 #
34)	Chlordane...	8.379	8.873	6256198	6150473	43.135	47.959
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\2020-10\0J15061\
Data File : ECD8-10152029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 00:52
Operator : MJB
Sample : 0J15061-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: Oct 20 16:56:25 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:55:36 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:08
 Operator : MJB
 Sample : 0J15061-CALL
 Misc : A20F058, CHLOR 100 ppb
 ALS Vial : 26 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:56:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152030.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:08
 Operator : MJB
 Sample : 0J15061-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: Oct 20 16:56:54 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

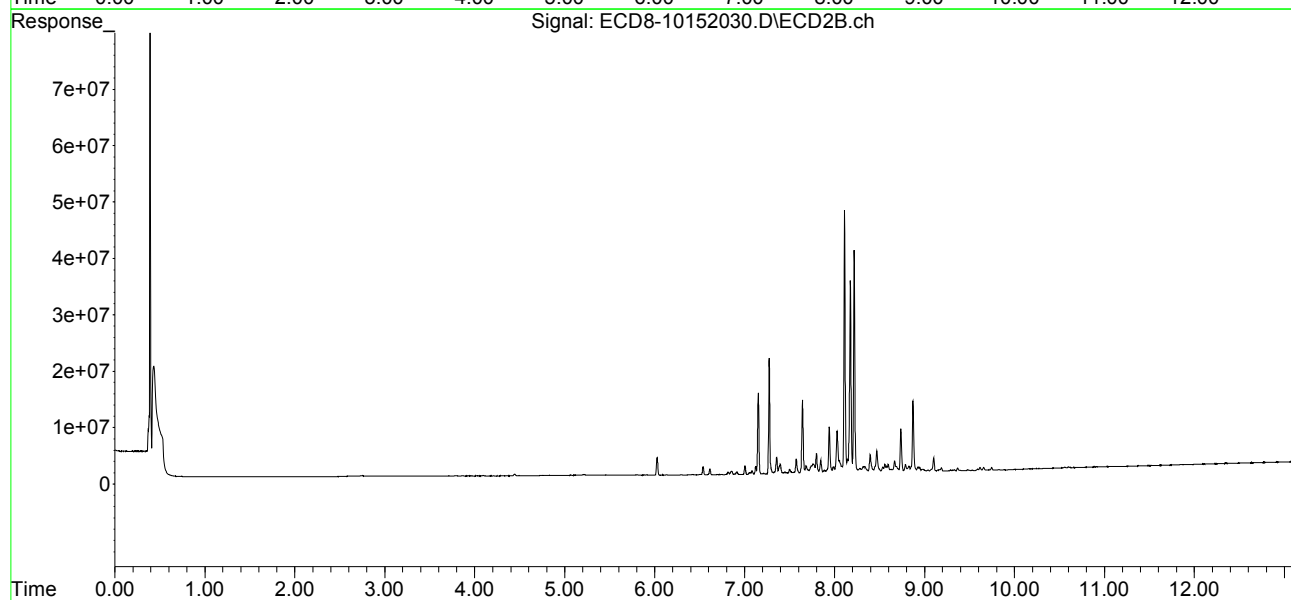
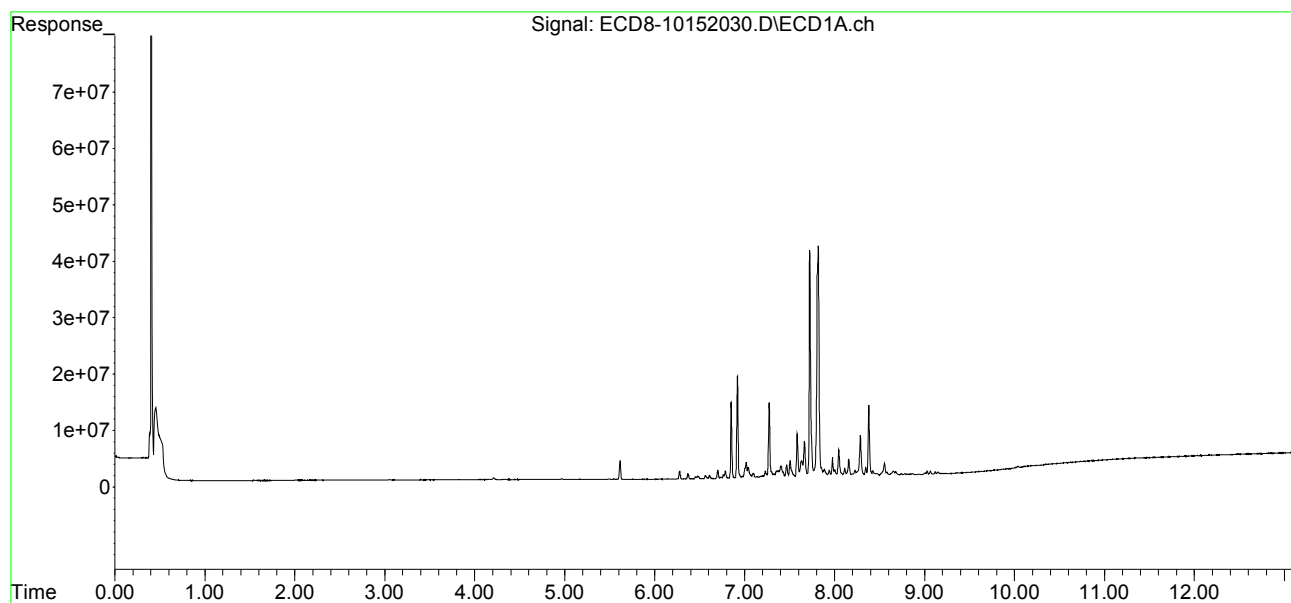
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.725	8.110	40102111	46516148	88.645	105.286
33)	Chlordane...	7.819	8.216	40925321	39446568	74.382	105.974 #
34)	Chlordane...	8.379	8.872	12465253	12535896	85.945	107.226
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\2020-10\0J15061\
Data File : ECD8-10152030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 1:08
Operator : MJB
Sample : 0J15061-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: Oct 20 16:56:54 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:55:36 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:24
 Operator : MJB
 Sample : 0J15061-CALM
 Misc : A20F059, CHLOR 200 ppb
 ALS Vial : 27 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:57:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152031.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:24
 Operator : MJB
 Sample : 0J15061-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: Oct 20 16:57:23 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

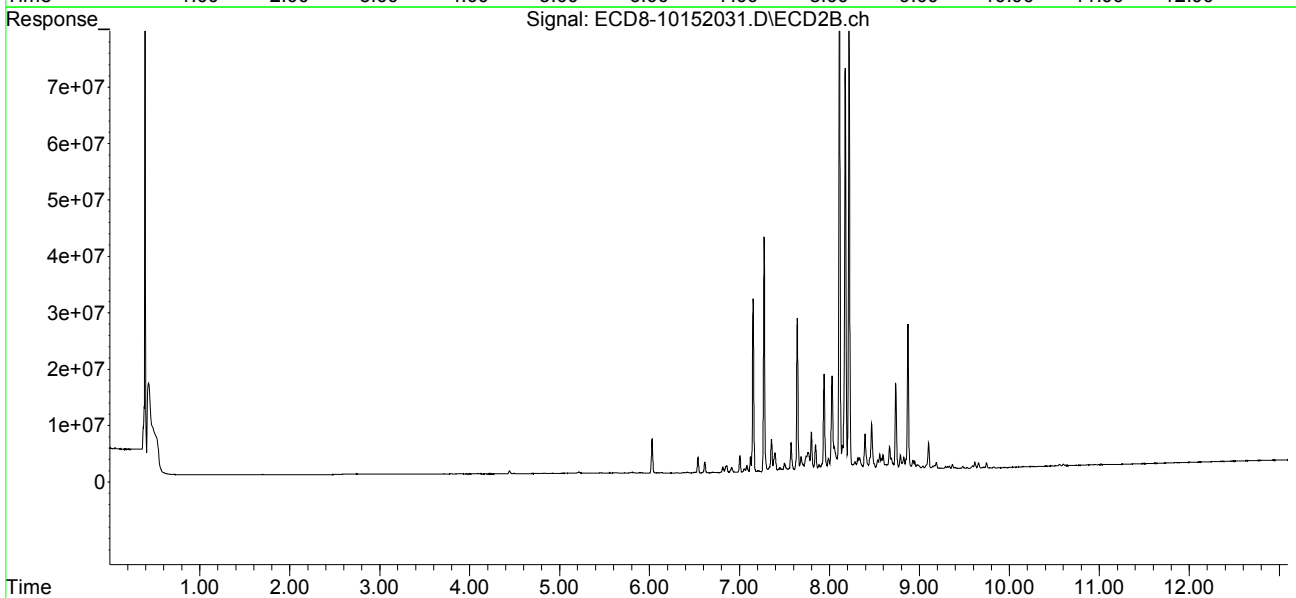
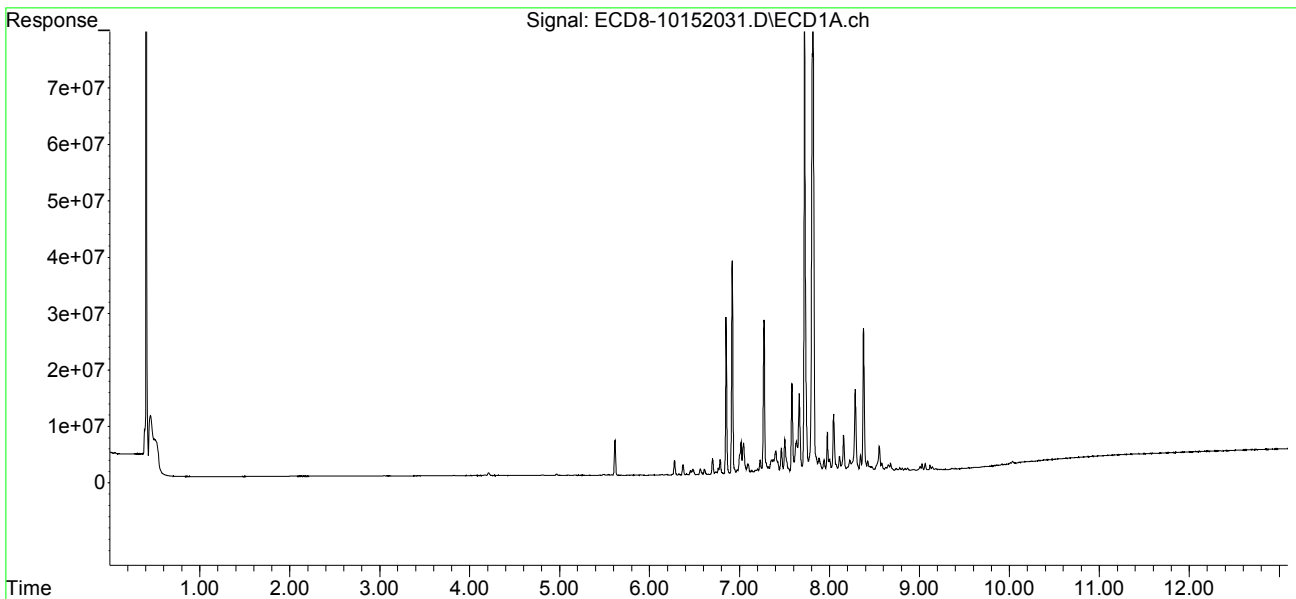
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.723	8.110	83839566	95919284	185.325	217.106
33)	Chlordane...	7.819	8.217	83684527	81115667	152.098	217.919 #
34)	Chlordane...	8.378	8.872	25372320	25782833	174.936	227.759 #
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\2020-10\0J15061\
Data File : ECD8-10152031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 1:24
Operator : MJB
Sample : 0J15061-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: Oct 20 16:57:23 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:55:36 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:41
 Operator : MJB
 Sample : 0J15061-CALN
 Misc : A20F060, CHLOR 500 ppb
 ALS Vial : 28 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:54:59 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152032.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:41
 Operator : MJB
 Sample : 0J15061-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: Oct 20 16:54:59 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:48:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation

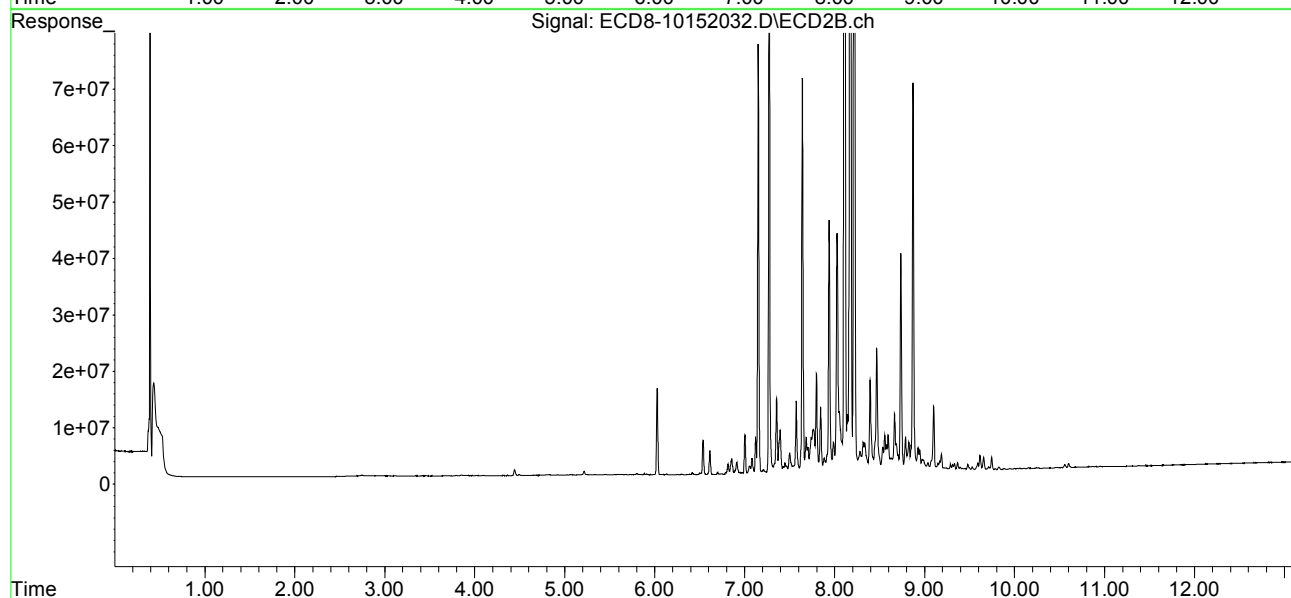
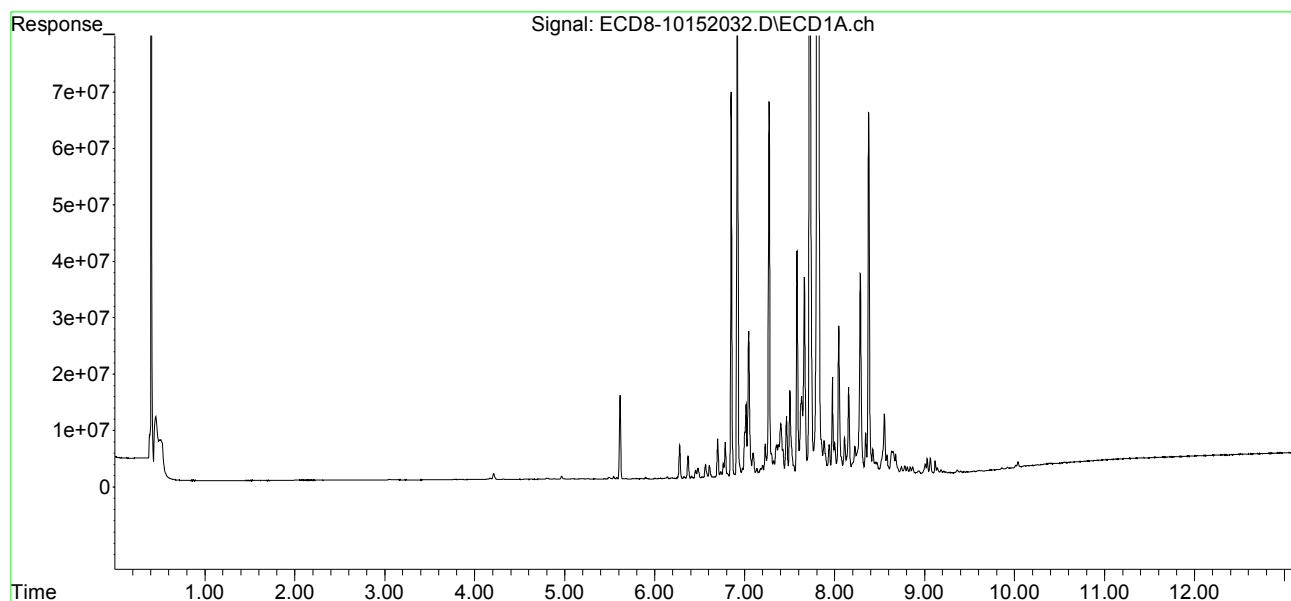
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.723	8.109	209.0E6	255.1E6	462.086	577.498
33)	Chlordane...	7.818	8.216	206.6E6	207.8E6	375.482	558.181 #
34)	Chlordane...	8.378	8.871	64135607	68754277	442.200	598.785 #
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\2020-10\0J15061\
Data File : ECD8-10152032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 1:41
Operator : MJB
Sample : 0J15061-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: Oct 20 16:54:59 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:48:57 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:58
 Operator : MJB
 Sample : 0J15061-CALO
 Misc : A20F061, CHLOR 1000 ppb
 ALS Vial : 29 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:57:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152033.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 1:58
 Operator : MJB
 Sample : 0J15061-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: Oct 20 16:57:57 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

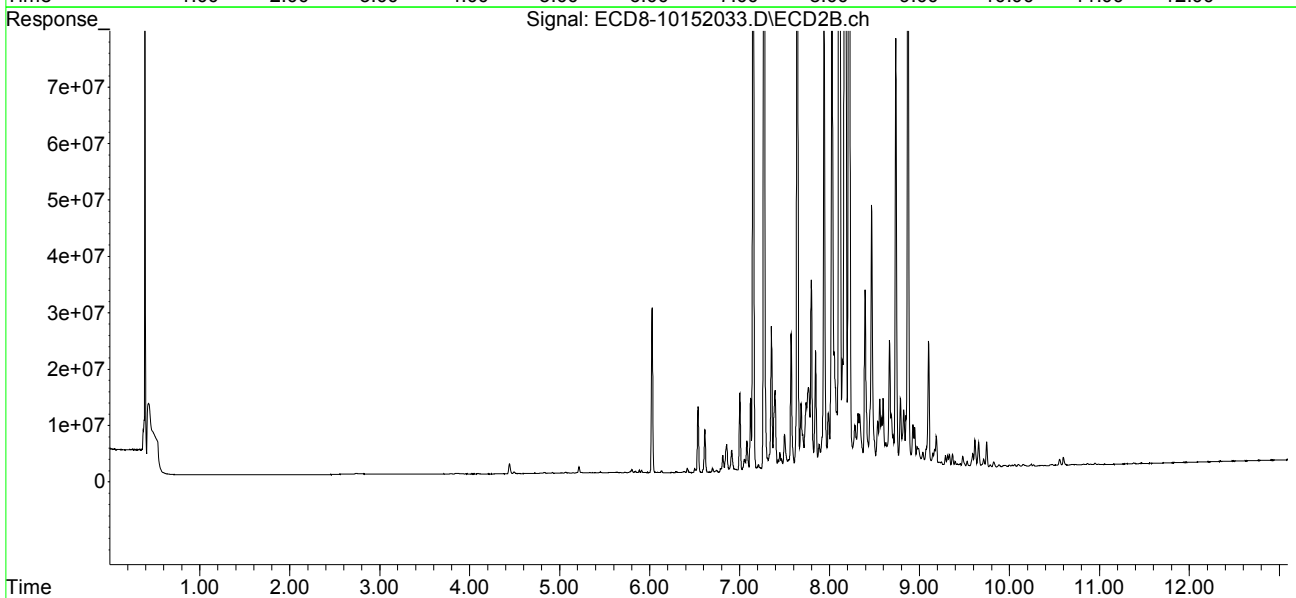
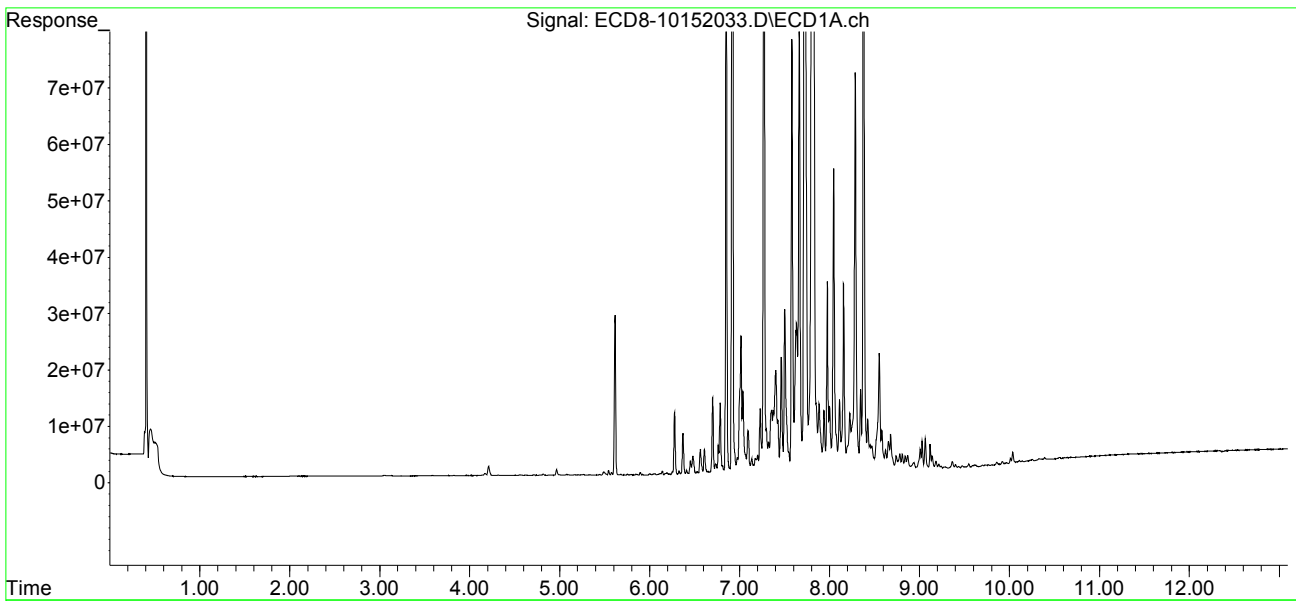
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.722	8.110	397.3E6	490.1E6	878.276	1109.255 #
33)	Chlordane...	7.818	8.216	397.5E6	427.7E6	722.398	1149.139 #
34)	Chlordane...	8.378	8.872	126.7E6	138.5E6	873.655	1148.140 #
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\2020-10\0J15061\
Data File : ECD8-10152033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 1:58
Operator : MJB
Sample : 0J15061-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: Oct 20 16:57:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:55:36 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 2:14
 Operator : MJB
 Sample : 0J15061-CALP
 Misc : A20F056, CHLOR 2000 ppb
 ALS Vial : 30 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:58:24 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 2:14
 Operator : MJB
 Sample : 0J15061-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: Oct 20 16:58:24 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

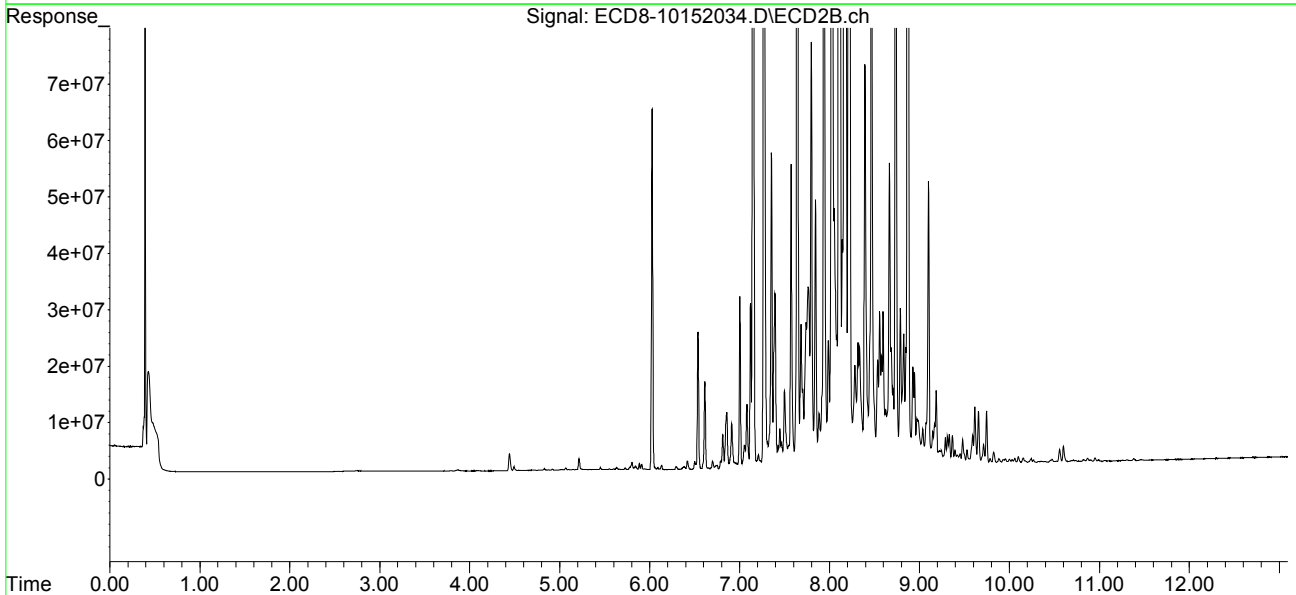
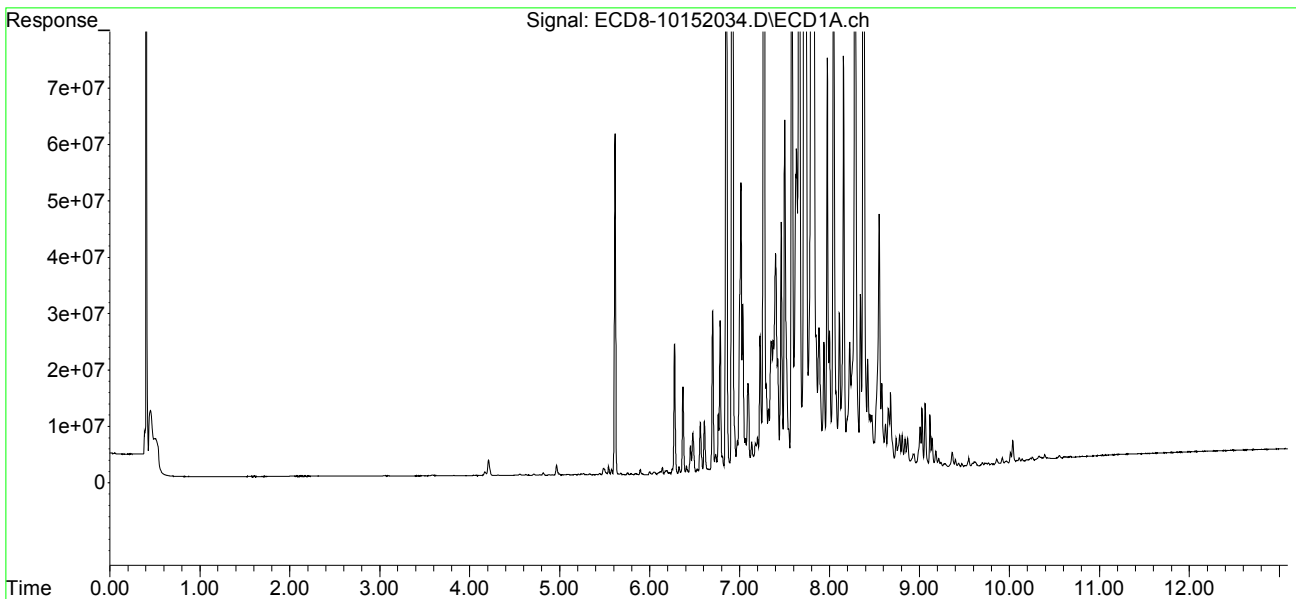
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.722	8.109	894.2E6	1157.0E6	1976.595	2618.741 #
33)	Chlordane...	7.818	8.216	880.4E6	946.8E6	1600.091	2543.561 #
34)	Chlordane...	8.378	8.871	274.6E6	302.1E6	1893.459	2262.065
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\2020-10\0J15061\
Data File : ECD8-10152034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 2:14
Operator : MJB
Sample : 0J15061-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: Oct 20 16:58:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:55:36 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:04
 Operator : MJB
 Sample : 0J15061-CALQ
 Misc : A20J278, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:00:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:04
 Operator : MJB
 Sample : 0J15061-CALQ
 Misc : A20J278, TOX 10 ppb
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:00:50 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

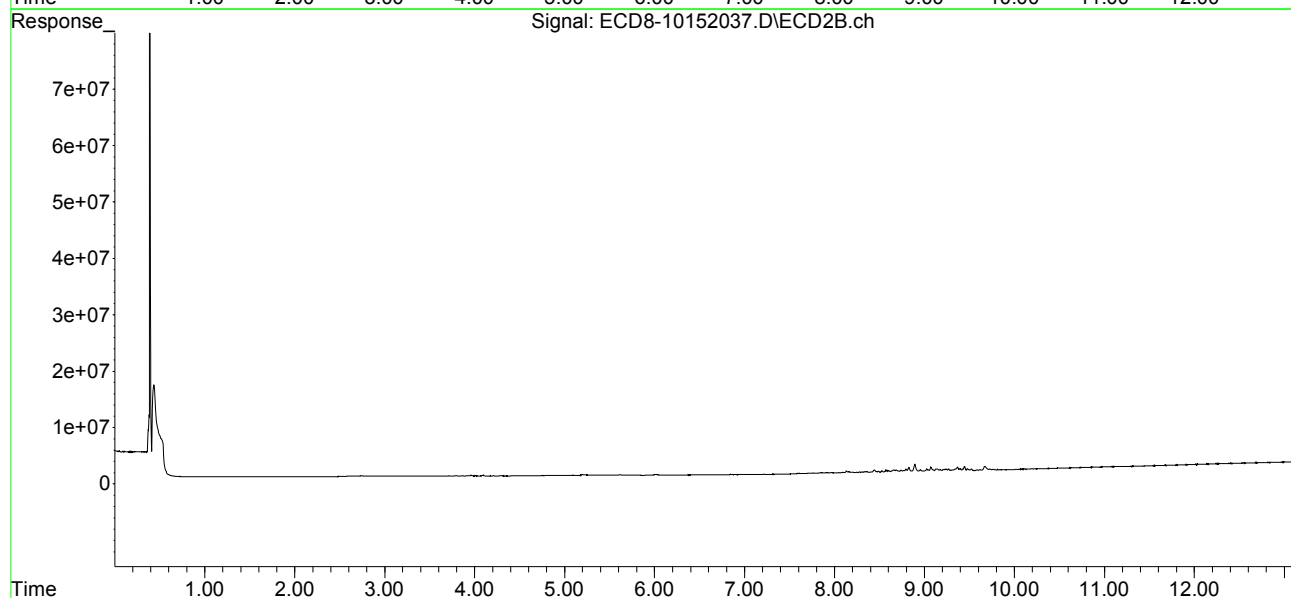
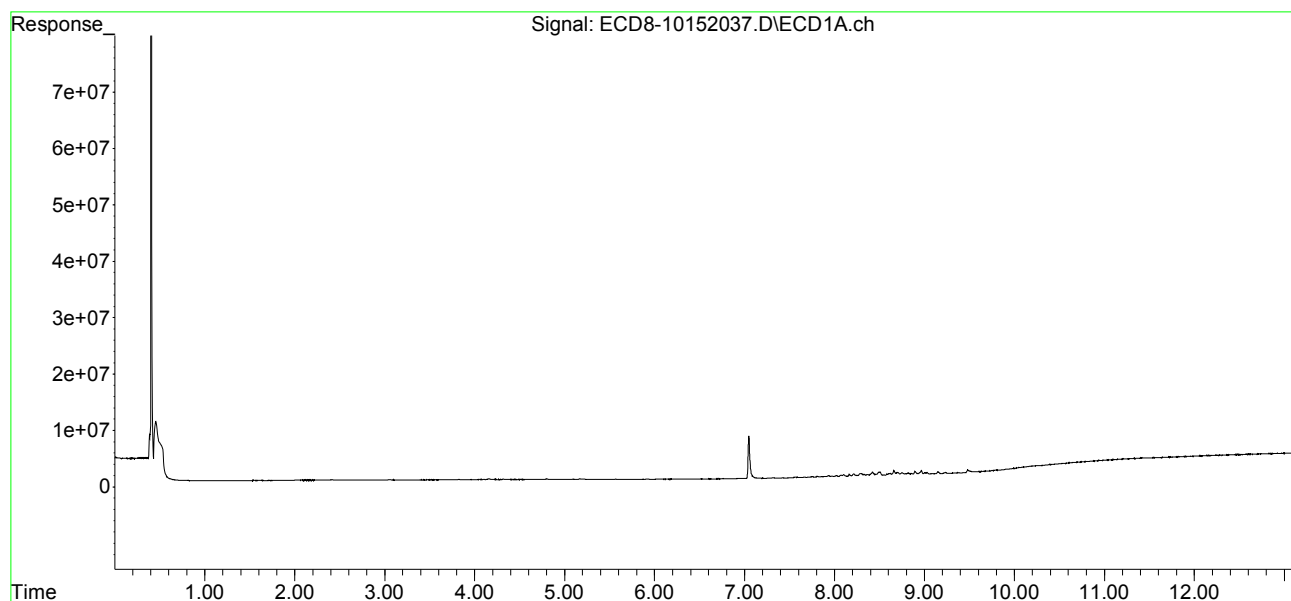
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.808	8.444	144669	399011	8.410	13.196 #
37)	Toxaphene...	8.102	8.793	330702	464016	7.069	11.808 #
38)	Toxaphene...	8.422	8.825	688382	754224	9.136	11.927 #
39)	Toxaphene...	8.659	8.893	806604	1349902	7.130	7.694
40)	Toxaphene...	8.894	9.071	543118	702293	9.724	12.370 #
41)	Toxaphene...	8.965	9.443	681518	779942	8.865	12.046 #
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\2020-10\0J15061\
Data File : ECD8-10152037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 3:04
Operator : MJB
Sample : 0J15061-CALQ
Misc : A20J278, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 20 17:00:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:00:33 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:20
 Operator : MJB
 Sample : 0J15061-CALR
 Misc : A20F064, TOX 50 ppb
 ALS Vial : 33 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:01:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:20
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:01:25 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

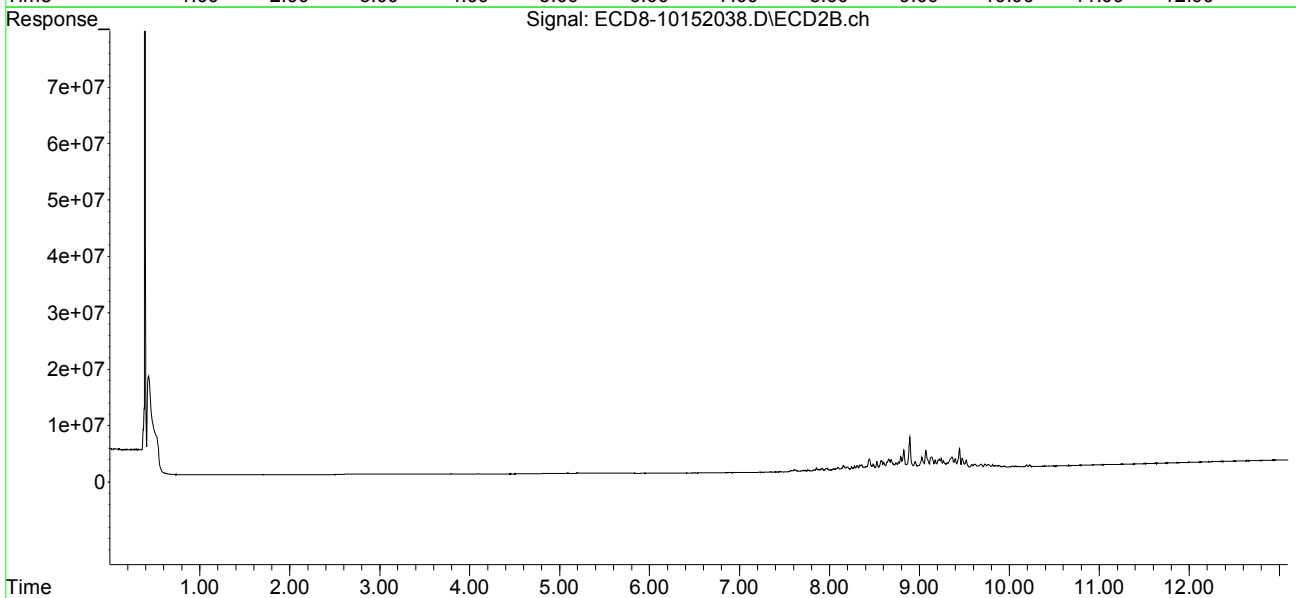
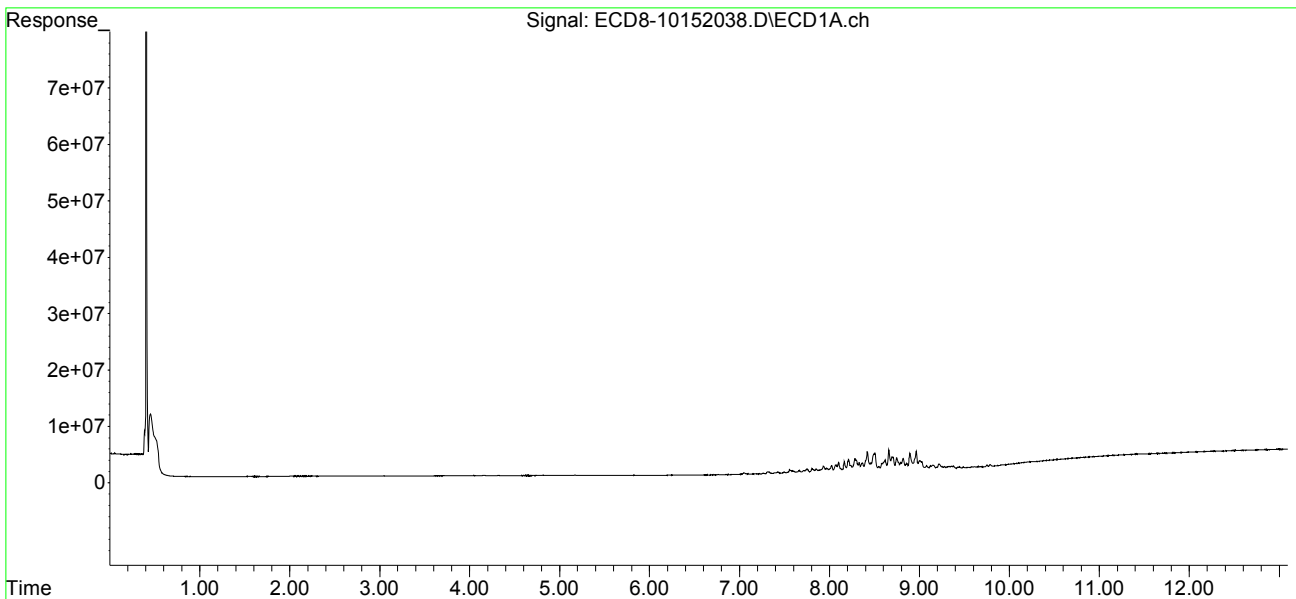
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.805	8.443	726337	1944781	42.224	64.318 #
37)	Toxaphene...	8.101	8.793	1648417	2303326	47.656	58.613
38)	Toxaphene...	8.421	8.825	3404622	3392585	45.185	53.649
39)	Toxaphene...	8.658	8.892	3598900	5669610	48.989	54.877
40)	Toxaphene...	8.893	9.070	2870073	3263105	51.388	57.474
41)	Toxaphene...	8.964	9.443	3244525	3524155	42.204	54.429 #
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\2020-10\0J15061\
Data File : ECD8-10152038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 3:20
Operator : MJB
Sample : 0J15061-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: Oct 20 17:01:25 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:00:33 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:37
 Operator : MJB
 Sample : 0J15061-CALS
 Misc : A20F065, TOX 100 ppb
 ALS Vial : 34 Sample Multiplier: 1

Not reported. Wrong standard viald.

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:01:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:37
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:01:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

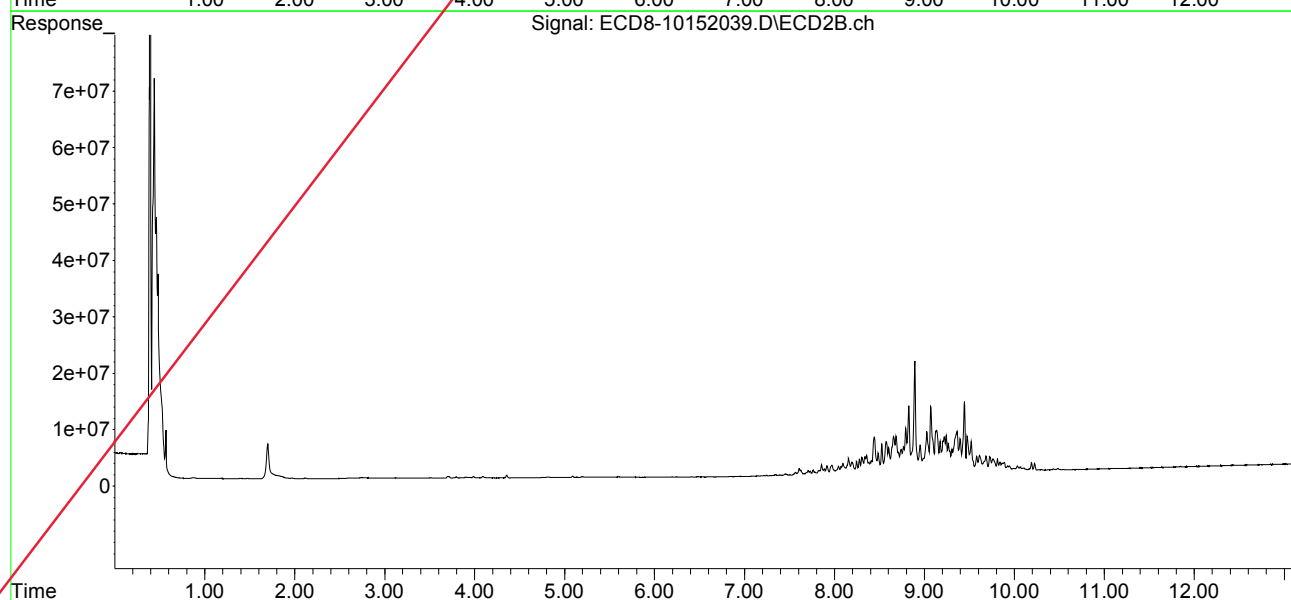
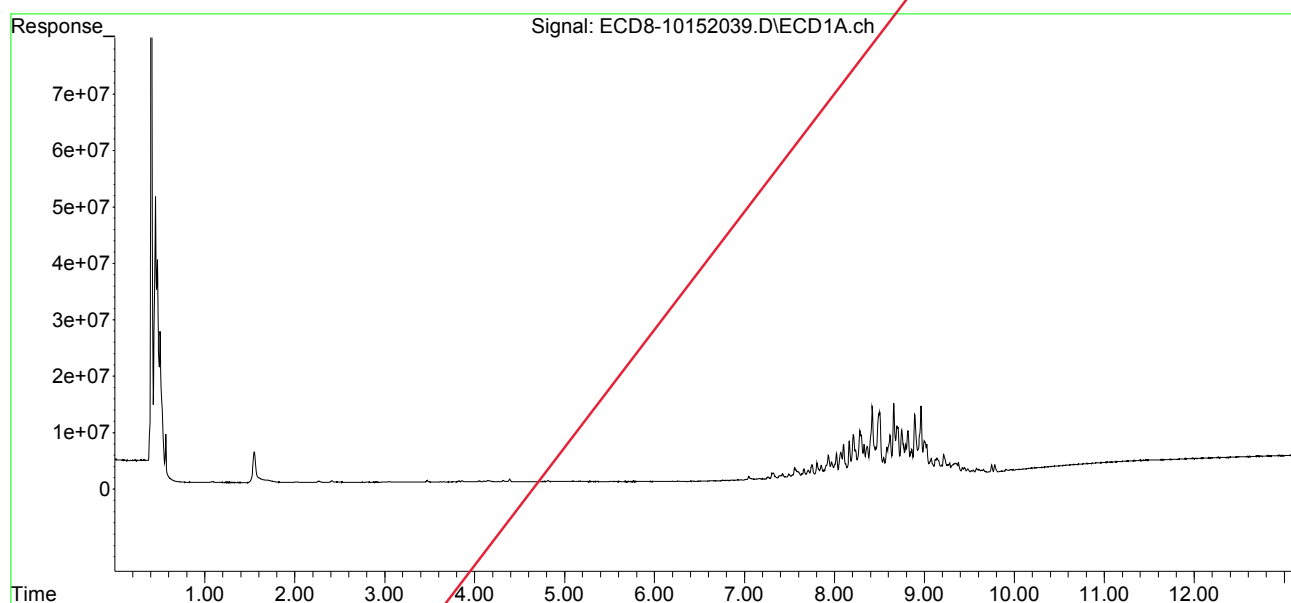
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.804	8.443	2660037	6552232	154.636	216.695 #
37)	Toxaphene...	8.100	8.792	5863008	8007800	177.649	203.777
38)	Toxaphene...	8.419	8.824	12309556	11971612	163.368	189.314
39)	Toxaphene...	8.657	8.892	12748382	19887584	185.126	206.738
40)	Toxaphene...	8.892	9.070	10653821	11745901	190.754	206.883
41)	Toxaphene...	8.962	9.442	12094856	12512982	157.328	193.258
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\2020-10\0J15061\
Data File : ECD8-10152039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 3:37
Operator : MJB
Sample : 0J15061-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: Oct 20 17:01:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:00:33 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:53
 Operator : MJB
 Sample : 0J15061-CALT
 Misc : A20F066, TOX 200 ppb
 ALS Vial : 35 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:02:28 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 3:53
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:02:28 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

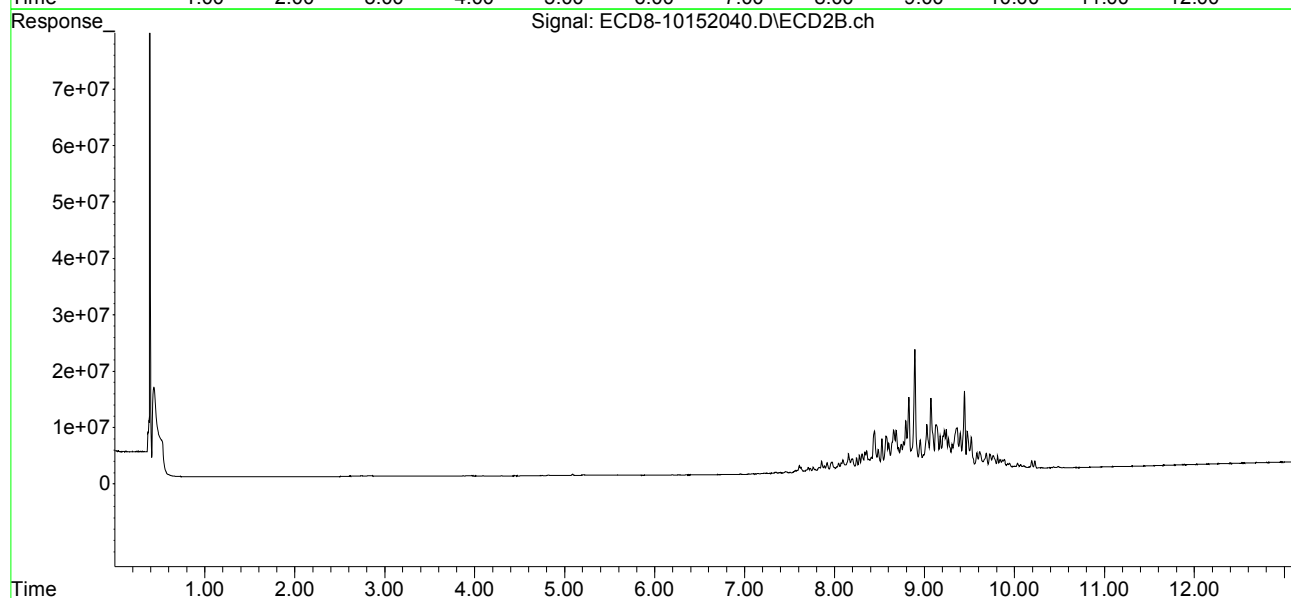
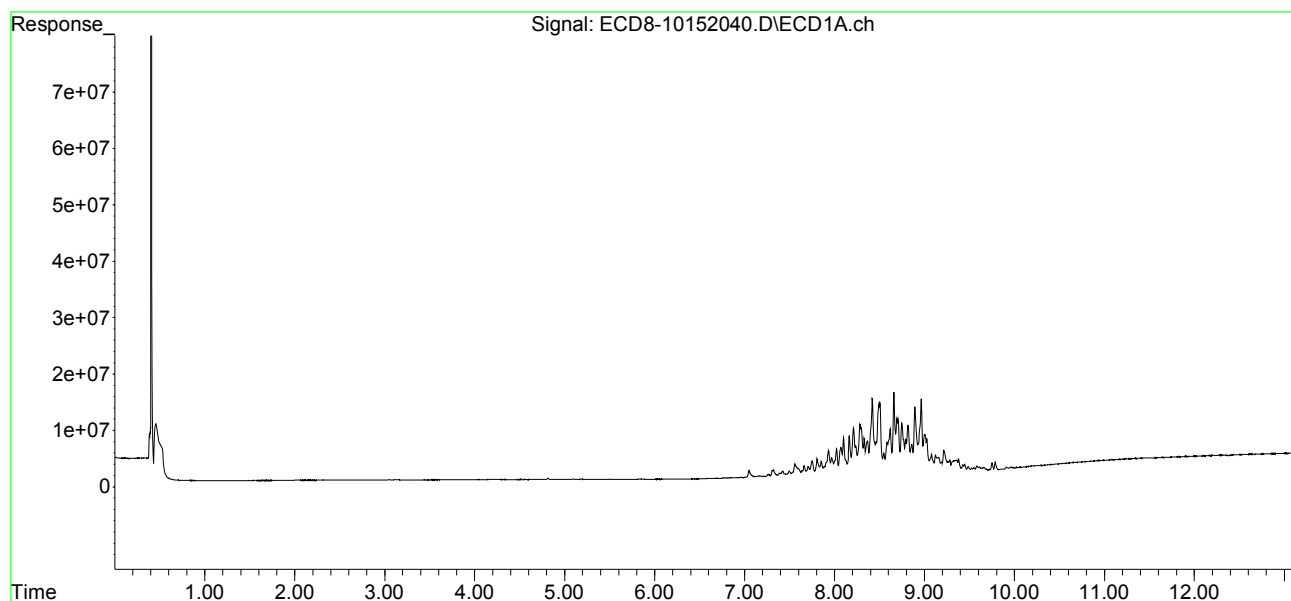
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.804	8.444	2928701	7231910	170.254	239.173 #
37)	Toxaphene...	8.099	8.792	6531155	8939693	198.282	227.491
38)	Toxaphene...	8.419	8.825	13381927	13097504	177.600	207.119
39)	Toxaphene...	8.658	8.892	14340541	21519149	208.659	223.843
40)	Toxaphene...	8.892	9.070	11584089	12845839	207.410	226.257
41)	Toxaphene...	8.963	9.442	13009268	13990550	169.223	216.078 #
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\2020-10\0J15061\
Data File : ECD8-10152040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 3:53
Operator : MJB
Sample : 0J15061-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: Oct 20 17:02:28 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:00:33 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:10
 Operator : MJB
 Sample : 0J15061-CALU
 Misc : A20D430, TOX 500 ppb
 ALS Vial : 36 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 16:59:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:10
 Operator : MJB
 Sample : 0J15061-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: Oct 20 16:59:56 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 16:55:36 2020
 Response via : Initial Calibration
 Integrator: ChemStation

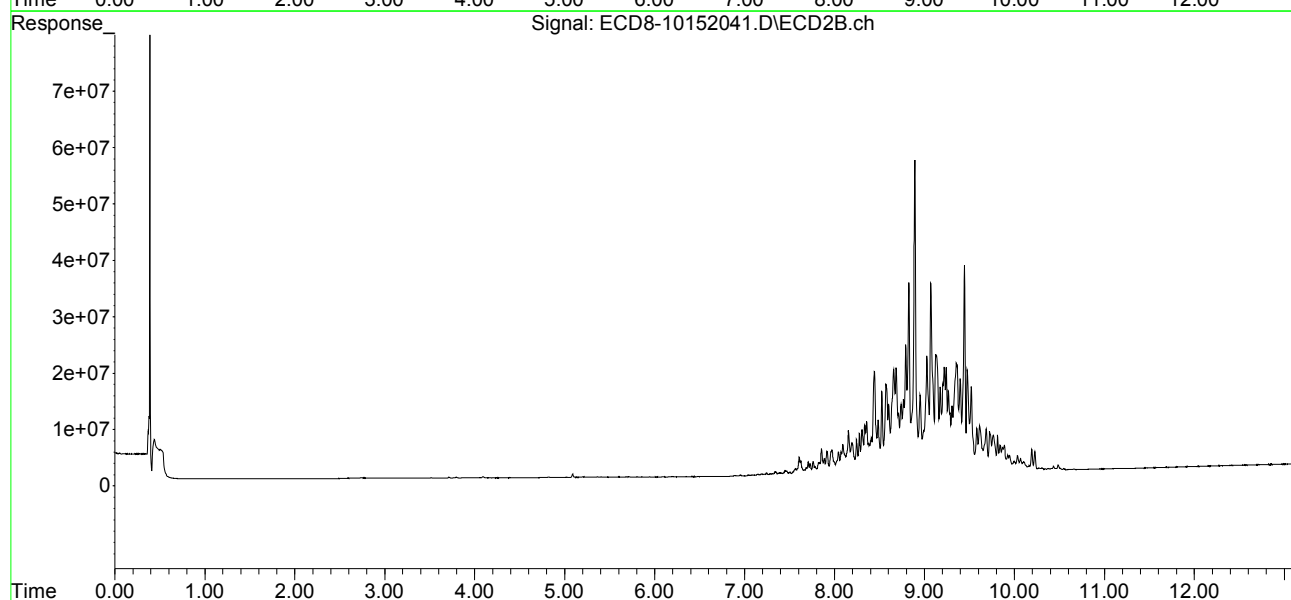
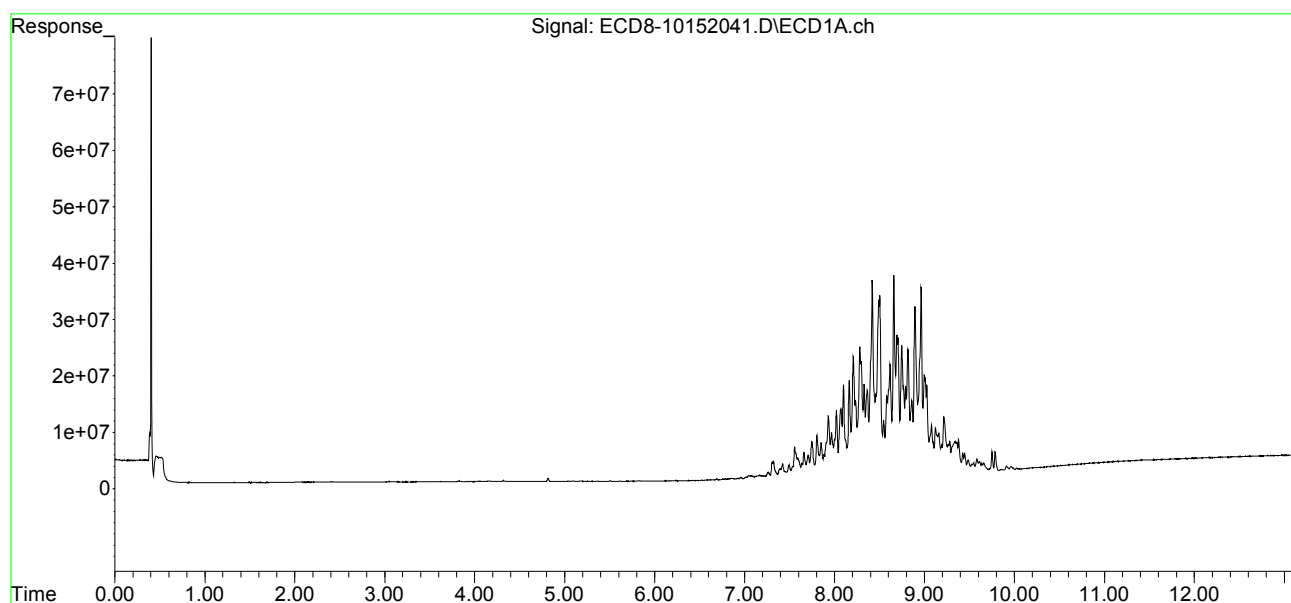
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.803	8.444	7355899	18107794	427.620	598.860 #
37)	Toxaphene...	8.099	8.791	16121893	22747138	495.207	578.853
38)	Toxaphene...	8.419	8.825	34493083	33775269	457.779	534.109
39)	Toxaphene...	8.657	8.892	35303409	55412823	514.316	565.771
40)	Toxaphene...	8.893	9.070	29598444	33539622	529.952	590.741
41)	Toxaphene...	8.963	9.442	33036149	36618141	429.729	565.552 #
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\2020-10\0J15061\
Data File : ECD8-10152041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 4:10
Operator : MJB
Sample : 0J15061-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: Oct 20 16:59:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 16:55:36 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:26
 Operator : MJB
 Sample : 0J15061-CALV
 Misc : A20D431, TOX 1000 ppb
 ALS Vial : 37 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:03:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:26
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:03:04 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

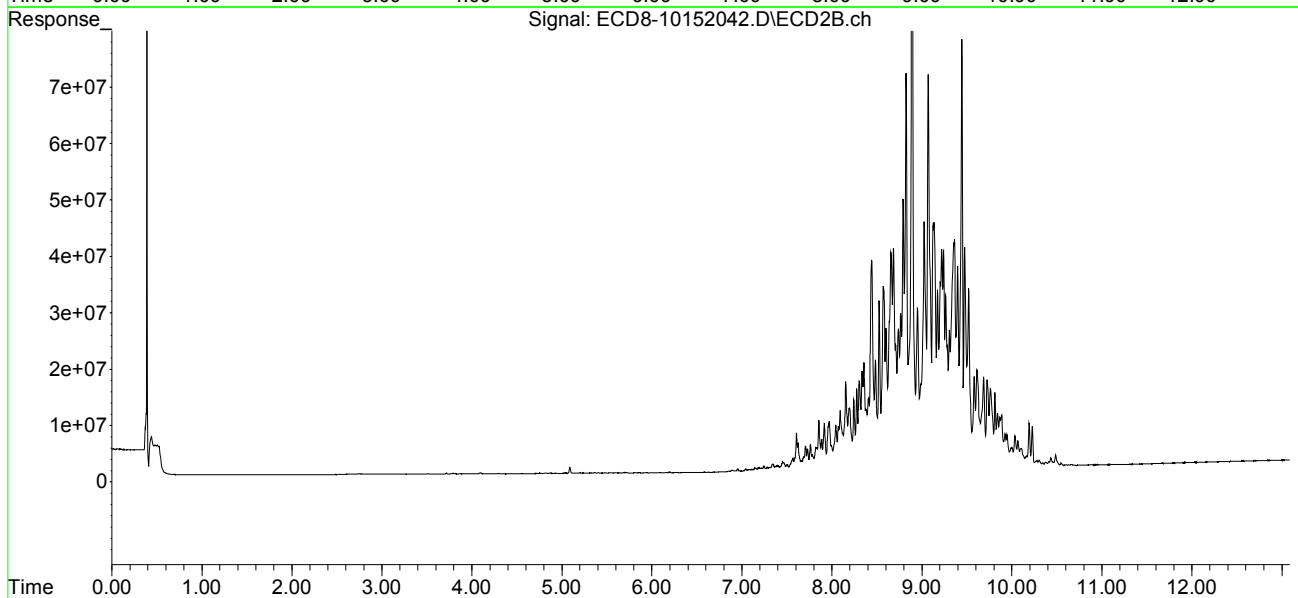
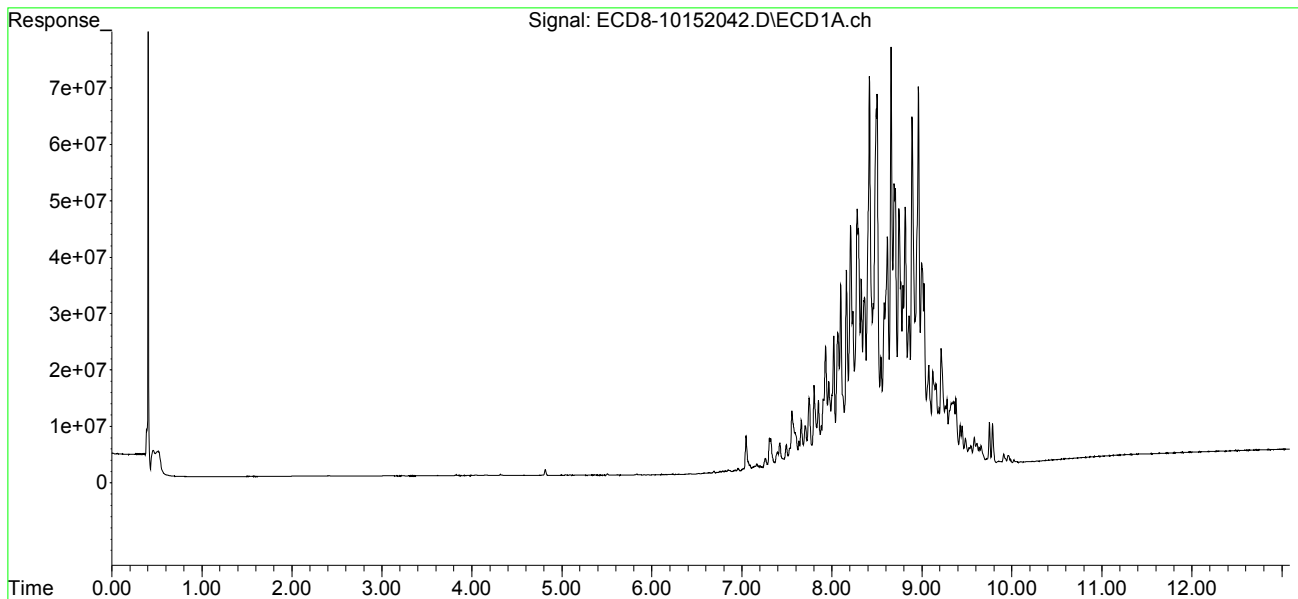
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.802	8.442	15006216	37044200	872.355	1225.124 #
37)	Toxaphene...	8.098	8.791	32732158	47836415	1012.838	1217.308
38)	Toxaphene...	8.418	8.824	69458796	70093512	921.830	1108.432
39)	Toxaphene...	8.656	8.891	74462214	120.1E6	1065.891	1159.768
40)	Toxaphene...	8.891	9.069	61876109	69799894	1107.874	1229.401
41)	Toxaphene...	8.962	9.442	67239784	75965801	874.645	1173.259 #
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\2020-10\0J15061\
Data File : ECD8-10152042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 4:26
Operator : MJB
Sample : 0J15061-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: Oct 20 17:03:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:00:33 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:43
 Operator : MJB
 Sample : 0J15061-CALW
 Misc : A20F063, TOX 2000 ppb
 ALS Vial : 38 Sample Multiplier: 1

MJB 10/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 20 17:03:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J15061\
 Data File : ECD8-10152043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Oct 2020 4:43
 Operator : MJB
 Sample : 0J15061-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: Oct 20 17:03:42 2020
 Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
 Quant Title : Instrument: DualECD8
 QLast Update : Tue Oct 20 17:00:33 2020
 Response via : Initial Calibration
 Integrator: ChemStation

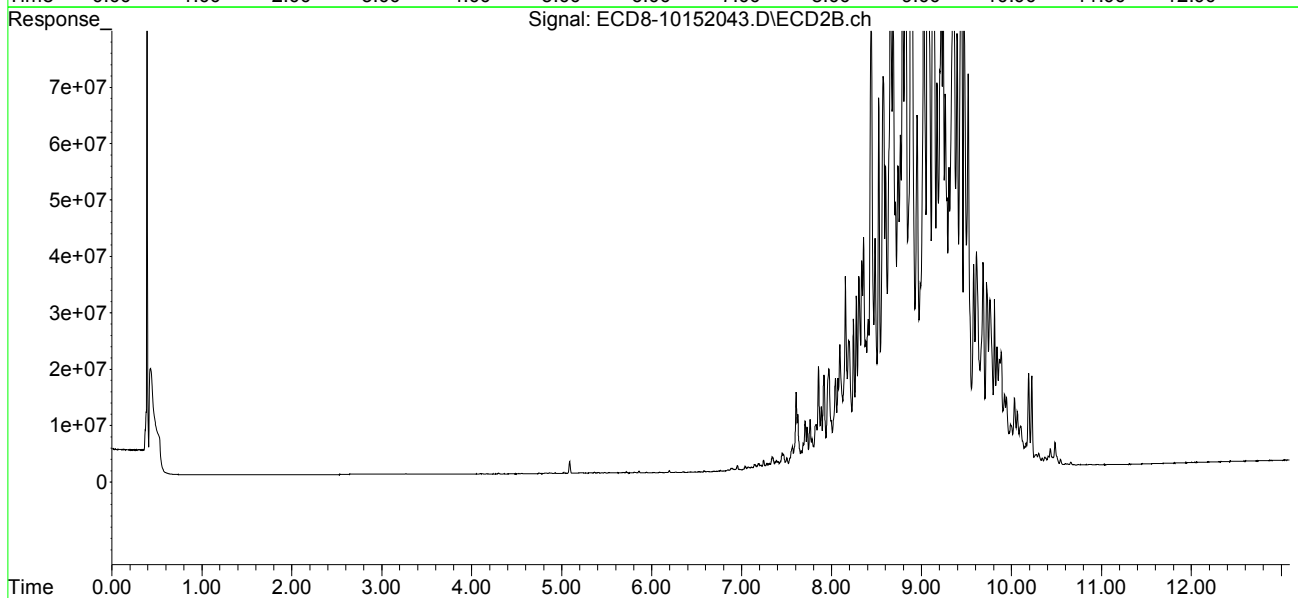
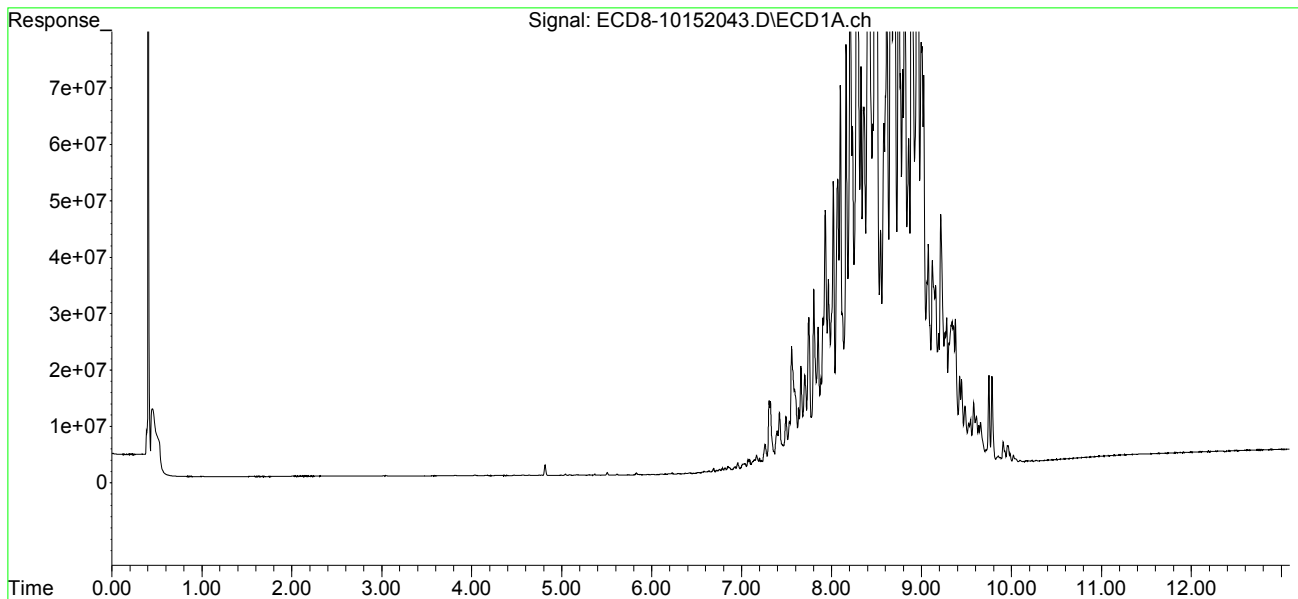
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.802	8.441	31810920	79634590	1849.262	2633.672 #
37)	Toxaphene...	8.098	8.790	67923479	104.7E6	2124.146	2665.298 #
38)	Toxaphene...	8.418	8.823	147.3E6	151.2E6	1955.044	2390.707
39)	Toxaphene...	8.656	8.891	154.2E6	255.8E6	2122.116	2234.760
40)	Toxaphene...	8.890	9.069	130.9E6	153.5E6	2344.529	2703.379
41)	Toxaphene...	8.961	9.442	145.1E6	163.3E6	1887.451	2522.356 #
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\2020-10\0J15061\
Data File : ECD8-10152043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 4:43
Operator : MJB
Sample : 0J15061-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: Oct 20 17:03:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_201015.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Oct 20 17:00:33 2020
Response via : Initial Calibration
Integrator: ChemStation



**Semivolatile Organic Compounds by EPA 8270E
Benchsheet & Analysis Sequence Data**

Batch 0100503
Sequence 0J15030 (A0J0472-01)



Apex Laboratories
PREPARATION BENCH SHEET

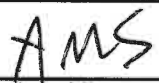

BATCH #: 0100503 (Water)

Prep Method: EPA 3510C (Acid Extraction)

#	Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	0100503-BLK1	QC	10/15/20 10:57	1100	1				100				
	0100503-BLK2	QC	10/15/20 10:57	1100	1				100		Added 10/16/2020 by hml		
	0100503-BSD1	QC	10/15/20 10:57	1000	1	A20J197		50	100				
	0100503-BSD2	QC	10/15/20 10:57	1000	1	A20J197		50	100		Added 10/16/2020 by hml		
	0100503-BS1	QC	10/15/20 10:57	1000	1	A20J197		50	100				
	0100503-BS2	QC	10/15/20 10:57	1000	1	A20J197		50	100		Added 10/16/2020 by hml		
	A0J0360-02	H 8270E SIM PAH	10/15/20 10:57	900	2				100	VI01-GW			
	A0J0360-05	H 8270E SIM PAH	10/15/20 10:57	910	2				100	VI03-GW			
	A0J0366-06	B 8270E SIM PAH	10/15/20 10:57	930	2				100	MW-1-10/9/20			
	A0J0472-01	A 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	SG-RB-2010121630	PAHs and BEHP only		
	A0J0506-01	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-001SW-201014	custom PAH list, + BEHP +PCP		
	A0J0506-01RE1	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-001SW-201014	Added 10/16/2020 By hml		
	A0J0506-01RE2	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-001SW-201014	Added 10/19/2020 by ams		
	A0J0506-02	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-004SW-201014	custom PAH list, + BEHP +PCP		
	A0J0506-02RE1	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-004SW-201014	Added 10/16/2020 By hml		
	A0J0506-03	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-008SW-201014	custom PAH list, + BEHP +PCP		
	A0J0506-03RE1	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-008SW-201014	Added 10/16/2020 By hml		
	A0J0506-04	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-1008SW-201014	custom PAH list, + BEHP +PCP		
	A0J0506-04RE1	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1050	1				100	NCPDI-1008SW-201014	Added 10/16/2020 By hml		

Standards/Reagents

Prepared By: _____ Date _____



 Reviewed By: _____ Date _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0100503 (Water)

Prep Method: EPA 3510C (Acid Extraction)

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

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>	<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>	<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>
A20B017	02/01/21	Glass Wool	A20J197	04/11/21	8270E PAH+/Phenols (JSCS) Spike @ 80 PPM	A20I377	03/24/21	PAH Soil and Water Surr. (50ppm)
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						
A20H308	08/20/22	Conc. HCl - Omnitrace						

3x rinse

Witness: _____

Bottle Check: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: **0100503 (Water)**
Prep Method: EPA 3510C (Acid Extraction)

#	Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	Other	>11
	0100503-BLK1	QC	10/15/20 10:57	1000 1100	1 ✓				100			✓		
	0100503-BSD1	QC	10/15/20 10:57	1000	1 ✓	A20J197		50	100			✓		
	0100503-BS1	QC	10/15/20 10:57	1000	1 ✓	A20J197		50	100			✓		
	A0J0360-02	H 8270E SIM PAH	10/15/20 10:57	1000 900	2 ✓				100	VI01-GW ✓	10-15-2020	✓		
	A0J0360-05	H 8270E SIM PAH	10/15/20 10:57	1000 910	2 ✓				100	VI03-GW ✓		✓		
	A0J0366-06	B 8270E SIM PAH	10/15/20 10:57	1000 930	2 ✓				100	MW-1-10/9/20 ✓		✓		
	A0J0472-01	A 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1000 1050	1 ✓				100	SG-RB-2010121 630 ✓	PAHs and BEHP only	✓		
	A0J0506-01	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1000 1050	1 ✓				100	NCPDI-001SW-2 01014 ✓	custom PAH list, + BEHP +PCP	✓		
	A0J0506-02	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1000 1050	1 ✓				100	NCPDI-004SW-2 01014 ✓	custom PAH list, + BEHP +PCP	✓		
	A0J0506-03	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1000 1050	1 ✓				100	NCPDI-008SW-2 01014 ✓	custom PAH list, + BEHP +PCP	✓		
	A0J0506-04	G 8270E LL PAH/PHTH/Phenols	10/15/20 10:57	1000 1050	1 ✓				100	NCPDI-1008SW- 201014 ✓	custom PAH list, + BEHP +PCP	✓		

Standards/Reagents

Reagent(s)			Analyte Spike(s) <i>du</i>			Surrogate(s) <i>du</i>		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20B017	02/01/21	Glass Wool	A20J197	04/11/21	8270E PAH+/Phenols (JSCS) Spike @ 80 PPM	A20I377	03/24/21	PAH Soil and Water Surr. (50ppm)
A20F023	11/29/22	Sodium Sulfate Lot # 196476						
A20H026	01/31/21	DCM CHEM PROD. DZ242-US						
A20H308	08/20/22	Conc. HCl - Omnitrace						

D = Decanted

3x rinse ✓ *du* 10-15-2020

Witness: *AJT* 10-15-20

Bottle Check: *AJT* 10-15-20

CACB 10-15-2020
Prepared By: _____ Date

CAS 10/19/2020
Reviewed By: _____ Date



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: OJ15030

Instrument: SV-GCMS10

Date: 10/15/20 07:52

Calibration: A0E0506

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ15030-TUN1	Water	QC	QC			A20I158	A20J205
2	OJ15030-CCV1	Water	QC	QC			A20I158	A20I411
3	OJ15030-IBL1	Water	QC	QC			A20I158	
4	OJ15030-TUN2	Water	QC	QC			A20I158	A20J205
5	OJ15030-CCV2	Water	QC	QC			A20I158	A20I411
6	OJ15030-CCB1	Water	QC	QC			A20I158	
7	A0J0123-03RE3	Soil	8270E LL PAH/PHTH/Phenols		10/15/20	0100353	A20I158	
8	A0J0207-01RE1	Sediment	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/19/20	0100461	A20I158	
9	A0J0387-02RE1	Water	8270E LL PAH/PHTH/Phenols		10/23/20	0100462	A20I158	
10	A0J0364-01RE1	Water	8270E LL PAH/PHTH/Phenols		10/23/20	0100462	A20I158	
11	A0J0367-01RE1	Water	8270E LL PAH/PHTH/Phenols		10/23/20	0100462	A20I158	
12	A0J0387-01RE1	Water	8270E LL PAH/PHTH/Phenols		10/23/20	0100462	A20I158	
13	A0J0387-03RE1	Water	8270E LL PAH/PHTH/Phenols		10/23/20	0100462	A20I158	
14	A0J0207-02RE1	Sediment	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/19/20	0100461	A20I158	
15	A0J0207-03RE1	Sediment	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/19/20	0100461	A20I158	
16	A0J0207-01RE2	Sediment	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/19/20	0100461	A20I158	
17	0100503-BLK2	Water	QC	QC		0100503	A20I158	
18	0100503-BS2	Water	QC	QC		0100503	A20I158	
19	0100503-BSD2	Water	QC	QC		0100503	A20I158	
20	A0J0472-01	Water	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/26/20	0100503	A20I158	
21	A0J0506-01	Water	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/27/20	0100503	A20I158	
22	A0J0506-02	Water	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/27/20	0100503	A20I158	
23	A0J0506-03	Water	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/27/20	0100503	A20I158	
24	A0J0506-04	Water	8270E LL PAH/PHTH/Phenols	Anchor QEA, LLC	10/27/20	0100503	A20I158	
25	A0J0364-01RE2	Water	8270E LL PAH/PHTH/Phenols		10/23/20	0100462	A20I158	
26	OJ15030-IBL2	Water	QC	QC			A20I158	

Data Entered By/Date: HML 10/16/20

Comments:

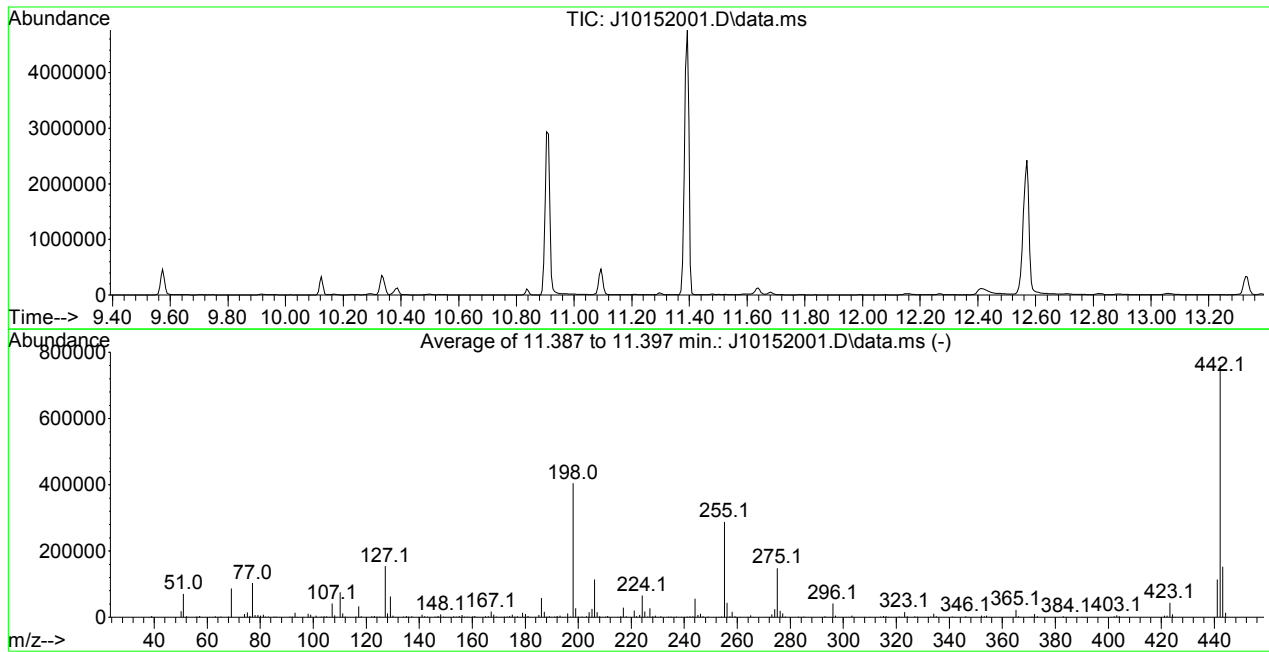
Data Reviewed By/Date: JK 10/16/20

10/16/2020 1:37:49PM

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152001.D
 Acq On : 15 Oct 2020 8:04 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-TUN1
 Misc : 1x, A20J205 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : T:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Wed Oct 14 10:25:08 2020



AutoFind: Scans 1477, 1478, 1479; Background Corrected with Scan 1472

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	1581	PASS
69	198	0.01	100	21.5	86890	PASS
70	69	0.00	2	0.5	421	PASS
197	198	0.00	2	0.4	1516	PASS
198	198	100	100	100.0	404267	PASS
199	198	5	9	6.8	27469	PASS
365	198	1	100	5.7	23075	PASS
441	443	0.01	150	75.1	114800	PASS
442	198	0.10	200	188.5	762176	PASS
443	442	15	24	20.1	152851	PASS

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152001.D
 Acq On : 15 Oct 2020 8:04 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-TUN1
 Misc : 1x, A20J205 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 13:44:52 2020
 Quant Method : T:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Oct 14 10:25:08 2020
 Response via : Initial Calibration

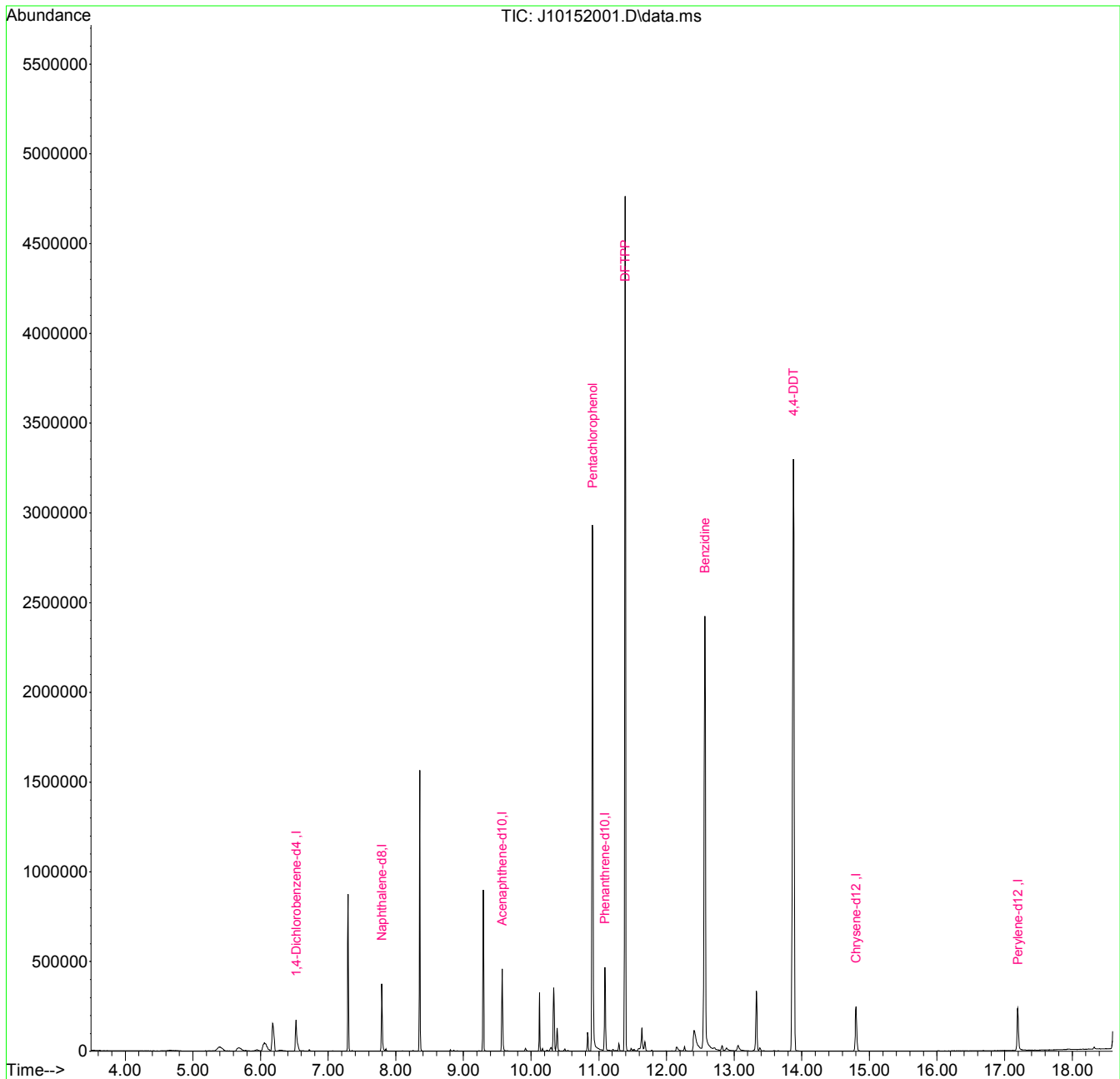
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.525	150	83937	2.00	ug/mL	0.00
2) Naphthalene-d8	7.793	136	214993	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.574	162	106242	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.093	188	193173	2.00	ug/mL	0.00
11) Chrysene-d12	14.805	240	142539	2.00	ug/mL	0.04
12) Perylene-d12	17.195	264	137553	2.00	ug/mL	# 0.16
Target Compounds						
4) Pentachlorophenol	10.911	266	461120	45.96	ug/mL	78
6) DFTPP	11.392	442	875944	56.17	ug/mL#	62
7) Benzidine	12.569	184	1437801	20.92	ug/mL	96
8) 4,4-DDE	12.820	TIC	32978	No Calib		
9) 4,4-DDD	13.296	TIC	7405	No Calib		
10) 4,4-DDT	13.879	TIC	5352224	27.02	ug/mL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
Data File : J10152001.D
Acq On : 15 Oct 2020 8:04 am
Operator : JK/ AMS/ DTH
Sample : 0J15030-TUN1
Misc : 1x, A20J205 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 13:44:52 2020
Quant Method : T:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Oct 14 10:25:08 2020
Response via : Initial Calibration



Data Path : T:\data\2020-10\0J15030\
 Data File : J10152002.D
 Acq On : 15 Oct 2020 8:31 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV1
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 08:57:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.498	152	196500	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.766	136	768421	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.547	162	403805	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.061	188	749898	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	14.799	240	776544	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.260	264	716672	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	20.645	292	687014	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.241	112	125951	1055.85	ng/ml	-0.02
5) Phenol-d6(Surr)	6.150	99	145061	1032.94	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.049	82	114916	1037.40	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	8.857	172	327154	1016.97	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.355	330	53774	1013.06	ng/ml	0.00
79) Terphenyl-d14 (Surr)	12.847	244	358070	949.99	ng/ml	0.03
Target Compounds						
2) N-Nitrosodimethylamine	3.856	74	71316	1009.22	ng/ml	93
3) Pyridine	3.872	79	113901	984.57	ng/ml	94
6) Phenol	6.167	94	152591	1046.27	ng/ml	92
7) Aniline	6.188	93	69617	475.85	ng/ml	79
8) Bis(2-chloroethyl) ether	6.236	93	124717	963.00	ng/ml	93
9) 2-Chlorophenol	6.300	128	137564	1040.03	ng/ml	99
10) 1,3-Dichlorobenzene	6.445	146	153915	958.26	ng/ml	98
11) 1,4-Dichlorobenzene	6.514	146	151544	973.93	ng/ml	98
12) Benzyl alcohol	6.643	108	74604	1050.09	ng/ml	92
13) 1,2-Dichlorobenzene	6.669	146	150591	1005.28	ng/ml	97
14) 2-Methylphenol	6.750	107	104433	1099.59	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	6.766	45	101611	1006.53	ng/ml	96
16) N-Nitrosodi-n-propylamine	6.894	70	82592	1121.45	ng/ml	97
17) 3+4-Methylphenol	6.905	107	132075	1109.57	ng/ml	97
18) Hexachloroethane	7.001	201	51291	922.36	ng/ml	95
20) Nitrobenzene	7.065	77	118221	1072.46	ng/ml	95
22) Isophorone	7.300	82	234056	1036.63	ng/ml	98
23) 2-Nitrophenol	7.386	139	69962	966.25	ng/ml	92
24) 2,4-Dimethylphenol	7.429	122	117134	1065.15	ng/ml	97
25) Bis(2-chloroethoxy) me...	7.514	93	143922	1027.16	ng/ml	98

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152002.D
 Acq On : 15 Oct 2020 8:31 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV1
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 08:57:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.525	105	68572	1925.42	ng/ml	97
27) 2,4-Dichlorophenol	7.627	162	118245	1066.44	ng/ml	98
28) 1,2,4-Trichlorobenzene	7.712	180	138968	990.19	ng/ml	98
29) Naphthalene	7.787	128	411682	1002.92	ng/ml	99
30) 4-Chloroaniline	7.851	127	74536	574.89	ng/ml	97
31) Hexachlorobutadiene	7.916	225	85570	993.28	ng/ml	98
32) 4-Chloro-3-methylphenol	8.333	107	106671	1104.53	ng/ml	97
33) 2-Methylnaphthalene	8.482	142	294240	1053.39	ng/ml	97
34) 1-Methylnaphthalene	8.584	142	276636	1055.16	ng/ml	97
36) Hexachlorocyclopentadiene	8.654	237	56328	682.53	ng/ml	99
37) 2,4,6-Trichlorophenol	8.777	196	85800	1031.33	ng/ml	98
38) 2,4,5-Trichlorophenol	8.814	198	83158	1003.78	ng/ml	98
39) 1,1'-Biphenyl	8.959	154	348022	1025.05	ng/ml	100
41) 2-Chloronaphthalene	8.980	162	255747	969.78	ng/ml	94
42) 2-Nitroaniline	9.082	138	78153	1067.13	ng/ml	88
43) 2,6-Dimethylnaphthalene	9.119	156	250583	1015.70	ng/ml	96
44) 1,4-Dinitrobenzene	9.215	168	38502	1062.82	ng/ml	95
45) Dimethyl phthalate	9.263	163	304904	1048.56	ng/ml	98
46) 1,3-Dinitrobenzene	9.295	168	45718	1063.95	ng/ml	97
47) 2,6-Dinitrotoluene	9.328	165	68091	1037.91	ng/ml	90
48) 1,2-Dinitrobenzene	9.381	168	31478	1039.35	ng/ml	83
49) Acenaphthylene	9.402	152	408135	1042.03	ng/ml	98
50) 3-Nitroaniline	9.504	138	48304	808.59	ng/ml	97
51) Acenaphthene	9.579	153	263330	995.83	ng/ml	96
52) 2,4-Dinitrophenol	9.606	184	11540	725.92	ng/ml	90
53) 4-Nitrophenol	9.681	139	38204	899.58	ng/ml	83
54) 2,4-Dinitrotoluene	9.739	165	87109	1034.15	ng/ml	98
55) Dibenzofuran	9.755	168	371293	1015.37	ng/ml	97
56) 2,3,5,6-Tetrachlorophenol	9.841	232	66922	972.69	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	9.884	232	71786	974.55	ng/ml	98
58) Diethyl phthalate	9.980	149	281859	1023.93	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	9.969	170	234995	1041.81	ng/ml	97
60) Fluorene	10.108	166	287675	1021.70	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.098	204	145986	994.98	ng/ml	97
62) 4-Nitroaniline	10.125	138	46422	1069.65	ng/ml	90
63) 4,6-Dinitro-2-methylph...	10.157	198	30705	847.45	ng/ml	97
65) N-Nitrosodiphenylamine	10.221	169	240514	1055.30	ng/ml	98
66) Azobenzene (1,2-DPH)	10.258	77	213930	1030.20	ng/ml	99

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152002.D
 Acq On : 15 Oct 2020 8:31 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV1
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 08:57:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

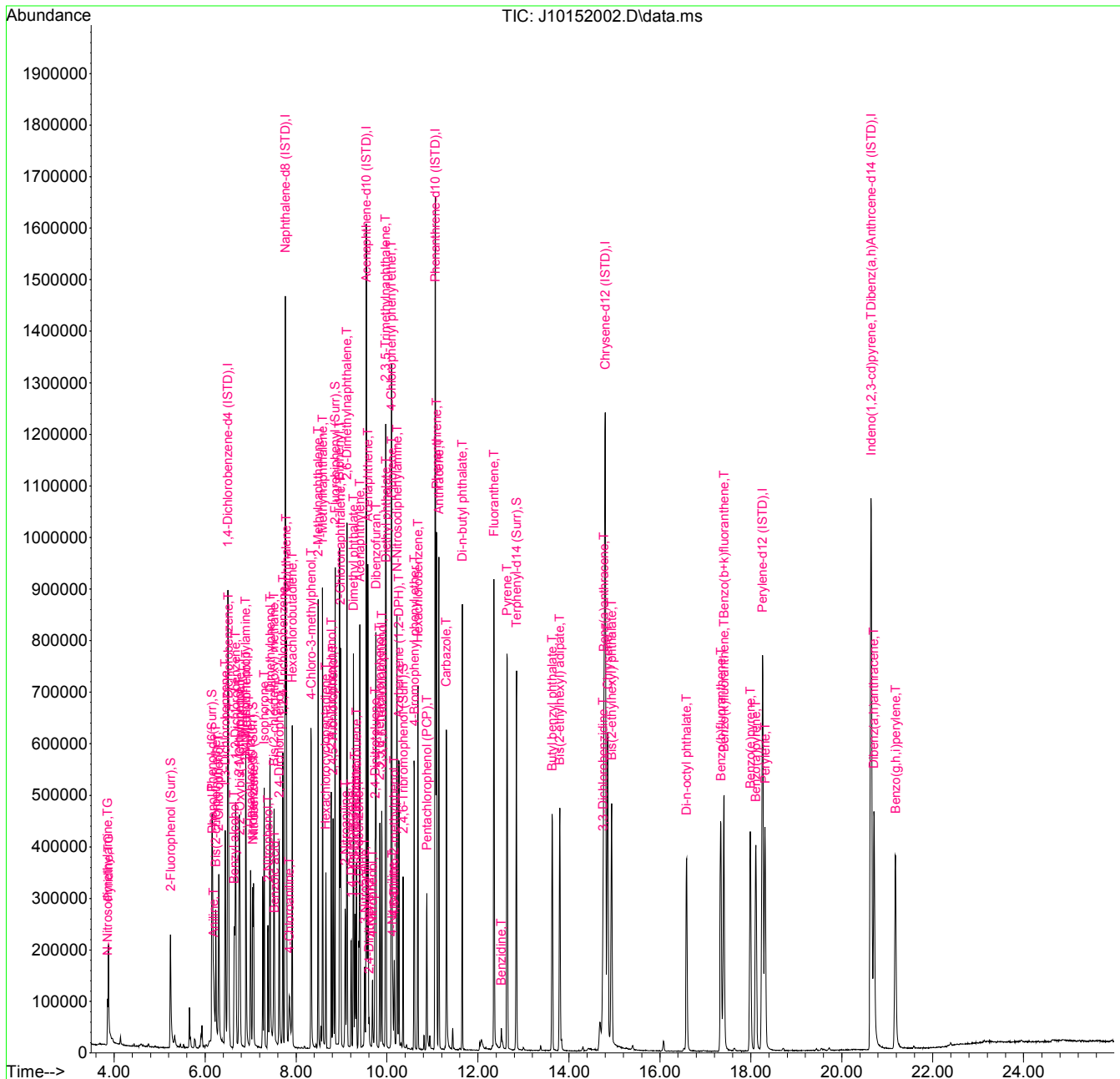
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	10.601	248	92449	986.78	ng/ml	98
69) Hexachlorobenzene	10.681	284	117847	981.69	ng/ml	96
70) Pentachlorophenol (PCP)	10.879	266	45844	921.17	ng/ml	99
71) Phenanthrene	11.087	178	415438	984.40	ng/ml	100
72) Anthracene	11.141	178	423731	1045.62	ng/ml	99
73) Carbazole	11.307	167	351292	1040.58	ng/ml	99
74) Di-n-butyl phthalate	11.654	149	456503	1081.99	ng/ml	98
75) Fluoranthene	12.355	202	464837	1026.30	ng/ml	96
76) Benzidine	12.510	184	30716	317.36	ng/ml	97
77) Pyrene	12.644	202	447746	987.75	ng/ml	99
80) Butyl benzyl phthalate	13.628	149	181123	1095.77	ng/ml	90
81) Bis(2-ethylhexyl) adipate	13.799	129	157531	1045.87	ng/ml	97
82) 3,3-Dichlorobenzidine	14.751	252	89568	1275.25	ng/ml	96
83) Benz(a)anthracene	14.767	228	448244	1018.01	ng/ml	98
84) Chrysene	14.853	228	415846	1002.66	ng/ml	99
85) Bis(2-ethylhexyl) phth...	14.938	149	261393	1093.48	ng/ml	95
87) Di-n-octyl phthalate	16.591	149	383853	1136.24	ng/ml	99
88) Benzo(b)fluoranthene	17.345	252	399900	1027.83	ng/ml	95
89) Benzo(k)fluoranthene	17.409	252	412023	1045.65	ng/ml	96
90) Benzo(b+k)fluoranthene	17.409	252	829710	2043.54	ng/ml	96
91) Benzo(e)pyrene	17.992	252	379306	1058.90	ng/ml	99
92) Benzo(a)pyrene	18.110	252	339911	1046.31	ng/ml	96
93) Perylene	18.313	252	347557	1006.69	ng/ml	100
95) Indeno(1,2,3-cd)pyrene	20.645	276	352134	881.62	ng/ml	88
96) Dibenz(a,h)anthracene	20.709	278	339011	913.38	ng/ml	93
97) Benzo(g,h,i)perylene	21.185	276	353586	935.24	ng/ml	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
Data File : J10152002.D
Acq On : 15 Oct 2020 8:31 am
Operator : JK/ AMS/ DTH
Sample : 0J15030-CCV1
Misc : 1x, A20I411@1000
ALS Vial : 2 Sample Multiplier: 1

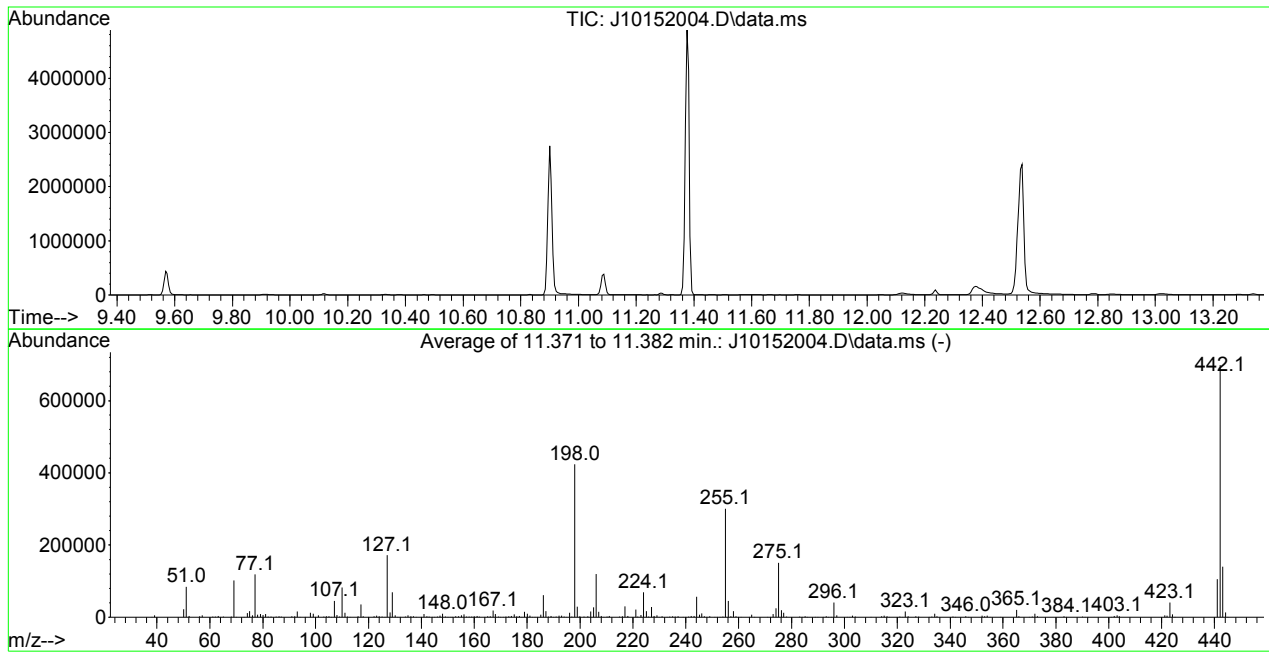
Quant Time: Oct 15 08:57:51 2020
Quant Method : C:\msdchem\1\methods\SV10_050120R6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Oct 09 14:58:00 2020
Response via : Initial Calibration



Data Path : T:\data\2020-10\0J15030\
Data File : J10152004.D
Acq On : 15 Oct 2020 10:10 am
Operator : JK/ AMS/ DTH
Sample : 0J15030-TUN2
Misc : 1x, Replaced liner, A20J205 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : T:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Wed Oct 14 10:25:08 2020



AutoFind: Scans 1474, 1475, 1476; Background Corrected with Scan 1469

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	1826	PASS
69	198	0.01	100	24.1	102213	PASS
70	69	0.00	2	0.7	684	PASS
197	198	0.00	2	0.3	1352	PASS
198	198	100	100	100.0	423552	PASS
199	198	5	9	6.9	29429	PASS
365	198	1	100	5.0	21265	PASS
441	443	0.01	150	75.7	106125	PASS
442	198	0.10	200	165.0	698880	PASS
443	442	15	24	20.0	140112	PASS

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152004.D
 Acq On : 15 Oct 2020 10:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-TUN2
 Misc : 1x, Replaced liner, A20J205 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 13:46:05 2020
 Quant Method : T:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Oct 14 10:25:08 2020
 Response via : Initial Calibration

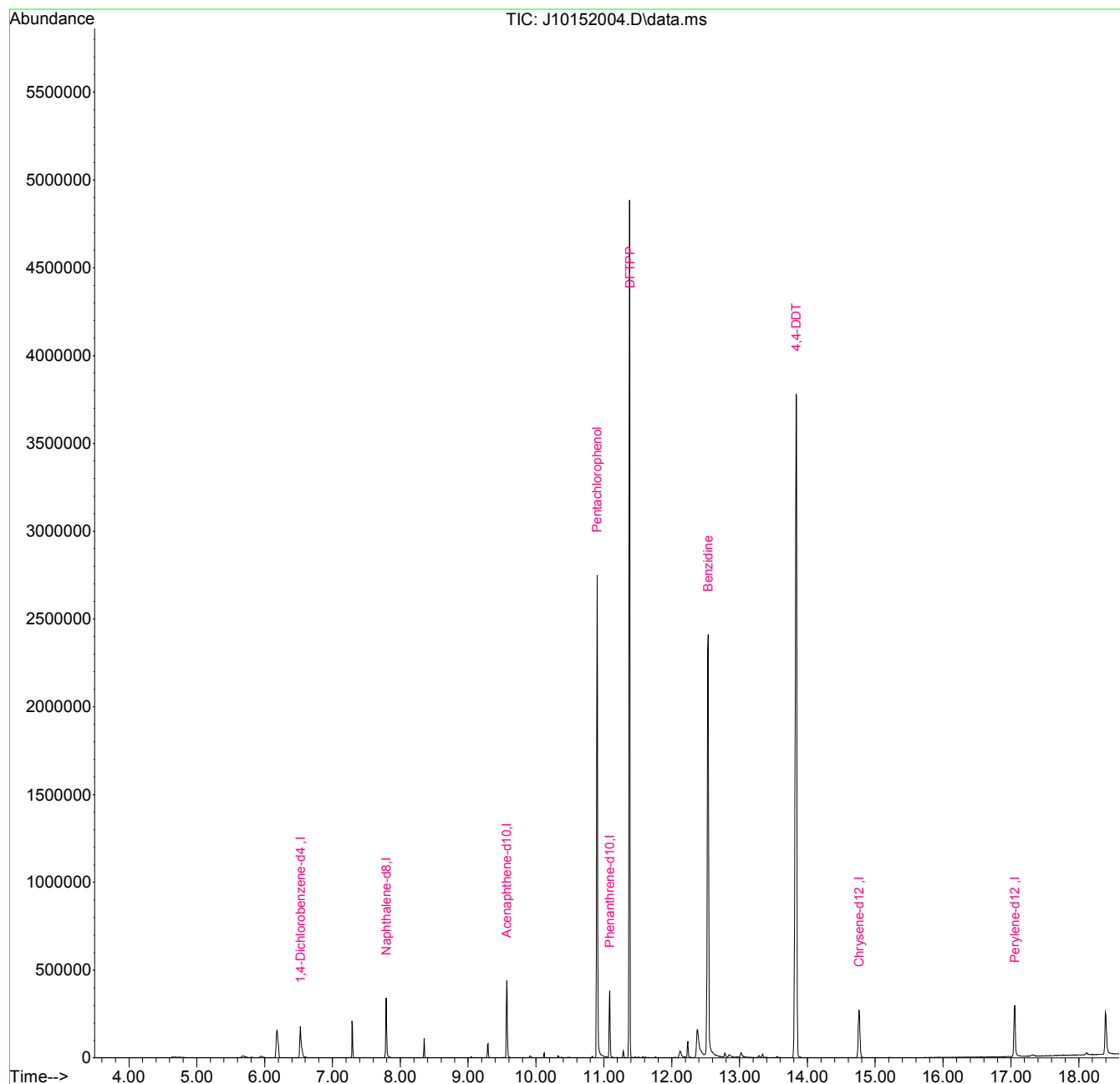
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.525	150	87276	2.00	ug/mL	0.00
2) Naphthalene-d8	7.793	136	201156	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.568	162	105274	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.087	188	155840	2.00	ug/mL	0.00
11) Chrysene-d12	14.762	240	166370	2.00	ug/mL	0.00
12) Perylene-d12	17.057	264	168969	2.00	ug/mL	# 0.02
Target Compounds						
4) Pentachlorophenol	10.900	266	382987	38.53	ug/mL	81
6) DFTPP	11.382	442	816456	64.90	ug/mL#	53
7) Benzidine	12.537	184	1479241	26.68	ug/mL	97
8) 4,4-DDE	12.788	TIC	28851	No Calib		
9) 4,4-DDD	13.286	TIC	14177	No Calib		
10) 4,4-DDT	13.831	TIC	6436885	40.28	ug/mL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
Data File : J10152004.D
Acq On : 15 Oct 2020 10:10 am
Operator : JK/ AMS/ DTH
Sample : 0J15030-TUN2
Misc : 1x, Replaced liner, A20J205 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 13:46:05 2020
Quant Method : T:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Oct 14 10:25:08 2020
Response via : Initial Calibration



DDT Breakdown Check (Validated 5/1/2013)

From:

0J15030-TUN2

SV-GCMS 10

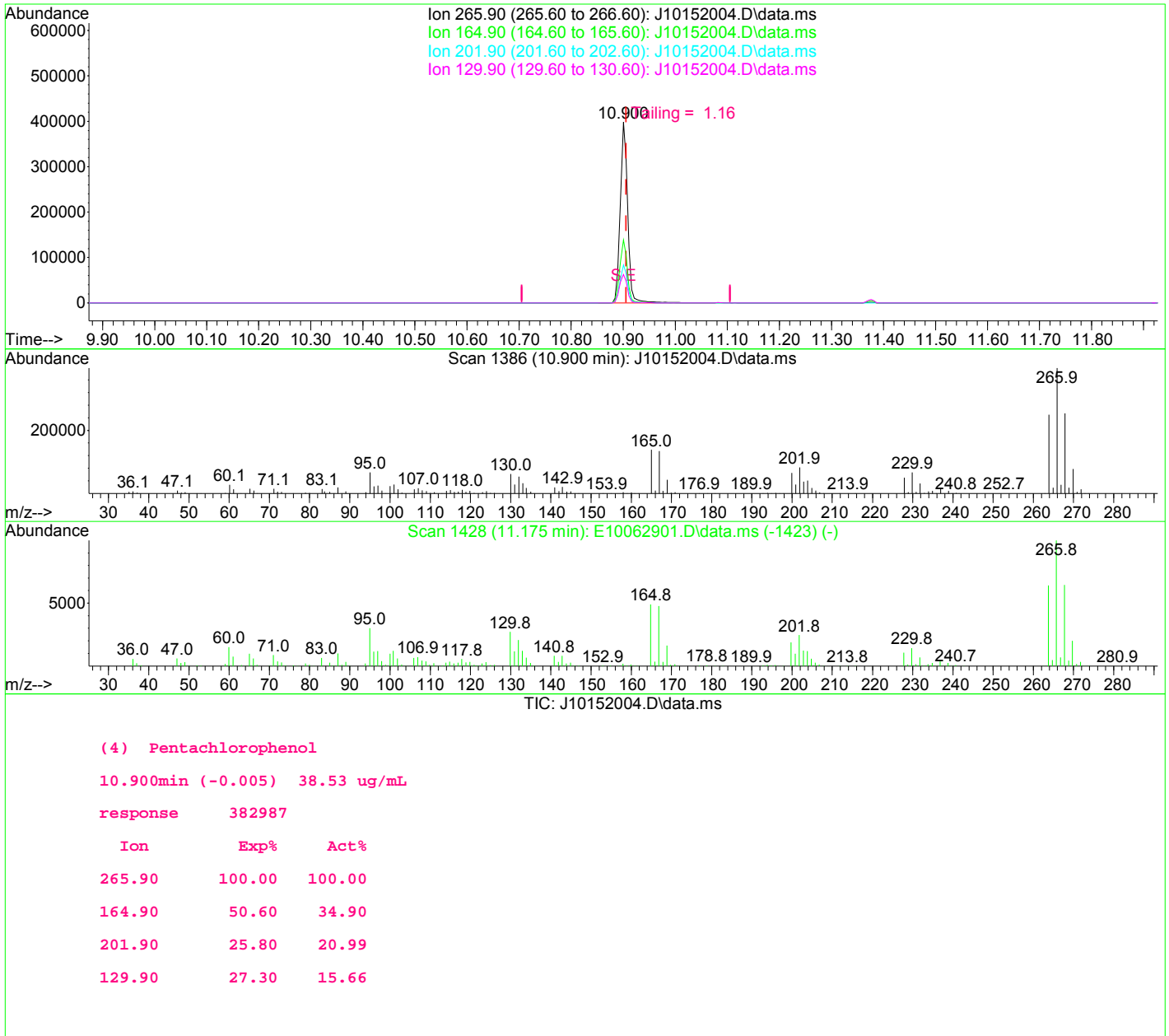
First Column Area Counts	Percent Breakdown		
DDE	28851		
DDD	14177		
DDT	6436885	0.66	PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152004.D
 Acq On : 15 Oct 2020 10:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-TUN2
 Misc : 1x, Replaced liner, A20J205 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

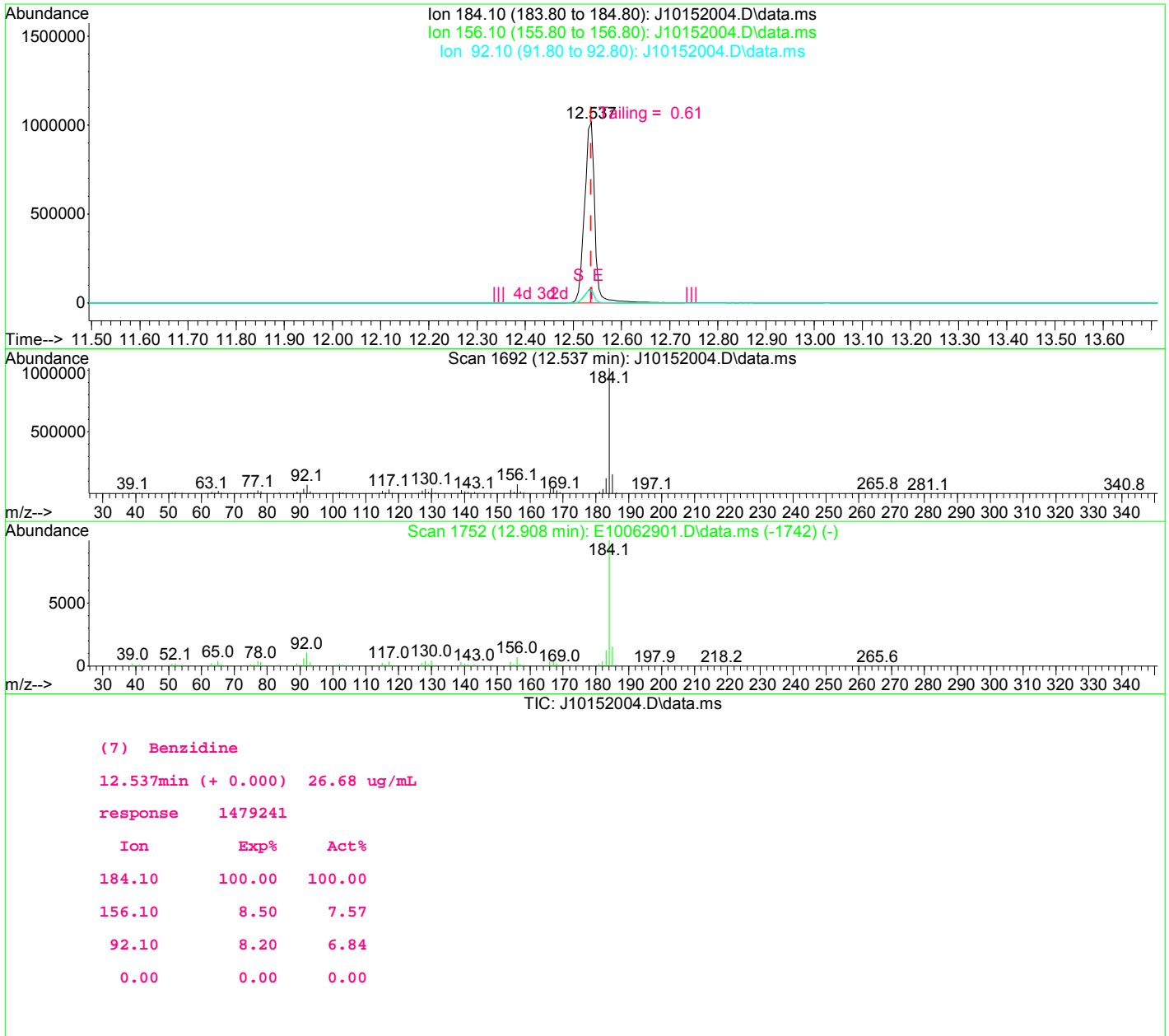
Quant Time: Oct 15 13:46:05 2020
 Quant Method : T:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Oct 14 10:25:08 2020
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152004.D
 Acq On : 15 Oct 2020 10:10 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-TUN2
 Misc : 1x, Replaced liner, A20J205 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 13:46:05 2020
 Quant Method : T:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Oct 14 10:25:08 2020
 Response via : Initial Calibration



Evaluate Continuing Calibration Report

AMS 10/15/20

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152005.D
 Acq On : 15 Oct 2020 10:38 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV2
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 13:47:50 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 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	1,4-Dichlorobenzene-d4 (IST	2000.000	2000.000	0.0	119	0.00
2 TG	N-Nitrosodimethylamine	1000.000	1048.237	-4.8	123	-0.02
3 TG	Pyridine	1000.000	989.011	1.1	118	-0.02
4 S	2-Fluorophenol (Surr)	1000.000	1028.190	-2.8	118	0.00
5 S	Phenol-d6(Surr)	1000.000	973.070	2.7	108	0.00
6 T	Phenol	1000.000	968.887	3.1	112	0.00
7 T	Aniline	1000.000	173.520	82.6#	21	0.00
8 T	Bis(2-chloroethyl) ether	1000.000	914.407	8.6	101	0.00
9 T	2-Chlorophenol	1000.000	1009.783	-1.0	113	0.00
10 T	1,3-Dichlorobenzene	1000.000	963.867	3.6	114	0.00
11 T	1,4-Dichlorobenzene	1000.000	964.481	3.6	115	0.00
12 T	Benzyl alcohol	1000.000	962.624	3.7	105	0.00
13 T	1,2-Dichlorobenzene	1000.000	1003.348	-0.3	116	0.00
14 T	2-Methylphenol	1000.000	1022.948	-2.3	112	0.00
15 T	2,2'-Oxybis(1-Chloropropane	1000.000	995.044	0.5	113	0.00
16 T	N-Nitrosodi-n-propylamine	1000.000	1076.154	-7.6	119	0.00
17 T	3+4-Methylphenol	1000.000	1039.204	-3.9	112	0.00
18 T	Hexachloroethane	1000.000	980.637	1.9	115	0.00
19 S	Nitrobenzene-d5 (Surr)	1000.000	1023.437	-2.3	112	0.00
20 T	Nitrobenzene	1000.000	1051.595	-5.2	119	0.00
21 I	Naphthalene-d8 (ISTD)	2000.000	2000.000	0.0	120	0.00
22 T	Isophorone	1000.000	1047.293	-4.7	120	0.00
23 T	2-Nitrophenol	1000.000	996.075	0.4	107	0.00
24 T	2,4-Dimethylphenol	1000.000	1007.910	-0.8	109	0.00
25 T	Bis(2-chloroethoxy) methane	1000.000	1009.217	-0.9	116	0.00
26 T	Benzoic acid	2000.000	1344.107	32.8#	64	0.00
27 T	2,4-Dichlorophenol	1000.000	1040.842	-4.1	114	0.00
28 T	1,2,4-Trichlorobenzene	1000.000	987.660	1.2	113	0.00
29 T	Naphthalene	1000.000	1005.490	-0.5	115	0.00
30 T	4-Chloroaniline	1000.000	475.316	52.5#	50	0.01
31 T	Hexachlorobutadiene	1000.000	994.972	0.5	116	0.00
32 T	4-Chloro-3-methylphenol	1000.000	1103.119	-10.3	123	0.00
33 T	2-Methylnaphthalene	1000.000	1063.195	-6.3	121	0.00

Evaluate Continuing Calibration Report

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152005.D
 Acq On : 15 Oct 2020 10:38 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV2
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 13:47:50 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 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)
34 T	1-Methylnaphthalene	1000.000	1049.993	-5.0	121	0.00
35 I	Acenaphthene-d10 (ISTD)	2000.000	2000.000	0.0	119	0.00
36 T	Hexachlorocyclopentadiene	1000.000	1086.906	-8.7	121	-0.01
37 T	2,4,6-Trichlorophenol	1000.000	1059.726	-6.0	117	0.00
38 T	2,4,5-Trichlorophenol	1000.000	1076.573	-7.7	121	0.00
39 T	1,1'-Biphenyl	1000.000	1048.982	-4.9	118	0.00
40 S	2-Fluorobiphenyl (Surr)	1000.000	1085.736	-8.6	124	0.00
41 T	2-Chloronaphthalene	1000.000	1025.968	-2.6	117	0.00
42 T	2-Nitroaniline	1000.000	1087.079	-8.7	121	0.00
43 T	2,6-Dimethylnaphthalene	1000.000	1001.681	-0.2	113	0.00
44 T	1,4-Dinitrobenzene	1000.000	1183.485	-18.3	136	0.00
45 T	Dimethyl phthalate	1000.000	1078.657	-7.9	120	0.00
46 T	1,3-Dinitrobenzene	1000.000	1131.734	-13.2	129	0.00
47 T	2,6-Dinitrotoluene	1000.000	1093.148	-9.3	124	0.00
48 T	1,2-Dinitrobenzene	1000.000	1093.707	-9.4	122	0.00
49 T	Acenaphthylene	1000.000	1057.547	-5.8	117	0.00
50 T	3-Nitroaniline	1000.000	786.455	21.4#	92	0.00
51 T	Acenaphthene	1000.000	1000.921	-0.1	114	0.00
52 T	2,4-Dinitrophenol	1000.000	657.421	34.3#	73	0.00
53 T	4-Nitrophenol	1000.000	921.019	7.9	101	0.00
54 T	2,4-Dinitrotoluene	1000.000	1079.728	-8.0	125	0.00
55 T	Dibenzofuran	1000.000	1045.741	-4.6	118	0.00
56 T	2,3,5,6-Tetrachlorophenol	1000.000	1008.921	-0.9	113	0.00
57 T	2,3,4,6-Tetrachlorophenol	1000.000	1015.275	-1.5	119	0.00
58 T	Diethyl phthalate	1000.000	1043.575	-4.4	115	0.00
59 T	2,3,5-Trimethylnaphthalene	1000.000	1051.187	-5.1	116	0.00
60 T	Fluorene	1000.000	1003.644	-0.4	112	0.00
61 T	4-Chlorophenyl phenyl ether	1000.000	981.228	1.9	114	0.00
62 T	4-Nitroaniline	1000.000	1100.583	-10.1	122	0.00
63 T	4,6-Dinitro-2-methylphenol	1000.000	688.044	31.2#	78	0.00
64 I	Phenanthrene-d10 (ISTD)	2000.000	2000.000	0.0	114	0.00
65 T	N-Nitrosodiphenylamine	1000.000	1042.099	-4.2	108	0.00

Evaluate Continuing Calibration Report

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152005.D
 Acq On : 15 Oct 2020 10:38 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV2
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 13:47:50 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 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)
66 T	Azobenzene (1,2-DPH)	1000.000	1045.182	-4.5	111	0.00
67 S	2,4,6-Tribromophenol (Surr)	1000.000	1049.736	-5.0	114	0.00
68 T	4-Bromophenyl phenyl ether	1000.000	988.027	1.2	111	0.00
69 T	Hexachlorobenzene	1000.000	938.146	6.2	108	0.00
70 T	Pentachlorophenol (PCP)	1000.000	1019.362	-1.9	111	0.00
71 T	Phenanthrene	1000.000	972.695	2.7	107	0.00
72 T	Anthracene	1000.000	1019.097	-1.9	108	0.00
73 T	Carbazole	1000.000	1010.565	-1.1	112	0.00
74 T	Di-n-butyl phthalate	1000.000	1073.229	-7.3	112	0.00
75 T	Fluoranthene	1000.000	1061.109	-6.1	111	-0.01
76 T	Benzidine	2000.000	319.638	84.0#	11	0.00
77 T	Pyrene	1000.000	1086.905	-8.7	114	-0.02
78 I	Chrysene-d12 (ISTD)	2000.000	2000.000	0.0	121	-0.02
79 S	Terphenyl-d14 (Surr)	1000.000	1004.157	-0.4	114	0.00
80 T	Butyl benzyl phthalate	1000.000	1120.675	-12.1	128	-0.01
81 T	Bis(2-ethylhexyl) adipate	1000.000	1171.931	-17.2	144	-0.01
82 T	3,3-Dichlorobenzidine	2000.000	1225.683	38.7#	74	-0.02
83 T	Benz(a)anthracene	1000.000	1012.765	-1.3	119	-0.02
84 T	Chrysene	1000.000	1014.428	-1.4	119	-0.03
85 T	Bis(2-ethylhexyl) phthalate	1000.000	1089.887	-9.0	129	-0.02
86 I	Perylene-d12 (ISTD)	2000.000	2000.000	0.0	132	-0.03
87 T	Di-n-octyl phthalate	1000.000	1090.833	-9.1	144	-0.03
88 T	Benzo(b)fluoranthene	1000.000	1031.737	-3.2	131	-0.03
89 T	Benzo(k)fluoranthene	1000.000	1006.804	-0.7	126	-0.03
90 T	Benzo(b+k)fluoranthene	2000.000	2008.564	-0.4	127	-0.03
91 T	Benzo(e)pyrene	1000.000	1076.129	-7.6	129	-0.03
92 T	Benzo(a)pyrene	1000.000	1060.089	-6.0	131	-0.03
93 T	Perylene	1000.000	996.680	0.3	128	-0.03
94 I	Dibenz(a,h)Anthracene-d14 (I	2000.000	2000.000	0.0	152	-0.02
95 T	Indeno(1,2,3-cd)pyrene	1000.000	894.613	10.5	139	-0.02
96 T	Dibenz(a,h)anthracene	1000.000	911.358	8.9	135	-0.02

Evaluate Continuing Calibration Report

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152005.D
 Acq On : 15 Oct 2020 10:38 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV2
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 13:47:50 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 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)
97 T	Benzo(g,h,i)perylene	1000.000	990.085	1.0	137	-0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152005.D
 Acq On : 15 Oct 2020 10:38 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV2
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 13:47:50 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.503	152	215293	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.766	136	805539	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.547	162	402363	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.061	188	734141	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	14.772	240	782317	2000.00	ng/ml	-0.02
86) Perylene-d12 (ISTD)	18.238	264	840080	2000.00	ng/ml	-0.03
94) Dibenz(a,h)Anthrcene-d...	20.629	292	825026	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.252	112	134382	1028.19	ng/ml	0.00
5) Phenol-d6(Surr)	6.156	99	149722	973.07	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.049	82	124212	1023.44	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	8.857	172	348029	1085.74	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.349	330	54605	1049.74	ng/ml	0.00
79) Terphenyl-d14 (Surr)	12.826	244	381301	1004.16	ng/ml	0.00
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	3.893	74	81157	1048.24	ng/ml	97
3) Pyridine	3.909	79	125357m	989.01	ng/ml	
6) Phenol	6.167	94	154819	968.89	ng/ml	91
7) Aniline	6.193	93	27814	173.52	ng/ml	57
8) Bis(2-chloroethyl) ether	6.241	93	129750	914.41	ng/ml	93
9) 2-Chlorophenol	6.306	128	146337	1009.78	ng/ml	98
10) 1,3-Dichlorobenzene	6.450	146	169622	963.87	ng/ml	99
11) 1,4-Dichlorobenzene	6.520	146	164427	964.48	ng/ml	99
12) Benzyl alcohol	6.648	108	74733	962.62	ng/ml	94
13) 1,2-Dichlorobenzene	6.669	146	164677	1003.35	ng/ml	98
14) 2-Methylphenol	6.750	107	106446	1022.95	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	6.766	45	110059	995.04	ng/ml	99
16) N-Nitrosodi-n-propylamine	6.899	70	86836	1076.15	ng/ml	97
17) 3+4-Methylphenol	6.905	107	135530	1039.20	ng/ml	96
18) Hexachloroethane	7.001	201	59747	980.64	ng/ml	96
20) Nitrobenzene	7.065	77	127008	1051.60	ng/ml	94
22) Isophorone	7.300	82	247885	1047.29	ng/ml	98
23) 2-Nitrophenol	7.386	139	75605	996.08	ng/ml	92
24) 2,4-Dimethylphenol	7.429	122	116193	1007.91	ng/ml	96
25) Bis(2-chloroethoxy) me...	7.514	93	148238	1009.22	ng/ml	99

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152005.D
 Acq On : 15 Oct 2020 10:38 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV2
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 13:47:50 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.514	105	36159	1344.11	ng/ml	94
27) 2,4-Dichlorophenol	7.627	162	120981	1040.84	ng/ml	99
28) 1,2,4-Trichlorobenzene	7.712	180	145308	987.66	ng/ml	98
29) Naphthalene	7.787	128	432673	1005.49	ng/ml	100
30) 4-Chloroaniline	7.867	127	64603	475.32	ng/ml	95
31) Hexachlorobutadiene	7.916	225	89856	994.97	ng/ml	98
32) 4-Chloro-3-methylphenol	8.333	107	111681	1103.12	ng/ml	98
33) 2-Methylnaphthalene	8.482	142	311324	1063.19	ng/ml	97
34) 1-Methylnaphthalene	8.584	142	288579	1049.99	ng/ml	96
36) Hexachlorocyclopentadiene	8.654	237	89380	1086.91	ng/ml	97
37) 2,4,6-Trichlorophenol	8.777	196	87889	1059.73	ng/ml	98
38) 2,4,5-Trichlorophenol	8.814	198	88939	1076.57	ng/ml	95
39) 1,1'-Biphenyl	8.953	154	354874	1048.98	ng/ml	98
41) 2-Chloronaphthalene	8.980	162	269598	1025.97	ng/ml	98
42) 2-Nitroaniline	9.082	138	79330	1087.08	ng/ml	80
43) 2,6-Dimethylnaphthalene	9.119	156	246241	1001.68	ng/ml	91
44) 1,4-Dinitrobenzene	9.215	168	43012	1183.48	ng/ml	87
45) Dimethyl phthalate	9.263	163	312537	1078.66	ng/ml	98
46) 1,3-Dinitrobenzene	9.295	168	48457	1131.73	ng/ml	96
47) 2,6-Dinitrotoluene	9.322	165	71459	1093.15	ng/ml	88
48) 1,2-Dinitrobenzene	9.381	168	33006	1093.71	ng/ml	81
49) Acenaphthylene	9.402	152	412735	1057.55	ng/ml	99
50) 3-Nitroaniline	9.504	138	46904	786.45	ng/ml	98
51) Acenaphthene	9.579	153	263730	1000.92	ng/ml	96
52) 2,4-Dinitrophenol	9.606	184	9983	657.42	ng/ml	94
53) 4-Nitrophenol	9.675	139	39048	921.02	ng/ml	85
54) 2,4-Dinitrotoluene	9.734	165	90731	1079.73	ng/ml	91
55) Dibenzofuran	9.755	168	381034	1045.74	ng/ml	98
56) 2,3,5,6-Tetrachlorophenol	9.841	232	69299	1008.92	ng/ml	97
57) 2,3,4,6-Tetrachlorophenol	9.884	232	74611	1015.27	ng/ml	98
58) Diethyl phthalate	9.975	149	286240	1043.58	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	9.964	170	236264	1051.19	ng/ml	98
60) Fluorene	10.103	166	281583	1003.64	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.098	204	143454	981.23	ng/ml	97
62) 4-Nitroaniline	10.125	138	47594	1100.58	ng/ml	86
63) 4,6-Dinitro-2-methylph...	10.151	198	23629	688.04	ng/ml	95
65) N-Nitrosodiphenylamine	10.215	169	232515	1042.10	ng/ml	99
66) Azobenzene (1,2-DPH)	10.258	77	212480	1045.18	ng/ml	100

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152005.D
 Acq On : 15 Oct 2020 10:38 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV2
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 13:47:50 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

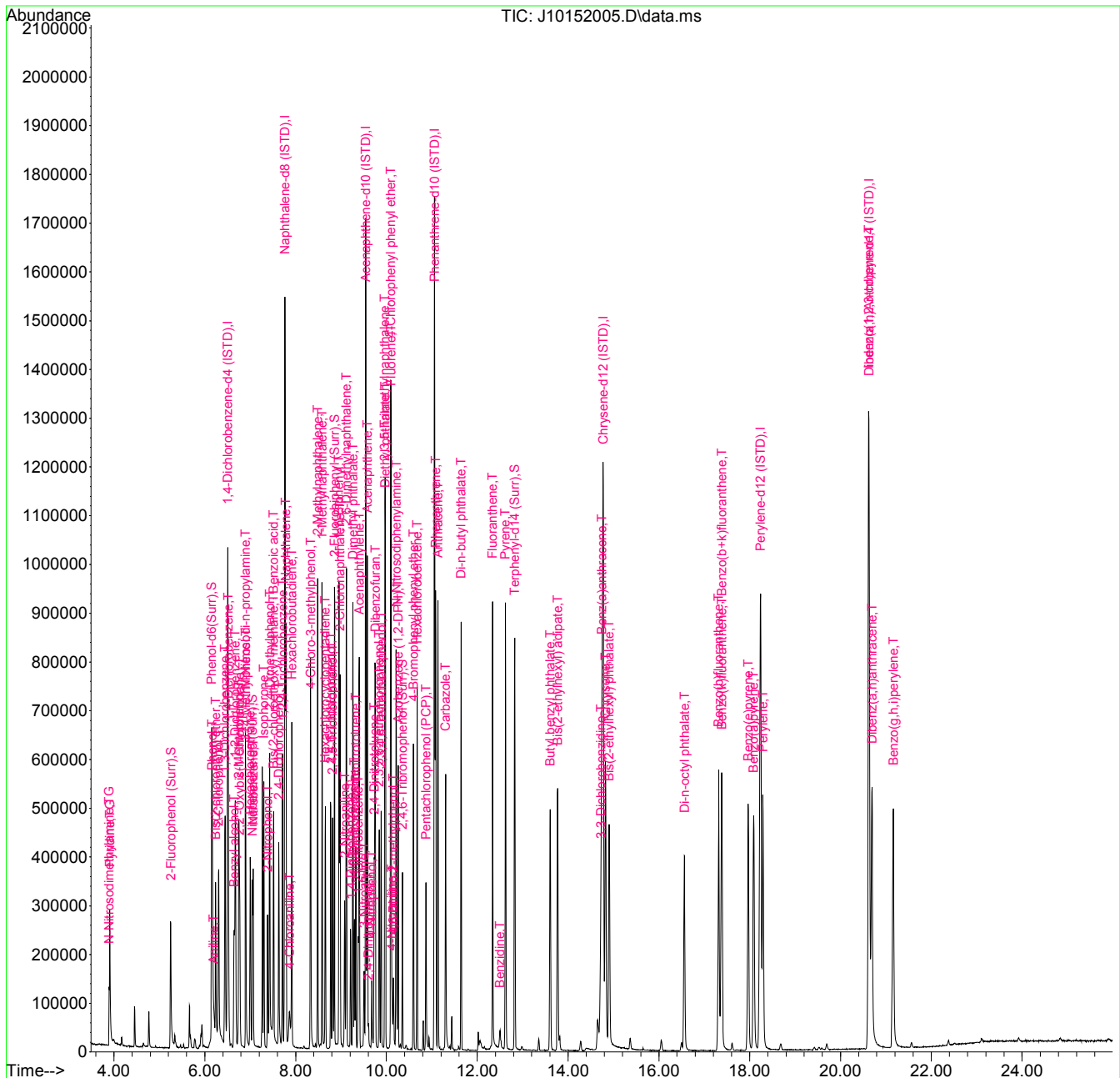
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	10.595	248	90621	988.03	ng/ml	98
69) Hexachlorobenzene	10.675	284	110253	938.15	ng/ml	98
70) Pentachlorophenol (PCP)	10.873	266	50098	1019.36	ng/ml	97
71) Phenanthrene	11.082	178	401874	972.69	ng/ml	99
72) Anthracene	11.135	178	404306	1019.10	ng/ml	100
73) Carbazole	11.301	167	335411	1010.56	ng/ml	99
74) Di-n-butyl phthalate	11.644	149	443292	1073.23	ng/ml	99
75) Fluoranthene	12.339	202	470502	1061.11	ng/ml	96
76) Benzidine	12.499	184	30446	319.64	ng/ml	96
77) Pyrene	12.622	202	482339	1086.91	ng/ml	100
80) Butyl benzyl phthalate	13.606	149	186889	1120.68	ng/ml	93
81) Bis(2-ethylhexyl) adipate	13.772	129	177831	1171.93	ng/ml	97
82) 3,3-Dichlorobenzidine	14.724	252	87808	1225.68	ng/ml	98
83) Benz(a)anthracene	14.746	228	449251	1012.77	ng/ml	99
84) Chrysene	14.826	228	423854	1014.43	ng/ml	99
85) Bis(2-ethylhexyl) phth...	14.906	149	262471	1089.89	ng/ml	98
87) Di-n-octyl phthalate	16.564	149	430072	1090.83	ng/ml	99
88) Benzo(b)fluoranthene	17.318	252	470593	1031.74	ng/ml	97
89) Benzo(k)fluoranthene	17.383	252	464962	1006.80	ng/ml	97
90) Benzo(b+k)fluoranthene	17.383	252	955740	2008.56	ng/ml	97
91) Benzo(e)pyrene	17.966	252	451857	1076.13	ng/ml	99
92) Benzo(a)pyrene	18.089	252	403812	1060.09	ng/ml	98
93) Perylene	18.292	252	403356	996.68	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	20.624	276	429106	894.61	ng/ml	89
96) Dibenz(a,h)anthracene	20.693	278	406214	911.36	ng/ml	94
97) Benzo(g,h,i)perylene	21.164	276	449515	990.08	ng/ml	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152005.D
 Acq On : 15 Oct 2020 10:38 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCV2
 Misc : 1x, A20I411@1000
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 13:47:50 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



AMS 10/15/20

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152006.D
 Acq On : 15 Oct 2020 11:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 13:48:28 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.503	152	193158	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.766	136	730733	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.547	162	379197	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.060	188	749987	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	14.762	240	742426	2000.00	ng/ml	-0.03
86) Perylene-d12 (ISTD)	18.228	264	782585	2000.00	ng/ml	-0.04
94) Dibenz(a,h)Anthrcene-d...	20.624	292	725346	2000.00	ng/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.343	112	1134	9.67	ng/ml	0.08
5) Phenol-d6(Surr)	0.000	99	0	0.00	ng/ml	
19) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml	
40) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml	
67) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml	
79) Terphenyl-d14 (Surr)	12.831	244	216	0.60	ng/ml	0.01
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		Qvalue
3) Pyridine	3.990	79	50	N.D.		
6) Phenol	0.000		0	N.D.		
7) Aniline	0.000		0	N.D.		
8) Bis(2-chloroethyl) ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	0.000		0	N.D.		
16) N-Nitrosodi-n-propylamine	6.840	70	55	N.D.		
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
22) Isophorone	7.268	82	55	N.D.		
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152006.D
 Acq On : 15 Oct 2020 11:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 13:48:28 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	0.000		0		N.D.	
27) 2,4-Dichlorophenol	0.000		0		N.D.	
28) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
29) Naphthalene	0.000		0		N.D.	
30) 4-Chloroaniline	0.000		0		N.D.	
31) Hexachlorobutadiene	0.000		0		N.D.	
32) 4-Chloro-3-methylphenol	0.000		0		N.D.	
33) 2-Methylnaphthalene	0.000		0		N.D.	
34) 1-Methylnaphthalene	0.000		0		N.D.	
36) Hexachlorocyclopentadiene	0.000		0		N.D.	
37) 2,4,6-Trichlorophenol	0.000		0		N.D.	
38) 2,4,5-Trichlorophenol	0.000		0		N.D.	
39) 1,1'-Biphenyl	0.000		0		N.D.	
41) 2-Chloronaphthalene	0.000		0		N.D.	
42) 2-Nitroaniline	0.000		0		N.D.	
43) 2,6-Dimethylnaphthalene	0.000		0		N.D.	
44) 1,4-Dinitrobenzene	0.000		0		N.D.	
45) Dimethyl phthalate	9.263	163	135		N.D.	
46) 1,3-Dinitrobenzene	0.000		0		N.D.	
47) 2,6-Dinitrotoluene	0.000		0		N.D.	
48) 1,2-Dinitrobenzene	0.000		0		N.D.	
49) Acenaphthylene	0.000		0		N.D.	
50) 3-Nitroaniline	0.000		0		N.D.	
51) Acenaphthene	9.552	153	70		N.D.	
52) 2,4-Dinitrophenol	0.000		0		N.D.	
53) 4-Nitrophenol	0.000		0		N.D.	
54) 2,4-Dinitrotoluene	9.723	165	56	27.02	ng/ml#	32
55) Dibenzofuran	0.000		0		N.D.	
56) 2,3,5,6-Tetrachlorophenol	0.000		0		N.D.	
57) 2,3,4,6-Tetrachlorophenol	0.000		0		N.D.	
58) Diethyl phthalate	9.980	149	154		N.D.	
59) 2,3,5-Trimethylnaphtha...	0.000		0		N.D.	
60) Fluorene	0.000		0		N.D.	
61) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
62) 4-Nitroaniline	0.000		0		N.D.	
63) 4,6-Dinitro-2-methylph...	0.000		0		N.D.	
65) N-Nitrosodiphenylamine	0.000		0		N.D.	
66) Azobenzene (1,2-DPH)	0.000		0		N.D.	

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152006.D
 Acq On : 15 Oct 2020 11:13 am
 Operator : JK/ AMS/ DTH
 Sample : 0J15030-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 13:48:28 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

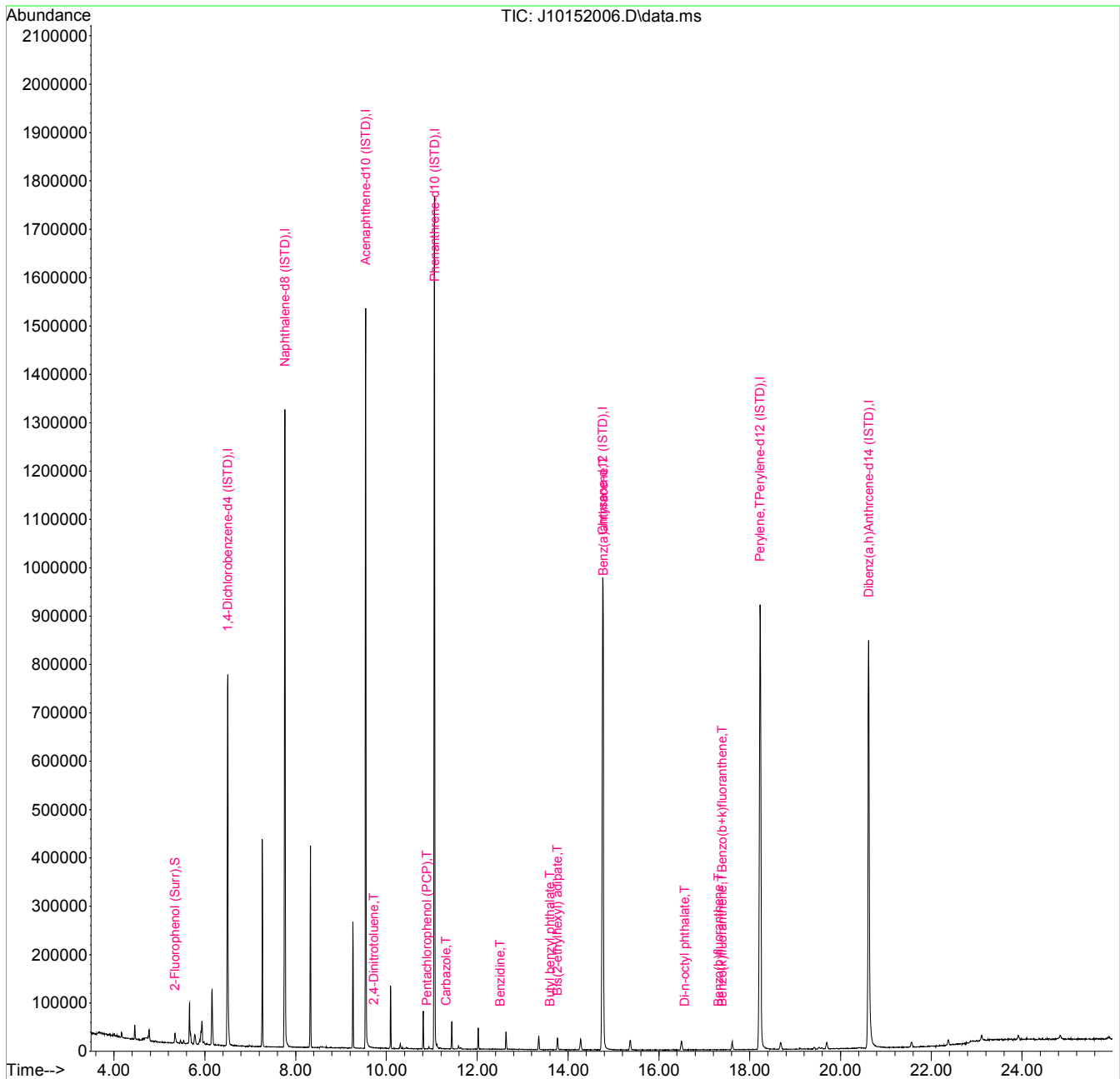
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	10.889	266	74	40.61	ng/ml#	48
71) Phenanthrene	11.087	178	78	N.D.		
72) Anthracene	11.135	178	92	N.D.		
73) Carbazole	11.317	167	123	6.74	ng/ml	61
74) Di-n-butyl phthalate	11.643	149	480	N.D.		
75) Fluoranthene	12.344	202	157	N.D.		
76) Benzidine	12.505	184	72	135.26	ng/ml	67
77) Pyrene	12.617	202	109	N.D.		
80) Butyl benzyl phthalate	13.601	149	142	31.25	ng/ml#	58
81) Bis(2-ethylhexyl) adipate	13.767	129	7045	48.92	ng/ml	97
82) 3,3-Dichlorobenzidine	0.000		0	N.D.		
83) Benz(a)anthracene	14.772	228	2060	4.89	ng/ml	67
84) Chrysene	14.826	228	259	N.D.		
85) Bis(2-ethylhexyl) phth...	14.901	149	203	N.D.		
87) Di-n-octyl phthalate	16.564	149	53	72.20	ng/ml	78
88) Benzo(b)fluoranthene	17.318	252	250	8.75	ng/ml	67
89) Benzo(k)fluoranthene	17.388	252	127	9.42	ng/ml	57
90) Benzo(b+k)fluoranthene	17.388	252	195	16.74	ng/ml	57
91) Benzo(e)pyrene	17.960	252	235	N.D.		
92) Benzo(a)pyrene	0.000		0	N.D.		
93) Perylene	18.228	252	2626	6.97	ng/ml	71
95) Indeno(1,2,3-cd)pyrene	20.613	276	558	N.D.		
96) Dibenz(a,h)anthracene	20.683	278	272	N.D.		
97) Benzo(g,h,i)perylene	21.148	276	134	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
Data File : J10152006.D
Acq On : 15 Oct 2020 11:13 am
Operator : JK/ AMS/ DTH
Sample : 0J15030-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 15 13:48:28 2020
Quant Method : T:\methods\SV10_050120R6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Oct 09 14:58:00 2020
Response via : Initial Calibration



Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

BO2

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4...	6.498	152	209257	2000.00	ng/ml	0.00	
21) Naphthalene-d8 (ISTD)	7.766	136	793998	2000.00	ng/ml	0.00	
35) Acenaphthene-d10 (ISTD)	9.547	162	443943	2000.00	ng/ml	0.00	
64) Phenanthrene-d10 (ISTD)	11.060	188	805467	2000.00	ng/ml	0.00	
78) Chrysene-d12 (ISTD)	14.767	240	887629	2000.00	ng/ml	-0.03	
86) Perylene-d12 (ISTD)	18.233	264	915634	2000.00	ng/ml	-0.03	
94) Dibenz(a,h)Anthrcene-d...	20.624	292	861854	2000.00	ng/ml	-0.03	
System Monitoring Compounds							
4) 2-Fluorophenol (Surr)	5.246	112	262373	2065.39	ng/ml	-0.01	
5) Phenol-d6(Surr)	6.156	99	156615	1047.23	ng/ml	0.00	
19) Nitrobenzene-d5 (Surr)	7.049	82	425431	3606.42	ng/ml	0.00	
40) 2-Fluorobiphenyl (Surr)	8.857	172	969541	2741.36	ng/ml	0.00	
67) 2,4,6-Tribromophenol (...)	10.354	330	240727	3983.04	ng/ml	0.00	
79) Terphenyl-d14 (Surr)	12.831	244	1599044	3711.46	ng/ml	0.01	
Target Compounds							
2) N-Nitrosodimethylamine	0.000		0	N.D.			Qvalue
3) Pyridine	3.925	79	5312m	43.12	ng/ml		
6) Phenol	6.172	94	1358	8.74	ng/ml#		1
7) Aniline	6.220	93	898	5.76	ng/ml		92
8) Bis(2-chloroethyl) ether	6.220	93	898	6.51	ng/ml#		61
9) 2-Chlorophenol	6.300	128	188	N.D.			
10) 1,3-Dichlorobenzene	6.519	146	58	N.D.			
11) 1,4-Dichlorobenzene	6.519	146	58	N.D.			
12) Benzyl alcohol	6.653	108	303	12.68	ng/ml#		1
13) 1,2-Dichlorobenzene	0.000		0	N.D.			
14) 2-Methylphenol	6.744	107	444	4.39	ng/ml#		4
15) 2,2'-Oxybis(1-Chloropr...	6.792	45	336	3.13	ng/ml		81
16) N-Nitrosodi-n-propylamine	6.888	70	611	7.79	ng/ml#		49
17) 3+4-Methylphenol	6.867	107	138	N.D.			
18) Hexachloroethane	0.000		0	N.D.			
20) Nitrobenzene	7.049	77	2066	17.60	ng/ml#		21
22) Isophorone	7.295	82	427	N.D.			
23) 2-Nitrophenol	7.375	139	64	N.D.			
24) 2,4-Dimethylphenol	7.434	122	190	N.D.			
25) Bis(2-chloroethoxy) me...	7.514	93	305	N.D.			

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.509	105	2064	766.06	ng/ml#	47
27) 2,4-Dichlorophenol	7.643	162	98	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.787	128	2389	5.63	ng/ml	84
30) 4-Chloroaniline	7.857	127	97	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	8.295	107	181	N.D.		
33) 2-Methylnaphthalene	8.482	142	9381	32.50	ng/mlB02	96
34) 1-Methylnaphthalene	8.584	142	7044	26.00	ng/mlB02	86
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.782	196	55	11.71	ng/ml#	45
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	8.953	154	2939	7.87	ng/ml	99
41) 2-Chloronaphthalene	8.980	162	100	N.D.		
42) 2-Nitroaniline	9.071	138	59	N.D.		
43) 2,6-Dimethylnaphthalene	9.124	156	4196	15.47	ng/ml	84
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.263	163	576	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	9.333	165	58	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	9.402	152	253	N.D.		
50) 3-Nitroaniline	9.467	138	111	26.35	ng/ml#	17
51) Acenaphthene	9.579	153	615	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.654	139	192	46.26	ng/ml#	1
54) 2,4-Dinitrotoluene	9.734	165	172	28.14	ng/ml#	50
55) Dibenzofuran	9.750	168	466	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	9.975	149	2405	7.95	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	9.964	170	769	3.10	ng/ml#	1
60) Fluorene	10.103	166	309	N.D.		
61) 4-Chlorophenyl phenyl ...	10.098	204	59	N.D.		
62) 4-Nitroaniline	10.103	138	58	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
65) N-Nitrosodiphenylamine	10.221	169	193	N.D.		
66) Azobenzene (1,2-DPH)	10.274	77	670	3.00	ng/ml#	1

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

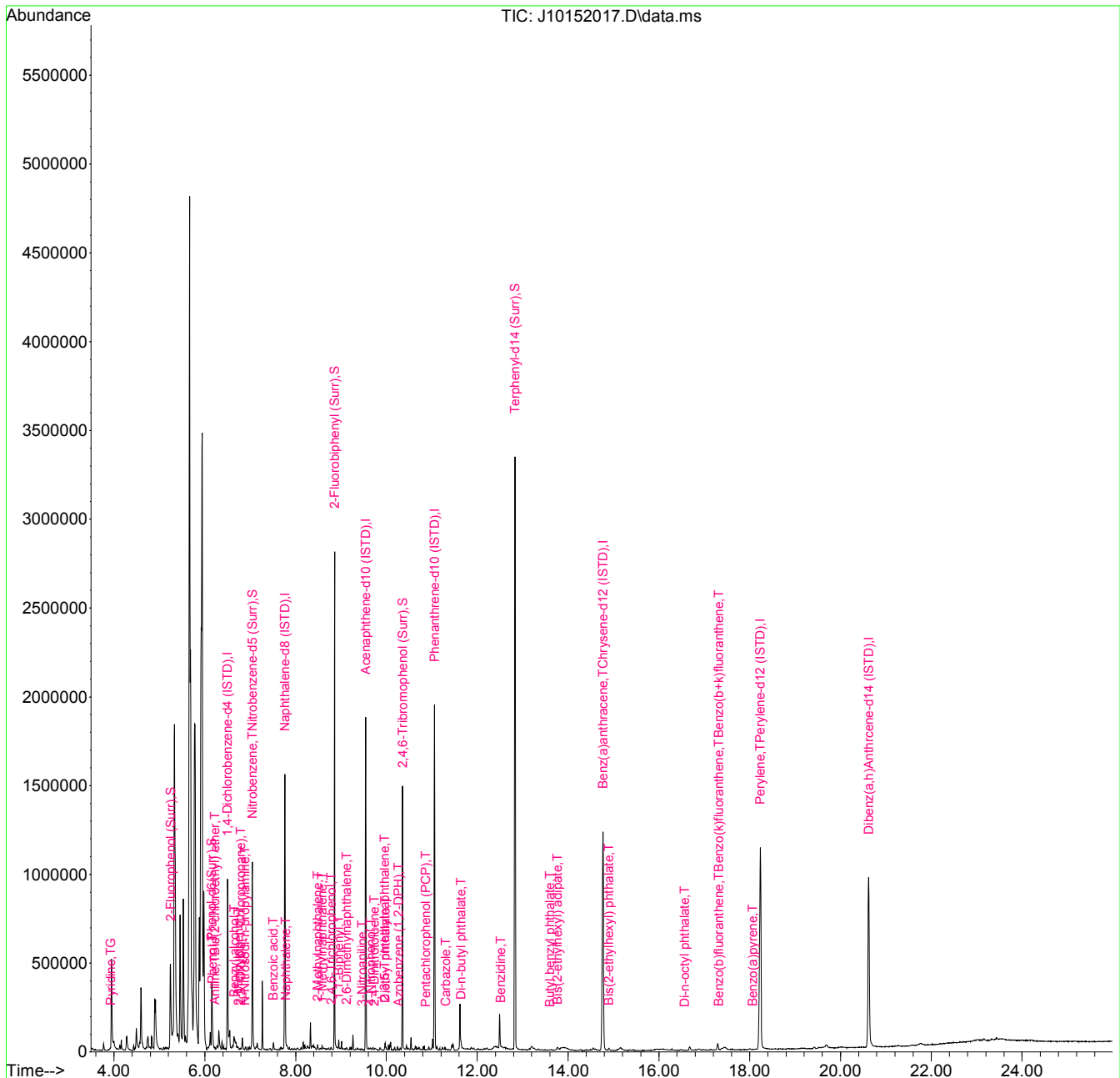
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	10.675	284	65	N.D.		
70) Pentachlorophenol (PCP)	10.868	266	67	40.38	ng/ml#	38
71) Phenanthrene	11.087	178	966	N.D.		
72) Anthracene	11.135	178	211	N.D.		
73) Carbazole	11.312	167	169	6.83	ng/ml	88
74) Di-n-butyl phthalate	11.643	149	7047	15.55	ng/ml	98
75) Fluoranthene	12.339	202	440	N.D.		
76) Benzidine	12.515	184	81	135.29	ng/ml#	1
77) Pyrene	12.628	202	418	N.D.		
80) Butyl benzyl phthalate	13.601	149	1088	36.15	ng/ml	91
81) Bis(2-ethylhexyl) adipate	13.767	129	5130	29.80	ng/ml	89
82) 3,3-Dichlorobenzidine	0.000		0	N.D.		
83) Benz(a)anthracene	14.767	228	2225	4.42	ng/ml	77
84) Chrysene	14.826	228	195	N.D.		
85) Bis(2-ethylhexyl) phth...	14.901	149	6133	22.45	ng/ml	99
87) Di-n-octyl phthalate	16.559	149	68	72.22	ng/ml#	1
88) Benzo(b)fluoranthene	17.324	252	154	8.47	ng/ml#	25
89) Benzo(k)fluoranthene	17.324	252	154	9.43	ng/ml#	25
90) Benzo(b+k)fluoranthene	17.324	252	154	16.59	ng/ml#	25
91) Benzo(e)pyrene	18.072	252	50	N.D.		
92) Benzo(a)pyrene	18.072	252	50	9.42	ng/ml#	45
93) Perylene	18.233	252	3071	6.96	ng/ml	68
95) Indeno(1,2,3-cd)pyrene	20.608	276	500	N.D.		
96) Dibenz(a,h)anthracene	20.618	278	219	N.D.		
97) Benzo(g,h,i)perylene	21.159	276	59	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4...	6.498	152	209257	2000.00	ng/ml	0.00	
21) Naphthalene-d8 (ISTD)	7.766	136	793998	2000.00	ng/ml	0.00	
35) Acenaphthene-d10 (ISTD)	9.547	162	443943	2000.00	ng/ml	0.00	
64) Phenanthrene-d10 (ISTD)	11.060	188	805467	2000.00	ng/ml	0.00	
78) Chrysene-d12 (ISTD)	14.767	240	887629	2000.00	ng/ml	-0.03	
86) Perylene-d12 (ISTD)	18.233	264	915634	2000.00	ng/ml	-0.03	
94) Dibenz(a,h)Anthrcene-d...	20.624	292	861854	2000.00	ng/ml	-0.03	
System Monitoring Compounds							
4) 2-Fluorophenol (Surr)	5.246	112	262373	2065.39	ng/ml	-0.01	
5) Phenol-d6(Surr)	6.156	99	156615	1047.23	ng/ml	0.00	
19) Nitrobenzene-d5 (Surr)	7.049	82	425431	3606.42	ng/ml	0.00	
40) 2-Fluorobiphenyl (Surr)	8.857	172	969541	2741.36	ng/ml	0.00	
67) 2,4,6-Tribromophenol (...)	10.354	330	240727	3983.04	ng/ml	0.00	
79) Terphenyl-d14 (Surr)	12.831	244	1599044	3711.46	ng/ml	0.01	
Target Compounds							
2) N-Nitrosodimethylamine	0.000		0	N.D.			Qvalue
3) Pyridine	3.925	79	5312m	43.12	ng/ml		
6) Phenol	6.172	94	1358	8.74	ng/ml#		1
7) Aniline	6.220	93	898	5.76	ng/ml		92
8) Bis(2-chloroethyl) ether	6.220	93	898	6.51	ng/ml#		61
9) 2-Chlorophenol	6.300	128	188	N.D.			
10) 1,3-Dichlorobenzene	6.519	146	58	N.D.			
11) 1,4-Dichlorobenzene	6.519	146	58	N.D.			
12) Benzyl alcohol	6.653	108	303	12.68	ng/ml#		1
13) 1,2-Dichlorobenzene	0.000		0	N.D.			
14) 2-Methylphenol	6.744	107	444	4.39	ng/ml#		4
15) 2,2'-Oxybis(1-Chloropr...	6.792	45	336	3.13	ng/ml		81
16) N-Nitrosodi-n-propylamine	6.888	70	611	7.79	ng/ml#		49
17) 3+4-Methylphenol	6.867	107	138	N.D.			
18) Hexachloroethane	0.000		0	N.D.			
20) Nitrobenzene	7.049	77	2066	17.60	ng/ml#		21
22) Isophorone	7.295	82	427	N.D.			
23) 2-Nitrophenol	7.375	139	64	N.D.			
24) 2,4-Dimethylphenol	7.434	122	190	N.D.			
25) Bis(2-chloroethoxy) me...	7.514	93	305	N.D.			

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.509	105	2064	766.06	ng/ml#	47
27) 2,4-Dichlorophenol	7.643	162	98	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.787	128	2389	5.63	ng/ml	84
30) 4-Chloroaniline	7.857	127	97	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	8.295	107	181	N.D.		
33) 2-Methylnaphthalene	8.482	142	9381	32.50	ng/ml	96
34) 1-Methylnaphthalene	8.584	142	7044	26.00	ng/ml	86
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.782	196	55	11.71	ng/ml#	45
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	8.953	154	2939	7.87	ng/ml	99
41) 2-Chloronaphthalene	8.980	162	100	N.D.		
42) 2-Nitroaniline	9.071	138	59	N.D.		
43) 2,6-Dimethylnaphthalene	9.124	156	4196	15.47	ng/ml	84
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.263	163	576	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	9.333	165	58	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	9.402	152	253	N.D.		
50) 3-Nitroaniline	9.467	138	111	26.35	ng/ml#	17
51) Acenaphthene	9.579	153	615	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.654	139	192	46.26	ng/ml#	1
54) 2,4-Dinitrotoluene	9.734	165	172	28.14	ng/ml#	50
55) Dibenzofuran	9.750	168	466	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	9.975	149	2405	7.95	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	9.964	170	769	3.10	ng/ml#	1
60) Fluorene	10.103	166	309	N.D.		
61) 4-Chlorophenyl phenyl ...	10.098	204	59	N.D.		
62) 4-Nitroaniline	10.103	138	58	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		
65) N-Nitrosodiphenylamine	10.221	169	193	N.D.		
66) Azobenzene (1,2-DPH)	10.274	77	670	3.00	ng/ml#	1

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

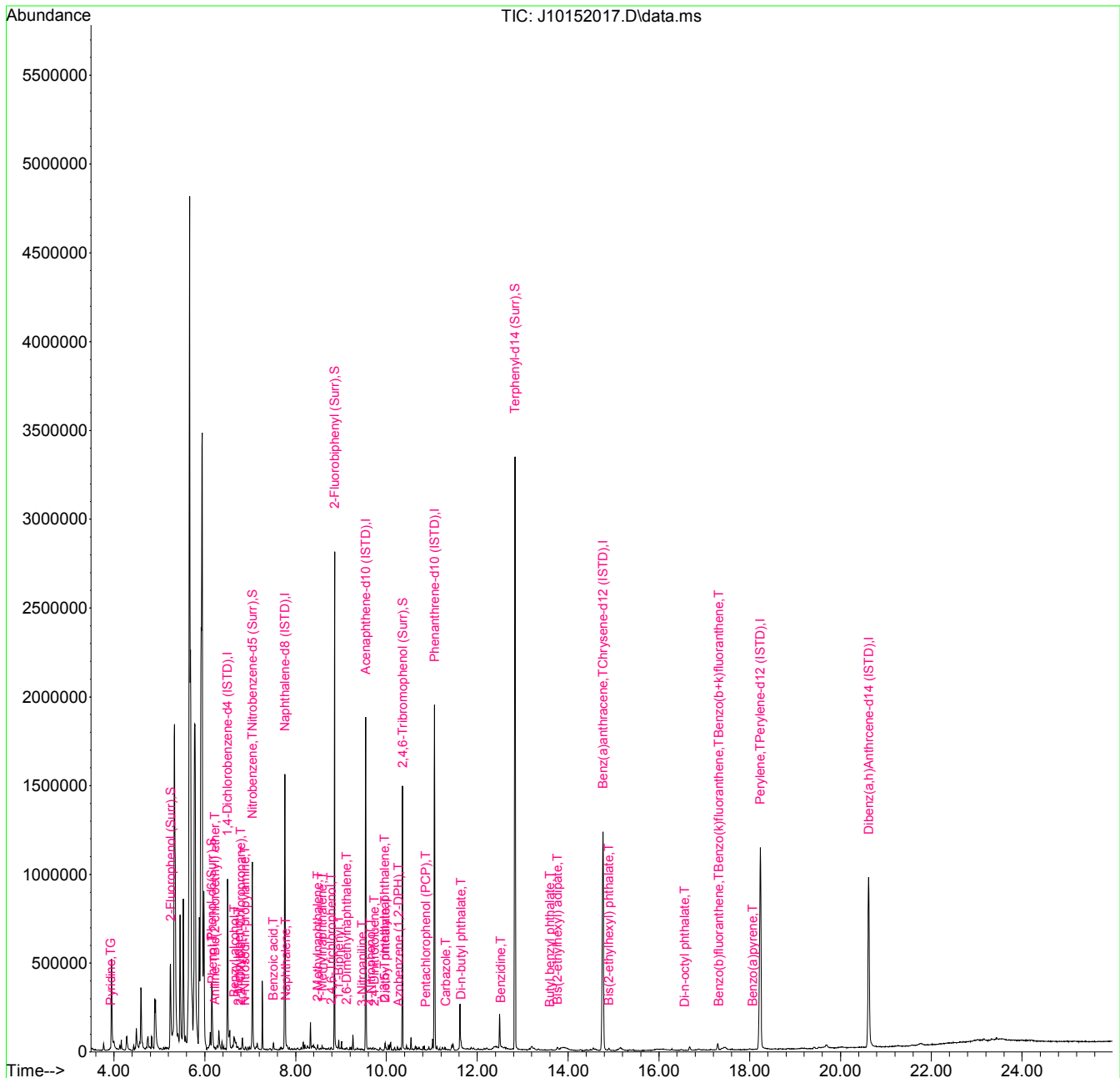
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	10.675	284	65	N.D.		
70) Pentachlorophenol (PCP)	10.868	266	67	40.38	ng/ml#	38
71) Phenanthrene	11.087	178	966	N.D.		
72) Anthracene	11.135	178	211	N.D.		
73) Carbazole	11.312	167	169	6.83	ng/ml	88
74) Di-n-butyl phthalate	11.643	149	7047	15.55	ng/ml	98
75) Fluoranthene	12.339	202	440	N.D.		
76) Benzidine	12.515	184	81	135.29	ng/ml#	1
77) Pyrene	12.628	202	418	N.D.		
80) Butyl benzyl phthalate	13.601	149	1088	36.15	ng/ml	91
81) Bis(2-ethylhexyl) adipate	13.767	129	5130	29.80	ng/ml	89
82) 3,3-Dichlorobenzidine	0.000		0	N.D.		
83) Benz(a)anthracene	14.767	228	2225	4.42	ng/ml	77
84) Chrysene	14.826	228	195	N.D.		
85) Bis(2-ethylhexyl) phth...	14.901	149	6133	22.45	ng/ml	99
87) Di-n-octyl phthalate	16.559	149	68	72.22	ng/ml#	1
88) Benzo(b)fluoranthene	17.324	252	154	8.47	ng/ml#	25
89) Benzo(k)fluoranthene	17.324	252	154	9.43	ng/ml#	25
90) Benzo(b+k)fluoranthene	17.324	252	154	16.59	ng/ml#	25
91) Benzo(e)pyrene	18.072	252	50	N.D.		
92) Benzo(a)pyrene	18.072	252	50	9.42	ng/ml#	45
93) Perylene	18.233	252	3071	6.96	ng/ml	68
95) Indeno(1,2,3-cd)pyrene	20.608	276	500	N.D.		
96) Dibenz(a,h)anthracene	20.618	278	219	N.D.		
97) Benzo(g,h,i)perylene	21.159	276	59	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
Data File : J10152017.D
Acq On : 15 Oct 2020 5:49 pm
Operator : JK/ AMS/ DTH
Sample : 0100503-BLK2
Misc : 1x, 8270E LL PAH/PCP/BEHP
ALS Vial : 14 Sample Multiplier: 1

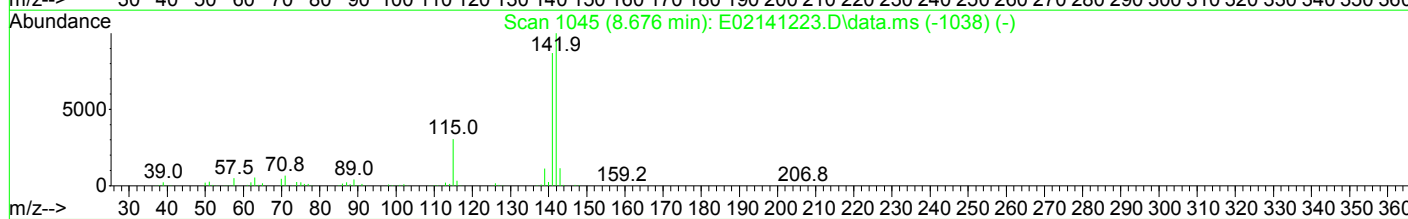
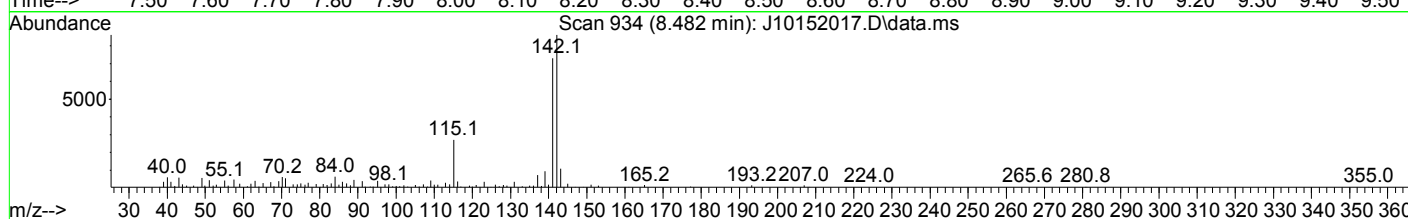
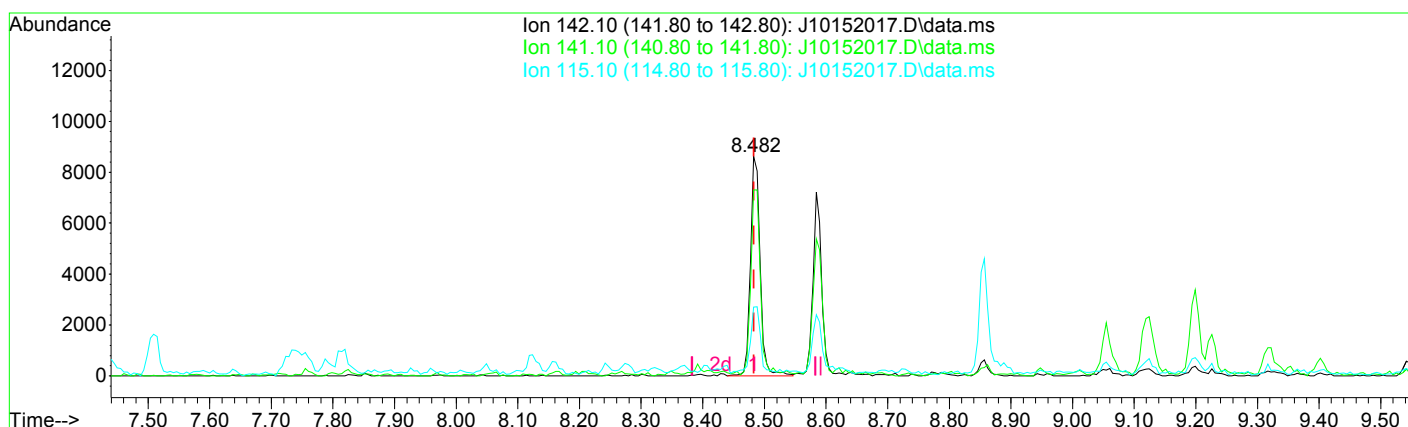
Quant Time: Oct 15 20:10:37 2020
Quant Method : T:\methods\SV10_050120R6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Oct 09 14:58:00 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



TIC: J10152017.D\data.ms

(33) 2-Methylnaphthalene (T)

8.482min (-0.001) 32.50 ng/ml

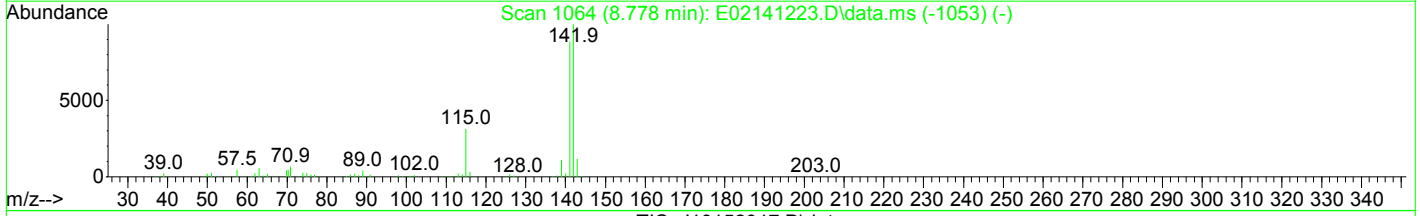
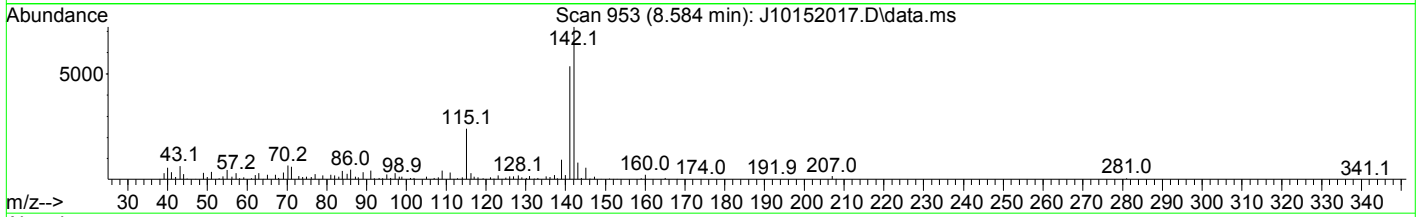
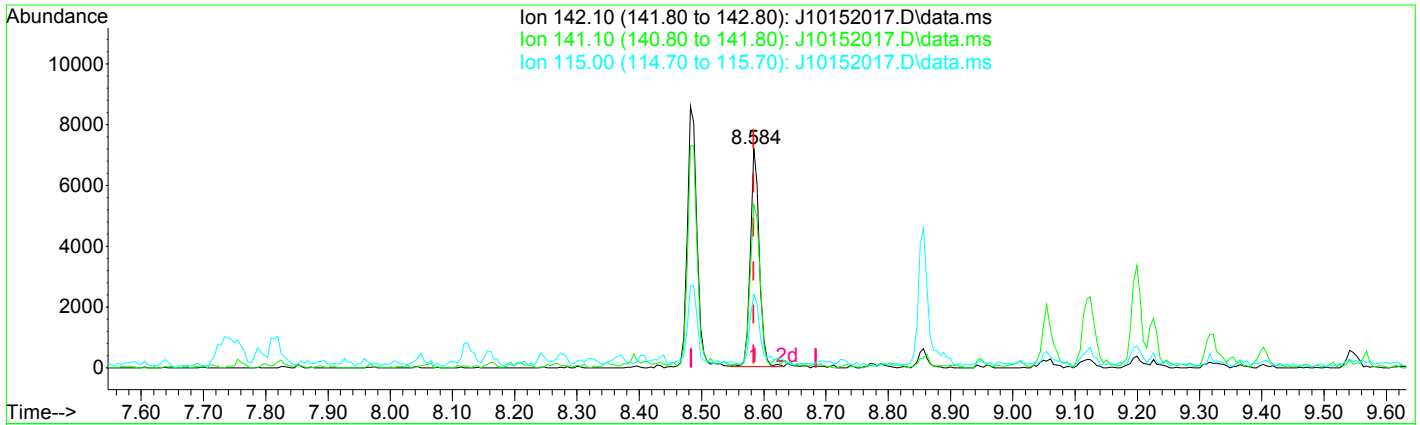
response 9381

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	87.30	84.76
115.10	28.10	31.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152017.D
 Acq On : 15 Oct 2020 5:49 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BLK2
 Misc : 1x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 15 20:10:37 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



TIC: J10152017.D\data.ms

(34) 1-Methylnaphthalene (T)

8.584min (+ 0.000) 26.00 ng/ml

response 7044

Ion	Exp%	Act%
142.10	100.00	100.00
141.10	89.70	74.49
115.00	28.90	33.43
0.00	0.00	0.00

DTH 10/15/20

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152018.D
 Acq On : 15 Oct 2020 6:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BS2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 20:14:05 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.498	152	210358	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.766	136	806511	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.547	162	437288	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.061	188	834892	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	14.778	240	871877	2000.00	ng/ml	-0.02
86) Perylene-d12 (ISTD)	18.244	264	915908	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	20.635	292	893907	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.247	112	137134	1073.86	ng/ml	-0.01
5) Phenol-d6(Surr)	6.156	99	90359	601.04	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.049	82	236341	1993.00	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	8.857	172	582611	1672.39	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.355	330	130505	2153.20	ng/ml	0.00
79) Terphenyl-d14 (Surr)	12.826	244	917890	2168.96	ng/ml	0.00
Target Compounds						
2) N-Nitrosodimethylamine	3.872	74	41895	553.82	ng/ml	88
3) Pyridine	3.942	79	29127	23.51	ng/ml	
6) Phenol	6.172	94	71261	456.43	ng/ml	91
7) Aniline	6.172	93	1466	9.36	ng/ml#	1
8) Bis(2-chloroethyl) ether	6.241	93	171988	1240.51	ng/ml	92
9) 2-Chlorophenol	6.300	128	183560	1296.35	ng/ml	97
10) 1,3-Dichlorobenzene	6.445	146	171381	996.71	ng/ml	98
11) 1,4-Dichlorobenzene	6.520	146	171215	1027.86	ng/ml	100
12) Benzyl alcohol	6.643	108	64916	858.66	ng/ml	96
13) 1,2-Dichlorobenzene	6.669	146	174913	1090.72	ng/ml	98
14) 2-Methylphenol	6.755	107	120467	1184.85	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	6.766	45	147151	1361.60	ng/ml	97
16) N-Nitrosodi-n-propylamine	6.899	70	124798	1582.90	ng/ml	96
17) 3+4-Methylphenol	6.905	107	137868	1081.93	ng/ml	92
18) Hexachloroethane	7.001	201	56759	953.45	ng/ml	97
20) Nitrobenzene	7.065	77	174233	1476.45	ng/ml	95
22) Isophorone	7.300	82	361409	1525.08	ng/ml	96
23) 2-Nitrophenol	7.386	139	112597	1481.65	ng/ml	89
24) 2,4-Dimethylphenol	7.429	122	159656	1383.26	ng/ml	95
25) Bis(2-chloroethoxy) me...	7.514	93	212106	1442.30	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152018.D
 Acq On : 15 Oct 2020 6:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BS2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 20:14:05 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.520	105	63184	1784.81	ng/ml	93
27) 2,4-Dichlorophenol	7.632	162	174127	1496.27	ng/ml	98
28) 1,2,4-Trichlorobenzene	7.712	180	159365	1081.90	ng/ml	98
29) Naphthalene	7.787	128	524659	1217.79	ng/ml	99
30) 4-Chloroaniline	7.857	127	7805	57.36	ng/ml	94
31) Hexachlorobutadiene	7.916	225	90214	997.73	ng/ml	99
32) 4-Chloro-3-methylphenol	8.333	107	164143	1619.35	ng/ml	95
33) 2-Methylnaphthalene	8.483	142	378300	1290.37	ng/ml	97
34) 1-Methylnaphthalene	8.584	142	354342	1287.72	ng/ml	97
36) Hexachlorocyclopentadiene	8.654	237	68687	768.56	ng/ml	97
37) 2,4,6-Trichlorophenol	8.777	196	139783	1541.11	ng/ml	97
38) 2,4,5-Trichlorophenol	8.814	198	138558	1538.08	ng/ml	98
39) 1,1'-Biphenyl	8.959	154	460157	1251.56	ng/ml	99
41) 2-Chloronaphthalene	8.980	162	336372	1177.84	ng/ml	96
42) 2-Nitroaniline	9.082	138	134435	1695.07	ng/ml	86
43) 2,6-Dimethylnaphthalene	9.119	156	327708	1226.61	ng/ml	97
44) 1,4-Dinitrobenzene	9.215	168	67361	1667.35	ng/ml	100
45) Dimethyl phthalate	9.269	163	497674	1580.44	ng/ml	99
46) 1,3-Dinitrobenzene	9.296	168	76521	1644.44	ng/ml	92
47) 2,6-Dinitrotoluene	9.328	165	113130	1592.39	ng/ml	91
48) 1,2-Dinitrobenzene	9.386	168	50672	1544.99	ng/ml	86
49) Acenaphthylene	9.402	152	624502	1472.36	ng/ml	99
50) 3-Nitroaniline	9.499	138	59555	931.30	ng/ml	93
51) Acenaphthene	9.579	153	388581	1356.98	ng/ml	99
52) 2,4-Dinitrophenol	9.606	184	39014	1715.82	ng/ml	93
53) 4-Nitrophenol	9.686	139	25246	571.36	ng/ml	89
54) 2,4-Dinitrotoluene	9.739	165	147382	1599.28	ng/ml	96
55) Dibenzofuran	9.755	168	537260	1356.74	ng/ml	97
56) 2,3,5,6-Tetrachlorophenol	9.841	232	123437	1616.28	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	9.884	232	126595	1568.60	ng/ml	97
58) Diethyl phthalate	9.980	149	479796	1609.54	ng/ml	97
59) 2,3,5-Trimethylnaphtha...	9.969	170	326908	1338.31	ng/ml	94
60) Fluorene	10.103	166	428146	1404.16	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.098	204	210668	1325.89	ng/ml	95
62) 4-Nitroaniline	10.125	138	78216	1664.24	ng/ml	87
63) 4,6-Dinitro-2-methylph...	10.157	198	67008	1541.66	ng/ml	96
65) N-Nitrosodiphenylamine	10.221	169	388997	1533.04	ng/ml	99
66) Azobenzene (1,2-DPH)	10.258	77	351131	1518.77	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152018.D
 Acq On : 15 Oct 2020 6:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BS2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 20:14:05 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

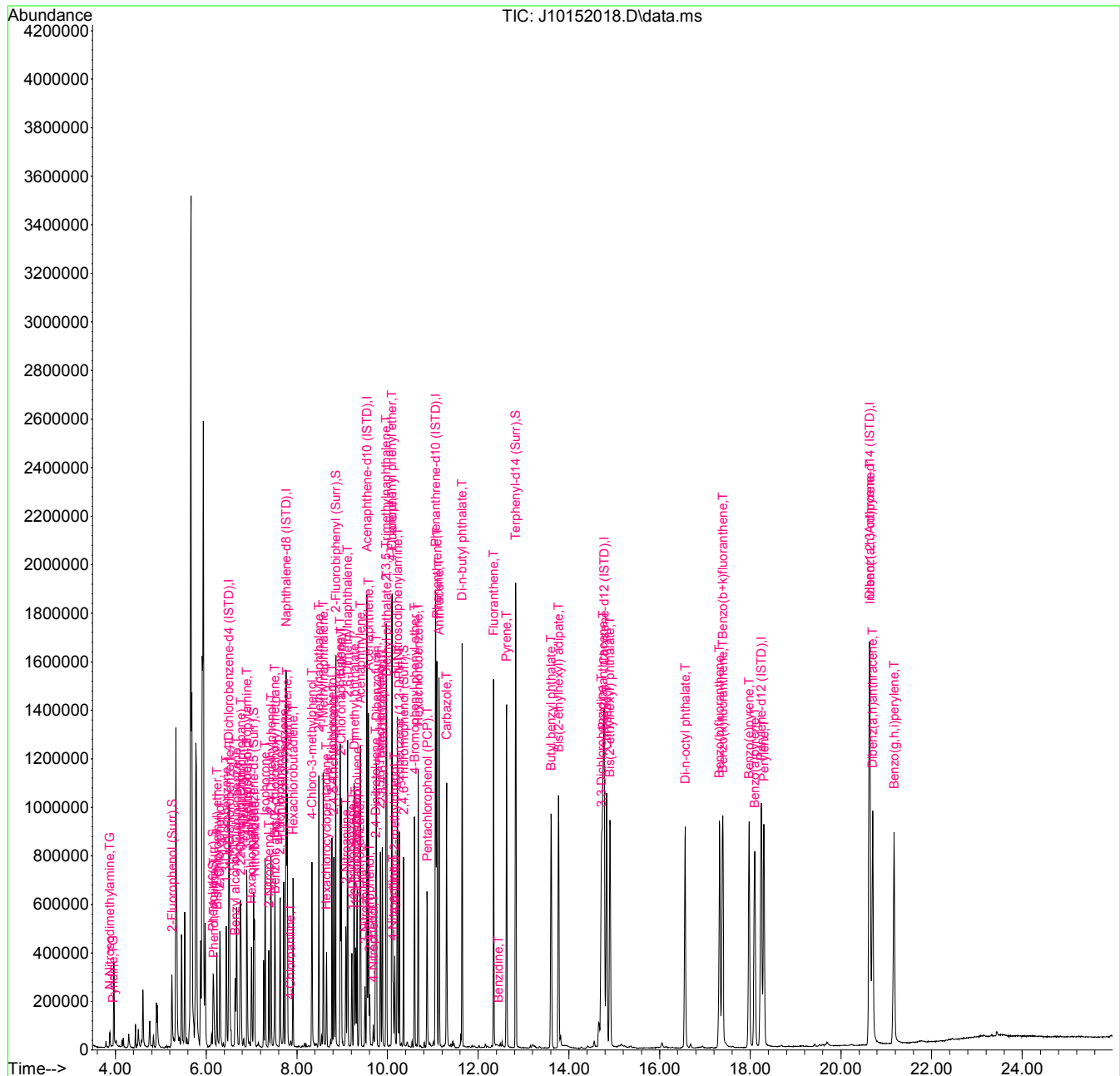
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	10.595	248	149801	1436.16	ng/ml	95
69) Hexachlorobenzene	10.675	284	182496	1365.47	ng/ml	98
70) Pentachlorophenol (PCP)	10.879	266	97442	1668.14	ng/ml	98
71) Phenanthrene	11.087	178	669718	1425.37	ng/ml	99
72) Anthracene	11.135	178	680128	1507.46	ng/ml	99
73) Carbazole	11.301	167	638768	1962.06	ng/ml	99
74) Di-n-butyl phthalate	11.644	149	846996	1803.15	ng/ml	99
75) Fluoranthene	12.344	202	828810	1643.62	ng/ml	97
76) Benzidine	12.446	184	83	135.28	ng/ml	43
77) Pyrene	12.628	202	832681	1649.94	ng/ml	99
80) Butyl benzyl phthalate	13.607	149	388344	2005.54	ng/ml	91
81) Bis(2-ethylhexyl) adipate	13.772	129	349664	2067.63	ng/ml	97
82) 3,3-Dichlorobenzidine	14.719	252	361579	6135.12	ng/ml	98
83) Benz(a)anthracene	14.751	228	823164	1665.07	ng/ml	100
84) Chrysene	14.837	228	764824	1642.46	ng/ml	100
85) Bis(2-ethylhexyl) phth...	14.906	149	534266	1990.60	ng/ml	98
87) Di-n-octyl phthalate	16.564	149	963684	2094.96	ng/ml	99
88) Benzo(b)fluoranthene	17.324	252	878360	1737.79	ng/ml	97
89) Benzo(k)fluoranthene	17.393	252	822560	1633.04	ng/ml	97
90) Benzo(b+k)fluoranthene	17.393	252	1732626	3320.60	ng/ml	97
91) Benzo(e)pyrene	17.976	252	826167	1804.68	ng/ml	98
92) Benzo(a)pyrene	18.099	252	724448	1722.77	ng/ml	98
93) Perylene	18.303	252	754111	1709.12	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	20.640	276	775929	1493.03	ng/ml	90
96) Dibenz(a,h)anthracene	20.704	278	752120	1557.39	ng/ml	91
97) Benzo(g,h,i)perylene	21.175	276	773177	1571.75	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152018.D
 Acq On : 15 Oct 2020 6:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BS2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 20:14:05 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152018.D
 Acq On : 15 Oct 2020 6:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BS2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 20:14:05 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.498	152	210358	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.766	136	806511	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.547	162	437288	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.061	188	834892	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	14.778	240	871877	2000.00	ng/ml	-0.02
86) Perylene-d12 (ISTD)	18.244	264	915908	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	20.635	292	893907	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.247	112	137134	1073.86	ng/ml	-0.01
5) Phenol-d6(Surr)	6.156	99	90359	601.04	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.049	82	236341	1993.00	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	8.857	172	582611	1672.39	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.355	330	130505	2153.20	ng/ml	0.00
79) Terphenyl-d14 (Surr)	12.826	244	917890	2168.96	ng/ml	0.00
Target Compounds						
2) N-Nitrosodimethylamine	3.872	74	41895	553.82	ng/ml	88
3) Pyridine	3.942	79	2912m	23.51	ng/ml	
6) Phenol	6.172	94	71261	456.43	ng/ml	91
7) Aniline	6.172	93	1466	9.36	ng/ml#	1
8) Bis(2-chloroethyl) ether	6.241	93	171988	1240.51	ng/ml	92
9) 2-Chlorophenol	6.300	128	183560	1296.35	ng/ml	97
10) 1,3-Dichlorobenzene	6.445	146	171381	996.71	ng/ml	98
11) 1,4-Dichlorobenzene	6.520	146	171215	1027.86	ng/ml	100
12) Benzyl alcohol	6.643	108	64916	858.66	ng/ml	96
13) 1,2-Dichlorobenzene	6.669	146	174913	1090.72	ng/ml	98
14) 2-Methylphenol	6.755	107	120467	1184.85	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	6.766	45	147151	1361.60	ng/ml	97
16) N-Nitrosodi-n-propylamine	6.899	70	124798	1582.90	ng/ml	96
17) 3+4-Methylphenol	6.905	107	137868	1081.93	ng/ml	92
18) Hexachloroethane	7.001	201	56759	953.45	ng/ml	97
20) Nitrobenzene	7.065	77	174233	1476.45	ng/ml	95
22) Isophorone	7.300	82	361409	1525.08	ng/ml	96
23) 2-Nitrophenol	7.386	139	112597	1481.65	ng/ml	89
24) 2,4-Dimethylphenol	7.429	122	159656	1383.26	ng/ml	95
25) Bis(2-chloroethoxy) me...	7.514	93	212106	1442.30	ng/ml	98

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152018.D
 Acq On : 15 Oct 2020 6:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BS2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 20:14:05 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.520	105	63184	1784.81	ng/ml	93
27) 2,4-Dichlorophenol	7.632	162	174127	1496.27	ng/ml	98
28) 1,2,4-Trichlorobenzene	7.712	180	159365	1081.90	ng/ml	98
29) Naphthalene	7.787	128	524659	1217.79	ng/ml	99
30) 4-Chloroaniline	7.857	127	7805	57.36	ng/ml	94
31) Hexachlorobutadiene	7.916	225	90214	997.73	ng/ml	99
32) 4-Chloro-3-methylphenol	8.333	107	164143	1619.35	ng/ml	95
33) 2-Methylnaphthalene	8.483	142	378300	1290.37	ng/ml	97
34) 1-Methylnaphthalene	8.584	142	354342	1287.72	ng/ml	97
36) Hexachlorocyclopentadiene	8.654	237	68687	768.56	ng/ml	97
37) 2,4,6-Trichlorophenol	8.777	196	139783	1541.11	ng/ml	97
38) 2,4,5-Trichlorophenol	8.814	198	138558	1538.08	ng/ml	98
39) 1,1'-Biphenyl	8.959	154	460157	1251.56	ng/ml	99
41) 2-Chloronaphthalene	8.980	162	336372	1177.84	ng/ml	96
42) 2-Nitroaniline	9.082	138	134435	1695.07	ng/ml	86
43) 2,6-Dimethylnaphthalene	9.119	156	327708	1226.61	ng/ml	97
44) 1,4-Dinitrobenzene	9.215	168	67361	1667.35	ng/ml	100
45) Dimethyl phthalate	9.269	163	497674	1580.44	ng/ml	99
46) 1,3-Dinitrobenzene	9.296	168	76521	1644.44	ng/ml	92
47) 2,6-Dinitrotoluene	9.328	165	113130	1592.39	ng/ml	91
48) 1,2-Dinitrobenzene	9.386	168	50672	1544.99	ng/ml	86
49) Acenaphthylene	9.402	152	624502	1472.36	ng/ml	99
50) 3-Nitroaniline	9.499	138	59555	931.30	ng/ml	93
51) Acenaphthene	9.579	153	388581	1356.98	ng/ml	99
52) 2,4-Dinitrophenol	9.606	184	39014	1715.82	ng/ml	93
53) 4-Nitrophenol	9.686	139	25246	571.36	ng/ml	89
54) 2,4-Dinitrotoluene	9.739	165	147382	1599.28	ng/ml	96
55) Dibenzofuran	9.755	168	537260	1356.74	ng/ml	97
56) 2,3,5,6-Tetrachlorophenol	9.841	232	123437	1616.28	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	9.884	232	126595	1568.60	ng/ml	97
58) Diethyl phthalate	9.980	149	479796	1609.54	ng/ml	97
59) 2,3,5-Trimethylnaphtha...	9.969	170	326908	1338.31	ng/ml	94
60) Fluorene	10.103	166	428146	1404.16	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.098	204	210668	1325.89	ng/ml	95
62) 4-Nitroaniline	10.125	138	78216	1664.24	ng/ml	87
63) 4,6-Dinitro-2-methylph...	10.157	198	67008	1541.66	ng/ml	96
65) N-Nitrosodiphenylamine	10.221	169	388997	1533.04	ng/ml	99
66) Azobenzene (1,2-DPH)	10.258	77	351131	1518.77	ng/ml	98

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152018.D
 Acq On : 15 Oct 2020 6:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BS2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 20:14:05 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

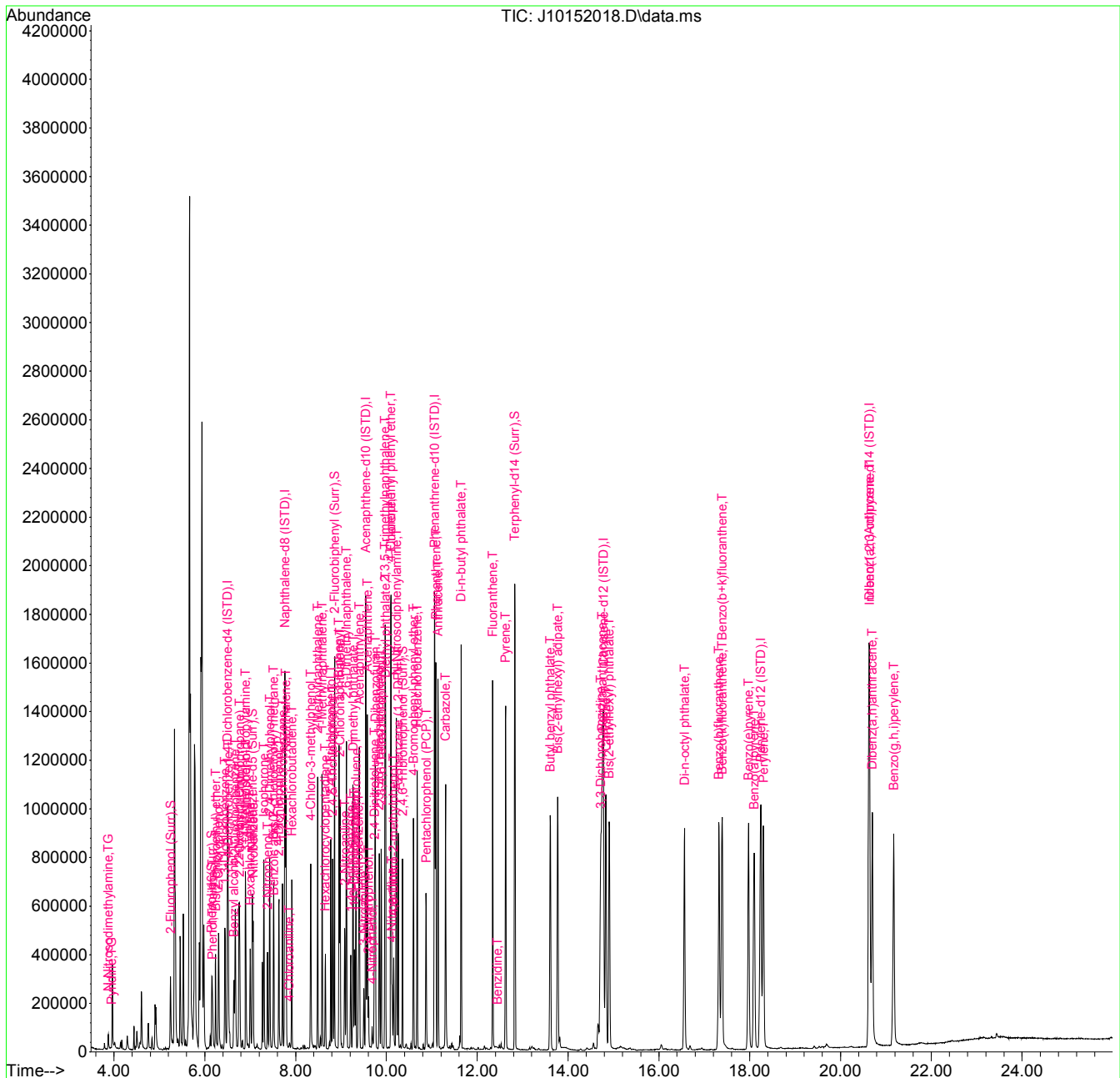
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	10.595	248	149801	1436.16	ng/ml	95
69) Hexachlorobenzene	10.675	284	182496	1365.47	ng/ml	98
70) Pentachlorophenol (PCP)	10.879	266	97442	1668.14	ng/ml	98
71) Phenanthrene	11.087	178	669718	1425.37	ng/ml	99
72) Anthracene	11.135	178	680128	1507.46	ng/ml	99
73) Carbazole	11.301	167	638768	1962.06	ng/ml	99
74) Di-n-butyl phthalate	11.644	149	846996	1803.15	ng/ml	99
75) Fluoranthene	12.344	202	828810	1643.62	ng/ml	97
76) Benzidine	12.446	184	83	135.28	ng/ml	43
77) Pyrene	12.628	202	832681	1649.94	ng/ml	99
80) Butyl benzyl phthalate	13.607	149	388344	2005.54	ng/ml	91
81) Bis(2-ethylhexyl) adipate	13.772	129	349664	2067.63	ng/ml	97
82) 3,3-Dichlorobenzidine	14.719	252	361579	6135.12	ng/ml	98
83) Benz(a)anthracene	14.751	228	823164	1665.07	ng/ml	100
84) Chrysene	14.837	228	764824	1642.46	ng/ml	100
85) Bis(2-ethylhexyl) phth...	14.906	149	534266	1990.60	ng/ml	98
87) Di-n-octyl phthalate	16.564	149	963684	2094.96	ng/ml	99
88) Benzo(b)fluoranthene	17.324	252	878360	1737.79	ng/ml	97
89) Benzo(k)fluoranthene	17.393	252	822560	1633.04	ng/ml	97
90) Benzo(b+k)fluoranthene	17.393	252	1732626	3320.60	ng/ml	97
91) Benzo(e)pyrene	17.976	252	826167	1804.68	ng/ml	98
92) Benzo(a)pyrene	18.099	252	724448	1722.77	ng/ml	98
93) Perylene	18.303	252	754111	1709.12	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	20.640	276	775929	1493.03	ng/ml	90
96) Dibenz(a,h)anthracene	20.704	278	752120	1557.39	ng/ml	91
97) Benzo(g,h,i)perylene	21.175	276	773177	1571.75	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152018.D
 Acq On : 15 Oct 2020 6:25 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BS2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 15 20:14:05 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



Data Path : T:\data\2020-10\0J15030\
 Data File : J10152019.D
 Acq On : 15 Oct 2020 7:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BSD2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 16 Sample Multiplier: 1

Q19

Quant Time: Oct 15 20:16:19 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.504	152	216452	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.766	136	822196	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.547	162	448398	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.061	188	861024	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	14.783	240	897797	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.249	264	937392	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	20.640	292	930146	2000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.252	112	141536	1077.13	ng/ml	0.00
5) Phenol-d6(Surr)	6.156	99	95629	618.18	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.049	82	233402	1912.80	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	8.857	172	586297	1641.27	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.355	330	129479	2074.61	ng/ml	0.00
79) Terphenyl-d14 (Surr)	12.831	244	897539	2059.64	ng/ml	0.01
Target Compounds						
2) N-Nitrosodimethylamine	3.888	74	43555	559.55	ng/ml	92
3) Pyridine	3.947	79	3017m	23.68	ng/ml	
6) Phenol	6.172	94	80359	500.21	ng/ml	92
7) Aniline	6.167	93	1586	9.84	ng/ml#	1
8) Bis(2-chloroethyl) ether	6.241	93	175710	1231.68	ng/ml	92
9) 2-Chlorophenol	6.306	128	192815	1323.38	ng/ml	100
10) 1,3-Dichlorobenzene	6.450	146	158947	898.37	ng/ml	97
11) 1,4-Dichlorobenzene	6.520	146	159950	933.20	ng/ml	98
12) Benzyl alcohol	6.643	108	70429	904.00	ng/ml	91
13) 1,2-Dichlorobenzene	6.669	146	162433	984.38	ng/ml	98
14) 2-Methylphenol	6.755	107	128327	1226.62	ng/ml	97
15) 2,2'-Oxybis(1-Chloropr...	6.771	45	150912	1357.09	ng/ml	100
16) N-Nitrosodi-n-propylamine	6.899	70	126948	1564.84	ng/ml	96
17) 3+4-Methylphenol	6.905	107	147306	1123.45	ng/ml	96
18) Hexachloroethane	7.001	201	52318	854.11	ng/ml	98
20) Nitrobenzene	7.065	77	181326	1493.30	ng/ml	94
22) Isophorone	7.300	82	372800	1543.14	ng/ml	96
23) 2-Nitrophenol	7.386	139	114726	1480.86	ng/ml	89
24) 2,4-Dimethylphenol	7.429	122	164775	1400.37	ng/ml	95
25) Bis(2-chloroethoxy) me...	7.514	93	214947	1433.73	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152019.D
 Acq On : 15 Oct 2020 7:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BSD2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 15 20:16:19 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.525	105	74659	1945.53	ng/ml	93
27) 2,4-Dichlorophenol	7.632	162	180654	1522.74	ng/ml	99
28) 1,2,4-Trichlorobenzene	7.712	180	150430	1001.76	ng/ml	97
29) Naphthalene	7.787	128	518328	1180.14	ng/ml	98
30) 4-Chloroaniline	7.851	127	7398	53.33	ng/ml	93
31) Hexachlorobutadiene	7.916	225	83131	901.86	ng/ml	100
32) 4-Chloro-3-methylphenol	8.333	107	175337	1696.79	ng/ml	96
33) 2-Methylnaphthalene	8.482	142	376948	1261.23	ng/ml	97
34) 1-Methylnaphthalene	8.584	142	354795	1264.77	ng/ml	97
36) Hexachlorocyclopentadiene	8.654	237	69704	760.61	ng/ml	99
37) 2,4,6-Trichlorophenol	8.777	196	145381	1562.75	ng/ml	98
38) 2,4,5-Trichlorophenol	8.814	198	143209	1550.23	ng/ml	99
39) 1,1'-Biphenyl	8.959	154	472912	1254.38	ng/ml	100
41) 2-Chloronaphthalene	8.980	162	345046	1178.28	ng/ml	96
42) 2-Nitroaniline	9.087	138	143816	1768.42	ng/ml	94
43) 2,6-Dimethylnaphthalene	9.119	156	339430	1239.01	ng/ml	98
44) 1,4-Dinitrobenzene	9.215	168	72318	1740.47	ng/ml	96
45) Dimethyl phthalate	9.269	163	514211	1592.49	ng/ml	99
46) 1,3-Dinitrobenzene	9.301	168	79672	1669.74	ng/ml	95
47) 2,6-Dinitrotoluene	9.328	165	116840	1603.86	ng/ml	91
48) 1,2-Dinitrobenzene	9.386	168	54090	1608.35	ng/ml	84
49) Acenaphthylene	9.402	152	642458	1477.16	ng/ml	99
50) 3-Nitroaniline	9.499	138	66959	1031.82	ng/ml	96
51) Acenaphthene	9.579	153	402831	1371.88	ng/ml	99
52) 2,4-Dinitrophenol	9.606	184	41015	1749.27	ng/ml	92
53) 4-Nitrophenol	9.686	139	30572	665.09	ng/ml	89
54) 2,4-Dinitrotoluene	9.739	165	154826	1637.67	ng/ml	93
55) Dibenzofuran	9.755	168	553688	1363.58	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	9.841	232	129307	1649.61	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	9.884	232	128324	1550.97	ng/ml	98
58) Diethyl phthalate	9.980	149	485242	1587.47	ng/ml	97
59) 2,3,5-Trimethylnaphtha...	9.969	170	352308	1406.56	ng/ml	98
60) Fluorene	10.103	166	450613	1441.22	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.098	204	223616	1372.51	ng/ml	97
62) 4-Nitroaniline	10.125	138	89082	1848.48	ng/ml	90
63) 4,6-Dinitro-2-methylph...	10.157	198	71628	1599.00	ng/ml	97
65) N-Nitrosodiphenylamine	10.221	169	398846	1524.15	ng/ml	99
66) Azobenzene (1,2-DPH)	10.258	77	358432	1503.30	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152019.D
 Acq On : 15 Oct 2020 7:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BSD2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 15 20:16:19 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

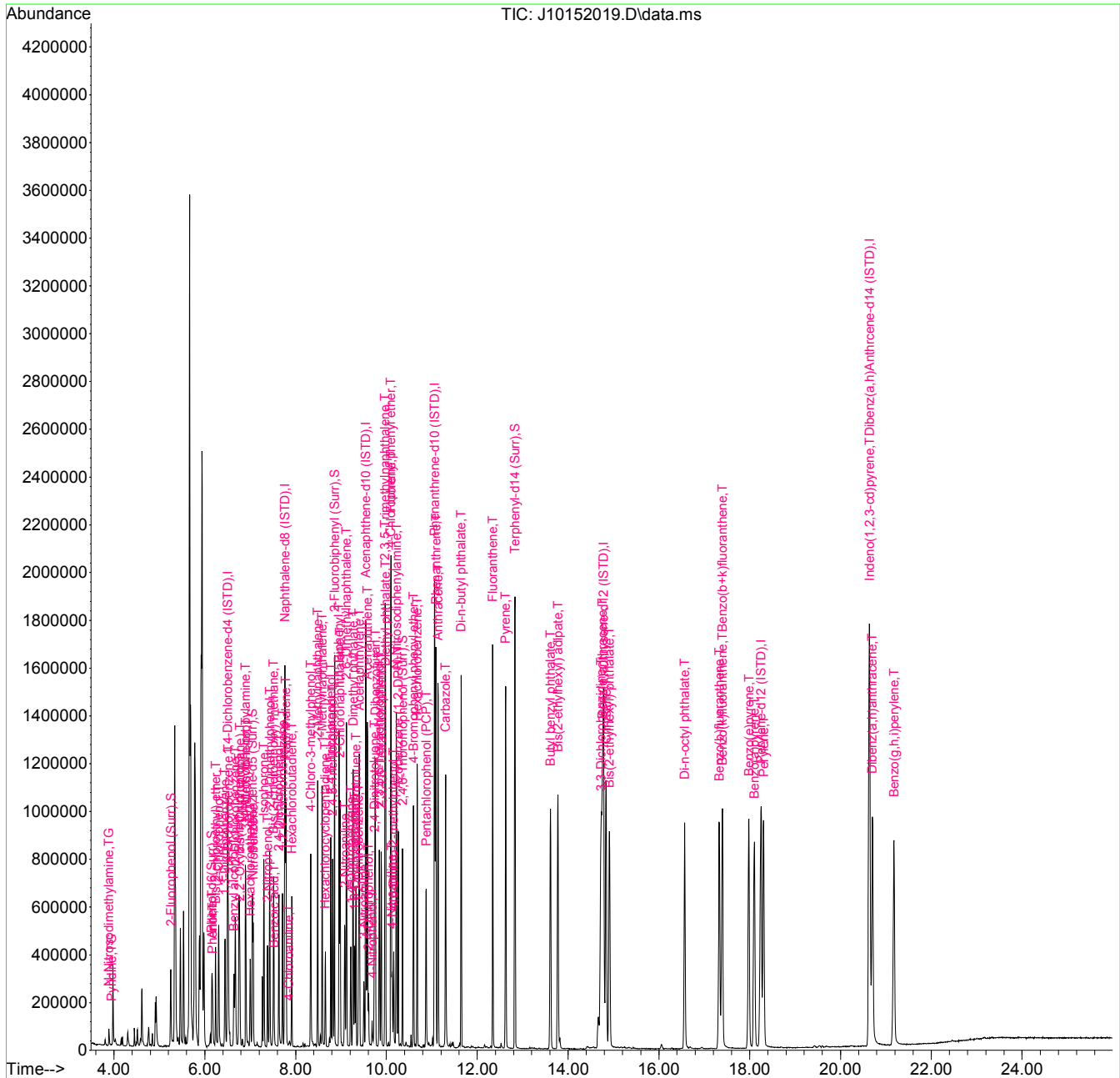
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	10.595	248	158394	1472.46	ng/ml	96
69) Hexachlorobenzene	10.675	284	190657	1383.24	ng/ml	96
70) Pentachlorophenol (PCP)	10.879	266	101378	1681.54	ng/ml	99
71) Phenanthrene	11.087	178	695801	1435.94	ng/ml	99
72) Anthracene	11.135	178	712455	1531.18	ng/ml	99
73) Carbazole	11.301	167	667435	2001.18	ng/ml	99
74) Di-n-butyl phthalate	11.644	149	868260	1792.32	ng/ml	99
75) Fluoranthene	12.344	202	856328	1646.66	ng/ml	97
76) Benzidine	0.000		0	N.D.		
77) Pyrene	12.628	202	879415	1689.65	ng/ml	98
80) Butyl benzyl phthalate	13.612	149	399047	2001.63	ng/ml	92
81) Bis(2-ethylhexyl) adipate	13.778	129	357634	2053.71	ng/ml	98
82) 3,3-Dichlorobenzidine	14.724	252	389595	6452.55	ng/ml	96
83) Benz(a)anthracene	14.756	228	846791	1663.41	ng/ml	100
84) Chrysene	14.842	228	802069	1672.71	ng/ml	100
85) Bis(2-ethylhexyl) phth...	14.912	149	544882	1971.55	ng/ml	96
87) Di-n-octyl phthalate	16.570	149	968789	2061.33	ng/ml	99
88) Benzo(b)fluoranthene	17.334	252	898629	1737.16	ng/ml	97
89) Benzo(k)fluoranthene	17.399	252	852279	1653.32	ng/ml	97
90) Benzo(b+k)fluoranthene	17.399	252	1782963	3338.55	ng/ml	97
91) Benzo(e)pyrene	17.987	252	856401	1827.85	ng/ml	98
92) Benzo(a)pyrene	18.105	252	746565	1734.34	ng/ml	98
93) Perylene	18.308	252	777700	1722.18	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	20.640	276	795719	1471.45	ng/ml	91
96) Dibenz(a,h)anthracene	20.704	278	771478	1535.23	ng/ml	94
97) Benzo(g,h,i)perylene	21.180	276	804513	1571.73	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152019.D
 Acq On : 15 Oct 2020 7:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BSD2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 15 20:16:19 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152019.D
 Acq On : 15 Oct 2020 7:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BSD2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 15 20:16:19 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.504	152	216452	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.766	136	822196	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.547	162	448398	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.061	188	861024	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	14.783	240	897797	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.249	264	937392	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	20.640	292	930146	2000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.252	112	141536	1077.13	ng/ml	0.00
5) Phenol-d6(Surr)	6.156	99	95629	618.18	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.049	82	233402	1912.80	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	8.857	172	586297	1641.27	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.355	330	129479	2074.61	ng/ml	0.00
79) Terphenyl-d14 (Surr)	12.831	244	897539	2059.64	ng/ml	0.01
Target Compounds						
2) N-Nitrosodimethylamine	3.888	74	43555	559.55	ng/ml	92
3) Pyridine	3.947	79	3017m	23.68	ng/ml	
6) Phenol	6.172	94	80359	500.21	ng/ml	92
7) Aniline	6.167	93	1586	9.84	ng/ml#	1
8) Bis(2-chloroethyl) ether	6.241	93	175710	1231.68	ng/ml	92
9) 2-Chlorophenol	6.306	128	192815	1323.38	ng/ml	100
10) 1,3-Dichlorobenzene	6.450	146	158947	898.37	ng/ml	97
11) 1,4-Dichlorobenzene	6.520	146	159950	933.20	ng/ml	98
12) Benzyl alcohol	6.643	108	70429	904.00	ng/ml	91
13) 1,2-Dichlorobenzene	6.669	146	162433	984.38	ng/ml	98
14) 2-Methylphenol	6.755	107	128327	1226.62	ng/ml	97
15) 2,2'-Oxybis(1-Chloropr...	6.771	45	150912	1357.09	ng/ml	100
16) N-Nitrosodi-n-propylamine	6.899	70	126948	1564.84	ng/ml	96
17) 3+4-Methylphenol	6.905	107	147306	1123.45	ng/ml	96
18) Hexachloroethane	7.001	201	52318	854.11	ng/ml	98
20) Nitrobenzene	7.065	77	181326	1493.30	ng/ml	94
22) Isophorone	7.300	82	372800	1543.14	ng/ml	96
23) 2-Nitrophenol	7.386	139	114726	1480.86	ng/ml	89
24) 2,4-Dimethylphenol	7.429	122	164775	1400.37	ng/ml	95
25) Bis(2-chloroethoxy) me...	7.514	93	214947	1433.73	ng/ml	100

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152019.D
 Acq On : 15 Oct 2020 7:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BSD2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 15 20:16:19 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.525	105	74659	1945.53	ng/ml	93
27) 2,4-Dichlorophenol	7.632	162	180654	1522.74	ng/ml	99
28) 1,2,4-Trichlorobenzene	7.712	180	150430	1001.76	ng/ml	97
29) Naphthalene	7.787	128	518328	1180.14	ng/ml	98
30) 4-Chloroaniline	7.851	127	7398	53.33	ng/ml	93
31) Hexachlorobutadiene	7.916	225	83131	901.86	ng/ml	100
32) 4-Chloro-3-methylphenol	8.333	107	175337	1696.79	ng/ml	96
33) 2-Methylnaphthalene	8.482	142	376948	1261.23	ng/ml	97
34) 1-Methylnaphthalene	8.584	142	354795	1264.77	ng/ml	97
36) Hexachlorocyclopentadiene	8.654	237	69704	760.61	ng/ml	99
37) 2,4,6-Trichlorophenol	8.777	196	145381	1562.75	ng/ml	98
38) 2,4,5-Trichlorophenol	8.814	198	143209	1550.23	ng/ml	99
39) 1,1'-Biphenyl	8.959	154	472912	1254.38	ng/ml	100
41) 2-Chloronaphthalene	8.980	162	345046	1178.28	ng/ml	96
42) 2-Nitroaniline	9.087	138	143816	1768.42	ng/ml	94
43) 2,6-Dimethylnaphthalene	9.119	156	339430	1239.01	ng/ml	98
44) 1,4-Dinitrobenzene	9.215	168	72318	1740.47	ng/ml	96
45) Dimethyl phthalate	9.269	163	514211	1592.49	ng/ml	99
46) 1,3-Dinitrobenzene	9.301	168	79672	1669.74	ng/ml	95
47) 2,6-Dinitrotoluene	9.328	165	116840	1603.86	ng/ml	91
48) 1,2-Dinitrobenzene	9.386	168	54090	1608.35	ng/ml	84
49) Acenaphthylene	9.402	152	642458	1477.16	ng/ml	99
50) 3-Nitroaniline	9.499	138	66959	1031.82	ng/ml	96
51) Acenaphthene	9.579	153	402831	1371.88	ng/ml	99
52) 2,4-Dinitrophenol	9.606	184	41015	1749.27	ng/ml	92
53) 4-Nitrophenol	9.686	139	30572	665.09	ng/ml	89
54) 2,4-Dinitrotoluene	9.739	165	154826	1637.67	ng/ml	93
55) Dibenzofuran	9.755	168	553688	1363.58	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	9.841	232	129307	1649.61	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	9.884	232	128324	1550.97	ng/ml	98
58) Diethyl phthalate	9.980	149	485242	1587.47	ng/ml	97
59) 2,3,5-Trimethylnaphtha...	9.969	170	352308	1406.56	ng/ml	98
60) Fluorene	10.103	166	450613	1441.22	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.098	204	223616	1372.51	ng/ml	97
62) 4-Nitroaniline	10.125	138	89082	1848.48	ng/ml	90
63) 4,6-Dinitro-2-methylph...	10.157	198	71628	1599.00	ng/ml	97
65) N-Nitrosodiphenylamine	10.221	169	398846	1524.15	ng/ml	99
66) Azobenzene (1,2-DPH)	10.258	77	358432	1503.30	ng/ml	98

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152019.D
 Acq On : 15 Oct 2020 7:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BSD2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 15 20:16:19 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

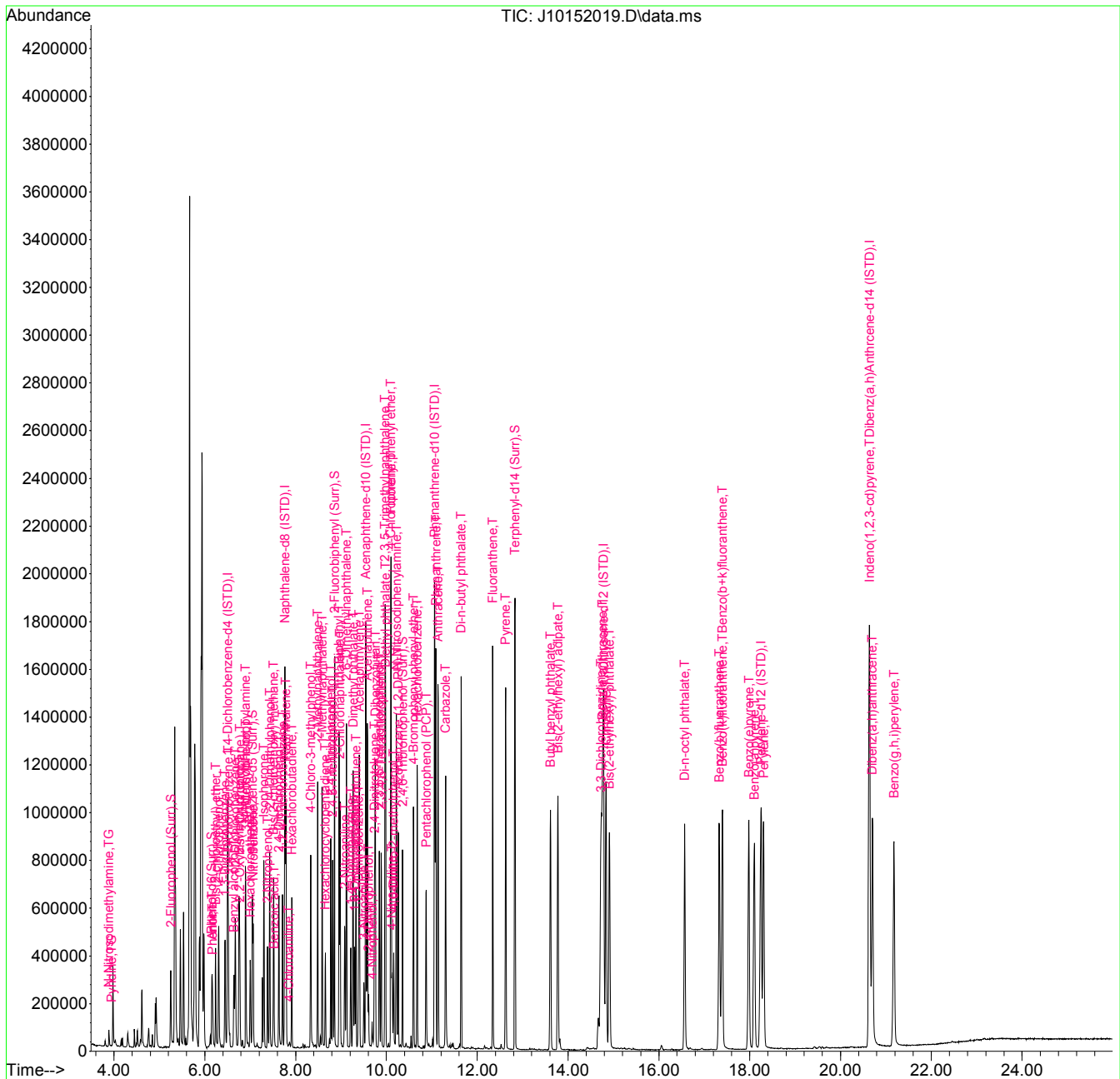
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	10.595	248	158394	1472.46	ng/ml	96
69) Hexachlorobenzene	10.675	284	190657	1383.24	ng/ml	96
70) Pentachlorophenol (PCP)	10.879	266	101378	1681.54	ng/ml	99
71) Phenanthrene	11.087	178	695801	1435.94	ng/ml	99
72) Anthracene	11.135	178	712455	1531.18	ng/ml	99
73) Carbazole	11.301	167	667435	2001.18	ng/ml	99
74) Di-n-butyl phthalate	11.644	149	868260	1792.32	ng/ml	99
75) Fluoranthene	12.344	202	856328	1646.66	ng/ml	97
76) Benzidine	0.000		0	N.D.		
77) Pyrene	12.628	202	879415	1689.65	ng/ml	98
80) Butyl benzyl phthalate	13.612	149	399047	2001.63	ng/ml	92
81) Bis(2-ethylhexyl) adipate	13.778	129	357634	2053.71	ng/ml	98
82) 3,3-Dichlorobenzidine	14.724	252	389595	6452.55	ng/ml	96
83) Benz(a)anthracene	14.756	228	846791	1663.41	ng/ml	100
84) Chrysene	14.842	228	802069	1672.71	ng/ml	100
85) Bis(2-ethylhexyl) phth...	14.912	149	544882	1971.55	ng/ml	96
87) Di-n-octyl phthalate	16.570	149	968789	2061.33	ng/ml	99
88) Benzo(b)fluoranthene	17.334	252	898629	1737.16	ng/ml	97
89) Benzo(k)fluoranthene	17.399	252	852279	1653.32	ng/ml	97
90) Benzo(b+k)fluoranthene	17.399	252	1782963	3338.55	ng/ml	97
91) Benzo(e)pyrene	17.987	252	856401	1827.85	ng/ml	98
92) Benzo(a)pyrene	18.105	252	746565	1734.34	ng/ml	98
93) Perylene	18.308	252	777700	1722.18	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	20.640	276	795719	1471.45	ng/ml	91
96) Dibenz(a,h)anthracene	20.704	278	771478	1535.23	ng/ml	94
97) Benzo(g,h,i)perylene	21.180	276	804513	1571.73	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152019.D
 Acq On : 15 Oct 2020 7:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0100503-BSD2@2
 Misc : 2x, 8270E LL PAH/PCP/BEHP
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 15 20:16:19 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.498	152	210943	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.766	136	814745	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.547	162	437929	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.066	188	807541	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	14.778	240	902409	2000.00	ng/ml	-0.02
86) Perylene-d12 (ISTD)	18.238	264	953912	2000.00	ng/ml	-0.03
94) Dibenz(a,h)Anthrcene-d...	20.635	292	932419	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.247	112	151103	1179.97	ng/ml	-0.01
5) Phenol-d6(Surr)	6.156	99	105082	697.03	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.049	82	284590	2393.22	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	8.857	172	690459	1979.07	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.355	330	201065	3354.81	ng/ml	0.00
79) Terphenyl-d14 (Surr)	12.836	244	1268547	2896.14	ng/ml	0.02
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		Qvalue
3) Pyridine	3.947	79	4446m	35.80	ng/ml	
6) Phenol	6.172	94	154577	987.32	ng/ml	90
7) Aniline	6.172	93	3119	19.86	ng/ml#	1
8) Bis(2-chloroethyl) ether	6.220	93	732	5.27	ng/ml#	39
9) 2-Chlorophenol	6.306	128	285	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	6.643	108	18367	251.66	ng/ml	93
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	6.755	107	11866	116.38	ng/ml	94
15) 2,2'-Oxybis(1-Chloropr...	6.771	45	279	2.57	ng/ml#	1
16) N-Nitrosodi-n-propylamine	6.883	70	10558	133.54	ng/ml#	42
17) 3+4-Methylphenol	6.905	107	36330	284.31	ng/ml#	77
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.028	77	6646	56.16	ng/ml#	30
22) Isophorone	7.300	82	2784	11.63	ng/ml	91
23) 2-Nitrophenol	7.386	139	2182	28.42	ng/ml	55
24) 2,4-Dimethylphenol	7.429	122	5555	47.64	ng/ml	87
25) Bis(2-chloroethoxy) me...	7.509	93	185	N.D.		

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.472	105	576	739.60	ng/ml#	60
27) 2,4-Dichlorophenol	7.637	162	294	2.50	ng/ml#	1
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.787	128	10127	23.27	ng/ml	96
30) 4-Chloroaniline	7.830	127	107	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	8.338	107	11403	111.36	ng/ml	60
33) 2-Methylnaphthalene	8.483	142	1593	5.38	ng/ml#	75
34) 1-Methylnaphthalene	8.584	142	1582	5.69	ng/ml#	55
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.782	196	163	12.91	ng/ml	86
38) 2,4,5-Trichlorophenol	8.825	198	210	12.73	ng/ml#	1
39) 1,1'-Biphenyl	8.959	154	2841	7.72	ng/ml	86
41) 2-Chloronaphthalene	8.975	162	119	N.D.		
42) 2-Nitroaniline	9.087	138	614	7.73	ng/ml#	1
43) 2,6-Dimethylnaphthalene	9.130	156	770	2.88	ng/ml#	1
44) 1,4-Dinitrobenzene	9.231	168	412	42.27	ng/ml#	27
45) Dimethyl phthalate	9.263	163	11472	36.38	ng/ml	79
46) 1,3-Dinitrobenzene	9.296	168	275	5.90	ng/ml#	1
47) 2,6-Dinitrotoluene	9.312	165	3355	47.16	ng/ml	86
48) 1,2-Dinitrobenzene	9.365	168	292	8.89	ng/ml#	1
49) Acenaphthylene	9.402	152	375	N.D.		
50) 3-Nitroaniline	9.526	138	2543	59.60	ng/ml#	22
51) Acenaphthene	9.579	153	1622	5.66	ng/ml	85
52) 2,4-Dinitrophenol	9.632	184	1371	241.57	ng/ml#	1
53) 4-Nitrophenol	9.659	139	789	59.03	ng/ml#	1
54) 2,4-Dinitrotoluene	9.729	165	1184	38.98	ng/ml#	46
55) Dibenzofuran	9.756	168	1586	4.00	ng/ml#	1
56) 2,3,5,6-Tetrachlorophenol	9.846	232	273	38.82	ng/ml#	1
57) 2,3,4,6-Tetrachlorophenol	9.895	232	296	32.78	ng/ml#	1
58) Diethyl phthalate	9.980	149	78197	261.94	ng/ml	97
59) 2,3,5-Trimethylnaphtha...	9.975	170	340	N.D.		
60) Fluorene	10.103	166	2656	8.70	ng/ml	87
61) 4-Chlorophenyl phenyl ...	10.098	204	74	N.D.		
62) 4-Nitroaniline	10.103	138	1501	31.89	ng/ml	66
63) 4,6-Dinitro-2-methylph...	10.157	198	420	145.59	ng/ml#	1
65) N-Nitrosodiphenylamine	10.237	169	361	N.D.		
66) Azobenzene (1,2-DPH)	10.248	77	1040	4.65	ng/ml#	44

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

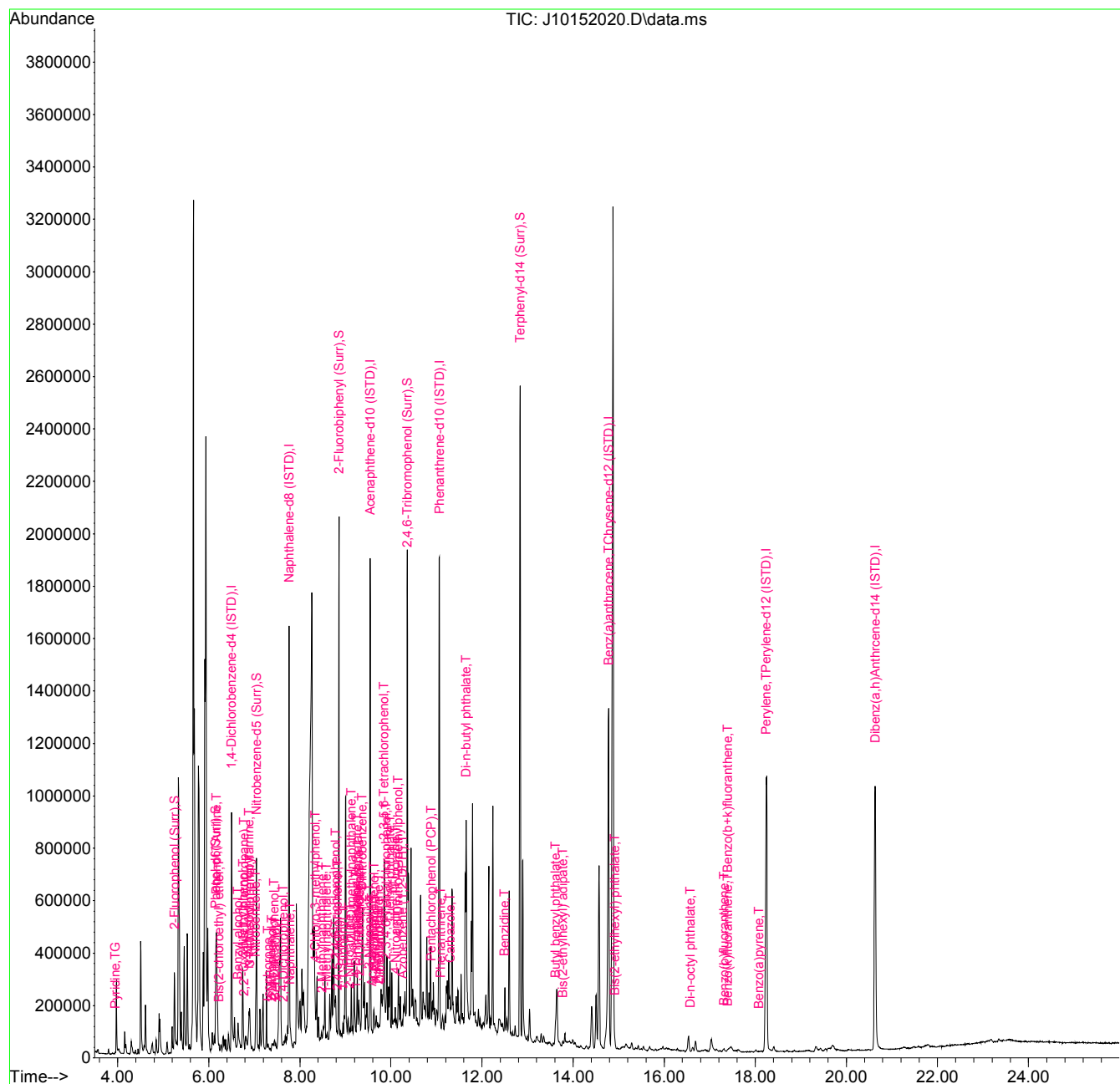
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	10.884	266	611	50.49	ng/ml#	67
71) Phenanthrene	11.087	178	6908	15.20	ng/ml	90
72) Anthracene	11.135	178	743	N.D.		
73) Carbazole	11.301	167	3431	14.57	ng/ml	65
74) Di-n-butyl phthalate	11.649	149	343782	756.66	ng/ml	99
75) Fluoranthene	12.344	202	1209	N.D.		
76) Benzidine	12.494	184	276	136.36	ng/ml#	1
77) Pyrene	12.628	202	737	N.D.		
80) Butyl benzyl phthalate	13.612	149	24947	160.65	ng/ml	93
81) Bis(2-ethylhexyl) adipate	13.772	129	5686	32.48	ng/ml	87
82) 3,3-Dichlorobenzidine	14.735	252	105	Below Cal	#	1
83) Benz(a)anthracene	14.778	228	2658	5.19	ng/ml	72
84) Chrysene	14.837	228	230	N.D.		
85) Bis(2-ethylhexyl) phth...	14.917	149	10381	37.37	ng/ml	99
87) Di-n-octyl phthalate	16.580	149	205	72.51	ng/ml#	1
88) Benzo(b)fluoranthene	17.313	252	204	8.55	ng/ml#	43
89) Benzo(k)fluoranthene	17.388	252	157	9.43	ng/ml#	1
90) Benzo(b+k)fluoranthene	17.388	252	256	16.77	ng/ml#	1
91) Benzo(e)pyrene	17.971	252	211	N.D.		
92) Benzo(a)pyrene	18.083	252	236	9.85	ng/ml#	33
93) Perylene	18.238	252	3683	8.01	ng/ml	68
95) Indeno(1,2,3-cd)pyrene	20.629	276	305	N.D.		
96) Dibenz(a,h)anthracene	20.704	278	143	N.D.		
97) Benzo(g,h,i)perylene	21.164	276	211	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4...	6.498	152	210943	2000.00	ng/ml	0.00	
21) Naphthalene-d8 (ISTD)	7.766	136	814745	2000.00	ng/ml	0.00	
35) Acenaphthene-d10 (ISTD)	9.547	162	437929	2000.00	ng/ml	0.00	
64) Phenanthrene-d10 (ISTD)	11.066	188	807541	2000.00	ng/ml	0.00	
78) Chrysene-d12 (ISTD)	14.778	240	902409	2000.00	ng/ml	-0.02	
86) Perylene-d12 (ISTD)	18.238	264	953912	2000.00	ng/ml	-0.03	
94) Dibenz(a,h)Anthrcene-d...	20.635	292	932419	2000.00	ng/ml	-0.02	
System Monitoring Compounds							
4) 2-Fluorophenol (Surr)	5.247	112	151103	1179.97	ng/ml	-0.01	
5) Phenol-d6(Surr)	6.156	99	105082	697.03	ng/ml	0.00	
19) Nitrobenzene-d5 (Surr)	7.049	82	284590	2393.22	ng/ml	0.00	
40) 2-Fluorobiphenyl (Surr)	8.857	172	690459	1979.07	ng/ml	0.00	
67) 2,4,6-Tribromophenol (...)	10.355	330	201065	3354.81	ng/ml	0.00	
79) Terphenyl-d14 (Surr)	12.836	244	1268547	2896.14	ng/ml	0.02	
Target Compounds							
2) N-Nitrosodimethylamine	0.000		0	N.D.			Qvalue
3) Pyridine	3.947	79	4446m	35.80	ng/ml		
6) Phenol	6.172	94	154577	987.32	ng/ml	90	
7) Aniline	6.172	93	3119	19.86	ng/ml#	1	
8) Bis(2-chloroethyl) ether	6.220	93	732	5.27	ng/ml#	39	
9) 2-Chlorophenol	6.306	128	285	N.D.			
10) 1,3-Dichlorobenzene	0.000		0	N.D.			
11) 1,4-Dichlorobenzene	0.000		0	N.D.			
12) Benzyl alcohol	6.643	108	18367	251.66	ng/ml	93	
13) 1,2-Dichlorobenzene	0.000		0	N.D.			
14) 2-Methylphenol	6.755	107	11866	116.38	ng/ml	94	
15) 2,2'-Oxybis(1-Chloropr...	6.771	45	279	2.57	ng/ml#	1	
16) N-Nitrosodi-n-propylamine	6.883	70	10558	133.54	ng/ml#	42	
17) 3+4-Methylphenol	6.905	107	36330	284.31	ng/ml#	77	
18) Hexachloroethane	0.000		0	N.D.			
20) Nitrobenzene	7.028	77	6646	56.16	ng/ml#	30	
22) Isophorone	7.300	82	2784	11.63	ng/ml	91	
23) 2-Nitrophenol	7.386	139	2182	28.42	ng/ml	55	
24) 2,4-Dimethylphenol	7.429	122	5555	47.64	ng/ml	87	
25) Bis(2-chloroethoxy) me...	7.509	93	185	N.D.			

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Benzoic acid	7.472	105	576	739.60	ng/ml#	60
27) 2,4-Dichlorophenol	7.637	162	294	2.50	ng/ml#	1
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.787	128	10127	23.27	ng/ml	96
30) 4-Chloroaniline	7.830	127	107	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	8.338	107	11403	111.36	ng/ml	60
33) 2-Methylnaphthalene	8.483	142	1593	5.38	ng/ml#	75
34) 1-Methylnaphthalene	8.584	142	1582	5.69	ng/ml#	55
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.782	196	163	12.91	ng/ml	86
38) 2,4,5-Trichlorophenol	8.825	198	210	12.73	ng/ml#	1
39) 1,1'-Biphenyl	8.959	154	2841	7.72	ng/ml	86
41) 2-Chloronaphthalene	8.975	162	119	N.D.		
42) 2-Nitroaniline	9.087	138	614	7.73	ng/ml#	1
43) 2,6-Dimethylnaphthalene	9.130	156	770	2.88	ng/ml#	1
44) 1,4-Dinitrobenzene	9.231	168	412	42.27	ng/ml#	27
45) Dimethyl phthalate	9.263	163	11472	36.38	ng/ml	79
46) 1,3-Dinitrobenzene	9.296	168	275	5.90	ng/ml#	1
47) 2,6-Dinitrotoluene	9.312	165	3355	47.16	ng/ml	86
48) 1,2-Dinitrobenzene	9.365	168	292	8.89	ng/ml#	1
49) Acenaphthylene	9.402	152	375	N.D.		
50) 3-Nitroaniline	9.526	138	2543	59.60	ng/ml#	22
51) Acenaphthene	9.579	153	1622	5.66	ng/ml	85
52) 2,4-Dinitrophenol	9.632	184	1371	241.57	ng/ml#	1
53) 4-Nitrophenol	9.659	139	789	59.03	ng/ml#	1
54) 2,4-Dinitrotoluene	9.729	165	1184	38.98	ng/ml#	46
55) Dibenzofuran	9.756	168	1586	4.00	ng/ml#	1
56) 2,3,5,6-Tetrachlorophenol	9.846	232	273	38.82	ng/ml#	1
57) 2,3,4,6-Tetrachlorophenol	9.895	232	296	32.78	ng/ml#	1
58) Diethyl phthalate	9.980	149	78197	261.94	ng/ml	97
59) 2,3,5-Trimethylnaphtha...	9.975	170	340	N.D.		
60) Fluorene	10.103	166	2656	8.70	ng/ml	87
61) 4-Chlorophenyl phenyl ...	10.098	204	74	N.D.		
62) 4-Nitroaniline	10.103	138	1501	31.89	ng/ml	66
63) 4,6-Dinitro-2-methylph...	10.157	198	420	145.59	ng/ml#	1
65) N-Nitrosodiphenylamine	10.237	169	361	N.D.		
66) Azobenzene (1,2-DPH)	10.248	77	1040	4.65	ng/ml#	44

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration

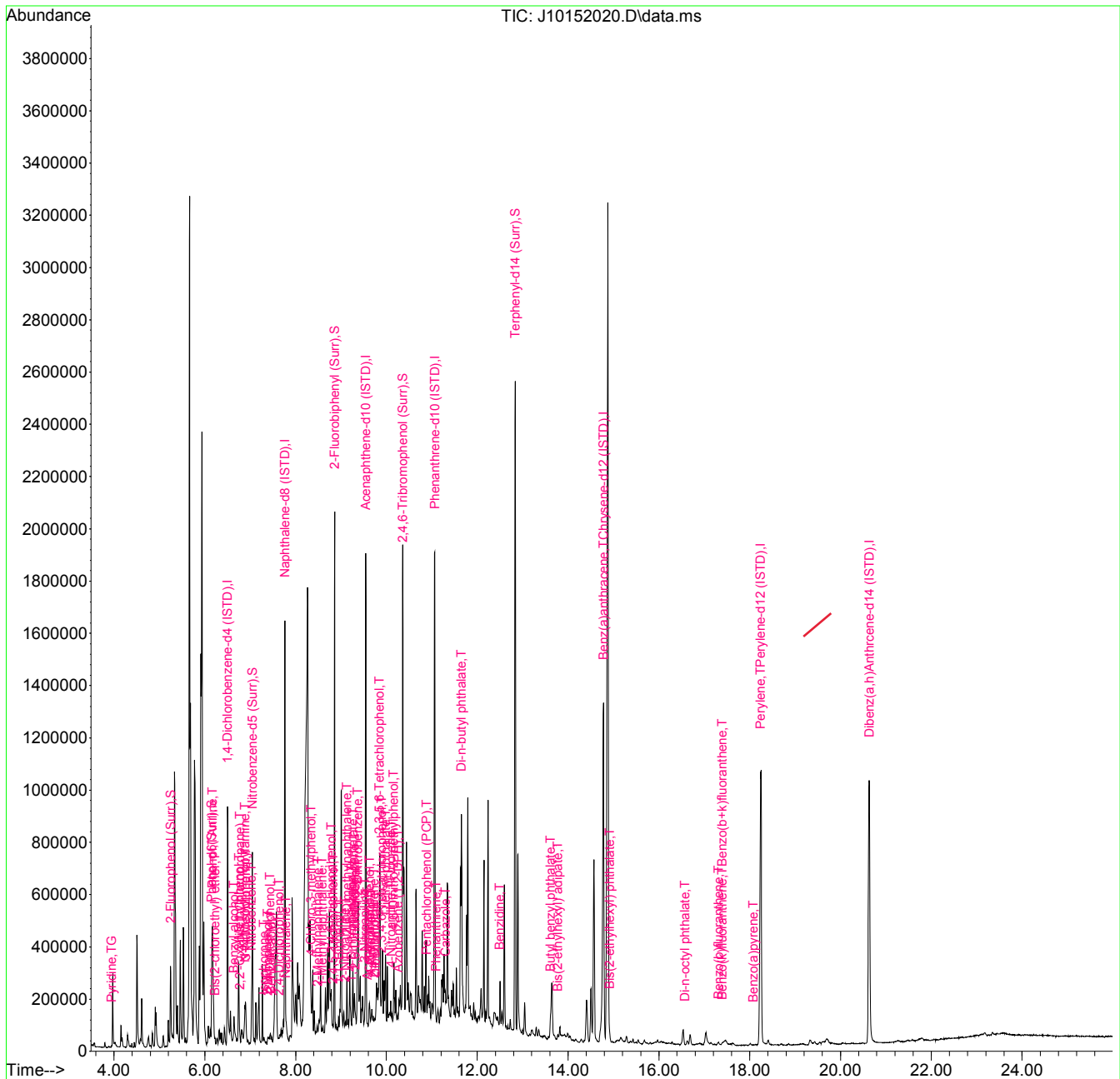
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	10.884	266	611	50.49	ng/ml#	67
71) Phenanthrene	11.087	178	6908	15.20	ng/ml	90
72) Anthracene	11.135	178	743	N.D.		
73) Carbazole	11.301	167	3431	14.57	ng/ml	65
74) Di-n-butyl phthalate	11.649	149	343782	756.66	ng/ml	99
75) Fluoranthene	12.344	202	1209	N.D.		
76) Benzidine	12.494	184	276	136.36	ng/ml#	1
77) Pyrene	12.628	202	737	N.D.		
80) Butyl benzyl phthalate	13.612	149	24947	160.65	ng/ml	93
81) Bis(2-ethylhexyl) adipate	13.772	129	5686	32.48	ng/ml	87
82) 3,3-Dichlorobenzidine	14.735	252	105	Below Cal	#	1
83) Benz(a)anthracene	14.778	228	2658	5.19	ng/ml	72
84) Chrysene	14.837	228	230	N.D.		
85) Bis(2-ethylhexyl) phth...	14.917	149	10381	37.37	ng/ml	99
87) Di-n-octyl phthalate	16.580	149	205	72.51	ng/ml#	1
88) Benzo(b)fluoranthene	17.313	252	204	8.55	ng/ml#	43
89) Benzo(k)fluoranthene	17.388	252	157	9.43	ng/ml#	1
90) Benzo(b+k)fluoranthene	17.388	252	256	16.77	ng/ml#	1
91) Benzo(e)pyrene	17.971	252	211	N.D.		
92) Benzo(a)pyrene	18.083	252	236	9.85	ng/ml#	33
93) Perylene	18.238	252	3683	8.01	ng/ml	68
95) Indeno(1,2,3-cd)pyrene	20.629	276	305	N.D.		
96) Dibenz(a,h)anthracene	20.704	278	143	N.D.		
97) Benzo(g,h,i)perylene	21.164	276	211	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2020-10\0J15030\
Data File : J10152020.D
Acq On : 15 Oct 2020 7:36 pm
Operator : JK/ AMS/ DTH
Sample : A0J0472-01
Misc : 1x, 8270E LL PAH/BEHP
ALS Vial : 17 Sample Multiplier: 1

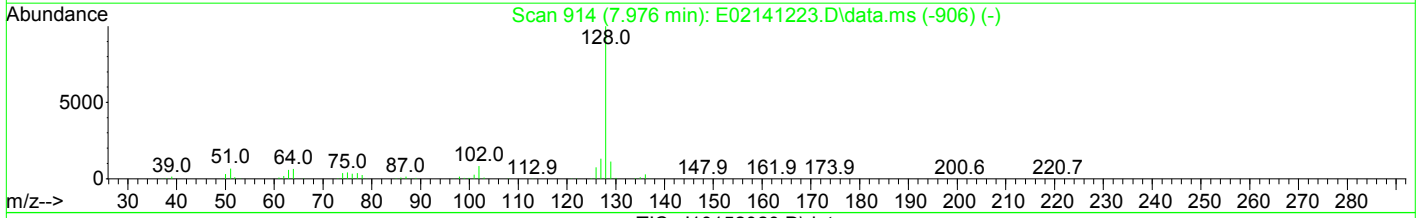
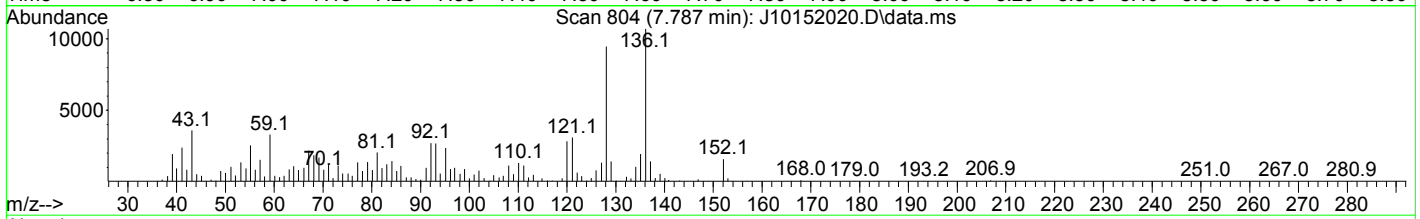
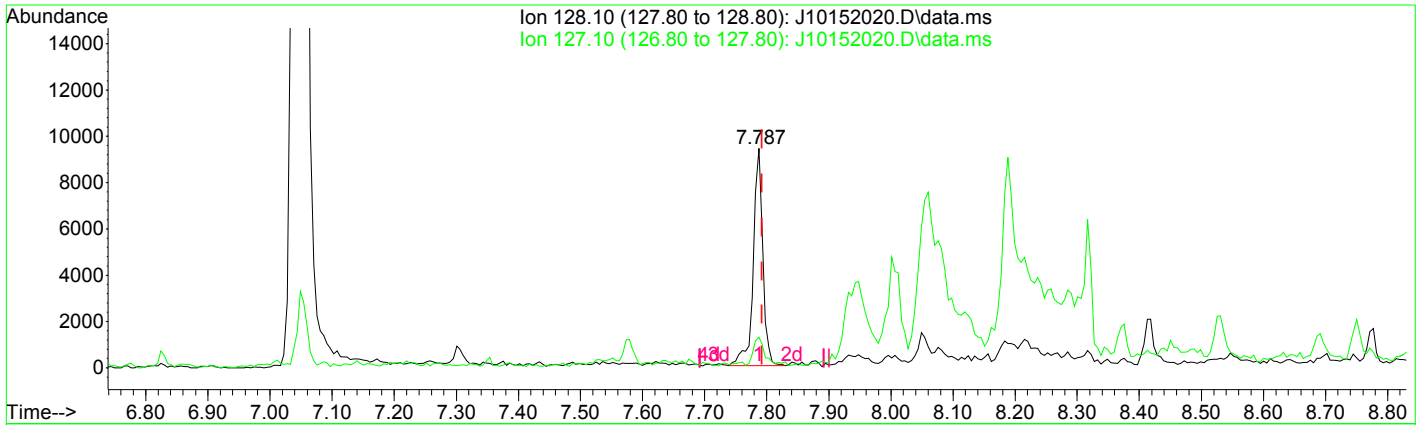
Quant Time: Oct 15 20:19:44 2020
Quant Method : T:\methods\SV10_050120R6.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Oct 09 14:58:00 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



TIC: J10152020.D\data.ms

(29) Naphthalene (T)		
7.787min (-0.005)	23.27 ng/ml	
response	10127	
Ion	Exp%	Act%
128.10	100.00	100.00
127.10	12.60	14.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : T:\data\2020-10\0J15030\
 Data File : J10152020.D
 Acq On : 15 Oct 2020 7:36 pm
 Operator : JK/ AMS/ DTH
 Sample : A0J0472-01
 Misc : 1x, 8270E LL PAH/BEHP
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 15 20:19:44 2020
 Quant Method : T:\methods\SV10_050120R6.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Oct 09 14:58:00 2020
 Response via : Initial Calibration



**Semivolatile Organic Compounds by EPA 8270E
Calibration Data**

Sequence 0E01048 (Cal ID A0E0506) SV-GCMS10



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E01048

Instrument: SV-GCMS10

Date: 05/01/20 13:59

Calibration: A0E0506

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E01048-TUN1	Water	QC	QC			A20C061	A20D411
2	0E01048-ICB1	Water	QC	QC			A20C061	
3	0E01048-CAL1	Water	QC	QC			A20C061	A20D243
4	0E01048-CAL2	Water	QC	QC			A20C061	A20D244
5	0E01048-CAL3	Water	QC	QC			A20C061	A20D245
6	0E01048-CAL4	Water	QC	QC			A20C061	A20D246
7	0E01048-CAL5	Water	QC	QC			A20C061	A20D247
8	0E01048-CAL6	Water	QC	QC			A20C061	A20D248
9	0E01048-CAL7	Water	QC	QC			A20C061	A20D249
10	0E01048-CAL8	Water	QC	QC			A20C061	A20D250
11	0E01048-CAL9	Water	QC	QC			A20C061	A20D251
12	0E01048-CALA	Water	QC	QC			A20C061	A20D252
13	0E01048-IBL1	Water	QC	QC			A20C061	
14	0E01048-ICV1	Water	QC	QC			A20C061	A20C090
15	0E01048-IBL2	Water	QC	QC			A20C061	

Data Entered By: JK 5/5/20

Comments:

Data Reviewed By: MKZ 5/6/2020

5/5/2020 4:15:38PM

Calibration Status Report SV-GCMS10

Method Path : C:\msdchem\1\methods\
 Method File : SV10_050120.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon May 04 11:17:09 2020
 Response Via : Initial Calibration

JK 5/5/20

A0E0506

#	ID	Conc	ISTD Conc	Path\File
1	20	20	2000	C:\msdchem\1\data\2020-05\0E01048\J05012011.D
2	50	50	2000	C:\msdchem\1\data\2020-05\0E01048\J05012012.D
3	100	100	2000	C:\msdchem\1\data\2020-05\0E01048\J05012013.D
4	200	200	2000	C:\msdchem\1\data\2020-05\0E01048\J05012014.D
5	500	500	2000	C:\msdchem\1\data\2020-05\0E01048\J05012015.D
6	1000	1000	2000	C:\msdchem\1\data\2020-05\0E01048\J05012016.D
7	2000	2000	2000	C:\msdchem\1\data\2020-05\0E01048\J05012017.D
8	4000	4000	2000	C:\msdchem\1\data\2020-05\0E01048\J05012018.D
9	6000	6000	2000	C:\msdchem\1\data\2020-05\0E01048\J05012019.D
10	8000	8000	2000	C:\msdchem\1\data\2020-05\0E01048\J05012020.D

#	ID	Update Time	Quant Time	Acquisition Time
1	20	May 04 11:16 2020	May 04 11:01 2020	1 May 2020 3:16 pm
2	50	May 04 11:16 2020	May 04 11:03 2020	1 May 2020 3:53 pm
3	100	May 04 11:16 2020	May 04 11:04 2020	1 May 2020 6:15 pm
4	200	May 04 11:16 2020	May 04 11:05 2020	1 May 2020 6:50 pm
5	500	May 04 11:16 2020	May 04 11:06 2020	1 May 2020 7:26 pm
6	1000	May 04 11:16 2020	May 04 11:06 2020	1 May 2020 8:01 pm
7	2000	May 04 11:16 2020	May 04 11:07 2020	1 May 2020 8:36 pm
8	4000	May 04 11:17 2020	May 04 11:08 2020	1 May 2020 9:11 pm
9	6000	May 04 11:17 2020	May 04 11:10 2020	1 May 2020 9:46 pm
10	8000	May 04 11:17 2020	May 04 11:11 2020	1 May 2020 10:21 pm

SV10_050120.M Tue May 05 14:49:39 2020

Response Factor Report SV-GCMS10

Method Path : C:\msdchem\1\methods\
 Method File : SV10_050120.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon May 04 11:17:09 2020
 Response Via : Initial Calibration

JK 5/5/20

Calibration Files

20 =J05012011.D 50 =J05012012.D 100 =J05012013.D 200 =J05012014.D 500 =J05012015.D
 1000=J05012016.D 2000=J05012017.D 4000=J05012018.D 6000=J05012019.D 8000=J05012020.D

Compound	20	50	100	200	500	1000	2000	4000	6000	8000	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----											
2) TG N-Nitrosodimet...	0.550	0.640	0.728	0.718	0.752	0.732	0.754	0.752	0.792	0.774	0.719	10.02
3) TG Pyridine	0.833	0.972	1.152	1.223	1.177	1.270	1.266	1.369	1.335	1.177	1.177	14.75
4) S 2-Fluorophenol...	1.018	1.115	1.118	1.166	1.270	1.259	1.314	1.292	1.320	1.269	1.214	8.48
5) S Phenol-d6(Surr)	1.235	1.267	1.313	1.435	1.505	1.542	1.561	1.494	1.488	1.454	1.429	8.14
6) T Phenol	1.412	1.187	1.283	1.631	1.524	1.535	1.658	1.576	1.544	1.493	1.484	10.10
7) T Aniline	1.251	1.378	1.387	1.512	1.520	1.487	1.503	1.558	1.620	1.675	1.489	8.31
8) T Bis(2-chloroet...	1.276	1.317	1.269	1.375	1.417	1.432	1.442	1.285	1.230	1.139	1.318	7.44
9) T 2-Chlorophenol	1.186	1.226	1.296	1.346	1.457	1.443	1.440	1.384	1.369	1.315	1.346	6.83
10) T 1,3-Dichlorobe...	1.793	1.693	1.746	1.677	1.711	1.646	1.607	1.530	1.493	1.452	1.635	6.88
11) T 1,4-Dichlorobe...	1.652	1.711	1.676	1.629	1.678	1.585	1.593	1.488	1.426	1.400	1.584	6.93
12) T Benzyl alcohol	0.463	0.492	0.575	0.631	0.733	0.790	0.833	0.817	0.792	0.796	0.692	20.31
13) T 1,2-Dichlorobe...	1.442	1.615	1.627	1.672	1.673	1.576	1.530	1.418	1.368	1.325	1.525	8.40
14) T 2-Methylphenol	0.933	0.836	0.948	1.003	1.054	1.057	1.047	0.977	0.925	0.886	0.967	7.76
15) T 2,2'-Oxybis(1-...	1.028	1.110	1.126	1.126	1.115	1.076	1.027	0.952	0.874	0.840	1.028	10.30
16) T N-Nitrosodi-n-...	0.672	0.690	0.765	0.834	0.821	0.813	0.798	0.725	0.700	0.679	0.750	8.48
17) T 3+4-Methylphenol	1.010	1.047	1.237	1.270	1.337	1.348	1.321	1.199	1.136	1.212	1.212	10.26
18) T Hexachloroethane	0.484	0.577	0.588	0.570	0.601	0.577	0.590	0.566	0.555	0.551	0.566	5.80
19) S Nitrobenzene-d...	1.007	0.993	1.086	1.165	1.193	1.229	1.210	1.148	1.142	1.102	1.127	7.15
20) T Nitrobenzene	1.022	1.030	1.167	1.156	1.238	1.185	1.187	1.115	1.084	1.035	1.122	6.78
21) I Naphthalene-d8 (ISTD)	-----ISTD-----											
22) T Isophorone	0.515	0.543	0.611	0.615	0.624	0.615	0.614	0.586	0.582	0.571	0.588	6.11
23) T 2-Nitrophenol	0.152	0.162	0.197	0.210	0.201	0.200	0.193	0.193	0.188	0.188	0.188	10.78
24) T 2,4-Dimethylph...	0.246	0.266	0.300	0.315	0.316	0.303	0.277	0.266	0.286	0.286	0.286	9.05

Response Factor Report SV-GCMS10

Method Path : C:\msdchem\1\methods\

Method File : SV10_050120.M

Title : EPA 8270D: Semivolatile Organics

25) T	Bis(2-chloroet...	0.346	0.375	0.385	0.384	0.394	0.381	0.382	0.357	0.330	0.314	0.365	7.40
26) T	Benzoic acid					0.044	0.084	0.128	0.174	0.202	0.204	0.140	47.21
27) T	2,4-Dichloroph...		0.229	0.265	0.287	0.311	0.314	0.323	0.302	0.290	0.276	0.289	10.14
28) T	1,2,4-Trichlor...	0.382	0.374	0.385	0.391	0.395	0.382	0.368	0.343	0.321	0.313	0.365	8.05
29) T	Naphthalene	1.122	1.192	1.160	1.177	1.165	1.122	1.064	0.967	0.882	0.834	1.068	12.10
30) T	4-Chloroaniline	0.258	0.311	0.327	0.353	0.379	0.385	0.365	0.320			0.337	12.44
31) T	Hexachlorobuta...	0.216	0.241	0.230	0.238	0.240	0.229	0.224	0.213	0.207	0.204	0.224	6.11
32) T	4-Chloro-3-met...		0.184	0.215	0.240	0.267	0.269	0.283	0.277	0.269	0.259	0.251	13.00
33) T	2-Methylnaphth...	0.679	0.756	0.786	0.804	0.777	0.766	0.757	0.691	0.649	0.606	0.727	9.12
34) T	1-Methylnaphth...	0.697	0.718	0.761	0.737	0.728	0.706	0.692	0.637	0.594	0.553	0.682	9.77
35) I	Acenaphthene-d10 (...	-----ISTD-----											
36) T	Hexachlorocycl...	0.337	0.363	0.385	0.402	0.436	0.434	0.437	0.443	0.422	0.428	0.409	8.79
37) T	2,4,6-Trichlor...	0.212	0.263	0.348	0.364	0.433	0.445	0.433	0.446	0.421	0.420	0.379	21.65
38) T	2,4,5-Trichlor...	0.229	0.269	0.336	0.372	0.434	0.433	0.446	0.438	0.414	0.395	0.377	20.14
39) T	1,1'-Biphenyl	1.708	1.818	1.908	1.844	1.837	1.780	1.678	1.550	1.390	1.302	1.682	12.18
40) S	2-Fluorobiphen...	1.635	1.703	1.766	1.741	1.737	1.661	1.591	1.474	1.353	1.272	1.593	10.79
41) T	2-Chloronaphth...	1.396	1.405	1.470	1.438	1.407	1.361	1.291	1.191	1.083	1.018	1.306	12.01
42) T	2-Nitroaniline			0.269	0.293	0.362	0.387	0.406	0.403	0.391	0.391	0.363	14.44
43) T	2,6-Dimethylna...	1.220	1.311	1.348	1.361	1.335	1.287	1.225	1.134	1.026	0.972	1.222	11.20
44) T	1,4-Dinitroben...		0.077	0.108	0.131	0.166	0.186	0.206	0.212	0.211	0.213	0.168	30.40
45) T	Dimethyl phtha...	1.287	1.436	1.565	1.595	1.578	1.529	1.483	1.391	1.286	1.253	1.440	9.06
46) T	1,3-Dinitroben...			0.156	0.172	0.216	0.221	0.236	0.241	0.229	0.231	0.213	14.69
47) T	2,6-Dinitrotol...			0.279	0.308	0.345	0.340	0.353	0.341	0.321	0.313	0.325	7.57
48) T	1,2-Dinitroben...			0.124	0.131	0.158	0.159	0.164	0.162	0.153	0.149	0.150	9.95
49) T	Acenaphthylene	1.838	2.044	2.140	2.180	2.197	2.077	2.001	1.808	1.621	1.493	1.940	12.47
50) T	3-Nitroaniline		0.181	0.234	0.266	0.305	0.300	0.285	0.164			0.248	22.96
51) T	Acenaphthene	1.332	1.473	1.410	1.449	1.418	1.367	1.308	1.193	1.101	1.047	1.310	11.31
52) T	2,4-Dinitrophenol				0.017	0.050	0.081	0.118	0.153	0.162	0.177	0.108	56.21
53) T	4-Nitrophenol		0.050	0.107	0.133	0.194	0.229	0.249	0.261	0.250	0.262	0.193	40.38
54) T	2,4-Dinitrotol...		0.227	0.280	0.337	0.407	0.429	0.453	0.452	0.419	0.421	0.380	21.21
55) T	Dibenzofuran	1.871	1.827	1.992	1.997	1.971	1.896	1.841	1.696	1.544	1.477	1.811	10.11
56) T	2,3,5,6-Tetrac...		0.129	0.190	0.248	0.327	0.361	0.382	0.388	0.370	0.377	0.308	31.08
57) T	2,3,4,6-Tetrac...		0.170	0.242	0.310	0.356	0.369	0.385	0.386	0.366	0.371	0.329	22.80
58) T	Diethyl phthalate	1.385	1.505	1.546	1.546	1.548	1.462	1.354	1.223	1.052	1.012	1.363	14.89
59) T	2,3,5-Trimethy...	1.116	1.141	1.229	1.284	1.292	1.199	1.125	1.009	0.916	0.861	1.117	13.21

Response Factor Report SV-GCMS10

Method Path : C:\msdchem\1\methods\

Method File : SV10_050120.M

Title : EPA 8270D: Semivolatile Organics

60) T	Fluorene	1.356	1.311	1.560	1.583	1.619	1.486	1.429	1.301	1.170	1.131	1.395	12.18
61) T	4-Chlorophenyl...	0.723	0.718	0.788	0.791	0.796	0.744	0.726	0.696	0.646	0.639	0.727	7.71
62) T	4-Nitroaniline			0.184	0.214	0.220	0.229	0.227	0.220	0.208	0.218	0.215	6.60
63) T	4,6-Dinitro-2-...				0.074	0.135	0.179	0.215	0.244	0.238	0.244	0.190	34.24
64) I	Phenanthrene-d10 (...)	-----ISTD-----											
65) T	N-Nitrosodiphe...	0.555	0.598	0.670	0.695	0.701	0.667	0.635	0.560	0.510	0.487	0.608	12.73
66) T	Azobenzene (1,...	0.506	0.581	0.589	0.620	0.618	0.597	0.579	0.519	0.481	0.448	0.554	10.91
67) S	2,4,6-Tribromo...	0.074	0.093	0.119	0.128	0.142	0.149	0.155	0.156	0.156	0.154	0.133	21.88
68) T	4-Bromophenyl ...	0.233	0.248	0.253	0.261	0.265	0.254	0.254	0.249	0.244	0.238	0.250	3.89
69) T	Hexachlorobenzene	0.337	0.353	0.360	0.352	0.336	0.319	0.304	0.289	0.280	0.272	0.320	10.09
70) T	Pentachlorophe...		0.038	0.073	0.085	0.120	0.141	0.161	0.168	0.169	0.172	0.125	39.28
71) T	Phenanthrene	1.252	1.206	1.227	1.237	1.220	1.164	1.091	1.022	0.947	0.891	1.126	11.63
72) T	Anthracene	1.033	1.093	1.170	1.197	1.200	1.164	1.107	1.020	0.937	0.887	1.081	10.10
73) T	Carbazole	0.734	0.858	0.924	0.975	1.005	0.930	0.813	0.480			0.840	20.24
74) T	Di-n-butyl pht...			1.043	1.114	1.221	1.228	1.168	1.113	0.990		1.125	7.87
75) T	Fluoranthene	0.982	1.089	1.194	1.283	1.318	1.315	1.282	1.201			1.208	9.91
76) T	Benzidine			0.165	0.254	0.388	0.425	0.463	0.422	0.377	0.439	0.367	28.14
77) T	Pyrene	1.048	1.132	1.247	1.314	1.389	1.316	1.289	1.197	1.101	1.057	1.209	9.93
78) I	Chrysene-d12 (ISTD)	-----ISTD-----											
79) S	Terphenyl-d14 ...	0.765	0.895	1.000	1.008	1.056	1.037	1.022	0.991	0.982	0.953	0.971	8.78
80) T	Butyl benzyl p...		0.199	0.253	0.304	0.403	0.450	0.480	0.507	0.504	0.512	0.401	29.86
81) T	Bis(2-ethylhex...				0.282	0.364	0.381	0.414	0.429	0.420	0.424	0.388	13.52
82) T	3,3-Dichlorobe...				0.265	0.220	0.184	0.140	0.125	0.122	0.129	0.169	32.93
83) T	Benz(a)anthracene	1.184	1.080	1.085	1.128	1.173	1.165	1.168	1.131	1.122	1.104	1.134	3.29
84) T	Chrysene	1.001	1.081	1.053	1.112	1.132	1.097	1.093	1.067	1.045	1.000	1.068	4.13
85) T	Bis(2-ethylhex...				0.441	0.589	0.629	0.667	0.674	0.664	0.645	0.616	13.36
86) I	Perylene-d12 (ISTD)	-----ISTD-----											
87) T	Di-n-octyl pht...			0.355	0.470	0.766	0.939	1.103	1.184	1.176	1.159	0.894	37.00
88) T	Benzo(b)fluora...	0.709	0.766	0.887	0.991	1.137	1.129	1.209	1.198	1.192	1.183	1.040	18.25
89) T	Benzo(k)fluora...	0.682	0.759	0.926	1.027	1.179	1.162	1.164	1.112	1.083	1.030	1.012	17.08
90) T	Benzo(b+k)fluo...	0.743	0.821	0.957	1.059	1.195	1.181	1.216	1.181	1.164	1.130	1.065	15.83
91) T	Benzo(e)pyrene	0.712	0.772	0.915	1.019	1.110	1.099	1.125	1.114	1.074	1.055	1.000	14.97
92) T	Benzo(a)pyrene	0.548	0.630	0.696	0.816	0.956	0.972	1.004	0.995	0.976	0.948	0.854	19.93

Response Factor Report SV-GCMS10

Method Path : C:\msdchem\1\methods\
 Method File : SV10_050120.M

Title : EPA 8270D: Semivolatle Organics

93) T	Perylene	0.884	0.930	0.992	0.980	1.026	0.993	0.999	0.965	0.944	0.923	0.963	4.45
94) I	Dibenz(a,h)Anthrce...	-----ISTD-----											
95) T	Indeno(1,2,3-c...	1.154	1.139	1.126	1.112	1.175	1.132	1.158	1.183	1.222	1.226	1.163	3.34
96) T	Dibenz(a,h)ant...	0.996	1.003	1.042	1.089	1.148	1.104	1.115	1.132	1.105	1.071	1.081	4.80
97) T	Benzo(g,h,i)pe...	0.776	0.896	1.041	1.106	1.226	1.207	1.240	1.208	1.179	1.125	1.101	14.06

 (#) = Out of Range

Compound List Report SV-GCMS10

Method Path : C:\msdchem\1\methods\
 Method File : SV10_050120.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon May 04 11:17:09 2020
 Response Via : Initial Calibration

JK 5/5/20

Total Cpnds : 97

All quadratic curve fits are 1/(a^2) except as noted

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I 1,4-Dichlorobenzene-d4 (ISTD)	152	6.808	1.000	A	2	A	R
2	T N-Nitrosodimethylamine	74	4.113	0.604	A	2	A	A
3	T Pyridine	79	4.150	0.610	A	2	A	A
4	S 2-Fluorophenol (Surr)	112	5.525	0.811	A	1	A	R
5	S Phenol-d6(Surr)	99	6.434	0.945	A	2	A	R
6	T Phenol	94	6.445	0.947	A	2	A	R
7	T Aniline	93	6.482	0.952	A	2	A	R
8	T Bis(2-chloroethyl) ether	93	6.536	0.960	A	2	A	R
9	T 2-Chlorophenol	128	6.600	0.969	A	2	A	R
10	T 1,3-Dichlorobenzene	146	6.755	0.992	A	2	A	R
11	T 1,4-Dichlorobenzene	146	6.824	1.002	A	2	A	R
12	T Benzyl alcohol	108	6.931	1.018	Q	2	A	R
13	T 1,2-Dichlorobenzene	146	6.980	1.025	A	2	A	R
14	T 2-Methylphenol	107	7.038	1.034	A	2	A	R
15	T 2,2'-Oxybis(1-Chloropropane)	45	7.071	1.038	A	2	A	R
16	T N-Nitrosodi-n-propylamine	70	7.199	1.057	A	2	A	R
17	T 3+4-Methylphenol	107	7.188	1.056	A	3	A	R
18	T Hexachloroethane	201	7.317	1.075	A	2	A	R
19	S Nitrobenzene-d5 (Surr)	82	7.354	1.080	A	2	A	R
20	T Nitrobenzene	77	7.370	1.082	A	2	A	R
21	I Naphthalene-d8 (ISTD)	136	8.081	1.000	A	1	A	R
22	T Isophorone	82	7.605	0.941	A	2	A	R
23	T 2-Nitrophenol	139	7.690	0.952	A	2	A	R
24	T 2,4-Dimethylphenol	122	7.723	0.956	A	2	A	R
25	T Bis(2-chloroethoxy) methane	93	7.814	0.967	A	2	A	R
26	T Benzoic acid	105	7.808	0.966	Q	2	A	R
27	T 2,4-Dichlorophenol	162	7.931	0.981	A	2	A	R
28	T 1,2,4-Trichlorobenzene	180	8.023	0.993	A	2	A	R
29	T Naphthalene	128	8.103	1.003	A	1	A	R
30	T 4-Chloroaniline	127	8.145	1.008	A	2	A	R
31	T Hexachlorobutadiene	225	8.231	1.019	A	2	A	R
32	T 4-Chloro-3-methylphenol	107	8.626	1.067	A	2	A	R
33	T 2-Methylnaphthalene	142	8.803	1.089	A	2	A	R
34	T 1-Methylnaphthalene	142	8.905	1.102	A	2	A	R
35	I Acenaphthene-d10 (ISTD)	162	9.868	1.000	A	2	A	R
36	T Hexachlorocyclopentadiene	237	8.969	0.909	A	2	A	R
37	T 2,4,6-Trichlorophenol	196	9.082	0.920	Q	2	A	R
38	T 2,4,5-Trichlorophenol	198	9.119	0.924	Q	2	A	R
39	T 1,1'-Biphenyl	154	9.274	0.940	A	2	A	R
40	S 2-Fluorobiphenyl (Surr)	172	9.167	0.929	A	2	A	R
41	T 2-Chloronaphthalene	162	9.296	0.942	A	2	A	R
42	T 2-Nitroaniline	138	9.391	0.952	A	2	A	R
43	T 2,6-Dimethylnaphthalene	156	9.435	0.956	A	2	A	R
44	T 1,4-Dinitrobenzene	168	9.520	0.965	Q	2	A	R
45	T Dimethyl phthalate	163	9.574	0.970	A	2	A	R
46	T 1,3-Dinitrobenzene	168	9.600	0.973	A	2	A	R
47	T 2,6-Dinitrotoluene	165	9.632	0.976	A	2	A	R
48	T 1,2-Dinitrobenzene	168	9.691	0.982	A	2	A	R
49	T Acenaphthylene	152	9.723	0.985	A	2	A	R
50	T 3-Nitroaniline	138	9.809	0.994	Q	2	A	R
51	T Acenaphthene	153	9.900	1.003	A	2	A	R
52	T 2,4-Dinitrophenol	184	9.910	1.004	Q	2	A	R
53	T 4-Nitrophenol	139	9.964	1.010	Q	2	A	R

54	T	2,4-Dinitrotoluene	165	10.044	1.018	Q -	2	A	R
55	T	Dibenzofuran	168	10.076	1.021	A	2	A	R
56	T	2,3,5,6-Tetrachlorophenol	232	10.156	1.029	Q -	2	A	R
57	T	2,3,4,6-Tetrachlorophenol	232	10.199	1.034	Q -	2	A	R
58	T	Diethyl phthalate	149	10.290	1.043	A	2	A	R
59	T	2,3,5-Trimethylnaphthalene	170	10.285	1.042	A	2	A	R
60	T	Fluorene	166	10.429	1.057	A	2	A	R
61	T	4-Chlorophenyl phenyl ether	204	10.419	1.056	A	2	A	R
62	T	4-Nitroaniline	138	10.429	1.057	A	2	A	R
63	T	4,6-Dinitro-2-methylphenol	198	10.461	1.060	Q -	2	A	R
64	I	Phenanthrene-d10 (ISTD)	188	11.392	1.000	A	2	A	R
65	T	N-Nitrosodiphenylamine	169	10.536	0.925	A	2	A	R
66	T	Azobenzene (1,2-DPH)	77	10.579	0.929	A	2	A	R
67	S	2,4,6-Tribromophenol (Surr)	330	10.670	0.937	Q -	2	A	R
68	T	4-Bromophenyl phenyl ether	248	10.916	0.958	A	2	A	R
69	T	Hexachlorobenzene	284	11.002	0.966	A	2	A	R
70	T	Pentachlorophenol (PCP)	266	11.194	0.983	Q -	2	A	R
71	T	Phenanthrene	178	11.414	1.002	A	2	A	R
72	T	Anthracene	178	11.462	1.006	A	2	A	R
73	T	Carbazole	167	11.622	1.020	Q -	2	A	R
74	T	Di-n-butyl phthalate	149	11.964	1.050	A	2	A	R
75	T	Fluoranthene	202	12.740	1.118	A	2	A	R
76	T	Benzidine	184	12.900	1.132	Q -	2	A	R
77	T	Pyrene	202	13.056	1.146	A	2	A	R
78	I	Chrysene-d12 (ISTD)	240	15.404	1.000	A	2	A	R
79	S	Terphenyl-d14 (Surr)	244	13.270	0.861	A	2	A	R
80	T	Butyl benzyl phthalate	149	14.152	0.919	Q -	2	A	R
81	T	Bis(2-ethylhexyl) adipate	129	14.339	0.931	A -	2	A	R
82	T	3,3-Dichlorobenzidine	252	15.334	0.995	Q 1/a	2	A	R
83	T	Benz(a)anthracene	228	15.377	0.998	A	2	A	R
84	T	Chrysene	228	15.463	1.004	A	2	A	R
85	T	Bis(2-ethylhexyl) phthalate	149	15.542	1.009	A	2	A	R
86	I	Perylene-d12 (ISTD)	264	18.928	1.000	A	2	A	R
87	T	Di-n-octyl phthalate	149	17.222	0.910	Q -	2	A	R
88	T	Benzo(b)fluoranthene	252	18.003	0.951	Q -	2	A	R
89	T	Benzo(k)fluoranthene	252	18.067	0.954	Q -	2	A	R
90	T	Benzo(b+k)fluoranthene	252	18.067	0.954	Q -	2	A	R
91	T	Benzo(e)pyrene	252	18.666	0.986	A	2	A	R
92	T	Benzo(a)pyrene	252	18.784	0.992	Q -	2	A	R
93	T	Perylene	252	18.987	1.003	A	2	A	B
94	I	Dibenz(a,h)Anthrcene-d14 (I...	292	21.335	1.000	A	1	A	B
95	T	Indeno(1,2,3-cd)pyrene	276	21.330	1.000	A	1	A	R
96	T	Dibenz(a,h)anthracene	278	21.400	1.003	A	2	A	R
97	T	Benzo(g,h,i)perylene	276	21.875	1.025	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

SV10_050120.M Mon May 04 13:20:42 2020

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

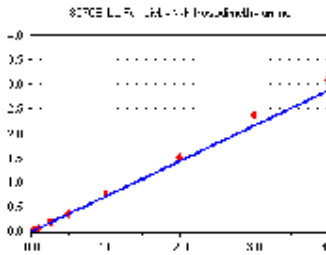
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

N-Nitrosodimethylamine

Curve Fit: **AVERAGE RF**

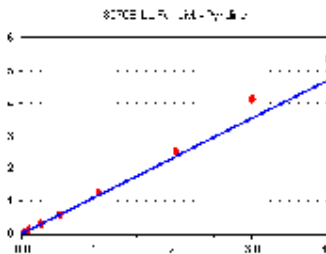


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1056	0.550	4.16
0E01048-CAL2	50	3161	0.640	4.16
0E01048-CAL3	100	6960	0.728	4.11
0E01048-CAL4	200	13019	0.718	4.12
0E01048-CAL5	500	34459	0.752	4.12
0E01048-CAL6	1000	66004	0.732	4.11
0E01048-CAL7	2000	134599	0.754	4.11
0E01048-CAL8	4000	262941	0.752	4.12
0E01048-CAL9	6000	393406	0.792	4.12
0E01048-CALA	8000	504946	0.774	4.13

AVE RF 0.719 RF RSD 10.02 AVE RT 4.13

Pyridine

Curve Fit: **AVERAGE RF**

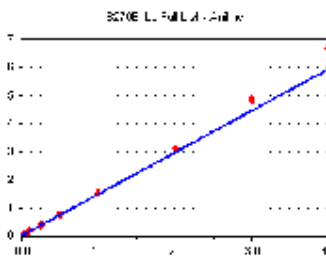


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4772	0.924	4.26
0E01048-CAL2	50	4118	0.833	4.23
0E01048-CAL3	100	9290	0.972	4.17
0E01048-CAL4	200	20881	1.152	4.17
0E01048-CAL5	500	56059	1.223	4.16
0E01048-CAL6	1000	106090	1.177	4.15
0E01048-CAL7	2000	226549	1.270	4.14
0E01048-CAL8	4000	442936	1.266	4.15
0E01048-CAL9	6000	679950	1.369	4.14
0E01048-CALA	8000	871278	1.335	4.15

AVE RF 1.177 RF RSD 14.75 AVE RT 4.16

Aniline

Curve Fit: **AVERAGE RF**

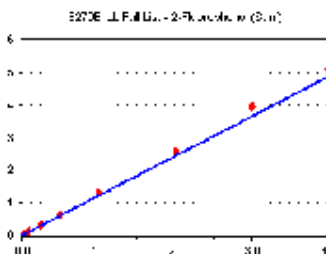


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2400	1.251	0.00
0E01048-CAL2	50	6810	1.378	6.49
0E01048-CAL3	100	13261	1.387	6.48
0E01048-CAL4	200	27397	1.512	6.48
0E01048-CAL5	500	69692	1.520	6.48
0E01048-CAL6	1000	134013	1.487	6.48
0E01048-CAL7	2000	268100	1.503	6.48
0E01048-CAL8	4000	545033	1.558	6.49
0E01048-CAL9	6000	804680	1.620	6.49
0E01048-CALA	8000	1093109	1.675	0.00

AVE RF 1.489 RF RSD 8.31 AVE RT 5.19

2-Fluorophenol (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1953	1.018	5.53
0E01048-CAL2	50	5510	1.115	5.54
0E01048-CAL3	100	10683	1.118	5.53
0E01048-CAL4	200	21141	1.166	5.53
0E01048-CAL5	500	58252	1.270	5.53
0E01048-CAL6	1000	113423	1.259	5.53
0E01048-CAL7	2000	234424	1.314	5.53
0E01048-CAL8	4000	452073	1.292	5.53
0E01048-CAL9	6000	655827	1.320	5.53
0E01048-CALA	8000	828011	1.269	5.53

AVE RF 1.214 RF RSD 8.48 AVE RT 5.53

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

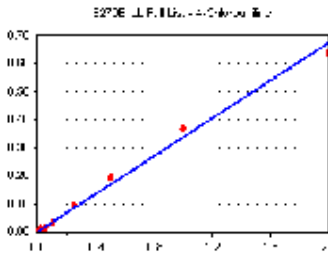
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

4-Chloroaniline

Curve Fit: **AVERAGE RF**

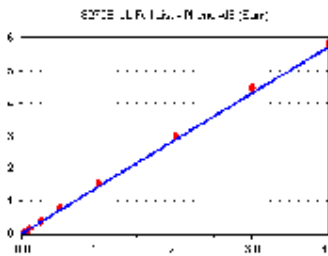


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1892	0.258	8.15
0E01048-CAL2	50	5581	0.311	8.15
0E01048-CAL3	100	11760	0.327	8.15
0E01048-CAL4	200	24483	0.353	8.15
0E01048-CAL5	500	64457	0.379	8.15
0E01048-CAL6	1000	129616	0.385	8.15
0E01048-CAL7	2000	238318	0.365	0.00
0E01048-CAL8	4000	406932	0.320	0.00
0E01048-CAL9	6000	557000	0.299	0.00
0E01048-CALA	8000	713100	0.293	0.00

AVE RF 0.337 RF RSD 12.44 AVE RT 6.11

Phenol-d6 (Surr)

Curve Fit: **AVERAGE RF**

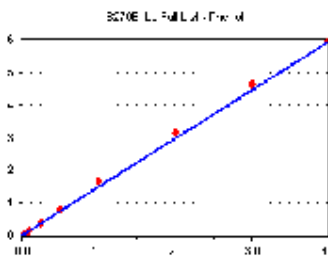


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2369	1.235	6.43
0E01048-CAL2	50	6261	1.267	6.43
0E01048-CAL3	100	12550	1.313	6.43
0E01048-CAL4	200	26007	1.435	6.43
0E01048-CAL5	500	69027	1.505	6.43
0E01048-CAL6	1000	138996	1.542	6.43
0E01048-CAL7	2000	278467	1.561	6.43
0E01048-CAL8	4000	522506	1.494	6.45
0E01048-CAL9	6000	739081	1.488	6.45
0E01048-CALA	8000	948776	1.454	6.46

AVE RF 1.429 RF RSD 8.14 AVE RT 6.44

Phenol

Curve Fit: **AVERAGE RF**

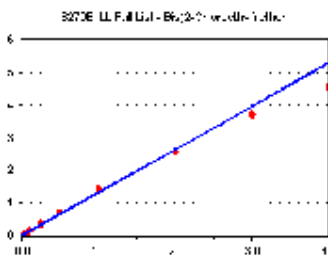


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2710	1.412	6.45
0E01048-CAL2	50	5865	1.187	6.45
0E01048-CAL3	100	12267	1.283	6.45
0E01048-CAL4	200	29567	1.631	6.45
0E01048-CAL5	500	69878	1.524	6.45
0E01048-CAL6	1000	138337	1.535	6.45
0E01048-CAL7	2000	295844	1.658	6.45
0E01048-CAL8	4000	551221	1.576	6.46
0E01048-CAL9	6000	767137	1.544	6.47
0E01048-CALA	8000	974066	1.493	6.47

AVE RF 1.484 RF RSD 10.10 AVE RT 6.45

Bis(2-Chloroethyl) ether

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2449	1.276	6.54
0E01048-CAL2	50	6507	1.317	6.54
0E01048-CAL3	100	12128	1.269	6.54
0E01048-CAL4	200	24922	1.375	6.54
0E01048-CAL5	500	64951	1.417	6.54
0E01048-CAL6	1000	129066	1.432	6.54
0E01048-CAL7	2000	257343	1.442	6.54
0E01048-CAL8	4000	449460	1.285	6.55
0E01048-CAL9	6000	610903	1.230	6.55
0E01048-CALA	8000	743153	1.139	6.55

AVE RF 1.318 RF RSD 7.44 AVE RT 6.54

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

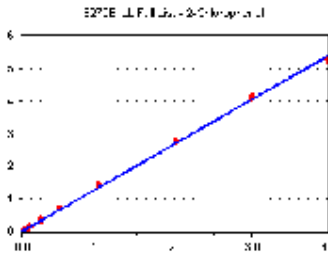
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

2-Chlorophenol

Curve Fit: **AVERAGE RF**

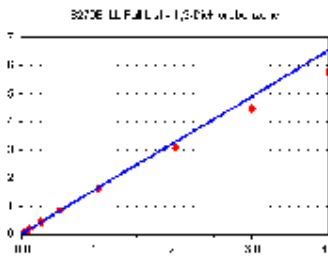


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2275	1.186	6.60
0E01048-CAL2	50	6059	1.226	6.61
0E01048-CAL3	100	12387	1.296	6.60
0E01048-CAL4	200	24400	1.346	6.60
0E01048-CAL5	500	66822	1.457	6.60
0E01048-CAL6	1000	130032	1.443	6.60
0E01048-CAL7	2000	256829	1.440	6.61
0E01048-CAL8	4000	484213	1.384	6.61
0E01048-CAL9	6000	680218	1.369	6.61
0E01048-CALA	8000	858273	1.315	6.61

AVE RF 1.346 RF RSD 6.83 AVE RT 6.60

1,3-Dichlorobenzene

Curve Fit: **AVERAGE RF**

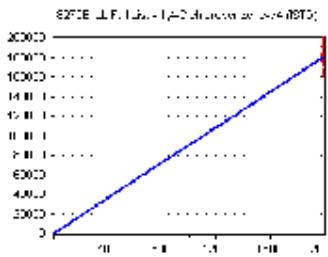


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	3441	1.793	6.76
0E01048-CAL2	50	8367	1.693	6.76
0E01048-CAL3	100	16686	1.746	6.76
0E01048-CAL4	200	30392	1.677	6.76
0E01048-CAL5	500	78446	1.711	6.76
0E01048-CAL6	1000	148363	1.646	6.76
0E01048-CAL7	2000	286729	1.607	6.76
0E01048-CAL8	4000	535315	1.530	6.76
0E01048-CAL9	6000	741627	1.493	6.76
0E01048-CALA	8000	947173	1.452	6.76

AVE RF 1.635 RF RSD 6.88 AVE RT 6.76

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**

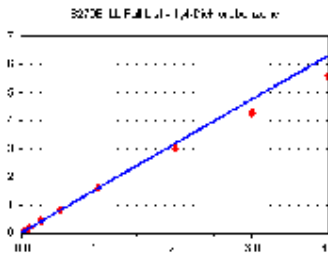


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	2000	191864	95.932	6.81
0E01048-CAL2	2000	197701	98.850	6.81
0E01048-CAL3	2000	191183	95.591	6.80
0E01048-CAL4	2000	181235	90.618	6.81
0E01048-CAL5	2000	183403	91.701	6.81
0E01048-CAL6	2000	180245	90.123	6.81
0E01048-CAL7	2000	178407	89.204	6.81
0E01048-CAL8	2000	174907	87.454	6.81
0E01048-CAL9	2000	165574	82.787	6.81
0E01048-CALA	2000	163128	81.564	6.81

AVE RF 90.382 RF RSD 6.14 AVE RT 6.81

1,4-Dichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	3170	1.652	6.82
0E01048-CAL2	50	8455	1.711	6.82
0E01048-CAL3	100	16022	1.676	6.82
0E01048-CAL4	200	29528	1.629	6.82
0E01048-CAL5	500	76922	1.678	6.82
0E01048-CAL6	1000	142848	1.585	6.82
0E01048-CAL7	2000	284248	1.593	6.82
0E01048-CAL8	4000	520387	1.488	6.83
0E01048-CAL9	6000	708159	1.426	6.83
0E01048-CALA	8000	913373	1.400	6.83

AVE RF 1.584 RF RSD 6.93 AVE RT 6.83

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

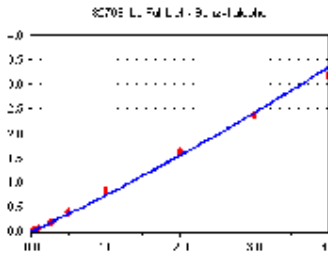
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Benzyl alcohol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

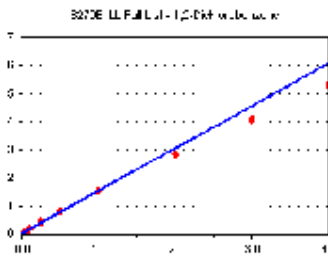


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	888	0.463	6.94
0E01048-CAL2	50	2430	0.492	6.94
0E01048-CAL3	100	5492	0.575	6.93
0E01048-CAL4	200	11440	0.631	6.94
0E01048-CAL5	500	33612	0.733	6.93
0E01048-CAL6	1000	71211	0.790	6.93
0E01048-CAL7	2000	148637	0.833	6.94
0E01048-CAL8	4000	285840	0.817	6.94
0E01048-CAL9	6000	393544	0.792	6.95
0E01048-CALA	8000	519355	0.796	6.96

AVE RF 0.692 RF RSD 20.31 AVE RT 6.94

1,2-Dichlorobenzene

Curve Fit: **AVERAGE RF**

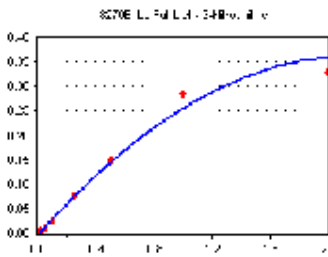


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2766	1.442	6.98
0E01048-CAL2	50	7982	1.615	6.98
0E01048-CAL3	100	15557	1.627	6.97
0E01048-CAL4	200	30294	1.672	6.98
0E01048-CAL5	500	76724	1.673	6.98
0E01048-CAL6	1000	142058	1.576	6.98
0E01048-CAL7	2000	273037	1.530	6.98
0E01048-CAL8	4000	496140	1.418	6.98
0E01048-CAL9	6000	679700	1.368	6.99
0E01048-CALA	8000	864319	1.325	6.99

AVE RF 1.525 RF RSD 8.40 AVE RT 6.98

3-Nitroaniline

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

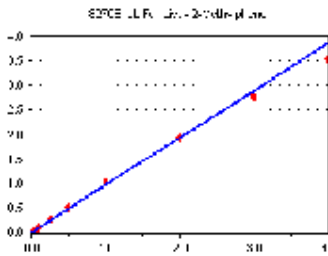


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	409	0.114	9.81
0E01048-CAL2	50	1541	0.181	9.81
0E01048-CAL3	100	4153	0.234	9.81
0E01048-CAL4	200	9251	0.266	9.80
0E01048-CAL5	500	25545	0.305	9.80
0E01048-CAL6	1000	50804	0.300	9.81
0E01048-CAL7	2000	95947	0.285	0.00
0E01048-CAL8	4000	105482	0.164	0.00
0E01048-CAL9	6000	134645	0.138	0.00
0E01048-CALA	8000	240733	0.168	0.00

AVE RF 0.248 RF RSD 22.96 AVE RT 7.00

2-Methylphenol

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1790	0.933	7.04
0E01048-CAL2	50	4132	0.836	7.04
0E01048-CAL3	100	9064	0.948	7.04
0E01048-CAL4	200	18182	1.003	7.04
0E01048-CAL5	500	48344	1.054	7.04
0E01048-CAL6	1000	95275	1.057	7.04
0E01048-CAL7	2000	186846	1.047	7.04
0E01048-CAL8	4000	341774	0.977	7.04
0E01048-CAL9	6000	459315	0.925	7.05
0E01048-CALA	8000	577925	0.886	7.05

AVE RF 0.967 RF RSD 7.76 AVE RT 7.04

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

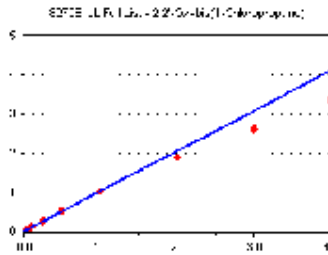
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

2,2'-Oxybis(1-Chloropropane)

Curve Fit: **AVERAGE RF**

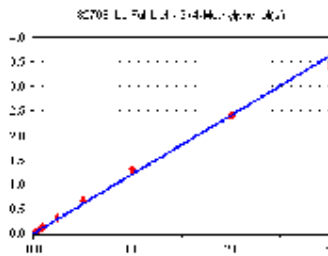


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1973	1.028	7.07
0E01048-CAL2	50	5484	1.110	7.07
0E01048-CAL3	100	10763	1.126	7.07
0E01048-CAL4	200	20415	1.126	7.07
0E01048-CAL5	500	51146	1.115	7.07
0E01048-CAL6	1000	96994	1.076	7.07
0E01048-CAL7	2000	183240	1.027	7.07
0E01048-CAL8	4000	333090	0.952	7.07
0E01048-CAL9	6000	433983	0.874	7.08
0E01048-CALA	8000	548150	0.840	7.08

AVE RF 1.028 RF RSD 10.30 AVE RT 7.07

3+4-Methylphenol(s)

Curve Fit: **AVERAGE RF**

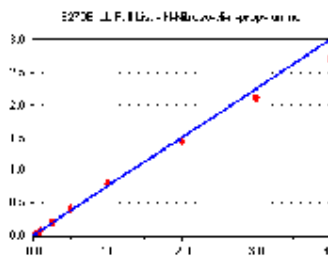


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1938	1.010	7.19
0E01048-CAL2	50	5177	1.047	7.19
0E01048-CAL3	100	11824	1.237	7.19
0E01048-CAL4	200	23011	1.270	7.19
0E01048-CAL5	500	61306	1.337	7.19
0E01048-CAL6	1000	121441	1.348	7.19
0E01048-CAL7	2000	235635	1.321	7.19
0E01048-CAL8	4000	419273	1.199	7.20
0E01048-CAL9	6000	564140	1.136	7.21
0E01048-CALA	8000	709231	1.087	7.22

AVE RF 1.212 RF RSD 10.26 AVE RT 7.19

N-Nitroso-di-n-propylamine

Curve Fit: **AVERAGE RF**

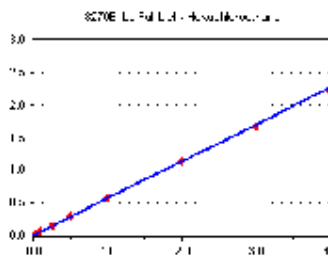


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1290	0.672	7.20
0E01048-CAL2	50	3408	0.690	7.20
0E01048-CAL3	100	7313	0.765	7.19
0E01048-CAL4	200	15112	0.834	7.19
0E01048-CAL5	500	37629	0.821	7.19
0E01048-CAL6	1000	73246	0.813	7.20
0E01048-CAL7	2000	142353	0.798	7.20
0E01048-CAL8	4000	253448	0.725	7.21
0E01048-CAL9	6000	347925	0.700	7.22
0E01048-CALA	8000	442984	0.679	7.23

AVE RF 0.750 RF RSD 8.48 AVE RT 7.20

Hexachloroethane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	928	0.484	7.32
0E01048-CAL2	50	2852	0.577	7.32
0E01048-CAL3	100	5625	0.588	7.32
0E01048-CAL4	200	10331	0.570	7.32
0E01048-CAL5	500	27570	0.601	7.32
0E01048-CAL6	1000	52010	0.577	7.32
0E01048-CAL7	2000	105262	0.590	7.32
0E01048-CAL8	4000	197978	0.566	7.32
0E01048-CAL9	6000	275750	0.555	7.32
0E01048-CALA	8000	359667	0.551	7.32

AVE RF 0.566 RF RSD 5.80 AVE RT 7.32

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

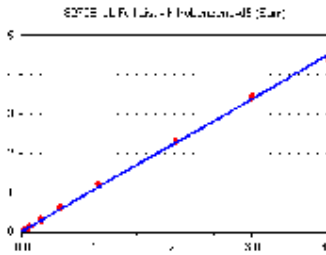
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Nitrobenzene-d5 (Surr)

Curve Fit: **AVERAGE RF**

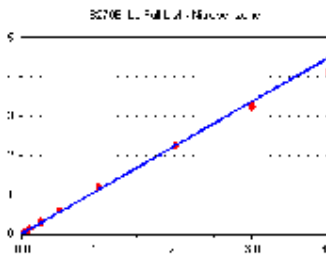


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1932	1.007	7.35
0E01048-CAL2	50	4906	0.993	7.35
0E01048-CAL3	100	10384	1.086	7.35
0E01048-CAL4	200	21119	1.165	7.35
0E01048-CAL5	500	54703	1.193	7.35
0E01048-CAL6	1000	110753	1.229	7.35
0E01048-CAL7	2000	215838	1.210	7.35
0E01048-CAL8	4000	401506	1.148	7.36
0E01048-CAL9	6000	567191	1.142	7.37
0E01048-CALA	8000	719111	1.102	7.37

AVE RF 1.127 RF RSD 7.15 AVE RT 7.36

Nitrobenzene

Curve Fit: **AVERAGE RF**

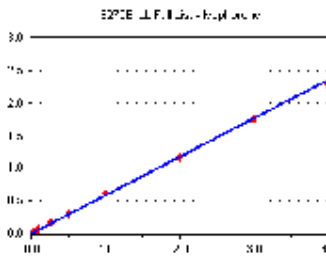


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1961	1.022	7.37
0E01048-CAL2	50	5092	1.030	7.37
0E01048-CAL3	100	11151	1.167	7.37
0E01048-CAL4	200	20957	1.156	7.37
0E01048-CAL5	500	56770	1.238	7.37
0E01048-CAL6	1000	106757	1.185	7.37
0E01048-CAL7	2000	211732	1.187	7.38
0E01048-CAL8	4000	390099	1.115	7.38
0E01048-CAL9	6000	538665	1.084	7.39
0E01048-CALA	8000	675628	1.035	7.39

AVE RF 1.122 RF RSD 6.78 AVE RT 7.37

Isophorone

Curve Fit: **AVERAGE RF**

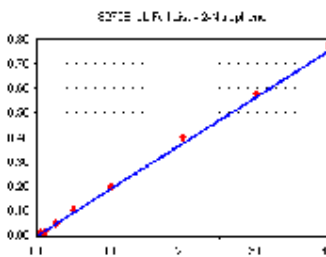


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	3772	0.515	7.61
0E01048-CAL2	50	9735	0.543	7.61
0E01048-CAL3	100	21958	0.611	7.61
0E01048-CAL4	200	42630	0.615	7.61
0E01048-CAL5	500	106164	0.624	7.61
0E01048-CAL6	1000	207129	0.615	7.61
0E01048-CAL7	2000	400253	0.614	7.61
0E01048-CAL8	4000	745397	0.586	7.62
0E01048-CAL9	6000	1085451	0.582	7.63
0E01048-CALA	8000	1387142	0.571	7.64

AVE RF 0.588 RF RSD 6.11 AVE RT 7.61

2-Nitrophenol

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	743	0.402	7.70
0E01048-CAL2	50	4969	0.409	7.70
0E01048-CAL3	100	5456	0.152	7.69
0E01048-CAL4	200	11238	0.162	7.69
0E01048-CAL5	500	33472	0.197	7.69
0E01048-CAL6	1000	70564	0.210	7.69
0E01048-CAL7	2000	130953	0.201	7.70
0E01048-CAL8	4000	254617	0.200	7.70
0E01048-CAL9	6000	359445	0.193	7.70
0E01048-CALA	8000	470113	0.193	7.70

AVE RF 0.188 RF RSD 10.78 AVE RT 7.70

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

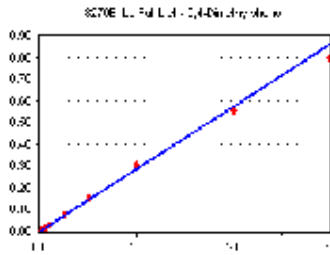
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

2,4-Dimethylphenol

Curve Fit: **AVERAGE RF**

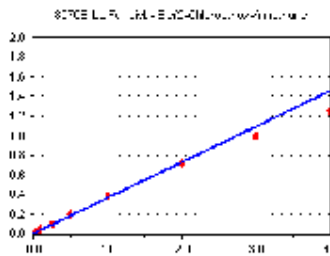


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4504	0.206	7.72
0E01048-CAL2	50	4417	0.246	7.72
0E01048-CAL3	100	9568	0.266	7.72
0E01048-CAL4	200	20813	0.300	7.72
0E01048-CAL5	500	53592	0.315	7.72
0E01048-CAL6	1000	106366	0.316	7.72
0E01048-CAL7	2000	197821	0.303	7.73
0E01048-CAL8	4000	351489	0.277	7.73
0E01048-CAL9	6000	496307	0.266	7.74
0E01048-CALA	8000	624408	0.267	7.74

AVE RF 0.286 RF RSD 9.05 AVE RT 7.73

Bis(2-Chloroethoxy) methane

Curve Fit: **AVERAGE RF**

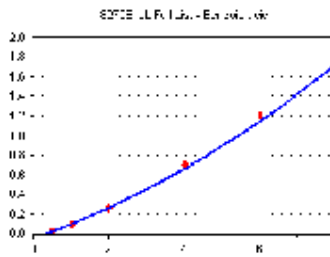


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2531	0.346	7.81
0E01048-CAL2	50	6717	0.375	7.81
0E01048-CAL3	100	13856	0.385	7.81
0E01048-CAL4	200	26612	0.384	7.81
0E01048-CAL5	500	67001	0.394	7.81
0E01048-CAL6	1000	128175	0.381	7.81
0E01048-CAL7	2000	249308	0.382	7.82
0E01048-CAL8	4000	453427	0.357	7.83
0E01048-CAL9	6000	615100	0.330	7.83
0E01048-CALA	8000	762034	0.314	7.83

AVE RF 0.365 RF RSD 7.40 AVE RT 7.82

Benzoic acid

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

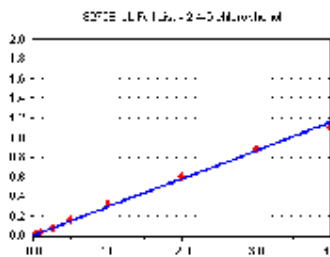


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	40	423	2.890	7.92
0E01048-CAL2	100	480	5.049	7.73
0E01048-CAL3	200	469	6.523	7.76
0E01048-CAL4	400	1715	1.238	7.76
0E01048-CAL5	1000	14918	4.382	7.78
0E01048-CAL6	2000	56683	0.084	7.81
0E01048-CAL7	4000	167185	0.128	7.84
0E01048-CAL8	8000	443484	0.174	7.89
0E01048-CAL9	12000	754829	0.202	7.92
0E01048-CALA	16000	992195	0.204	7.93

AVE RF 0.140 RF RSD 47.21 AVE RT 7.86

2,4-Dichlorophenol

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4526	0.208	7.93
0E01048-CAL2	50	4099	0.229	7.93
0E01048-CAL3	100	9523	0.265	7.93
0E01048-CAL4	200	19883	0.287	7.93
0E01048-CAL5	500	53024	0.311	7.93
0E01048-CAL6	1000	105774	0.314	7.93
0E01048-CAL7	2000	210329	0.323	7.94
0E01048-CAL8	4000	384242	0.302	7.94
0E01048-CAL9	6000	541260	0.290	7.94
0E01048-CALA	8000	670509	0.276	7.95

AVE RF 0.289 RF RSD 10.14 AVE RT 7.94

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

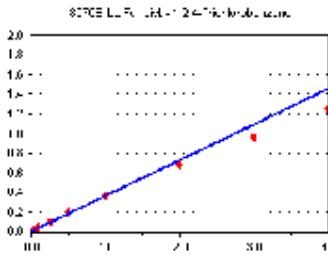
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

1,2,4-Trichlorobenzene

Curve Fit: **AVERAGE RF**

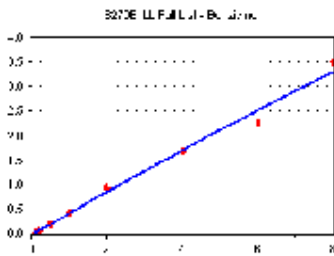


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2793	0.382	8.02
0E01048-CAL2	50	6705	0.374	8.02
0E01048-CAL3	100	13851	0.385	8.02
0E01048-CAL4	200	27062	0.391	8.02
0E01048-CAL5	500	67284	0.395	8.02
0E01048-CAL6	1000	128491	0.382	8.02
0E01048-CAL7	2000	239774	0.368	8.02
0E01048-CAL8	4000	435878	0.343	8.03
0E01048-CAL9	6000	598290	0.321	8.03
0E01048-CALA	8000	760344	0.313	8.03

AVE RF 0.365 RF RSD 8.05 AVE RT 8.02

Benzidine

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

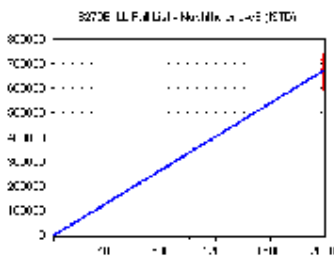


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	40	4586	0.432	12.90
0E01048-CAL2	100	3900	0.436	12.90
0E01048-CAL3	200	10676	0.165	12.90
0E01048-CAL4	400	32317	0.254	12.90
0E01048-CAL5	1000	122263	0.388	12.90
0E01048-CAL6	2000	273104	0.425	12.90
0E01048-CAL7	4000	596002	0.463	12.92
0E01048-CAL8	8000	1057265	0.422	0.00
0E01048-CAL9	12000	1394496	0.377	0.00
0E01048-CALA	16000	2171552	0.439	0.00

AVE RF 0.367 RF RSD 28.14 AVE RT 8.06

Naphthalene-d8 (ISTD)

Curve Fit: **AVERAGE RF**

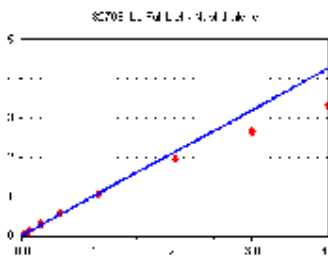


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	2000	731955	365.978	8.08
0E01048-CAL2	2000	717228	358.614	8.08
0E01048-CAL3	2000	719013	359.507	8.08
0E01048-CAL4	2000	692848	346.424	8.08
0E01048-CAL5	2000	680915	340.458	8.08
0E01048-CAL6	2000	673130	336.565	8.08
0E01048-CAL7	2000	652077	326.038	8.08
0E01048-CAL8	2000	635505	317.753	8.09
0E01048-CAL9	2000	621657	310.828	8.09
0E01048-CALA	2000	607439	303.720	8.09

AVE RF 336.588 RF RSD 6.41 AVE RT 8.08

Naphthalene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	8211	1.122	8.10
0E01048-CAL2	50	21366	1.192	8.10
0E01048-CAL3	100	41691	1.160	8.10
0E01048-CAL4	200	81565	1.177	8.10
0E01048-CAL5	500	198240	1.165	8.10
0E01048-CAL6	1000	377684	1.122	8.10
0E01048-CAL7	2000	693722	1.064	8.10
0E01048-CAL8	4000	1228640	0.967	8.11
0E01048-CAL9	6000	1645822	0.882	8.11
0E01048-CALA	8000	2025811	0.834	8.11

AVE RF 1.068 RF RSD 12.10 AVE RT 8.11

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

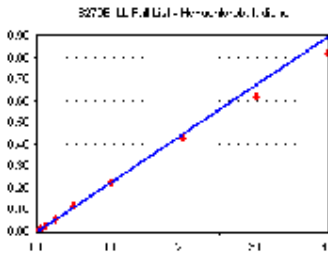
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

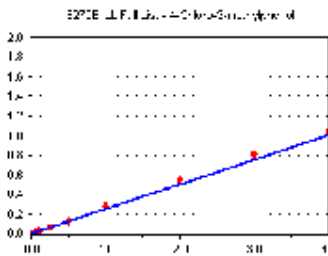


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1579	0.216	8.23
0E01048-CAL2	50	4330	0.241	8.23
0E01048-CAL3	100	8263	0.230	8.23
0E01048-CAL4	200	16461	0.238	8.23
0E01048-CAL5	500	40832	0.240	8.23
0E01048-CAL6	1000	77201	0.229	8.23
0E01048-CAL7	2000	146383	0.224	8.23
0E01048-CAL8	4000	270996	0.213	8.24
0E01048-CAL9	6000	385170	0.207	8.24
0E01048-CALA	8000	495957	0.204	8.24

AVE RF 0.224 RF RSD 6.11 AVE RT 8.23

4-Chloro-3-methylphenol

Curve Fit: **AVERAGE RF**

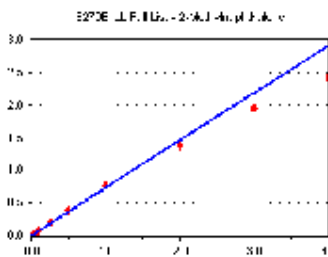


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4076	0.447	8.63
0E01048-CAL2	50	3304	0.184	8.63
0E01048-CAL3	100	7712	0.215	8.63
0E01048-CAL4	200	16620	0.240	8.63
0E01048-CAL5	500	45413	0.267	8.62
0E01048-CAL6	1000	90591	0.269	8.63
0E01048-CAL7	2000	184384	0.283	8.63
0E01048-CAL8	4000	351606	0.277	8.63
0E01048-CAL9	6000	501798	0.269	8.63
0E01048-CALA	8000	629786	0.259	8.64

AVE RF 0.251 RF RSD 13.00 AVE RT 8.63

2-Methylnaphthalene

Curve Fit: **AVERAGE RF**

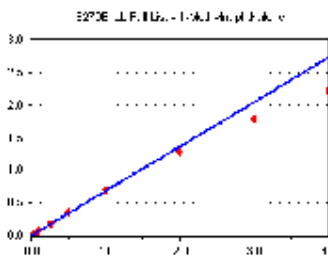


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4968	0.679	8.80
0E01048-CAL2	50	13555	0.756	8.80
0E01048-CAL3	100	28255	0.786	8.80
0E01048-CAL4	200	55698	0.804	8.80
0E01048-CAL5	500	132345	0.777	8.80
0E01048-CAL6	1000	257721	0.766	8.80
0E01048-CAL7	2000	493469	0.757	8.80
0E01048-CAL8	4000	877955	0.691	8.81
0E01048-CAL9	6000	1210517	0.649	8.81
0E01048-CALA	8000	1471994	0.606	8.81

AVE RF 0.727 RF RSD 9.12 AVE RT 8.80

1-Methylnaphthalene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	5104	0.697	8.91
0E01048-CAL2	50	12870	0.718	8.91
0E01048-CAL3	100	27373	0.761	8.91
0E01048-CAL4	200	51095	0.737	8.90
0E01048-CAL5	500	123884	0.728	8.91
0E01048-CAL6	1000	237648	0.706	8.91
0E01048-CAL7	2000	451130	0.692	8.91
0E01048-CAL8	4000	809740	0.637	8.91
0E01048-CAL9	6000	1107064	0.594	8.91
0E01048-CALA	8000	1344642	0.553	8.91

AVE RF 0.682 RF RSD 9.77 AVE RT 8.91

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

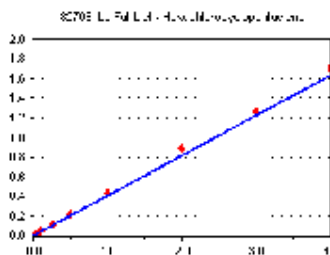
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Hexachlorocyclopentadiene

Curve Fit: **AVERAGE RF**

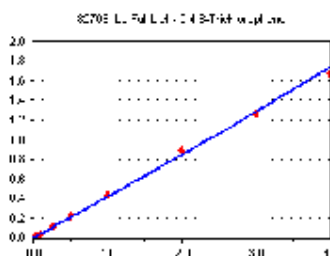


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1207	0.337	8.97
0E01048-CAL2	50	3097	0.363	8.97
0E01048-CAL3	100	6851	0.385	8.97
0E01048-CAL4	200	13997	0.402	8.97
0E01048-CAL5	500	36462	0.436	8.97
0E01048-CAL6	1000	73630	0.434	8.97
0E01048-CAL7	2000	147214	0.437	8.98
0E01048-CAL8	4000	284487	0.443	8.98
0E01048-CAL9	6000	412390	0.422	8.98
0E01048-CALA	8000	536854	0.428	8.98

AVE RF 0.409 RF RSD 8.79 AVE RT 8.97

2,4,6-Trichlorophenol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

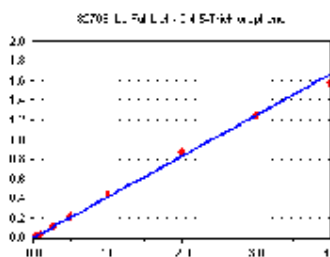


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	759	0.212	9.09
0E01048-CAL2	50	2246	0.263	9.09
0E01048-CAL3	100	6196	0.348	9.08
0E01048-CAL4	200	12664	0.364	9.08
0E01048-CAL5	500	36271	0.433	9.08
0E01048-CAL6	1000	75420	0.445	9.08
0E01048-CAL7	2000	145792	0.433	9.09
0E01048-CAL8	4000	286551	0.446	9.09
0E01048-CAL9	6000	411313	0.421	9.09
0E01048-CALA	8000	526956	0.420	9.09

AVE RF 0.379 RF RSD 21.65 AVE RT 9.09

2,4,5-Trichlorophenol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

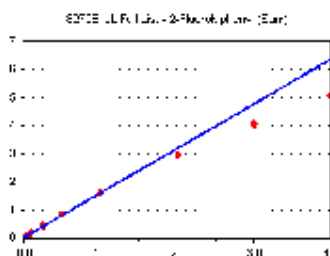


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	819	0.229	9.12
0E01048-CAL2	50	2298	0.269	9.12
0E01048-CAL3	100	5978	0.336	9.12
0E01048-CAL4	200	12930	0.372	9.12
0E01048-CAL5	500	36303	0.434	9.12
0E01048-CAL6	1000	73502	0.433	9.12
0E01048-CAL7	2000	150181	0.446	9.12
0E01048-CAL8	4000	281418	0.438	9.12
0E01048-CAL9	6000	405084	0.414	9.13
0E01048-CALA	8000	495222	0.395	9.13

AVE RF 0.377 RF RSD 20.14 AVE RT 9.12

2-Fluorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	5848	1.635	9.17
0E01048-CAL2	50	14529	1.703	9.17
0E01048-CAL3	100	31404	1.766	9.17
0E01048-CAL4	200	60557	1.741	9.17
0E01048-CAL5	500	145387	1.737	9.17
0E01048-CAL6	1000	281689	1.661	9.17
0E01048-CAL7	2000	535435	1.591	9.17
0E01048-CAL8	4000	947130	1.474	9.17
0E01048-CAL9	6000	1323459	1.353	9.18
0E01048-CALA	8000	1596212	1.272	9.18

AVE RF 1.593 RF RSD 10.79 AVE RT 9.17

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

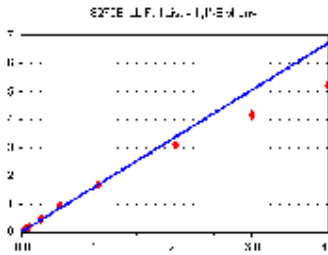
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

1,1'-Biphenyl

Curve Fit: **AVERAGE RF**

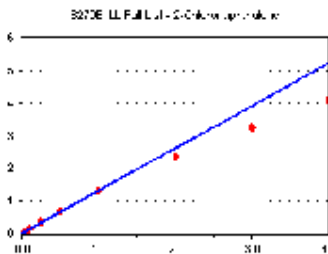


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	6111	1.708	9.27
0E01048-CAL2	50	15507	1.818	9.27
0E01048-CAL3	100	33925	1.908	9.27
0E01048-CAL4	200	64137	1.844	9.27
0E01048-CAL5	500	153742	1.837	9.27
0E01048-CAL6	1000	301856	1.780	9.27
0E01048-CAL7	2000	564946	1.678	9.27
0E01048-CAL8	4000	996176	1.550	9.28
0E01048-CAL9	6000	1359592	1.390	9.28
0E01048-CALA	8000	1633908	1.302	9.29

AVE RF 1.682 RF RSD 12.18 AVE RT 9.28

2-Chloronaphthalene

Curve Fit: **AVERAGE RF**

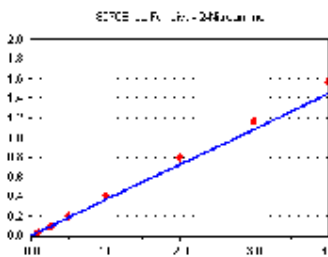


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4995	1.396	9.30
0E01048-CAL2	50	11987	1.405	9.30
0E01048-CAL3	100	26139	1.470	9.30
0E01048-CAL4	200	50017	1.438	9.30
0E01048-CAL5	500	117743	1.407	9.30
0E01048-CAL6	1000	230860	1.361	9.30
0E01048-CAL7	2000	434449	1.291	9.30
0E01048-CAL8	4000	765622	1.191	9.31
0E01048-CAL9	6000	1059335	1.083	9.31
0E01048-CALA	8000	1278066	1.018	9.31

AVE RF 1.306 RF RSD 12.01 AVE RT 9.30

2-Nitroaniline

Curve Fit: **AVERAGE RF**

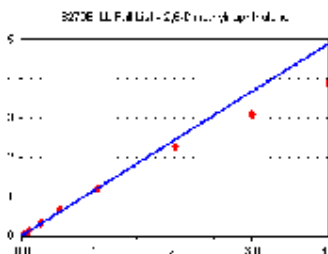


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	584	0.162	9.39
0E01048-CAL2	50	4497	0.176	9.39
0E01048-CAL3	100	4785	0.269	9.39
0E01048-CAL4	200	10206	0.293	9.39
0E01048-CAL5	500	30298	0.362	9.39
0E01048-CAL6	1000	65577	0.387	9.39
0E01048-CAL7	2000	136747	0.406	9.40
0E01048-CAL8	4000	258700	0.403	9.40
0E01048-CAL9	6000	382203	0.391	9.41
0E01048-CALA	8000	490776	0.391	9.41

AVE RF 0.363 RF RSD 14.44 AVE RT 9.40

2,6-Dimethylnaphthalene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4365	1.220	9.43
0E01048-CAL2	50	11180	1.311	9.44
0E01048-CAL3	100	23962	1.348	9.44
0E01048-CAL4	200	47338	1.361	9.43
0E01048-CAL5	500	111733	1.335	9.44
0E01048-CAL6	1000	218308	1.287	9.44
0E01048-CAL7	2000	412298	1.225	9.44
0E01048-CAL8	4000	728975	1.134	9.44
0E01048-CAL9	6000	1003034	1.026	9.45
0E01048-CALA	8000	1220442	0.972	9.45

AVE RF 1.222 RF RSD 11.20 AVE RT 9.44

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

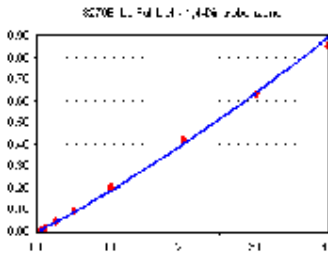
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

1,4-Dinitrobenzene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

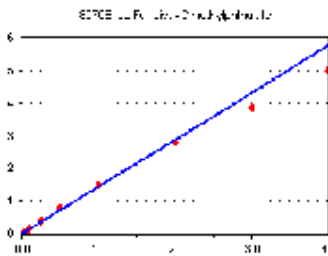


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	224	6.179	9.52
0E01048-CAL2	50	660	7.738	9.52
0E01048-CAL3	100	1916	0.108	9.52
0E01048-CAL4	200	4549	0.131	9.52
0E01048-CAL5	500	13891	0.166	9.52
0E01048-CAL6	1000	31602	0.186	9.52
0E01048-CAL7	2000	69428	0.206	9.53
0E01048-CAL8	4000	136292	0.212	9.53
0E01048-CAL9	6000	205994	0.211	9.54
0E01048-CALA	8000	267475	0.213	9.54

AVE RF 0.168 RF RSD 30.40 AVE RT 9.52

Dimethylphthalate

Curve Fit: **AVERAGE RF**

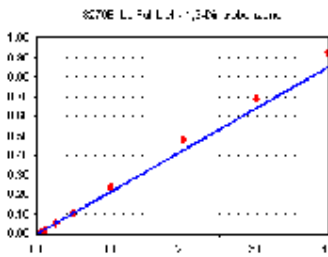


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4603	1.287	9.57
0E01048-CAL2	50	12248	1.436	9.57
0E01048-CAL3	100	27818	1.565	9.57
0E01048-CAL4	200	55476	1.595	9.57
0E01048-CAL5	500	132075	1.578	9.57
0E01048-CAL6	1000	259401	1.529	9.57
0E01048-CAL7	2000	499048	1.483	9.58
0E01048-CAL8	4000	894138	1.391	9.58
0E01048-CAL9	6000	1257398	1.286	9.60
0E01048-CALA	8000	1572205	1.253	9.60

AVE RF 1.440 RF RSD 9.06 AVE RT 9.58

1,3-Dinitrobenzene

Curve Fit: **AVERAGE RF**

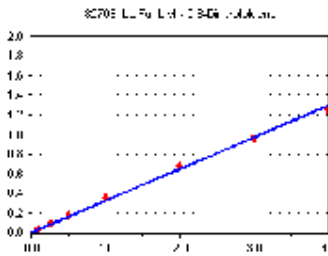


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	296	8.275	9.61
0E01048-CAL2	50	893	0.405	9.60
0E01048-CAL3	100	2780	0.156	9.60
0E01048-CAL4	200	5993	0.172	9.60
0E01048-CAL5	500	18060	0.216	9.60
0E01048-CAL6	1000	37452	0.221	9.60
0E01048-CAL7	2000	79439	0.236	9.61
0E01048-CAL8	4000	154967	0.241	9.62
0E01048-CAL9	6000	223699	0.229	9.62
0E01048-CALA	8000	290499	0.231	9.63

AVE RF 0.213 RF RSD 14.69 AVE RT 9.61

2,6-Dinitrotoluene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	664	0.454	9.63
0E01048-CAL2	50	4733	0.203	9.63
0E01048-CAL3	100	4956	0.279	9.63
0E01048-CAL4	200	10708	0.308	9.63
0E01048-CAL5	500	28845	0.345	9.63
0E01048-CAL6	1000	57671	0.340	9.63
0E01048-CAL7	2000	118828	0.353	9.64
0E01048-CAL8	4000	219135	0.341	9.64
0E01048-CAL9	6000	313636	0.321	9.65
0E01048-CALA	8000	393388	0.313	9.65

AVE RF 0.325 RF RSD 7.57 AVE RT 9.64

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

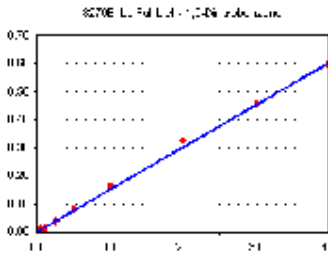
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

1,2-Dinitrobenzene

Curve Fit: **AVERAGE RF**

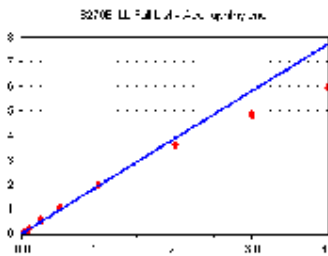


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	228	6.374	9.69
0E01048-CAL2	50	779	9.433	9.69
0E01048-CAL3	100	2197	0.124	9.69
0E01048-CAL4	200	4556	0.131	9.69
0E01048-CAL5	500	13224	0.158	9.69
0E01048-CAL6	1000	27052	0.159	9.69
0E01048-CAL7	2000	55084	0.164	9.70
0E01048-CAL8	4000	104188	0.162	9.71
0E01048-CAL9	6000	149729	0.153	9.72
0E01048-CALA	8000	187132	0.149	9.72

AVE RF 0.150 RF RSD 9.95 AVE RT 9.70

Acenaphthylene

Curve Fit: **AVERAGE RF**

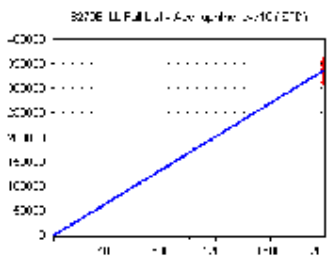


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	6575	1.838	9.72
0E01048-CAL2	50	17439	2.044	9.72
0E01048-CAL3	100	38044	2.140	9.72
0E01048-CAL4	200	75817	2.180	9.72
0E01048-CAL5	500	183911	2.197	9.72
0E01048-CAL6	1000	352233	2.077	9.72
0E01048-CAL7	2000	673465	2.001	9.73
0E01048-CAL8	4000	1161710	1.808	9.73
0E01048-CAL9	6000	1585324	1.621	9.73
0E01048-CALA	8000	1874093	1.493	9.73

AVE RF 1.940 RF RSD 12.47 AVE RT 9.73

Acenaphthene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

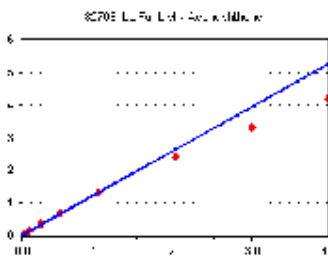


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	2000	357685	178.843	9.87
0E01048-CAL2	2000	341194	170.597	9.87
0E01048-CAL3	2000	355600	177.800	9.87
0E01048-CAL4	2000	347809	173.905	9.87
0E01048-CAL5	2000	334768	167.384	9.87
0E01048-CAL6	2000	339213	169.607	9.87
0E01048-CAL7	2000	336578	168.289	9.87
0E01048-CAL8	2000	321338	160.669	9.87
0E01048-CAL9	2000	325974	162.987	9.87
0E01048-CALA	2000	313797	156.899	9.88

AVE RF 168.698 RF RSD 4.22 AVE RT 9.87

Acenaphthene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4764	1.332	9.90
0E01048-CAL2	50	12562	1.473	9.90
0E01048-CAL3	100	25073	1.410	9.90
0E01048-CAL4	200	50397	1.449	9.90
0E01048-CAL5	500	118657	1.418	9.90
0E01048-CAL6	1000	231769	1.367	9.90
0E01048-CAL7	2000	440129	1.308	9.91
0E01048-CAL8	4000	767014	1.193	9.91
0E01048-CAL9	6000	1076553	1.101	9.91
0E01048-CALA	8000	1314111	1.047	9.92

AVE RF 1.310 RF RSD 11.31 AVE RT 9.90

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

Calibration Date:

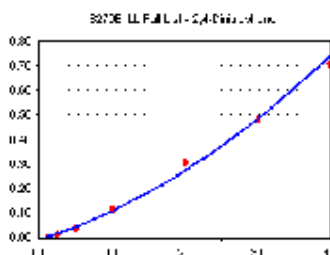
05/05/2020

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

2,4-Dinitrophenol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

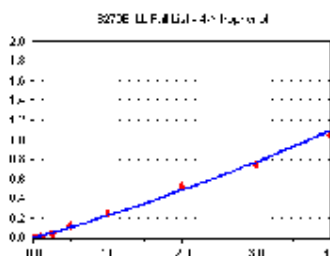


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	0	0.000	0.00
0E01048-CAL2	50	0	0.000	0.00
0E01048-CAL3	100	186	1.046	9.92
0E01048-CAL4	200	590	1.696	9.91
0E01048-CAL5	500	4171	0.050	9.91
0E01048-CAL6	1000	13736	8.099	9.91
0E01048-CAL7	2000	39777	0.118	9.92
0E01048-CAL8	4000	98071	0.153	9.92
0E01048-CAL9	6000	158485	0.162	9.93
0E01048-CALA	8000	222605	0.177	9.93

AVE RF 0.108 RF RSD 56.21 AVE RT 9.92

4-Nitrophenol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

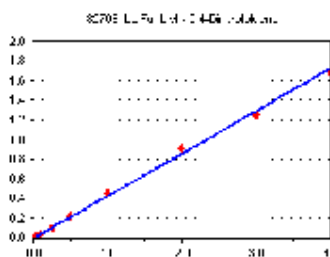


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	183	5.416	9.97
0E01048-CAL2	50	426	4.994	9.96
0E01048-CAL3	100	1906	0.107	9.96
0E01048-CAL4	200	4625	0.133	9.96
0E01048-CAL5	500	16246	0.194	9.96
0E01048-CAL6	1000	38821	0.229	9.96
0E01048-CAL7	2000	83836	0.249	9.97
0E01048-CAL8	4000	167465	0.261	9.98
0E01048-CAL9	6000	244656	0.250	9.99
0E01048-CALA	8000	328927	0.262	10.00

AVE RF 0.193 RF RSD 40.38 AVE RT 9.97

2,4-Dinitrotoluene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

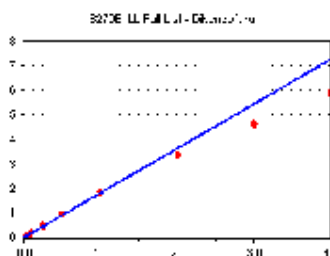


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	603	0.169	10.04
0E01048-CAL2	50	1933	0.227	10.04
0E01048-CAL3	100	4977	0.280	10.04
0E01048-CAL4	200	11730	0.337	10.04
0E01048-CAL5	500	34026	0.407	10.04
0E01048-CAL6	1000	72794	0.429	10.04
0E01048-CAL7	2000	152328	0.453	10.05
0E01048-CAL8	4000	290214	0.452	10.06
0E01048-CAL9	6000	409733	0.419	10.07
0E01048-CALA	8000	528085	0.421	10.07

AVE RF 0.380 RF RSD 21.21 AVE RT 10.05

Dibenzofuran

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	6693	1.871	10.08
0E01048-CAL2	50	15584	1.827	10.08
0E01048-CAL3	100	35418	1.992	10.08
0E01048-CAL4	200	69462	1.997	10.08
0E01048-CAL5	500	164955	1.971	10.08
0E01048-CAL6	1000	321608	1.896	10.08
0E01048-CAL7	2000	619598	1.841	10.08
0E01048-CAL8	4000	1089674	1.696	10.08
0E01048-CAL9	6000	1509514	1.544	10.09
0E01048-CALA	8000	1853746	1.477	10.09

AVE RF 1.811 RF RSD 10.11 AVE RT 10.08

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

Calibration Date:

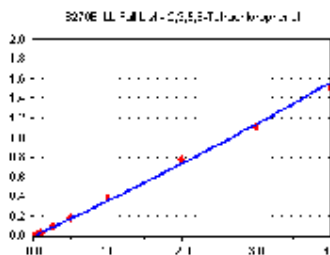
05/05/2020

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

2,3,5,6-Tetrachlorophenol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

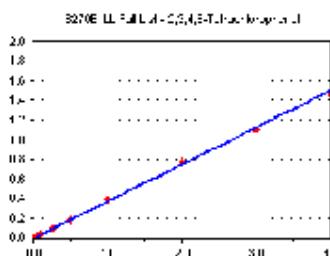


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	293	8.492	10.16
0E01048-CAL2	50	1097	0.129	10.16
0E01048-CAL3	100	3387	0.190	10.16
0E01048-CAL4	200	8629	0.248	10.15
0E01048-CAL5	500	27343	0.327	10.16
0E01048-CAL6	1000	61190	0.361	10.16
0E01048-CAL7	2000	128576	0.382	10.16
0E01048-CAL8	4000	249569	0.388	10.16
0E01048-CAL9	6000	362239	0.370	10.16
0E01048-CALA	8000	473333	0.377	10.17

AVE RF 0.308 RF RSD 31.08 AVE RT 10.16

2,3,4,6-Tetrachlorophenol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

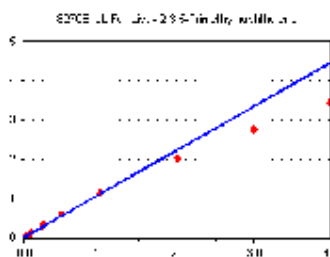


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	383	0.407	10.21
0E01048-CAL2	50	1453	0.170	10.20
0E01048-CAL3	100	4311	0.242	10.20
0E01048-CAL4	200	10787	0.310	10.20
0E01048-CAL5	500	29826	0.356	10.20
0E01048-CAL6	1000	62656	0.369	10.20
0E01048-CAL7	2000	129498	0.385	10.21
0E01048-CAL8	4000	247870	0.386	10.21
0E01048-CAL9	6000	358335	0.366	10.21
0E01048-CALA	8000	465875	0.371	10.21

AVE RF 0.329 RF RSD 22.80 AVE RT 10.20

2,3,5-Trimethylnaphthalene

Curve Fit: **AVERAGE RF**

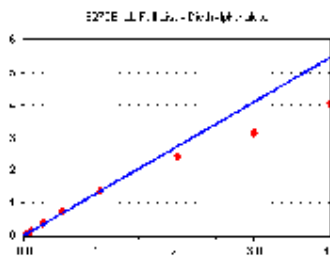


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	3993	1.116	10.29
0E01048-CAL2	50	9734	1.141	10.29
0E01048-CAL3	100	21856	1.229	10.29
0E01048-CAL4	200	44649	1.284	10.29
0E01048-CAL5	500	108132	1.292	10.29
0E01048-CAL6	1000	203355	1.199	10.29
0E01048-CAL7	2000	378517	1.125	10.29
0E01048-CAL8	4000	648195	1.009	10.30
0E01048-CAL9	6000	895832	0.916	10.30
0E01048-CALA	8000	1081008	0.861	10.30

AVE RF 1.117 RF RSD 13.21 AVE RT 10.29

Diethylphthalate

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4954	1.385	10.29
0E01048-CAL2	50	12841	1.505	10.29
0E01048-CAL3	100	27495	1.546	10.29
0E01048-CAL4	200	53766	1.546	10.29
0E01048-CAL5	500	129544	1.548	10.29
0E01048-CAL6	1000	247936	1.462	10.29
0E01048-CAL7	2000	455636	1.354	10.30
0E01048-CAL8	4000	786255	1.223	10.30
0E01048-CAL9	6000	1028926	1.052	10.31
0E01048-CALA	8000	1270464	1.012	10.31

AVE RF 1.363 RF RSD 14.89 AVE RT 10.29

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

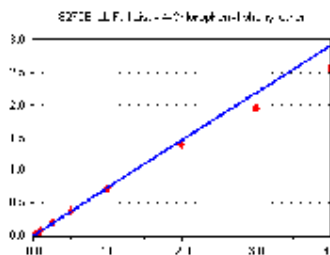
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

4-Chlorophenyl phenyl ether

Curve Fit: **AVERAGE RF**

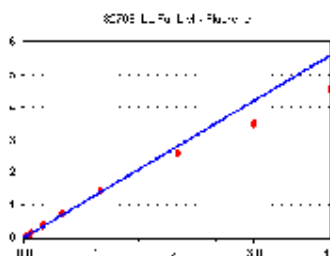


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2587	0.723	10.42
0E01048-CAL2	50	6122	0.718	10.42
0E01048-CAL3	100	14011	0.788	10.42
0E01048-CAL4	200	27516	0.791	10.42
0E01048-CAL5	500	66625	0.796	10.42
0E01048-CAL6	1000	126110	0.744	10.42
0E01048-CAL7	2000	244428	0.726	10.42
0E01048-CAL8	4000	447464	0.696	10.42
0E01048-CAL9	6000	631834	0.646	10.42
0E01048-CALA	8000	801674	0.639	10.43

AVE RF 0.727 RF RSD 7.71 AVE RT 10.42

Fluorene

Curve Fit: **AVERAGE RF**

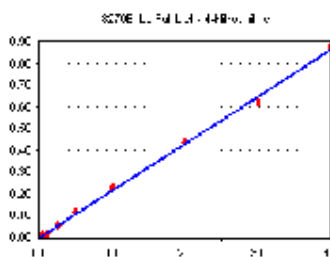


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4850	1.356	10.42
0E01048-CAL2	50	11179	1.311	10.42
0E01048-CAL3	100	27734	1.560	10.43
0E01048-CAL4	200	55055	1.583	10.42
0E01048-CAL5	500	135494	1.619	10.42
0E01048-CAL6	1000	252058	1.486	10.43
0E01048-CAL7	2000	480963	1.429	10.43
0E01048-CAL8	4000	836388	1.301	10.44
0E01048-CAL9	6000	1143948	1.170	10.44
0E01048-CALA	8000	1419760	1.131	10.44

AVE RF 1.395 RF RSD 12.18 AVE RT 10.43

4-Nitroaniline

Curve Fit: **AVERAGE RF**

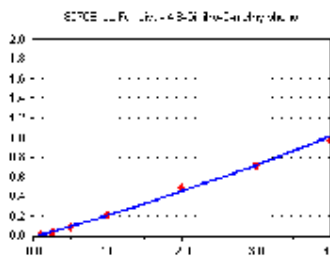


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	433	0.121	10.43
0E01048-CAL2	50	1234	0.145	10.43
0E01048-CAL3	100	3272	0.184	10.43
0E01048-CAL4	200	7453	0.214	10.43
0E01048-CAL5	500	18421	0.220	10.43
0E01048-CAL6	1000	38891	0.229	10.43
0E01048-CAL7	2000	76264	0.227	10.44
0E01048-CAL8	4000	141155	0.220	10.45
0E01048-CAL9	6000	203041	0.208	10.46
0E01048-CALA	8000	273695	0.218	10.46

AVE RF 0.215 RF RSD 6.60 AVE RT 10.44

4,6-Dinitro-2-methylphenol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	0	0.000	0.00
0E01048-CAL2	50	437	1.606	10.46
0E01048-CAL3	100	765	4.303	10.46
0E01048-CAL4	200	2570	7.389	10.46
0E01048-CAL5	500	11323	0.135	10.46
0E01048-CAL6	1000	30354	0.179	10.46
0E01048-CAL7	2000	72474	0.215	10.47
0E01048-CAL8	4000	156895	0.244	10.48
0E01048-CAL9	6000	232609	0.238	10.49
0E01048-CALA	8000	306192	0.244	10.49

AVE RF 0.190 RF RSD 34.24 AVE RT 10.47

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

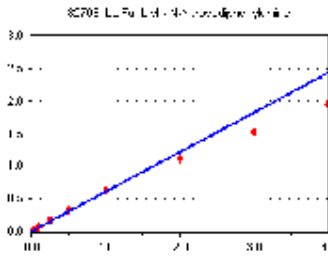
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

N-Nitrosodiphenylamine

Curve Fit: **AVERAGE RF**

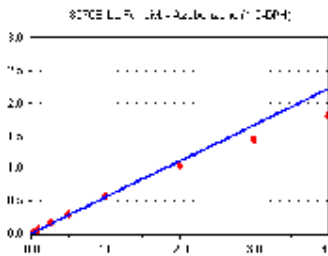


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	3338	0.555	10.53
0E01048-CAL2	50	8596	0.598	10.53
0E01048-CAL3	100	21618	0.670	10.54
0E01048-CAL4	200	44173	0.695	10.53
0E01048-CAL5	500	110562	0.701	10.53
0E01048-CAL6	1000	214512	0.667	10.54
0E01048-CAL7	2000	408855	0.635	10.54
0E01048-CAL8	4000	702299	0.560	10.55
0E01048-CAL9	6000	942017	0.510	10.55
0E01048-CALA	8000	1205586	0.487	10.55

AVE RF 0.608 RF RSD 12.73 AVE RT 10.54

Azobenzene (1,2-DPH)

Curve Fit: **AVERAGE RF**

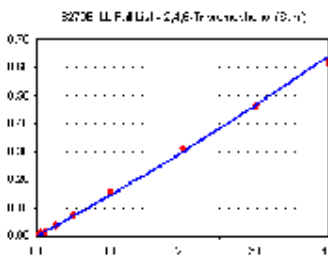


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	3045	0.506	10.58
0E01048-CAL2	50	8356	0.581	10.58
0E01048-CAL3	100	19007	0.589	10.58
0E01048-CAL4	200	39378	0.620	10.58
0E01048-CAL5	500	97518	0.618	10.58
0E01048-CAL6	1000	191839	0.597	10.58
0E01048-CAL7	2000	372273	0.579	10.58
0E01048-CAL8	4000	651181	0.519	10.59
0E01048-CAL9	6000	888474	0.481	10.59
0E01048-CALA	8000	1110225	0.448	10.60

AVE RF 0.554 RF RSD 10.91 AVE RT 10.58

2,4,6-Tribromophenol (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

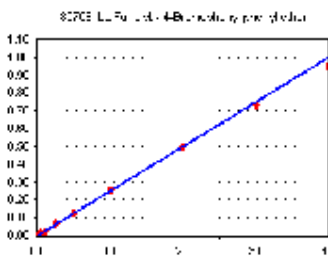


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	445	7.395	10.67
0E01048-CAL2	50	1336	9.289	10.67
0E01048-CAL3	100	3853	0.119	10.68
0E01048-CAL4	200	8155	0.128	10.67
0E01048-CAL5	500	22448	0.142	10.67
0E01048-CAL6	1000	47944	0.149	10.67
0E01048-CAL7	2000	99669	0.155	10.68
0E01048-CAL8	4000	195059	0.156	10.68
0E01048-CAL9	6000	287674	0.156	10.69
0E01048-CALA	8000	380681	0.154	10.69

AVE RF 0.133 RF RSD 21.88 AVE RT 10.68

4-Bromophenyl phenyl ether

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1403	0.233	10.92
0E01048-CAL2	50	3567	0.248	10.92
0E01048-CAL3	100	8166	0.253	10.92
0E01048-CAL4	200	16553	0.261	10.92
0E01048-CAL5	500	41767	0.265	10.92
0E01048-CAL6	1000	81757	0.254	10.92
0E01048-CAL7	2000	163489	0.254	10.92
0E01048-CAL8	4000	311932	0.249	10.93
0E01048-CAL9	6000	451078	0.244	10.93
0E01048-CALA	8000	588449	0.238	10.93

AVE RF 0.250 RF RSD 3.89 AVE RT 10.92

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

Calibration Date:

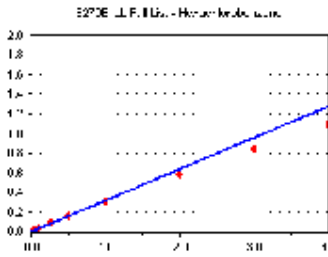
05/05/2020

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Hexachlorobenzene

Curve Fit: **AVERAGE RF**

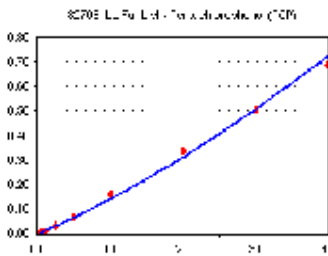


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	2025	0.337	11.00
0E01048-CAL2	50	5084	0.353	11.00
0E01048-CAL3	100	11614	0.360	11.00
0E01048-CAL4	200	22342	0.352	11.00
0E01048-CAL5	500	53003	0.336	11.00
0E01048-CAL6	1000	102514	0.319	11.00
0E01048-CAL7	2000	195498	0.304	11.01
0E01048-CAL8	4000	362746	0.289	11.01
0E01048-CAL9	6000	517399	0.280	11.01
0E01048-CALA	8000	672890	0.272	11.01

AVE RF 0.320 RF RSD 10.09 AVE RT 11.01

Pentachlorophenol (PCP)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

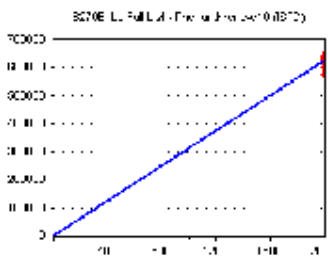


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	402	4.695	11.20
0E01048-CAL2	50	552	3.838	11.20
0E01048-CAL3	100	2358	0.073	11.19
0E01048-CAL4	200	5400	8.502	11.19
0E01048-CAL5	500	18897	0.120	11.19
0E01048-CAL6	1000	45305	0.141	11.19
0E01048-CAL7	2000	103626	0.161	11.20
0E01048-CAL8	4000	211120	0.168	11.20
0E01048-CAL9	6000	312170	0.169	11.20
0E01048-CALA	8000	425010	0.172	11.21

AVE RF 0.125 RF RSD 39.28 AVE RT 11.20

Phenanthrene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

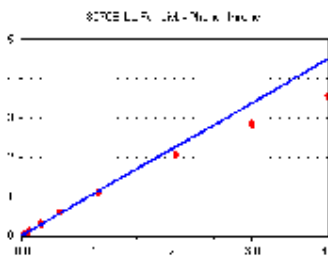


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	2000	601725	300.863	11.39
0E01048-CAL2	2000	575287	287.643	11.39
0E01048-CAL3	2000	645096	322.548	11.39
0E01048-CAL4	2000	635167	317.583	11.39
0E01048-CAL5	2000	630899	315.450	11.39
0E01048-CAL6	2000	643209	321.605	11.39
0E01048-CAL7	2000	643513	321.757	11.39
0E01048-CAL8	2000	626814	313.407	11.39
0E01048-CAL9	2000	615884	307.942	11.40
0E01048-CALA	2000	618950	309.475	11.40

AVE RF 311.827 RF RSD 3.52 AVE RT 11.39

Phenanthrene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	7531	1.252	11.41
0E01048-CAL2	50	17339	1.206	11.41
0E01048-CAL3	100	39573	1.227	11.41
0E01048-CAL4	200	78539	1.237	11.41
0E01048-CAL5	500	192437	1.220	11.41
0E01048-CAL6	1000	374187	1.164	11.41
0E01048-CAL7	2000	702306	1.091	11.42
0E01048-CAL8	4000	1281640	1.022	11.42
0E01048-CAL9	6000	1749249	0.947	11.42
0E01048-CALA	8000	2205671	0.891	11.42

AVE RF 1.126 RF RSD 11.63 AVE RT 11.42

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

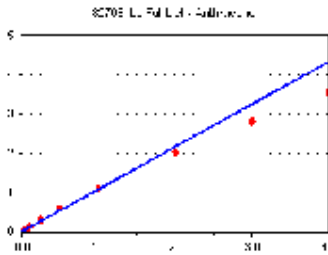
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Anthracene

Curve Fit: **AVERAGE RF**

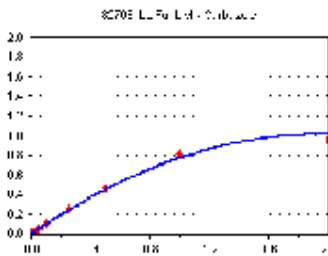


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	6216	1.033	11.46
0E01048-CAL2	50	15713	1.093	11.46
0E01048-CAL3	100	37735	1.170	11.46
0E01048-CAL4	200	76033	1.197	11.46
0E01048-CAL5	500	189259	1.200	11.46
0E01048-CAL6	1000	374197	1.164	11.46
0E01048-CAL7	2000	712315	1.107	11.47
0E01048-CAL8	4000	1278996	1.020	11.47
0E01048-CAL9	6000	1732004	0.937	11.48
0E01048-CALA	8000	2197141	0.887	11.48

AVE RF 1.081 RF RSD 10.10 AVE RT 11.47

Carbazole

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

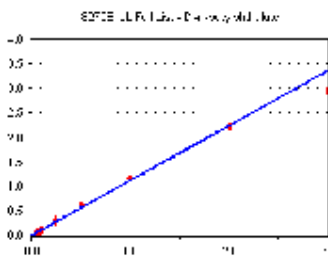


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4414	0.734	11.62
0E01048-CAL2	50	12342	0.858	11.62
0E01048-CAL3	100	29809	0.924	11.62
0E01048-CAL4	200	61914	0.975	11.62
0E01048-CAL5	500	158571	1.005	11.62
0E01048-CAL6	1000	298950	0.930	11.62
0E01048-CAL7	2000	523258	0.813	11.63
0E01048-CAL8	4000	602292	0.480	11.63
0E01048-CAL9	6000	685344	0.374	11.63
0E01048-CALA	8000	4042183	0.424	11.63

AVE RF 0.840 RF RSD 20.24 AVE RT 11.62

Di-n-butylphthalate

Curve Fit: **AVERAGE RF**

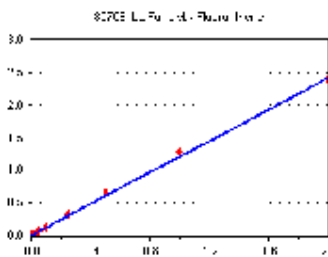


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	6086	0.845	11.96
0E01048-CAL2	50	13365	0.929	11.96
0E01048-CAL3	100	33644	1.043	11.97
0E01048-CAL4	200	70740	1.114	11.96
0E01048-CAL5	500	192660	1.221	11.97
0E01048-CAL6	1000	394866	1.228	11.97
0E01048-CAL7	2000	751793	1.168	11.98
0E01048-CAL8	4000	1394915	1.113	11.98
0E01048-CAL9	6000	1828582	0.990	11.98
0E01048-CALA	8000	2399403	0.969	11.98

AVE RF 1.125 RF RSD 7.87 AVE RT 11.97

Fluoranthene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	5907	0.982	12.74
0E01048-CAL2	50	15666	1.089	12.74
0E01048-CAL3	100	38512	1.194	12.74
0E01048-CAL4	200	81473	1.283	12.74
0E01048-CAL5	500	207862	1.318	12.74
0E01048-CAL6	1000	422934	1.315	12.74
0E01048-CAL7	2000	825251	1.282	12.75
0E01048-CAL8	4000	1505186	1.201	12.75
0E01048-CAL9	6000	2040843	1.088	12.76
0E01048-CALA	8000	2637205	1.065	12.76

AVE RF 1.208 RF RSD 9.91 AVE RT 12.74

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

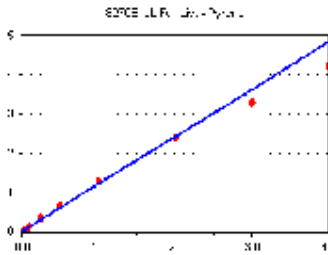
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Pyrene

Curve Fit: **AVERAGE RF**

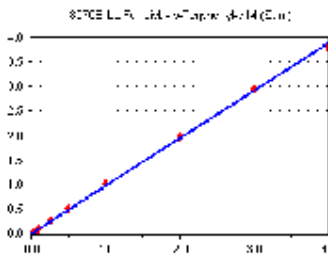


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	6308	1.048	13.06
0E01048-CAL2	50	16274	1.132	13.06
0E01048-CAL3	100	40211	1.247	13.06
0E01048-CAL4	200	83478	1.314	13.06
0E01048-CAL5	500	219139	1.389	13.06
0E01048-CAL6	1000	423172	1.316	13.06
0E01048-CAL7	2000	829284	1.289	13.07
0E01048-CAL8	4000	1501003	1.197	13.07
0E01048-CAL9	6000	2033824	1.101	13.07
0E01048-CALA	8000	2616481	1.057	13.08

AVE RF 1.209 RF RSD 9.93 AVE RT 13.06

p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

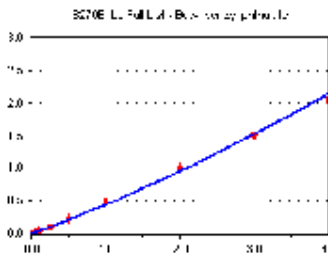


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4927	0.765	13.28
0E01048-CAL2	50	13754	0.895	13.28
0E01048-CAL3	100	33303	1.000	13.27
0E01048-CAL4	200	66177	1.008	13.27
0E01048-CAL5	500	170092	1.056	13.27
0E01048-CAL6	1000	335419	1.037	13.27
0E01048-CAL7	2000	649225	1.022	13.29
0E01048-CAL8	4000	1222290	0.991	13.29
0E01048-CAL9	6000	1636098	0.982	13.29
0E01048-CALA	8000	2208764	0.953	13.29

AVE RF 0.971 RF RSD 8.78 AVE RT 13.28

Butyl benzyl phthalate

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

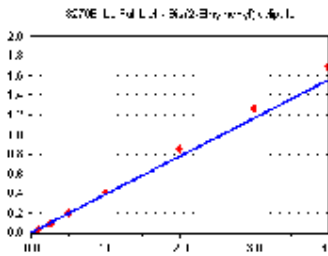


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4032	0.160	14.16
0E01048-CAL2	50	3054	0.199	14.16
0E01048-CAL3	100	8439	0.253	14.15
0E01048-CAL4	200	19934	0.304	14.16
0E01048-CAL5	500	64881	0.403	14.15
0E01048-CAL6	1000	145488	0.450	14.15
0E01048-CAL7	2000	304776	0.480	14.17
0E01048-CAL8	4000	625201	0.507	14.17
0E01048-CAL9	6000	839217	0.504	14.17
0E01048-CALA	8000	1186472	0.512	14.18

AVE RF 0.401 RF RSD 29.86 AVE RT 14.16

Bis(2-Ethylhexyl) adipate

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	1334	0.207	14.34
0E01048-CAL2	50	3428	0.204	14.35
0E01048-CAL3	100	7943	0.239	14.35
0E01048-CAL4	200	18549	0.282	14.34
0E01048-CAL5	500	58573	0.364	14.34
0E01048-CAL6	1000	123453	0.381	14.34
0E01048-CAL7	2000	263361	0.414	14.37
0E01048-CAL8	4000	529388	0.429	14.36
0E01048-CAL9	6000	700244	0.420	14.36
0E01048-CALA	8000	982873	0.424	14.37

AVE RF 0.388 RF RSD 13.52 AVE RT 14.35

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

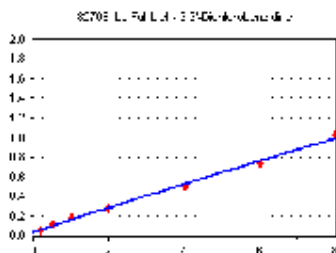
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

3,3'-Dichlorobenzidine

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

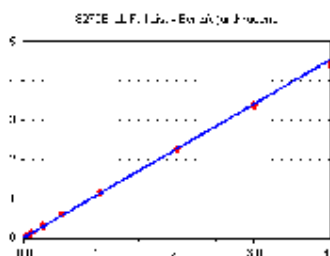


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	40	2444	0.189	0.00
0E01048-CAL2	100	6397	0.208	0.00
0E01048-CAL3	200	46151	0.243	46.33
0E01048-CAL4	400	34852	0.265	15.33
0E01048-CAL5	1000	70720	0.220	15.33
0E01048-CAL6	2000	118777	0.184	15.33
0E01048-CAL7	4000	178328	0.140	15.37
0E01048-CAL8	8000	309410	0.125	15.37
0E01048-CAL9	12000	405603	0.122	15.37
0E01048-CALA	16000	596438	0.129	15.38

AVE RF 0.169 RF RSD 32.93 AVE RT 15.35

Benz(a)anthracene

Curve Fit: **AVERAGE RF**

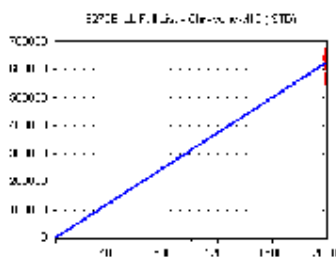


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	7626	1.184	15.38
0E01048-CAL2	50	16598	1.080	15.38
0E01048-CAL3	100	36118	1.085	15.38
0E01048-CAL4	200	74103	1.128	15.37
0E01048-CAL5	500	188950	1.173	15.38
0E01048-CAL6	1000	376853	1.165	15.38
0E01048-CAL7	2000	742522	1.168	15.40
0E01048-CAL8	4000	1395465	1.131	15.40
0E01048-CAL9	6000	1868254	1.122	15.41
0E01048-CALA	8000	2560645	1.104	15.41

AVE RF 1.134 RF RSD 3.29 AVE RT 15.39

Chrysene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

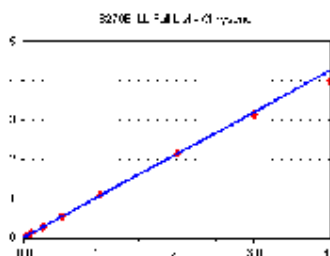


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	2000	644210	322.105	15.40
0E01048-CAL2	2000	614670	307.335	15.41
0E01048-CAL3	2000	665942	332.971	15.40
0E01048-CAL4	2000	656760	328.380	15.40
0E01048-CAL5	2000	644327	322.163	15.40
0E01048-CAL6	2000	647204	323.602	15.40
0E01048-CAL7	2000	635452	317.726	15.43
0E01048-CAL8	2000	616881	308.440	15.43
0E01048-CAL9	2000	555110	277.555	15.43
0E01048-CALA	2000	579608	289.804	15.44

AVE RF 313.008 RF RSD 5.62 AVE RT 15.42

Chrysene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	6450	1.001	15.46
0E01048-CAL2	50	16614	1.081	15.46
0E01048-CAL3	100	35070	1.053	15.46
0E01048-CAL4	200	73042	1.112	15.46
0E01048-CAL5	500	182412	1.132	15.46
0E01048-CAL6	1000	354860	1.097	15.46
0E01048-CAL7	2000	694601	1.093	15.49
0E01048-CAL8	4000	1316345	1.067	15.50
0E01048-CAL9	6000	1740049	1.045	15.50
0E01048-CALA	8000	2318563	1.000	15.51

AVE RF 1.068 RF RSD 4.13 AVE RT 15.47

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

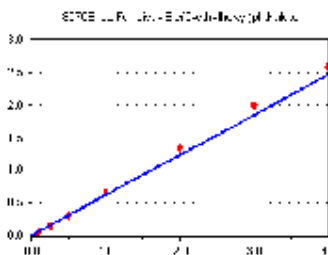
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Bis(2-ethylhexyl)phthalate

Curve Fit: **AVERAGE RF**

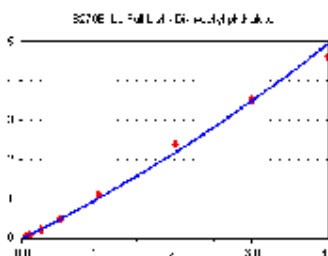


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4624	0.262	15.54
0E01048-CAL2	50	3824	0.249	15.54
0E01048-CAL3	100	40710	0.322	15.54
0E01048-CAL4	200	28975	0.441	15.54
0E01048-CAL5	500	94935	0.589	15.54
0E01048-CAL6	1000	203493	0.629	15.54
0E01048-CAL7	2000	423910	0.667	15.56
0E01048-CAL8	4000	831541	0.674	15.56
0E01048-CAL9	6000	1106114	0.664	15.56
0E01048-CALA	8000	1495426	0.645	15.57

AVE RF 0.616 RF RSD 13.36 AVE RT 15.56

Di-n-octyl phthalate

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

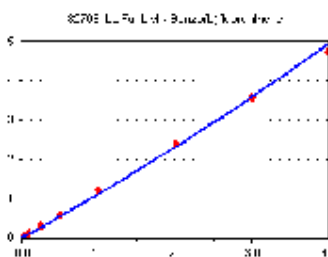


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4654	0.260	17.22
0E01048-CAL2	50	4377	0.284	17.23
0E01048-CAL3	100	11376	0.355	17.22
0E01048-CAL4	200	29855	0.470	17.23
0E01048-CAL5	500	120023	0.766	17.22
0E01048-CAL6	1000	298544	0.939	17.22
0E01048-CAL7	2000	680919	1.103	17.25
0E01048-CAL8	4000	1442635	1.184	17.25
0E01048-CAL9	6000	1961816	1.176	17.25
0E01048-CALA	8000	2730088	1.159	17.26

AVE RF 0.894 RF RSD 37.00 AVE RT 17.24

Benzo(b)fluoranthene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

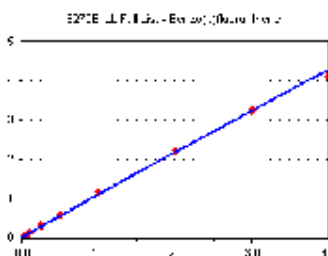


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4506	0.709	18.00
0E01048-CAL2	50	11950	0.766	18.01
0E01048-CAL3	100	28427	0.887	18.00
0E01048-CAL4	200	62932	0.991	18.00
0E01048-CAL5	500	178050	1.137	18.00
0E01048-CAL6	1000	358795	1.129	18.00
0E01048-CAL7	2000	746356	1.209	18.04
0E01048-CAL8	4000	1458700	1.198	18.04
0E01048-CAL9	6000	1988669	1.192	18.05
0E01048-CALA	8000	2786424	1.183	18.06

AVE RF 1.040 RF RSD 18.25 AVE RT 18.02

Benzo(k)fluoranthene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4338	0.682	18.07
0E01048-CAL2	50	11834	0.759	18.07
0E01048-CAL3	100	29681	0.926	18.07
0E01048-CAL4	200	65220	1.027	18.07
0E01048-CAL5	500	184628	1.179	18.07
0E01048-CAL6	1000	369147	1.162	18.07
0E01048-CAL7	2000	719032	1.164	18.11
0E01048-CAL8	4000	1354141	1.112	18.11
0E01048-CAL9	6000	1807757	1.083	18.12
0E01048-CALA	8000	2426885	1.030	18.13

AVE RF 1.012 RF RSD 17.08 AVE RT 18.09

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

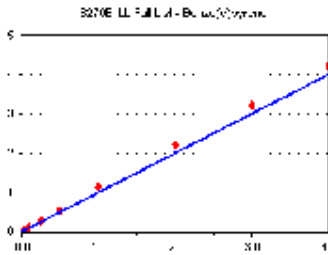
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Benzo(e)pyrene

Curve Fit: **AVERAGE RF**

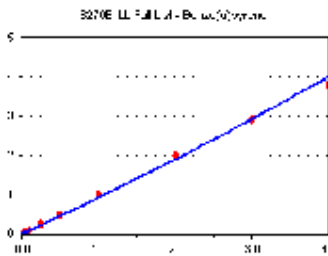


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	4525	0.712	18.66
0E01048-CAL2	50	12046	0.772	18.67
0E01048-CAL3	100	29328	0.915	18.66
0E01048-CAL4	200	64740	1.019	18.66
0E01048-CAL5	500	173884	1.110	18.66
0E01048-CAL6	1000	349256	1.099	18.67
0E01048-CAL7	2000	695034	1.125	18.69
0E01048-CAL8	4000	1356699	1.114	18.71
0E01048-CAL9	6000	1792904	1.074	18.71
0E01048-CALA	8000	2485374	1.055	18.73

AVE RF 1.000 RF RSD 14.97 AVE RT 18.68

Benzo(a)pyrene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

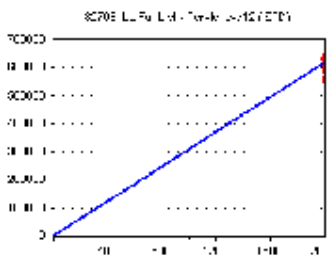


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	3486	0.548	18.78
0E01048-CAL2	50	9823	0.630	18.79
0E01048-CAL3	100	22302	0.696	18.78
0E01048-CAL4	200	51841	0.816	18.78
0E01048-CAL5	500	149810	0.956	18.78
0E01048-CAL6	1000	308919	0.972	18.78
0E01048-CAL7	2000	620228	1.004	18.82
0E01048-CAL8	4000	1212487	0.995	18.83
0E01048-CAL9	6000	1628683	0.976	18.83
0E01048-CALA	8000	2233306	0.948	18.85

AVE RF 0.854 RF RSD 19.93 AVE RT 18.80

Perylene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

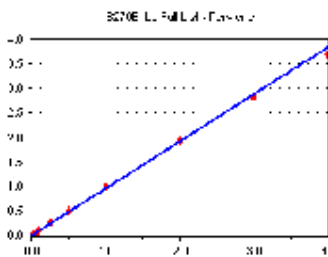


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	2000	635623	317.812	18.93
0E01048-CAL2	2000	623785	311.893	18.93
0E01048-CAL3	2000	641096	320.548	18.93
0E01048-CAL4	2000	635068	317.534	18.93
0E01048-CAL5	2000	626511	313.255	18.93
0E01048-CAL6	2000	635590	317.795	18.93
0E01048-CAL7	2000	617587	308.793	18.96
0E01048-CAL8	2000	609005	304.503	18.96
0E01048-CAL9	2000	556224	278.112	18.96
0E01048-CALA	2000	589023	294.512	18.97

AVE RF 308.476 RF RSD 4.28 AVE RT 18.94

Perylene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	5620	0.884	18.99
0E01048-CAL2	50	14498	0.930	18.99
0E01048-CAL3	100	31802	0.992	18.99
0E01048-CAL4	200	62205	0.980	18.98
0E01048-CAL5	500	160709	1.026	18.99
0E01048-CAL6	1000	315421	0.993	18.99
0E01048-CAL7	2000	616962	0.999	19.02
0E01048-CAL8	4000	1175455	0.965	19.04
0E01048-CAL9	6000	1575409	0.944	19.04
0E01048-CALA	8000	2173662	0.923	19.05

AVE RF 0.963 RF RSD 4.45 AVE RT 19.01

Element Calibration Review Sheet

Calibration ID: **A0E0506**

Instrument: **SV-GCMS10**

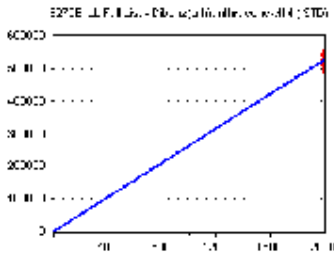
Calibration Date: **05/05/2020**

Analysis: **8270E LL Full List**

Instrument Cal ID: **A0E0506**

Dibenz(a,h)anthracene-d14 (ISTD)

Curve Fit: **AVERAGE RF**

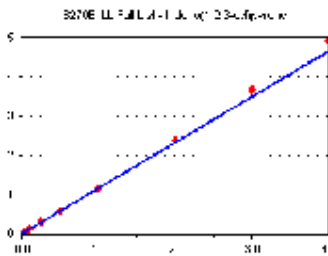


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	2000	508993	254.497	21.34
0E01048-CAL2	2000	506876	253.438	21.34
0E01048-CAL3	2000	525064	262.532	21.33
0E01048-CAL4	2000	528573	264.287	21.33
0E01048-CAL5	2000	518018	259.009	21.33
0E01048-CAL6	2000	543591	271.795	21.34
0E01048-CAL7	2000	539634	269.817	21.36
0E01048-CAL8	2000	544489	272.245	21.37
0E01048-CAL9	2000	497217	248.608	21.38
0E01048-CALA	2000	540731	270.365	21.38

AVE RF 262.659 RF RSD 3.24 AVE RT 21.35

Indeno(1,2,3-cd)pyrene

Curve Fit: **AVERAGE RF**

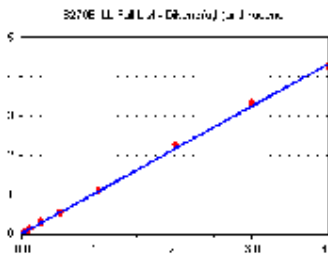


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	5874	1.154	21.33
0E01048-CAL2	50	14434	1.139	21.34
0E01048-CAL3	100	29561	1.126	21.33
0E01048-CAL4	200	58782	1.112	21.32
0E01048-CAL5	500	152136	1.175	21.33
0E01048-CAL6	1000	307747	1.132	21.33
0E01048-CAL7	2000	624900	1.158	21.37
0E01048-CAL8	4000	1288601	1.183	21.39
0E01048-CAL9	6000	1822387	1.222	21.39
0E01048-CALA	8000	2652583	1.226	21.41

AVE RF 1.163 RF RSD 3.34 AVE RT 21.35

Dibenz(a,h)anthracene

Curve Fit: **AVERAGE RF**

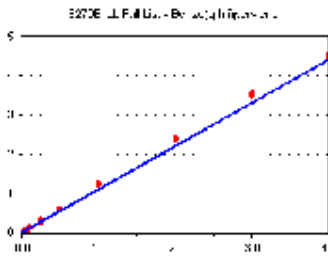


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	5072	0.996	21.40
0E01048-CAL2	50	12714	1.003	21.41
0E01048-CAL3	100	27359	1.042	21.39
0E01048-CAL4	200	57576	1.089	21.39
0E01048-CAL5	500	148631	1.148	21.39
0E01048-CAL6	1000	300075	1.104	21.40
0E01048-CAL7	2000	601594	1.115	21.43
0E01048-CAL8	4000	1233028	1.132	21.45
0E01048-CAL9	6000	1647572	1.105	21.45
0E01048-CALA	8000	2315467	1.071	21.46

AVE RF 1.081 RF RSD 4.80 AVE RT 21.42

Benzo(g,h,i)perylene

Curve Fit: **AVERAGE RF**

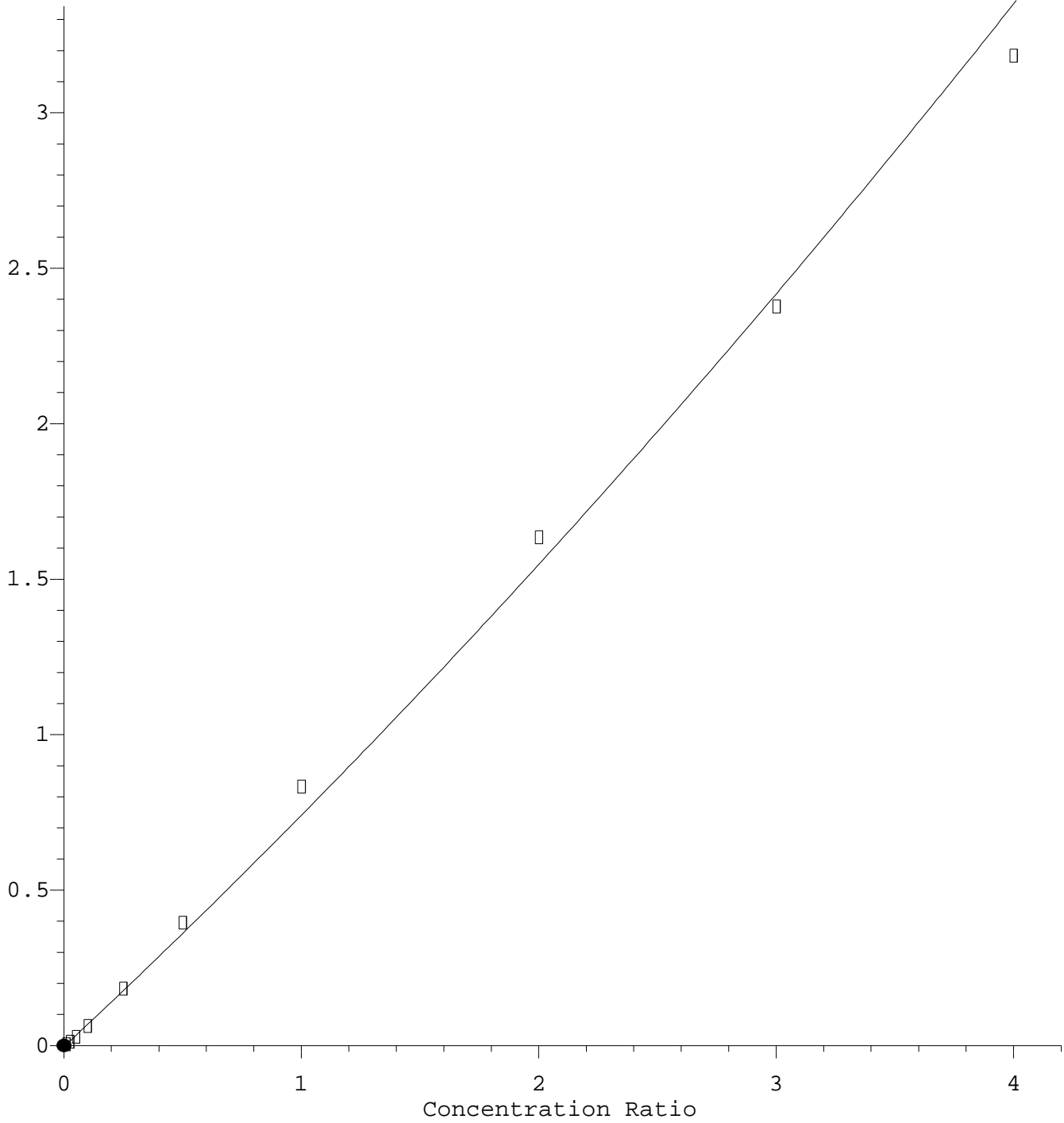


Standard	Concentration	Response	Response Factor	RT
0E01048-CAL1	20	3952	0.776	21.88
0E01048-CAL2	50	11357	0.896	21.88
0E01048-CAL3	100	27334	1.041	21.87
0E01048-CAL4	200	58466	1.106	21.87
0E01048-CAL5	500	158826	1.226	21.87
0E01048-CAL6	1000	328120	1.207	21.88
0E01048-CAL7	2000	669317	1.240	21.91
0E01048-CAL8	4000	1315312	1.208	21.93
0E01048-CAL9	6000	1758939	1.179	21.94
0E01048-CALA	8000	2433679	1.125	21.96

AVE RF 1.101 RF RSD 14.06 AVE RT 21.90

Benzyl alcohol

Response Ratio

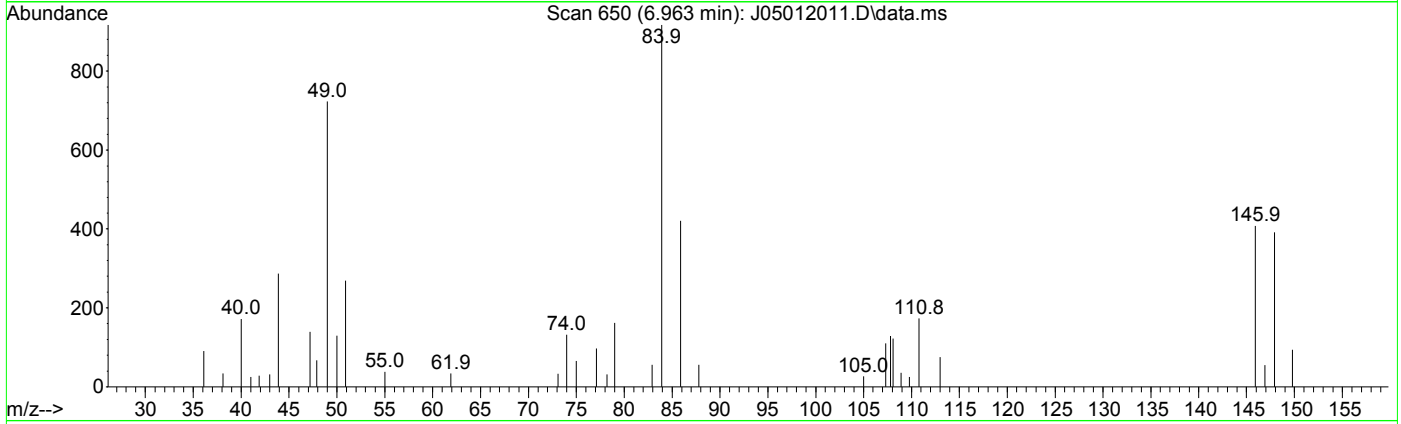
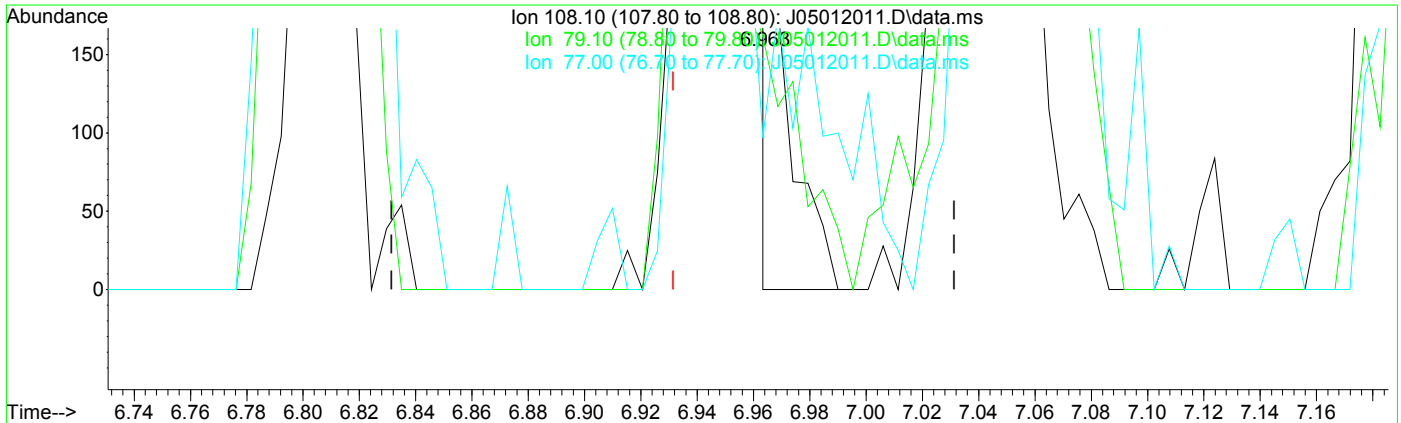


$R = 3.15e-002 A^2 + 7.12e-001 A - 3.07e-003$
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

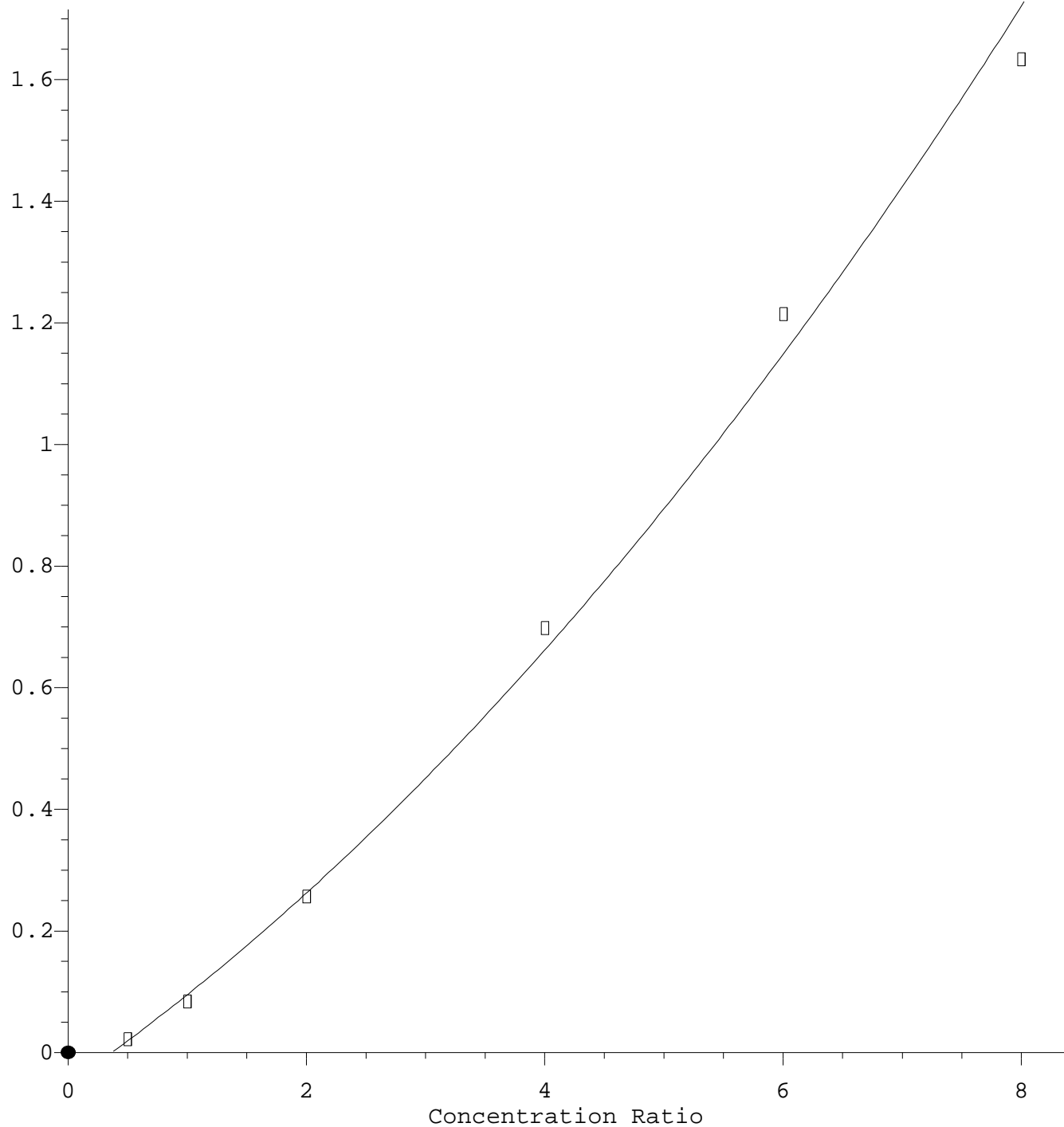


TIC: J05012011.D\data.ms

(12) Benzyl alcohol (T)		
6.963min (+ 0.032)	10.31	ng/ml m
response	116	
Ion	Exp%	Act%
108.10	100.00	100.00
79.10	104.80	125.58
77.00	64.10	75.19
0.00	0.00	0.00

Benzoic acid

Response Ratio

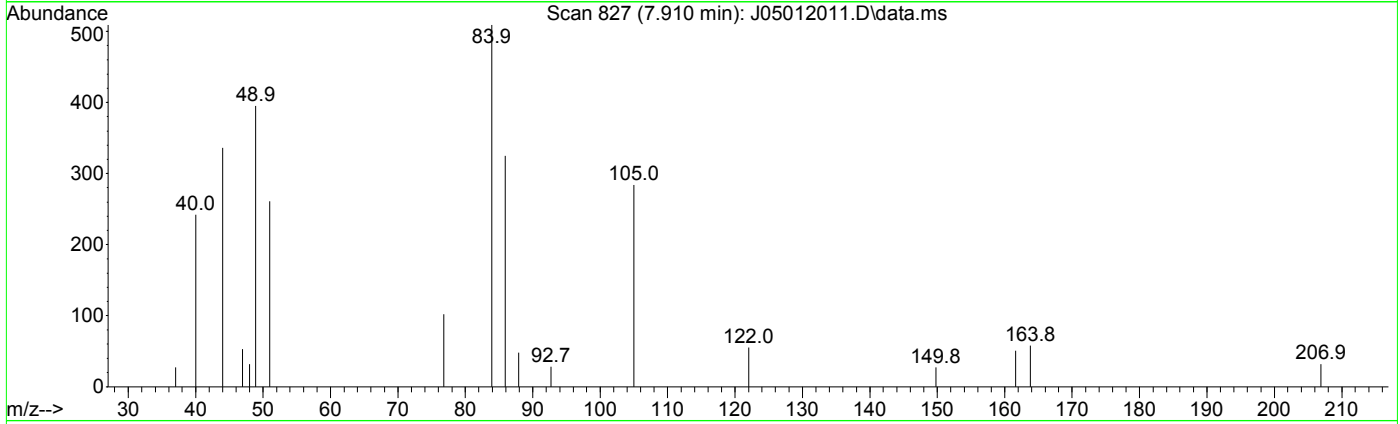
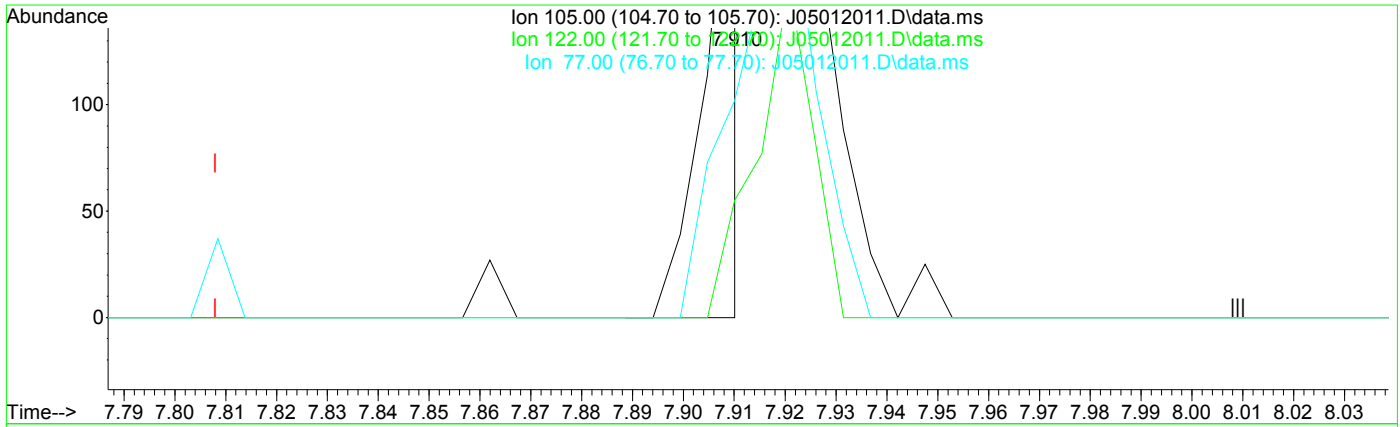


$R = 1.08e-002 A^2 + 1.35e-001 A - 5.07e-002$
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

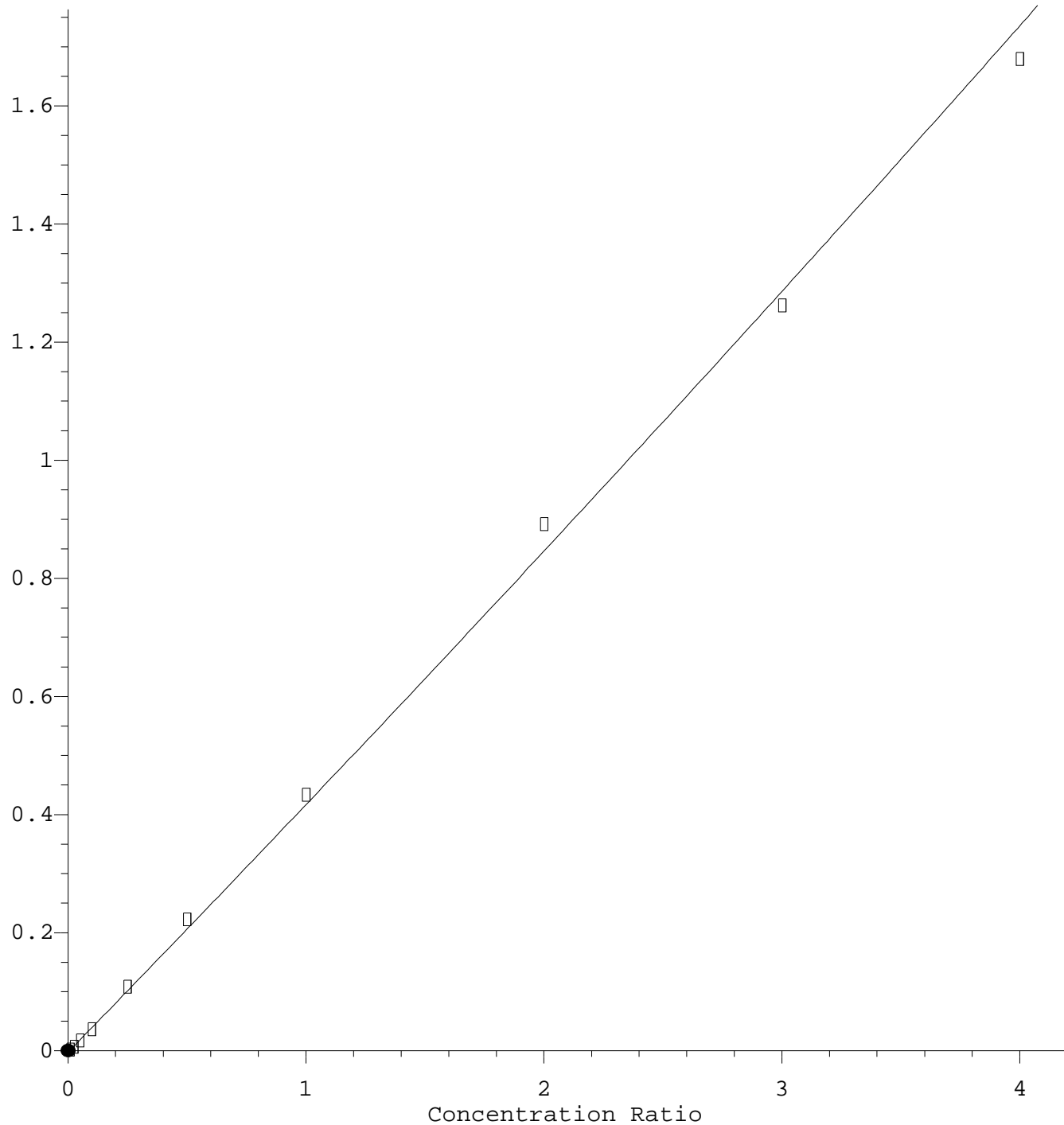


TIC: J05012011.D\data.ms

(26) Benzoic acid (T)		
Ion	Exp%	Act%
7.910min (+ 0.102) 732.38 ng/ml m		
response	140	
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	19.37#
77.00	61.50	35.92
0.00	0.00	0.00

2,4,6-Trichlorophenol

Response Ratio

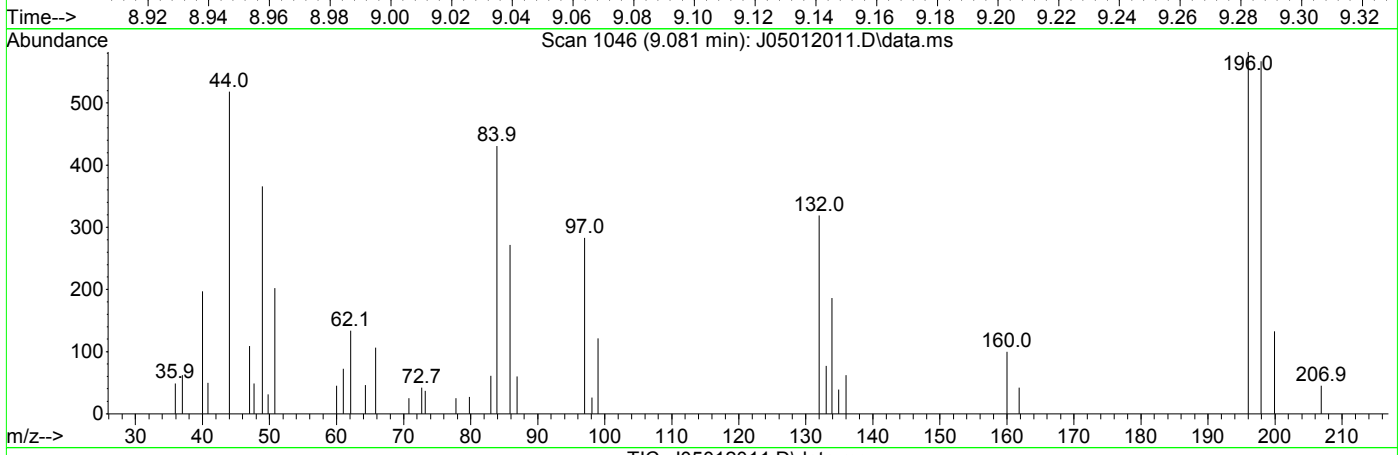
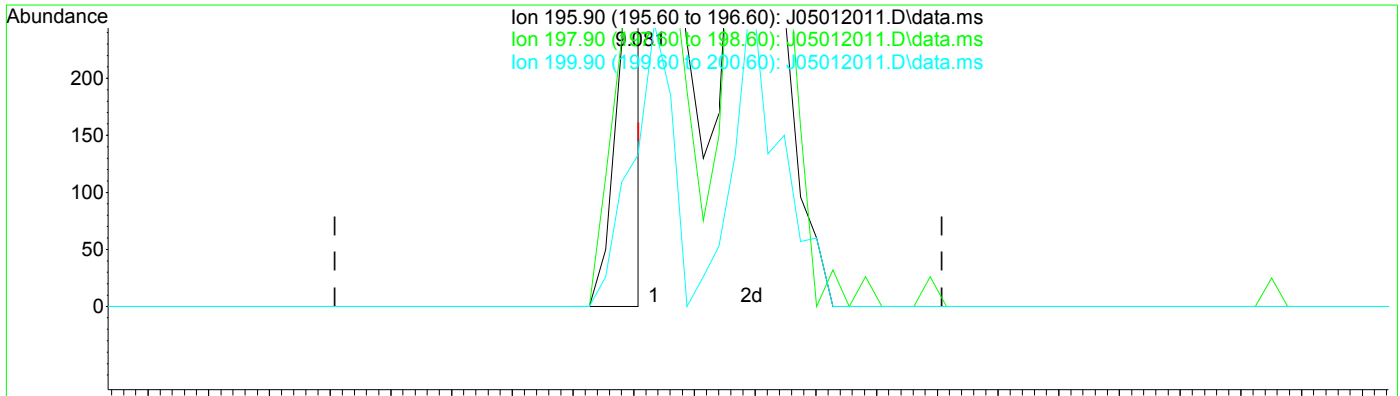


$R = 5.17e-003 A^2 + 4.14e-001 A - 2.30e-003$
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
Data File : J05012011.D
Acq On : 1 May 2020 3:16 pm
Operator : JK/ AMS/ DTH
Sample : 0E01048-CAL1
Misc : 1x, A20D243@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
Quant Method : C:\msdchem\1\methods\SV10_050120.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon May 04 11:17:09 2020
Response via : Initial Calibration

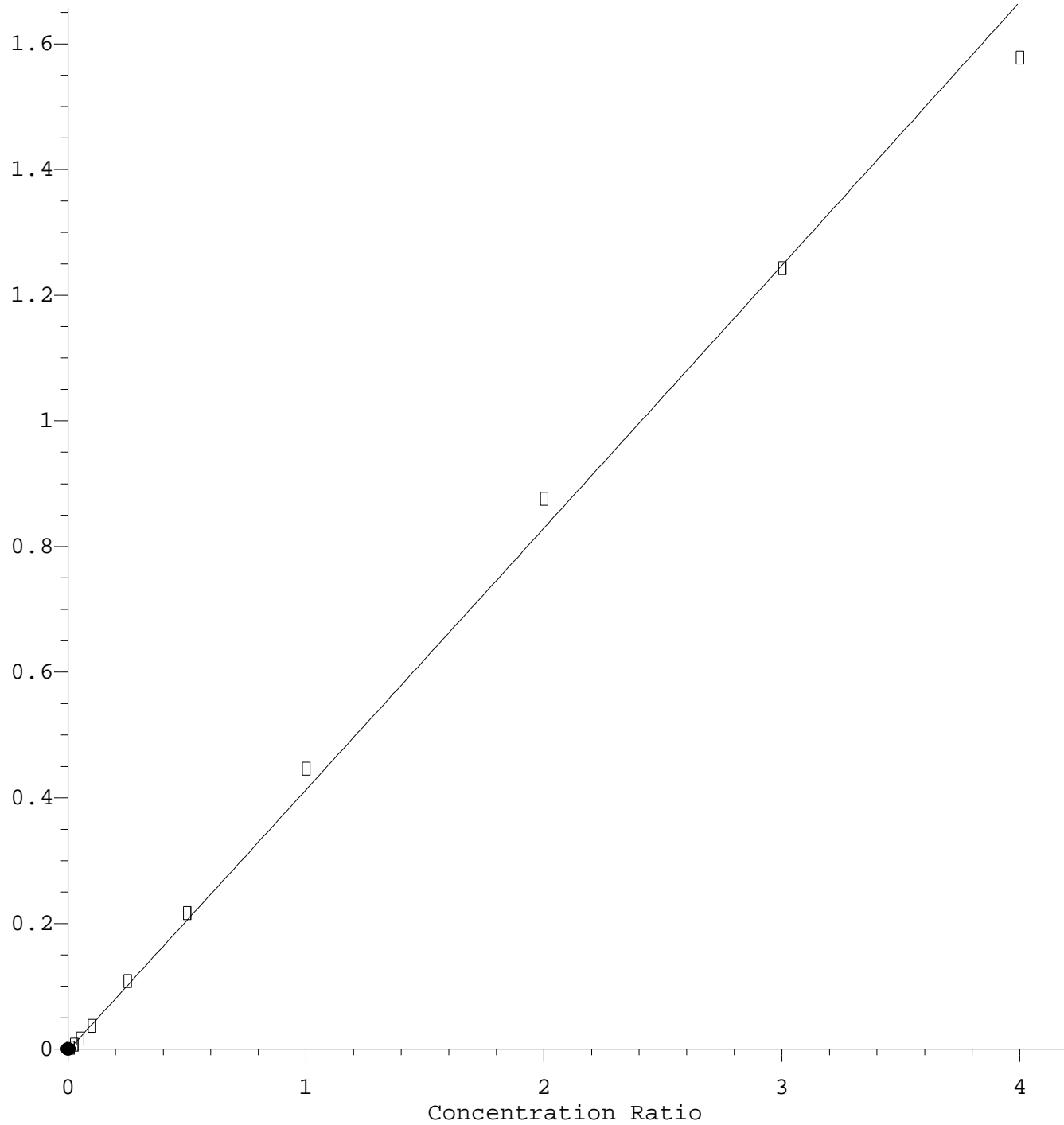


TIC: J05012011.D\data.ms

(37) 2,4,6-Trichlorophenol (T)		
9.081min (-0.000) 14.85 ng/ml m		
response	277	
Ion	Exp%	Act%
195.90	100.00	100.00
197.90	93.90	97.42
199.90	30.10	22.85
0.00	0.00	0.00

2,4,5-Trichlorophenol

Response Ratio

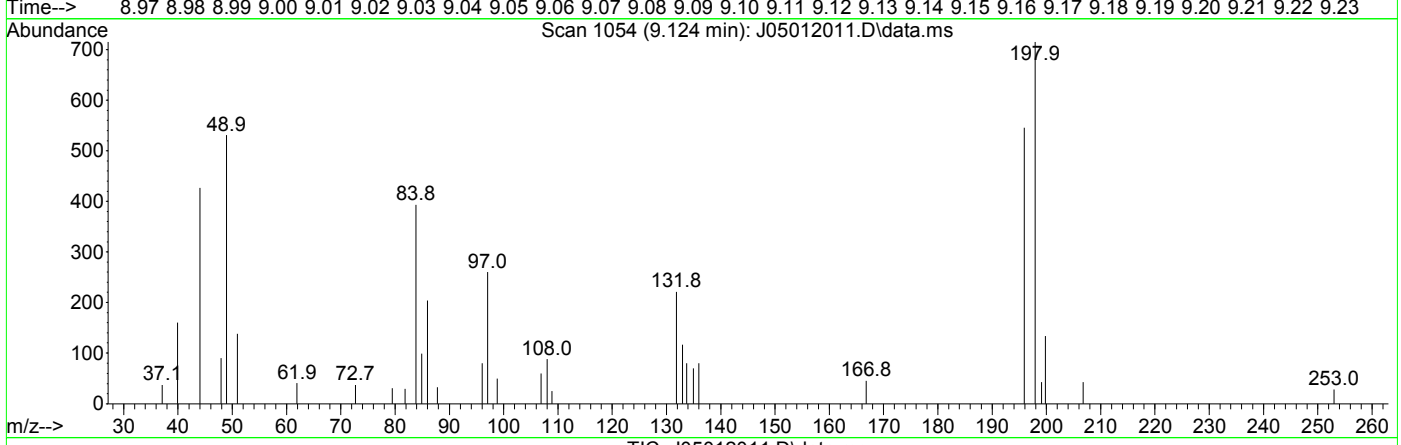
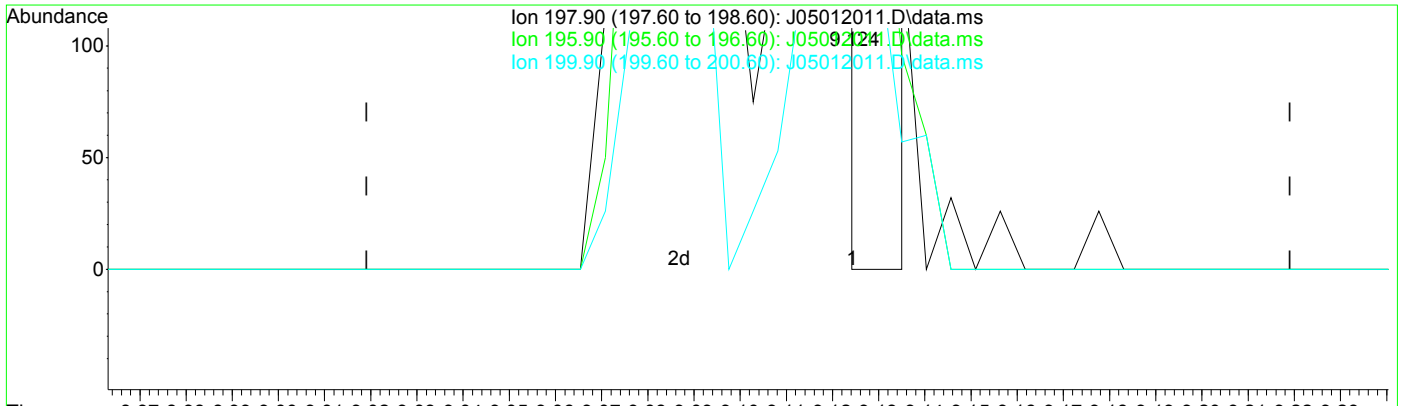


$R = 7.51e-004 A^2 + 4.14e-001 A - 2.16e-003$
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

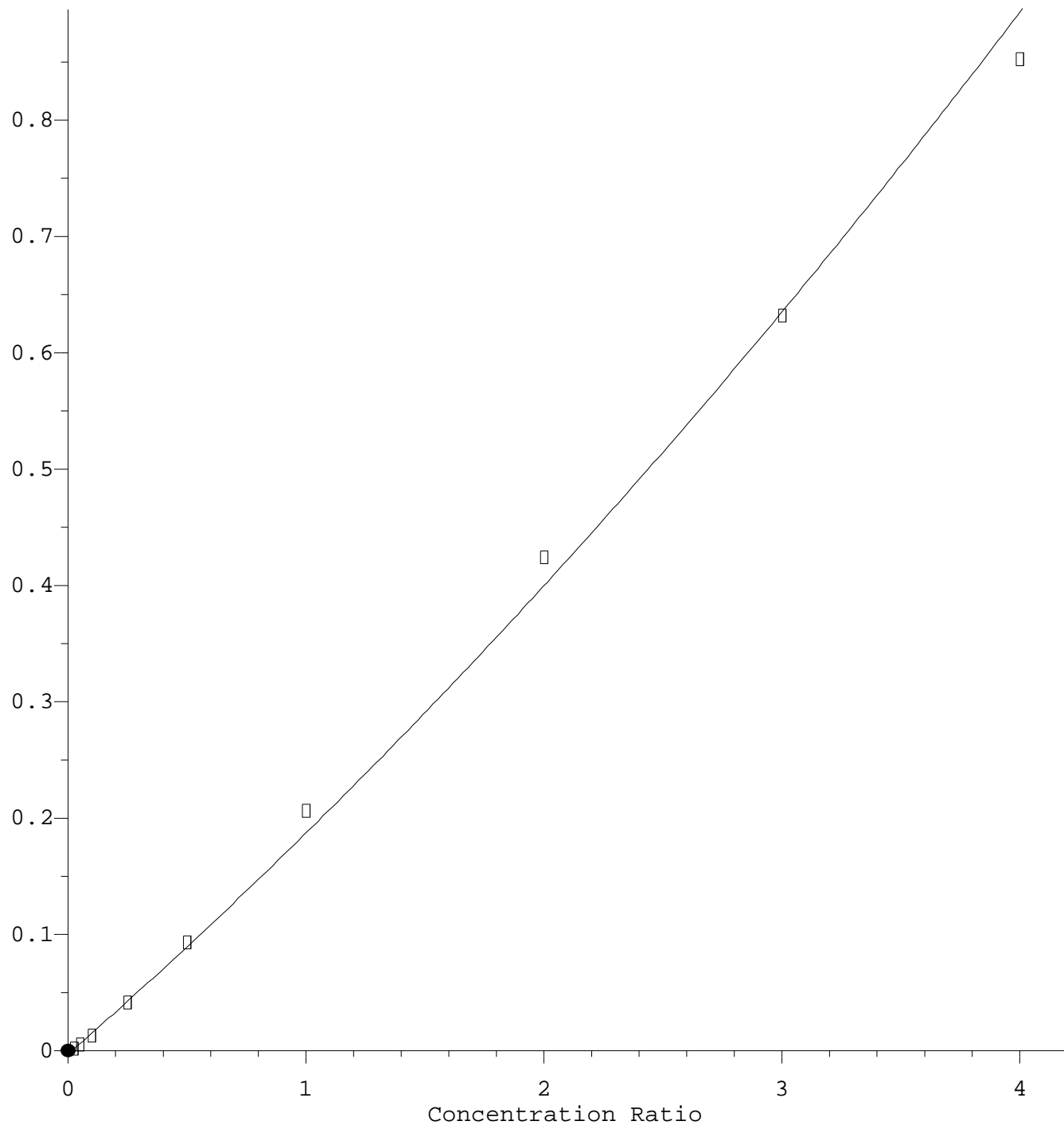


TIC: J05012011.D\data.ms

(38) 2,4,5-Trichlorophenol (T)		
9.124min (+ 0.005)	12.66	ng/ml m
response	166	
Ion	Exp%	Act%
197.90	100.00	100.00
195.90	100.90	76.36
199.90	30.20	18.74
0.00	0.00	0.00

1,4-Dinitrobenzene

Response Ratio

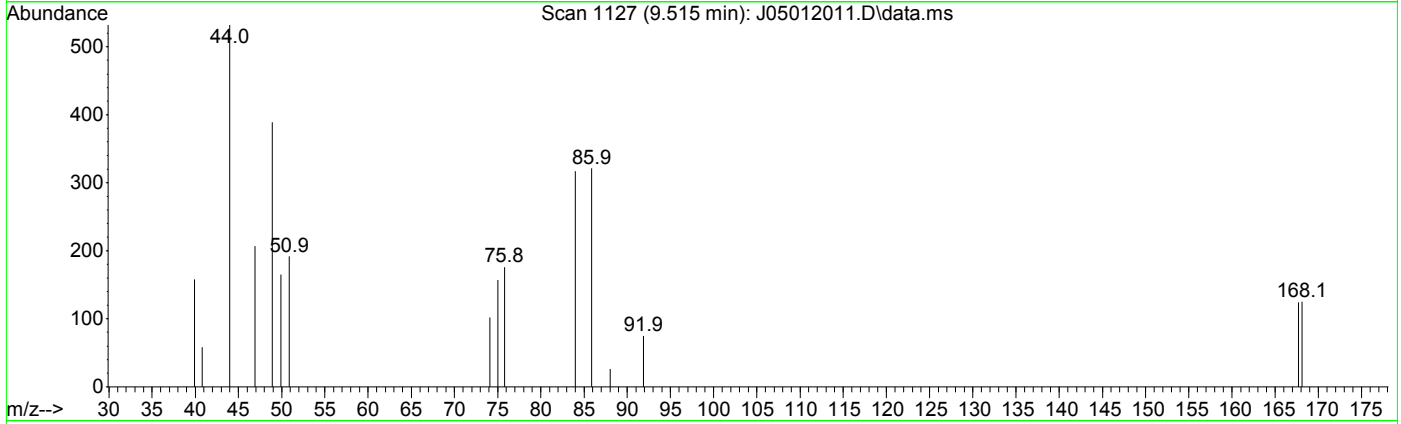
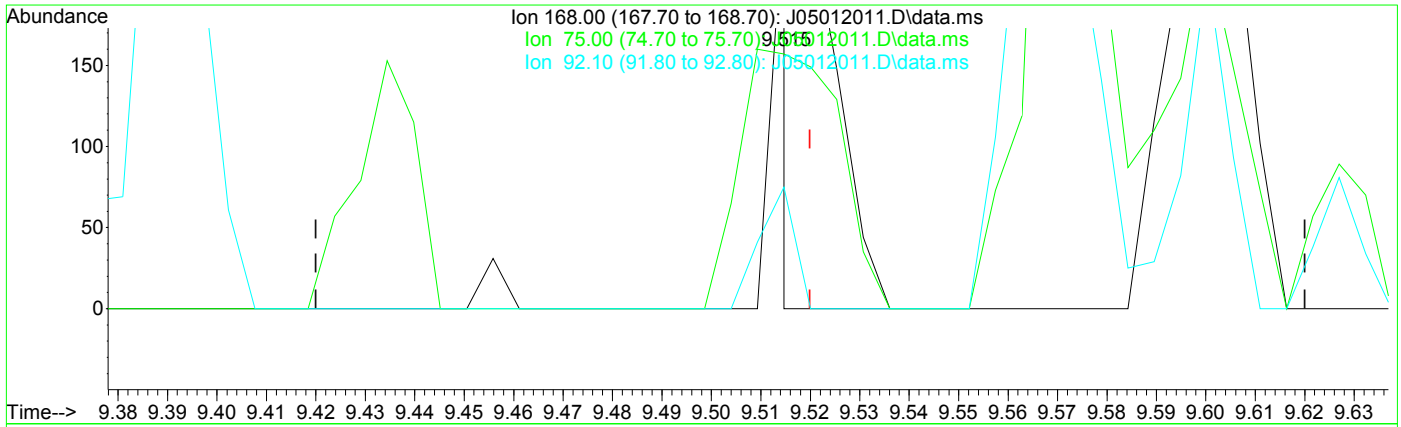


$R = 1.13e-002 A^2 + 1.79e-001 A - 2.84e-003$
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
Data File : J05012011.D
Acq On : 1 May 2020 3:16 pm
Operator : JK/ AMS/ DTH
Sample : 0E01048-CAL1
Misc : 1x, A20D243@20
ALS Vial : 3 Sample Multiplier: 1

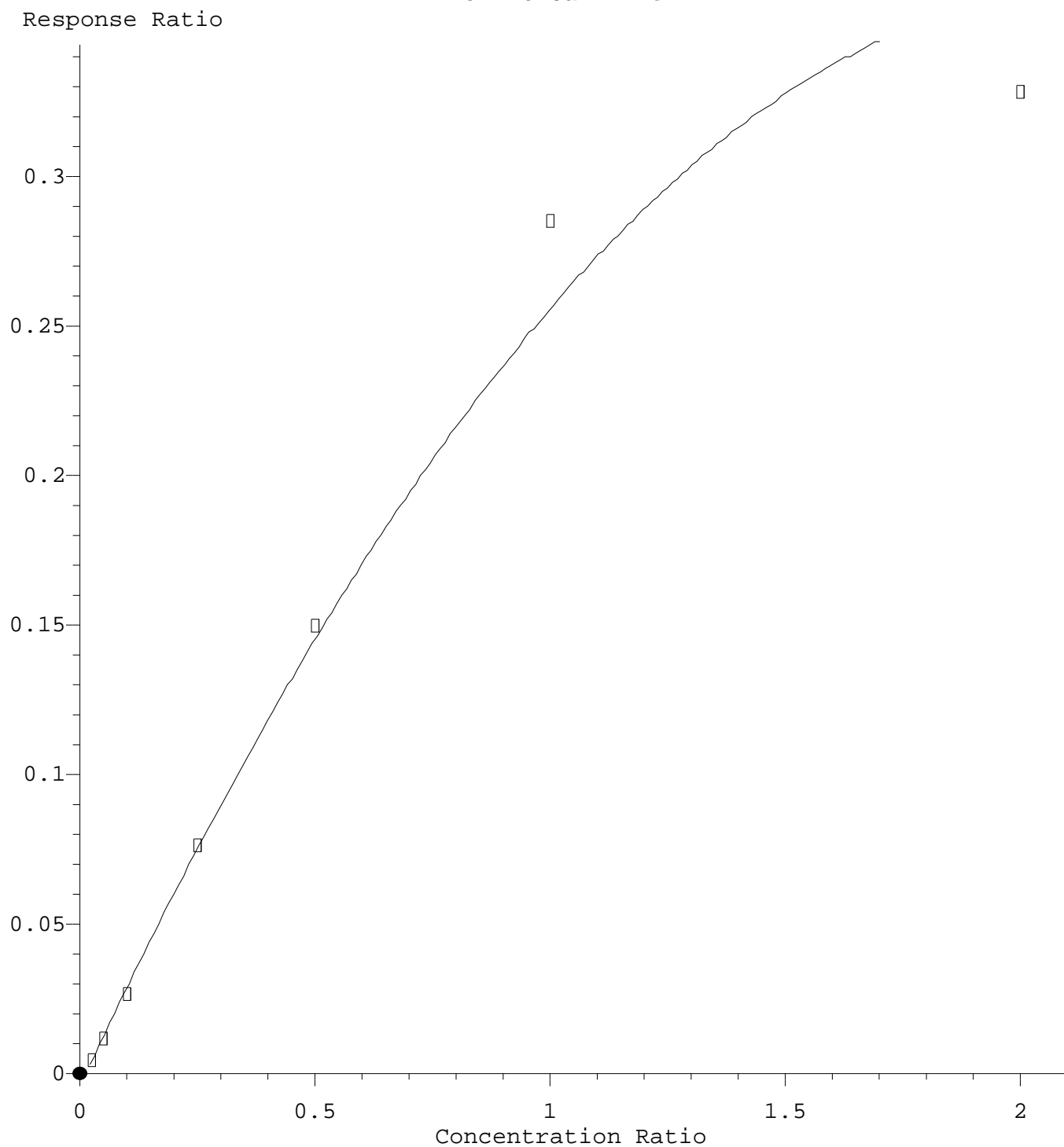
Quant Time: May 04 13:20:56 2020
Quant Method : C:\msdchem\1\methods\SV10_050120.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon May 04 11:17:09 2020
Response via : Initial Calibration



TIC: J05012011.D\data.ms

(44) 1,4-Dinitrobenzene (T)			
9.515min (-0.005) 36.17 ng/ml m			
response	141		
Ion	Exp%	Act%	
168.00	100.00	100.00	
75.00	92.20	125.60#	
92.10	31.30	60.00	
0.00	0.00	0.00	

3-Nitroaniline

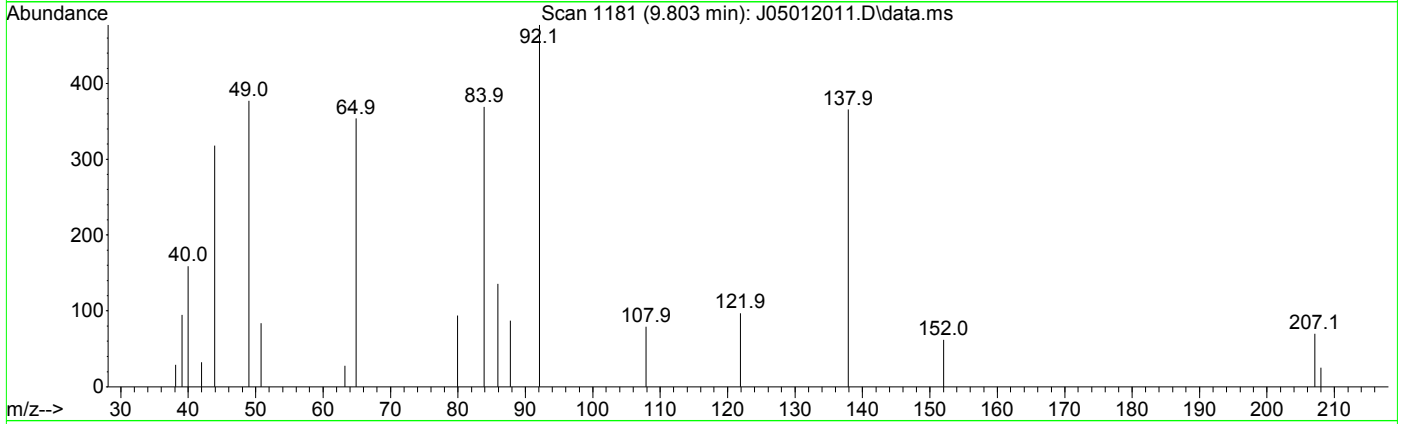
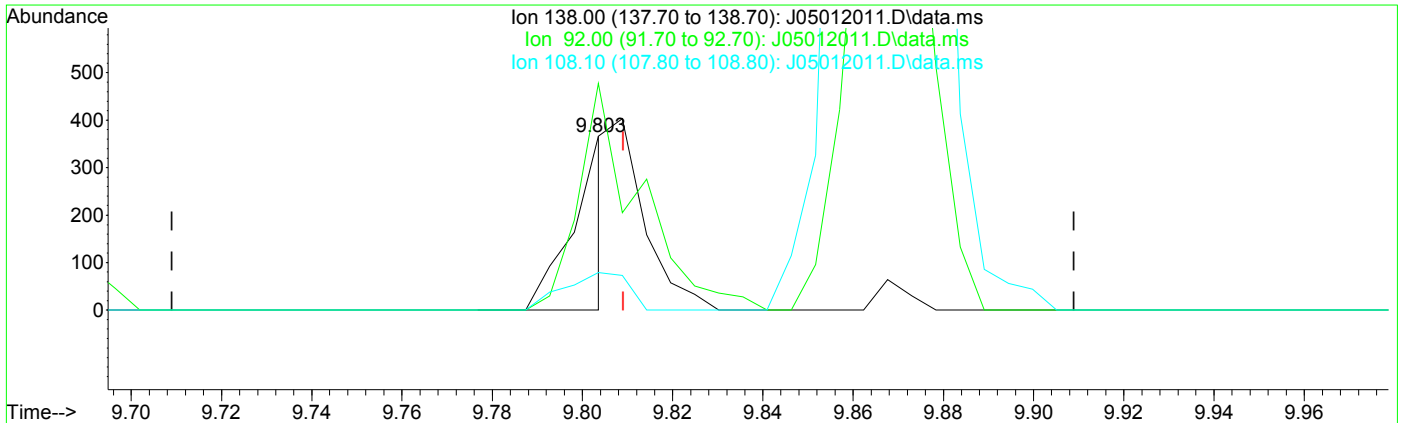


$R = -7.77e-002 A^2 + 3.38e-001 A - 4.19e-003$
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

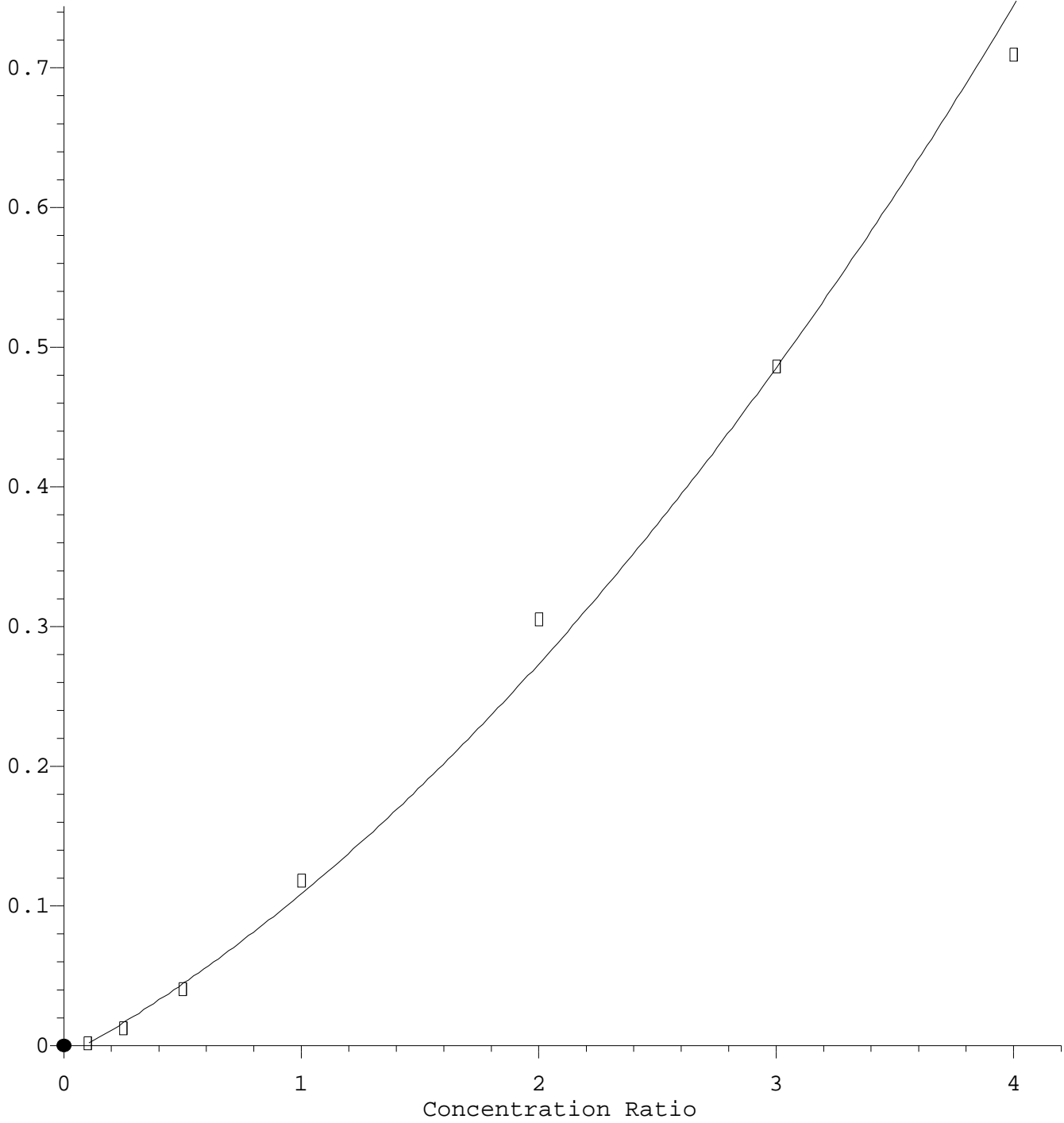


TIC: J05012011.D\data.ms

(50) 3-Nitroaniline (T)		
9.803min (-0.005) 28.20 ng/ml m		
response	200	
Ion	Exp%	Act%
138.00	100.00	100.00
92.00	90.10	130.33#
108.10	9.10	21.58
0.00	0.00	0.00

2,4-Dinitrophenol

Response Ratio

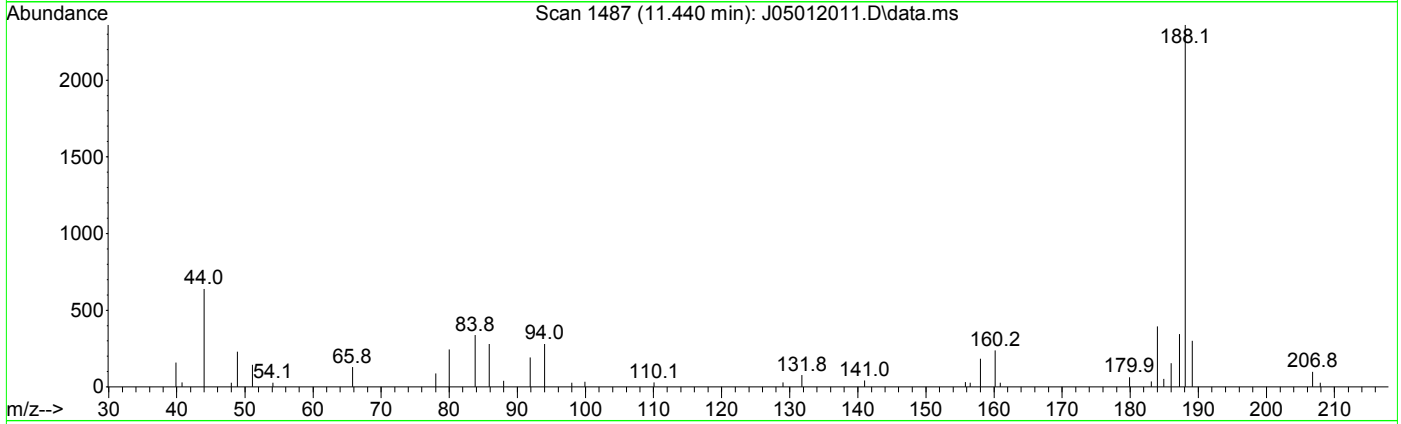
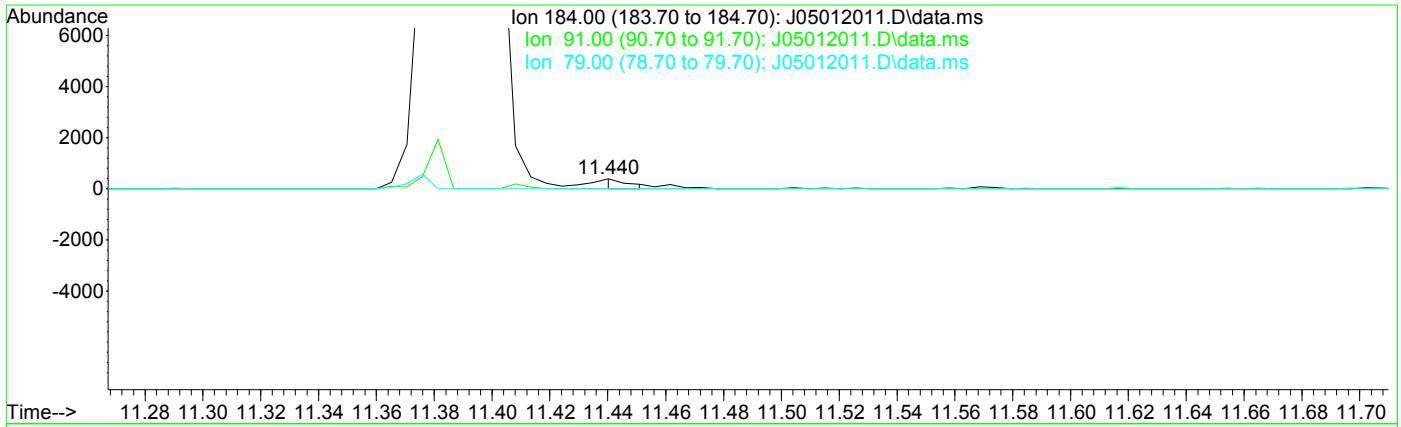


$R = 2.37e-002 A^2 + 9.36e-002 A - 8.52e-003$
Coef of Det (r^2) = 0.992 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration



TIC: J05012011.D\data.ms

(52) 2,4-Dinitrophenol (T)

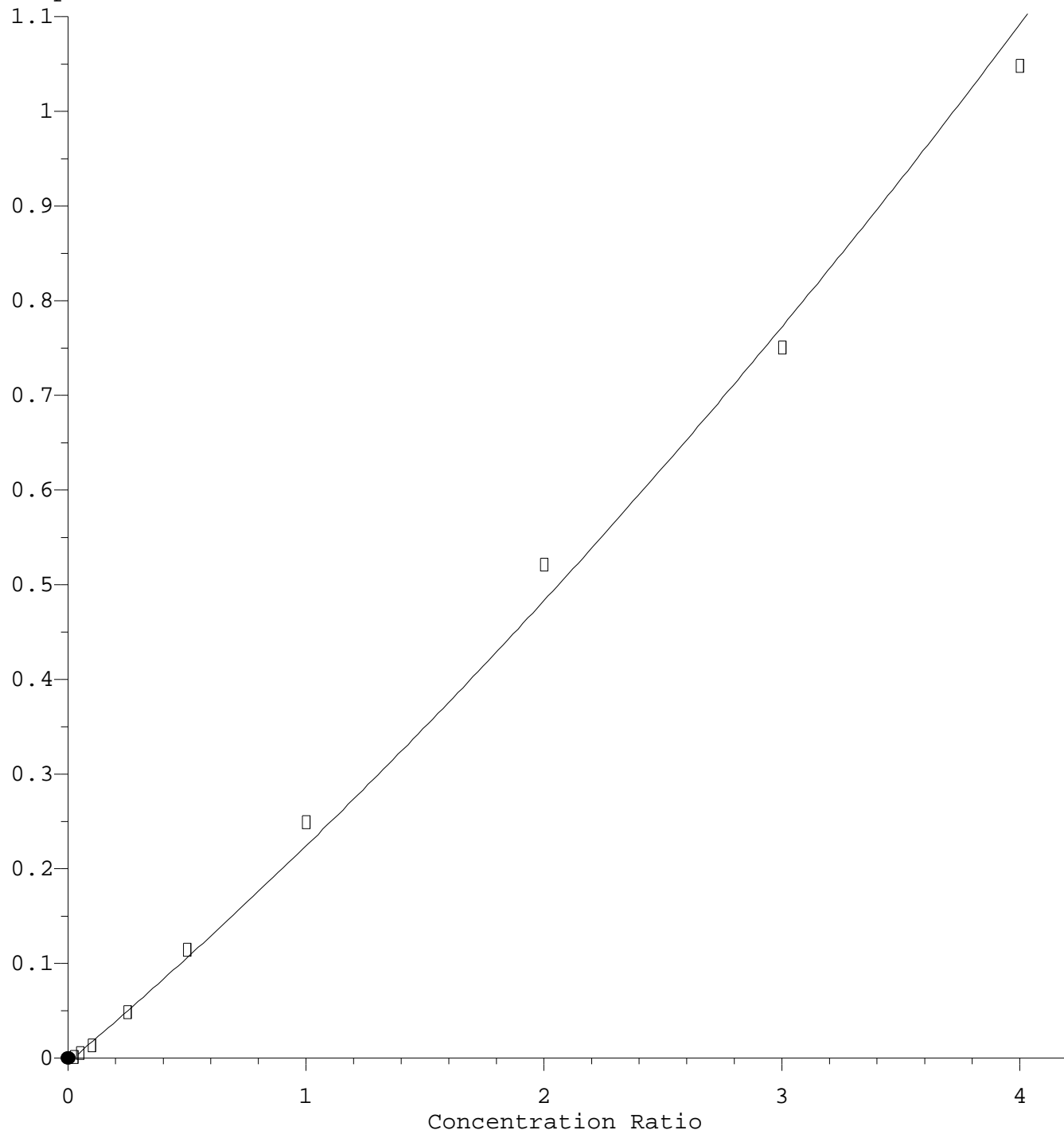
11.440min (+ 1.530) 185.26 ng/ml m

response 126

Ion	Exp%	Act%
184.00	100.00	100.00
91.00	32.60	0.00#
79.00	20.40	0.00
0.00	0.00	0.00

4-Nitrophenol

Response Ratio

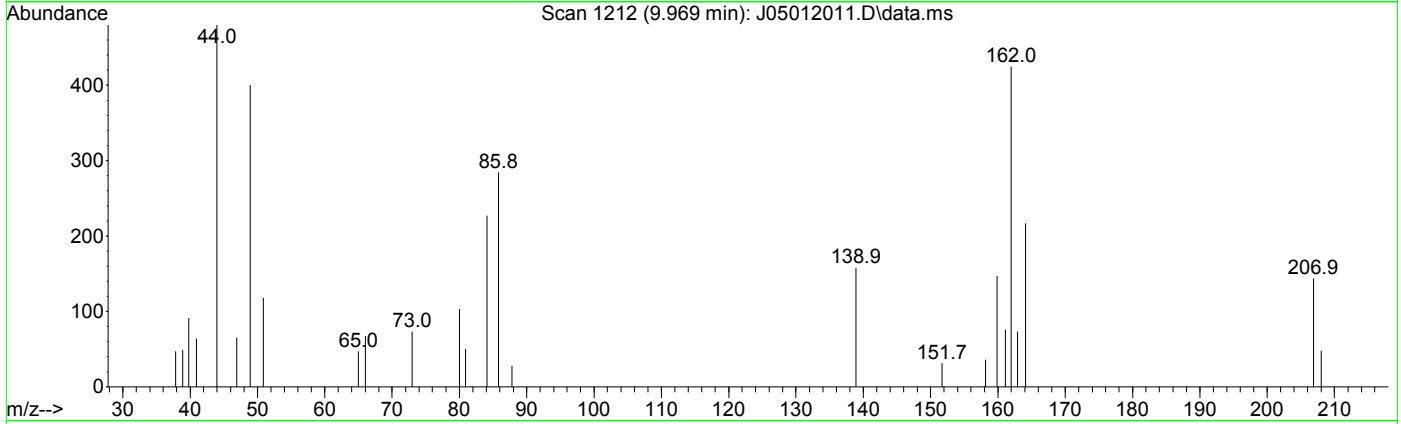
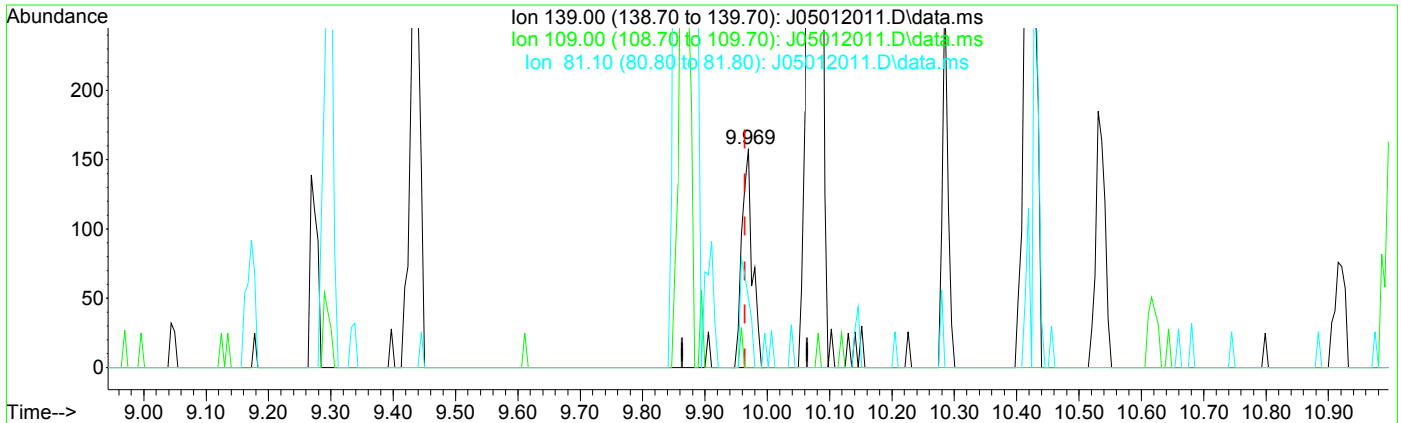


$R = 1.51e-002 A^2 + 2.14e-001 A - 4.52e-003$
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

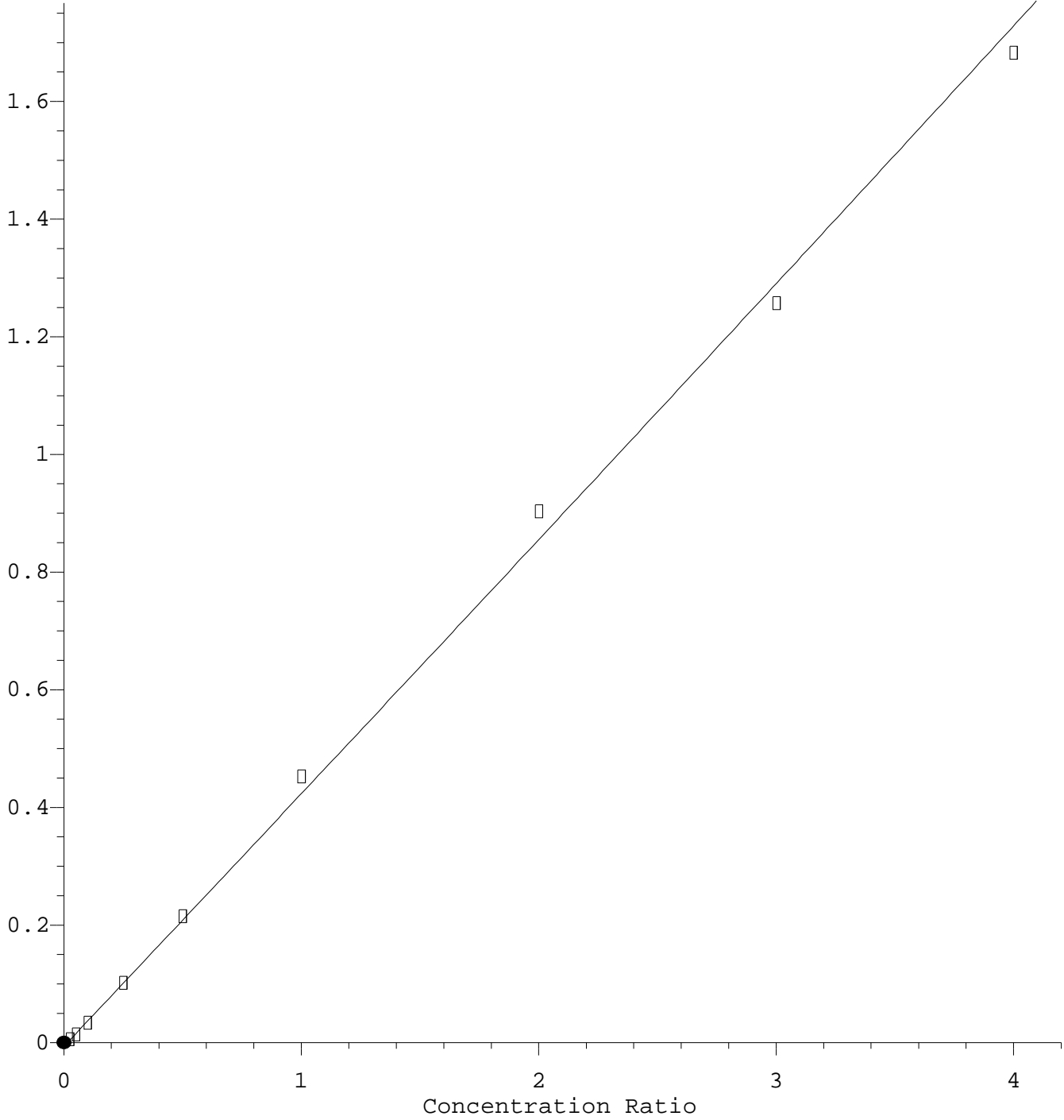


TIC: J05012011.D\data.ms

(53) 4-Nitrophenol (T)		
9.969min (+ 0.005)	47.00 ng/ml	
response	183	
Ion	Exp%	Act%
139.00	100.00	100.00
109.00	49.30	0.00#
81.10	20.60	31.65
0.00	0.00	0.00

2,4-Dinitrotoluene

Response Ratio

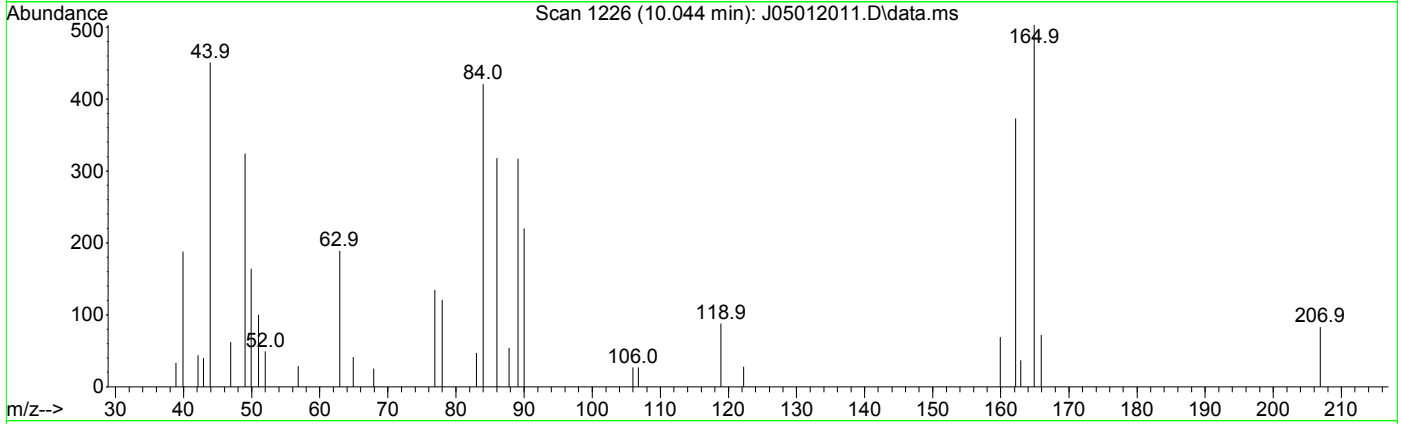
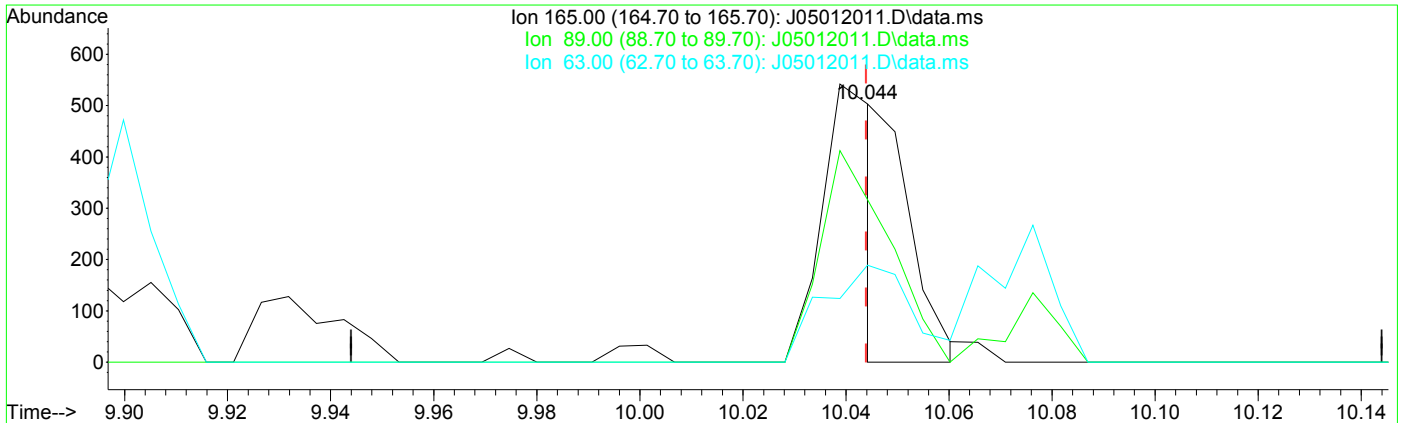


$R = 1.59e-003 A^2 + 4.27e-001 A - 5.62e-003$
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration



(54) 2,4-Dinitrotoluene (T)

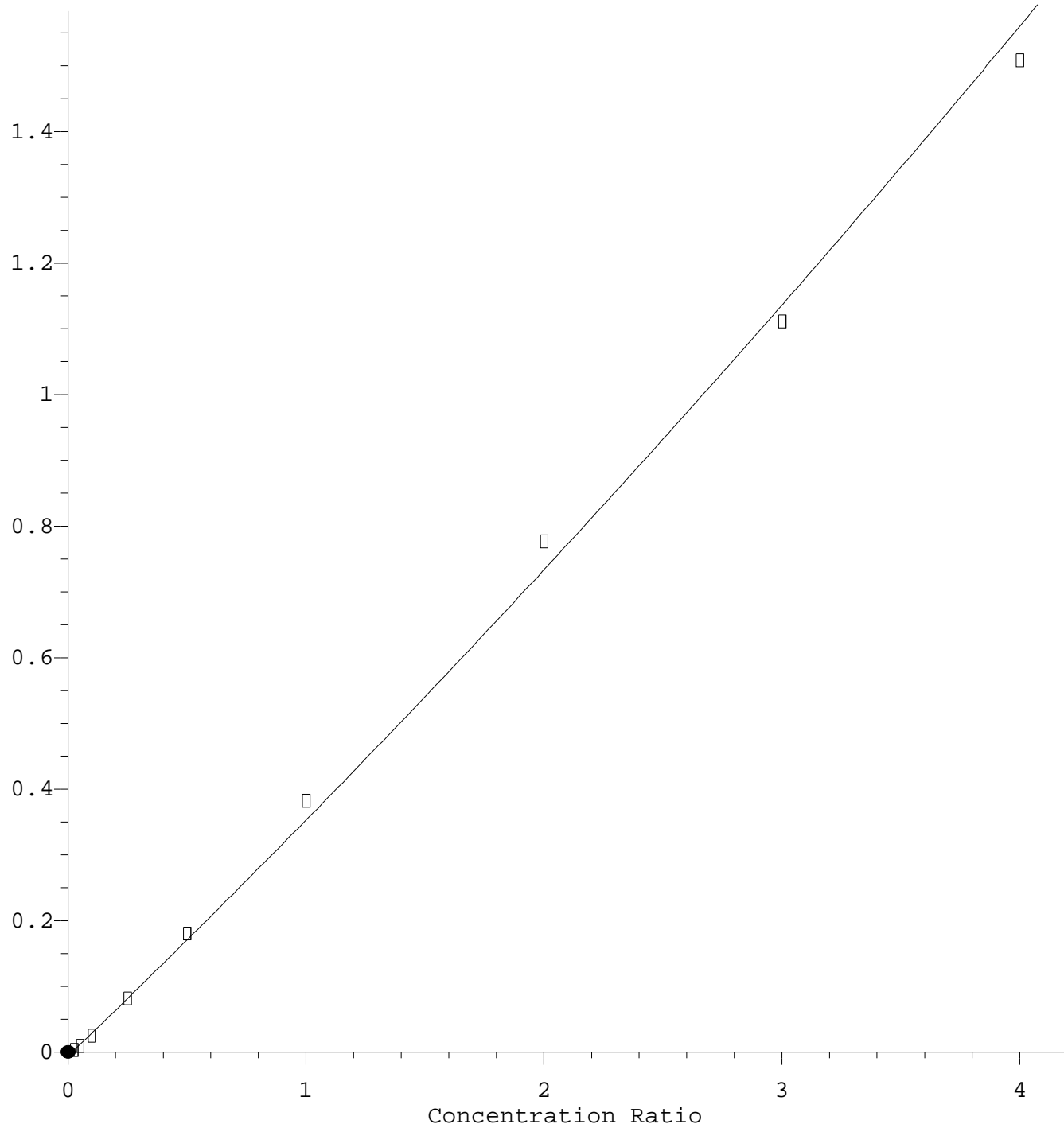
10.044min (+ 0.000) 28.97 ng/ml m

response 202

Ion	Exp%	Act%
165.00	100.00	100.00
89.00	54.90	63.02
63.00	24.10	37.57
0.00	0.00	0.00

2,3,5,6-Tetrachlorophenol

Response Ratio

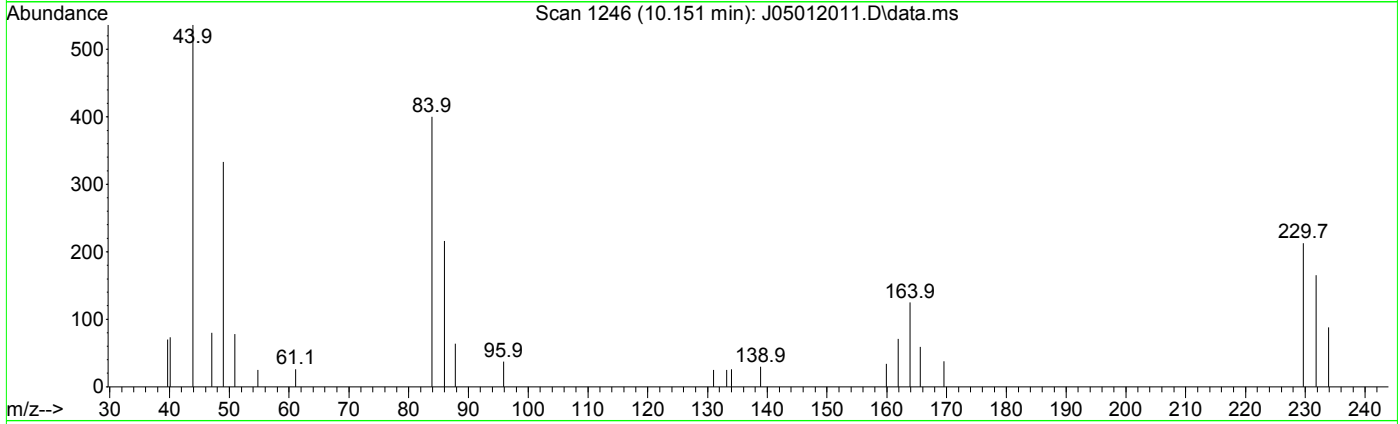
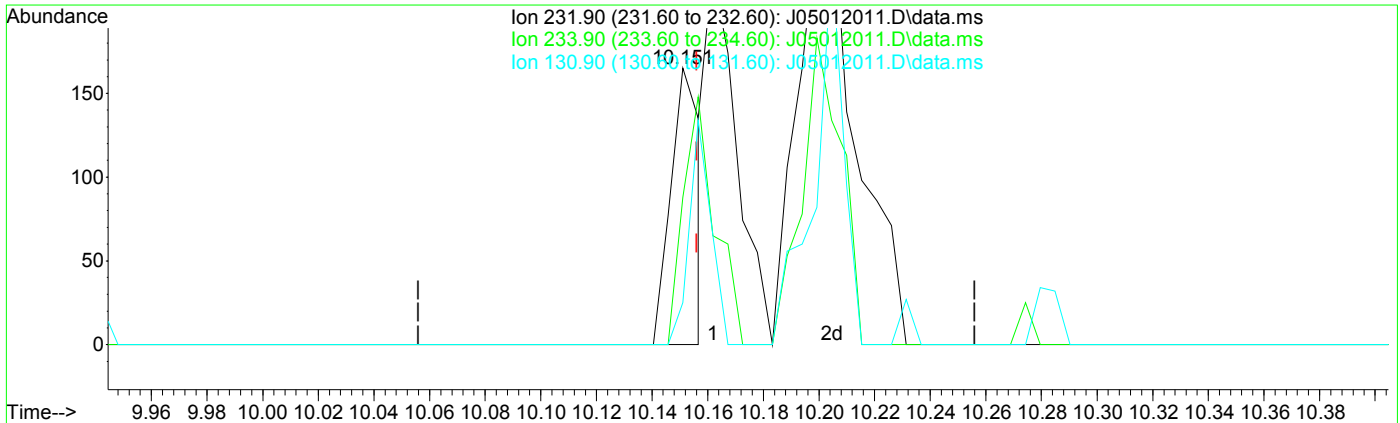


$R = 1.09e-002 A^2 + 3.48e-001 A - 6.14e-003$
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

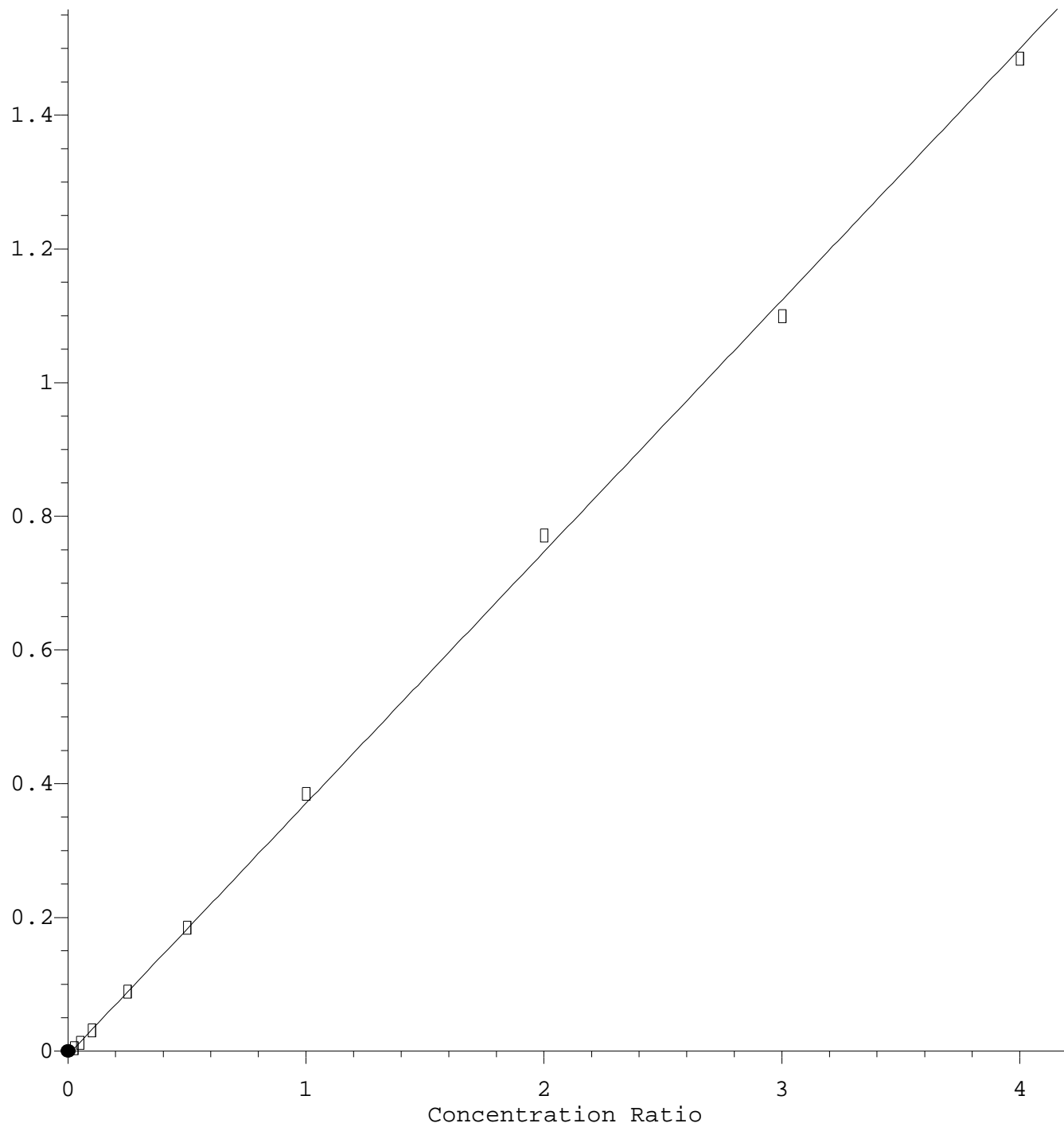


TIC: J05012011.D\data.ms

(56) 2,3,5,6-Tetrachlorophenol (T)		
10.151min (-0.005)	37.19	ng/ml m
response	121	
Ion	Exp%	Act%
231.90	100.00	100.00
233.90	48.50	53.33
130.90	34.40	15.15
0.00	0.00	0.00

2,3,4,6-Tetrachlorophenol

Response Ratio

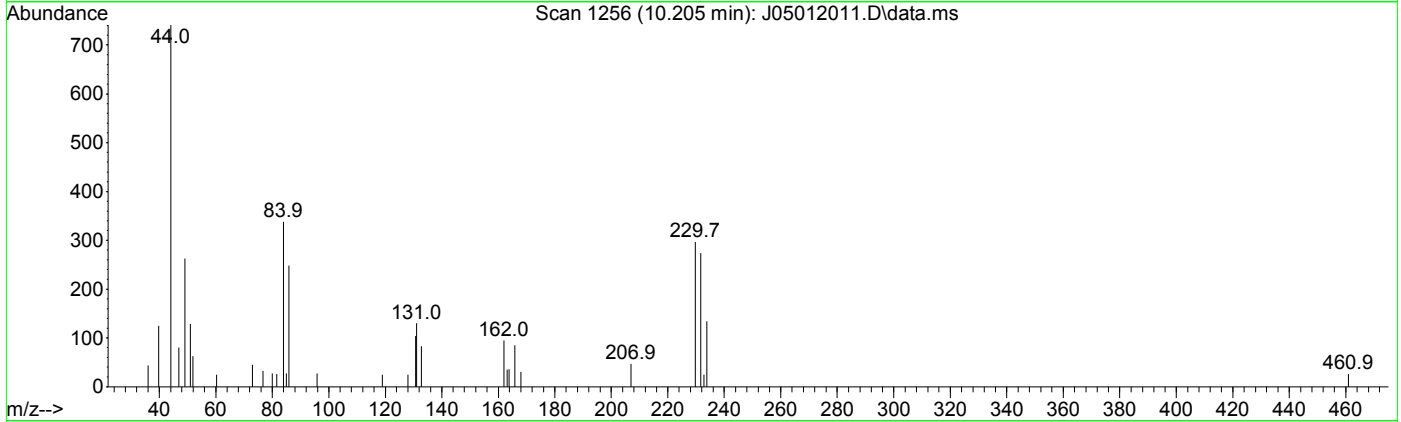
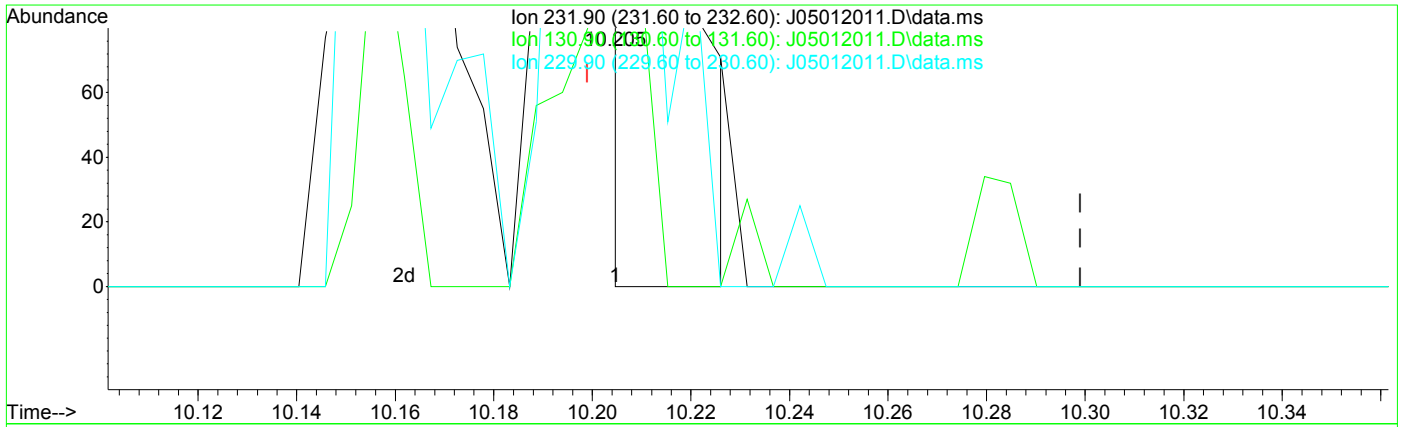


$R = 7.16e-005 A^2 + 3.76e-001 A - 5.49e-003$
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration



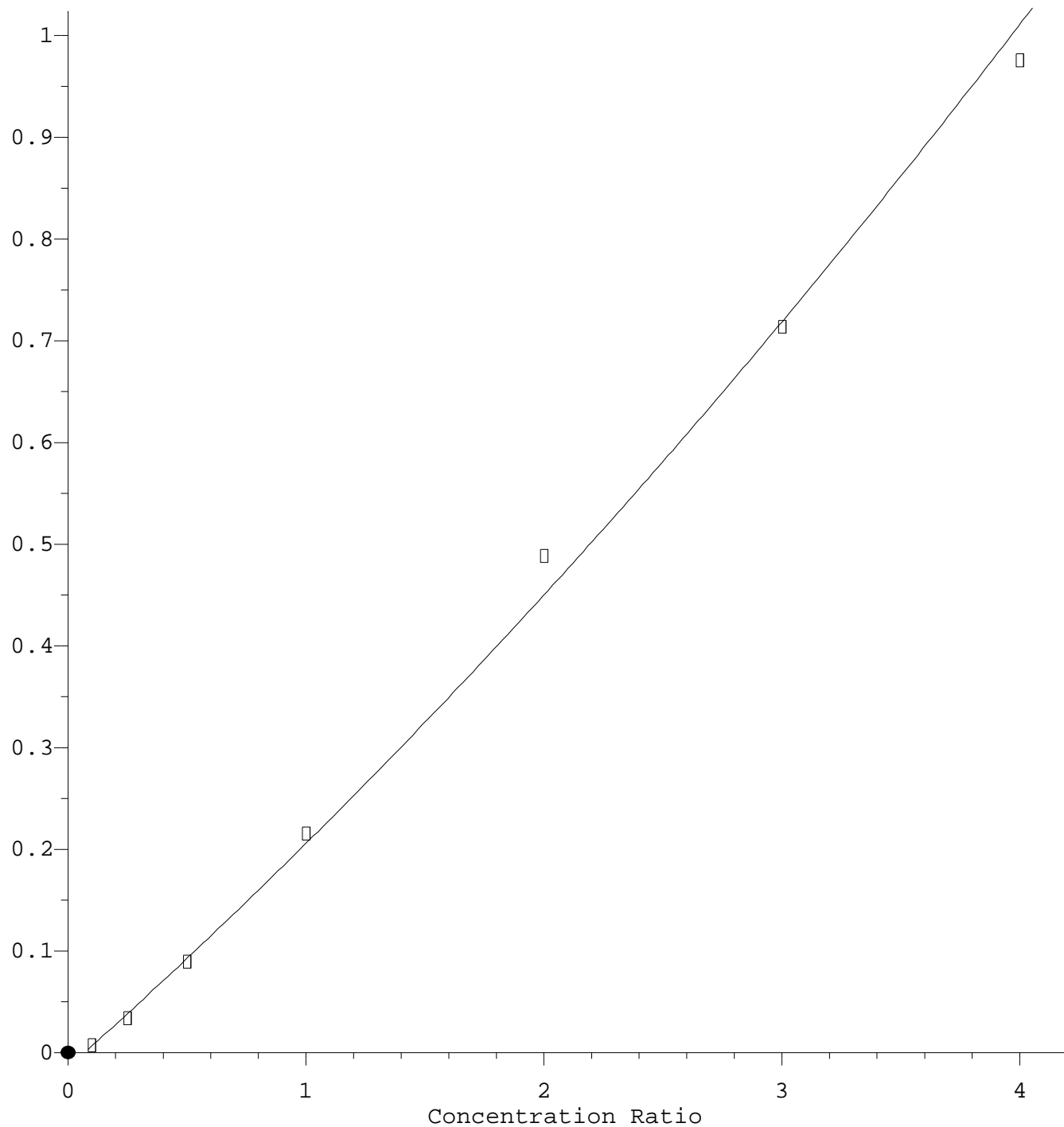
TIC: J05012011.D\data.ms

Ion	Exp%	Act%
231.90	100.00	100.00
130.90	39.50	47.45
229.90	76.60	108.39#
0.00	0.00	0.00

(57) 2,3,4,6-Tetrachlorophenol (T)
 10.205min (+ 0.006) 31.06 ng/ml m
 response 126

4,6-Dinitro-2-methylphenol

Response Ratio

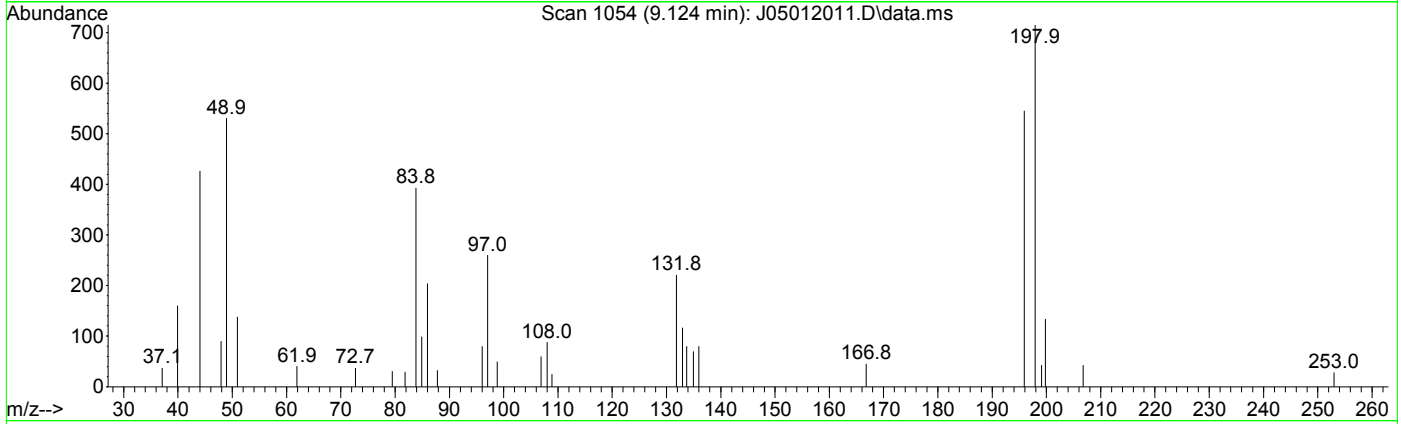
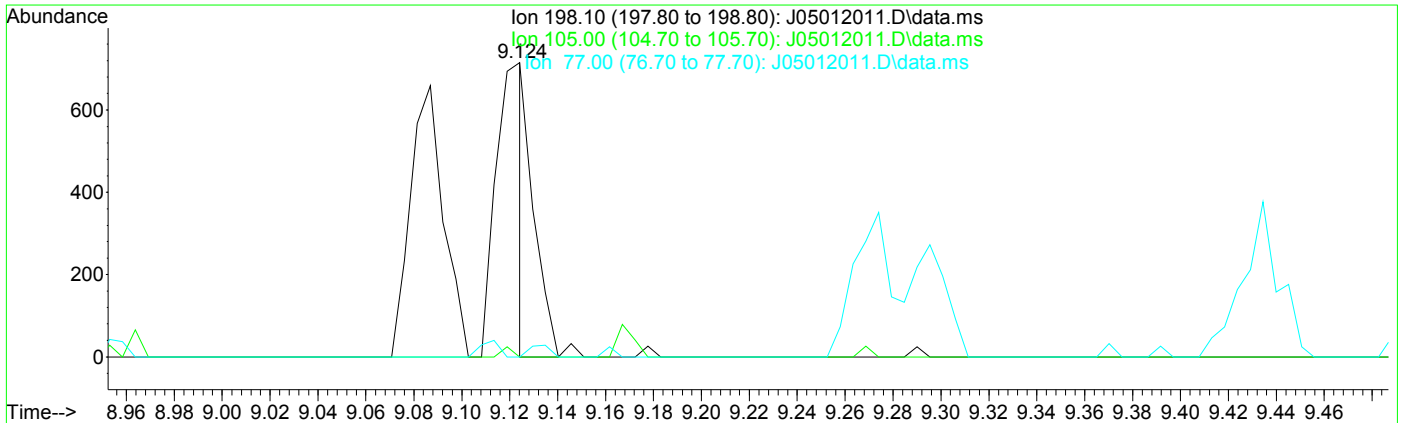


$R = 1.21e-002 A^2 + 2.08e-001 A - 1.42e-002$
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

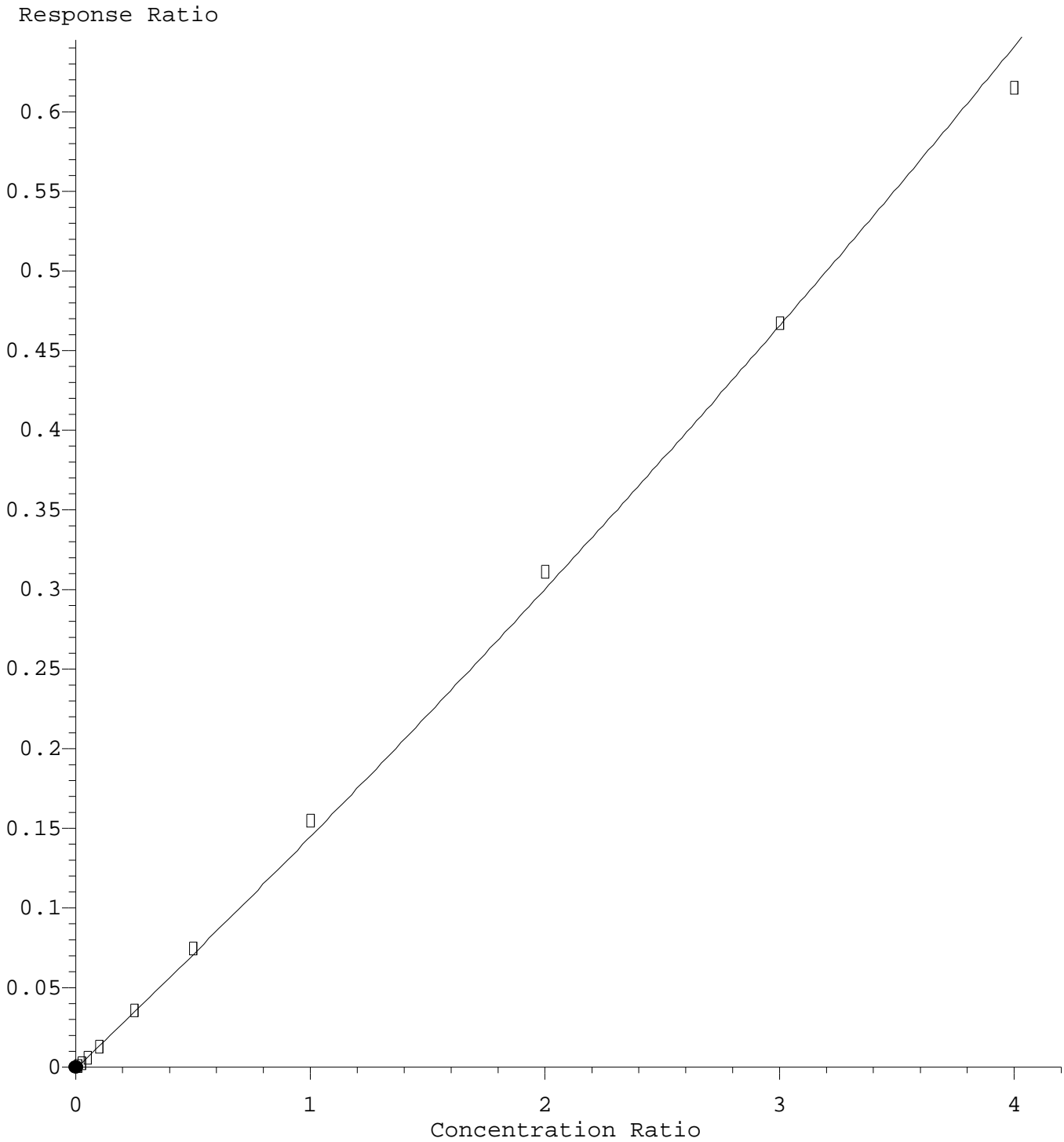
Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration



TIC: J05012011.D\data.ms

(63) 4,6-Dinitro-2-methylphenol (T)		
9.124min (-1.337) 140.86 ng/ml m		
response	166	
Ion	Exp%	Act%
198.10	100.00	100.00
105.00	39.30	0.00#
77.00	16.30	0.00
0.00	0.00	0.00

2,4,6-Tribromophenol (Surr)

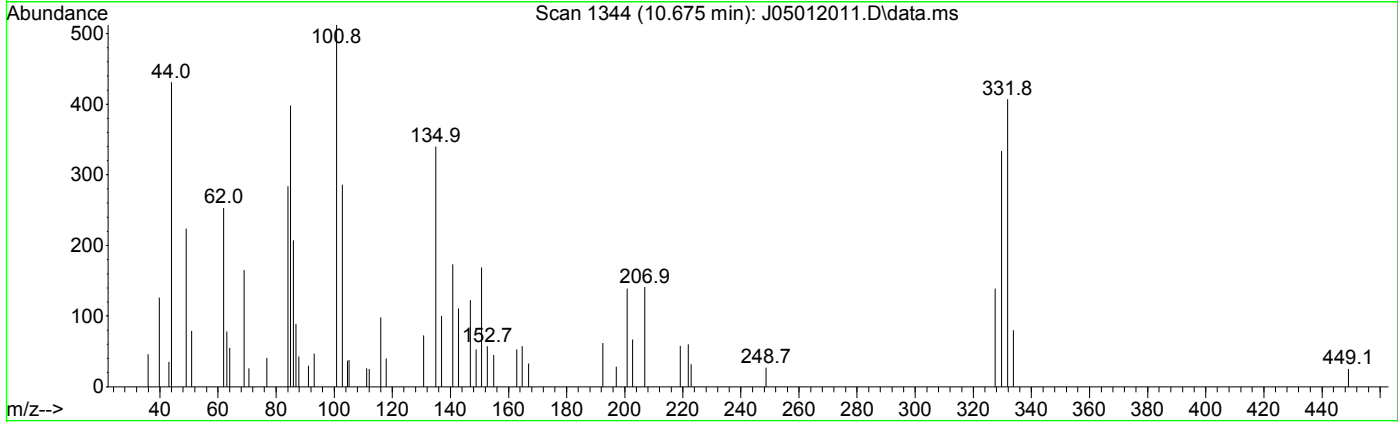
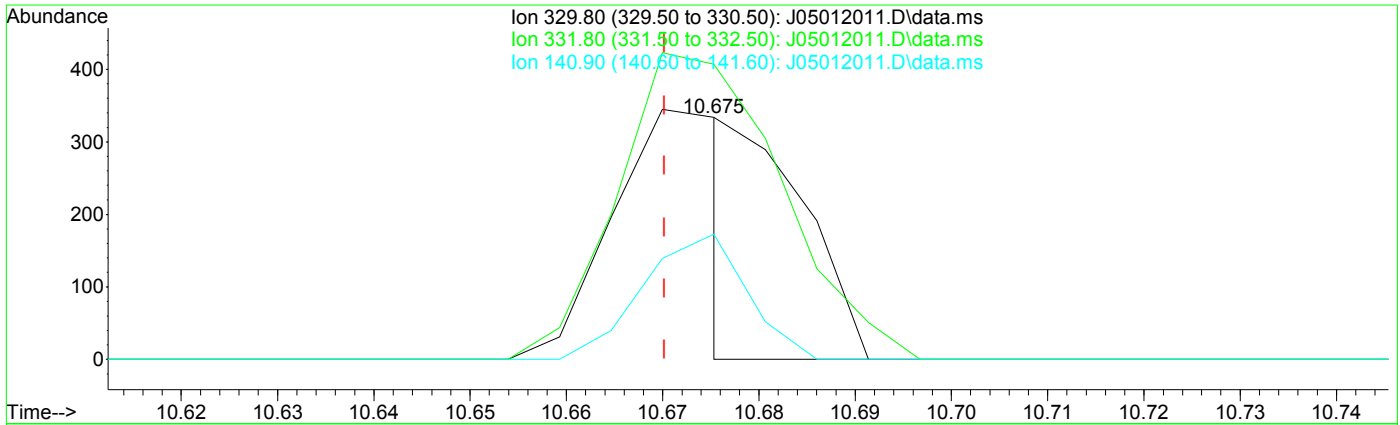


$R = 4.98e-003 A^2 + 1.41e-001 A - 7.51e-004$
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

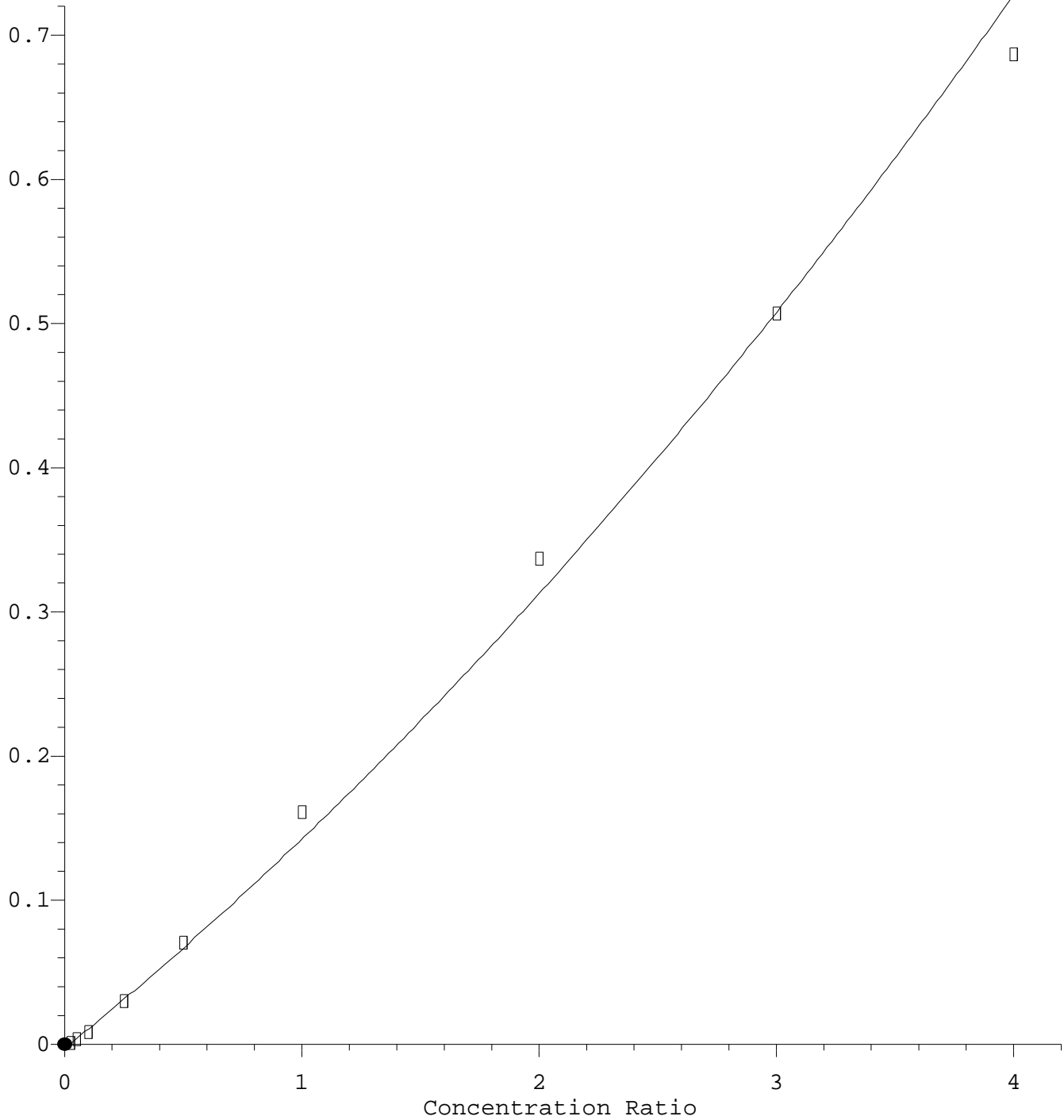


TIC: J05012011.D\data.ms

(67) 2,4,6-Tribromophenol (Surr) (S)		
10.675min (+ 0.005) 14.32 ng/ml m		
response	154	
Ion	Exp%	Act%
329.80	100.00	100.00
331.80	99.30	121.86
140.90	29.50	51.80
0.00	0.00	0.00

Pentachlorophenol (PCP)

Response Ratio

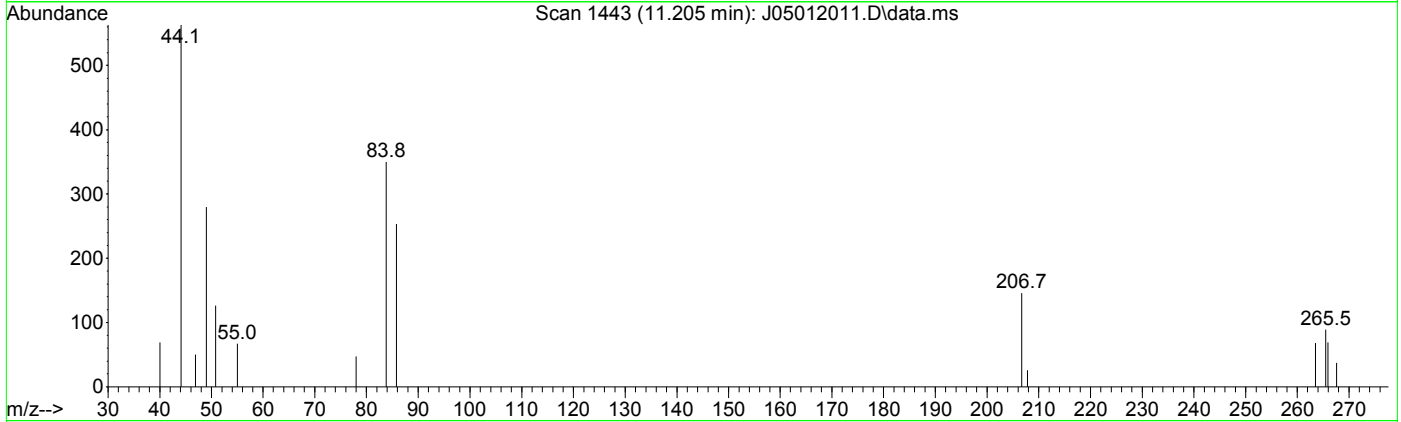
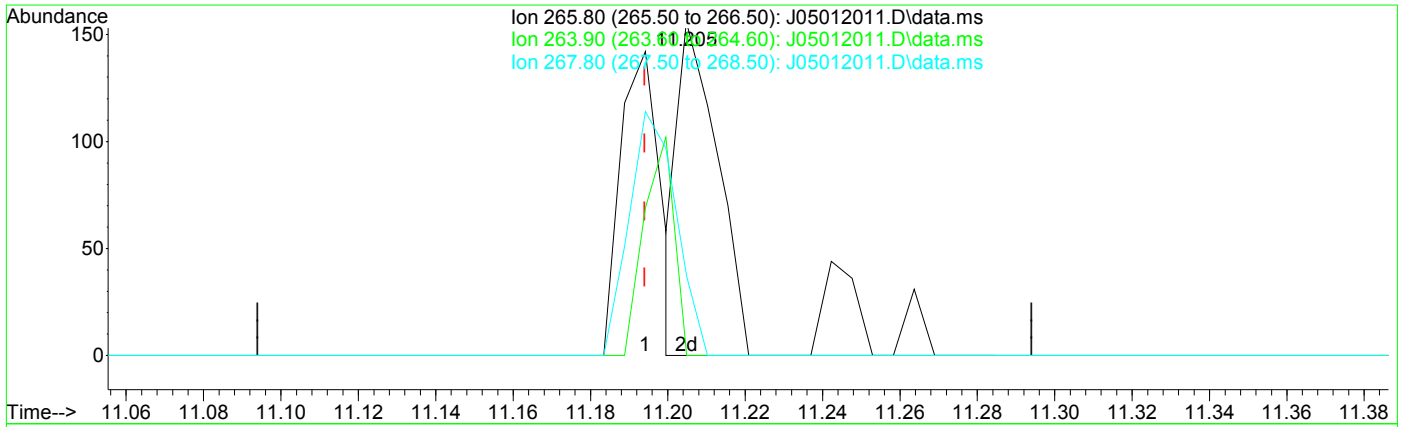


$R = 1.25e-002 A^2 + 1.33e-001 A - 2.60e-003$
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

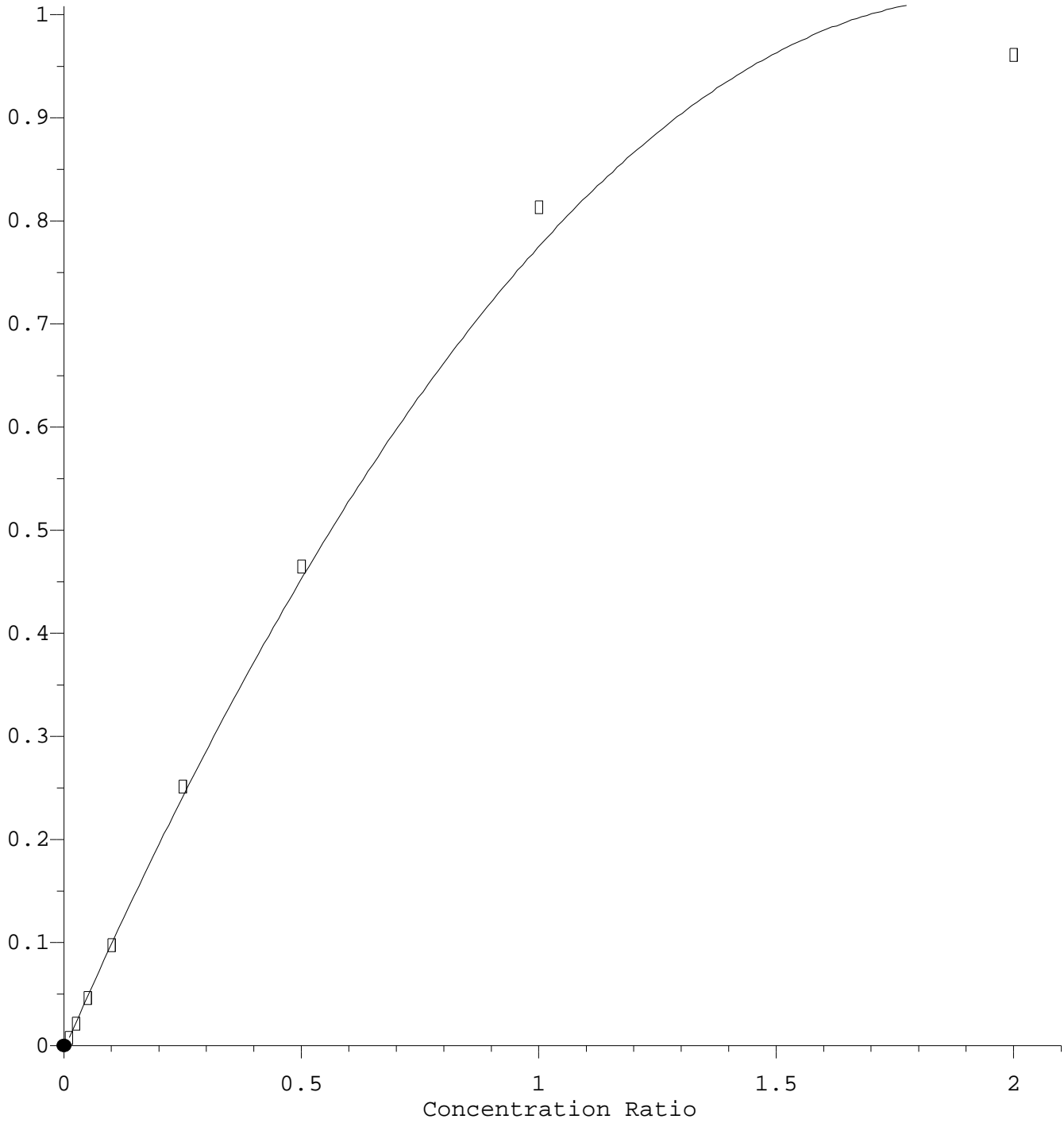


TIC: J05012011.D\data.ms

(70) Pentachlorophenol (PCP) (T)		
11.205min (+ 0.011)	42.78 ng/ml	m
response	146	
Ion	Exp%	Act%
265.80	100.00	100.00
263.90	63.70	0.00#
267.80	64.80	41.57
0.00	0.00	0.00

Carbazole

Response Ratio

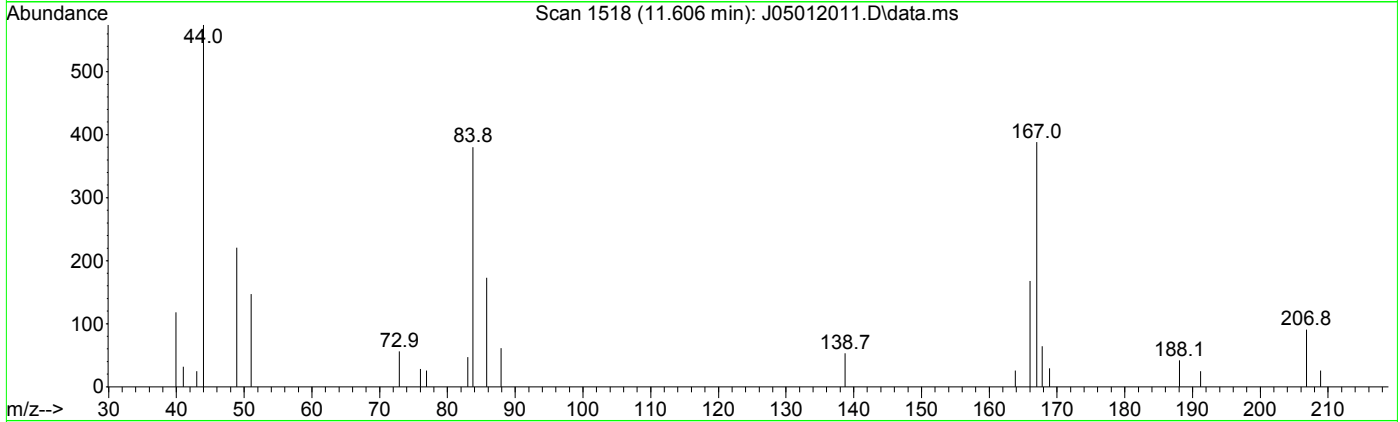
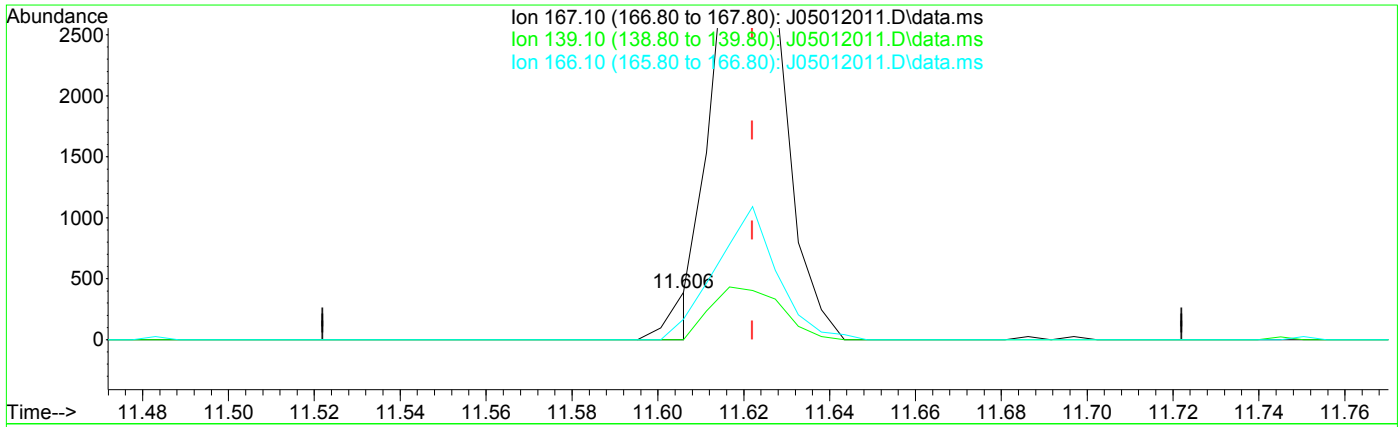


R = -2.68e-001 A*A + 1.05e+000 A - 3.36e-003
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration



TIC: J05012011.D\data.ms

(73) Carbazole (T)

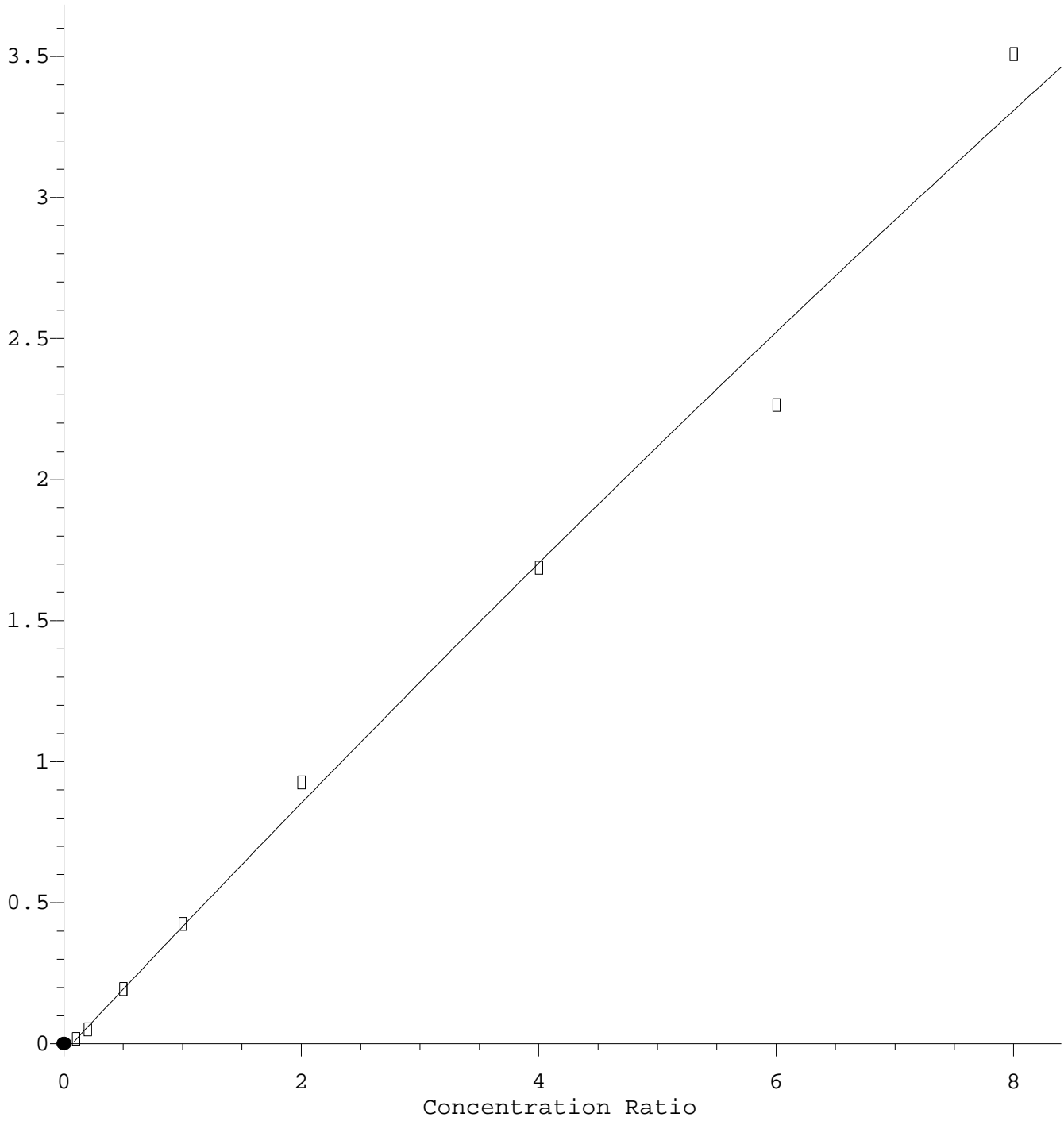
11.606min (-0.016) 6.92 ng/ml m

response 156

Ion	Exp%	Act%
167.10	100.00	100.00
139.10	11.90	0.00
166.10	20.70	43.30
0.00	0.00	0.00

Benzidine

Response Ratio

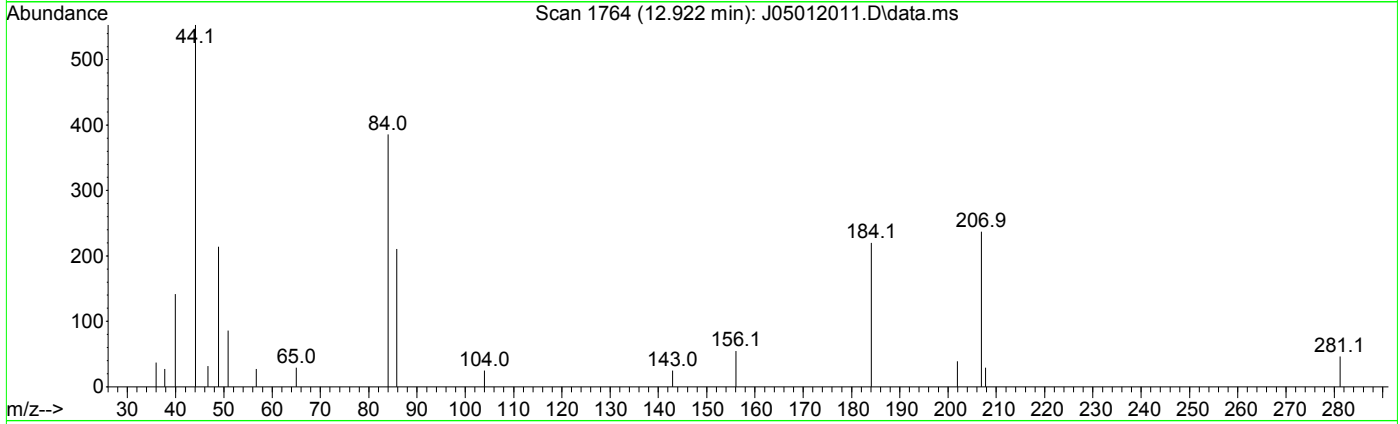
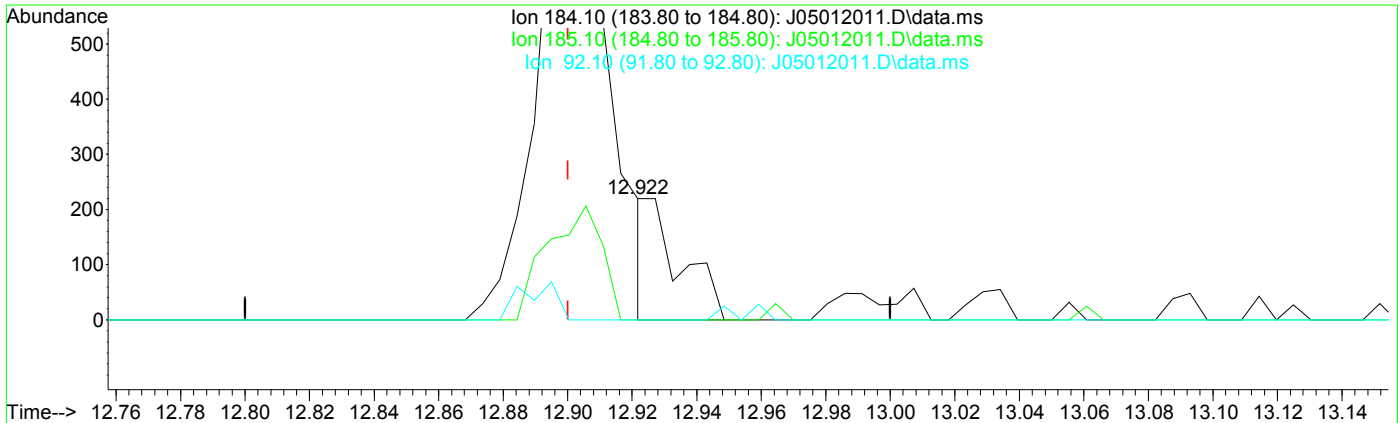


$R = -4.04e-003 A^2 + 4.50e-001 A - 3.03e-002$
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

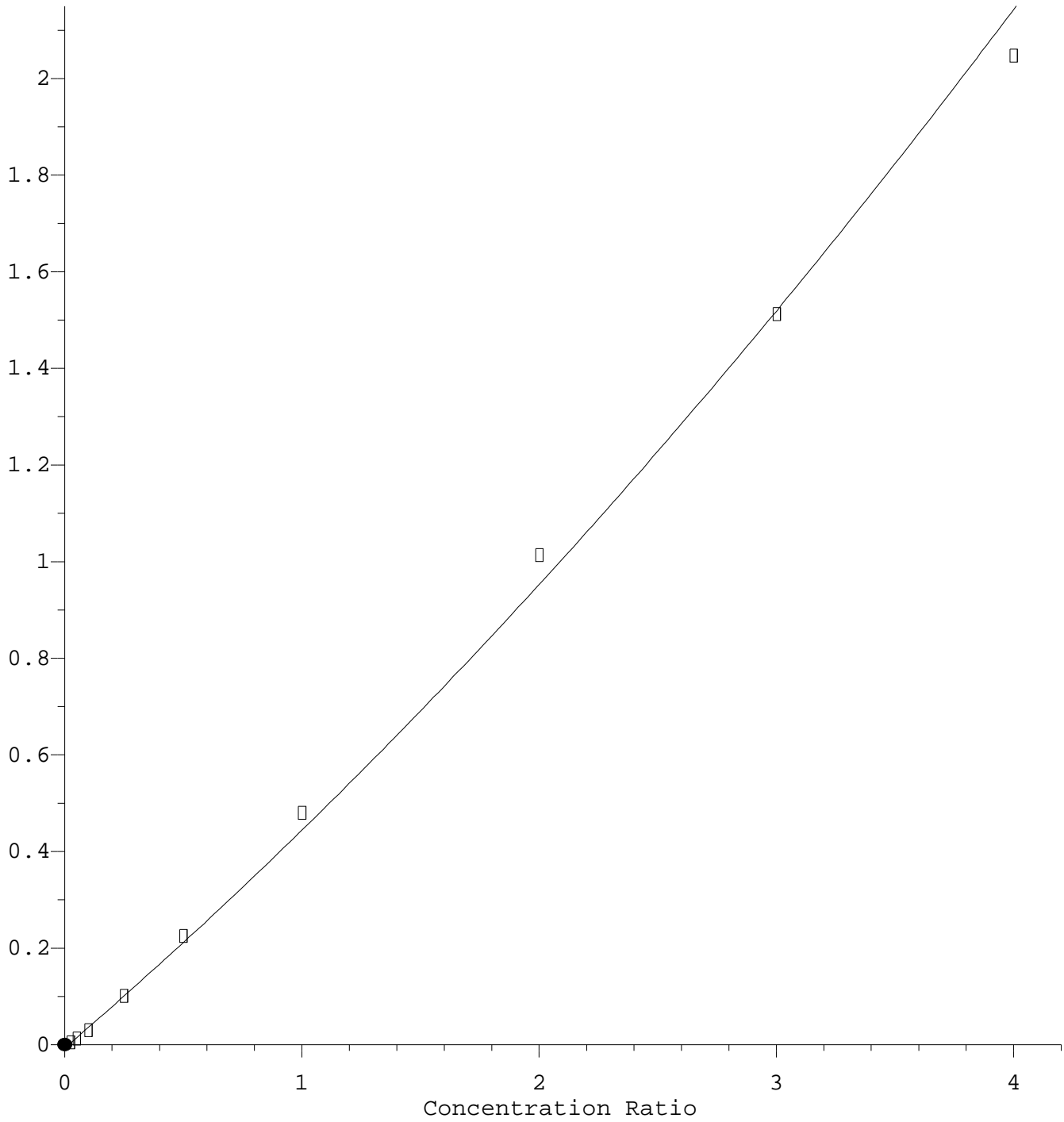


TIC: J05012011.D\data.ms

(76) Benzidine (T)		
12.922min (+ 0.022)	136.01 ng/ml m	
response	158	
Ion	Exp%	Act%
184.10	100.00	100.00
185.10	15.70	0.00
92.10	10.00	0.00
0.00	0.00	0.00

Butyl benzyl phthalate

Response Ratio

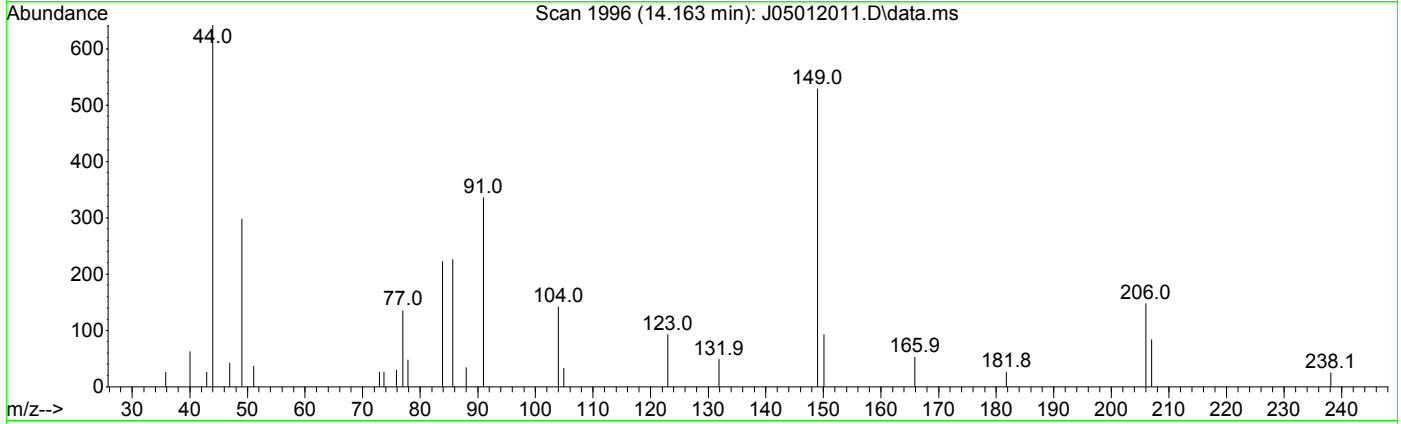
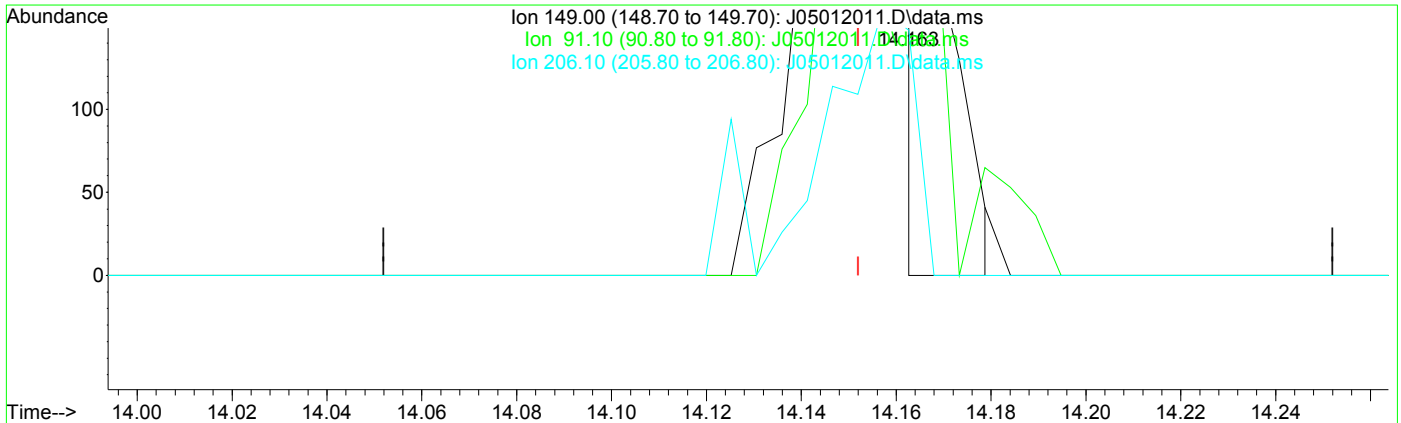


$R = 2.89e-002 A^2 + 4.22e-001 A - 6.40e-003$
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

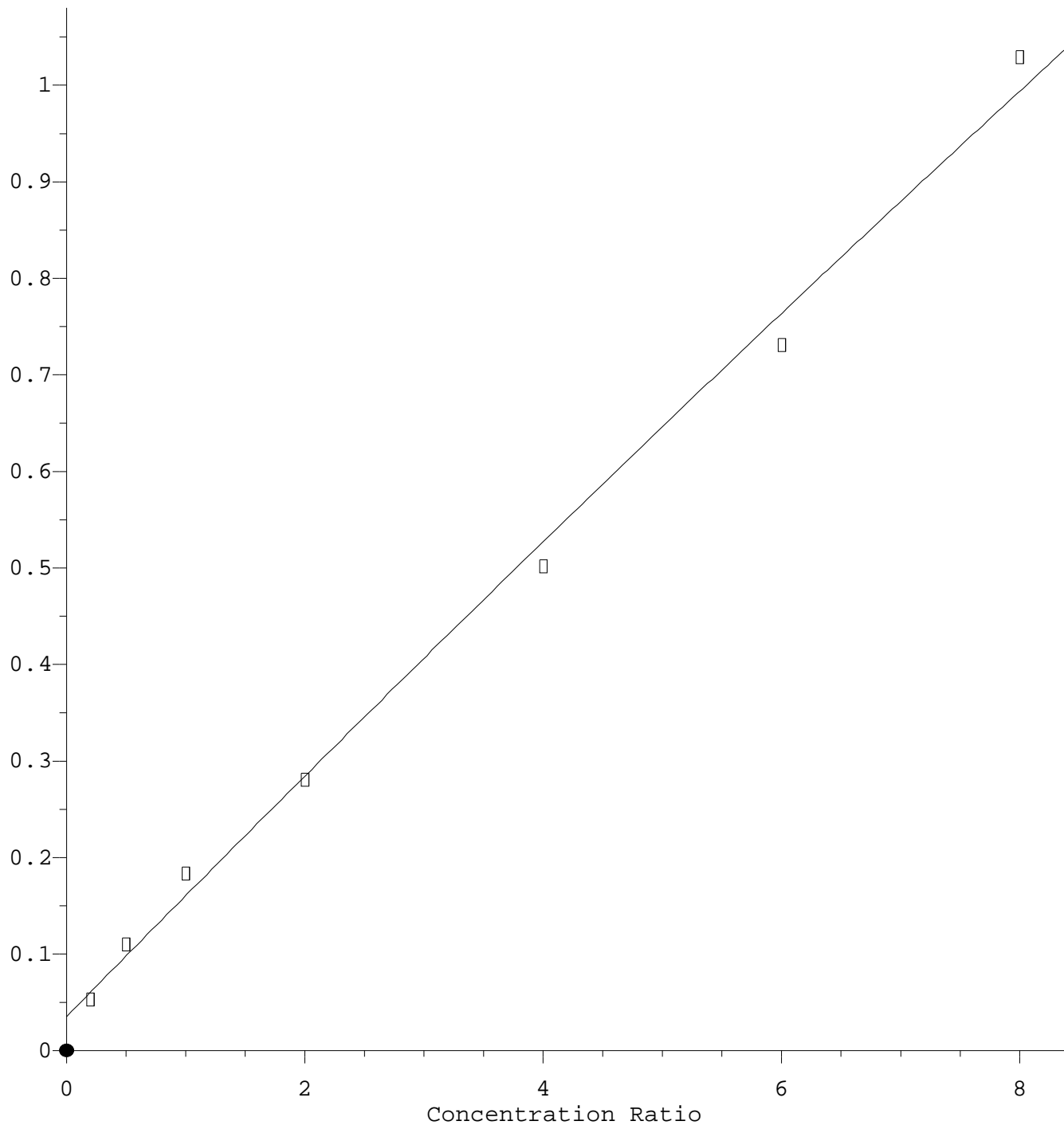


TIC: J05012011.D\data.ms

(80) Butyl benzyl phthalate (T)		
14.163min (+ 0.011)	31.21 ng/ml m	
response	118	
Ion	Exp%	Act%
149.00	100.00	100.00
91.10	55.70	63.52
206.10	18.20	27.98
0.00	0.00	0.00

3,3-Dichlorobenzidine

Response Ratio

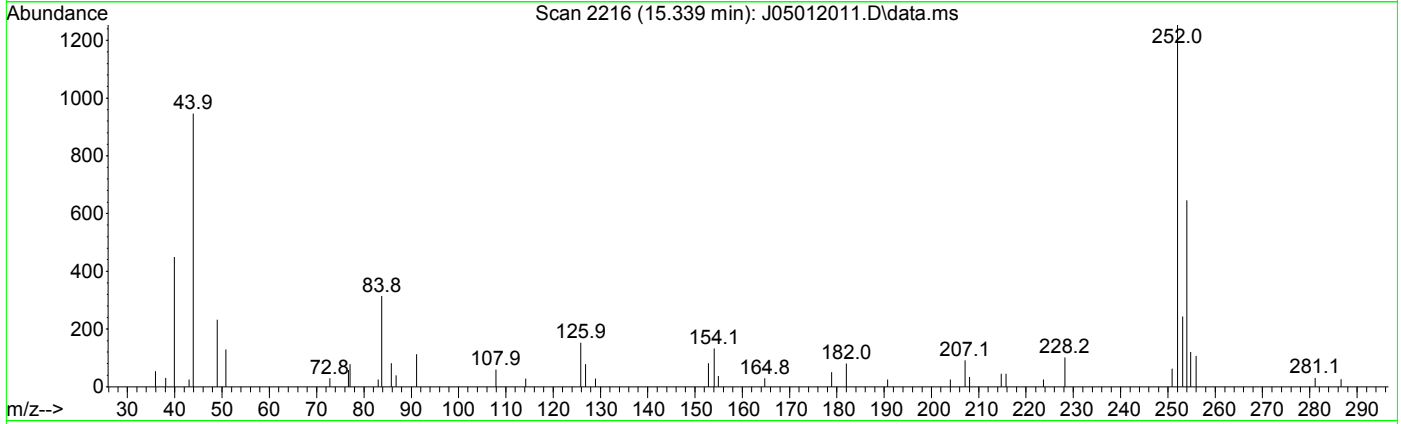
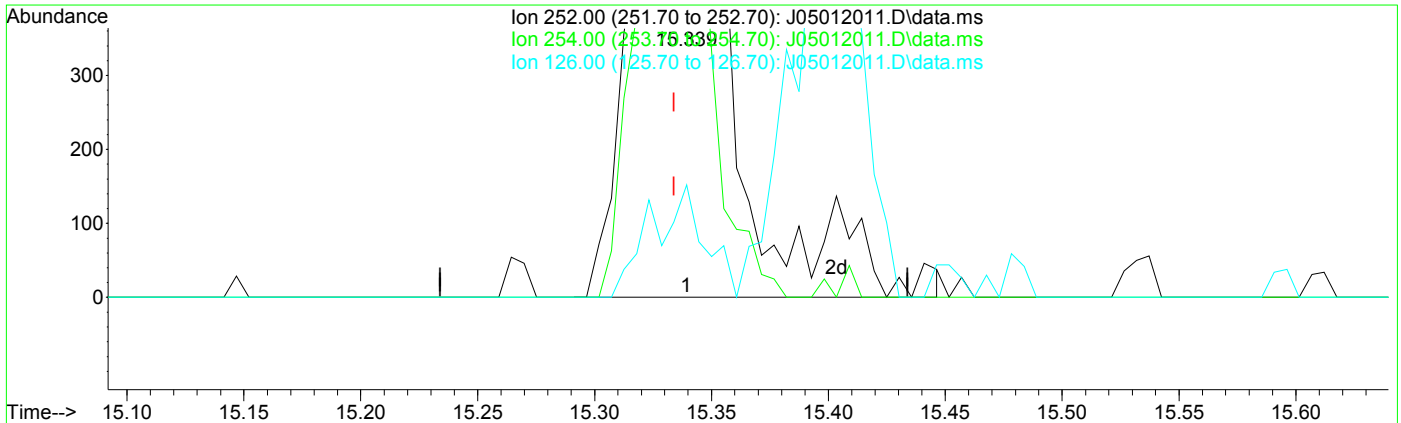


R = $-7.83e-004 A^2 + 1.26e-001 A + 3.53e-002$
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

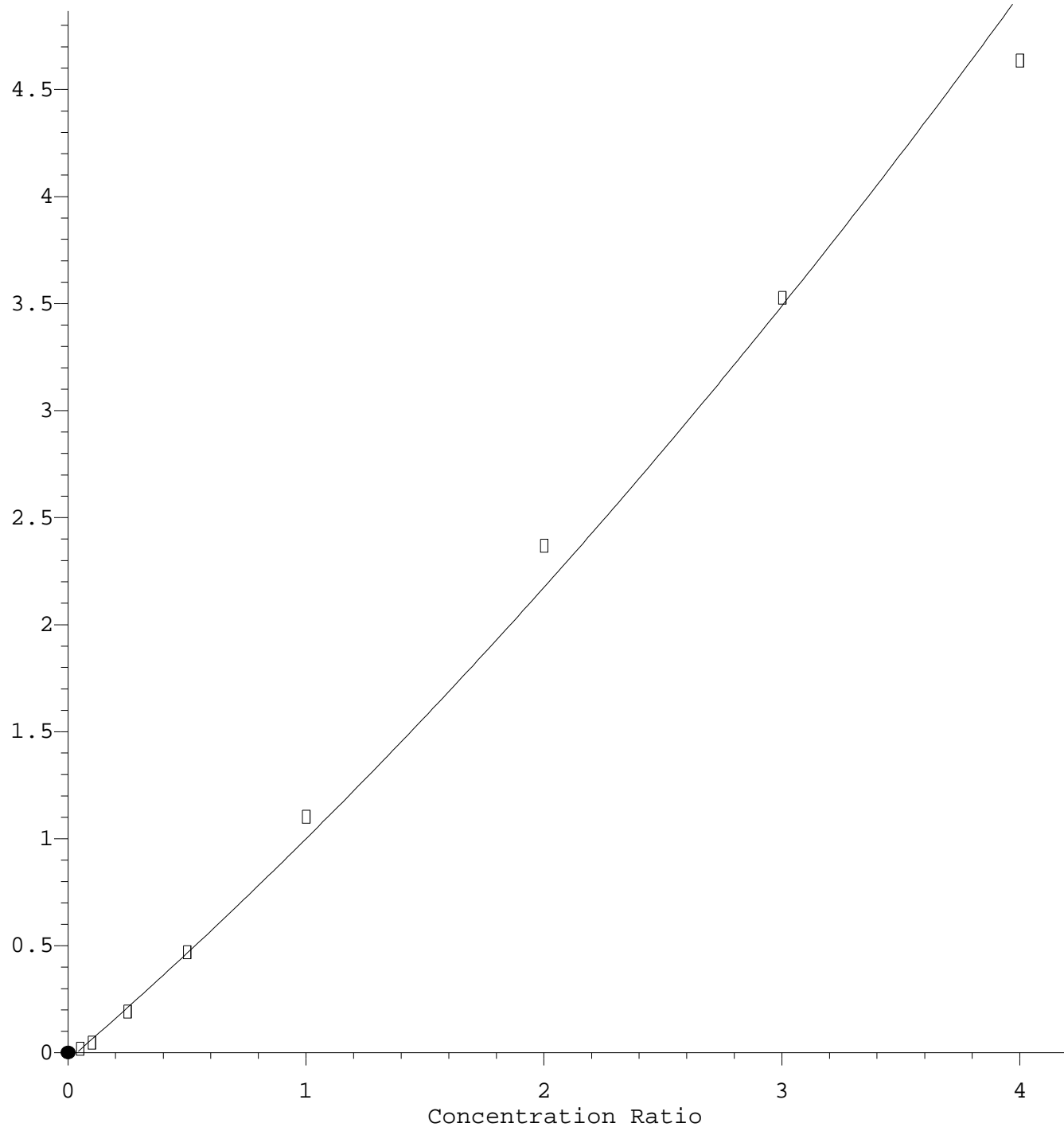


TIC: J05012011.D\data.ms

(82) 3,3-Dichlorobenzidine (T)		
15.339min (+ 0.005) -1.00 ng/ml m		
response	2655	
Ion	Exp%	Act%
252.00	100.00	100.00
254.00	62.60	51.56
126.00	13.30	12.13
0.00	0.00	0.00

Di-n-octyl phthalate

Response Ratio

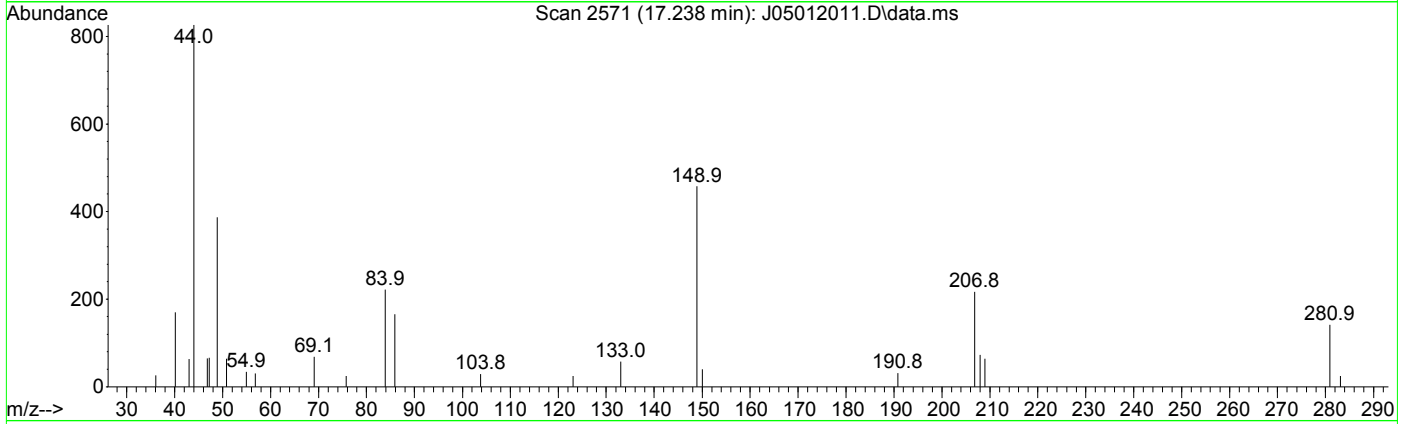
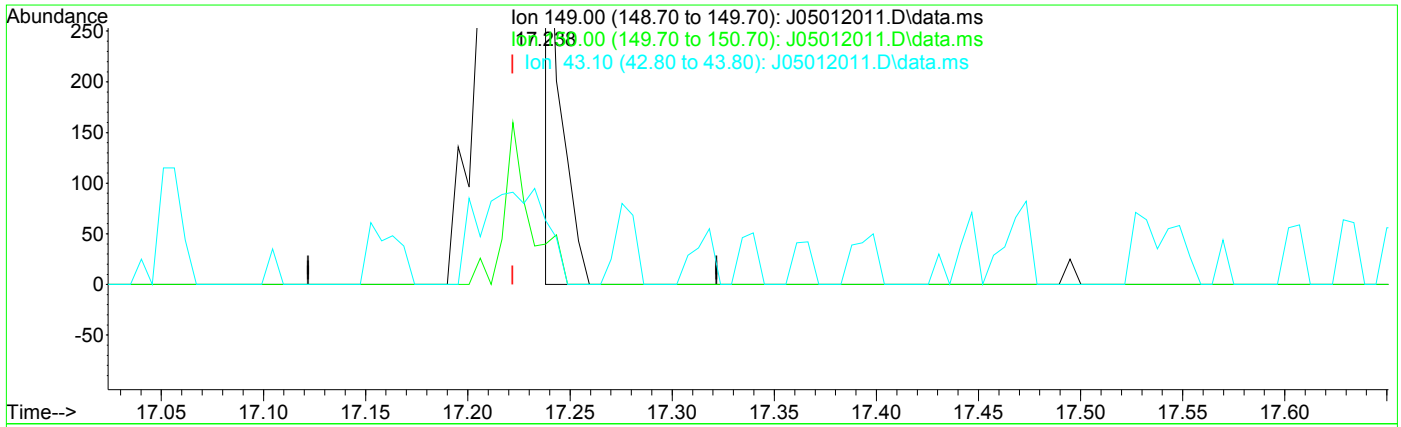


$R = 7.02e-002 A^2 + 9.64e-001 A - 3.48e-002$
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration



TIC: J05012011.D\data.ms

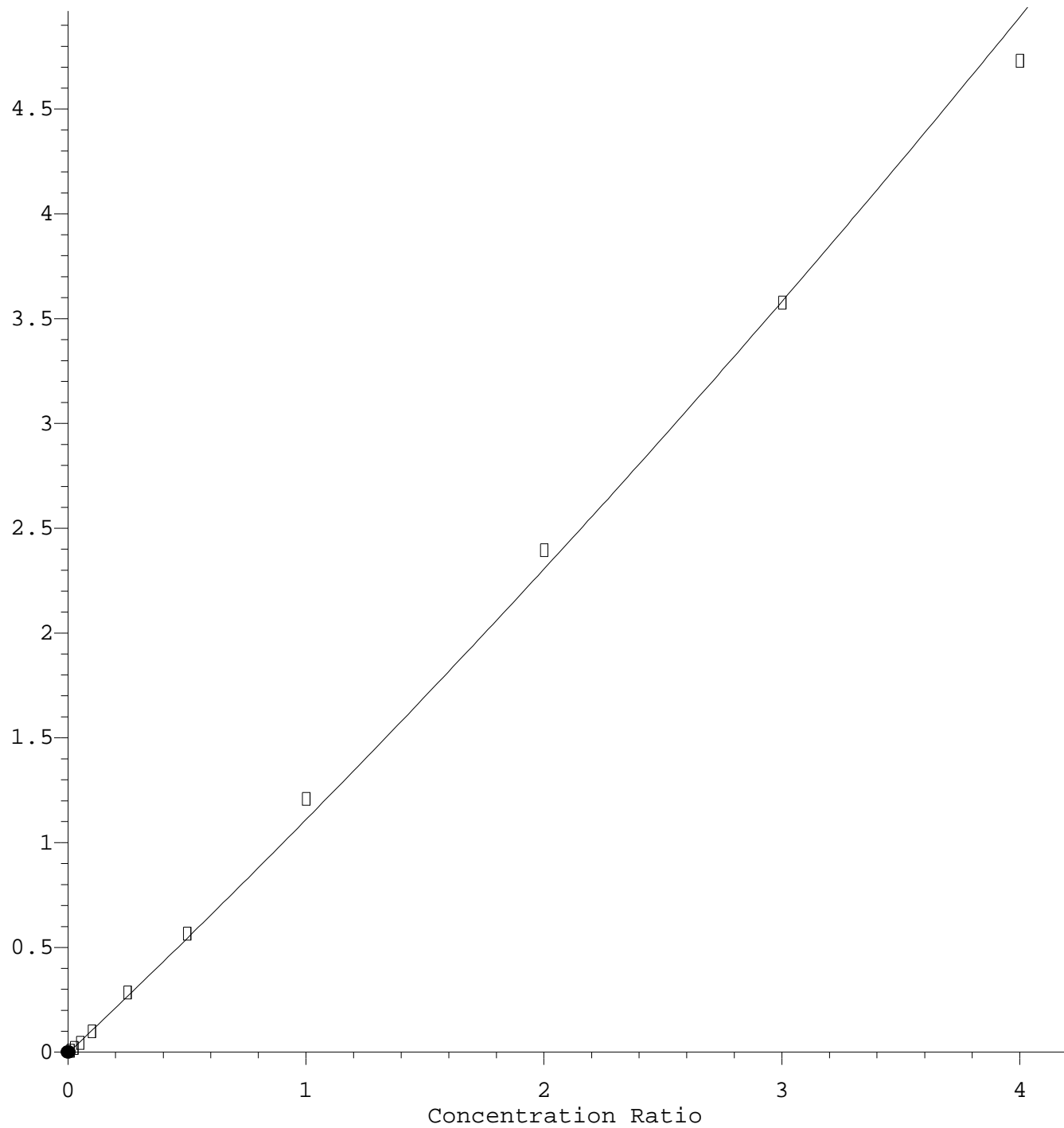
(87) Di-n-octyl phthalate (T)

17.238min (+ 0.016) 72.45 ng/ml m

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.70	8.73
43.10	4.60	13.76
0.00	0.00	0.00

Benzo(b)fluoranthene

Response Ratio

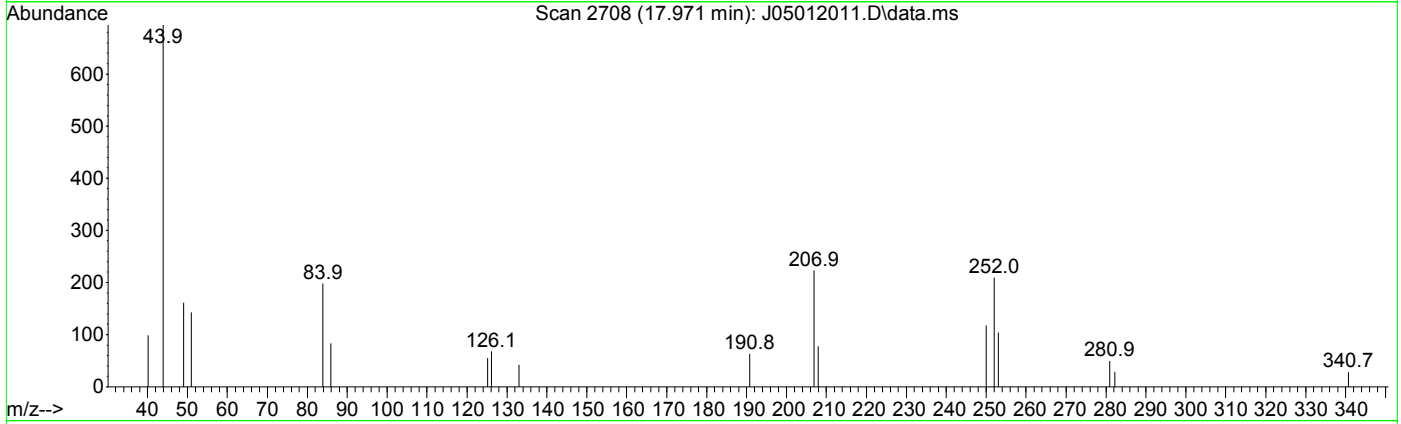
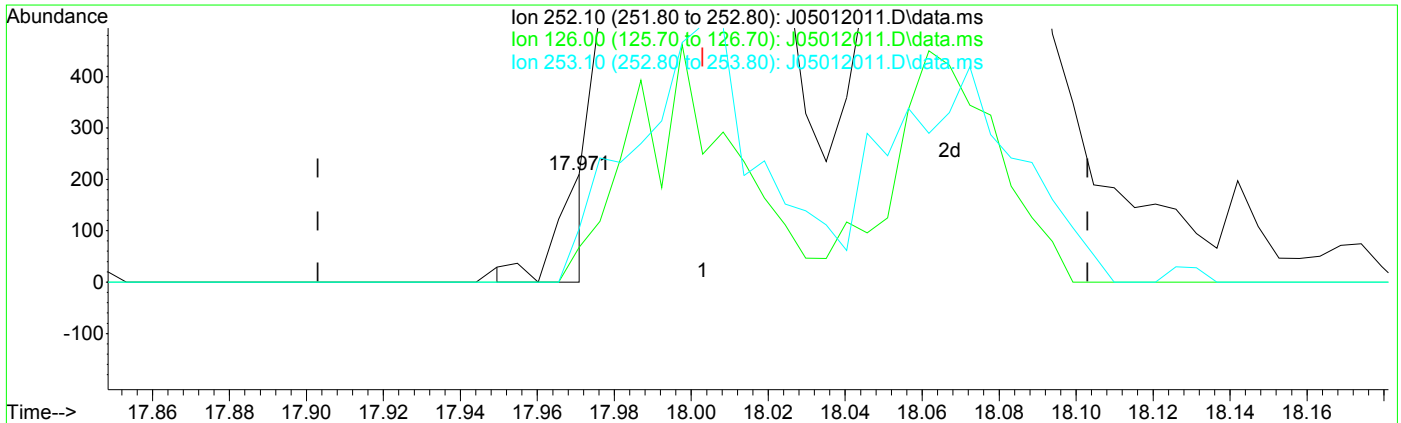


$R = 4.07e-002 A^2 + 1.07e+000 A - 4.38e-003$
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
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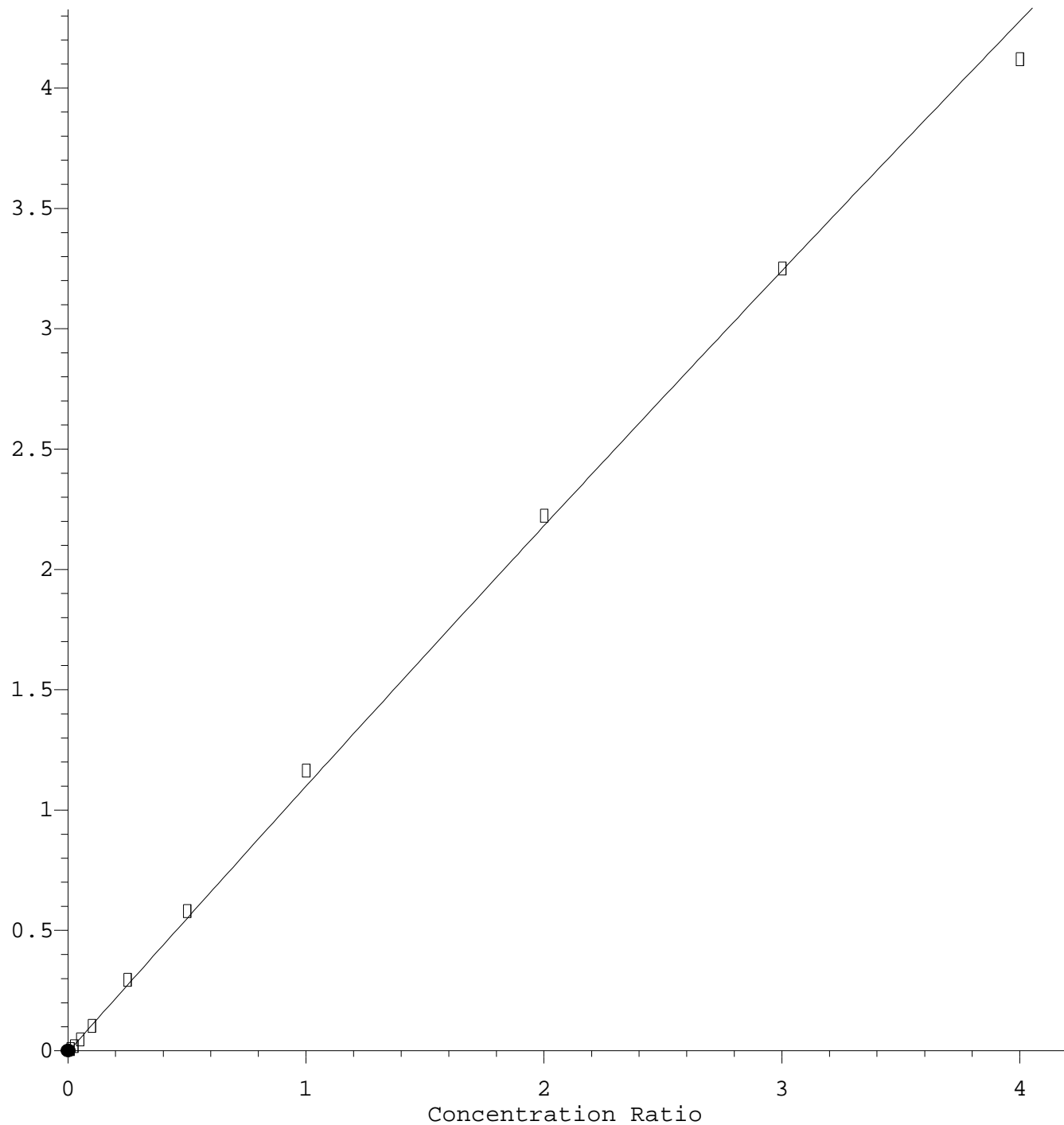


TIC: J05012011.D\data.ms

(88) Benzo(b)fluoranthene (T)		
17.971min (-0.032)	8.50 ng/ml m	
response	119	
Ion	Exp%	Act%
252.10	100.00	100.00
126.00	16.20	32.38
253.10	22.30	49.52
0.00	0.00	0.00

Benzo(k)fluoranthene

Response Ratio

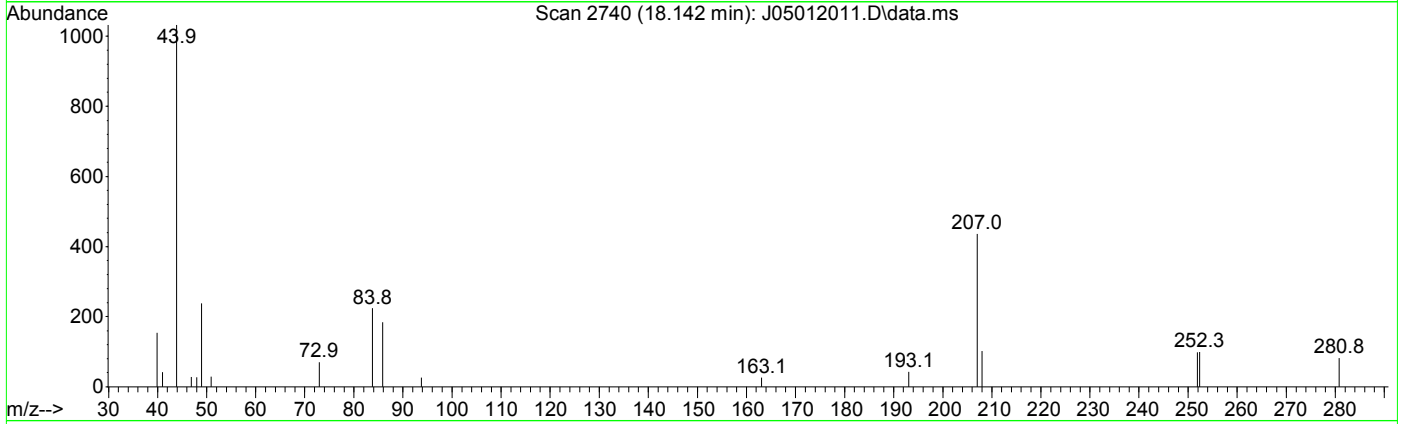
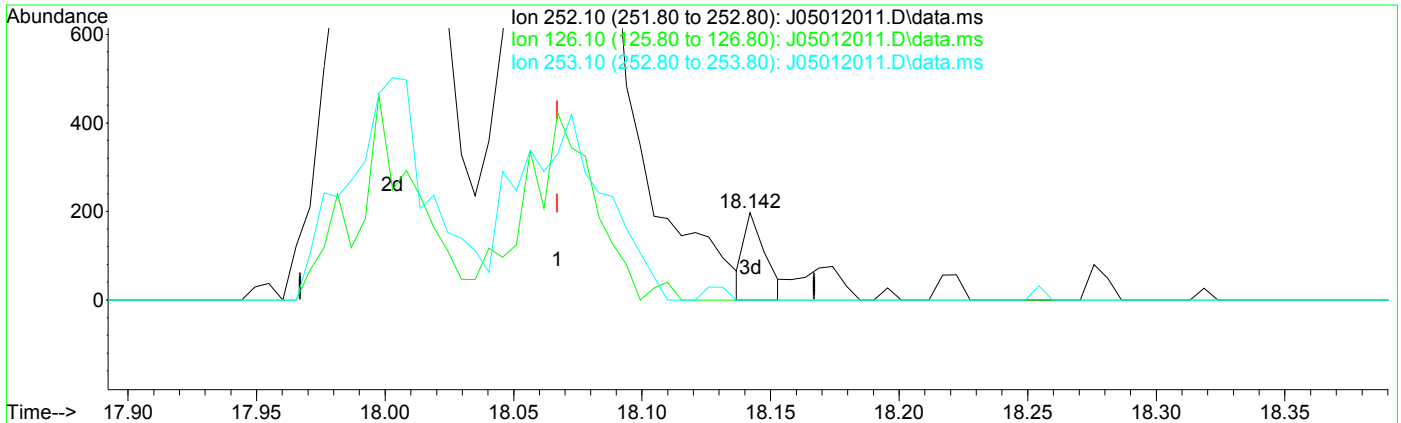


$R = -1.10e-002 A^2 + 1.12e+000 A - 5.09e-003$
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

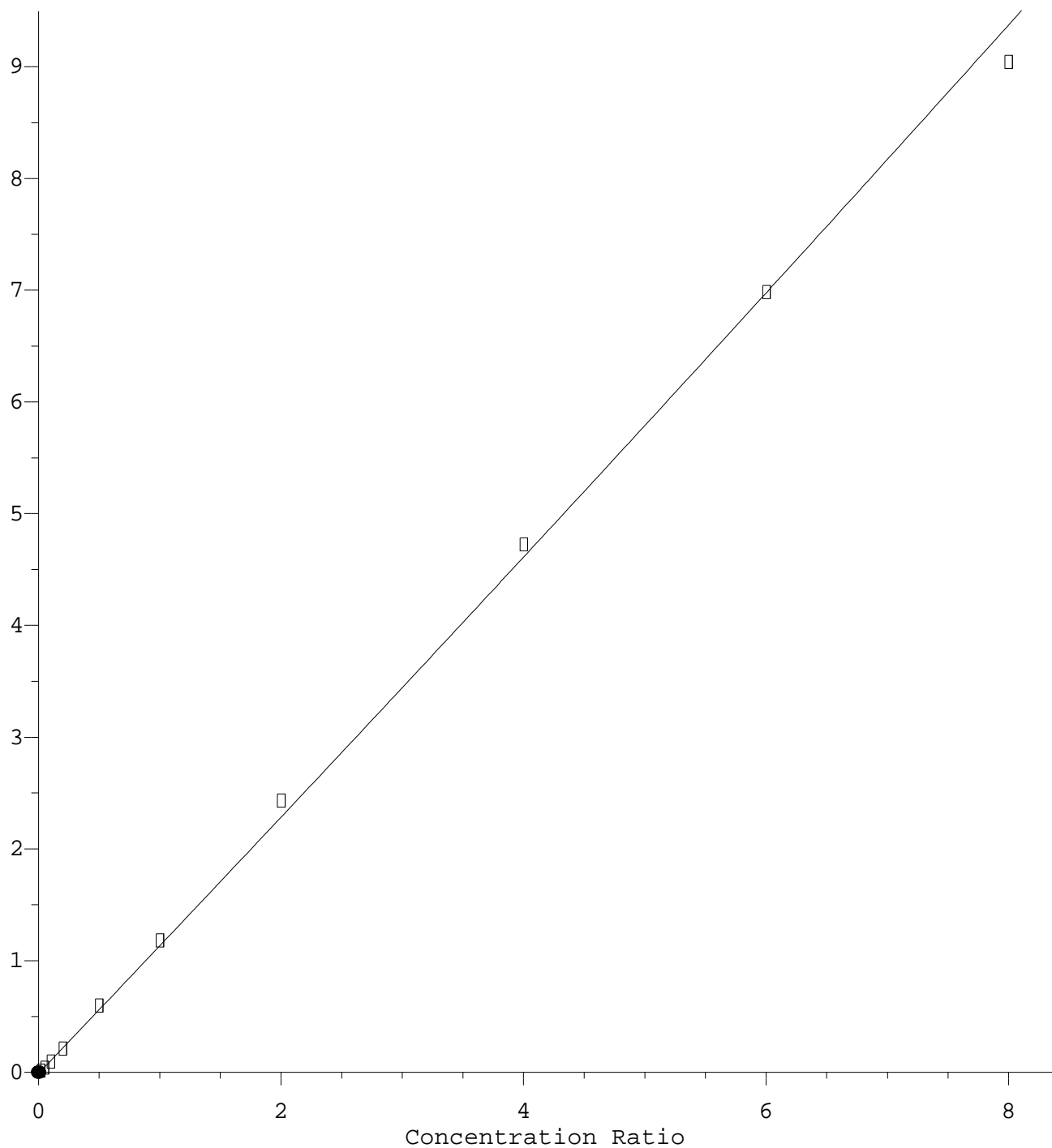


(89) Benzo(k)fluoranthene (T)
 18.142min (+ 0.075) 9.45 ng/ml m
 response 113

Ion	Exp%	Act%
252.10	100.00	100.00
126.10	17.40	0.00
253.10	21.90	0.00
0.00	0.00	0.00

Benzo(b+k)fluoranthene

Response Ratio

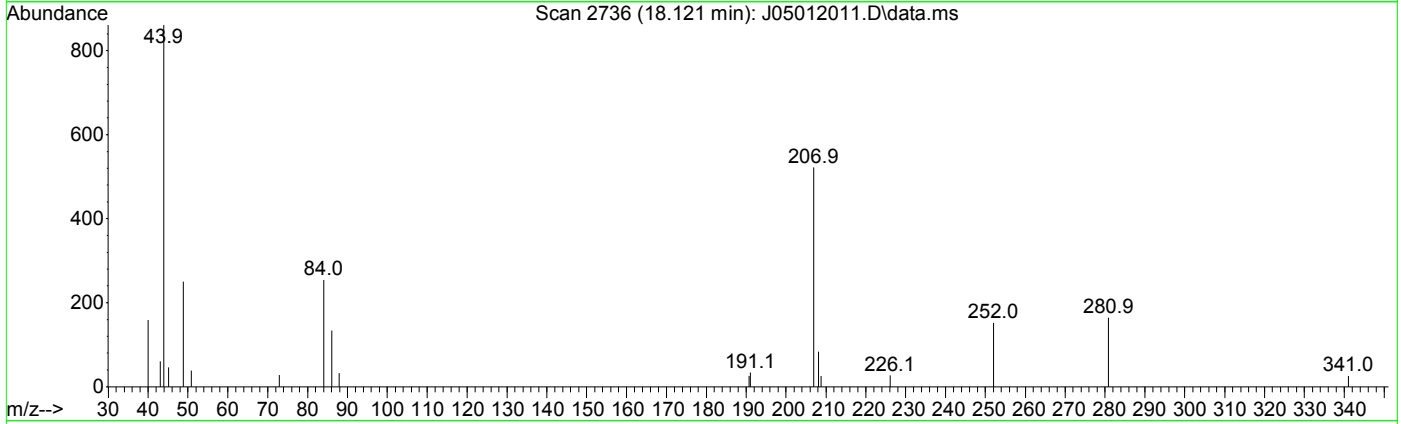
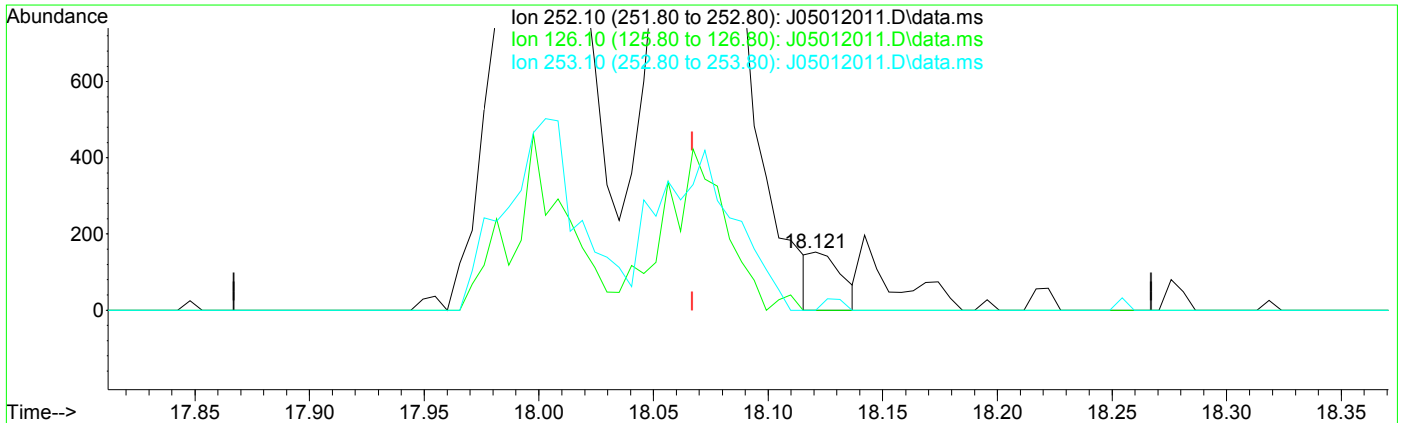


$R = 4.42e-003 A^2 + 1.14e+000 A - 9.27e-003$
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

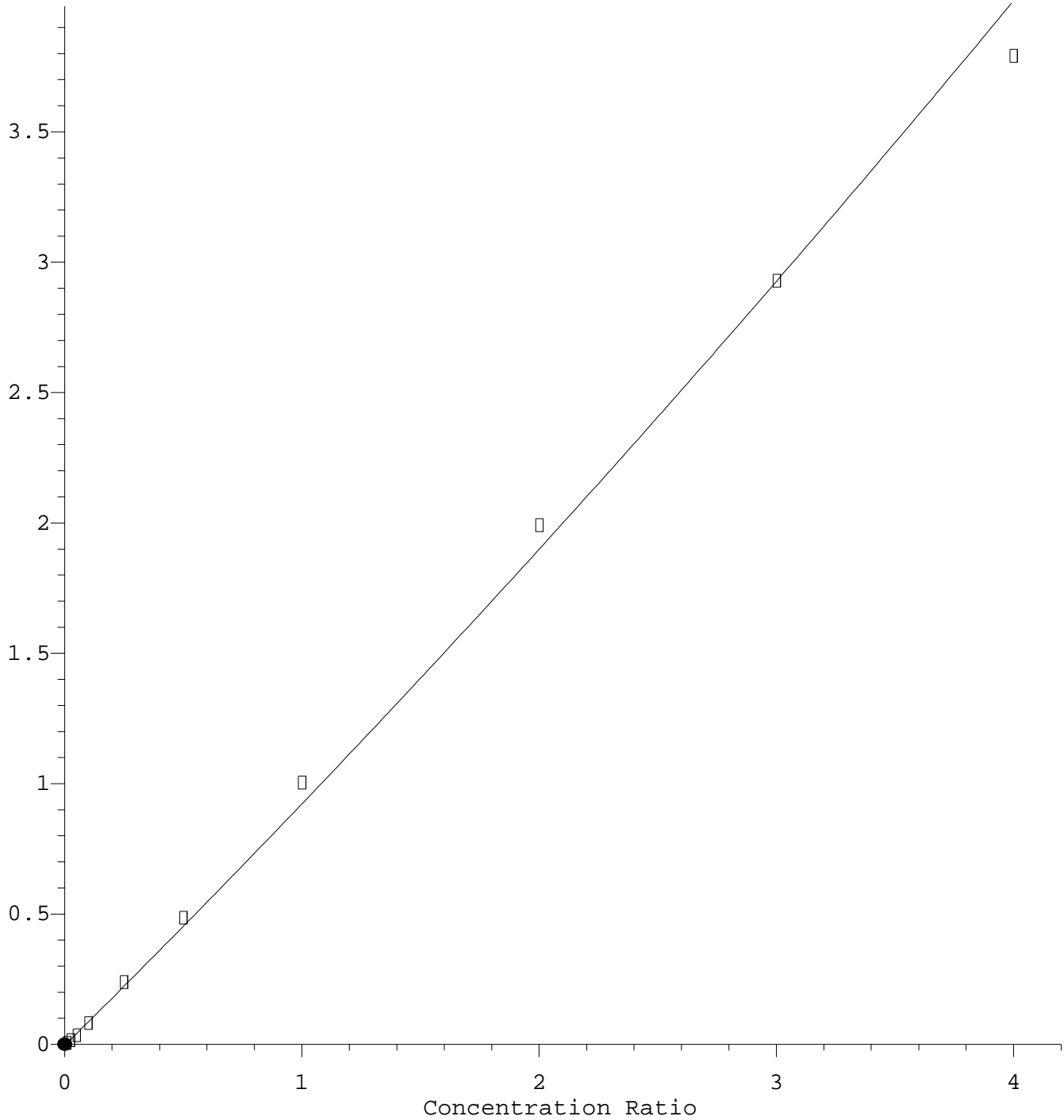


TIC: J05012011.D\data.ms

(90) Benzo(b+k)fluoranthene (T)		
18.121min (+ 0.054) 16.70 ng/ml m		
response	146	
Ion	Exp%	Act%
252.10	100.00	100.00
126.10	17.40	0.00
253.10	21.90	0.00
0.00	0.00	0.00

Benzo(a)pyrene

Response Ratio

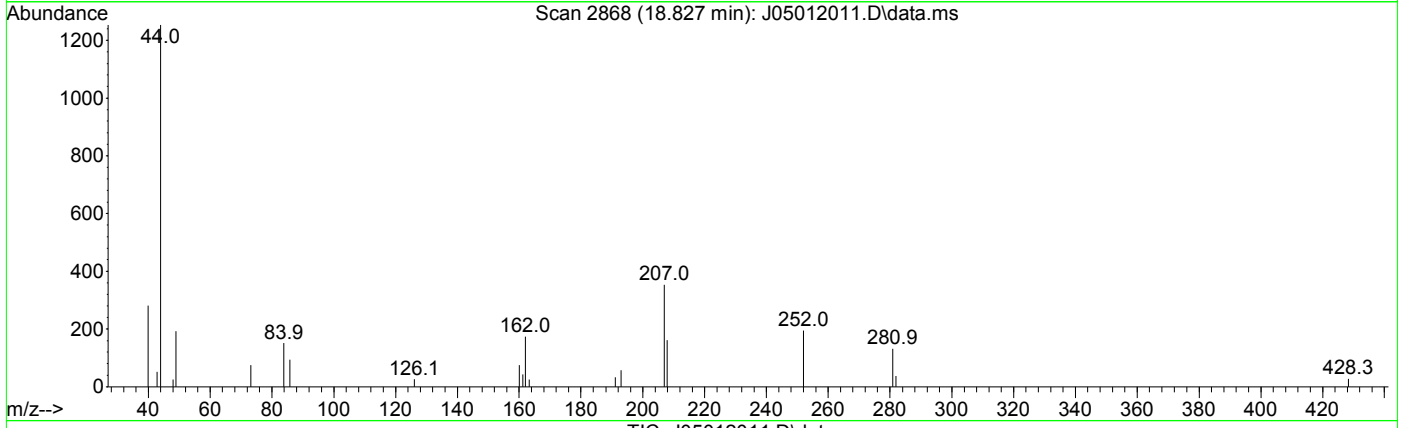
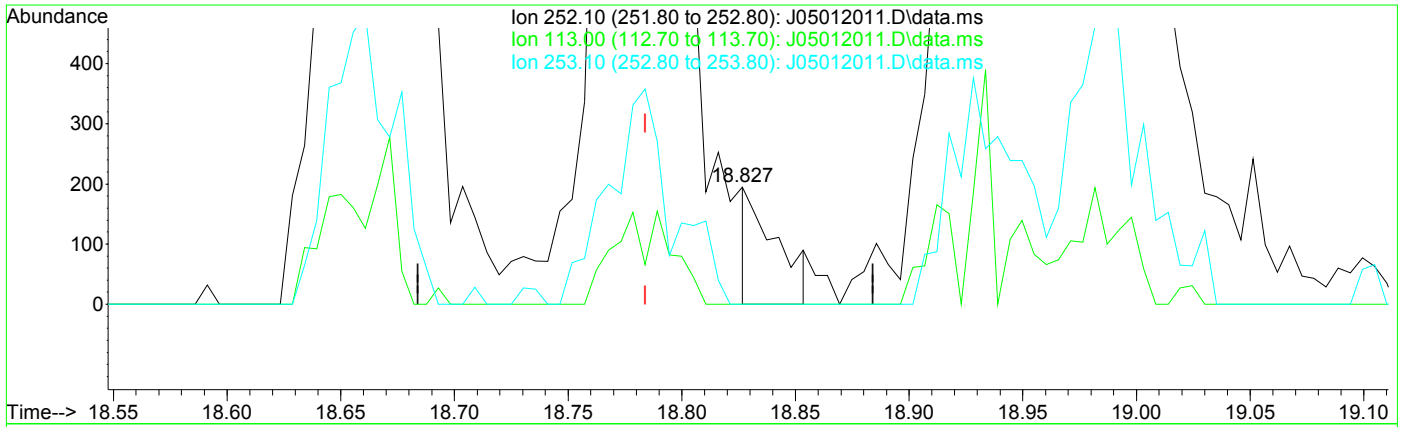


$R = 2.51e-002 A^2 + 9.01e-001 A - 4.19e-003$
Coef of Det (r^2) = 0.992 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\1\methods\SV10_050120.M
Calibration Table Last Updated: Mon May 04 12:30:38 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\REQUANT\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 13:20:56 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration



TIC: J05012011.D\data.ms

(92) Benzo(a)pyrene (T)
 18.827min (+ 0.043) 9.89 ng/ml m

Ion	Exp%	Act%
252.10	100.00	100.00
113.00	9.40	0.00
253.10	22.40	0.00
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0E01048

Analysis Included
8270E LL Full List

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0E01048-TUN1	MS Tune	Soil	A20D411	A20C061	5/1/2020 2:11:00PM
0E01048-ICB1	Initial Cal Blank	Soil		A20C061	5/1/2020 2:39:00PM
0E01048-CAL1	Cal Standard	Soil	A20D243	"	5/1/2020 3:16:00PM
0E01048-CAL2	Cal Standard	Soil	A20D244	"	5/1/2020 3:53:00PM
0E01048-CAL3	Cal Standard	Soil	A20D245	"	5/1/2020 6:15:00PM
0E01048-CAL4	Cal Standard	Soil	A20D246	"	5/1/2020 6:50:00PM
0E01048-CAL5	Cal Standard	Soil	A20D247	"	5/1/2020 7:26:00PM
0E01048-CAL6	Cal Standard	Soil	A20D248	"	5/1/2020 8:01:00PM
0E01048-CAL7	Cal Standard	Soil	A20D249	"	5/1/2020 8:36:00PM
0E01048-CAL8	Cal Standard	Soil	A20D250	"	5/1/2020 9:11:00PM
0E01048-CAL9	Cal Standard	Soil	A20D251	"	5/1/2020 9:46:00PM
0E01048-CALA	Cal Standard	Soil	A20D252	"	5/1/2020 10:21:00PM
0E01048-ICV1	Initial Cal Check	Soil	A20C090	"	5/1/2020 11:31:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0E0506**

Instrument: **SV-GCMS10**

8270E LL Full List

Sequence: **0E01048**

Matrix: **Soil**

0E01048-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-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 quadratic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: **0E01048**

Analytes With Quadratic Curve Fits

<u>Qualifier</u>	<u>iMDL</u>	<u>iMRL</u>	<u>Spike Amt</u>	<u>%Difference</u>	<u>OK?</u>	<u>Raise MRL to ?</u>
_____				_____	<input type="checkbox"/>	<input type="checkbox"/> _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0E0506** Instrument: **SV-GCMS10**

8270E LL Full List

Sequence: **0E01048**

Matrix: **Soil**

0E01048-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.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0E01048

Analysis Included
8270E LL Full List

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0E01048-TUN1	MS Tune	Water	A20D411	A20C061	5/1/2020 2:11:00PM
0E01048-ICB1	Initial Cal Blank	Water		A20C061	5/1/2020 2:39:00PM
0E01048-CAL1	Cal Standard	Water	A20D243	"	5/1/2020 3:16:00PM
0E01048-CAL2	Cal Standard	Water	A20D244	"	5/1/2020 3:53:00PM
0E01048-CAL3	Cal Standard	Water	A20D245	"	5/1/2020 6:15:00PM
0E01048-CAL4	Cal Standard	Water	A20D246	"	5/1/2020 6:50:00PM
0E01048-CAL5	Cal Standard	Water	A20D247	"	5/1/2020 7:26:00PM
0E01048-CAL6	Cal Standard	Water	A20D248	"	5/1/2020 8:01:00PM
0E01048-CAL7	Cal Standard	Water	A20D249	"	5/1/2020 8:36:00PM
0E01048-CAL8	Cal Standard	Water	A20D250	"	5/1/2020 9:11:00PM
0E01048-CAL9	Cal Standard	Water	A20D251	"	5/1/2020 9:46:00PM
0E01048-CALA	Cal Standard	Water	A20D252	"	5/1/2020 10:21:00PM
0E01048-ICV1	Initial Cal Check	Water	A20C090	"	5/1/2020 11:31:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0E0506**

Instrument: **SV-GCMS10**

8270E LL Full List

Sequence: **0E01048**

Matrix: **Water**

0E01048-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0E01048-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 quadratic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0E01048

Analytes With Quadratic Curve Fits

<u>Qualifier</u>	<u>iMDL</u>	<u>iMRL</u>	<u>Spike Amt</u>	<u>%Difference</u>	<u>OK?</u>	<u>Raise MRL to ?</u>
_____				_____	<input type="checkbox"/>	<input type="checkbox"/> _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0E0506** Instrument: **SV-GCMS10**

8270E LL Full List

Sequence: **0E01048**

Matrix: **Water**

0E01048-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 : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 05 14:50:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4 (IST	2000.000	2000.000	0.0	100	0.00
2 TG	N-Nitrosodimethylamine	1000.000	1108.563	-10.9	109	-0.02
3 TG	Pyridine	1000.000	1032.737	-3.3	103	-0.02
4 S	2-Fluorophenol (Surr)	1000.000	1090.392	-9.0	105	0.00
5 S	Phenol-d6 (Surr)	1000.000	1143.738	-14.4	106	0.00
6 T	Phenol	1000.000	1230.470	-23.0	119	0.00
7 T	Aniline	1000.000	1062.633	-6.3	106	0.00
8 T	Bis(2-chloroethyl) ether	1000.000	1131.847	-13.2	104	0.00
9 T	2-Chlorophenol	1000.000	1126.541	-12.7	105	0.00
10 T	1,3-Dichlorobenzene	1000.000	1041.869	-4.2	103	0.00
11 T	1,4-Dichlorobenzene	1000.000	1061.399	-6.1	106	0.00
12 T	Benzyl alcohol	1000.000	1114.553	-11.5	102	0.00
13 T	1,2-Dichlorobenzene	1000.000	1084.345	-8.4	105	0.00
14 T	2-Methylphenol	1000.000	1185.828	-18.6	108	0.00
15 T	2,2'-Oxybis(1-Chloropropane	1000.000	1126.027	-12.6	107	0.00
16 T	N-Nitrosodi-n-propylamine	1000.000	1174.888	-17.5	108	0.00
17 T	3+4-Methylphenol	1000.000	1202.521	-20.3	108	0.00
18 T	Hexachloroethane	1000.000	1079.192	-7.9	106	0.00
19 S	Nitrobenzene-d5 (Surr)	1000.000	1147.138	-14.7	105	0.00
20 T	Nitrobenzene	1000.000	1157.931	-15.8	110	0.00
21 I	Naphthalene-d8 (ISTD)	2000.000	2000.000	0.0	103	0.00
22 T	Isophorone	1000.000	1100.114	-10.0	109	0.00
23 T	2-Nitrophenol	1000.000	1165.743	-16.6	108	0.00
24 T	2,4-Dimethylphenol	1000.000	1021.471	-2.1	96	0.00
25 T	Bis(2-chloroethoxy) methane	1000.000	1101.948	-10.2	109	0.00
26 T	Benzoic acid	2000.000	2143.149	-7.2	131	0.00
27 T	2,4-Dichlorophenol	1000.000	1152.764	-15.3	109	0.00
28 T	1,2,4-Trichlorobenzene	1000.000	1049.718	-5.0	104	0.00
29 T	Naphthalene	1000.000	1064.028	-6.4	105	0.00
30 T	4-Chloroaniline	1000.000	1182.098	-18.2	107	0.00
31 T	Hexachlorobutadiene	1000.000	1050.382	-5.0	106	0.00
32 T	4-Chloro-3-methylphenol	1000.000	1145.587	-14.6	111	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 14:50:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
33 T	2-Methylnaphthalene	1000.000	1131.322	-13.1	111	0.00
34 T	1-Methylnaphthalene	1000.000	1151.876	-15.2	115	0.00
35 I	Acenaphthene-d10 (ISTD)	2000.000	2000.000	0.0	106	0.00
36 T	Hexachlorocyclopentadiene	1000.000	1123.999	-12.4	112	0.00
37 T	2,4,6-Trichlorophenol	1000.000	1067.913	-6.8	105	0.00
38 T	2,4,5-Trichlorophenol	1000.000	1101.862	-10.2	111	0.00
39 T	1,1'-Biphenyl	1000.000	1083.657	-8.4	109	0.00
40 S	2-Fluorobiphenyl (Surr)	1000.000	1047.641	-4.8	107	0.00
41 T	2-Chloronaphthalene	1000.000	1070.551	-7.1	109	0.00
42 T	2-Nitroaniline	1000.000	1147.620	-14.8	114	0.00
43 T	2,6-Dimethylnaphthalene	1000.000	1090.694	-9.1	110	0.00
44 T	1,4-Dinitrobenzene	1000.000	1102.148	-10.2	113	0.00
45 T	Dimethyl phthalate	1000.000	1088.344	-8.8	109	0.00
46 T	1,3-Dinitrobenzene	1000.000	1090.531	-9.1	112	0.00
47 T	2,6-Dinitrotoluene	1000.000	1100.770	-10.1	112	0.00
48 T	1,2-Dinitrobenzene	1000.000	1097.993	-9.8	110	0.00
49 T	Acenaphthylene	1000.000	1124.206	-12.4	112	0.00
50 T	3-Nitroaniline	1000.000	1018.909	-1.9	105	0.00
51 T	Acenaphthene	1000.000	1062.838	-6.3	108	0.00
52 T	2,4-Dinitrophenol	1000.000	985.126	1.5	114	0.00
53 T	4-Nitrophenol	1000.000	1051.722	-5.2	104	0.00
54 T	2,4-Dinitrotoluene	1000.000	1057.786	-5.8	109	0.00
55 T	Dibenzofuran	1000.000	1053.846	-5.4	107	0.00
56 T	2,3,5,6-Tetrachlorophenol	1000.000	1085.616	-8.6	110	0.00
57 T	2,3,4,6-Tetrachlorophenol	1000.000	1084.072	-8.4	114	0.00
58 T	Diethyl phthalate	1000.000	1027.404	-2.7	102	0.00
59 T	2,3,5-Trimethylnaphthalene	1000.000	1075.293	-7.5	106	0.00
60 T	Fluorene	1000.000	1053.882	-5.4	105	0.00
61 T	4-Chlorophenyl phenyl ether	1000.000	1017.007	-1.7	106	0.00
62 T	4-Nitroaniline	1000.000	987.345	1.3	98	0.00
63 T	4,6-Dinitro-2-methylphenol	1000.000	1002.758	-0.3	111	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 14:50:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
64 I	Phenanthrene-d10 (ISTD)	2000.000	2000.000	0.0	101	0.00
65 T	N-Nitrosodiphenylamine	1000.000	1112.245	-11.2	102	0.00
66 T	Azobenzene (1,2-DPH)	1000.000	1093.438	-9.3	103	0.00
67 S	2,4,6-Tribromophenol (Surr)	1000.000	1114.450	-11.4	107	0.00
68 T	4-Bromophenyl phenyl ether	1000.000	1045.459	-4.5	104	0.00
69 T	Hexachlorobenzene	1000.000	1020.870	-2.1	104	0.00
70 T	Pentachlorophenol (PCP)	1000.000	1108.710	-10.9	107	0.00
71 T	Phenanthrene	1000.000	1058.611	-5.9	103	0.00
72 T	Anthracene	1000.000	1094.785	-9.5	103	0.00
73 T	Carbazole	1000.000	1041.548	-4.2	102	0.00
74 T	Di-n-butyl phthalate	1000.000	1059.402	-5.9	98	0.00
75 T	Fluoranthene	1000.000	1093.711	-9.4	101	0.01
76 T	Benzidine	2000.000	1830.363	8.5	90	0.01
77 T	Pyrene	1000.000	1099.147	-9.9	102	0.01
78 I	Chrysene-d12 (ISTD)	2000.000	2000.000	0.0	98	0.02
79 S	Terphenyl-d14 (Surr)	1000.000	1053.119	-5.3	97	0.01
80 T	Butyl benzyl phthalate	1000.000	1091.882	-9.2	101	0.02
81 T	Bis(2-ethylhexyl) adipate	1000.000	945.390	5.5	94	0.02
82 T	3,3-Dichlorobenzidine	2000.000	2016.552	-0.8	86	0.02
83 T	Benz(a)anthracene	1000.000	1019.743	-2.0	97	0.02
84 T	Chrysene	1000.000	1052.420	-5.2	100	0.02
85 T	Bis(2-ethylhexyl) phthalate	1000.000	1015.554	-1.6	97	0.02
86 I	Perylene-d12 (ISTD)	2000.000	2000.000	0.0	95	0.02
87 T	Di-n-octyl phthalate	1000.000	1020.608	-2.1	96	0.02
88 T	Benzo(b)fluoranthene	1000.000	1096.894	-9.7	100	0.02
89 T	Benzo(k)fluoranthene	1000.000	1082.648	-8.3	97	0.02
90 T	Benzo(b+k)fluoranthene	2000.000	2160.400	-8.0	98	0.02
91 T	Benzo(e)pyrene	1000.000	1120.077	-12.0	96	0.02
92 T	Benzo(a)pyrene	1000.000	1112.922	-11.3	98	0.02
93 T	Perylene	1000.000	1221.852	-22.2	112	0.02

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 14:50:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
94 I	Dibenz(a,h)Anthrcene-d14 (I	2000.000	2000.000	0.0	93	0.02
95 T	Indeno(1,2,3-cd)pyrene	1000.000	1018.755	-1.9	97	0.02
96 T	Dibenz(a,h)anthracene	1000.000	1071.356	-7.1	98	0.02
97 T	Benzo(g,h,i)perylene	1000.000	1133.573	-13.4	96	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012009.D
 Acq On : 1 May 2020 2:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-TUN1
 Misc : 1x, A20D411 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 10:56:58 2020
 Quant Method : C:\msdchem\1\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon May 04 10:56:48 2020
 Response via : Initial Calibration

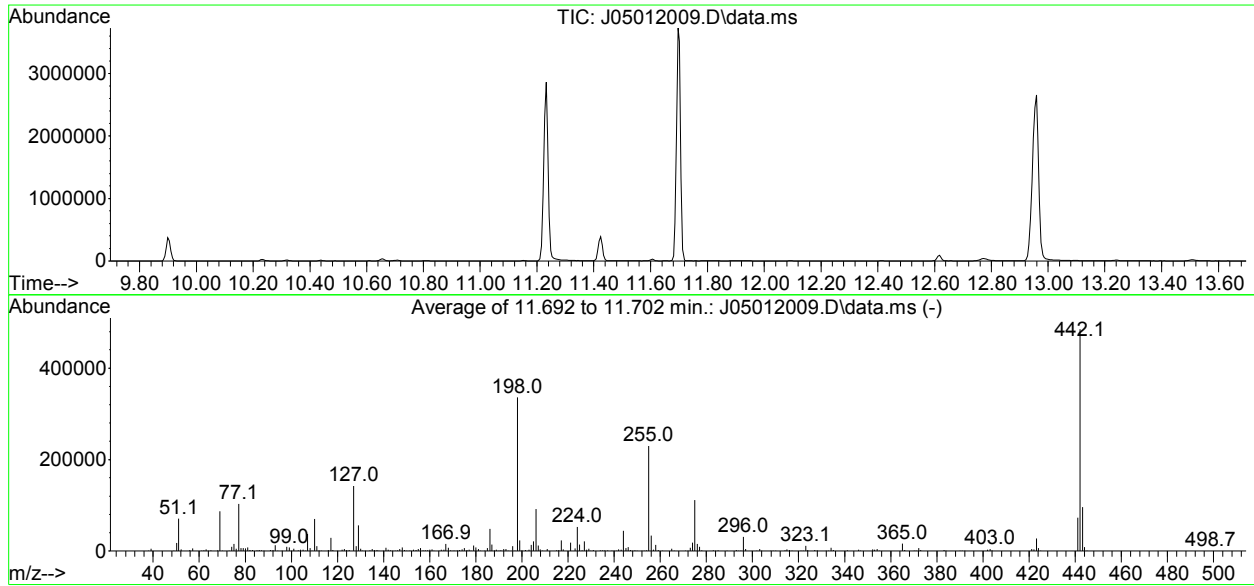
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	150	69799	2.00	ug/mL	0.00
2) Naphthalene-d8	8.113	136	175566	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.900	162	88689	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.424	188	159940	2.00	ug/mL	0.00
11) Chrysene-d12	15.275	240	139629	2.00	ug/mL	0.00
12) Perylene-d12	17.447	264	135213	2.00	ug/mL	# 0.00
Target Compounds						
						Qvalue
4) Pentachlorophenol	11.232	266	427848	51.09	ug/mL	81
6) DFTPP	11.702	442	617020	47.79	ug/mL#	59
7) Benzidine	12.959	184	1772639	31.16	ug/mL	97
8) 4,4-DDE	13.237	TIC	15271	No Calib		
9) 4,4-DDD	13.804	TIC	7055	No Calib		
10) 4,4-DDT	14.425	TIC	5137621	31.32	ug/mL	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012009.D
 Acq On : 1 May 2020 2:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-TUN1
 Misc : 1x, A20D411 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Mon May 04 10:56:48 2020



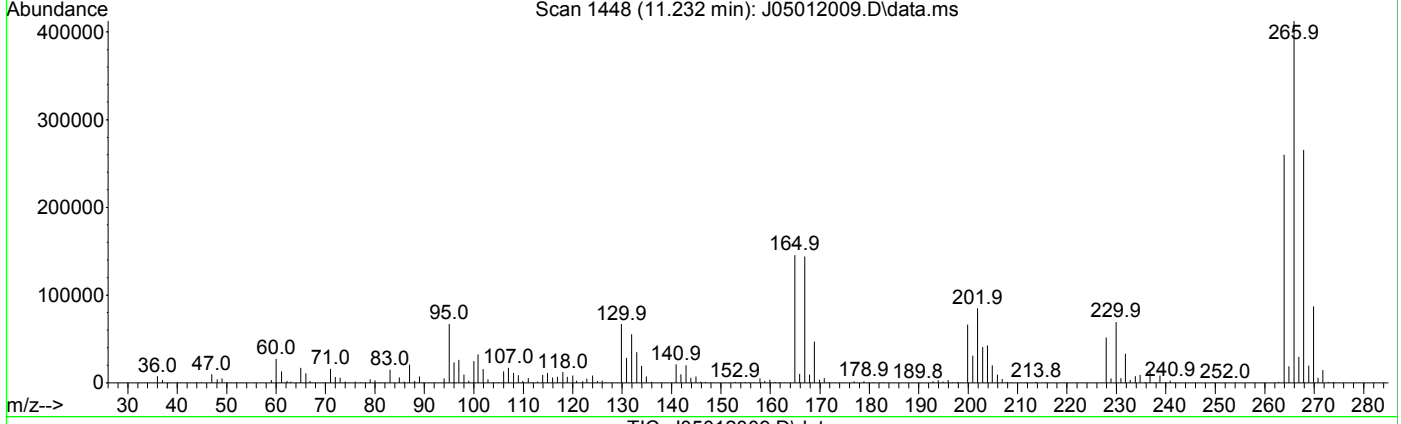
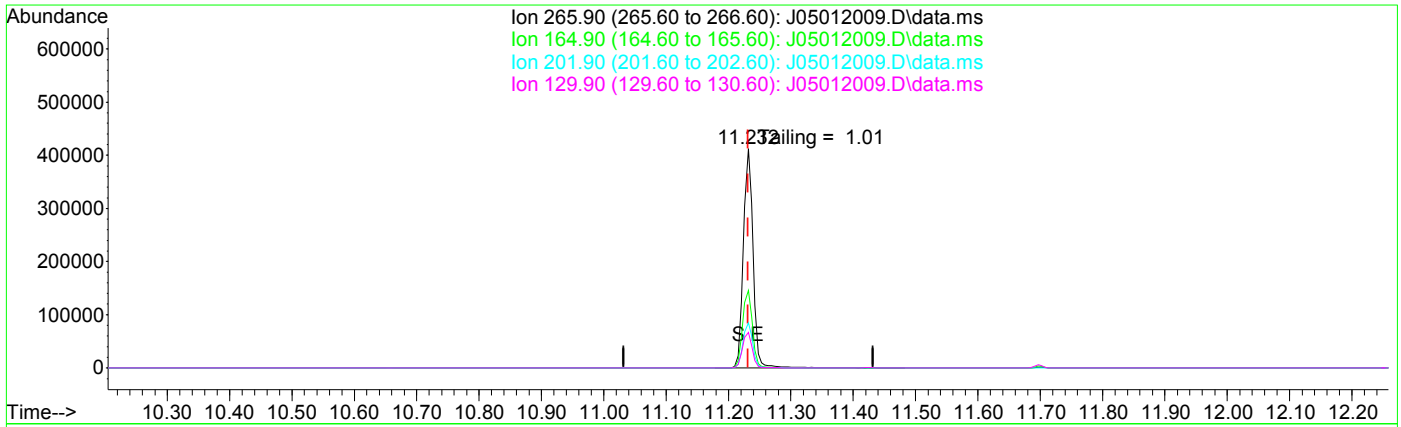
AutoFind: Scans 1534, 1535, 1536; Background Corrected with Scan 1530

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	1306	PASS
69	198	0.01	100	25.8	86827	PASS
70	69	0.00	2	0.5	421	PASS
197	198	0.00	2	0.1	366	PASS
198	198	100	100	100.0	336363	PASS
199	198	5	9	6.8	22859	PASS
365	198	1	100	4.7	15719	PASS
441	443	0.01	150	75.9	72808	PASS
442	198	0.10	200	144.3	485227	PASS
443	442	15	24	19.8	95901	PASS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012009.D
 Acq On : 1 May 2020 2:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-TUN1
 Misc : 1x, A20D411 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:56:58 2020
 Quant Method : C:\msdchem\1\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon May 04 10:56:48 2020
 Response via : Initial Calibration



TIC: J05012009.D\data.ms

(4) Pentachlorophenol

11.232min (0.000) 51.09 ug/mL

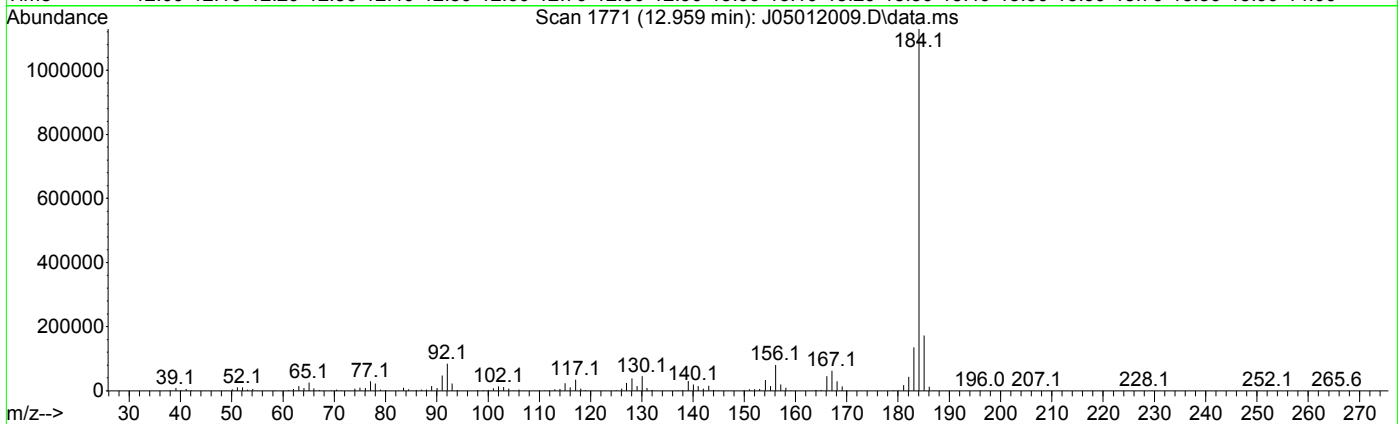
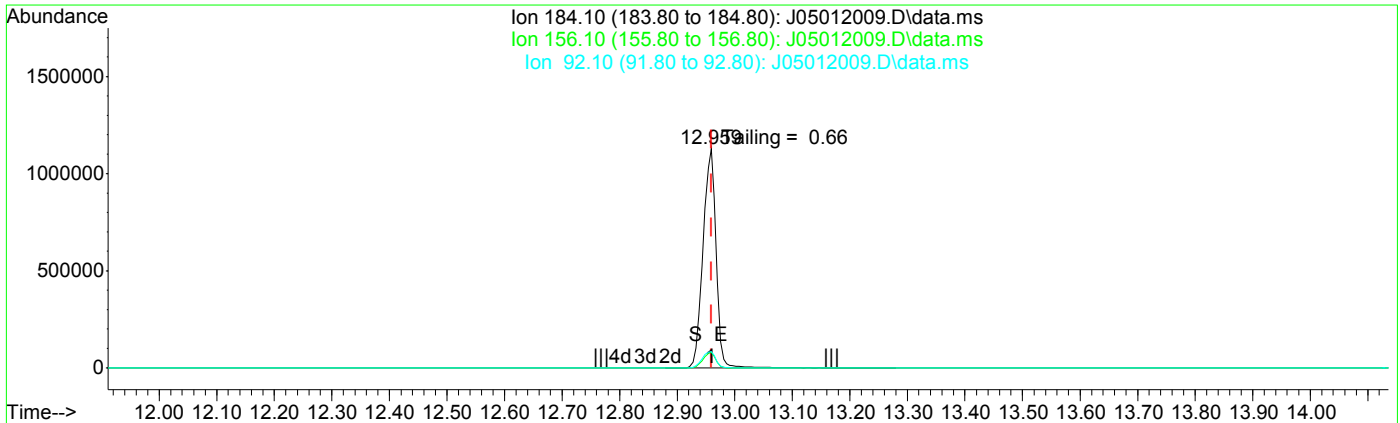
response 427848

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	35.28
201.90	25.80	20.61
129.90	27.30	16.21

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012009.D
 Acq On : 1 May 2020 2:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-TUN1
 Misc : 1x, A20D411 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:56:58 2020
 Quant Method : C:\msdchem\1\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon May 04 10:56:48 2020
 Response via : Initial Calibration



TIC: J05012009.D\data.ms

(7) Benzidine

12.959min (0.000) 31.16 ug/mL

response 1772639

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.17
92.10	8.20	7.52
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:

0E01048-TUN1
SV-GCMS10

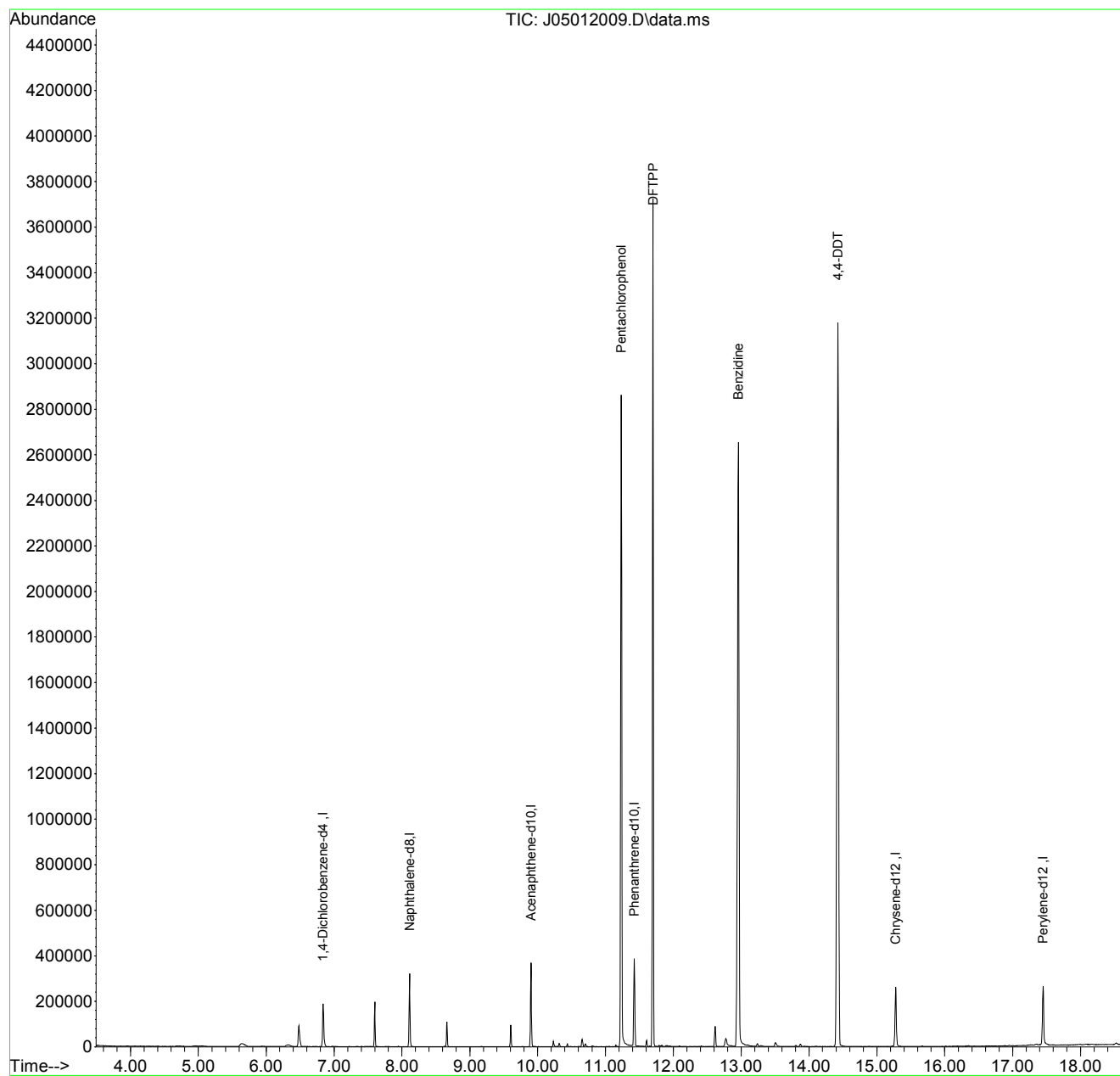
First Column Area Counts	Percent Breakdown		
DDE	15271		
DDD	7055		
DDT	5137621	0.43	PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
Data File : J05012009.D
Acq On : 1 May 2020 2:11 pm
Operator : JK/ AMS/ DTH
Sample : 0E01048-TUN1
Misc : 1x, A20D411 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 04 10:56:58 2020
Quant Method : C:\msdchem\1\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon May 04 10:56:48 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012010.D
 Acq On : 1 May 2020 2:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:00:11 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) 1,4-Dichlorobenzene-d4...	6.808	152	179871	2000.00	ng/ml	0.00	
21) Naphthalene-d8 (ISTD)	8.081	136	675350	2000.00	ng/ml	0.00	
35) Acenaphthene-d10 (ISTD)	9.868	162	321385	2000.00	ng/ml	0.00	
64) Phenanthrene-d10 (ISTD)	11.392	188	563779	2000.00	ng/ml	0.00	
78) Chrysene-d12 (ISTD)	15.404	240	533766	2000.00	ng/ml	0.00	
86) Perylene-d12 (ISTD)	18.934	264	511575	2000.00	ng/ml	0.00	
94) Dibenz(a,h)Anthrcene-d...	21.330	292	407232	2000.00	ng/ml	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (Surr)	0.000	112	0	0.00	ng/ml		
5) Phenol-d6(Surr)	0.000	99	0	0.00	ng/ml		
19) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml		
40) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
67) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml		
79) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml		
Target Compounds							
2) N-Nitrosodimethylamine	0.000		0	N.D.			Qvalue
3) Pyridine	0.000		0	N.D.			
6) Phenol	6.477	94	75	N.D.			
7) Aniline	0.000		0	N.D.			
8) Bis(2-chloroethyl) ether	0.000		0	N.D.			
9) 2-Chlorophenol	0.000		0	N.D.			
10) 1,3-Dichlorobenzene	0.000		0	N.D.			
11) 1,4-Dichlorobenzene	0.000		0	N.D.			
12) Benzyl alcohol	6.969	108	62	22.23	ng/ml	78	
13) 1,2-Dichlorobenzene	0.000		0	N.D.			
14) 2-Methylphenol	0.000		0	N.D.			
15) 2,2'-Oxybis(1-Chloropr...	0.000		0	N.D.			
16) N-Nitrosodi-n-propylamine	0.000		0	N.D.			
17) 3+4-Methylphenol	0.000		0	N.D.			
18) Hexachloroethane	0.000		0	N.D.			
20) Nitrobenzene	0.000		0	N.D.			
22) Isophorone	0.000		0	N.D.			
23) 2-Nitrophenol	0.000		0	N.D.			
24) 2,4-Dimethylphenol	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012010.D
 Acq On : 1 May 2020 2:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 11:00:11 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	7.921	105	345	850.97	ng/ml#	42
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	0.000		0	N.D.		
30) 4-Chloroaniline	0.000		0	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	0.000		0	N.D.		
34) 1-Methylnaphthalene	0.000		0	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	0.000		0	N.D.		
41) 2-Chloronaphthalene	0.000		0	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.574	163	60	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	0.000		0	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	0.000		0	N.D.		
50) 3-Nitroaniline	9.873	138	80	20.21	ng/ml#	1
51) Acenaphthene	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	0.000		0	N.D.		
55) Dibenzofuran	0.000		0	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	0.000		0	N.D.		
59) 2,3,5-Trimethylnaphtha...	10.397	170	65	N.D.		
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012010.D
 Acq On : 1 May 2020 2:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 11:00:11 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

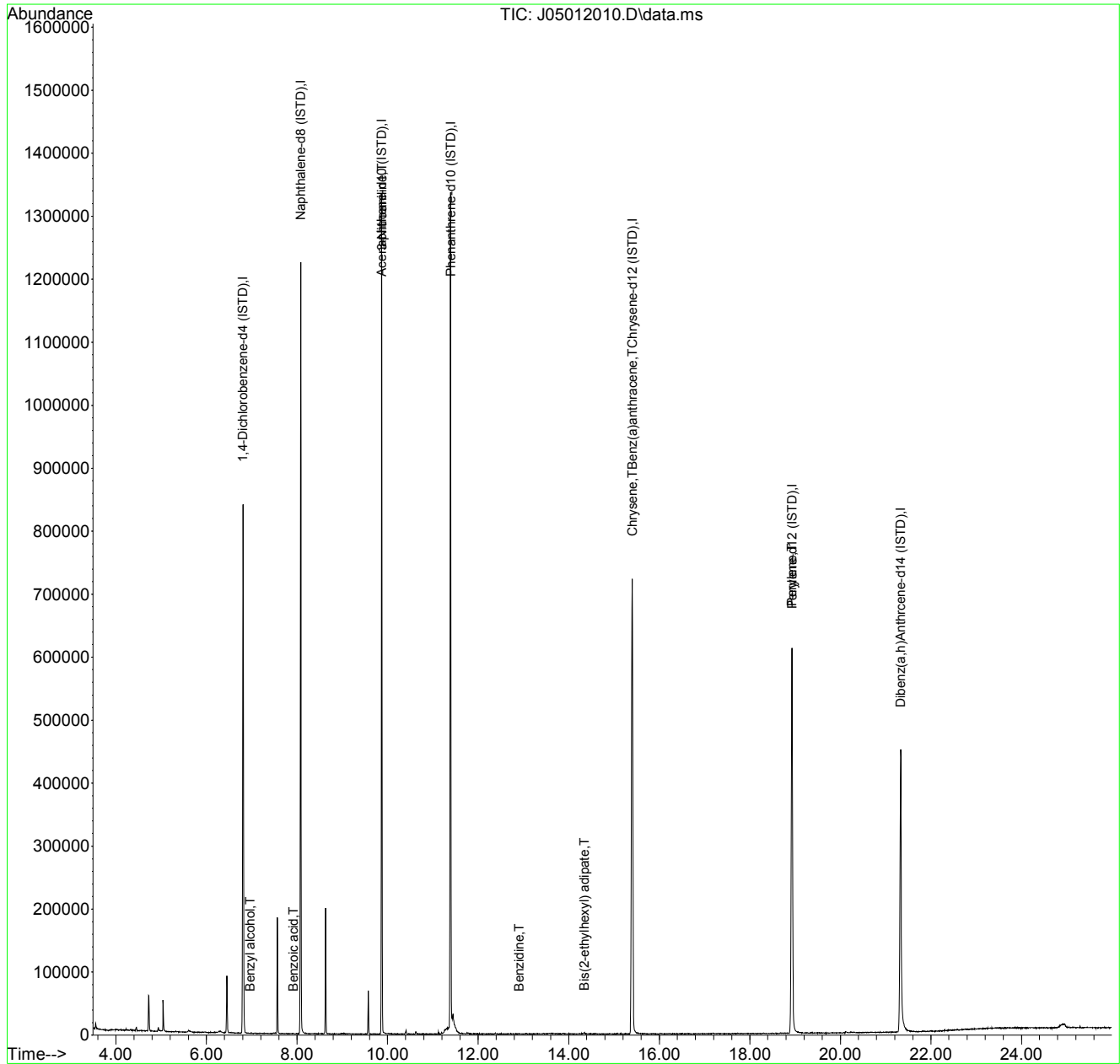
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.		
66) Azobenzene (1,2-DPH)	0.000		0	N.D.		
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	0.000		0	N.D.		
71) Phenanthrene	11.392	178	220	N.D.		
72) Anthracene	11.392	178	220	N.D.		
73) Carbazole	11.617	167	52	N.D.		
74) Di-n-butyl phthalate	11.965	149	60	N.D.		
75) Fluoranthene	0.000		0	N.D.		
76) Benzidine	12.901	184	647	49.93	ng/ml	83
77) Pyrene	13.056	202	52	N.D.		
80) Butyl benzyl phthalate	0.000		0	N.D.		
81) Bis(2-ethylhexyl) adipate	14.345	129	649	63.94	ng/ml	90
82) 3,3-Dichlorobenzidine	15.345	252	70	Below Cal	#	27
83) Benz(a)anthracene	15.404	228	1337	4.43	ng/ml	74
84) Chrysene	15.404	228	1319	4.75	ng/ml	71
85) Bis(2-ethylhexyl) phth...	0.000		0	N.D.		
87) Di-n-octyl phthalate	0.000		0	N.D.		
88) Benzo(b)fluoranthene	0.000		0	N.D.		
89) Benzo(k)fluoranthene	0.000		0	N.D.		
90) Benzo(b+k)fluoranthene	0.000		0	N.D.		
91) Benzo(e)pyrene	0.000		0	N.D.		
92) Benzo(a)pyrene	0.000		0	N.D.		
93) Perylene	18.928	252	1783	7.28	ng/ml	75
95) Indeno(1,2,3-cd)pyrene	21.330	276	310	N.D.		
96) Dibenz(a,h)anthracene	21.325	278	100	N.D.		
97) 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 : C:\msdchem\1\data\2020-05\0E01048\
Data File : J05012010.D
Acq On : 1 May 2020 2:39 pm
Operator : JK/ AMS/ DTH
Sample : 0E01048-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 04 11:00:11 2020
Quant Method : C:\msdchem\1\methods\SV10_050120.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon May 04 10:59:59 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012010.D
 Acq On : 1 May 2020 2:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 05 14:50:44 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

Final Requant

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	179871	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	675350	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.868	162	321385	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	563779	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.404	240	533766	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.934	264	511575	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.330	292	407232	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	0.000	112	0	0.00	ng/ml	
5) Phenol-d6(Surr)	0.000	99	0	0.00	ng/ml	
19) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml	
40) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml	
67) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/ml	
79) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml	
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		Qvalue
3) Pyridine	0.000		0	N.D.		
6) Phenol	6.477	94	75	N.D.		
7) Aniline	0.000		0	N.D.		
8) Bis(2-chloroethyl) ether	0.000		0	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	6.969	108	62	9.58	ng/ml	78
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	0.000		0	N.D.		
16) N-Nitrosodi-n-propylamine	0.000		0	N.D.		
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
22) Isophorone	0.000		0	N.D.		
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012010.D
 Acq On : 1 May 2020 2:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 05 14:50:44 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	7.921	105	345	736.85	ng/ml#	42
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	0.000		0	N.D.		
30) 4-Chloroaniline	0.000		0	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	0.000		0	N.D.		
34) 1-Methylnaphthalene	0.000		0	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	0.000		0	N.D.		
41) 2-Chloronaphthalene	0.000		0	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.574	163	60	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	0.000		0	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	0.000		0	N.D.		
50) 3-Nitroaniline	9.873	138	80	26.35	ng/ml#	1
51) Acenaphthene	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	0.000		0	N.D.		
55) Dibenzofuran	0.000		0	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	0.000		0	N.D.		
59) 2,3,5-Trimethylnaphtha...	10.397	170	65	N.D.		
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012010.D
 Acq On : 1 May 2020 2:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 05 14:50:44 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

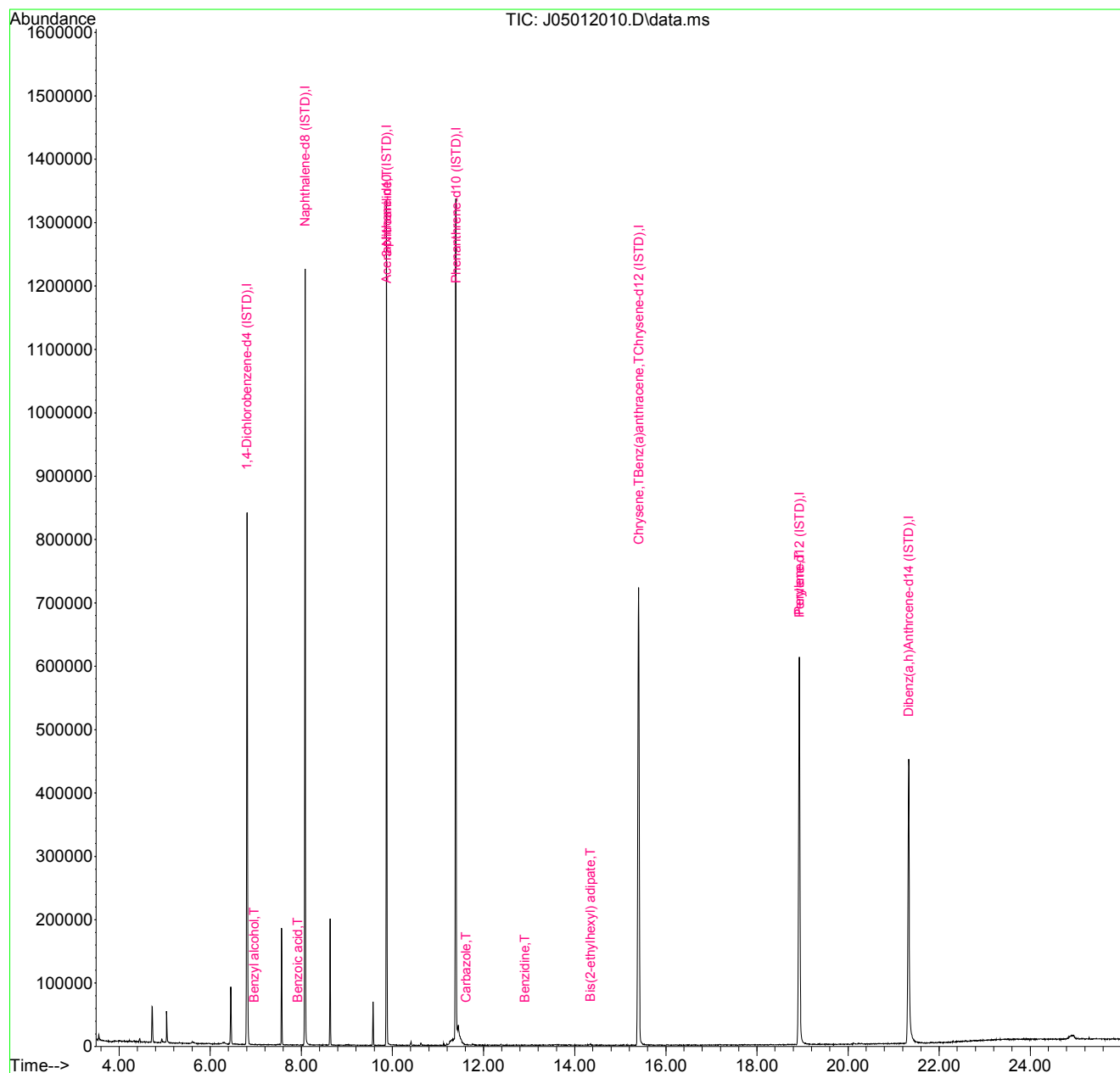
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.		
66) Azobenzene (1,2-DPH)	0.000		0	N.D.		
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	0.000		0	N.D.		
71) Phenanthrene	11.392	178	220	N.D.		
72) Anthracene	11.392	178	220	N.D.		
73) Carbazole	11.617	167	52	6.60	ng/ml	61
74) Di-n-butyl phthalate	11.965	149	60	N.D.		
75) Fluoranthene	0.000		0	N.D.		
76) Benzidine	12.901	184	647	139.95	ng/ml	83
77) Pyrene	13.056	202	52	N.D.		
80) Butyl benzyl phthalate	0.000		0	N.D.		
81) Bis(2-ethylhexyl) adipate	14.345	129	649	6.27	ng/ml	90
82) 3,3-Dichlorobenzidine	15.345	252	70	Below Cal	#	27
83) Benz(a)anthracene	15.404	228	1337	4.42	ng/ml	74
84) Chrysene	15.404	228	1319	4.63	ng/ml	71
85) Bis(2-ethylhexyl) phth...	0.000		0	N.D.		
87) Di-n-octyl phthalate	0.000		0	N.D.		
88) Benzo(b)fluoranthene	0.000		0	N.D.		
89) Benzo(k)fluoranthene	0.000		0	N.D.		
90) Benzo(b+k)fluoranthene	0.000		0	N.D.		
91) Benzo(e)pyrene	0.000		0	N.D.		
92) Benzo(a)pyrene	0.000		0	N.D.		
93) Perylene	18.928	252	1783	7.23	ng/ml	75
95) Indeno(1,2,3-cd)pyrene	21.330	276	310	N.D.		
96) Dibenz(a,h)anthracene	21.325	278	100	N.D.		
97) 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 : C:\msdchem\1\data\2020-05\0E01048\
Data File : J05012010.D
Acq On : 1 May 2020 2:39 pm
Operator : JK/ AMS/ DTH
Sample : 0E01048-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 05 14:50:44 2020
Quant Method : C:\msdchem\1\methods\SV10_050120.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon May 04 11:17:09 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:01:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	191864	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	731955	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.868	162	357685	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	601725	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.404	240	644210	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.934	264	635623	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.335	292	508993	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.530	112	1953	16.87	ng/ml	0.00
5) Phenol-d6(Surr)	6.434	99	2369	17.49	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.354	82	1932	19.06	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.167	172	5848	21.92	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.670	330	445	41.30	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.275	244	4927	16.48	ng/ml	0.00
Target Compounds						
2) N-Nitrosodimethylamine	4.161	74	1056	14.57	ng/ml	78
3) Pyridine	0.000		0	N.D.		See MI
6) Phenol	6.445	94	2710	18.68	ng/ml	92
7) Aniline	6.482	93	2400	Below Cal		97
8) Bis(2-chloroethyl) ether	6.535	93	2449	17.27	ng/ml	93
9) 2-Chlorophenol	6.600	128	2275	18.17	ng/ml	99
10) 1,3-Dichlorobenzene	6.755	146	3441	22.56	ng/ml	77
11) 1,4-Dichlorobenzene	6.824	146	3170	20.98	ng/ml	94
12) Benzyl alcohol	6.942	108	888	32.43	ng/ml	83
13) 1,2-Dichlorobenzene	6.979	146	2766	18.72	ng/ml	84
14) 2-Methylphenol	7.038	107	1790	19.37	ng/ml#	73
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	1973	20.41	ng/ml	94
16) N-Nitrosodi-n-propylamine	7.199	70	1290	18.23	ng/ml	88
17) 3+4-Methylphenol	7.188	107	1938	17.31	ng/ml	85
18) Hexachloroethane	7.322	201	928	18.85	ng/ml	93
20) Nitrobenzene	7.370	77	1961	19.61	ng/ml	79
22) Isophorone	7.611	82	3772	18.13	ng/ml	96
23) 2-Nitrophenol	7.696	139	743	42.71	ng/ml	64
24) 2,4-Dimethylphenol	7.723	122	1501	14.95	ng/ml	89

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 11:01:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.814	93	2531	18.65	ng/ml	87
26) Benzoic acid	7.915	105	423	851.80	ng/ml#	50
27) 2,4-Dichlorophenol	7.931	162	1526	41.09	ng/ml	84
28) 1,2,4-Trichlorobenzene	8.022	180	2793	22.09	ng/ml	90
29) Naphthalene	8.103	128	8211	21.64	ng/ml	99
30) 4-Chloroaniline	8.145	127	1892	25.33	ng/ml	79
31) Hexachlorobutadiene	8.231	225	1579	22.22	ng/ml	95
32) 4-Chloro-3-methylphenol	8.627	107	1075	37.23	ng/ml	76
33) 2-Methylnaphthalene	8.803	142	4968	18.77	ng/ml	95
34) 1-Methylnaphthalene	8.905	142	5104	20.54	ng/ml	96
36) Hexachlorocyclopentadiene	8.969	237	1207	30.19	ng/ml	96
37) 2,4,6-Trichlorophenol	9.087	196	759	41.44	ng/ml	96
38) 2,4,5-Trichlorophenol	9.124	198	819	41.67	ng/ml	76
39) 1,1'-Biphenyl	9.274	154	6111	21.19	ng/ml	95
41) 2-Chloronaphthalene	9.295	162	4995	22.58	ng/ml	95
42) 2-Nitroaniline	9.386	138	581	9.11	ng/ml	77
43) 2,6-Dimethylnaphthalene	9.434	156	4365	20.79	ng/ml	98
44) 1,4-Dinitrobenzene	9.515	168	221	72.55	ng/ml	77
45) Dimethyl phthalate	9.568	163	4603	18.65	ng/ml	90
46) 1,3-Dinitrobenzene	9.606	168	296	67.90	ng/ml	87
47) 2,6-Dinitrotoluene	9.632	165	551	37.44	ng/ml	92
48) 1,2-Dinitrobenzene	9.691	168	228	9.07	ng/ml#	17
49) Acenaphthylene	9.723	152	6575	19.15	ng/ml	97
50) 3-Nitroaniline	9.809	138	409	26.39	ng/ml#	60
51) Acenaphthene	9.900	153	4764	20.54	ng/ml	99
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.969	139	183	82.67	ng/ml#	42
54) 2,4-Dinitrotoluene	10.039	165	603	65.62	ng/ml	79
55) Dibenzofuran	10.076	168	6693	21.24	ng/ml	96
56) 2,3,5,6-Tetrachlorophenol	10.162	232	293	44.70	ng/ml	87
57) 2,3,4,6-Tetrachlorophenol	10.205	232	383	39.94	ng/ml#	50
58) Diethyl phthalate	10.285	149	4954	21.16	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.285	170	3993	20.73	ng/ml	93
60) Fluorene	10.424	166	4850	19.70	ng/ml	93
61) 4-Chlorophenyl phenyl ...	10.419	204	2587	21.24	ng/ml	93
62) 4-Nitroaniline	10.429	138	433	9.75	ng/ml	73
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 11:01:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

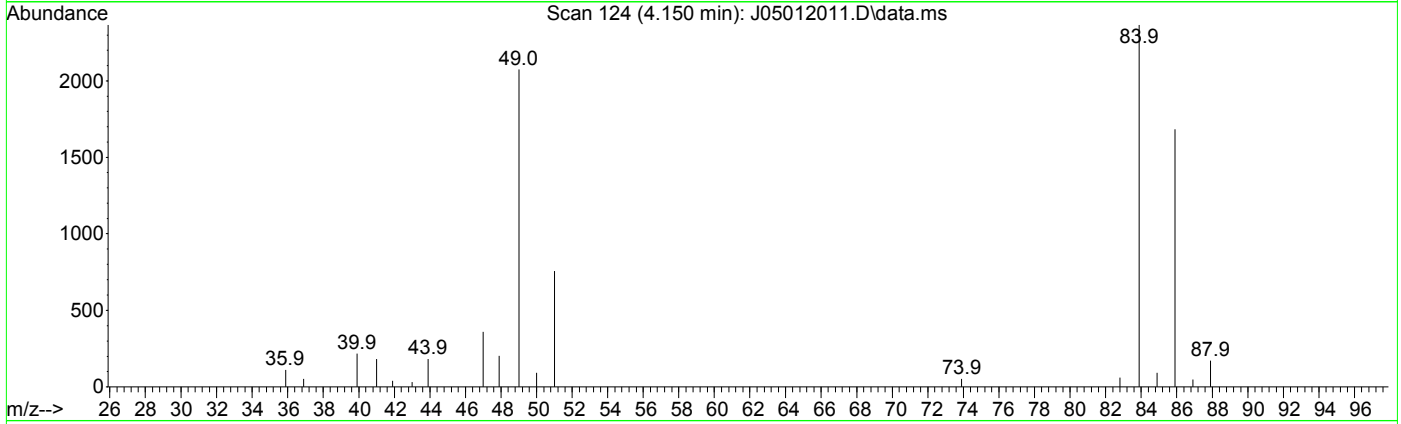
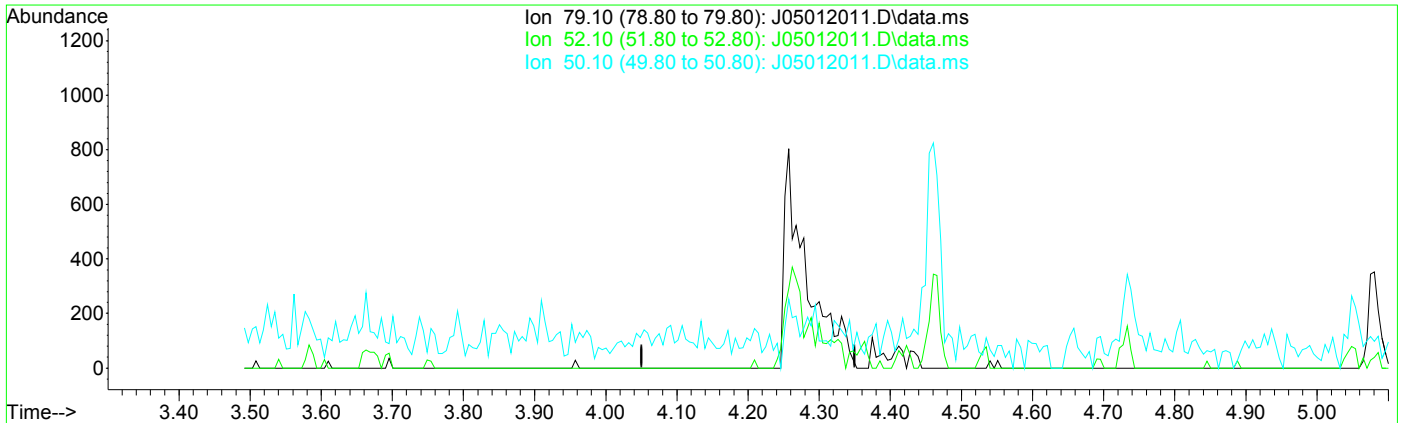
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.531	169	3338	18.50	ng/ml	91
66) Azobenzene (1,2-DPH)	10.579	77	3045	17.98	ng/ml	91
68) 4-Bromophenyl phenyl e...	10.921	248	1403	19.90	ng/ml	91
69) Hexachlorobenzene	11.002	284	2025	23.06	ng/ml	99
70) Pentachlorophenol (PCP)	11.194	266	102	79.88	ng/ml	80
71) Phenanthrene	11.413	178	7531	22.73	ng/ml	98
72) Anthracene	11.462	178	6216	19.14	ng/ml	92
73) Carbazole	11.622	167	4414	16.68	ng/ml	90
74) Di-n-butyl phthalate	11.964	149	5086	14.64	ng/ml	97
75) Fluoranthene	12.740	202	5907	17.01	ng/ml	97
76) Benzidine	12.900	184	1586	64.17	ng/ml	84
77) Pyrene	13.055	202	6308	17.62	ng/ml	93
80) Butyl benzyl phthalate	14.157	149	1032	65.71	ng/ml	93
81) Bis(2-ethylhexyl) adipate	14.344	129	1334	67.92	ng/ml	92
82) 3,3-Dichlorobenzidine	15.339	252	2441	Below Cal		88
83) Benz(a)anthracene	15.382	228	7626	20.94	ng/ml	83
84) Chrysene	15.457	228	6450	19.24	ng/ml	98
85) Bis(2-ethylhexyl) phth...	15.543	149	1621	7.75	ng/ml	95
87) Di-n-octyl phthalate	17.222	149	1651	71.36	ng/ml	85
88) Benzo(b)fluoranthene	18.003	252	4506	23.47	ng/ml	94
89) Benzo(k)fluoranthene	18.067	252	4338	22.20	ng/ml	90
90) Benzo(b+k)fluoranthene	18.003	252	9446	45.72	ng/ml	92
91) Benzo(e)pyrene	18.661	252	4525	22.09	ng/ml	92
92) Benzo(a)pyrene	18.784	252	3486	24.53	ng/ml	92
93) Perylene	18.992	252	5620	18.48	ng/ml	97
95) Indeno(1,2,3-cd)pyrene	21.330	276	5874	19.49	ng/ml	51
96) Dibenz(a,h)anthracene	21.399	278	5072	18.83	ng/ml	97
97) Benzo(g,h,i)perylene	21.875	276	3952	21.66	ng/ml	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 11:01:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



TIC: J05012011.D\data.ms

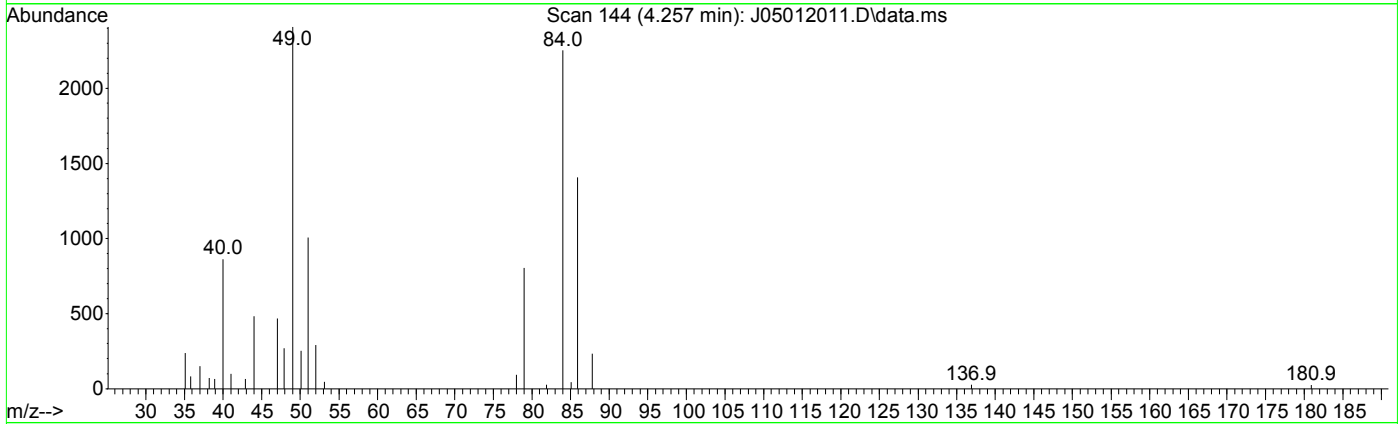
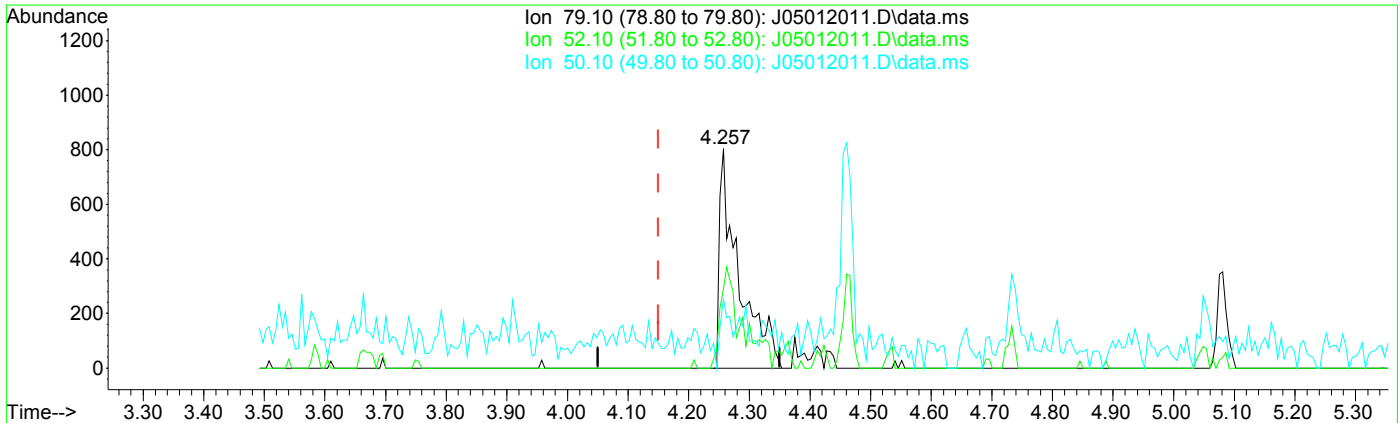
Ion	Exp%	Act%
79.10	100.00	0.00
52.10	46.80	0.00#
50.10	15.90	0.00
0.00	0.00	0.00

(3) Pyridine (TG)
 4.150min (-4.150) 0.00 ng/ml
 response 0

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 11:01:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



(3) Pyridine (TG)

4.257min (+ 0.107) 24.29 ng/ml m

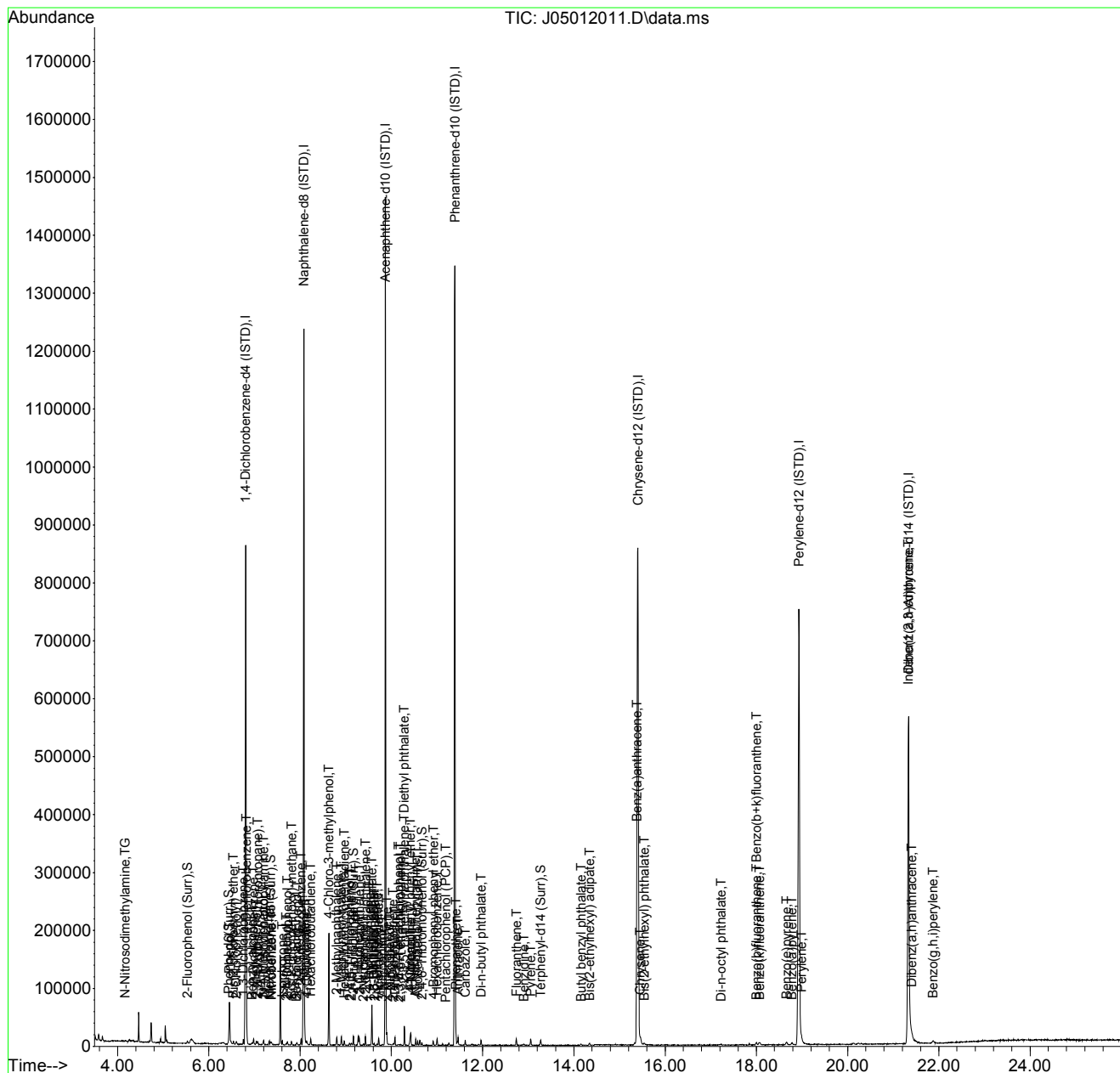
response 1772

Ion	Exp%	Act%
79.10	100.00	100.00
52.10	46.80	36.19
50.10	15.90	31.34
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012011.D
 Acq On : 1 May 2020 3:16 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL1
 Misc : 1x, A20D243@20
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 04 11:01:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012012.D
 Acq On : 1 May 2020 3:53 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL2
 Misc : 1x, A20D244@50
 ALS Vial : 4 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:03:04 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	197701	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	717228	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.868	162	341194	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	575287	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.409	240	614670	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.934	264	623785	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.335	292	506876	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.535	112	5510	46.19	ng/ml	0.01
5) Phenol-d6(Surr)	6.434	99	6261	44.85	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.354	82	4906	46.97	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.167	172	14529	57.10	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.670	330	1336	66.61	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.275	244	13754	48.21	ng/ml	0.00
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	4.155	74	3161	42.32	ng/ml	90
3) Pyridine	4.230	79	4118	43.40	ng/ml	89
6) Phenol	6.445	94	5865	39.24	ng/ml	96
7) Aniline	6.487	93	6810	43.06	ng/ml	99
8) Bis(2-chloroethyl) ether	6.536	93	6507	44.53	ng/ml	88
9) 2-Chlorophenol	6.605	128	6059	46.95	ng/ml	93
10) 1,3-Dichlorobenzene	6.755	146	8367	53.24	ng/ml	98
11) 1,4-Dichlorobenzene	6.824	146	8455	54.29	ng/ml	97
12) Benzyl alcohol	6.942	108	2430	50.68	ng/ml	92
13) 1,2-Dichlorobenzene	6.980	146	7982	52.42	ng/ml	96
14) 2-Methylphenol	7.044	107	4132	43.39	ng/ml	97
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	5484	55.05	ng/ml	99
16) N-Nitrosodi-n-propylamine	7.199	70	3408	46.73	ng/ml	89
17) 3+4-Methylphenol	7.193	107	5177	44.87	ng/ml	90
18) Hexachloroethane	7.322	201	2852	56.22	ng/ml	86
20) Nitrobenzene	7.370	77	5092	49.42	ng/ml	97
22) Isophorone	7.605	82	9735	47.75	ng/ml	98
23) 2-Nitrophenol	7.696	139	1960	63.75	ng/ml	91
24) 2,4-Dimethylphenol	7.723	122	4417	44.91	ng/ml	94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012012.D
 Acq On : 1 May 2020 3:53 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL2
 Misc : 1x, A20D244@50
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 04 11:03:04 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.814	93	6717	50.52	ng/ml	99
26) Benzoic acid	7.728	105	180	847.74	ng/ml#	1
27) 2,4-Dichlorophenol	7.932	162	4099	66.25	ng/ml	94
28) 1,2,4-Trichlorobenzene	8.023	180	6705	54.11	ng/ml	95
29) Naphthalene	8.103	128	21366	57.46	ng/ml	97
30) 4-Chloroaniline	8.146	127	5581	59.31	ng/ml	92
31) Hexachlorobutadiene	8.231	225	4330	62.18	ng/ml	94
32) 4-Chloro-3-methylphenol	8.627	107	3304	61.39	ng/ml	96
33) 2-Methylnaphthalene	8.803	142	13555	52.26	ng/ml	99
34) 1-Methylnaphthalene	8.905	142	12870	52.86	ng/ml	96
36) Hexachlorocyclopentadiene	8.969	237	3097	64.68	ng/ml	97
37) 2,4,6-Trichlorophenol	9.087	196	2246	63.92	ng/ml	96
38) 2,4,5-Trichlorophenol	9.119	198	2298	63.46	ng/ml	92
39) 1,1'-Biphenyl	9.274	154	15507	56.38	ng/ml	96
41) 2-Chloronaphthalene	9.295	162	11987	56.80	ng/ml	96
42) 2-Nitroaniline	9.392	138	1497	24.61	ng/ml#	60
43) 2,6-Dimethylnaphthalene	9.435	156	11180	55.82	ng/ml	96
44) 1,4-Dinitrobenzene	9.515	168	660	87.83	ng/ml#	51
45) Dimethyl phthalate	9.568	163	12248	52.02	ng/ml	97
46) 1,3-Dinitrobenzene	9.595	168	893	84.32	ng/ml	94
47) 2,6-Dinitrotoluene	9.632	165	1733	59.50	ng/ml	84
48) 1,2-Dinitrobenzene	9.686	168	779	32.48	ng/ml#	58
49) Acenaphthylene	9.723	152	17439	53.26	ng/ml	99
50) 3-Nitroaniline	9.809	138	1541	49.78	ng/ml	97
51) Acenaphthene	9.900	153	12562	56.78	ng/ml	96
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.964	139	426	89.08	ng/ml	87
54) 2,4-Dinitrotoluene	10.044	165	1933	85.20	ng/ml	92
55) Dibenzofuran	10.076	168	15584	51.84	ng/ml	90
56) 2,3,5,6-Tetrachlorophenol	10.157	232	1097	61.18	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	10.199	232	1453	59.71	ng/ml	97
58) Diethyl phthalate	10.285	149	12841	57.51	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.285	170	9734	52.99	ng/ml	95
60) Fluorene	10.424	166	11179	47.61	ng/ml	92
61) 4-Chlorophenyl phenyl ...	10.419	204	6122	52.70	ng/ml	99
62) 4-Nitroaniline	10.429	138	1234	29.14	ng/ml	70
63) 4,6-Dinitro-2-methylph...	10.461	198	137	148.38	ng/ml	67

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012012.D
 Acq On : 1 May 2020 3:53 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL2
 Misc : 1x, A20D244@50
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 04 11:03:04 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

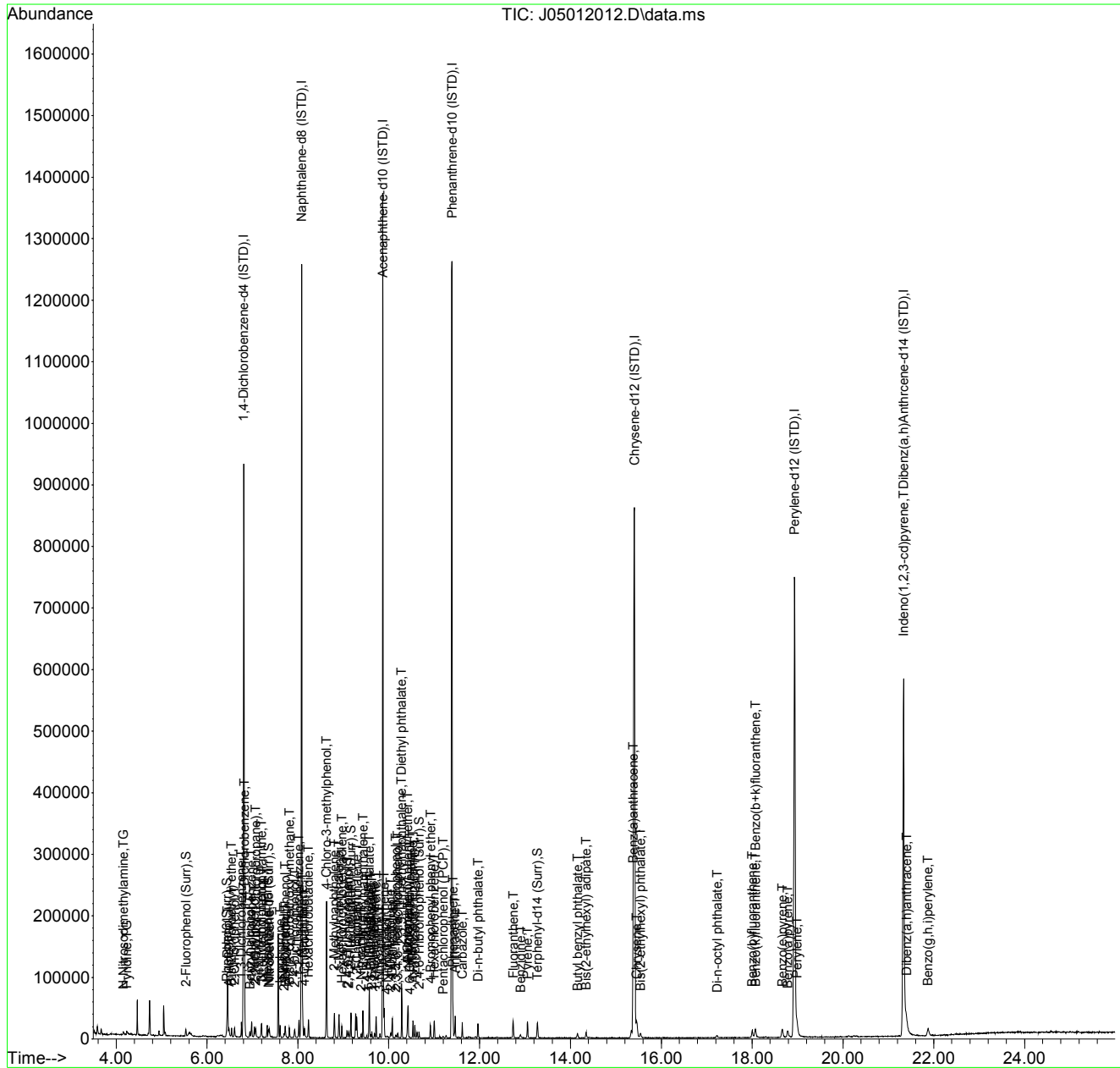
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.531	169	8596	49.83	ng/ml	91
66) Azobenzene (1,2-DPH)	10.579	77	8356	51.60	ng/ml	95
68) 4-Bromophenyl phenyl e...	10.921	248	3567	52.93	ng/ml	88
69) Hexachlorobenzene	11.002	284	5084	60.56	ng/ml	97
70) Pentachlorophenol (PCP)	11.200	266	552	92.72	ng/ml#	37
71) Phenanthrene	11.414	178	17339	54.73	ng/ml	98
72) Anthracene	11.462	178	15713	50.61	ng/ml	97
73) Carbazole	11.622	167	12342	48.80	ng/ml	97
74) Di-n-butyl phthalate	11.964	149	13365	40.23	ng/ml	97
75) Fluoranthene	12.740	202	15666	47.18	ng/ml	96
76) Benzidine	12.900	184	3900	103.87	ng/ml	94
77) Pyrene	13.056	202	16274	47.54	ng/ml	95
80) Butyl benzyl phthalate	14.157	149	3054	79.33	ng/ml	87
81) Bis(2-ethylhexyl) adipate	14.345	129	3128	81.95	ng/ml	92
82) 3,3-Dichlorobenzidine	15.345	252	6397	Below Cal		95
83) Benz(a)anthracene	15.382	228	16598	47.76	ng/ml	97
84) Chrysene	15.462	228	16614	51.93	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.543	149	3824	19.17	ng/ml	95
87) Di-n-octyl phthalate	17.227	149	4377	78.55	ng/ml	95
88) Benzo(b)fluoranthene	18.008	252	11950	45.98	ng/ml	90
89) Benzo(k)fluoranthene	18.073	252	11834	43.65	ng/ml	93
90) Benzo(b+k)fluoranthene	18.073	252	25594	91.71	ng/ml	93
91) Benzo(e)pyrene	18.666	252	12046	45.13	ng/ml	93
92) Benzo(a)pyrene	18.789	252	9823	47.20	ng/ml	92
93) Perylene	18.993	252	14498	48.57	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.335	276	14434	48.10	ng/ml	94
96) Dibenz(a,h)anthracene	21.405	278	12714	47.39	ng/ml	90
97) Benzo(g,h,i)perylene	21.875	276	11357	46.01	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012012.D
 Acq On : 1 May 2020 3:53 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL2
 Misc : 1x, A20D244@50
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 04 11:03:04 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012013.D
 Acq On : 1 May 2020 6:15 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL3
 Misc : 1x, A20D245@100
 ALS Vial : 5 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:04:06 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.803	152	191183	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	719013	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.868	162	355600	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	645096	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.404	240	665942	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.928	264	641096	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.325	292	525064	2000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.525	112	10683	92.61	ng/ml	0.00
5) Phenol-d6(Surr)	6.429	99	12550	92.96	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.354	82	10384	102.80	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.167	172	31404	118.41	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.676	330	3853	124.83	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.270	244	33303	107.73	ng/ml	0.00
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	4.113	74	6960	96.36	ng/ml	90
3) Pyridine	4.172	79	9290	89.12	ng/ml	97
6) Phenol	6.445	94	12267	84.86	ng/ml	95
7) Aniline	6.477	93	13261	115.38	ng/ml	95
8) Bis(2-chloroethyl) ether	6.536	93	12128	85.83	ng/ml	96
9) 2-Chlorophenol	6.600	128	12387	99.26	ng/ml	94
10) 1,3-Dichlorobenzene	6.755	146	16686	109.79	ng/ml	98
11) 1,4-Dichlorobenzene	6.819	146	16022	106.39	ng/ml	92
12) Benzyl alcohol	6.931	108	5492	89.80	ng/ml	94
13) 1,2-Dichlorobenzene	6.974	146	15557	105.66	ng/ml	97
14) 2-Methylphenol	7.038	107	9064	98.43	ng/ml	96
15) 2,2'-Oxybis(1-Chloropr...	7.065	45	10763	111.73	ng/ml	98
16) N-Nitrosodi-n-propylamine	7.194	70	7313	103.69	ng/ml	93
17) 3+4-Methylphenol	7.188	107	11824	105.98	ng/ml	97
18) Hexachloroethane	7.317	201	5625	114.66	ng/ml	99
20) Nitrobenzene	7.370	77	11151	111.91	ng/ml	90
22) Isophorone	7.605	82	21958	107.44	ng/ml	95
23) 2-Nitrophenol	7.691	139	5456	123.08	ng/ml	93
24) 2,4-Dimethylphenol	7.723	122	9568	97.04	ng/ml	88

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012013.D
 Acq On : 1 May 2020 6:15 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL3
 Misc : 1x, A20D245@100
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 11:04:06 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.814	93	13856	103.95	ng/ml	91
26) Benzoic acid	7.803	105	106	846.45	ng/ml	85
27) 2,4-Dichlorophenol	7.932	162	9523	118.42	ng/ml	96
28) 1,2,4-Trichlorobenzene	8.023	180	13851	111.50	ng/ml	99
29) Naphthalene	8.103	128	41691	111.84	ng/ml	98
30) 4-Chloroaniline	8.146	127	11760	116.18	ng/ml	99
31) Hexachlorobutadiene	8.231	225	8263	118.37	ng/ml	96
32) 4-Chloro-3-methylphenol	8.627	107	7712	108.46	ng/ml	94
33) 2-Methylnaphthalene	8.803	142	28255	108.66	ng/ml	95
34) 1-Methylnaphthalene	8.905	142	27373	112.15	ng/ml	96
36) Hexachlorocyclopentadiene	8.969	237	6851	126.21	ng/ml	97
37) 2,4,6-Trichlorophenol	9.082	196	6196	118.50	ng/ml	96
38) 2,4,5-Trichlorophenol	9.119	198	5978	112.87	ng/ml	95
39) 1,1'-Biphenyl	9.274	154	33925	118.34	ng/ml	96
41) 2-Chloronaphthalene	9.296	162	26139	118.85	ng/ml	98
42) 2-Nitroaniline	9.392	138	4785	75.47	ng/ml	96
43) 2,6-Dimethylnaphthalene	9.435	156	23962	114.78	ng/ml	99
44) 1,4-Dinitrobenzene	9.515	168	1916	127.86	ng/ml	94
45) Dimethyl phthalate	9.568	163	27818	113.35	ng/ml	93
46) 1,3-Dinitrobenzene	9.600	168	2780	132.01	ng/ml	93
47) 2,6-Dinitrotoluene	9.633	165	4956	114.73	ng/ml	98
48) 1,2-Dinitrobenzene	9.691	168	2197	87.91	ng/ml	98
49) Acenaphthylene	9.723	152	38044	111.47	ng/ml	99
50) 3-Nitroaniline	9.809	138	4153	100.08	ng/ml	93
51) Acenaphthene	9.900	153	25073	108.74	ng/ml	96
52) 2,4-Dinitrophenol	9.921	184	186	190.58	ng/ml#	48
53) 4-Nitrophenol	9.964	139	1906	124.83	ng/ml	98
54) 2,4-Dinitrotoluene	10.044	165	4977	126.20	ng/ml	94
55) Dibenzofuran	10.076	168	35418	113.05	ng/ml	98
56) 2,3,5,6-Tetrachlorophenol	10.157	232	3387	104.49	ng/ml	96
57) 2,3,4,6-Tetrachlorophenol	10.199	232	4311	108.43	ng/ml	89
58) Diethyl phthalate	10.290	149	27495	118.14	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	10.285	170	21856	114.15	ng/ml	100
60) Fluorene	10.429	166	27734	113.33	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.419	204	14011	115.72	ng/ml	91
62) 4-Nitroaniline	10.429	138	3272	74.14	ng/ml	85
63) 4,6-Dinitro-2-methylph...	10.462	198	765	174.23	ng/ml	68

See MIP

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012013.D
 Acq On : 1 May 2020 6:15 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL3
 Misc : 1x, A20D245@100
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 11:04:06 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

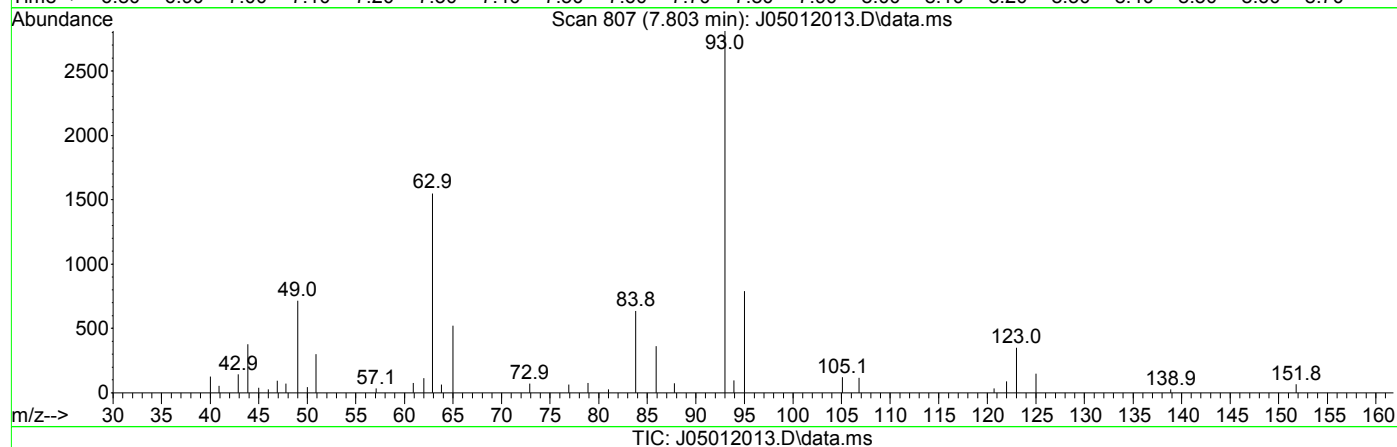
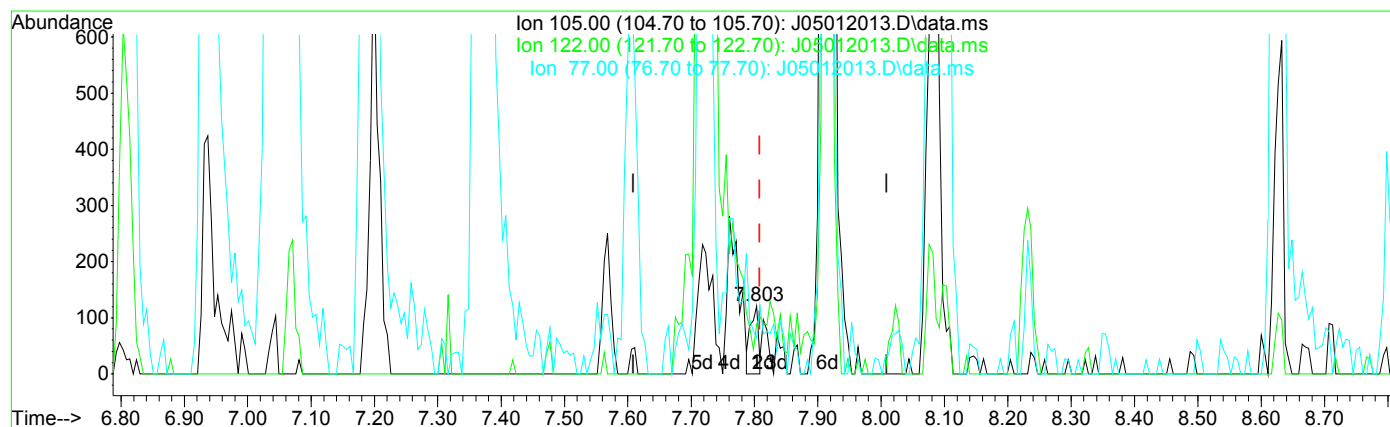
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.536	169	21618	111.75	ng/ml	98
66) Azobenzene (1,2-DPH)	10.579	77	19007	104.66	ng/ml	99
68) 4-Bromophenyl phenyl e...	10.922	248	8166	108.06	ng/ml	94
69) Hexachlorobenzene	11.002	284	11614	123.37	ng/ml	97
70) Pentachlorophenol (PCP)	11.194	266	2358	136.42	ng/ml	95
71) Phenanthrene	11.414	178	39573	111.39	ng/ml	99
72) Anthracene	11.462	178	37735	108.39	ng/ml	98
73) Carbazole	11.622	167	29809	105.10	ng/ml	98
74) Di-n-butyl phthalate	11.965	149	33644	90.31	ng/ml	99
75) Fluoranthene	12.740	202	38512	103.43	ng/ml	96
76) Benzidine	12.901	184	10676	197.83	ng/ml	96
77) Pyrene	13.056	202	40211	104.76	ng/ml	99
80) Butyl benzyl phthalate	14.152	149	8439	110.48	ng/ml	92
81) Bis(2-ethylhexyl) adipate	14.345	129	7943	113.71	ng/ml	88
82) 3,3-Dichlorobenzidine	15.334	252	16151	57.52	ng/ml	94
83) Benz(a)anthracene	15.377	228	36118	95.93	ng/ml	93
84) Chrysene	15.457	228	35070	101.18	ng/ml	98
85) Bis(2-ethylhexyl) phth...	15.543	149	10710	49.56	ng/ml	92
87) Di-n-octyl phthalate	17.222	149	11376	95.99	ng/ml	96
88) Benzo(b)fluoranthene	18.003	252	28427	92.87	ng/ml	96
89) Benzo(k)fluoranthene	18.067	252	29681	91.95	ng/ml	96
90) Benzo(b+k)fluoranthene	18.067	252	61380	187.83	ng/ml	96
91) Benzo(e)pyrene	18.661	252	29328	95.06	ng/ml	99
92) Benzo(a)pyrene	18.784	252	22302	89.22	ng/ml	97
93) Perylene	18.987	252	31802	103.66	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.325	276	29561	95.10	ng/ml	99
96) Dibenz(a,h)anthracene	21.394	278	27359	98.44	ng/ml	93
97) Benzo(g,h,i)perylene	21.870	276	27334	95.33	ng/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012013.D
 Acq On : 1 May 2020 6:15 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL3
 Misc : 1x, A20D245@100
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 11:04:06 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



TIC: J05012013.D\data.ms

(26) Benzoic acid (T)

7.803min (-0.005) 846.45 ng/ml

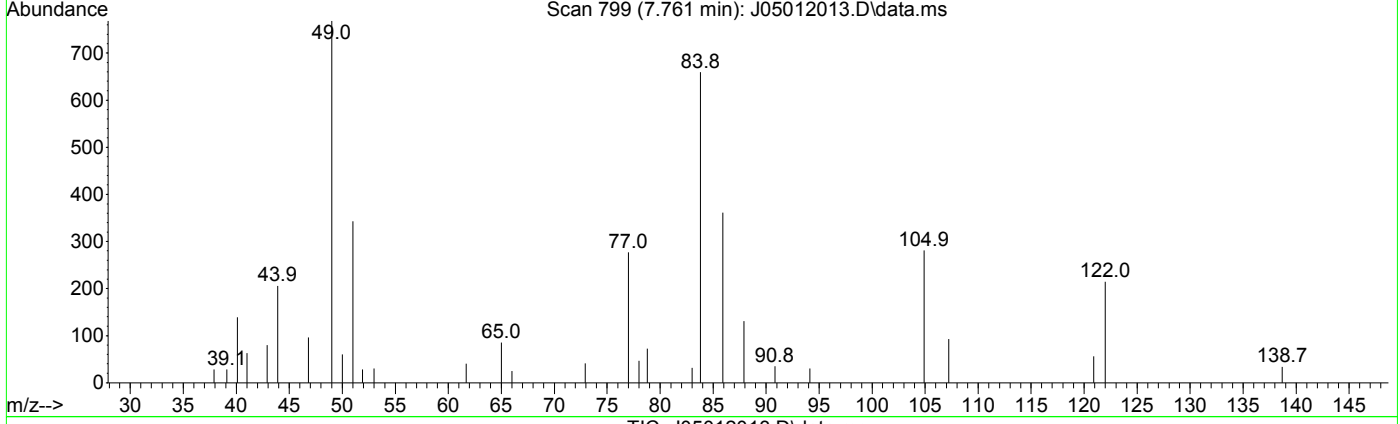
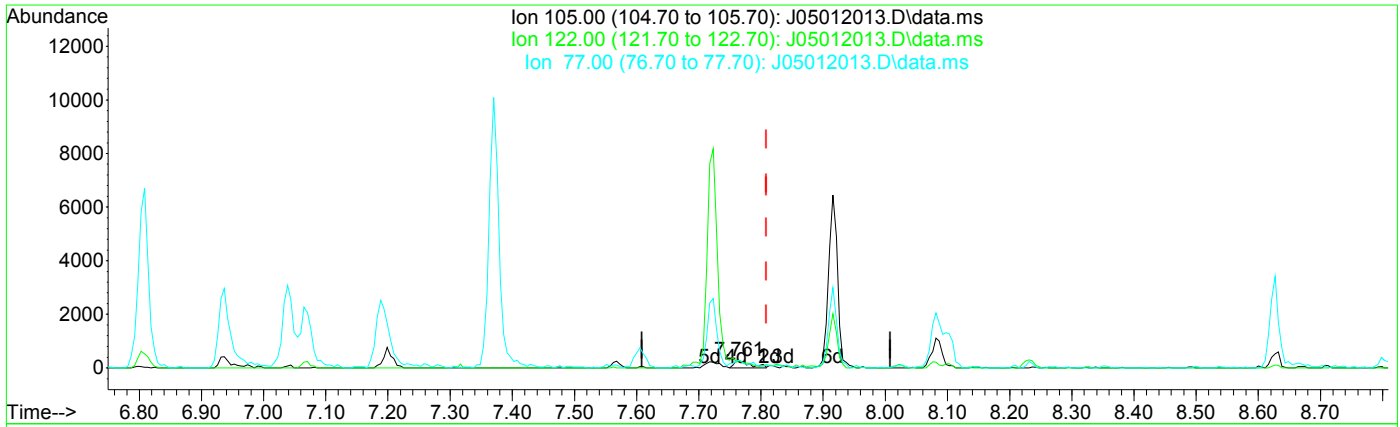
response 106

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	72.73
77.00	61.50	52.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012013.D
 Acq On : 1 May 2020 6:15 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL3
 Misc : 1x, A20D245@100
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 11:04:06 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



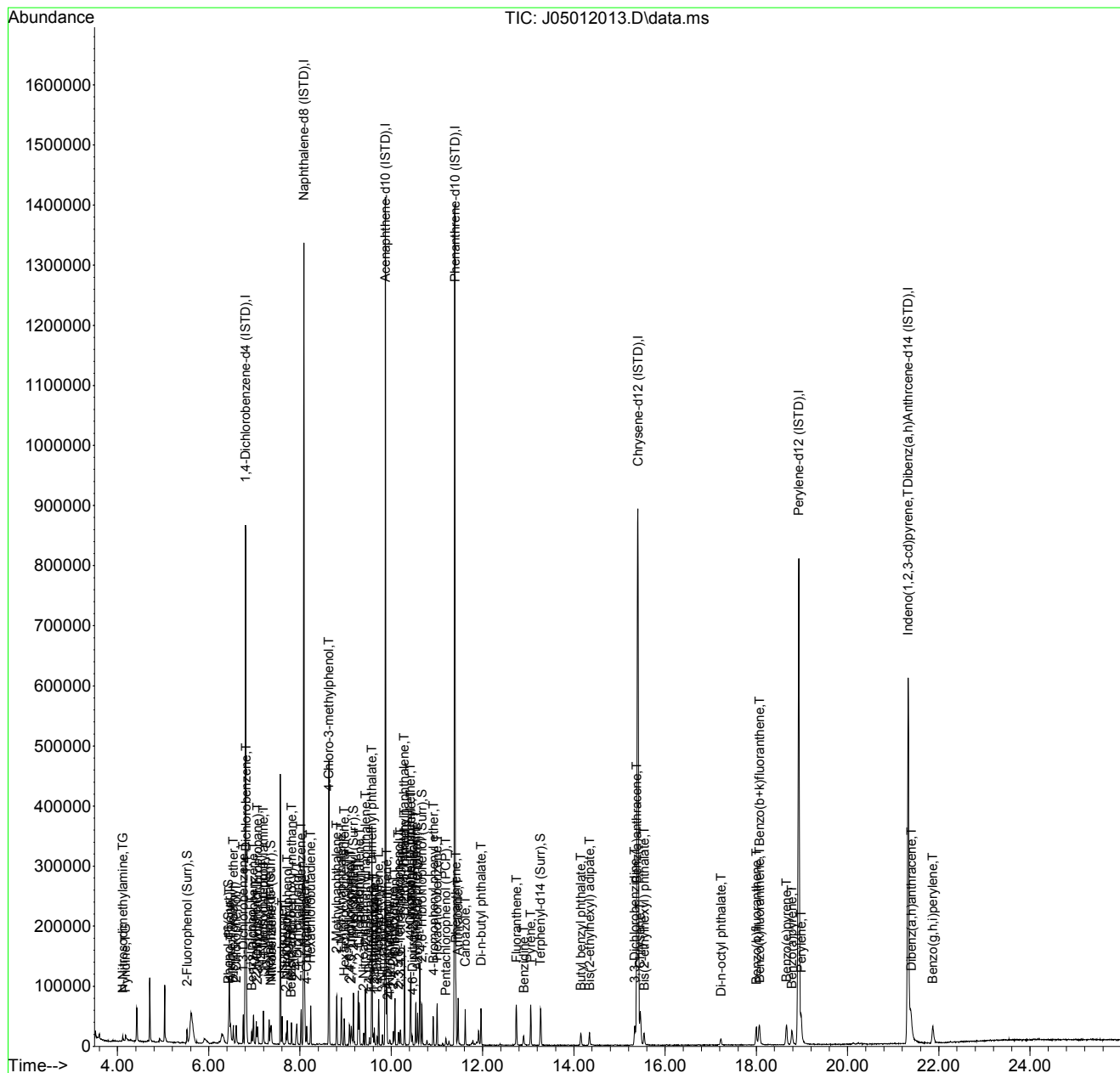
(26) Benzoic acid (T)
 7.761min (-0.048) 852.72 ng/ml m

response	469	
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	76.16
77.00	61.50	98.58#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012013.D
 Acq On : 1 May 2020 6:15 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL3
 Misc : 1x, A20D245@100
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 04 11:04:06 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012014.D
 Acq On : 1 May 2020 6:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL4
 Misc : 1x, A20D246@200
 ALS Vial : 6 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:05:09 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	181235	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	692848	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.868	162	347809	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.387	188	635167	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.398	240	656760	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.934	264	635068	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.330	292	528573	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.525	112	21141	193.32	ng/ml	0.00
5) Phenol-d6(Surr)	6.429	99	26007	203.22	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.348	82	21119	220.55	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.167	172	60557	233.45	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.670	330	8155	233.77	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.269	244	66177	217.07	ng/ml	0.00
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	4.118	74	13019	190.15	ng/ml	93
3) Pyridine	4.166	79	20881	198.57	ng/ml	94
6) Phenol	6.445	94	29567	215.77	ng/ml	93
7) Aniline	6.482	93	27397	285.70	ng/ml	97
8) Bis(2-chloroethyl) ether	6.535	93	24922	186.05	ng/ml	91
9) 2-Chlorophenol	6.600	128	24400	206.26	ng/ml	98
10) 1,3-Dichlorobenzene	6.755	146	30392	210.94	ng/ml	97
11) 1,4-Dichlorobenzene	6.824	146	29528	206.84	ng/ml	99
12) Benzyl alcohol	6.937	108	11440	171.65	ng/ml	81
13) 1,2-Dichlorobenzene	6.979	146	30294	217.04	ng/ml	98
14) 2-Methylphenol	7.038	107	18182	208.27	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	20415	223.55	ng/ml	98
16) N-Nitrosodi-n-propylamine	7.193	70	15112	226.03	ng/ml	96
17) 3+4-Methylphenol	7.188	107	23011	217.57	ng/ml	93
18) Hexachloroethane	7.316	201	10331	222.14	ng/ml	99
20) Nitrobenzene	7.370	77	20957	221.85	ng/ml	98
22) Isophorone	7.605	82	42630	216.46	ng/ml	96
23) 2-Nitrophenol	7.691	139	11238	228.09	ng/ml	94
24) 2,4-Dimethylphenol	7.723	122	20813	219.06	ng/ml	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012014.D
 Acq On : 1 May 2020 6:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL4
 Misc : 1x, A20D246@200
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 04 11:05:09 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.814	93	26612	207.18	ng/ml	97
26) Benzoic acid	7.825	105	208	848.35	ng/ml	92
27) 2,4-Dichlorophenol	7.931	162	19883	225.49	ng/ml	99
28) 1,2,4-Trichlorobenzene	8.022	180	27062	226.07	ng/ml	98
29) Naphthalene	8.103	128	81565	227.06	ng/ml	98
30) 4-Chloroaniline	8.145	127	24483	245.88	ng/ml	95
31) Hexachlorobutadiene	8.231	225	16461	244.71	ng/ml	99
32) 4-Chloro-3-methylphenol	8.627	107	16620	210.33	ng/ml	98
33) 2-Methylnaphthalene	8.798	142	55698	222.28	ng/ml	97
34) 1-Methylnaphthalene	8.900	142	51095	217.24	ng/ml	97
36) Hexachlorocyclopentadiene	8.969	237	13997	252.46	ng/ml	98
37) 2,4,6-Trichlorophenol	9.081	196	12664	214.01	ng/ml	99
38) 2,4,5-Trichlorophenol	9.119	198	12930	212.79	ng/ml	94
39) 1,1'-Biphenyl	9.269	154	64137	228.74	ng/ml	98
41) 2-Chloronaphthalene	9.295	162	50017	232.51	ng/ml	98
42) 2-Nitroaniline	9.392	138	10206	164.59	ng/ml	91
43) 2,6-Dimethylnaphthalene	9.434	156	47338	231.84	ng/ml	98
44) 1,4-Dinitrobenzene	9.520	168	4549	216.60	ng/ml	96
45) Dimethyl phthalate	9.568	163	55476	231.12	ng/ml	99
46) 1,3-Dinitrobenzene	9.600	168	5993	218.24	ng/ml	97
47) 2,6-Dinitrotoluene	9.632	165	10708	219.81	ng/ml	91
48) 1,2-Dinitrobenzene	9.686	168	4556	186.38	ng/ml	76
49) Acenaphthylene	9.723	152	75817	227.13	ng/ml	99
50) 3-Nitroaniline	9.803	138	9251	207.83	ng/ml	92
51) Acenaphthene	9.900	153	50397	223.46	ng/ml	98
52) 2,4-Dinitrophenol	9.910	184	590	227.44	ng/ml	70
53) 4-Nitrophenol	9.964	139	4625	193.69	ng/ml	88
54) 2,4-Dinitrotoluene	10.044	165	11730	223.29	ng/ml	90
55) Dibenzofuran	10.076	168	69462	226.68	ng/ml	99
56) 2,3,5,6-Tetrachlorophenol	10.151	232	8629	208.84	ng/ml	92
57) 2,3,4,6-Tetrachlorophenol	10.199	232	10787	225.14	ng/ml	94
58) Diethyl phthalate	10.285	149	53766	236.20	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.285	170	44649	238.42	ng/ml	99
60) Fluorene	10.424	166	55055	230.01	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.419	204	27516	232.35	ng/ml	98
62) 4-Nitroaniline	10.429	138	7453	172.66	ng/ml	90
63) 4,6-Dinitro-2-methylph...	10.461	198	2570	250.82	ng/ml	82

#See M12

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012014.D
 Acq On : 1 May 2020 6:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL4
 Misc : 1x, A20D246@200
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 04 11:05:09 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

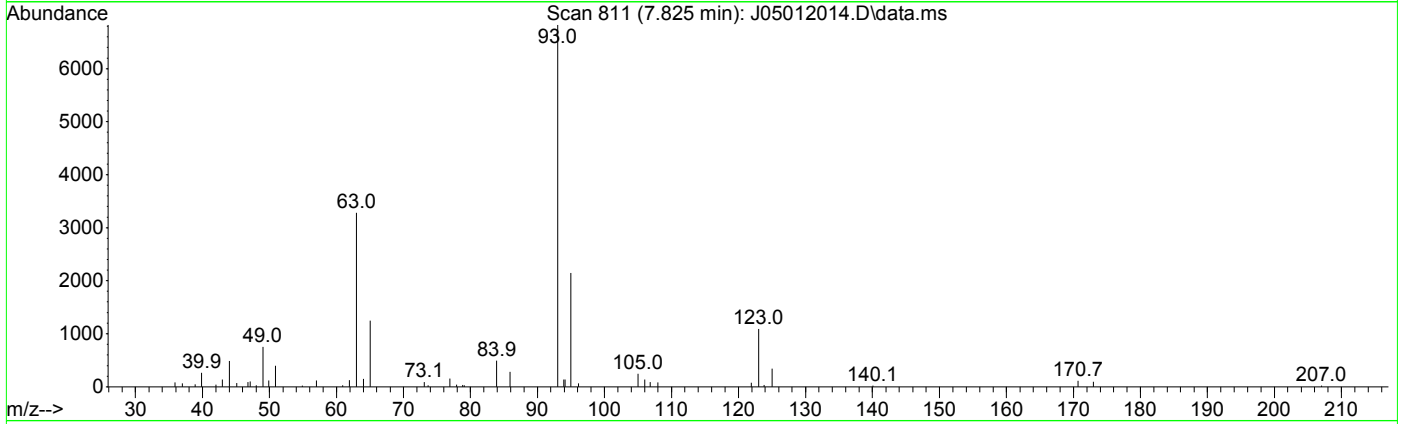
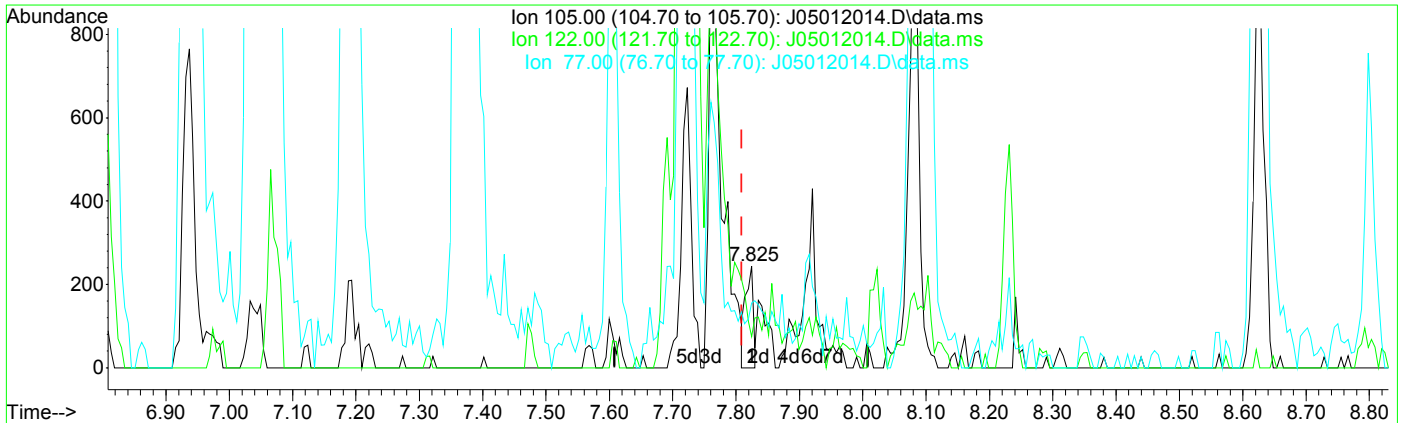
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.531	169	44173	231.91	ng/ml	98
66) Azobenzene (1,2-DPH)	10.579	77	39378	220.23	ng/ml	99
68) 4-Bromophenyl phenyl e...	10.916	248	16553	222.46	ng/ml	96
69) Hexachlorobenzene	11.002	284	22342	241.05	ng/ml	99
70) Pentachlorophenol (PCP)	11.194	266	5400	214.48	ng/ml	94
71) Phenanthrene	11.413	178	78539	224.53	ng/ml	98
72) Anthracene	11.462	178	76033	221.81	ng/ml	97
73) Carbazole	11.622	167	61914	221.71	ng/ml	98
74) Di-n-butyl phthalate	11.964	149	70740	192.85	ng/ml	100
75) Fluoranthene	12.740	202	81473	222.23	ng/ml	94
76) Benzidine	12.900	184	32317	531.99	ng/ml	98
77) Pyrene	13.055	202	83478	220.88	ng/ml	99
80) Butyl benzyl phthalate	14.157	149	19934	181.86	ng/ml	98
81) Bis(2-ethylhexyl) adipate	14.339	129	18549	189.41	ng/ml	99
82) 3,3-Dichlorobenzidine	15.334	252	34852	769.61	ng/ml	94
83) Benz(a)anthracene	15.371	228	74103	199.57	ng/ml	98
84) Chrysene	15.457	228	73042	213.67	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.543	149	28975	135.96	ng/ml	97
87) Di-n-octyl phthalate	17.227	149	29855	143.58	ng/ml	99
88) Benzo(b)fluoranthene	17.998	252	62932	194.42	ng/ml	98
89) Benzo(k)fluoranthene	18.067	252	65220	191.90	ng/ml	96
90) Benzo(b+k)fluoranthene	18.067	252	134512	391.59	ng/ml	96
91) Benzo(e)pyrene	18.656	252	64740	201.08	ng/ml	97
92) Benzo(a)pyrene	18.779	252	51841	192.35	ng/ml	99
93) Perylene	18.982	252	62205	204.69	ng/ml	97
95) Indeno(1,2,3-cd)pyrene	21.324	276	58782	187.86	ng/ml	95
96) Dibenz(a,h)anthracene	21.394	278	57576	205.79	ng/ml	97
97) Benzo(g,h,i)perylene	21.870	276	58466	192.80	ng/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012014.D
 Acq On : 1 May 2020 6:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL4
 Misc : 1x, A20D246@200
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 04 11:05:09 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



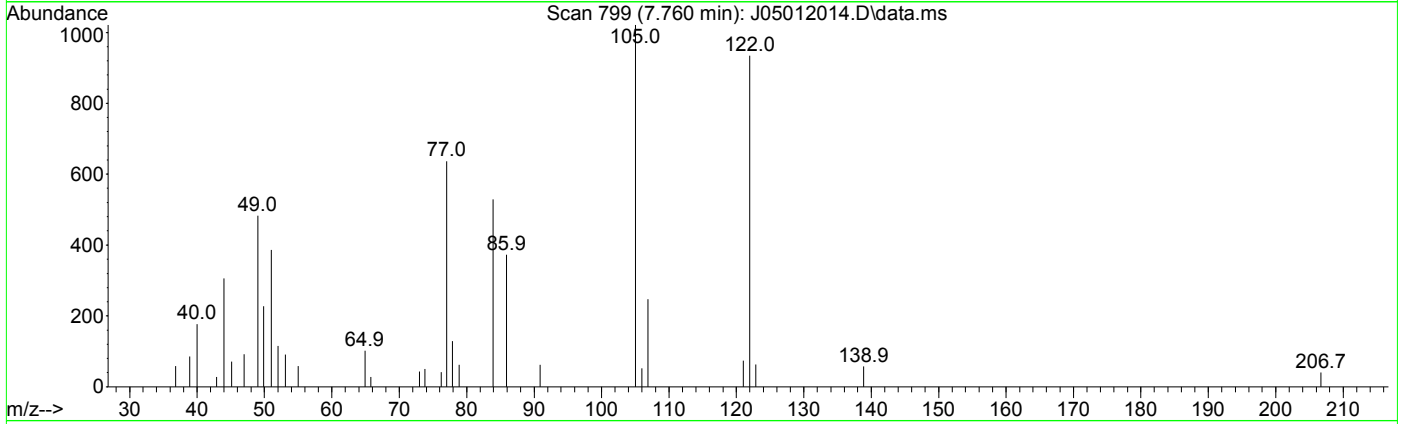
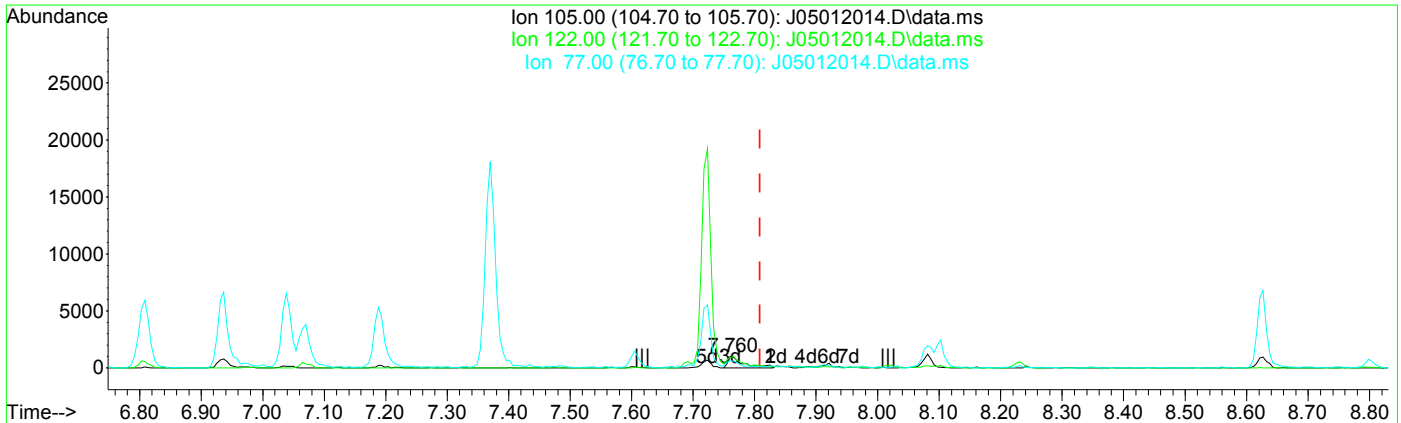
TIC: J05012014.D\data.ms

(26) Benzoic acid (T)		
7.825min (+ 0.016) 848.35 ng/ml		
response	208	
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	30.74#
77.00	61.50	63.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012014.D
 Acq On : 1 May 2020 6:50 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL4
 Misc : 1x, A20D246@200
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 04 11:05:09 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



(26) Benzoic acid (T)

7.760min (-0.048) 875.35 ng/ml m

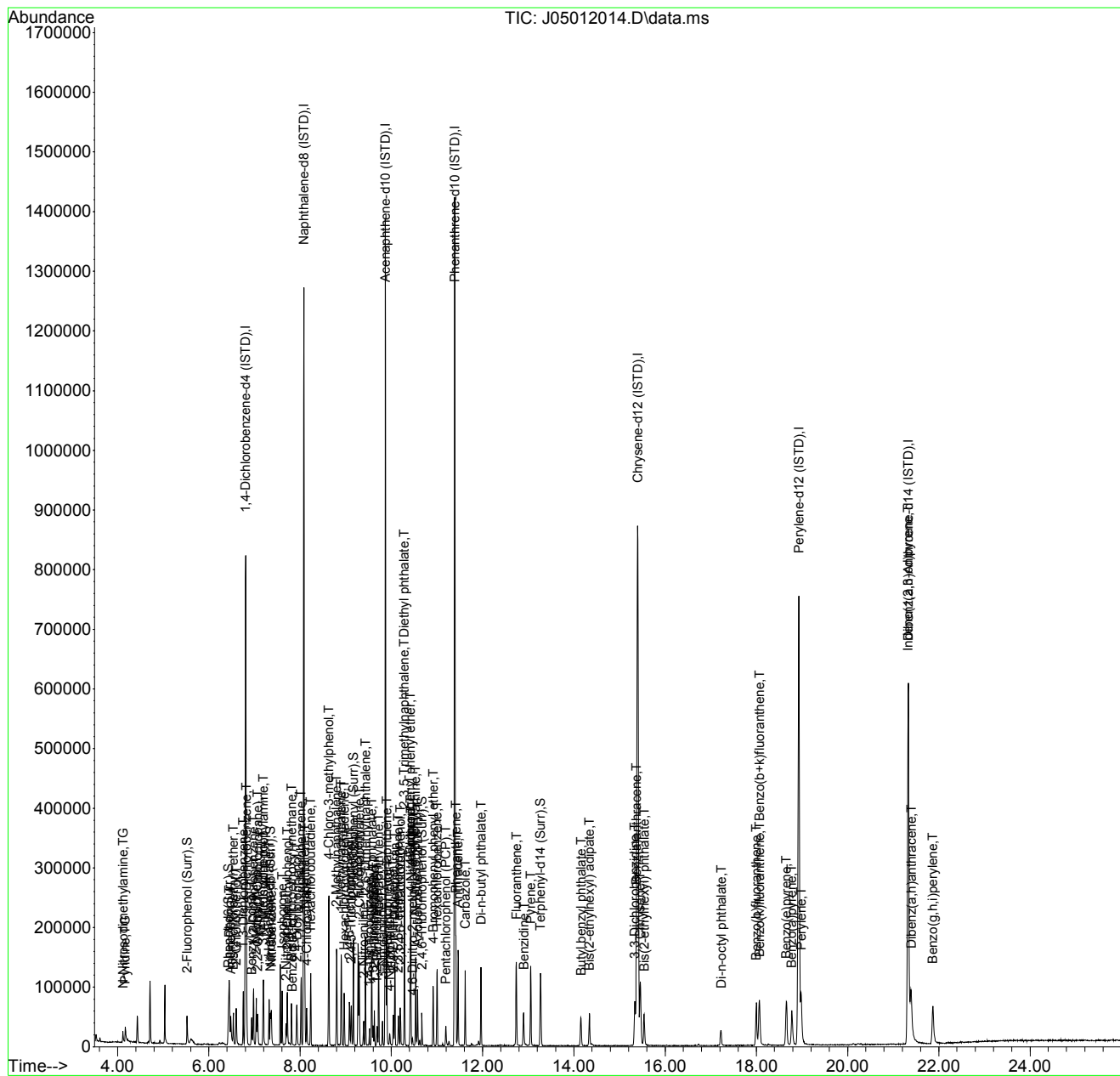
response 1715

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	91.48
77.00	61.50	62.39
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
Data File : J05012014.D
Acq On : 1 May 2020 6:50 pm
Operator : JK/ AMS/ DTH
Sample : 0E01048-CAL4
Misc : 1x, A20D246@200
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 04 11:05:09 2020
Quant Method : C:\msdchem\1\methods\SV10_050120.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon May 04 10:59:59 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012015.D
 Acq On : 1 May 2020 7:26 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL5
 Misc : 1x, A20D247@500
 ALS Vial : 7 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:06:02 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	183403	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	680915	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.868	162	334768	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.387	188	630899	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.404	240	644327	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.934	264	626511	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.330	292	518018	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.525	112	58252	526.38	ng/ml	0.00
5) Phenol-d6(Surr)	6.429	99	69027	533.01	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.354	82	54703	564.53	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.167	172	145387	582.31	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.670	330	22448	589.48	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.270	244	170092	568.70	ng/ml	0.00
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	4.118	74	34459	497.33	ng/ml	95
3) Pyridine	4.156	79	56059	509.43	ng/ml	91
6) Phenol	6.445	94	69878	503.92	ng/ml	94
7) Aniline	6.482	93	69692	768.83	ng/ml	98
8) Bis(2-chloroethyl) ether	6.536	93	64951	479.15	ng/ml	96
9) 2-Chlorophenol	6.600	128	66822	558.19	ng/ml	99
10) 1,3-Dichlorobenzene	6.755	146	78446	538.03	ng/ml	98
11) 1,4-Dichlorobenzene	6.824	146	76922	532.46	ng/ml	98
12) Benzyl alcohol	6.931	108	33612	457.14	ng/ml	91
13) 1,2-Dichlorobenzene	6.980	146	76724	543.20	ng/ml	98
14) 2-Methylphenol	7.038	107	48344	547.23	ng/ml	97
15) 2,2'-Oxybis(1-Chloropr...	7.065	45	51146	553.45	ng/ml	95
16) N-Nitrosodi-n-propylamine	7.194	70	37629	556.16	ng/ml	97
17) 3+4-Methylphenol	7.188	107	61306	572.81	ng/ml	97
18) Hexachloroethane	7.317	201	27570	585.81	ng/ml	97
20) Nitrobenzene	7.370	77	56770	593.89	ng/ml	95
22) Isophorone	7.605	82	106164	548.51	ng/ml	97
23) 2-Nitrophenol	7.691	139	33472	623.32	ng/ml	93
24) 2,4-Dimethylphenol	7.723	122	53592	573.96	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012015.D
 Acq On : 1 May 2020 7:26 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL5
 Misc : 1x, A20D247@500
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 04 11:06:02 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.814	93	67001	530.76	ng/ml	98
26) Benzoic acid	7.782	105	14918	1114.70	ng/ml	94
27) 2,4-Dichlorophenol	7.932	162	53024	566.06	ng/ml	98
28) 1,2,4-Trichlorobenzene	8.023	180	67284	571.93	ng/ml	99
29) Naphthalene	8.103	128	198240	561.54	ng/ml	100
30) 4-Chloroaniline	8.146	127	64457	693.03	ng/ml	97
31) Hexachlorobutadiene	8.231	225	40832	617.66	ng/ml	97
32) 4-Chloro-3-methylphenol	8.622	107	45413	536.86	ng/ml	98
33) 2-Methylnaphthalene	8.803	142	132345	537.43	ng/ml	97
34) 1-Methylnaphthalene	8.905	142	123884	535.96	ng/ml	99
36) Hexachlorocyclopentadiene	8.969	237	36462	661.90	ng/ml	98
37) 2,4,6-Trichlorophenol	9.082	196	36271	574.82	ng/ml	96
38) 2,4,5-Trichlorophenol	9.119	198	36303	563.12	ng/ml	99
39) 1,1'-Biphenyl	9.269	154	153742	569.68	ng/ml	99
41) 2-Chloronaphthalene	9.296	162	117743	568.66	ng/ml	96
42) 2-Nitroaniline	9.392	138	30298	507.64	ng/ml	91
43) 2,6-Dimethylnaphthalene	9.435	156	111733	568.53	ng/ml	97
44) 1,4-Dinitrobenzene	9.520	168	13891	540.06	ng/ml	94
45) Dimethyl phthalate	9.568	163	132075	571.68	ng/ml	99
46) 1,3-Dinitrobenzene	9.600	168	18060	553.58	ng/ml	98
47) 2,6-Dinitrotoluene	9.633	165	28845	565.37	ng/ml	97
48) 1,2-Dinitrobenzene	9.691	168	13224	562.04	ng/ml	93
49) Acenaphthylene	9.723	152	183911	572.42	ng/ml	99
50) 3-Nitroaniline	9.804	138	25545	602.46	ng/ml	97
51) Acenaphthene	9.900	153	118657	546.61	ng/ml	98
52) 2,4-Dinitrophenol	9.911	184	4171	542.34	ng/ml	86
53) 4-Nitrophenol	9.964	139	16246	496.81	ng/ml	89
54) 2,4-Dinitrotoluene	10.044	165	34026	557.52	ng/ml	96
55) Dibenzofuran	10.076	168	164955	559.27	ng/ml	99
56) 2,3,5,6-Tetrachlorophenol	10.157	232	27343	590.35	ng/ml	99
57) 2,3,4,6-Tetrachlorophenol	10.199	232	29826	581.25	ng/ml	99
58) Diethyl phthalate	10.285	149	129544	591.28	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.285	170	108132	599.91	ng/ml	99
60) Fluorene	10.424	166	135494	588.11	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.419	204	66625	584.51	ng/ml	98
62) 4-Nitroaniline	10.429	138	18421	443.38	ng/ml	95
63) 4,6-Dinitro-2-methylph...	10.462	198	11323	621.07	ng/ml	94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012015.D
 Acq On : 1 May 2020 7:26 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL5
 Misc : 1x, A20D247@500
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 04 11:06:02 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

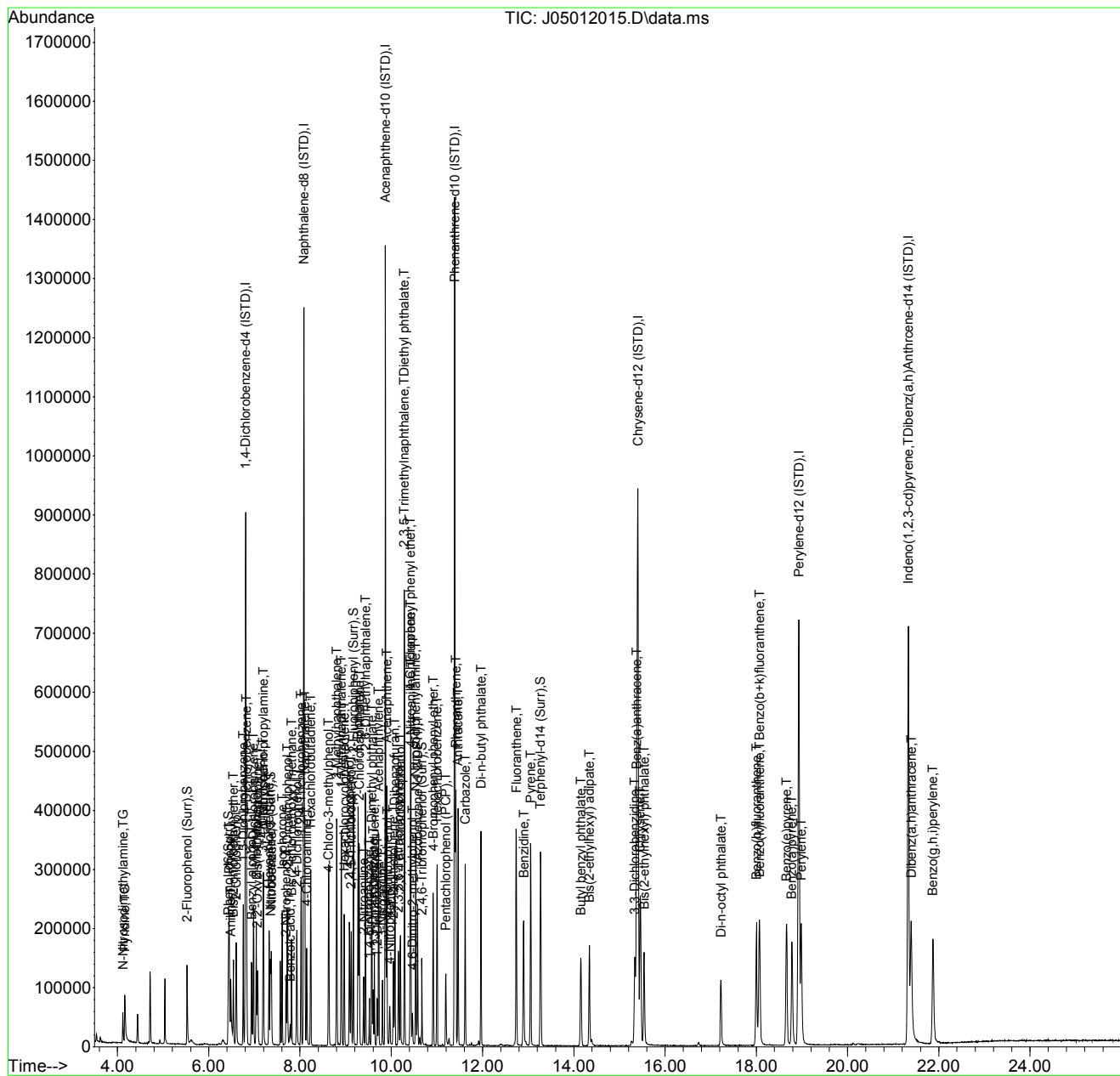
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.531	169	110562	584.38	ng/ml	99
66) Azobenzene (1,2-DPH)	10.579	77	97518	549.08	ng/ml	95
68) 4-Bromophenyl phenyl e...	10.916	248	41767	565.13	ng/ml	98
69) Hexachlorobenzene	11.002	284	53003	575.72	ng/ml	99
70) Pentachlorophenol (PCP)	11.194	266	18897	552.83	ng/ml	97
71) Phenanthrene	11.414	178	192437	553.88	ng/ml	99
72) Anthracene	11.462	178	189259	555.86	ng/ml	97
73) Carbazole	11.622	167	158571	571.68	ng/ml	99
74) Di-n-butyl phthalate	11.965	149	192660	528.78	ng/ml	99
75) Fluoranthene	12.740	202	207862	570.81	ng/ml	97
76) Benzidine	12.901	184	122263	1997.96	ng/ml	97
77) Pyrene	13.056	202	219139	583.76	ng/ml	99
80) Butyl benzyl phthalate	14.152	149	64881	464.35	ng/ml	93
81) Bis(2-ethylhexyl) adipate	14.339	129	58573	478.88	ng/ml	97
82) 3,3-Dichlorobenzidine	15.334	252	70720	2108.71	ng/ml	97
83) Benz(a)anthracene	15.377	228	188950	518.68	ng/ml	100
84) Chrysene	15.457	228	182412	543.91	ng/ml	98
85) Bis(2-ethylhexyl) phth...	15.543	149	94935	454.07	ng/ml	97
87) Di-n-octyl phthalate	17.222	149	120023	378.52	ng/ml	98
88) Benzo(b)fluoranthene	18.003	252	178050	533.80	ng/ml	98
89) Benzo(k)fluoranthene	18.067	252	184628	534.73	ng/ml	98
90) Benzo(b+k)fluoranthene	18.067	252	374428	1067.55	ng/ml	98
91) Benzo(e)pyrene	18.661	252	173884	531.44	ng/ml	97
92) Benzo(a)pyrene	18.779	252	149810	536.70	ng/ml	98
93) Perylene	18.987	252	160709	536.05	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.330	276	152136	496.11	ng/ml	93
96) Dibenz(a,h)anthracene	21.394	278	148631	542.08	ng/ml	95
97) Benzo(g,h,i)perylene	21.870	276	158826	519.73	ng/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012015.D
 Acq On : 1 May 2020 7:26 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL5
 Misc : 1x, A20D247@500
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 04 11:06:02 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012016.D
 Acq On : 1 May 2020 8:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL6
 Misc : 1x, A20D248@1000
 ALS Vial : 8 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:06:45 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	180245	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	673130	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.868	162	339213	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	643209	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.404	240	647204	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.928	264	635590	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.335	292	543591	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.525	112	113423	1042.87	ng/ml	0.00
5) Phenol-d6(Surr)	6.434	99	138996	1092.10	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.354	82	110753	1162.99	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.167	172	281689	1113.44	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.670	330	47944	1181.73	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.270	244	335419	1116.48	ng/ml	0.00
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	4.113	74	66004	969.30	ng/ml	89
3) Pyridine	4.150	79	106090	965.93	ng/ml	96
6) Phenol	6.445	94	138337	1015.08	ng/ml	92
7) Aniline	6.482	93	134013	1558.02	ng/ml	95
8) Bis(2-chloroethyl) ether	6.536	93	129066	968.82	ng/ml	95
9) 2-Chlorophenol	6.600	128	130032	1105.24	ng/ml	99
10) 1,3-Dichlorobenzene	6.755	146	148363	1035.39	ng/ml	99
11) 1,4-Dichlorobenzene	6.824	146	142848	1006.12	ng/ml	99
12) Benzyl alcohol	6.931	108	71211	958.96	ng/ml	96
13) 1,2-Dichlorobenzene	6.980	146	142058	1023.37	ng/ml	98
14) 2-Methylphenol	7.038	107	95275	1097.37	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	7.071	45	96994	1067.97	ng/ml	99
16) N-Nitrosodi-n-propylamine	7.199	70	73246	1101.55	ng/ml	97
17) 3+4-Methylphenol	7.188	107	121441	1154.56	ng/ml	96
18) Hexachloroethane	7.317	201	52010	1124.48	ng/ml	98
20) Nitrobenzene	7.370	77	106757	1136.38	ng/ml	97
22) Isophorone	7.605	82	207129	1082.54	ng/ml	97
23) 2-Nitrophenol	7.691	139	70564	1272.93	ng/ml	94
24) 2,4-Dimethylphenol	7.723	122	106366	1152.33	ng/ml	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012016.D
 Acq On : 1 May 2020 8:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL6
 Misc : 1x, A20D248@1000
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 04 11:06:45 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.814	93	128175	1027.10	ng/ml	99
26) Benzoic acid	7.809	105	56683	1860.33	ng/ml	97
27) 2,4-Dichlorophenol	7.932	162	105774	1114.64	ng/ml	99
28) 1,2,4-Trichlorobenzene	8.023	180	128491	1104.84	ng/ml	97
29) Naphthalene	8.103	128	377684	1082.21	ng/ml	99
30) 4-Chloroaniline	8.146	127	129616	1686.64	ng/ml	96
31) Hexachlorobutadiene	8.231	225	77201	1181.31	ng/ml	99
32) 4-Chloro-3-methylphenol	8.627	107	90591	1051.36	ng/ml	99
33) 2-Methylnaphthalene	8.803	142	257721	1058.66	ng/ml	99
34) 1-Methylnaphthalene	8.905	142	237648	1040.02	ng/ml	98
36) Hexachlorocyclopentadiene	8.969	237	73630	1295.07	ng/ml	98
37) 2,4,6-Trichlorophenol	9.082	196	75420	1143.21	ng/ml	99
38) 2,4,5-Trichlorophenol	9.119	198	73502	1097.16	ng/ml	99
39) 1,1'-Biphenyl	9.274	154	301856	1103.84	ng/ml	98
41) 2-Chloronaphthalene	9.296	162	230860	1100.36	ng/ml	97
42) 2-Nitroaniline	9.392	138	65577	1084.33	ng/ml	91
43) 2,6-Dimethylnaphthalene	9.435	156	218308	1096.27	ng/ml	98
44) 1,4-Dinitrobenzene	9.520	168	31602	1111.54	ng/ml	92
45) Dimethyl phthalate	9.574	163	259401	1108.09	ng/ml	99
46) 1,3-Dinitrobenzene	9.600	168	37452	1066.14	ng/ml	97
47) 2,6-Dinitrotoluene	9.633	165	57671	1089.22	ng/ml	90
48) 1,2-Dinitrobenzene	9.691	168	27052	1134.68	ng/ml	92
49) Acenaphthylene	9.723	152	352233	1081.95	ng/ml	99
50) 3-Nitroaniline	9.809	138	50804	1356.66	ng/ml	95
51) Acenaphthene	9.900	153	231769	1053.69	ng/ml	99
52) 2,4-Dinitrophenol	9.911	184	13736	1228.58	ng/ml	93
53) 4-Nitrophenol	9.964	139	38821	1053.28	ng/ml	93
54) 2,4-Dinitrotoluene	10.044	165	72794	1113.43	ng/ml	93
55) Dibenzofuran	10.076	168	321608	1076.10	ng/ml	97
56) 2,3,5,6-Tetrachlorophenol	10.157	232	61190	1229.34	ng/ml	96
57) 2,3,4,6-Tetrachlorophenol	10.199	232	62656	1158.89	ng/ml	97
58) Diethyl phthalate	10.290	149	247936	1116.83	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.285	170	203355	1113.42	ng/ml	99
60) Fluorene	10.429	166	252058	1079.73	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.419	204	126110	1091.88	ng/ml	98
62) 4-Nitroaniline	10.429	138	38891	923.80	ng/ml	97
63) 4,6-Dinitro-2-methylph...	10.462	198	30354	1328.70	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012016.D
 Acq On : 1 May 2020 8:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL6
 Misc : 1x, A20D248@1000
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 04 11:06:45 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

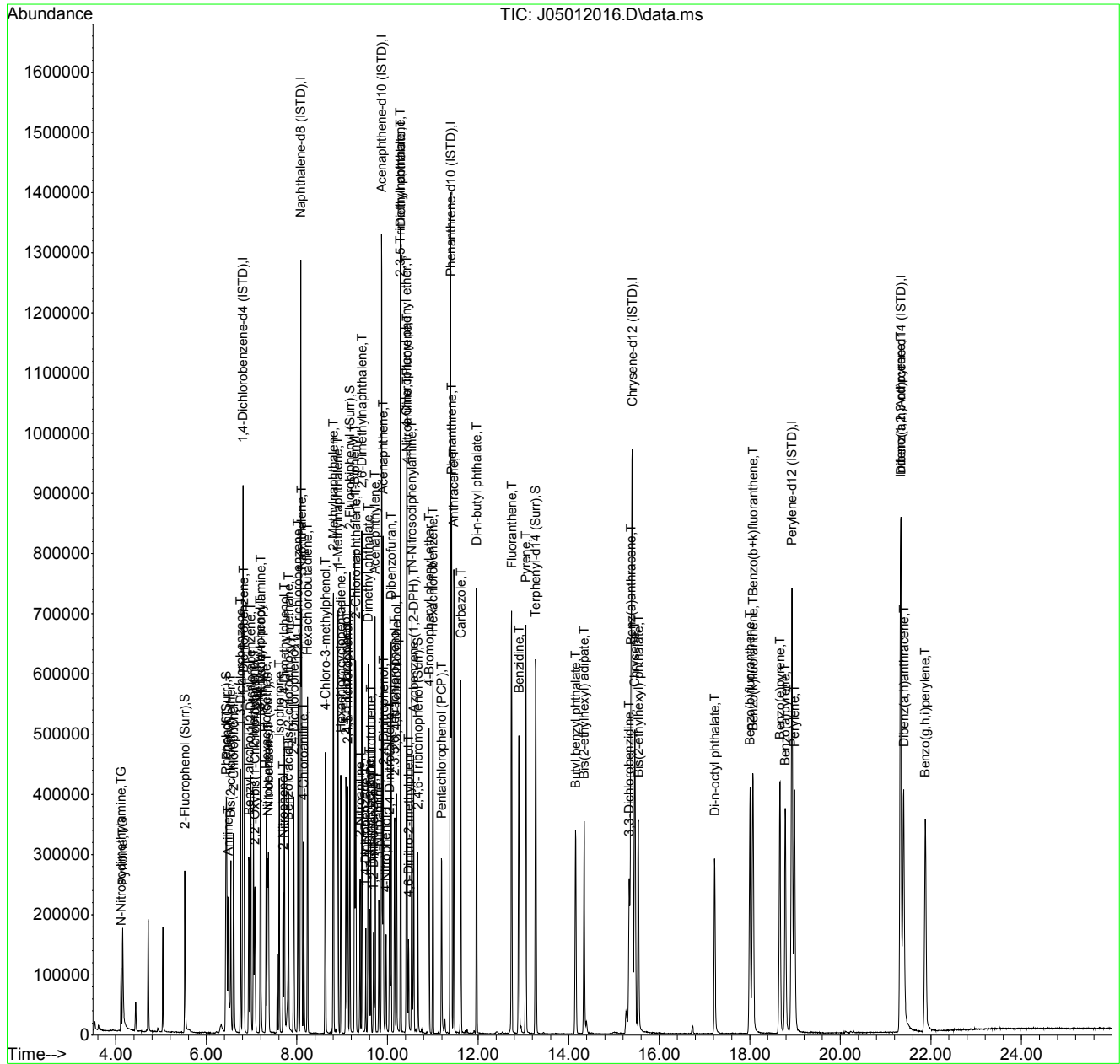
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.536	169	214512	1112.12	ng/ml	99
66) Azobenzene (1,2-DPH)	10.579	77	191839	1059.49	ng/ml	97
68) 4-Bromophenyl phenyl e...	10.916	248	81757	1085.04	ng/ml	98
69) Hexachlorobenzene	11.002	284	102514	1092.19	ng/ml	99
70) Pentachlorophenol (PCP)	11.194	266	45305	1162.50	ng/ml	99
71) Phenanthrene	11.414	178	374187	1056.38	ng/ml	99
72) Anthracene	11.462	178	374197	1078.00	ng/ml	98
73) Carbazole	11.622	167	298950	1057.15	ng/ml	99
74) Di-n-butyl phthalate	11.965	149	394866	1063.01	ng/ml	99
75) Fluoranthene	12.740	202	422934	1139.20	ng/ml	97
76) Benzidine	12.901	184	273104	4702.92	ng/ml	97
77) Pyrene	13.056	202	423172	1105.70	ng/ml	100
80) Butyl benzyl phthalate	14.152	149	145488	956.98	ng/ml	95
81) Bis(2-ethylhexyl) adipate	14.339	129	123453	936.11	ng/ml	97
82) 3,3-Dichlorobenzidine	15.334	252	118777	3746.07	ng/ml	96
83) Benz(a)anthracene	15.377	228	376853	1029.89	ng/ml	99
84) Chrysene	15.463	228	354860	1053.41	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.543	149	203493	968.96	ng/ml	97
87) Di-n-octyl phthalate	17.222	149	298544	830.02	ng/ml	100
88) Benzo(b)fluoranthene	18.003	252	358795	1036.82	ng/ml	98
89) Benzo(k)fluoranthene	18.067	252	369147	1053.24	ng/ml	97
90) Benzo(b+k)fluoranthene	18.067	252	750435	2084.96	ng/ml	97
91) Benzo(e)pyrene	18.666	252	349256	1040.24	ng/ml	99
92) Benzo(a)pyrene	18.784	252	308919	1069.40	ng/ml	99
93) Perylene	18.987	252	315421	1037.07	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.330	276	307747	956.33	ng/ml	92
96) Dibenz(a,h)anthracene	21.400	278	300075	1042.93	ng/ml	93
97) Benzo(g,h,i)perylene	21.876	276	328120	1017.15	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012016.D
 Acq On : 1 May 2020 8:01 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL6
 Misc : 1x, A20D248@1000
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 04 11:06:45 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012017.D
 Acq On : 1 May 2020 8:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL7
 Misc : 1x, A20D249@2000
 ALS Vial : 9 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:07:48 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	178407	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	652077	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.873	162	336578	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	643513	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.430	240	635452	2000.00	ng/ml	0.03
86) Perylene-d12 (ISTD)	18.955	264	617587	2000.00	ng/ml	0.03
94) Dibenz(a,h)Anthrcene-d...	21.362	292	539634	2000.00	ng/ml	0.03
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.525	112	234424	2177.62	ng/ml	0.00
5) Phenol-d6(Surr)	6.434	99	278467	2210.48	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.354	82	215838	2289.82	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.172	172	535435	2133.01	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.675	330	99669	2342.87	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.286	244	649225	2200.99	ng/ml	0.02
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	4.107	74	134599	1997.01	ng/ml	90
3) Pyridine	4.139	79	226549	2040.44	ng/ml	92
6) Phenol	6.450	94	295844	2193.19	ng/ml	92
7) Aniline	6.482	93	268100	3304.75	ng/ml	97
8) Bis(2-chloroethyl) ether	6.541	93	257343	1951.61	ng/ml	97
9) 2-Chlorophenol	6.605	128	256829	2205.47	ng/ml	98
10) 1,3-Dichlorobenzene	6.755	146	286729	2021.63	ng/ml	98
11) 1,4-Dichlorobenzene	6.824	146	284248	2022.67	ng/ml	99
12) Benzyl alcohol	6.937	108	148637	1990.86	ng/ml	93
13) 1,2-Dichlorobenzene	6.979	146	273037	1987.20	ng/ml	95
14) 2-Methylphenol	7.044	107	186846	2174.25	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	183240	2038.38	ng/ml	99
16) N-Nitrosodi-n-propylamine	7.204	70	142353	2162.90	ng/ml	97
17) 3+4-Methylphenol	7.193	107	235635	2263.30	ng/ml	96
18) Hexachloroethane	7.322	201	105262	2299.27	ng/ml	95
20) Nitrobenzene	7.375	77	211732	2277.01	ng/ml	98
22) Isophorone	7.611	82	400253	2159.42	ng/ml	98
23) 2-Nitrophenol	7.696	139	130953	2344.32	ng/ml	94
24) 2,4-Dimethylphenol	7.728	122	197821	2212.31	ng/ml	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012017.D
 Acq On : 1 May 2020 8:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL7
 Misc : 1x, A20D249@2000
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 04 11:07:48 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.819	93	249308	2062.27	ng/ml	98
26) Benzoic acid	7.841	105	167185	3774.99	ng/ml	97
27) 2,4-Dichlorophenol	7.937	162	210329	2257.83	ng/ml	98
28) 1,2,4-Trichlorobenzene	8.022	180	239774	2128.29	ng/ml	96
29) Naphthalene	8.103	128	693722	2051.96	ng/ml	100
30) 4-Chloroaniline	8.151	127	238318	Below Cal	Cal	96
31) Hexachlorobutadiene	8.231	225	146383	2312.23	ng/ml	99
32) 4-Chloro-3-methylphenol	8.627	107	184384	2155.66	ng/ml	98
33) 2-Methylnaphthalene	8.803	142	493469	2092.51	ng/ml	97
34) 1-Methylnaphthalene	8.905	142	451130	2038.03	ng/ml	98
36) Hexachlorocyclopentadiene	8.975	237	147214	2544.54	ng/ml	97
37) 2,4,6-Trichlorophenol	9.087	196	145792	2183.83	ng/ml	96
38) 2,4,5-Trichlorophenol	9.119	198	150181	2237.43	ng/ml	96
39) 1,1'-Biphenyl	9.274	154	564946	2082.09	ng/ml	99
41) 2-Chloronaphthalene	9.301	162	434449	2086.95	ng/ml	95
42) 2-Nitroaniline	9.397	138	136747	2278.85	ng/ml	94
43) 2,6-Dimethylnaphthalene	9.440	156	412298	2086.62	ng/ml	96
44) 1,4-Dinitrobenzene	9.525	168	69428	2296.63	ng/ml	91
45) Dimethyl phthalate	9.579	163	499048	2148.48	ng/ml	99
46) 1,3-Dinitrobenzene	9.606	168	79439	2193.27	ng/ml	97
47) 2,6-Dinitrotoluene	9.638	165	118828	2235.35	ng/ml	93
48) 1,2-Dinitrobenzene	9.697	168	55084	2328.55	ng/ml	86
49) Acenaphthylene	9.729	152	673465	2084.87	ng/ml	99
50) 3-Nitroaniline	9.814	138	95947	Below Cal	Cal	94
51) Acenaphthene	9.905	153	440129	2016.62	ng/ml	99
52) 2,4-Dinitrophenol	9.916	184	39777	2644.51	ng/ml	93
53) 4-Nitrophenol	9.969	139	83836	2150.35	ng/ml	84
54) 2,4-Dinitrotoluene	10.050	165	152328	2284.79	ng/ml	94
55) Dibenzofuran	10.082	168	619598	2089.41	ng/ml	98
56) 2,3,5,6-Tetrachlorophenol	10.157	232	128576	2455.89	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	10.205	232	129498	2334.92	ng/ml	99
58) Diethyl phthalate	10.296	149	455636	2068.49	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.290	170	378517	2088.70	ng/ml	96
60) Fluorene	10.429	166	480963	2076.40	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.419	204	244428	2132.86	ng/ml	95
62) 4-Nitroaniline	10.440	138	76264	1825.73	ng/ml	91
63) 4,6-Dinitro-2-methylph...	10.472	198	72474	2687.95	ng/ml	94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012017.D
 Acq On : 1 May 2020 8:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL7
 Misc : 1x, A20D249@2000
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 04 11:07:48 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

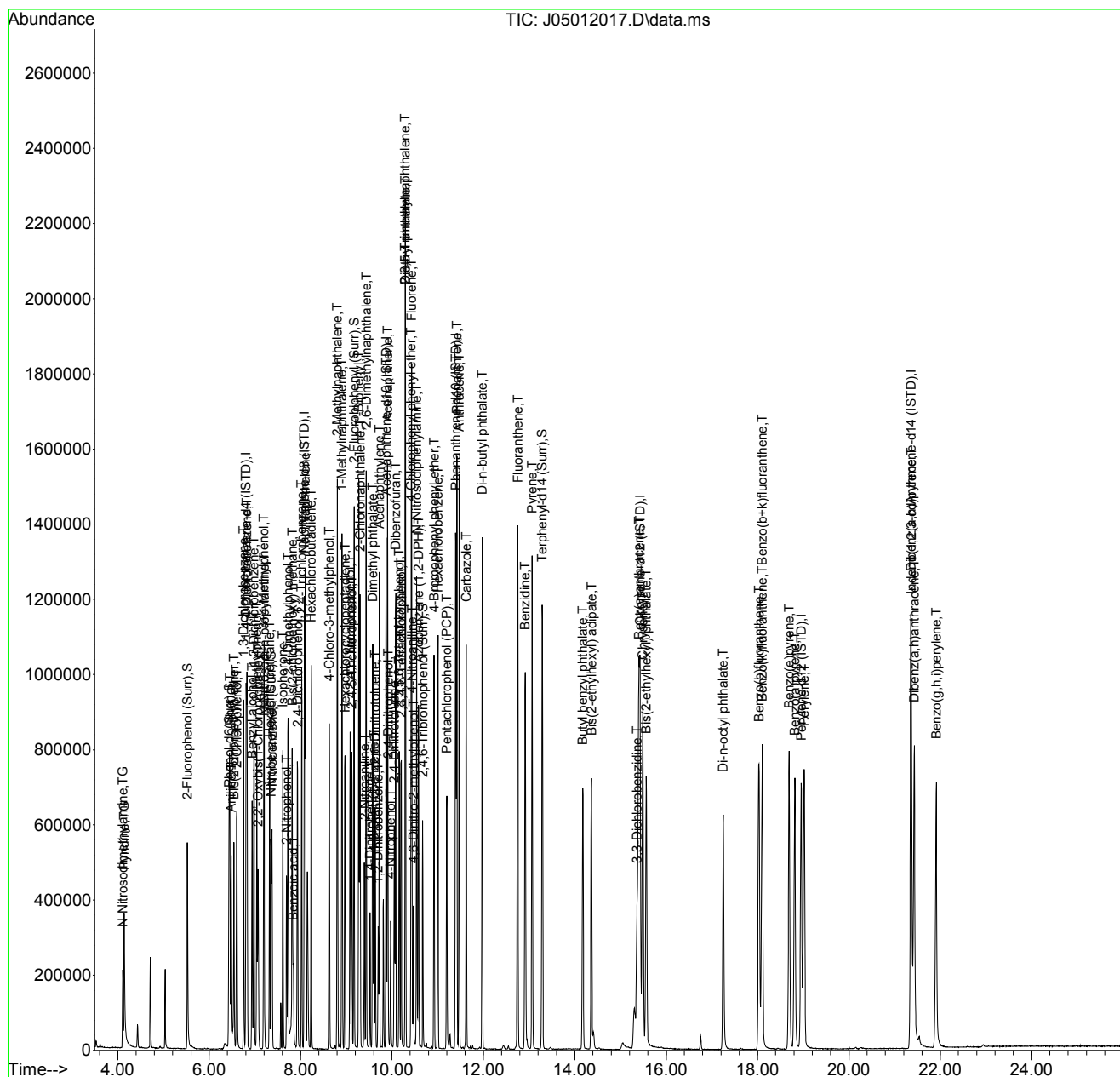
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.542	169	408855	2118.67	ng/ml	98
66) Azobenzene (1,2-DPH)	10.584	77	372273	2055.02	ng/ml	98
68) 4-Bromophenyl phenyl e...	10.921	248	163489	2168.72	ng/ml	98
69) Hexachlorobenzene	11.007	284	195498	2081.86	ng/ml	99
70) Pentachlorophenol (PCP)	11.200	266	103626	2415.54	ng/ml	100
71) Phenanthrene	11.419	178	702306	1981.77	ng/ml	100
72) Anthracene	11.472	178	712315	2051.10	ng/ml	99
73) Carbazole	11.627	167	523258	1849.48	ng/ml	100
74) Di-n-butyl phthalate	11.975	149	751793	2022.94	ng/ml	99
75) Fluoranthene	12.751	202	825251	2221.81	ng/ml	97
76) Benzidine	12.916	184	596002	15899.55	ng/ml	97
77) Pyrene	13.072	202	829284	2165.80	ng/ml	100
80) Butyl benzyl phthalate	14.173	149	304776	1946.78	ng/ml	95
81) Bis(2-ethylhexyl) adipate	14.366	129	263361	1943.41	ng/ml	98
82) 3,3-Dichlorobenzidine	15.366	252	178328	5753.38	ng/ml	97
83) Benz(a)anthracene	15.404	228	742522	2066.75	ng/ml	99
84) Chrysene	15.489	228	694601	2100.07	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.564	149	423910	2055.84	ng/ml	97
87) Di-n-octyl phthalate	17.254	149	680919	1854.68	ng/ml	98
88) Benzo(b)fluoranthene	18.035	252	746356	2147.19	ng/ml	97
89) Benzo(k)fluoranthene	18.105	252	719032	2141.02	ng/ml	96
90) Benzo(b+k)fluoranthene	18.105	252	1502107	4252.61	ng/ml	96
91) Benzo(e)pyrene	18.693	252	695034	2106.60	ng/ml	98
92) Benzo(a)pyrene	18.816	252	620228	2160.55	ng/ml	99
93) Perylene	19.019	252	616962	2087.64	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.367	276	624900	1956.13	ng/ml	91
96) Dibenz(a,h)anthracene	21.432	278	601594	2106.21	ng/ml	93
97) Benzo(g,h,i)perylene	21.913	276	669317	2091.74	ng/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012017.D
 Acq On : 1 May 2020 8:36 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL7
 Misc : 1x, A20D249@2000
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 04 11:07:48 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012018.D
 Acq On : 1 May 2020 9:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL8
 Misc : 1x, A20D250@4000
 ALS Vial : 10 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:08:33 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.809	152	174907	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.087	136	635505	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.873	162	321338	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	626814	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.431	240	616881	2000.00	ng/ml	0.03
86) Perylene-d12 (ISTD)	18.961	264	609005	2000.00	ng/ml	0.03
94) Dibenz(a,h)Anthrcene-d...	21.373	292	544489	2000.00	ng/ml	0.04
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.530	112	452073	4283.45	ng/ml	0.00
5) Phenol-d6(Surr)	6.445	99	522506	4230.67	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.359	82	401506	4344.80	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.173	172	947130	3952.02	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.681	330	195059	4413.52	ng/ml	0.01
79) Terphenyl-d14 (Surr)	13.286	244	1222290	4268.53	ng/ml	0.02
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	4.123	74	262941	3979.25	ng/ml	92
3) Pyridine	4.145	79	442936	3948.33	ng/ml	93
6) Phenol	6.455	94	551221	4168.16	ng/ml	87
7) Aniline	6.488	93	545033	7636.29	ng/ml	97
8) Bis(2-chloroethyl) ether	6.546	93	449460	3476.78	ng/ml	95
9) 2-Chlorophenol	6.605	128	484213	4241.29	ng/ml	99
10) 1,3-Dichlorobenzene	6.755	146	535315	3849.86	ng/ml	97
11) 1,4-Dichlorobenzene	6.830	146	520387	3777.11	ng/ml	98
12) Benzyl alcohol	6.942	108	285840	3857.82	ng/ml	93
13) 1,2-Dichlorobenzene	6.980	146	496140	3683.23	ng/ml	97
14) 2-Methylphenol	7.044	107	341774	4056.66	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	7.071	45	333090	3779.47	ng/ml	98
16) N-Nitrosodi-n-propylamine	7.210	70	253448	3927.93	ng/ml	97
17) 3+4-Methylphenol	7.199	107	419273	4107.75	ng/ml	95
18) Hexachloroethane	7.322	201	197978	4411.02	ng/ml	94
20) Nitrobenzene	7.381	77	390099	4279.16	ng/ml	99
22) Isophorone	7.621	82	745397	4126.39	ng/ml	98
23) 2-Nitrophenol	7.696	139	254617	4410.75	ng/ml	91
24) 2,4-Dimethylphenol	7.734	122	351489	4033.34	ng/ml	95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012018.D
 Acq On : 1 May 2020 9:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL8
 Misc : 1x, A20D250@4000
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 11:08:33 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.825	93	453427	3848.55	ng/ml	99
26) Benzoic acid	7.889	105	443484	7994.36	ng/ml	95
27) 2,4-Dichlorophenol	7.937	162	384242	4202.27	ng/ml	99
28) 1,2,4-Trichlorobenzene	8.028	180	435878	3969.84	ng/ml	97
29) Naphthalene	8.108	128	1228640	3728.96	ng/ml	98
30) 4-Chloroaniline	8.156	127	406932	Below Cal		96
31) Hexachlorobutadiene	8.237	225	270996	4392.22	ng/ml	100
32) 4-Chloro-3-methylphenol	8.632	107	351606	4109.93	ng/ml	98
33) 2-Methylnaphthalene	8.809	142	877955	3819.98	ng/ml	96
34) 1-Methylnaphthalene	8.911	142	809740	3753.48	ng/ml	97
36) Hexachlorocyclopentadiene	8.975	237	284487	4939.24	ng/ml	99
37) 2,4,6-Trichlorophenol	9.087	196	286551	4402.20	ng/ml	97
38) 2,4,5-Trichlorophenol	9.124	198	281418	4401.37	ng/ml	98
39) 1,1'-Biphenyl	9.280	154	996176	3845.50	ng/ml	99
41) 2-Chloronaphthalene	9.306	162	765622	3852.21	ng/ml	96
42) 2-Nitroaniline	9.403	138	258700	4515.62	ng/ml	92
43) 2,6-Dimethylnaphthalene	9.440	156	728975	3864.28	ng/ml	97
44) 1,4-Dinitrobenzene	9.531	168	136292	4375.43	ng/ml	91
45) Dimethyl phthalate	9.584	163	894138	4031.97	ng/ml	98
46) 1,3-Dinitrobenzene	9.617	168	154967	4352.80	ng/ml	94
47) 2,6-Dinitrotoluene	9.643	165	219135	4303.99	ng/ml	90
48) 1,2-Dinitrobenzene	9.707	168	104188	4613.19	ng/ml	84
49) Acenaphthylene	9.729	152	1161710	3766.91	ng/ml	100
50) 3-Nitroaniline	9.820	138	105482	Below Cal		98
51) Acenaphthene	9.911	153	767014	3681.04	ng/ml	98
52) 2,4-Dinitrophenol	9.921	184	98071	4984.91	ng/ml	92
53) 4-Nitrophenol	9.980	139	167465	4228.31	ng/ml	89
54) 2,4-Dinitrotoluene	10.060	165	290214	4502.96	ng/ml	96
55) Dibenzofuran	10.082	168	1089674	3848.88	ng/ml	94
56) 2,3,5,6-Tetrachlorophenol	10.162	232	249569	4619.78	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	10.205	232	247870	4497.26	ng/ml	98
58) Diethyl phthalate	10.301	149	786255	3738.71	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.296	170	648195	3746.45	ng/ml	97
60) Fluorene	10.435	166	836388	3782.09	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.424	204	447464	4089.72	ng/ml	97
62) 4-Nitroaniline	10.446	138	141155	3539.46	ng/ml	89
63) 4,6-Dinitro-2-methylph...	10.478	198	156895	5012.71	ng/ml	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012018.D
 Acq On : 1 May 2020 9:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL8
 Misc : 1x, A20D250@4000
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 11:08:33 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

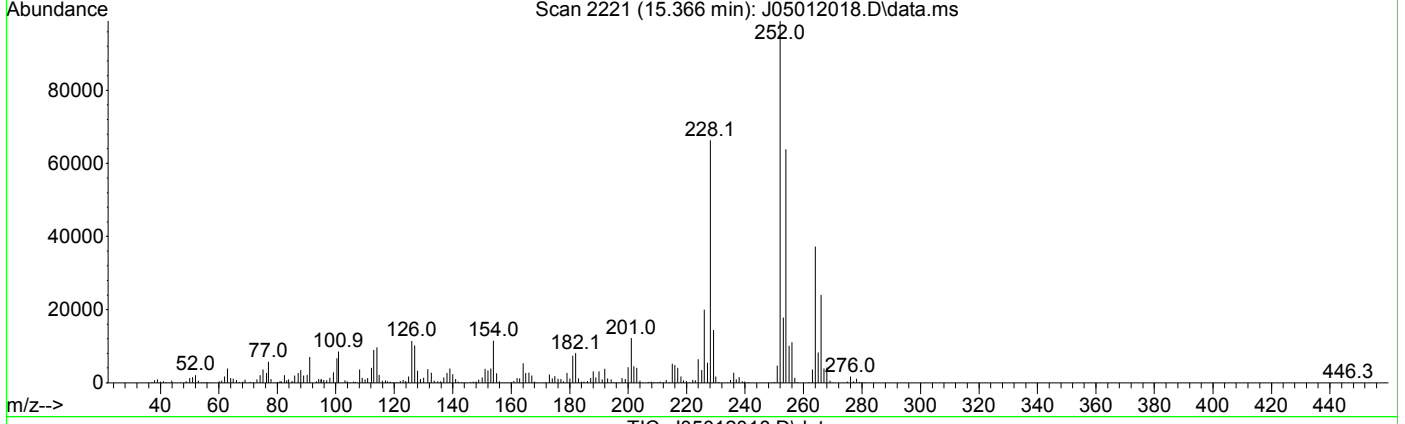
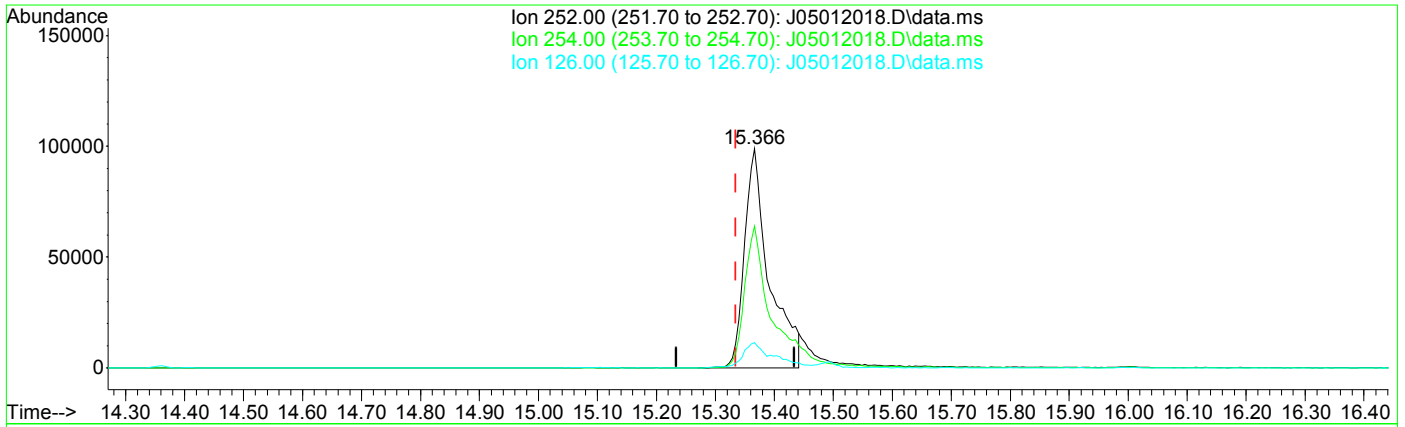
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.547	169	702299	3736.24	ng/ml	99
66) Azobenzene (1,2-DPH)	10.590	77	651181	3690.41	ng/ml	94
68) 4-Bromophenyl phenyl e...	10.927	248	311932	4248.09	ng/ml	97
69) Hexachlorobenzene	11.007	284	362746	3965.80	ng/ml	97
70) Pentachlorophenol (PCP)	11.200	266	211120	4533.98	ng/ml	99
71) Phenanthrene	11.424	178	1281640	3712.89	ng/ml	98
72) Anthracene	11.473	178	1278996	3780.96	ng/ml	98
73) Carbazole	11.628	167	602292	2185.55	ng/ml	99
74) Di-n-butyl phthalate	11.975	149	1394915	3853.46	ng/ml	99
75) Fluoranthene	12.751	202	1505186	4160.35	ng/ml	97
76) Benzidine	12.917	184	1057265	Below Cal		97
77) Pyrene	13.072	202	1501003	4024.54	ng/ml	99
80) Butyl benzyl phthalate	14.174	149	625201	3934.48	ng/ml	93
81) Bis(2-ethylhexyl) adipate	14.361	129	529388	3876.56	ng/ml	98
82) 3,3-Dichlorobenzidine	15.366	252	287308	9221.59	ng/ml	97 See M1
83) Benz(a)anthracene	15.404	228	1395465	4001.10	ng/ml	99
84) Chrysene	15.495	228	1316345	4099.68	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.564	149	831541	4154.15	ng/ml	96
87) Di-n-octyl phthalate	17.254	149	1442635	3894.28	ng/ml	99
88) Benzo(b)fluoranthene	18.035	252	1458700	4053.65	ng/ml	97
89) Benzo(k)fluoranthene	18.110	252	1354141	4234.87	ng/ml	97
90) Benzo(b+k)fluoranthene	18.110	252	2877335	8167.52	ng/ml	97
91) Benzo(e)pyrene	18.709	252	1356699	4107.66	ng/ml	97
92) Benzo(a)pyrene	18.827	252	1212487	4147.34	ng/ml	99
93) Perylene	19.035	252	1175455	4033.48	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.389	276	1288601	3997.76	ng/ml	93
96) Dibenz(a,h)anthracene	21.448	278	1233028	4278.40	ng/ml	91
97) Benzo(g,h,i)perylene	21.934	276	1315312	4106.09	ng/ml	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012018.D
 Acq On : 1 May 2020 9:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL8
 Misc : 1x, A20D250@4000
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 11:08:33 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



(82) 3,3-Dichlorobenzidine (T)

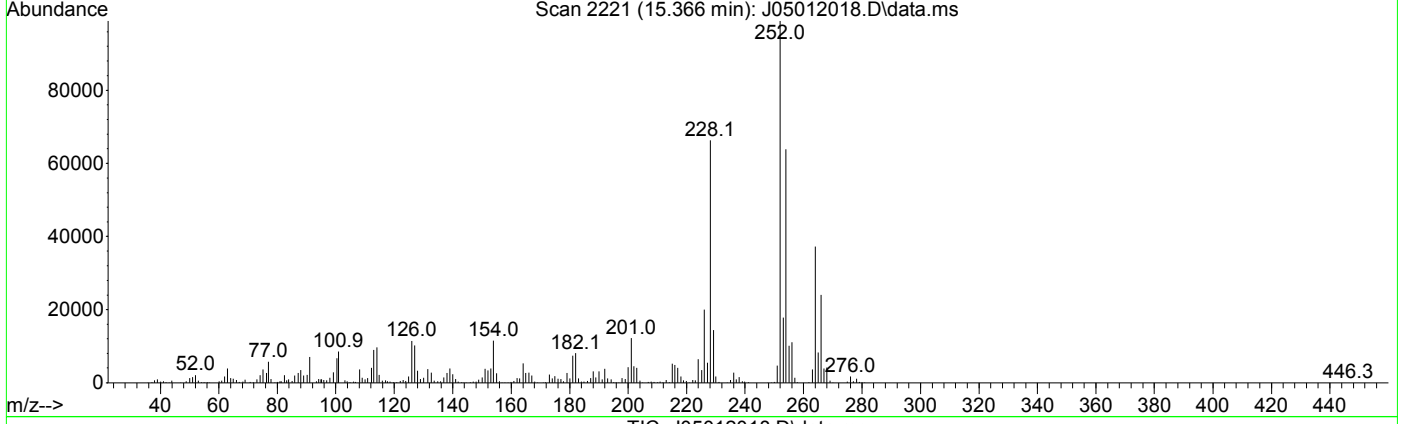
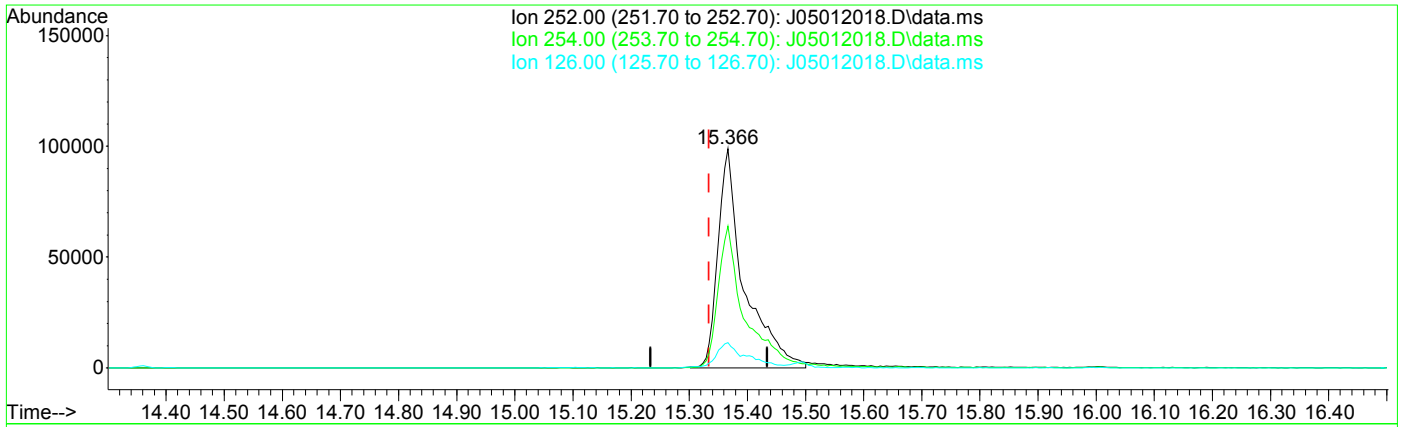
15.366min (+ 0.032) 9221.59 ng/ml

response	227308
Ion	Exp% Act%
252.00	100.00 100.00
254.00	62.60 64.54
126.00	13.30 11.55
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012018.D
 Acq On : 1 May 2020 9:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL8
 Misc : 1x, A20D250@4000
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 11:08:33 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



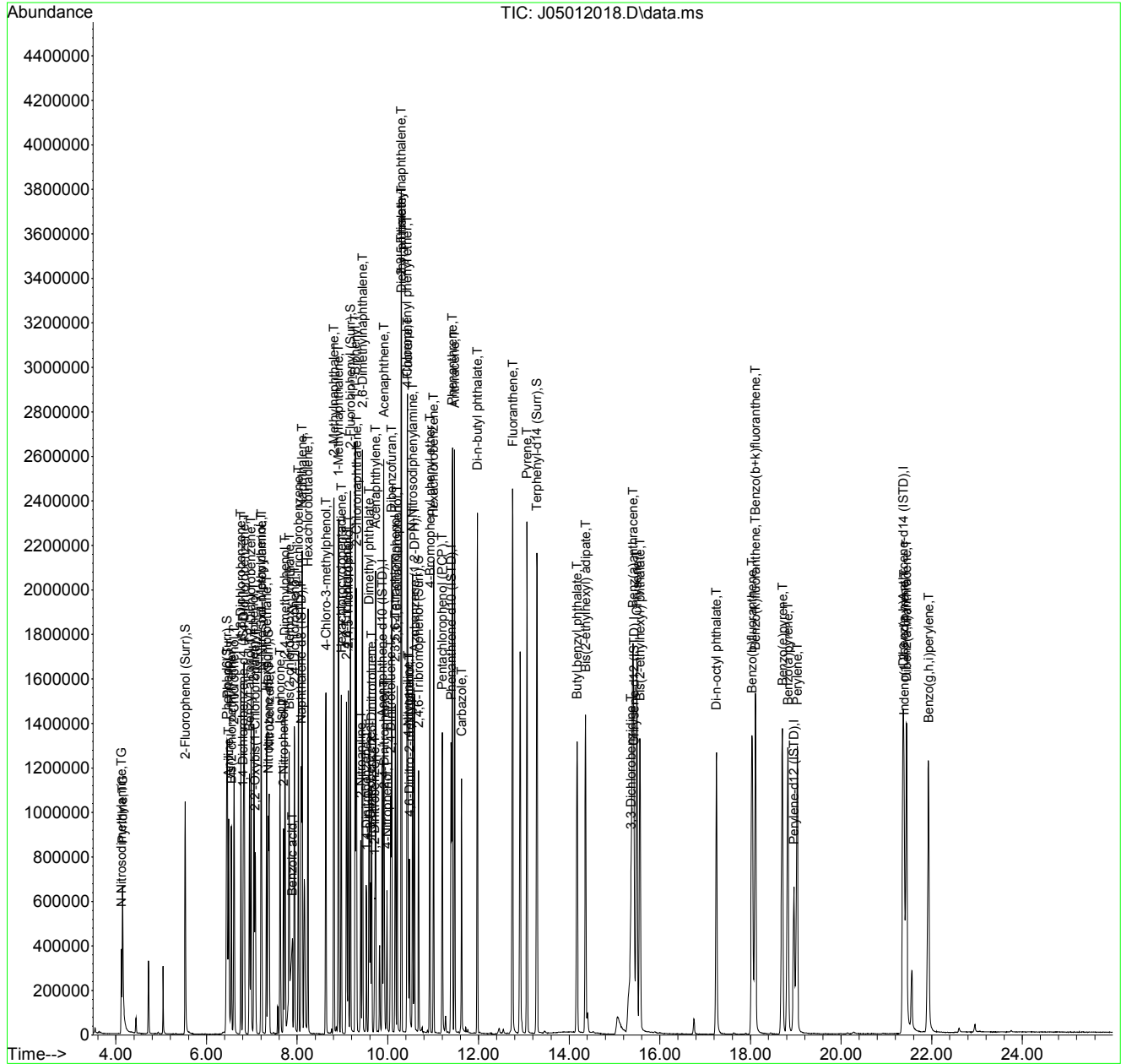
TIC: J05012018.D\data.ms

(82) 3,3-Dichlorobenzidine (T)		
15.366min (+ 0.032)	9848.94 ng/ml m	
response	309410	
Ion	Exp%	Act%
252.00	100.00	100.00
254.00	62.60	64.54
126.00	13.30	11.55
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012018.D
 Acq On : 1 May 2020 9:11 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL8
 Misc : 1x, A20D250@4000
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 04 11:08:33 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012019.D
 Acq On : 1 May 2020 9:46 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL9
 Misc : 1x, A20D251@6000
 ALS Vial : 11 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:09:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4...	6.814	152	165574	2000.00	ng/ml	0.00	
21) Naphthalene-d8 (ISTD)	8.087	136	621657	2000.00	ng/ml	0.00	
35) Acenaphthene-d10 (ISTD)	9.873	162	325974	2000.00	ng/ml	0.00	
64) Phenanthrene-d10 (ISTD)	11.398	188	615884	2000.00	ng/ml	0.00	
78) Chrysene-d12 (ISTD)	15.430	240	555110	2000.00	ng/ml	0.03	
86) Perylene-d12 (ISTD)	18.961	264	556224	2000.00	ng/ml	0.03	
94) Dibenz(a,h)Anthracene-d...	21.378	292	497217	2000.00	ng/ml	0.04	
System Monitoring Compounds							
4) 2-Fluorophenol (Surr)	5.530	112	655827	6564.32	ng/ml	0.00	
5) Phenol-d6(Surr)	6.450	99	739081	6321.57	ng/ml	0.02	
19) Nitrobenzene-d5 (Surr)	7.365	82	567191	6483.68	ng/ml	0.01	
40) 2-Fluorobiphenyl (Surr)	9.178	172	1323459	5443.76	ng/ml	0.01	
67) 2,4,6-Tribromophenol (...)	10.686	330	287674	6287.97	ng/ml	0.02	
79) Terphenyl-d14 (Surr)	13.291	244	1636098	6349.44	ng/ml	0.02	
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	4.118	74	393406	6289.26	ng/ml		87
3) Pyridine	4.139	79	679950	6195.90	ng/ml		96
6) Phenol	6.466	94	767137	6127.83	ng/ml		86
7) Aniline	6.487	93	804680	14359.71	ng/ml		95
8) Bis(2-chloroethyl) ether	6.546	93	610903	4991.99	ng/ml		92
9) 2-Chlorophenol	6.611	128	680218	6293.96	ng/ml		98
10) 1,3-Dichlorobenzene	6.760	146	741627	5634.25	ng/ml		98
11) 1,4-Dichlorobenzene	6.830	146	708159	5429.74	ng/ml		98
12) Benzyl alcohol	6.947	108	393544	5565.93	ng/ml		90
13) 1,2-Dichlorobenzene	6.985	146	679700	5330.37	ng/ml		97
14) 2-Methylphenol	7.049	107	459315	5759.11	ng/ml		98
15) 2,2'-Oxybis(1-Chloropr...	7.076	45	433983	5201.84	ng/ml		93
16) N-Nitrosodi-n-propylamine	7.220	70	347925	5696.07	ng/ml		99
17) 3+4-Methylphenol	7.210	107	564140	5838.61	ng/ml		95
18) Hexachloroethane	7.322	201	275750	6490.12	ng/ml		93
20) Nitrobenzene	7.386	77	538665	6241.91	ng/ml		99
22) Isophorone	7.627	82	1085451	6142.73	ng/ml		98
23) 2-Nitrophenol	7.702	139	359445	6098.48	ng/ml		89
24) 2,4-Dimethylphenol	7.739	122	496307	5822.00	ng/ml		94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012019.D
 Acq On : 1 May 2020 9:46 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL9
 Misc : 1x, A20D251@6000
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 11:09:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.825	93	615100	5337.08	ng/ml	99
26) Benzoic acid	7.739	105	17257	1186.11	ng/ml	#See MI1
27) 2,4-Dichlorophenol	7.942	162	541260	6030.55	ng/ml	99
28) 1,2,4-Trichlorobenzene	8.028	180	598290	5570.42	ng/ml	97
29) Naphthalene	8.113	128	1645822	5106.39	ng/ml	98
30) 4-Chloroaniline	8.162	127	557000	Below Cal		95
31) Hexachlorobutadiene	8.237	225	385170	6381.77	ng/ml	99
32) 4-Chloro-3-methylphenol	8.632	107	501798	5878.63	ng/ml	96
33) 2-Methylnaphthalene	8.809	142	1210517	5384.28	ng/ml	96
34) 1-Methylnaphthalene	8.910	142	1107064	5246.01	ng/ml	96
36) Hexachlorocyclopentadiene	8.975	237	412390	6841.09	ng/ml	98
37) 2,4,6-Trichlorophenol	9.092	196	411313	6149.81	ng/ml	97
38) 2,4,5-Trichlorophenol	9.130	198	405084	6281.80	ng/ml	97
39) 1,1'-Biphenyl	9.280	154	1359592	5173.74	ng/ml	99
41) 2-Chloronaphthalene	9.306	162	1059335	5254.22	ng/ml	94
42) 2-Nitroaniline	9.408	138	382203	6576.49	ng/ml	93
43) 2,6-Dimethylnaphthalene	9.445	156	1003034	5241.45	ng/ml	96
44) 1,4-Dinitrobenzene	9.536	168	205994	6168.33	ng/ml	90
45) Dimethyl phthalate	9.595	163	1257398	5589.39	ng/ml	99
46) 1,3-Dinitrobenzene	9.622	168	223699	6095.05	ng/ml	95
47) 2,6-Dinitrotoluene	9.649	165	313636	6075.74	ng/ml	90
48) 1,2-Dinitrobenzene	9.718	168	149729	6535.35	ng/ml	88
49) Acenaphthylene	9.734	152	1585324	5067.39	ng/ml	99
50) 3-Nitroaniline	9.825	138	134645	Below Cal		98
51) Acenaphthene	9.911	153	1076553	5093.10	ng/ml	100
52) 2,4-Dinitrophenol	9.927	184	158485	6679.51	ng/ml	94
53) 4-Nitrophenol	9.986	139	244656	5860.77	ng/ml	85
54) 2,4-Dinitrotoluene	10.066	165	409733	6245.23	ng/ml	95
55) Dibenzofuran	10.087	168	1509514	5255.98	ng/ml	93
56) 2,3,5,6-Tetrachlorophenol	10.162	232	362239	6271.03	ng/ml	98
57) 2,3,4,6-Tetrachlorophenol	10.210	232	358335	6232.65	ng/ml	97
58) Diethyl phthalate	10.306	149	1028926	4823.05	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	10.296	170	895832	5104.11	ng/ml	96
60) Fluorene	10.440	166	1143948	5099.29	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.424	204	631834	5692.69	ng/ml	96
62) 4-Nitroaniline	10.456	138	203041	5018.85	ng/ml	92
63) 4,6-Dinitro-2-methylph...	10.488	198	232609	6581.49	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012019.D
 Acq On : 1 May 2020 9:46 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL9
 Misc : 1x, A20D251@6000
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 11:09:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

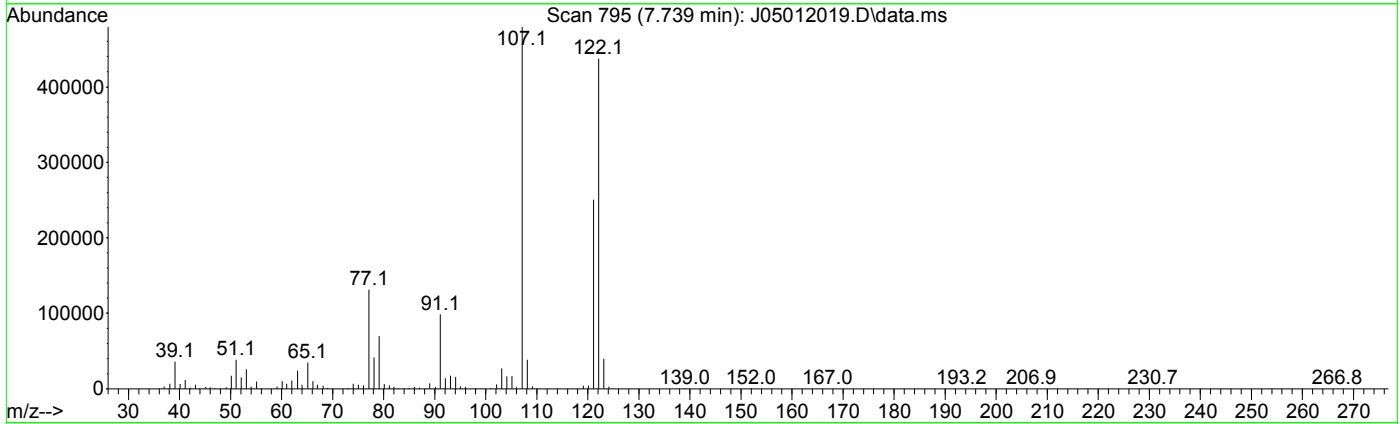
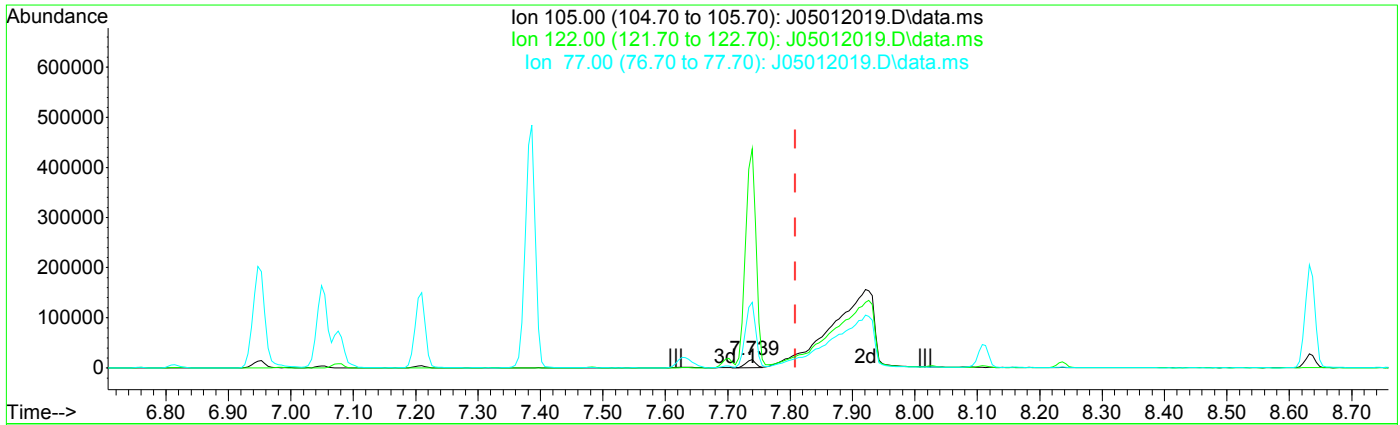
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.552	169	942017	5100.49	ng/ml	99
66) Azobenzene (1,2-DPH)	10.590	77	888474	5124.57	ng/ml	94
68) 4-Bromophenyl phenyl e...	10.927	248	451078	6252.09	ng/ml	99
69) Hexachlorobenzene	11.012	284	517399	5756.97	ng/ml	97
70) Pentachlorophenol (PCP)	11.200	266	312170	6317.70	ng/ml	99
71) Phenanthrene	11.424	178	1749249	5157.48	ng/ml	98
72) Anthracene	11.478	178	1732004	5211.00	ng/ml	98
73) Carbazole	11.628	167	685341	2531.04	ng/ml	99
74) Di-n-butyl phthalate	11.975	149	1828582	5141.11	ng/ml	98
75) Fluoranthene	12.756	202	2010843	5656.62	ng/ml	95
76) Benzidine	12.922	184	1394496	Below Cal		97
77) Pyrene	13.072	202	2033824	5549.93	ng/ml	98
80) Butyl benzyl phthalate	14.174	149	839217	5697.77	ng/ml	92
81) Bis(2-ethylhexyl) adipate	14.361	129	700244	5565.92	ng/ml	98
82) 3,3-Dichlorobenzidine	15.372	252	347008	11922.66	ng/ml	See MI 98
83) Benz(a)anthracene	15.409	228	1868254	5952.76	ng/ml	100
84) Chrysene	15.495	228	1740049	6022.32	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.564	149	1106114	6140.73	ng/ml	95
87) Di-n-octyl phthalate	17.254	149	1961816	5747.45	ng/ml	99
88) Benzo(b)fluoranthene	18.046	252	1988669	5804.57	ng/ml	97
89) Benzo(k)fluoranthene	18.121	252	1807757	6444.06	ng/ml	97
90) Benzo(b+k)fluoranthene	18.121	252	3883230	11954.40	ng/ml	97
91) Benzo(e)pyrene	18.714	252	1792904	5872.49	ng/ml	98
92) Benzo(a)pyrene	18.832	252	1628683	5938.59	ng/ml	99
93) Perylene	19.035	252	1575409	5918.87	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.394	276	1822387	6191.30	ng/ml	91
96) Dibenz(a,h)anthracene	21.453	278	1647572	6260.32	ng/ml	92
97) Benzo(g,h,i)perylene	21.940	276	1758939	6067.80	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012019.D
 Acq On : 1 May 2020 9:46 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL9
 Misc : 1x, A20D251@6000
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 11:09:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



TIC: J05012019.D\data.ms

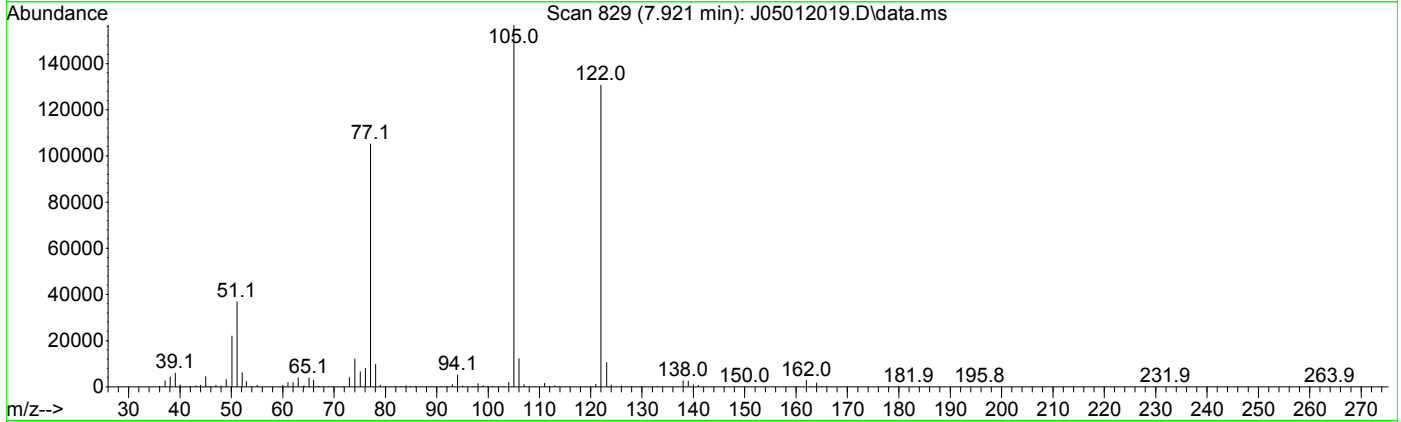
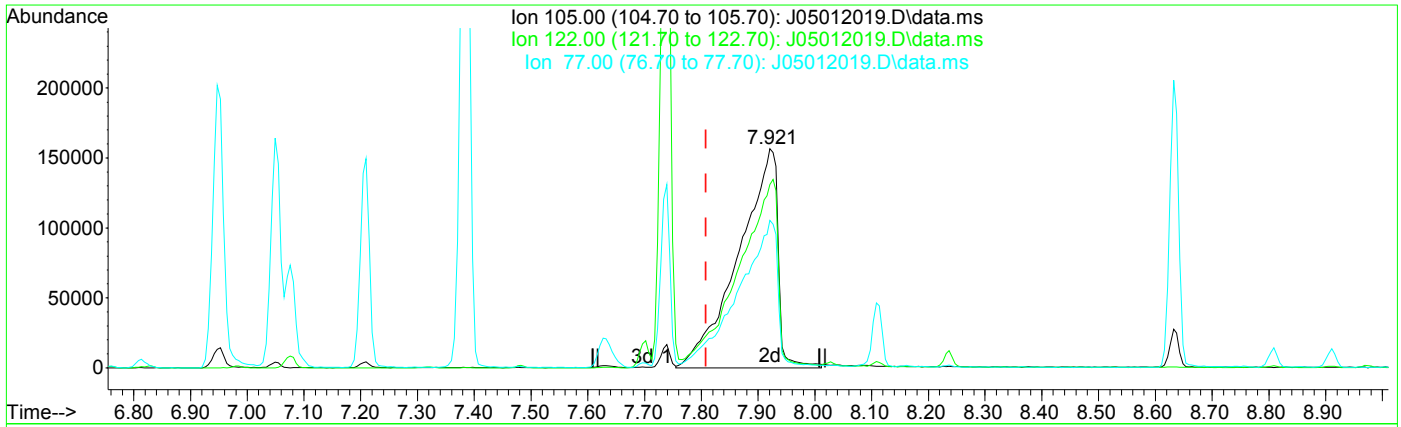
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	2637.72#
77.00	61.50	790.74#
0.00	0.00	0.00

(26) Benzoic acid (T)
 7.739min (-0.070) 1186.11 ng/ml
 response 17257

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012019.D
 Acq On : 1 May 2020 9:46 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL9
 Misc : 1x, A20D251@6000
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 11:09:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



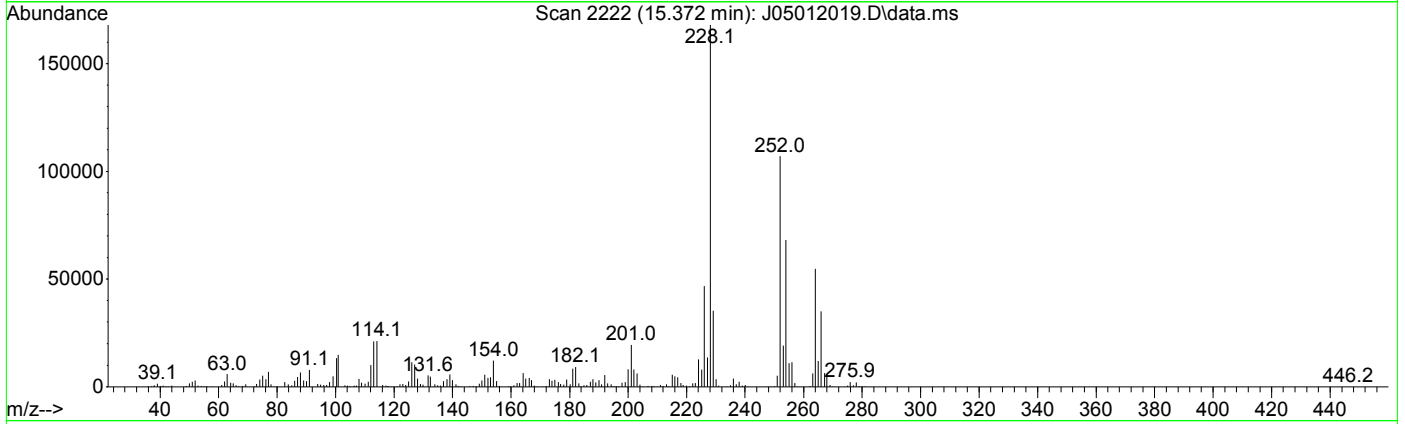
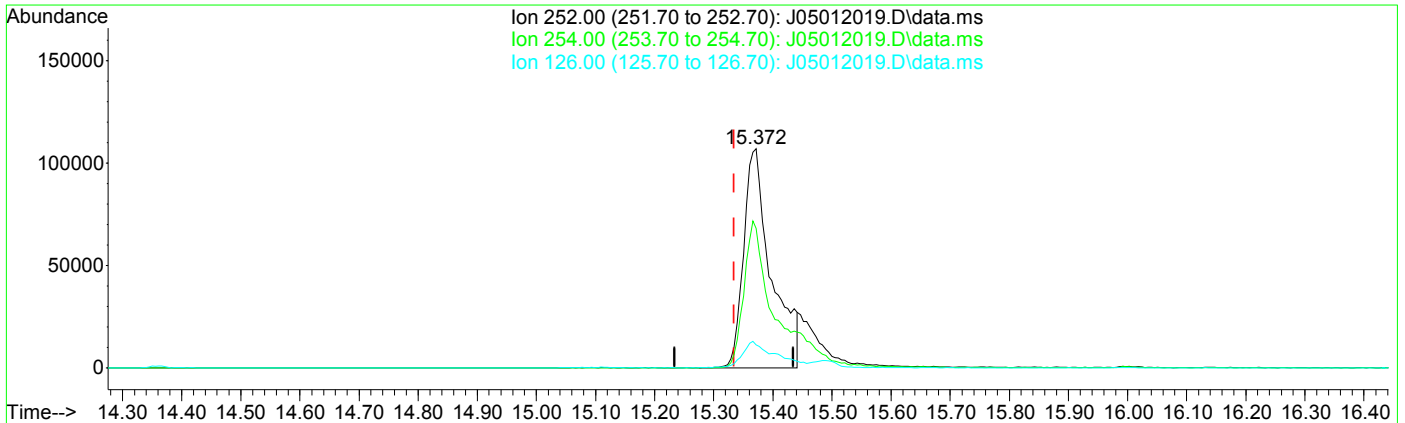
TIC: J05012019.D\data.ms

(26) Benzoic acid (T)		
7.921min (+ 0.112)	12136.56 ng/ml	m
response	754829	
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	83.55
77.00	61.50	67.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012019.D
 Acq On : 1 May 2020 9:46 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL9
 Misc : 1x, A20D251@6000
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 11:09:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



(82) 3,3-Dichlorobenzidine (T)

15.372min (+ 0.037) 11922.66 ng/ml

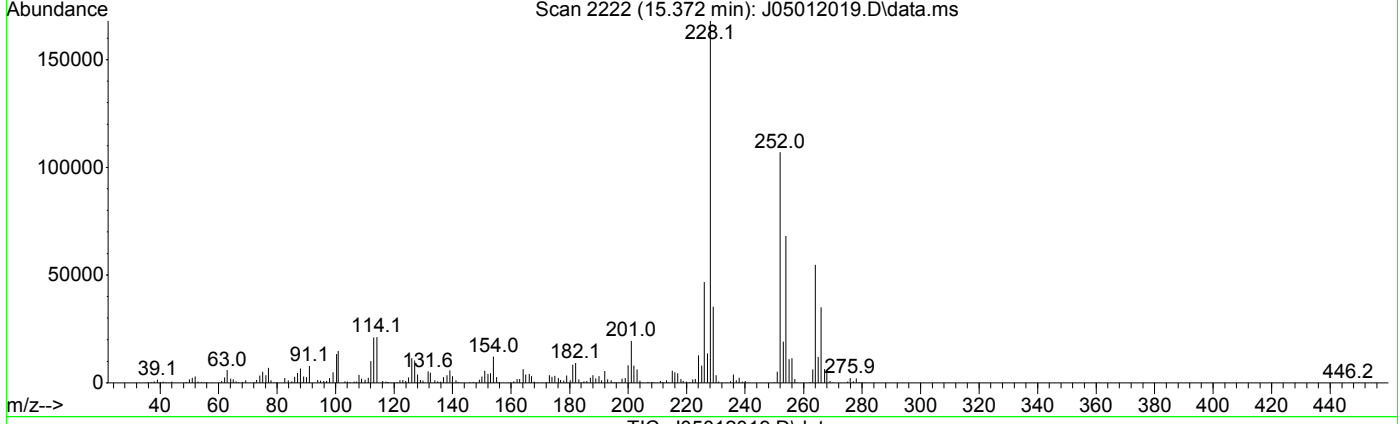
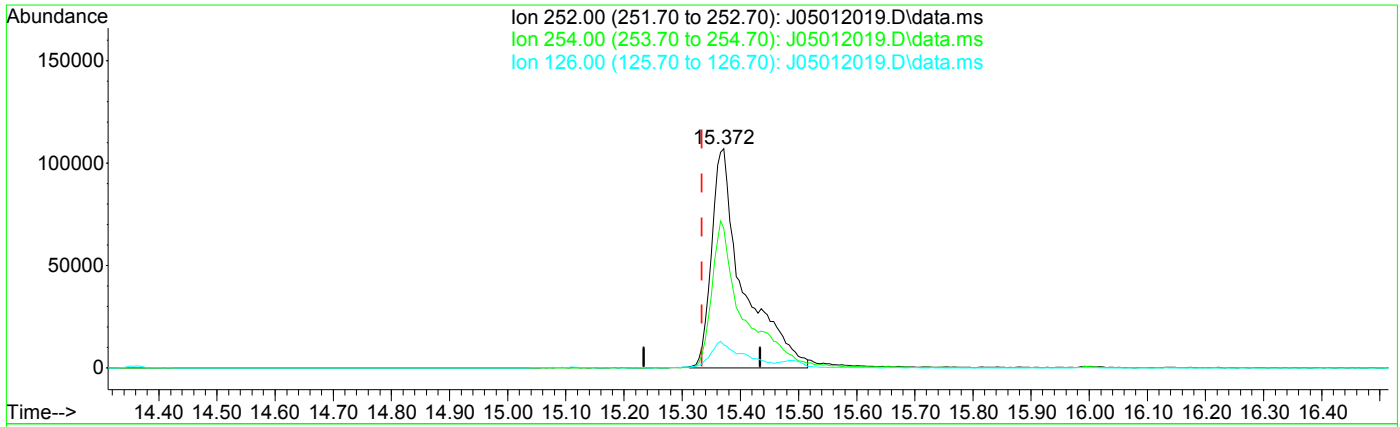
response 347008

Ion	Exp%	Act%
252.00	100.00	100.00
254.00	62.60	63.63
126.00	13.30	10.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012019.D
 Acq On : 1 May 2020 9:46 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL9
 Misc : 1x, A20D251@6000
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 11:09:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
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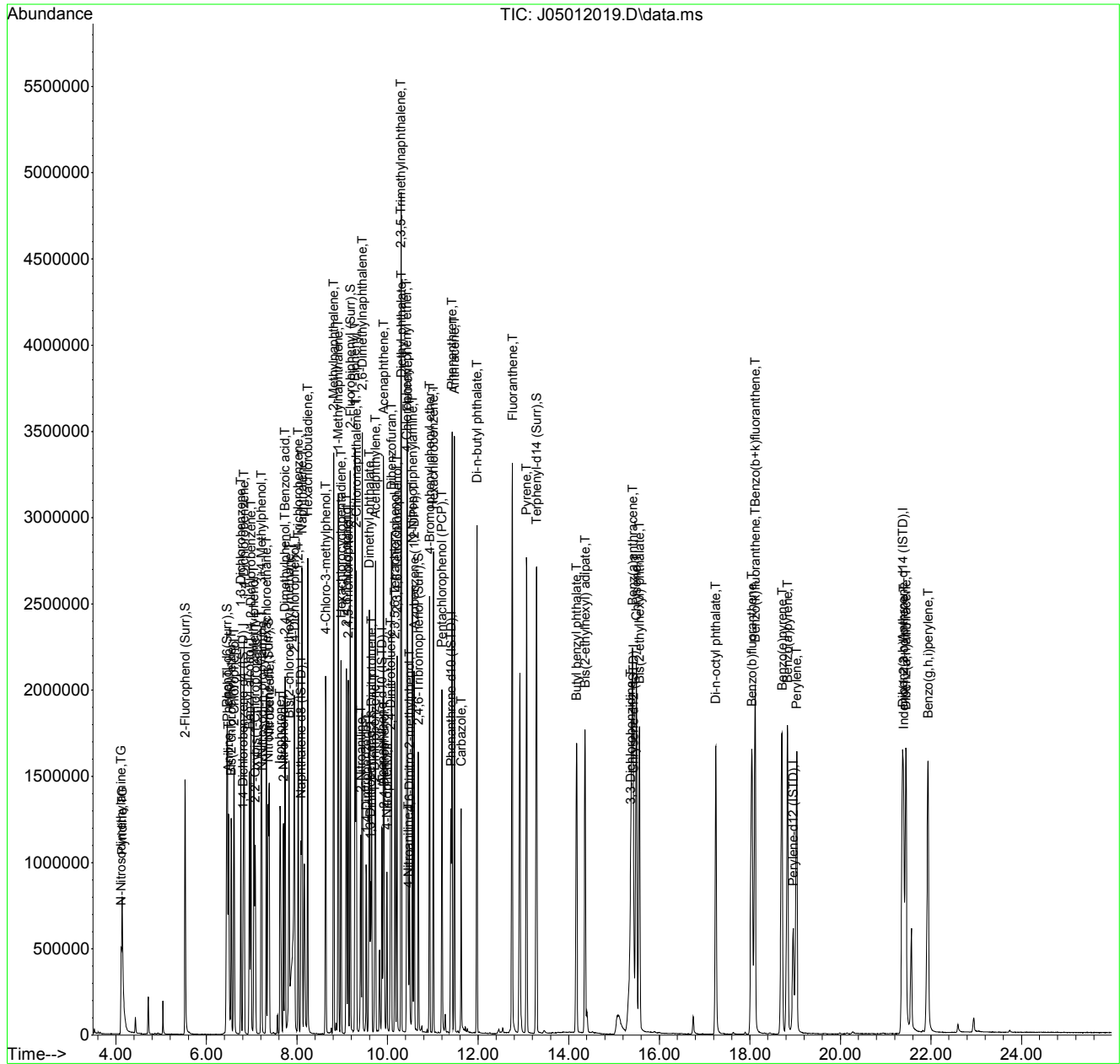
(82) 3,3-Dichlorobenzidine (T)

15.372min (+ 0.037)	13598.23 ng/ml	m
response	405603	
Ion	Exp%	Act%
252.00	100.00	100.00
254.00	62.60	63.63
126.00	13.30	10.54
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012019.D
 Acq On : 1 May 2020 9:46 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CAL9
 Misc : 1x, A20D251@6000
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 11:09:20 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
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Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012020.D
 Acq On : 1 May 2020 10:21 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CALA
 Misc : 1x, A20D252@8000
 ALS Vial : 12 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:10:21 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) 1,4-Dichlorobenzene-d4...	6.814	152	163128	2000.00	ng/ml	0.00	
21) Naphthalene-d8 (ISTD)	8.087	136	607439	2000.00	ng/ml	0.00	
35) Acenaphthene-d10 (ISTD)	9.878	162	313797	2000.00	ng/ml	0.01	
64) Phenanthrene-d10 (ISTD)	11.397	188	618950	2000.00	ng/ml	0.00	
78) Chrysene-d12 (ISTD)	15.436	240	579608	2000.00	ng/ml	0.03	
86) Perylene-d12 (ISTD)	18.966	264	589023	2000.00	ng/ml	0.04	
94) Dibenz(a,h)Anthrcene-d...	21.383	292	540731	2000.00	ng/ml	0.05	
System Monitoring Compounds							
4) 2-Fluorophenol (Surr)	5.530	112	828011	8412.02	ng/ml	0.00	
5) Phenol-d6(Surr)	6.455	99	948776	8236.83	ng/ml	0.02	
19) Nitrobenzene-d5 (Surr)	7.365	82	719111	8343.57	ng/ml	0.01	
40) 2-Fluorobiphenyl (Surr)	9.178	172	1596212	6820.45	ng/ml	0.01	
67) 2,4,6-Tribromophenol (...)	10.686	330	380681	7931.48	ng/ml	0.02	
79) Terphenyl-d14 (Surr)	13.291	244	2208764	8209.57	ng/ml	0.02	
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	4.129	74	504946	8193.45	ng/ml		88
3) Pyridine	4.150	79	871278	7871.09	ng/ml		94
6) Phenol	6.471	94	974066	7897.43	ng/ml		80
7) Aniline	6.493	93	1093109	Below Cal			96
8) Bis(2-chloroethyl) ether	6.552	93	743153	6163.72	ng/ml		93
9) 2-Chlorophenol	6.610	128	858273	8060.56	ng/ml		98
10) 1,3-Dichlorobenzene	6.760	146	947173	7303.71	ng/ml		97
11) 1,4-Dichlorobenzene	6.830	146	913373	7108.20	ng/ml		98
12) Benzyl alcohol	6.958	108	519355	7398.29	ng/ml		93
13) 1,2-Dichlorobenzene	6.985	146	864319	6879.83	ng/ml		96
14) 2-Methylphenol	7.054	107	577925	7354.95	ng/ml		98
15) 2,2'-Oxybis(1-Chloropr...	7.076	45	548150	6668.80	ng/ml		92
16) N-Nitrosodi-n-propylamine	7.226	70	442984	7361.08	ng/ml		100
17) 3+4-Methylphenol	7.215	107	709231	7450.30	ng/ml		95
18) Hexachloroethane	7.322	201	359667	8592.14	ng/ml		92
20) Nitrobenzene	7.386	77	675628	7946.39	ng/ml		97
22) Isophorone	7.637	82	1387142	8033.78	ng/ml		99
23) 2-Nitrophenol	7.702	139	470113	7831.35	ng/ml		89
24) 2,4-Dimethylphenol	7.744	122	624108	7492.55	ng/ml		93

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012020.D
 Acq On : 1 May 2020 10:21 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CALA
 Misc : 1x, A20D252@8000
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 11:10:21 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.830	93	762034	6766.75	ng/ml	99
26) Benzoic acid	7.744	105	20847	1265.82	ng/ml	99 #See Mh
27) 2,4-Dichlorophenol	7.948	162	670509	7628.29	ng/ml	99
28) 1,2,4-Trichlorobenzene	8.028	180	760344	7244.94	ng/ml	96
29) Naphthalene	8.113	128	2025811	6432.47	ng/ml	97
30) 4-Chloroaniline	8.162	127	713100	Below Cal		96
31) Hexachlorobutadiene	8.236	225	495957	8409.71	ng/ml	99
32) 4-Chloro-3-methylphenol	8.638	107	629786	7428.31	ng/ml	98
33) 2-Methylnaphthalene	8.809	142	1471994	6700.56	ng/ml	96
34) 1-Methylnaphthalene	8.910	142	1344642	6520.96	ng/ml	96
36) Hexachlorocyclopentadiene	8.975	237	536854	8948.72	ng/ml	98
37) 2,4,6-Trichlorophenol	9.092	196	526956	8079.00	ng/ml	98
38) 2,4,5-Trichlorophenol	9.130	198	495222	8028.28	ng/ml	97
39) 1,1'-Biphenyl	9.285	154	1633908	6458.88	ng/ml	99
41) 2-Chloronaphthalene	9.312	162	1278066	6585.10	ng/ml	94
42) 2-Nitroaniline	9.413	138	490776	8772.38	ng/ml	94
43) 2,6-Dimethylnaphthalene	9.445	156	1220442	6625.02	ng/ml	95
44) 1,4-Dinitrobenzene	9.536	168	267475	7917.22	ng/ml	96
45) Dimethyl phthalate	9.600	163	1572205	7259.97	ng/ml	97
46) 1,3-Dinitrobenzene	9.627	168	290499	8090.61	ng/ml	94
47) 2,6-Dinitrotoluene	9.654	165	393388	7928.13	ng/ml	90
48) 1,2-Dinitrobenzene	9.723	168	187132	8484.87	ng/ml	84
49) Acenaphthylene	9.734	152	1874093	6222.88	ng/ml	99
50) 3-Nitroaniline	9.830	138	210733	Below Cal		95
51) Acenaphthene	9.916	153	1314111	6458.22	ng/ml	99
52) 2,4-Dinitrophenol	9.932	184	222605	8401.95	ng/ml	93
53) 4-Nitrophenol	9.996	139	328927	7847.04	ng/ml	86
54) 2,4-Dinitrotoluene	10.071	165	528085	8343.21	ng/ml	94
55) Dibenzofuran	10.087	168	1853746	6705.04	ng/ml	92
56) 2,3,5,6-Tetrachlorophenol	10.167	232	473333	8068.59	ng/ml	99
57) 2,3,4,6-Tetrachlorophenol	10.210	232	465875	8173.72	ng/ml	98
58) Diethyl phthalate	10.312	149	1270464	6186.35	ng/ml	95
59) 2,3,5-Trimethylnaphtha...	10.301	170	1081008	6398.18	ng/ml	96
60) Fluorene	10.440	166	1419760	6574.34	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.429	204	801674	7503.20	ng/ml	98
62) 4-Nitroaniline	10.461	138	273695	7027.83	ng/ml	88
63) 4,6-Dinitro-2-methylph...	10.494	198	306192	8171.33	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012020.D
 Acq On : 1 May 2020 10:21 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CALA
 Misc : 1x, A20D252@8000
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 11:10:21 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

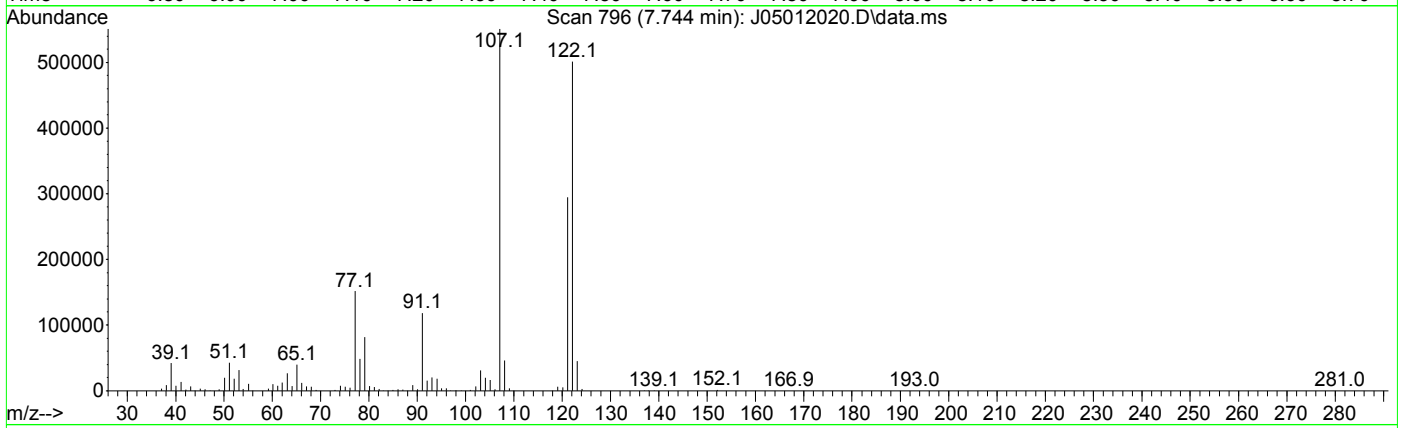
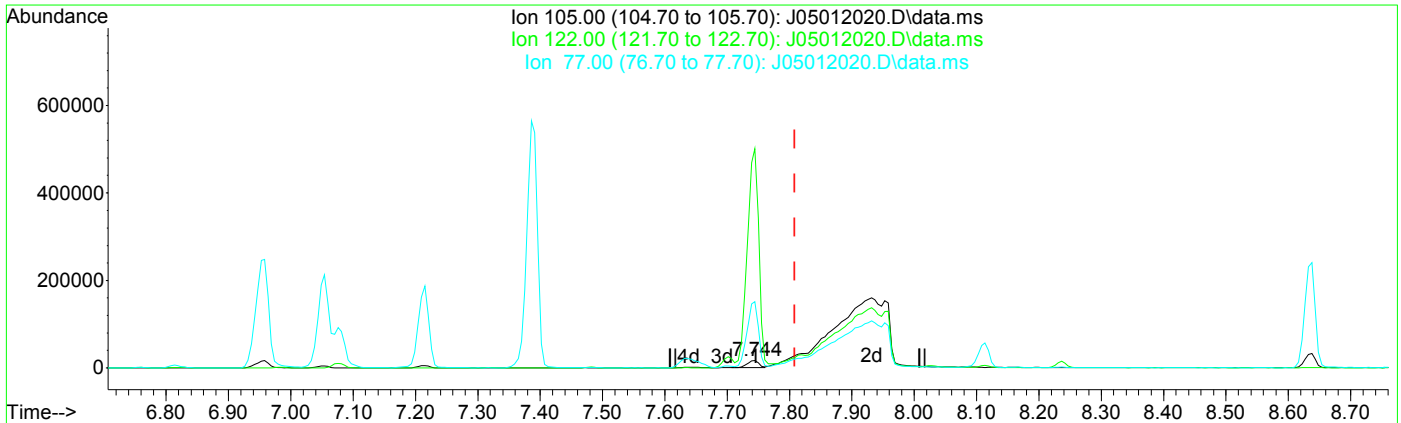
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.552	169	1205586	6495.23	ng/ml	99
66) Azobenzene (1,2-DPH)	10.595	77	1110225	6371.87	ng/ml	89
68) 4-Bromophenyl phenyl e...	10.932	248	588449	8115.69	ng/ml	96
69) Hexachlorobenzene	11.012	284	672890	7449.99	ng/ml	98
70) Pentachlorophenol (PCP)	11.205	266	425010	8008.52	ng/ml	99
71) Phenanthrene	11.424	178	2205671	6470.98	ng/ml	97
72) Anthracene	11.483	178	2197141	6577.70	ng/ml	97
73) Carbazole	11.627	167	1042183	3829.83	ng/ml	98
74) Di-n-butyl phthalate	11.975	149	2399103	6711.74	ng/ml	98
75) Fluoranthene	12.761	202	2637205	7381.87	ng/ml	94
76) Benzidine	12.927	184	2171552	Below Cal		97
77) Pyrene	13.077	202	2616481	7104.52	ng/ml	97
80) Butyl benzyl phthalate	14.179	149	1186472	7506.20	ng/ml	94
81) Bis(2-ethylhexyl) adipate	14.366	129	982873	7321.01	ng/ml	97
82) 3,3-Dichlorobenzidine	15.377	252	456014	14457.08	ng/ml	See M197
83) Benz(a)anthracene	15.414	228	2560645	7814.06	ng/ml	98
84) Chrysene	15.505	228	2318563	7685.39	ng/ml	98
85) Bis(2-ethylhexyl) phth...	15.569	149	1495426	7951.15	ng/ml	95
87) Di-n-octyl phthalate	17.260	149	2730088	7509.37	ng/ml	97
88) Benzo(b)fluoranthene	18.062	252	2786424	7406.47	ng/ml	97
89) Benzo(k)fluoranthene	18.131	252	2426885	8497.15	ng/ml	96
90) Benzo(b+k)fluoranthene	18.131	252	5326709	15358.90	ng/ml	96
91) Benzo(e)pyrene	18.725	252	2485374	7600.53	ng/ml	97
92) Benzo(a)pyrene	18.848	252	2233306	7517.34	ng/ml	99
93) Perylene	19.051	252	2173662	7711.78	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.405	276	2652583	8286.57	ng/ml	92
96) Dibenz(a,h)anthracene	21.464	278	2315467	8090.12	ng/ml	92
97) Benzo(g,h,i)perylene	21.956	276	2433679	7784.16	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012020.D
 Acq On : 1 May 2020 10:21 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CALA
 Misc : 1x, A20D252@8000
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 11:10:21 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



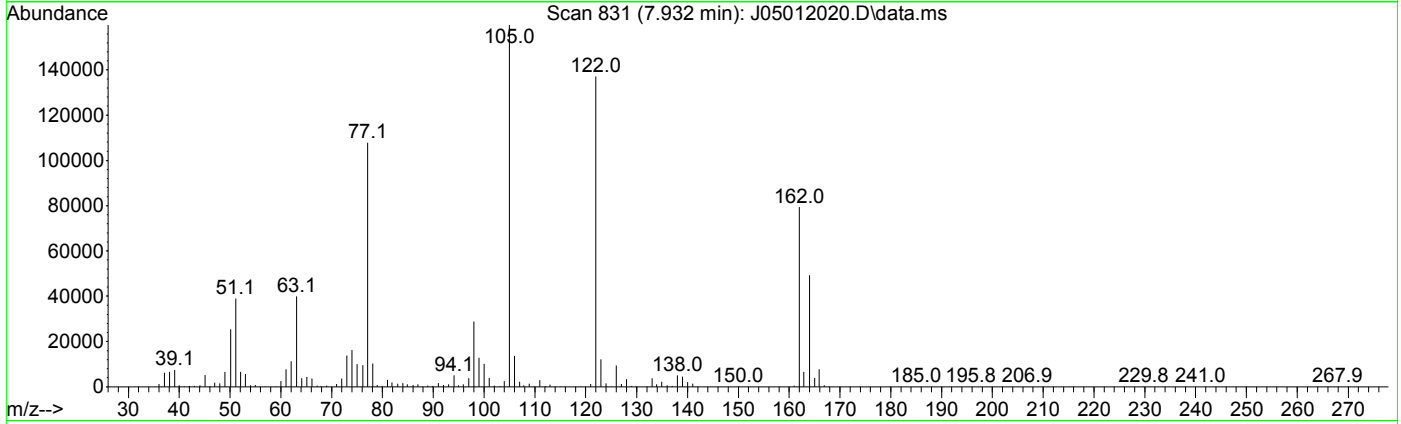
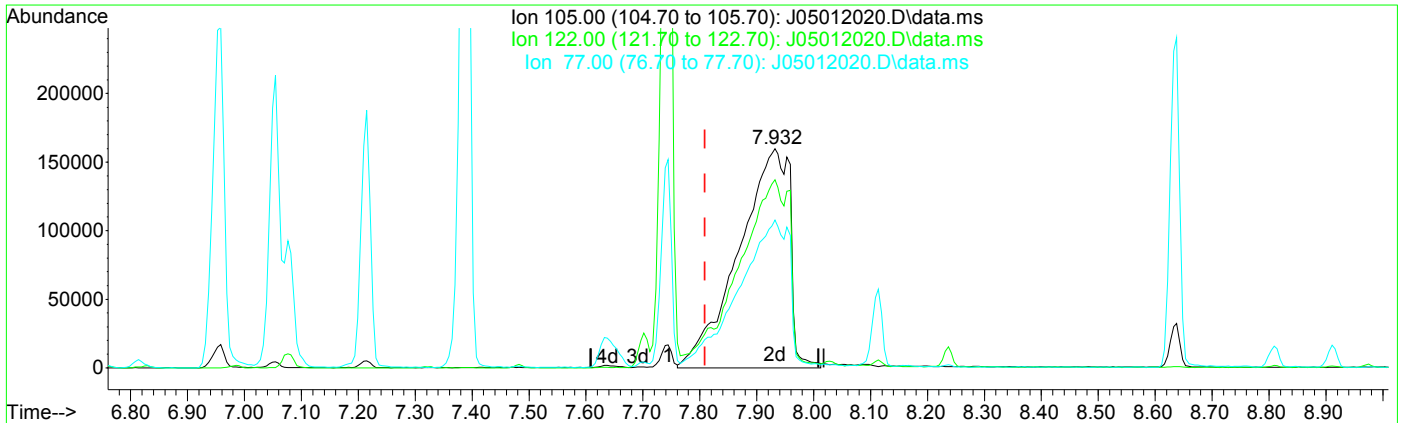
(26) Benzoic acid (T)
 7.744min (-0.064) 1265.82 ng/ml
 response 20847

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	3008.35#
77.00	61.50	910.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012020.D
 Acq On : 1 May 2020 10:21 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CALA
 Misc : 1x, A20D252@8000
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 11:10:21 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
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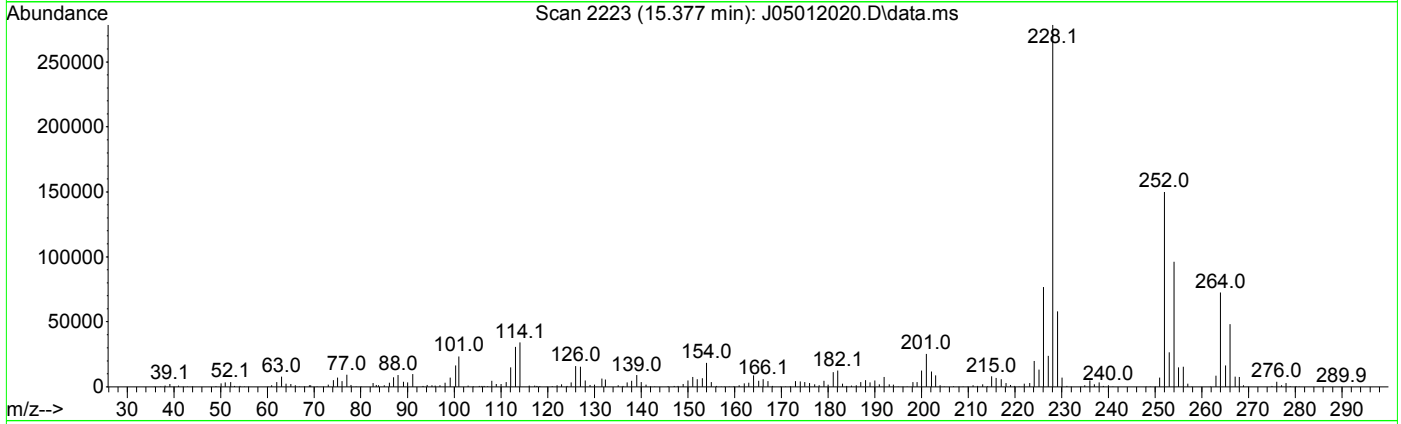
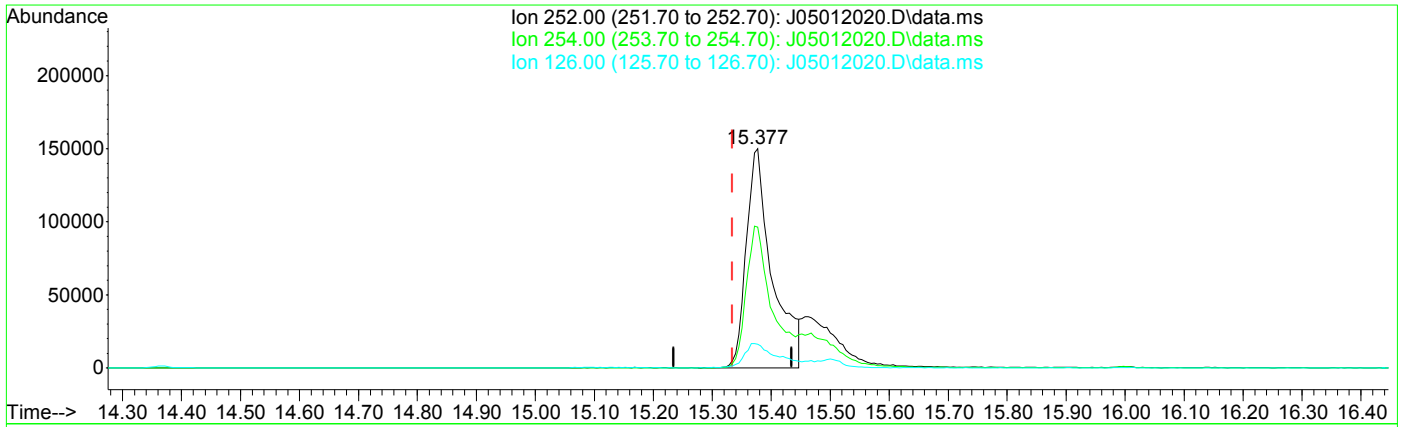
TIC: J05012020.D\data.ms

(26) Benzoic acid (T)		
7.932min (+ 0.123)	15095.28 ng/ml	m
response	992195	
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	85.78
77.00	61.50	67.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012020.D
 Acq On : 1 May 2020 10:21 pm
 Operator : JK/ AMS/ DTH
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TIC: J05012020.D\data.ms

(82) ~~3,3-Dichlorobenzidine (T)~~

15.377min (+ 0.043) 14457.08 ng/ml

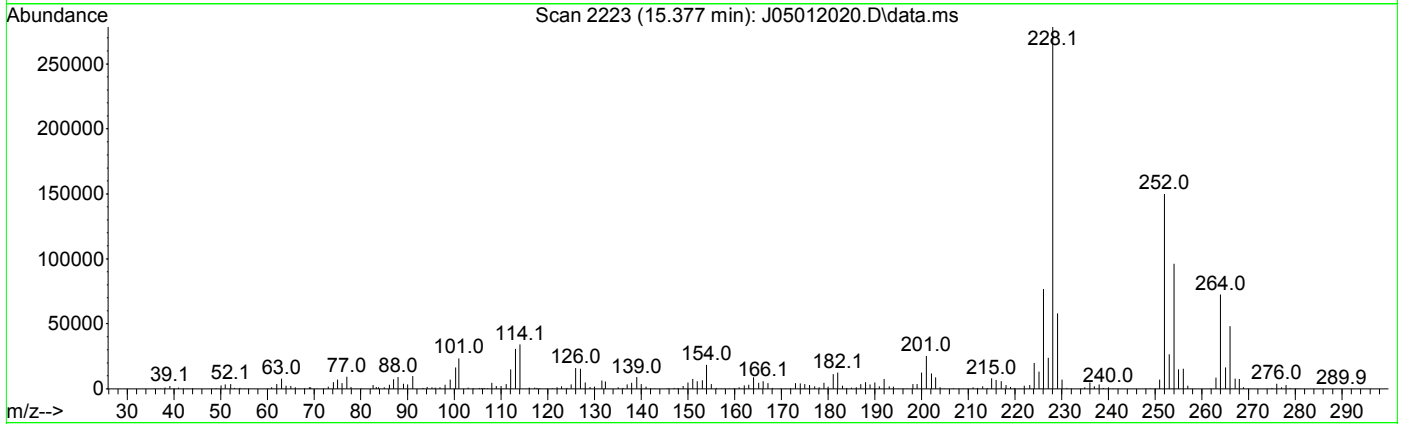
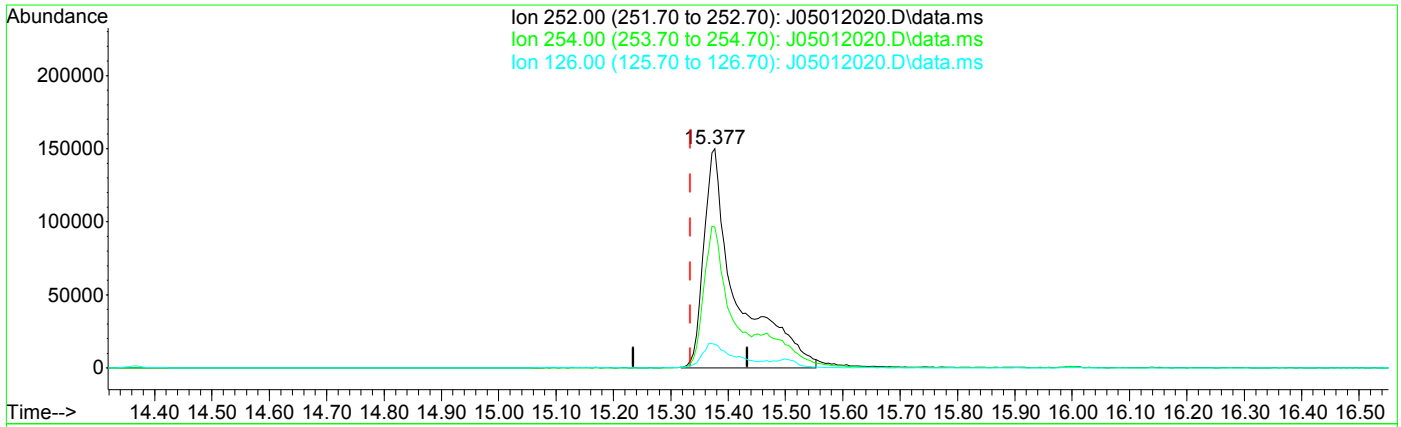
response 456014

Ion	Exp%	Act%
252.00	100.00	100.00
254.00	62.60	64.19
126.00	13.30	10.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012020.D
 Acq On : 1 May 2020 10:21 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CALA
 Misc : 1x, A20D252@8000
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 11:10:21 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



TIC: J05012020.D\data.ms

(82) 3,3-Dichlorobenzidine (T)

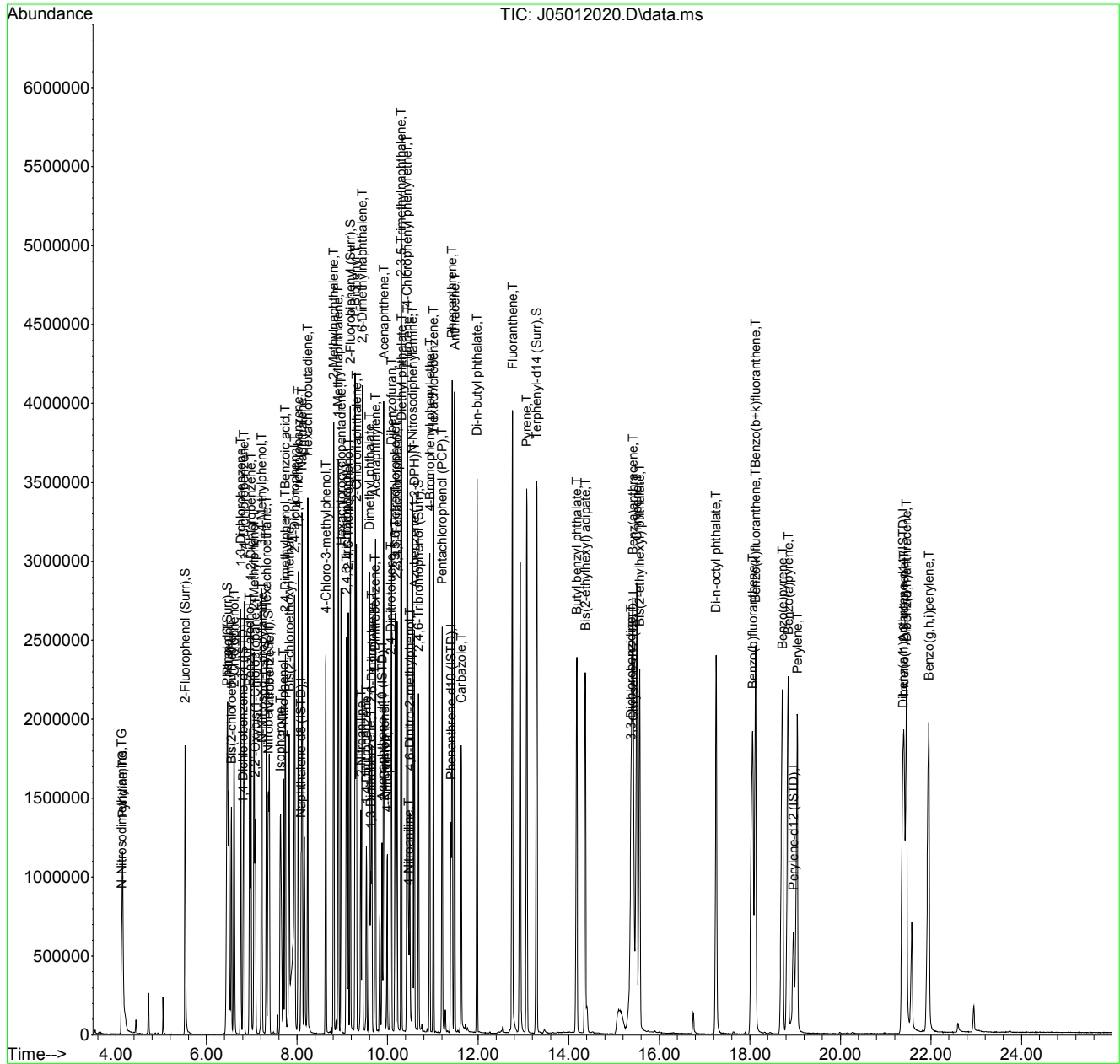
15.377min (+ 0.043) 17953.88 ng/ml m

response	596438
Ion	Exp% Act%
252.00	100.00 100.00
254.00	62.60 64.19
126.00	13.30 10.70
0.00	0.00 0.00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012020.D
 Acq On : 1 May 2020 10:21 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-CALA
 Misc : 1x, A20D252@8000
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 11:10:21 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 04 11:11:25 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	180023	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	696290	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.873	162	360502	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	649765	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.420	240	633809	2000.00	ng/ml	0.02
86) Perylene-d12 (ISTD)	18.950	264	601034	2000.00	ng/ml	0.02
94) Dibenz(a,h)Anthrcene-d...	21.351	292	505867	2000.00	ng/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.525	112	119165	1097.02	ng/ml	0.00
5) Phenol-d6(Surr)	6.434	99	147152	1157.61	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.354	82	116417	1223.98	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.172	172	300880	1119.07	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.675	330	51397	1249.76	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.280	244	323981	1101.20	ng/ml	0.01
Target Compounds						
2) N-Nitrosodimethylamine	4.097	74	71767 ^m	1055.23	ng/ml	Qvalue
3) Pyridine	4.129	79	109455	997.03	ng/ml	95
6) Phenol	6.445	94	164407	1207.86	ng/ml	91
7) Aniline	6.477	93	142428	1663.59	ng/ml	96
8) Bis(2-chloroethyl) ether	6.536	93	134293	1009.30	ng/ml	95
9) 2-Chlorophenol	6.600	128	136512	1161.75	ng/ml	98
10) 1,3-Dichlorobenzene	6.755	146	153312	1071.25	ng/ml	97
11) 1,4-Dichlorobenzene	6.824	146	151306	1067.01	ng/ml	98
12) Benzyl alcohol	6.937	108	72680	979.40	ng/ml	96
13) 1,2-Dichlorobenzene	6.979	146	148815	1073.37	ng/ml	98
14) 2-Methylphenol	7.038	107	103180	1189.88	ng/ml	97
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	104143	1148.10	ng/ml	98
16) N-Nitrosodi-n-propylamine	7.199	70	79272	1193.64	ng/ml	97
17) 3+4-Methylphenol	7.193	107	131137	1248.28	ng/ml	97
18) Hexachloroethane	7.316	201	54980	1190.16	ng/ml	99
20) Nitrobenzene	7.370	77	116940	1246.31	ng/ml	97
22) Isophorone	7.605	82	225073	1137.20	ng/ml	98
23) 2-Nitrophenol	7.691	139	76483	1330.36	ng/ml	90
24) 2,4-Dimethylphenol	7.723	122	101786	1066.03	ng/ml	95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 04 11:11:25 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.814	93	139907	1083.82	ng/ml	99
26) Benzoic acid	7.814	105	74029	2117.57	ng/ml	95
27) 2,4-Dichlorophenol	7.932	162	115818	1178.27	ng/ml	99
28) 1,2,4-Trichlorobenzene	8.023	180	133493	1109.67	ng/ml	98
29) Naphthalene	8.103	128	395766	1096.30	ng/ml	100
30) 4-Chloroaniline	8.146	127	138876	1781.44	ng/ml	97
31) Hexachlorobutadiene	8.231	225	81995	1212.93	ng/ml	99
32) 4-Chloro-3-methylphenol	8.627	107	100251	1122.15	ng/ml	97
33) 2-Methylnaphthalene	8.803	142	286345	1137.12	ng/ml	98
34) 1-Methylnaphthalene	8.905	142	273645	1157.72	ng/ml	97
36) Hexachlorocyclopentadiene	8.975	237	82814	1368.29	ng/ml	99
37) 2,4,6-Trichlorophenol	9.087	196	79364	1132.33	ng/ml	98
38) 2,4,5-Trichlorophenol	9.119	198	81578	1144.67	ng/ml	100
39) 1,1'-Biphenyl	9.274	154	328464	1130.21	ng/ml	98
41) 2-Chloronaphthalene	9.301	162	252046	1130.39	ng/ml	97
42) 2-Nitroaniline	9.392	138	75035	1167.45	ng/ml	91
43) 2,6-Dimethylnaphthalene	9.435	156	240228	1135.10	ng/ml	97
44) 1,4-Dinitrobenzene	9.520	168	35727	1175.94	ng/ml	97
45) Dimethyl phthalate	9.574	163	282536	1135.64	ng/ml	99
46) 1,3-Dinitrobenzene	9.606	168	41835	1117.11	ng/ml	95
47) 2,6-Dinitrotoluene	9.632	165	64471	1144.39	ng/ml	92
48) 1,2-Dinitrobenzene	9.697	168	29688	1171.71	ng/ml	96
49) Acenaphthylene	9.723	152	393104	1136.19	ng/ml	99
50) 3-Nitroaniline	9.809	138	53233	1330.10	ng/ml	92
51) Acenaphthene	9.905	153	250909	1073.34	ng/ml	99
52) 2,4-Dinitrophenol	9.916	184	15623	1290.60	ng/ml	99
53) 4-Nitrophenol	9.964	139	40369	1032.71	ng/ml	86
54) 2,4-Dinitrotoluene	10.050	165	79595	1143.91	ng/ml	95
55) Dibenzofuran	10.076	168	344038	1083.17	ng/ml	97
56) 2,3,5,6-Tetrachlorophenol	10.157	232	67059	1264.95	ng/ml	100
57) 2,3,4,6-Tetrachlorophenol	10.199	232	71513	1240.57	ng/ml	99
58) Diethyl phthalate	10.290	149	252486	1070.16	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.290	170	216538	1115.59	ng/ml	95
60) Fluorene	10.429	166	264916	1067.79	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.419	204	133216	1085.29	ng/ml	96
62) 4-Nitroaniline	10.435	138	38255	855.03	ng/ml	89
63) 4,6-Dinitro-2-methylph...	10.467	198	33547	1371.38	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 04 11:11:25 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration

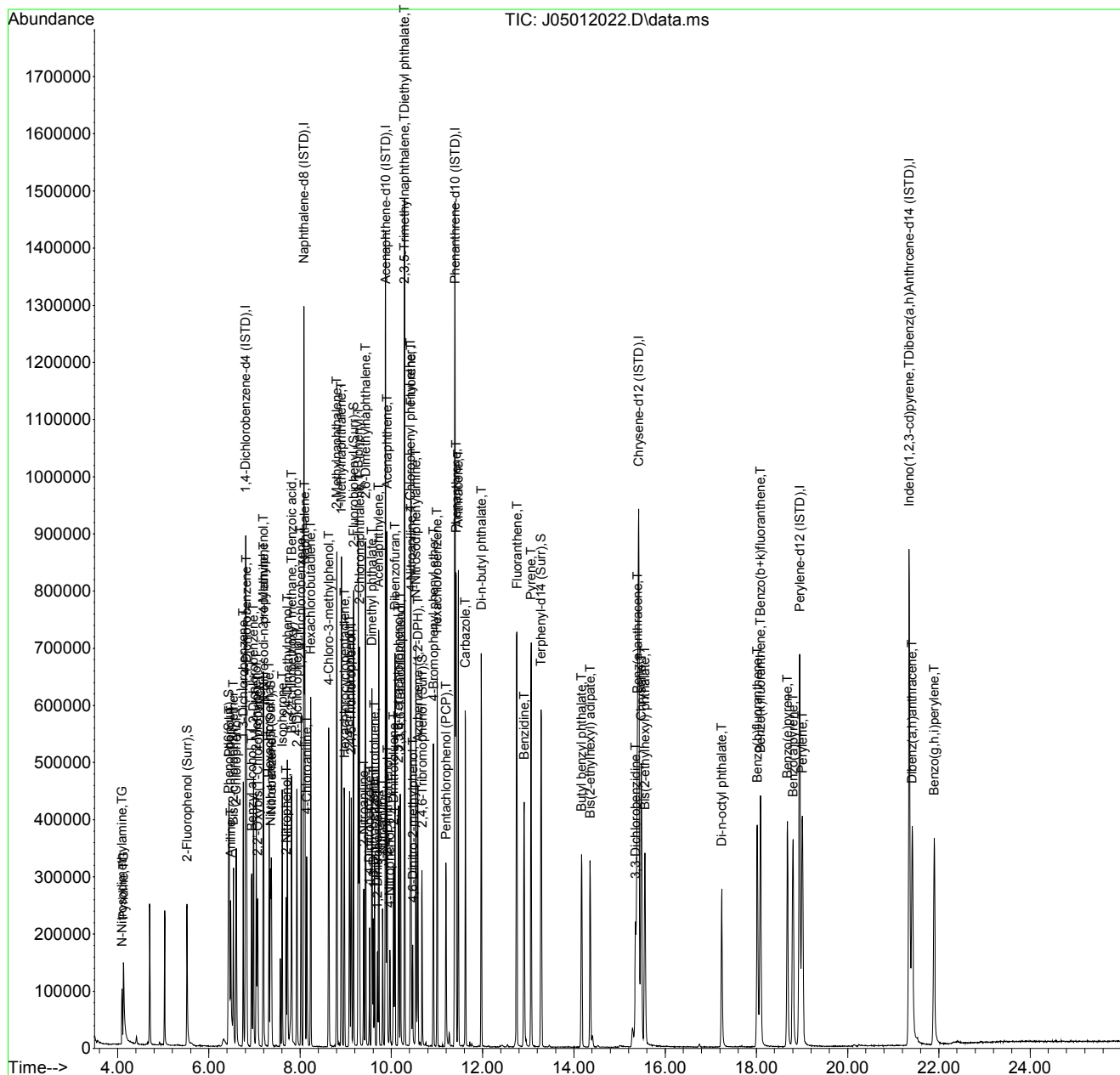
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.536	169	219644	1127.24	ng/ml	99
66) Azobenzene (1,2-DPH)	10.584	77	196742	1075.60	ng/ml	97
68) 4-Bromophenyl phenyl e...	10.921	248	84868	1114.96	ng/ml	99
69) Hexachlorobenzene	11.002	284	106186	1119.90	ng/ml	97
70) Pentachlorophenol (PCP)	11.200	266	48576	1225.58	ng/ml	100
71) Phenanthrene	11.419	178	387103	1081.82	ng/ml	99
72) Anthracene	11.467	178	384415	1096.26	ng/ml	99
73) Carbazole	11.622	167	304625	1066.35	ng/ml	99
74) Di-n-butyl phthalate	11.970	149	387289	1032.10	ng/ml	99
75) Fluoranthene	12.751	202	429221	1144.47	ng/ml	97
76) Benzidine	12.911	184	245551	4113.12	ng/ml	97
77) Pyrene	13.066	202	431711	1116.63	ng/ml	99
80) Butyl benzyl phthalate	14.168	149	147273	986.79	ng/ml	97
81) Bis(2-ethylhexyl) adipate	14.355	129	116223	902.50	ng/ml	98
82) 3,3-Dichlorobenzidine	15.355	252	102426	3270.71	ng/ml	96
83) Benz(a)anthracene	15.393	228	366477	1022.70	ng/ml	98
84) Chrysene	15.479	228	356254	1079.90	ng/ml	100
85) Bis(2-ethylhexyl) phth...	15.559	149	198143	963.43	ng/ml	96
87) Di-n-octyl phthalate	17.244	149	285782	839.38	ng/ml	98
88) Benzo(b)fluoranthene	18.024	252	358551	1093.53	ng/ml	97
89) Benzo(k)fluoranthene	18.089	252	357907	1080.12	ng/ml	97
90) Benzo(b+k)fluoranthene	18.089	252	736112	2161.63	ng/ml	97
91) Benzo(e)pyrene	18.682	252	336483	1059.52	ng/ml	99
92) Benzo(a)pyrene	18.805	252	303653	1110.43	ng/ml	97
93) Perylene	19.009	252	353777	1230.06	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.351	276	299618	1000.50	ng/ml	92
96) Dibenz(a,h)anthracene	21.415	278	292798	1093.53	ng/ml	94
97) Benzo(g,h,i)perylene	21.897	276	315566	1051.07	ng/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 04 11:11:25 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 10:59:59 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

JK 5/5/20

Quant Time: May 05 14:50:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

Final Requant

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.808	152	180023	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.081	136	696290	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.873	162	360502	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.392	188	649765	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.420	240	633809	2000.00	ng/ml	0.02
86) Perylene-d12 (ISTD)	18.950	264	601034	2000.00	ng/ml	0.02
94) Dibenz(a,h)Anthrcene-d...	21.351	292	505867	2000.00	ng/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.525	112	119165	1090.39	ng/ml	0.00
5) Phenol-d6(Surr)	6.434	99	147152	1143.74	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.354	82	116417	1147.14	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.172	172	300880	1047.64	ng/ml	0.00
67) 2,4,6-Tribromophenol (...)	10.675	330	51397	1114.45	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.280	244	323981	1053.12	ng/ml	0.01
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	4.097	74	71767 ^m	1108.56	ng/ml	
3) Pyridine	4.129	79	109455	1032.74	ng/ml	95
6) Phenol	6.445	94	164407	1230.47	ng/ml	91
7) Aniline	6.477	93	142428	1062.63	ng/ml	96
8) Bis(2-chloroethyl) ether	6.536	93	134293	1131.85	ng/ml	95
9) 2-Chlorophenol	6.600	128	136512	1126.54	ng/ml	98
10) 1,3-Dichlorobenzene	6.755	146	153312	1041.87	ng/ml	97
11) 1,4-Dichlorobenzene	6.824	146	151306	1061.40	ng/ml	98
12) Benzyl alcohol	6.937	108	72680	1114.55	ng/ml	96
13) 1,2-Dichlorobenzene	6.979	146	148815	1084.34	ng/ml	98
14) 2-Methylphenol	7.038	107	103180	1185.83	ng/ml	97
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	104143	1126.03	ng/ml	98
16) N-Nitrosodi-n-propylamine	7.199	70	79272	1174.89	ng/ml	97
17) 3+4-Methylphenol	7.193	107	131137	1202.52	ng/ml	97
18) Hexachloroethane	7.316	201	54980	1079.19	ng/ml	99
20) Nitrobenzene	7.370	77	116940	1157.93	ng/ml	97
22) Isophorone	7.605	82	225073	1100.11	ng/ml	98
23) 2-Nitrophenol	7.691	139	76483	1165.74	ng/ml	90
24) 2,4-Dimethylphenol	7.723	122	101786	1021.47	ng/ml	95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 14:50:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.814	93	139907	1101.95	ng/ml	99
26) Benzoic acid	7.814	105	74029	2143.15	ng/ml	95
27) 2,4-Dichlorophenol	7.932	162	115818	1152.76	ng/ml	99
28) 1,2,4-Trichlorobenzene	8.023	180	133493	1049.72	ng/ml	98
29) Naphthalene	8.103	128	395766	1064.03	ng/ml	100
30) 4-Chloroaniline	8.146	127	138876	1182.10	ng/ml	97
31) Hexachlorobutadiene	8.231	225	81995	1050.38	ng/ml	99
32) 4-Chloro-3-methylphenol	8.627	107	100251	1145.59	ng/ml	97
33) 2-Methylnaphthalene	8.803	142	286345	1131.32	ng/ml	98
34) 1-Methylnaphthalene	8.905	142	273645	1151.88	ng/ml	97
36) Hexachlorocyclopentadiene	8.975	237	82814	1124.00	ng/ml	99
37) 2,4,6-Trichlorophenol	9.087	196	79364	1067.91	ng/ml	98
38) 2,4,5-Trichlorophenol	9.119	198	81578	1101.86	ng/ml	100
39) 1,1'-Biphenyl	9.274	154	328464	1083.66	ng/ml	98
41) 2-Chloronaphthalene	9.301	162	252046	1070.55	ng/ml	97
42) 2-Nitroaniline	9.392	138	75035	1147.62	ng/ml	91
43) 2,6-Dimethylnaphthalene	9.435	156	240228	1090.69	ng/ml	97
44) 1,4-Dinitrobenzene	9.520	168	35727	1102.15	ng/ml	97
45) Dimethyl phthalate	9.574	163	282536	1088.34	ng/ml	99
46) 1,3-Dinitrobenzene	9.606	168	41835	1090.53	ng/ml	95
47) 2,6-Dinitrotoluene	9.632	165	64471	1100.77	ng/ml	92
48) 1,2-Dinitrobenzene	9.697	168	29688	1097.99	ng/ml	96
49) Acenaphthylene	9.723	152	393104	1124.21	ng/ml	99
50) 3-Nitroaniline	9.809	138	53233	1018.91	ng/ml	92
51) Acenaphthene	9.905	153	250909	1062.84	ng/ml	99
52) 2,4-Dinitrophenol	9.916	184	15623	985.13	ng/ml	99
53) 4-Nitrophenol	9.964	139	40369	1051.72	ng/ml	86
54) 2,4-Dinitrotoluene	10.050	165	79595	1057.79	ng/ml	95
55) Dibenzofuran	10.076	168	344038	1053.85	ng/ml	97
56) 2,3,5,6-Tetrachlorophenol	10.157	232	67059	1085.62	ng/ml	100
57) 2,3,4,6-Tetrachlorophenol	10.199	232	71513	1084.07	ng/ml	99
58) Diethyl phthalate	10.290	149	252486	1027.40	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.290	170	216538	1075.29	ng/ml	95
60) Fluorene	10.429	166	264916	1053.88	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.419	204	133216	1017.01	ng/ml	96
62) 4-Nitroaniline	10.435	138	38255	987.35	ng/ml	89
63) 4,6-Dinitro-2-methylph...	10.467	198	33547	1002.76	ng/ml	97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 14:50:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration

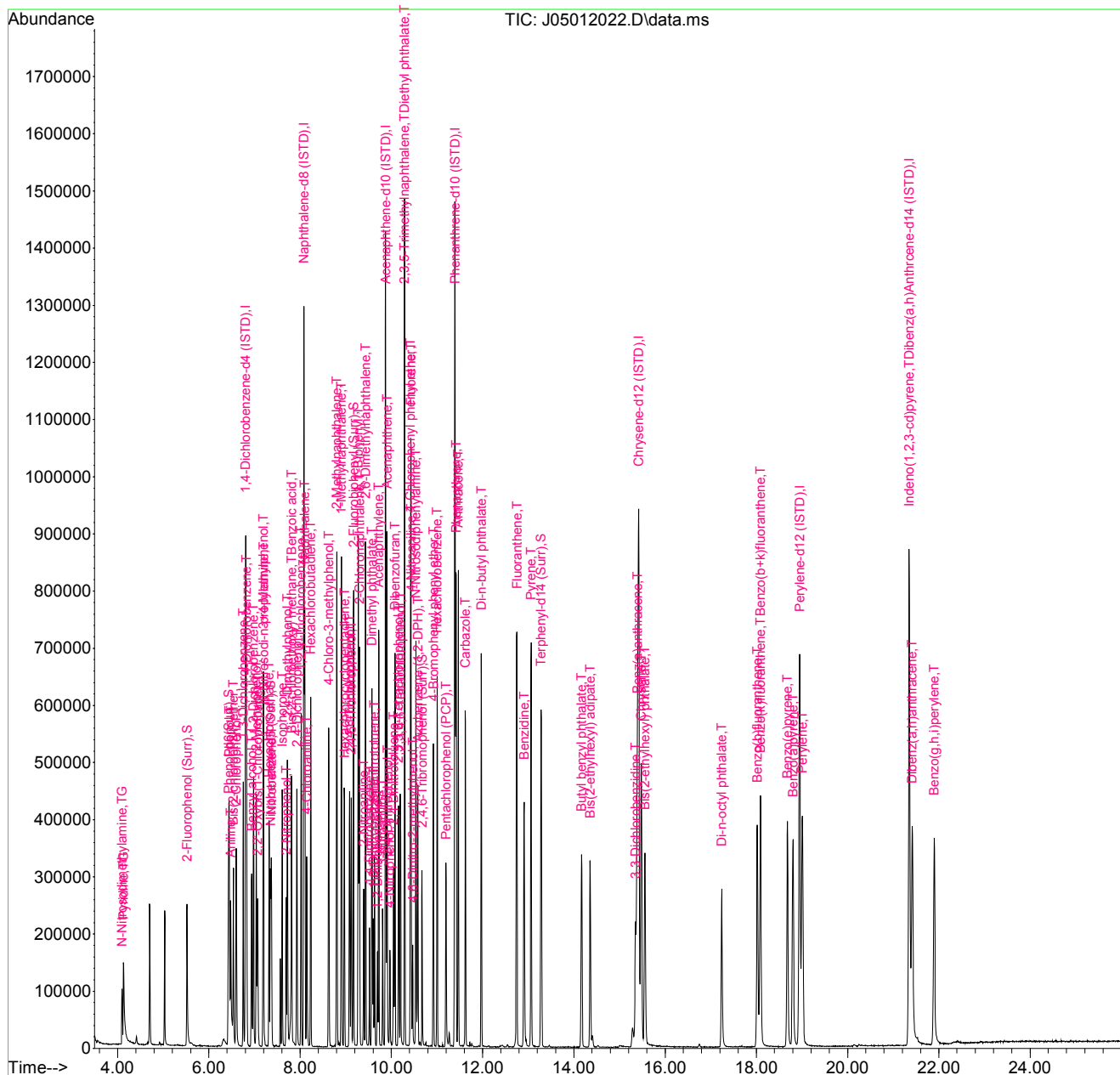
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.536	169	219644	1112.25	ng/ml	99
66) Azobenzene (1,2-DPH)	10.584	77	196742	1093.44	ng/ml	97
68) 4-Bromophenyl phenyl e...	10.921	248	84868	1045.46	ng/ml	99
69) Hexachlorobenzene	11.002	284	106186	1020.87	ng/ml	97
70) Pentachlorophenol (PCP)	11.200	266	48576	1108.71	ng/ml	100
71) Phenanthrene	11.419	178	387103	1058.61	ng/ml	99
72) Anthracene	11.467	178	384415	1094.79	ng/ml	99
73) Carbazole	11.622	167	304625	1041.55	ng/ml	99
74) Di-n-butyl phthalate	11.970	149	387289	1059.40	ng/ml	99
75) Fluoranthene	12.751	202	429221	1093.71	ng/ml	97
76) Benzidine	12.911	184	245551	1830.36	ng/ml	97
77) Pyrene	13.066	202	431711	1099.15	ng/ml	99
80) Butyl benzyl phthalate	14.168	149	147273	1091.88	ng/ml	97
81) Bis(2-ethylhexyl) adipate	14.355	129	116223	945.39	ng/ml	98
82) 3,3-Dichlorobenzidine	15.355	252	102426	2016.55	ng/ml	96
83) Benz(a)anthracene	15.393	228	366477	1019.74	ng/ml	98
84) Chrysene	15.479	228	356254	1052.42	ng/ml	100
85) Bis(2-ethylhexyl) phth...	15.559	149	198143	1015.55	ng/ml	96
87) Di-n-octyl phthalate	17.244	149	285782	1020.61	ng/ml	98
88) Benzo(b)fluoranthene	18.024	252	358551	1096.89	ng/ml	97
89) Benzo(k)fluoranthene	18.089	252	357810	1082.65	ng/ml	97
90) Benzo(b+k)fluoranthene	18.089	252	736112	2160.40	ng/ml	97
91) Benzo(e)pyrene	18.682	252	336483	1120.08	ng/ml	99
92) Benzo(a)pyrene	18.805	252	303653	1112.92	ng/ml	97
93) Perylene	19.009	252	353777	1221.85	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.351	276	299618	1018.76	ng/ml	92
96) Dibenz(a,h)anthracene	21.415	278	292798	1071.36	ng/ml	94
97) Benzo(g,h,i)perylene	21.897	276	315566	1133.57	ng/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-05\0E01048\
 Data File : J05012022.D
 Acq On : 1 May 2020 11:31 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E01048-ICV1
 Misc : 1x, A20C090@1000
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 05 14:50:51 2020
 Quant Method : C:\msdchem\1\methods\SV10_050120.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon May 04 11:17:09 2020
 Response via : Initial Calibration



**Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection
Benchsheet & Analysis Sequence Data (Including Calibration)**

Batch 0100800
Sequence 0J23021 (A0J0472-02RE1,05RE1,06RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010800 (Soil)

Prep Method: EPA 5035A

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	8	>11	
	0010800-BLK1	QC	01/27/20 09:00	7.5	5										
	0010800-BS1	QC	01/27/20 09:00	5	5	A20A256		250							
	0010800-BS2	QC	01/27/20 09:00	5	5	A20A132		250							
	A0A0191-02	A 8260C BTEX	01/24/20 14:10	4.92	5					YMCA Apt Boiler 1-24-20	FP				
	A0A0796-01	B 8260C BTEX+N	01/23/20 13:05	4.05	5					NWTE@75"BGS	FP				
	A0A0826-06	B 8260C Full List	01/23/20 12:32	6.47	5					B8/17.5A	FP				
	A0A0826-06	B 8260C BTEX	01/23/20 12:32	6.47	5					B8/17.5A	FP Added for BatchQC in: 0010800				
	A0A0826-06	B 8260C BTEX+N	01/23/20 12:32	6.47	5					B8/17.5A	FP Added for BatchQC in: 0010800				
	A0A0826-06	B NWTPH-Gx	01/23/20 12:32	6.47	5					B8/17.5A	FP Added for BatchQC in: 0010800				
	0010800-MS1	QC	01/23/20 12:32	6.47	5	A20A256	A0A0826-06	266							
	A0A0843-27	C 8260C BTEX+N	01/20/20 13:50	6.34	5					PP-13@6.0	FP				
	A0A0849-01	B 8260C BTEX	01/24/20 14:55	5.12	5					Mixer Station	MOD				
	A0A0854-02	B 8260C BTEX+N	01/23/20 00:00	6.2	5					6309 S8	FP				
	A0A0861-01	B 8260C Full List	01/24/20 11:00	2.29	5					C2-SP6-SS-0124 20	FP				
	A0A0863-01	B 8260C Full List	01/23/20 13:40	6.67	5					MW-1-3.5-4.0	FP Added for BatchQC in: 0010800				
	A0A0863-01	B 8260C BTEX	01/23/20 13:40	6.67	5					MW-1-3.5-4.0	FP				
	A0A0863-01	B 8260C BTEX+N	01/23/20 13:40	6.67	5					MW-1-3.5-4.0	FP Added for BatchQC in: 0010800				
	A0A0863-01	B NWTPH-Gx	01/23/20 13:40	6.67	5					MW-1-3.5-4.0	FP				
	0010800-DUP1	QC	01/23/20 13:40	7.03	5		A0A0863-01								
	A0A0876-01	B 8260C BTEX	01/27/20 12:08	5.55	5					11185	MOD				
	A0A0876-01	B NWTPH-Gx	01/27/20 12:08	5.55	5					11185	MOD				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A18J327	11/30/23	Balance s/n 593312	A20A132	06/15/20	Prim NWTPH-Gx Spike (500 ug/mL)			
A19J076	10/04/20	Methanol - Fisher (P/T) #191722	A20A256	05/04/20	8260 Cal. Std. B VOC+OXY Spike (20-40ug/ml)			
A19J148	10/09/20	Methanol - B&J (P/T) #DX212-US						

SOIL MS6

IMA 1/29/20

1/29/20 Date

Volatile Soils Matrix Spike Volume Calculation (Validated 5/3/2013)

Enter the Spike Amount value into the Bench Sheet to ensure correct MS/MSD recoveries.

Batch: 0010800

Matrix Spike

Sample Weight g	Final Volume mL	Dilution	Dry Weight %
6.470	5	50	94.9
			0.949

Final Spike Level ug/kg	Spike Amount ul
868.07	<input type="text" value="266"/>

Assumptions:

Spiking Solution = 20ug/mL

Spike Amount into 50mL = 50ul

Dilution = 1mL of MeOH to 50mL of water

Initial Spike Concentration = 20ug/L

A0A0826-06

IMF

1/29/20

Worksheet

5035 Field Prep Worksheet (Validated 7/11/16)

Sample ID	Container	Container Weight (g)	Tare Weight (g)	Net Sample Weight (g)	Formula Check
A0A0191-02	A	38.17	✓ 33.25	✓ 4.92	✓
A0A0796-01	B	37.47	✓ 33.42	✓ 4.05	✓
A0A0826-06	B	40.01	✓ 33.54	✓ 6.47	✓
A0A0843-27	C	39.79	✓ 33.45	✓ 6.34	✓
A0A0854-02	B	39.77	✓ 33.57	✓ 6.2	✓
A0A0861-01	B	35.79	✓ 33.5	✓ 2.29	✓
A0A0863-01	B	40.38	✓ 33.71	✓ 6.67	✓
	1 C	40.69	✓ 33.66	✓ 7.03	✓
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
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				0	

I MA
1/28/20

A0A0191

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0A0191-02 YMCA Apt Boiler 1-24-20 Sampled: 01/24/20 14:10

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
A	40 mL VOA - 5035 (MeOH)	38.17	33.25	5 10 15 Other	
Soil					
B	40 mL VOA - 5035 (MeOH)	38.33	33.45	5 10 15 Other	
Soil					
C	40 mL VOA - 5035 (MeOH)	38.96	33.54	5 10 15 Other	
Soil					

BTEX Due: TAT:

Weighed by: JS @ 1/27/20 1118

A0A0796

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0A0796-01 NWTE@75"BGS Sampled: 01/23/20 13:05

B
Soil

40 mL VOA
- 5035
(MeOH)

Container Weight (g)
37.47

Tare Weight (g)
33.42

Volume MeOH (mL)
5 10 15 Other

Notes:
Dx@26000

BTEX + N Due: TAT:

A0A0796-02 SETE@75"BGS Sampled: 01/23/20 13:10

B
Soil

40 mL VOA
- 5035
(MeOH)

Container Weight (g)
36.07

Tare Weight (g)
33.52

Volume MeOH (mL)
5 10 15 Other

Notes:

Due: TAT:

Weighed by: AKK @ 1825 1/23/20

A13L213

Methanol Reagent DEA 191076 US Moorings- C2, Balance 1076 of 1225

A0A0826

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0A0826-06 B8/17.5A Sampled: 01/23/20 12:32

B
Soil

40 mL VOA
- 5035
(MeOH)

Container Weight (g)
40.01

Tare Weight (g)
33.54

Volume MeOH (mL)
5 10 15 Other

Notes:
MS

C
Soil

40 mL VOA
- 5035
(MeOH)

Container Weight (g)
38.15

Tare Weight (g)
33.34

Volume MeOH (mL)
5 10 15 Other

Notes:

8260 Due: TAT:

Weighed by: 8 @ 1/24/20 1243

A0A0843

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0A0843-20		PP-10@6.0			Sampled: 01/21/20 09:50
B Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 41.29	Tare Weight (g) 33.81	Volume MeOH (mL) 5 10 15 Other	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 41.16	Tare Weight (g) 33.82	Volume MeOH (mL) 5 10 15 Other	Notes:
Due:		TAT:			

A0A0843-25		PP-12@6.0			Sampled: 01/21/20 11:15
B Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 40.64	Tare Weight (g) 33.59	Volume MeOH (mL) 5 10 15 Other	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 40.53	Tare Weight (g) 33.66	Volume MeOH (mL) 5 10 15 Other	Notes:
Due:		TAT:			

A0A0843-27		PP-13@6.0			Sampled: 01/20/20 13:50
C Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.79	Tare Weight (g) 33.45	Volume MeOH (mL) 5 10 15 Other	Notes:
D Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 41.17	Tare Weight (g) 33.24	Volume MeOH (mL) 5 10 15 Other	Notes:
Due:		TAT:			

BTEX + N

A0A0843-30		PP-15@6.0			Sampled: 01/21/20 11:40
B Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 40.51	Tare Weight (g) 33.81	Volume MeOH (mL) 5 10 15 Other	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.66	Tare Weight (g) 33.44	Volume MeOH (mL) 5 10 15 Other	Notes:
Due:		TAT:			

A0A0843-31		PP-16@6.0			Sampled: 01/21/20 12:40
B Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 41.01	Tare Weight (g) 33.44	Volume MeOH (mL) 5 10 15 Other	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 38.67	Tare Weight (g) 33.15	Volume MeOH (mL) 5 10 15 Other	Notes:
Due:		TAT:			

Weighed by OB @ 1/24/20 1445

A0A0854

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0A0854-02 6309 S8 Sampled: 01/23/20 00:00

B
Soil

40 mL VOA
- 5035
(MeOH)

Container Weight (g)
39.77

Tare Weight (g)
33.57

Volume MeOH (mL)
5 10 15 Other

Notes:

BTEX + N Due: TAT:

A0A0854-04 6309 S10 Sampled: 01/23/20 00:00

B
Soil

40 mL VOA
- 5035
(MeOH)


Container Weight (g)
40.28

Tare Weight (g)
33.58

Volume MeOH (mL)
5 10 15 Other

Notes:

Due: TAT:

Weighed by:  @ 1/24/20 1745

Methanol Reagent ID: A191076s Mooring- C2, Balance ID: A16132625

A0A0861

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0A0861-01		C2-SP6-SS-012420			Sampled: 01/24/20 11:00
B Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 33.813579	Tare Weight (g) 33.50	Volume MeOH (mL) 5 10 15 Other	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g) 36.57	Tare Weight (g) 33.81	Volume MeOH (mL) 5 10 15 Other	Notes:
8260 & SIM		Due:	TAT:		

Weighed by: AKK @ 0924 1/25/20

Methanol Reagent ID: A19J076 Balance ID: A18J327

A0A0863

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0A0863-01 MW-1-3.5-4.0 Sampled: 01/23/20 13:40

B	40 mL VOA - 5035 (MeOH)	Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
Soil		40.38	33.71	(5) 10 15 Other	
C	40 mL VOA - 5035 (MeOH)	Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
Soil		40.69	33.66	(5) 10 15 Other	DVP

8260C BTEX Due: 01/28/20 17:00 TAT: 1
 Comments: 1-day if possible
 NWTPH-Gx Due: 01/28/20 17:00 TAT: 1
 Comments: 1-day if possible

A0A0863-02 MW-1-13.0-14.0 Sampled: 01/23/20 13:45

B	40 mL VOA - 5035 (MeOH)	Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
Soil		38.81	33.45	(5) 10 15 Other	
C	40 mL VOA - 5035 (MeOH)	Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
Soil		38.73	33.57	(5) 10 15 Other	

Due: TAT:

Weighed by: AKK @ 1102 1/25/20

Methanol Reagent ID: A191076s Balance ID: A1813275

A0A0849

5035 Container Prep Worksheet
~Soil Jar Extraction~

A0A0849-01		Mixer Station					Sampled: 01/23/20 13:00	
	40 mL VOA - In House Prep - 5035 (MeOH)	Container Used	Sample Weight (g)	Volume MeOH (mL)	Prepared By:	Prepared date/time	Within 48 hours?	Notes:
B Soil		A	5.12	5 10 15	TAG	@ 1-24-20 14:55	<input checked="" type="radio"/> Y <input type="radio"/> N	MOO
C Soil		A	5.51	5 10 15	TAG	@ 1-24-20 14:55	<input checked="" type="radio"/> Y <input type="radio"/> N	MOO
8260C BTEX		Expires: 01/25/20 13:00 Due: 01/31/20 17:00						

A0A0876

5035 Container Prep Worksheet
~Soil Jar Extraction~

A0A0876-01		11185			Sampled: 01/23/20 12:00			
B	40 mL VOA - In House Prep - 5035 (MeOH)	Container Used <u>A</u>	Sample Weight (g) <u>5.55</u>	Volume MeOH (mL) <u>5</u> 10 15	Prepared By: <u>KMS @</u>	Prepared date/time <u>1/23/20 12:08</u>	Within 48 hours? <u>Y</u> <u>N</u>	Notes: <u>MOD</u>
C	40 mL VOA - In House Prep - 5035 (MeOH)	Container Used <u>U</u>	Sample Weight (g) <u>5.86</u>	Volume MeOH (mL) <u>5</u> 10 15	Prepared By: <u>↓ @</u>	Prepared date/time <u>↓ ↓</u>	Within 48 hours? <u>Y</u> <u>N</u>	Notes: <u>↓</u>
NWTPH-Gx/8260C BTEX		Expires: 01/25/20 12:00 Due: 01/28/20 17:00						



ELEMENT SEQUENCE LOG

Apex Laboratories

OCT 30 2020

Sequence: **0J23021**
Date: **10/23/20 08:27**

Instrument: **OIA FS3000-2**
Calibration: **A0J2301**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0J23021-CAL1	Soil	QC	QC				
2	0J23021-CAL2	Soil	QC	QC				A20H332
3	0J23021-CAL3	Soil	QC	QC				A20H328
4	0J23021-CAL4	Soil	QC	QC				A20H327
5	0J23021-CAL5	Soil	QC	QC				A20H325
6	0J23021-CAL6	Soil	QC	QC				A20H323
7	0J23021-CAL7	Soil	QC	QC				A20H321
8	0J23021-ICV1	Soil	QC	QC				A20J246
9	0J23021-ICB1	Soil	QC	QC				
10	0100795-BLK1	Soil	QC	QC		0100795		
11	0100795-BS1	Soil	QC	QC		0100795		
12	0100795-BS2	Soil	QC	QC		0100795		
13	0100795-BS3	Soil	QC	QC		0100795		
14	0100795-BS4	Soil	QC	QC		0100795		
15	0100795-BS5	Soil	QC	QC		0100795		
16	0J23021-CCV1	Soil	QC	QC				A20H323
17	0J23021-CCB1	Soil	QC	QC				
18	0100800-BLK1	Soil	QC	QC		0100800		
19	0100800-BS1	Soil	QC	QC		0100800		
20	A0J0472-02	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
21	0100800-MS1	Soil	QC	QC		0100800		
22	0100800-MSD1	Soil	QC	QC		0100800		
23	A0J0472-03	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
24	A0J0472-04	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
25	A0J0472-05	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
26	A0J0472-06	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
27	A0J0642-01	Soil	Cyanide, Total (ASTM D7511, OIA)		10/30/20	0100800		
28	0J23021-CCV2	Soil	QC	QC				A20H323
29	0J23021-CCB2	Soil	QC	QC				
30	A0J0723-01	Soil	Cyanide, Total (ASTM D7511, OIA)		11/03/20	0100800		
31	A0J0723-02	Soil	Cyanide, Total (ASTM D7511, OIA)		11/03/20	0100800		
32	A0J0723-03	Soil	Cyanide, Total (ASTM D7511, OIA)		11/03/20	0100800		
33	0J23021-CCV3	Soil	QC	QC				A20H323
34	0J23021-CCB3	Soil	QC	QC				
35	A0J0472-02RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
36	0100800-MS2	Soil	QC	QC		0100800		
37	0100800-MSD2	Soil	QC	QC		0100800		
38	A0J0472-06RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
39	A0J0723-01RE1	Soil	Cyanide, Total (ASTM D7511, OIA)		11/03/20	0100800		
40	A0J0723-03RE1	Soil	Cyanide, Total (ASTM D7511, OIA)		11/03/20	0100800		
41	0J23021-CCV4	Soil	QC	QC				A20H323
42	0J23021-CCB4	Soil	QC	QC				
43	A0J0472-05RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
44	A0J0642-01RE1	Soil	Cyanide, Total (ASTM D7511, OIA)		10/30/20	0100800		
45	A0J0723-01RE2	Soil	Cyanide, Total (ASTM D7511, OIA)		11/03/20	0100800		
46	0J23021-CCV5	Soil	QC	QC				A20H323
47	0J23021-CCB5	Soil	QC	QC				
48	0J23021-CCV6	Soil	QC	QC				A20H323
49	0J23021-CCB6	Soil	QC	QC				
50	A0J0472-03RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
51	A0J0472-04RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		

Sequence:

0J23021

Instrument:

OIA FS3000-2

Date:

10/23/20 08:27

Calibration:

A0J2301

<u>#</u>	<u>Lab Number</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Client</u>	<u>Due</u>	<u>Batch</u>	<u>ISTD ID</u>	<u>STD ID</u>
52	0J23021-CCV7	Soil	QC	QC				A20H323 -
53	0J23021-CCB7	Soil	QC	QC				
54	0J23021-CCV8	Soil	QC	QC				A20H323 -
55	0J23021-CCB8	Soil	QC	QC				

Data Entered By/Date: JKP 10-23-20

Comments:

Data Reviewed By/Date: DMZ 10/26/2020

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name jkp
 Operator ID jkp
 Platform FS III/IV/3100
 Software Rev Code 234
 Data system ID 57
 Result path C:\FLOW_4\0J23021.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 23-Oct-20
 Time acquired 12:46

*per analyst, saved as 0J23021A.RST.
 10/26/2020*

----- TOTAL CN 50ppb -----						
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	693802	26.584				
Sync 25 ppb	697781	26.727				
Sync 25 ppb	701208	26.850				
(Statistics)				697597	26.720	.531%
Carryover	9886	1.118				
Read Baseline	2276	0.825	BL			
Cal 0.0 ppb	-11453	0.295				
Cal 1.0 ppb	5450	0.947				
Cal 2.0 ppb	20505	1.527				
Cal 5.0 ppb	99277	4.548				
Cal 10.0 ppb	234152	9.665				
Cal 25.0 ppb	659546	25.351				
Cal 50.0 ppb	1367666	49.931				
Blank	18794	1.461				
Read Baseline	5321	0.942	BL			
0J23021-ICV1	679327	26.064				
0J23021-ICB1	7167	1.013				
Blank	1523	0.795				
Read Baseline	3195	0.860	BL			
0100795-BLK1	-3024	0.620				
0100795-BS1	83298	3.937				
0100795-BS2	602463	23.286				
Read Baseline	-2027	0.659	BL			
0100795-BS3	584454	22.632				
0100795-BS4	591357	22.883				
0100795-BS5	582776	22.571				
Read Baseline	1889	0.810	BL			

*L 370
 OK am
 10/23/2020*

*JKP
 10-23-20*

Result path C:\FLOW_4\0J23021.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 23-Oct-20
 Time acquired 12:46

----- TOTAL CN 50ppb -----

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
0J23021-CCV1	683344	26.208				
0J23021-CCB1	7584	1.029				
Read Baseline	2687	0.840	BL			
0100800-BLK1	-422	0.720				
0100800-BS1	599672	23.185				
Read Baseline	5600	0.953	BL			
A0J0472-02@10	62618	3.145				
0100800-MS1@10	119043	5.302				
0100800-MSD1@10	115507	5.167				
Read Baseline	415	0.753	BL			
A0J0472-03@10	88343	4.130				
A0J0472-04@10	77867	3.729				
Read Baseline	-1066	0.696	BL			
A0J0472-05@10	118224	5.271				
A0J0472-06@10	104465	4.746				
A0J0642-01@100	132175	5.802				
Read Baseline	-1851	0.665	BL			
0J23021-CCV2	700064	26.809				
0J23021-CCB2	4973	0.929				
Read Baseline	-8427	0.412	BL			
A0J0723-01@10	4206350	129.261	HI RR-2			
A0J0723-02@10	831679	31.502	FL RR-3			
A0J0723-03@10	5174718	149.291	HI RR-2			
Read Baseline	22245	1.594	BL			
0J23021-CCV3	681857	26.155	FL			
0J23021-CCB3	-7117	0.462				
Read Baseline	-670	0.711	BL			
A0J0472-02RE1@2	314612	12.685				
0100800-MS2@2	541266	21.059				
0100800-MSD2@2	553741	21.514				
Read Baseline	-1119	0.694	BL			
A0J0472-06RE1	739729	28.230				
A0J0723-01RE1@50	901	0.771				
A0J0723-03RE1@50	1137403	42.148				
Read Baseline	-1020	0.697	BL			
0J23021-CCV4	707026	27.059				
0J23021-CCB4	-2447	0.642				

Over diluted. See 2X dilutions. JKP 10-23-20

Over diluted. See 1X dilutions. JKP 10-23-20

See 5X dilution. JKP 10-23-20
See 1X
See 50X dilution.

*RR-2
 RR-3
 RR-2 10/23/2020*

Dilution error. See RE2

*JKP
 10-23-20*

Result path C:\FLOW_4\0J23021.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 23-Oct-20
 Time acquired 12:46

|----- TOTAL CN 50ppb -----|

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	-2973	0.622	BL			
A0J0472-05RE1@5 ✓	239500	9.867 ✓				
A0J0642-01RE1@50 ✓	148282	6.415 ✓				
A0J0723-01RE2@50 ✓	1136807	42.127 ✓				
Read Baseline	3852	0.885	BL			
0J23021-CCV5	718873	27.484 ✓				
0J23021-CCB5	3097	0.856 ✓				
Read Baseline	-1447	0.681	BL			

JEP
10-23-20

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name jkp
 Operator ID jkp
 Platform FS III/IV/3100
 Software Rev Code 234
 Data system ID 57

Result path C:\FLOW_4\0J23021.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 23-Oct-20
 Time acquired 12:46

Date	Time	Cup	Name
23-Oct-20	09:28	106	Sync 25 ppb
23-Oct-20	09:30	106	Sync 25 ppb
23-Oct-20	09:32	106	Sync 25 ppb
			(Statistics)
23-Oct-20	09:34	0	Carryover
23-Oct-20	09:36	0	Read Baseline
23-Oct-20	09:38	101	Cal 0.0 ppb
23-Oct-20	09:40	102	Cal 1.0 ppb
23-Oct-20	09:42	103	Cal 2.0 ppb
23-Oct-20	09:44	104	Cal 5.0 ppb
23-Oct-20	09:46	105	Cal 10.0 ppb
23-Oct-20	09:48	106	Cal 25.0 ppb
23-Oct-20	09:50	107	Cal 50.0 ppb
23-Oct-20	09:52	0	Blank
23-Oct-20	09:54	0	Read Baseline
23-Oct-20	09:56	108	0J23021-ICV1
23-Oct-20	09:58	0	0J23021-ICB
23-Oct-20	10:00	0	Blank
23-Oct-20	10:02	0	Read Baseline
23-Oct-20	10:04	109	0100795-BLK1
23-Oct-20	10:06	110	0100795-BS1
23-Oct-20	10:08	111	0100795-BS2
23-Oct-20	10:10	0	Read Baseline
23-Oct-20	10:12	112	0100795-BS3
23-Oct-20	10:14	113	0100795-BS4
23-Oct-20	10:16	114	0100795-BS5
23-Oct-20	10:18	0	Read Baseline

Jkp
 10-23-20

Result path C:\FLOW_4\0J23021.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 23-Oct-20
Time acquired 12:46

Date	Time	Cup	Name
23-Oct-20	10:20	106	0J23021-CCV1
23-Oct-20	10:22	0	0J23021-CCB1
23-Oct-20	10:24	0	Read Baseline
23-Oct-20	10:46	115	0100800-BLK1
23-Oct-20	10:48	116	0100800-BS1
23-Oct-20	10:50	0	Read Baseline
23-Oct-20	10:52	117	A0J0472-02@10
23-Oct-20	10:54	118	0100800-MS1@10
23-Oct-20	10:56	119	0100800-MSD1@10
23-Oct-20	10:58	0	Read Baseline
23-Oct-20	11:00	120	A0J0472-03@10
23-Oct-20	11:02	121	A0J0472-04@10
23-Oct-20	11:04	0	Read Baseline
23-Oct-20	11:06	122	A0J0472-05@10
23-Oct-20	11:08	123	A0J0472-06@10
23-Oct-20	11:11	124	A0J0642-01@100
23-Oct-20	11:13	0	Read Baseline
23-Oct-20	11:15	106	0J23021-CCV2
23-Oct-20	11:17	0	0J23021-CCB2
23-Oct-20	11:19	0	Read Baseline
23-Oct-20	11:21	125	A0J0723-01@10
23-Oct-20	11:23	126	A0J0723-02@10
23-Oct-20	11:25	127	A0J0723-03@10
23-Oct-20	11:27	0	Read Baseline
23-Oct-20	11:29	106	0J23021-CCV3
23-Oct-20	11:31	0	0J23021-CCB3
23-Oct-20	11:33	0	Read Baseline
23-Oct-20	11:46	117	A0J0472-02RE1@2
23-Oct-20	11:48	118	0100800-MS2@2
23-Oct-20	11:50	119	0100800-MSD2@2
23-Oct-20	11:52	0	Read Baseline
23-Oct-20	11:54	123	A0J0472-06RE1
23-Oct-20	11:56	125	A0J0723-01RE1@50
23-Oct-20	11:58	127	A0J0723-03RE1@50
23-Oct-20	12:00	0	Read Baseline
23-Oct-20	12:02	106	0J23021-CCV4
23-Oct-20	12:04	0	0J23021-CCB4

JRP
10-23-20

Result path C:\FLOW_4\0J23021.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 23-Oct-20
Time acquired 12:46

Date	Time	Cup	Name
23-Oct-20	12:06	0	Read Baseline
23-Oct-20	12:20	122	A0J0472-05RE1@5
23-Oct-20	12:22	124	A0J0642-01RE1@50
23-Oct-20	12:24	125	A0J0723-01RE2@50
23-Oct-20	12:26	0	Read Baseline
23-Oct-20	12:28	106	0J23021-CCV5
23-Oct-20	12:30	0	0J23021-CCB5
23-Oct-20	12:32	0	Read Baseline

JRP
10-23-20

TOTAL CN 50ppb:Calibration 1: Peak 6-71

File name: C:\FLOW_4\0J23021.RST

Date: 23-Oct-20

Operator: jkp

* Name	Conc	Area
* Cal 0.0 ppb	0.000000	-11453.210938
* Cal 1.0 ppb	1.000000	5450.286133
* Cal 2.0 ppb	2.000000	20504.513672
* Cal 5.0 ppb	5.000000	99276.875000
* Cal 10.0 ppb	10.000000	234152.484375
* Cal 25.0 ppb	25.000000	659545.687500
* Cal 50.0 ppb	50.000000	1367665.500000

Calib Coef:

$x = cy + by + a$

a: (intercept) 7.3674e-01

b: 3.8578e-05

c: -1.9074e-12

Corr Coef: 0.999701

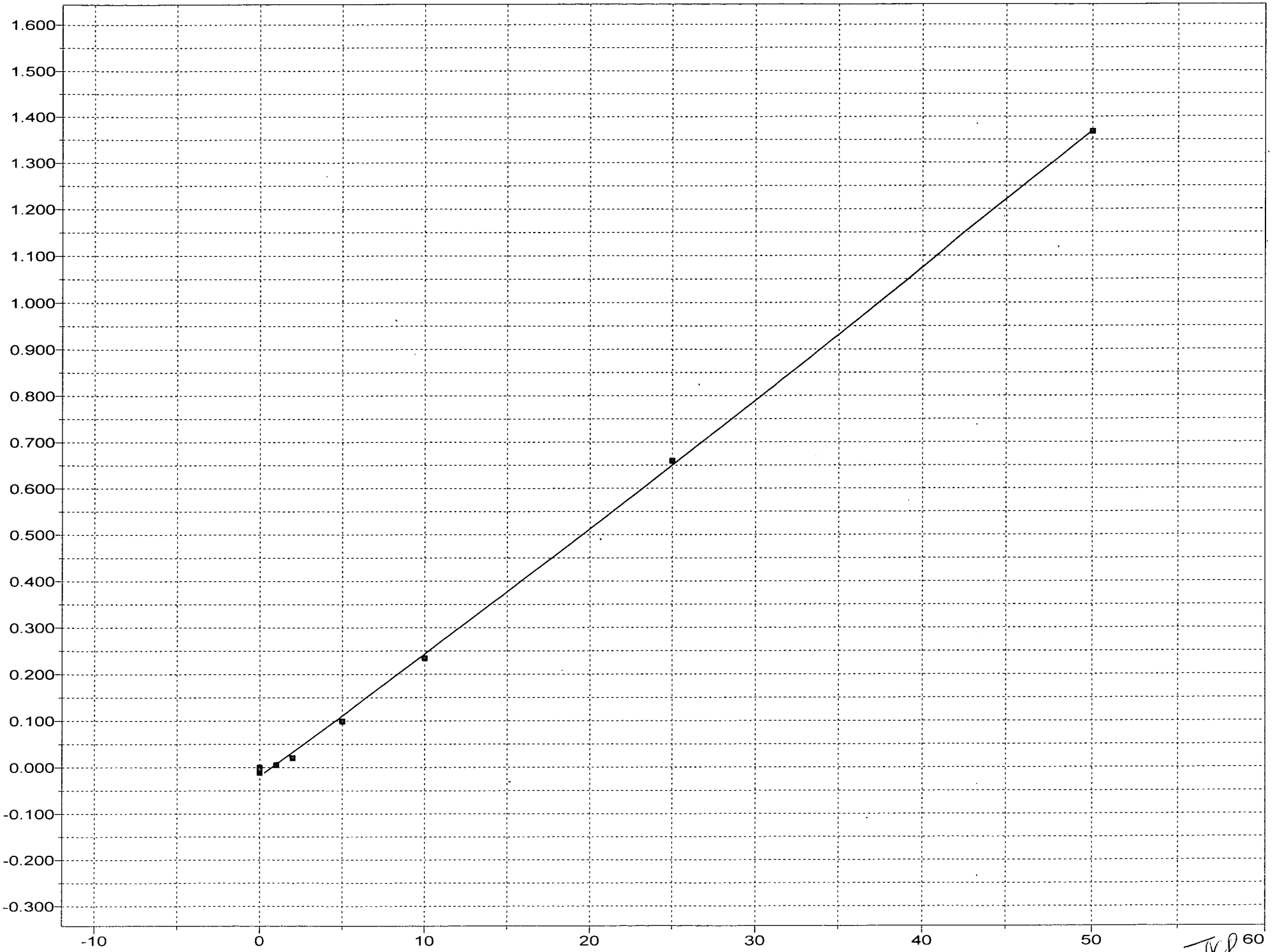
Carryover: n/a

No Drift Peaks

*OK
AMP
10/23/2020*

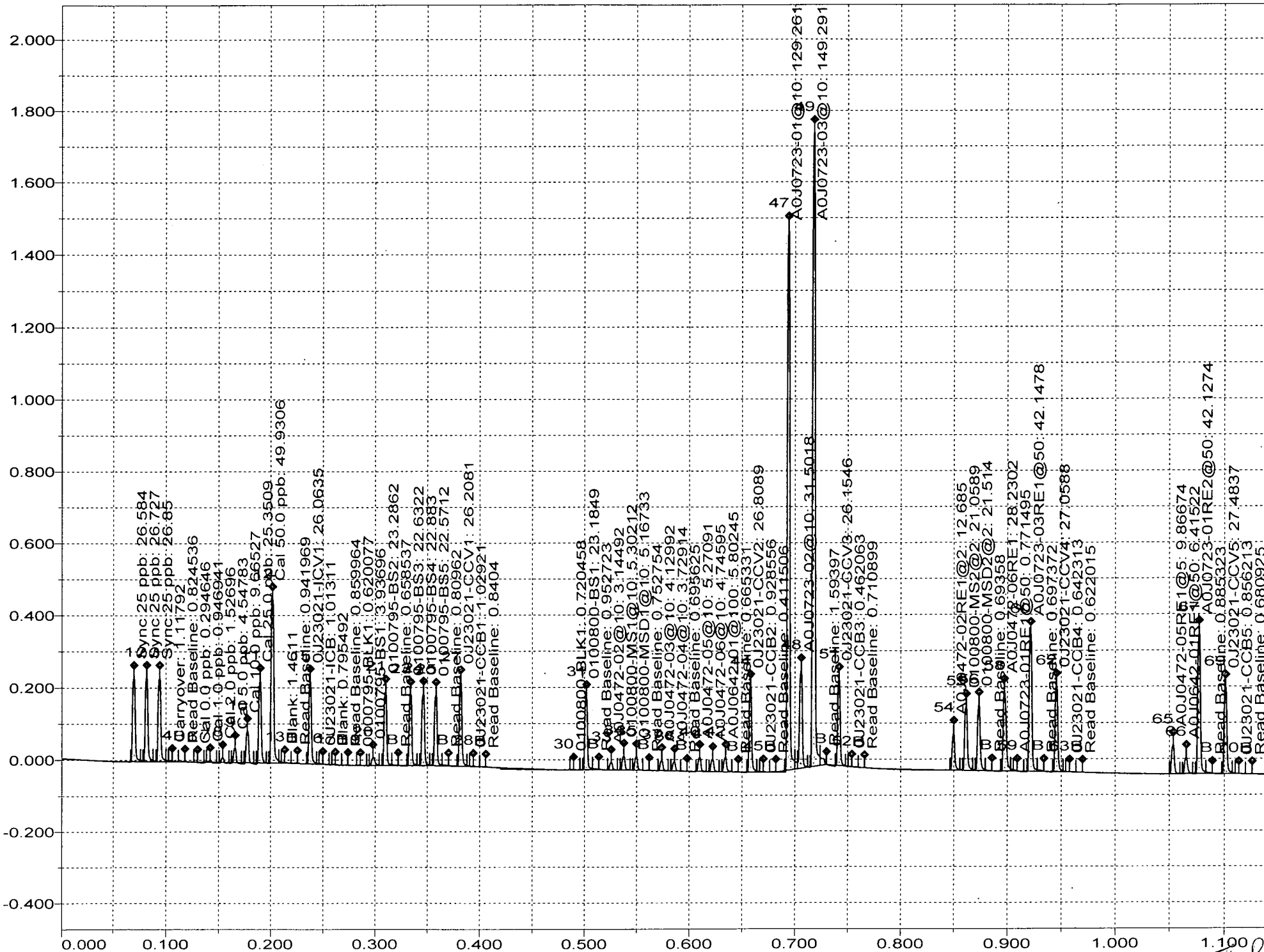
J.P.

TOTAL CN 50ppb:Calibration 1: Peak 6-71



JRP⁶⁰
10-23-20

Channel 1: TOTAL CN 50ppb



JKP
10-23-20

Run Results Report

Apex Laboratories OIA FS3000-2 .

Operator Name jkp
 Operator ID jkp
 Platform FS III/IV/3100
 Software Rev Code 234
 Data system ID 57
 Result path C:\FLOW_4\0J23021B.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 23-Oct-20
 Time acquired 16:11

----- TOTAL CN 50ppb -----

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	708476	27.111				
Sync 25 ppb	726745	27.766				
Sync 25 ppb	721039	27.561				
(Statistics)				718753	27.479	1.3%
Carryover	10886	1:156				
Read Baseline	4255	0.901	BL			
Blank	7190	1.014				
Read Baseline	1712	0.803	BL			
0J23021-CCV6	713698	27.298-				
0J23021-CCB6	-582	0.714-				
Blank	-6403	0.490				
Read Baseline	-4299	0.571	BL			
AOJ0472-03RE1	713924	27.306-				
AOJ0472-04RE1	713284	27.283-				
Read Baseline	1006	0.776	BL			
0J23021-CCV7	731693	27.943-				
0J23021-CCB7	-2465	0.642-				
Read Baseline	656	0.762	BL			
Read Baseline	1188	0.783	BL			
0J23021-CCV8	723485	27.649-				
0J23021-CCB8	12414	1.215 ✓				
Read Baseline	4731	0.919	BL			

Handwritten:
 < 3%
 OK
 10/23/2020

Handwritten:
 JKP
 10-23-20

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name jkp
 Operator ID jkp
 Platform FS III/IV/3100
 Software Rev Code 234
 Data system ID 57

Result path C:\FLOW_4\0J23021B.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 23-Oct-20
 Time acquired 16:11

Date	Time	Cup	Name
23-Oct-20	15:04	106	Sync 25 ppb
23-Oct-20	15:06	106	Sync 25 ppb
23-Oct-20	15:08	106	Sync 25 ppb
			(Statistics)
23-Oct-20	15:10	0	Carryover
23-Oct-20	15:12	0	Read Baseline
23-Oct-20	15:14	0	Blank
23-Oct-20	15:16	0	Read Baseline
23-Oct-20	15:18	108	0J23021-CCV6
23-Oct-20	15:20	0	0J23021-CCB6
23-Oct-20	15:22	0	Blank
23-Oct-20	15:24	0	Read Baseline
23-Oct-20	15:26	109	A0J0472-03RE1
23-Oct-20	15:28	110	A0J0472-04RE1
23-Oct-20	15:30	0	Read Baseline
23-Oct-20	15:32	106	0J23021-CCV7
23-Oct-20	15:34	0	0J23021-CCB7
23-Oct-20	15:36	0	Read Baseline
23-Oct-20	15:51	0	Read Baseline
23-Oct-20	15:53	106	0J23021-CCV8
23-Oct-20	15:55	0	0J23021-CCB8
23-Oct-20	15:57	0	Read Baseline

JKP
 10-23-20

TOTAL CN 50ppb:Calibration None

File name: C:\FLOW_4\0J23021B.RST

Date: 23-Oct-20

Operator: jkp

JKP
02-23-20
10

* Name	Conc	Area
* <Loaded>	0.000000	-11453.200195
* <Loaded>	1.000000	5450.290039
* <Loaded>	2.000000	20504.500000
* <Loaded>	5.000000	99276.898438
* <Loaded>	10.000000	234152.000000
* <Loaded>	25.000000	659546.000000
* <Loaded>	50.000000	1367670.000000

Calib Coef:

$x = cy + by + a$

a: (intercept) 7.3673e-01

b: 3.8578e-05

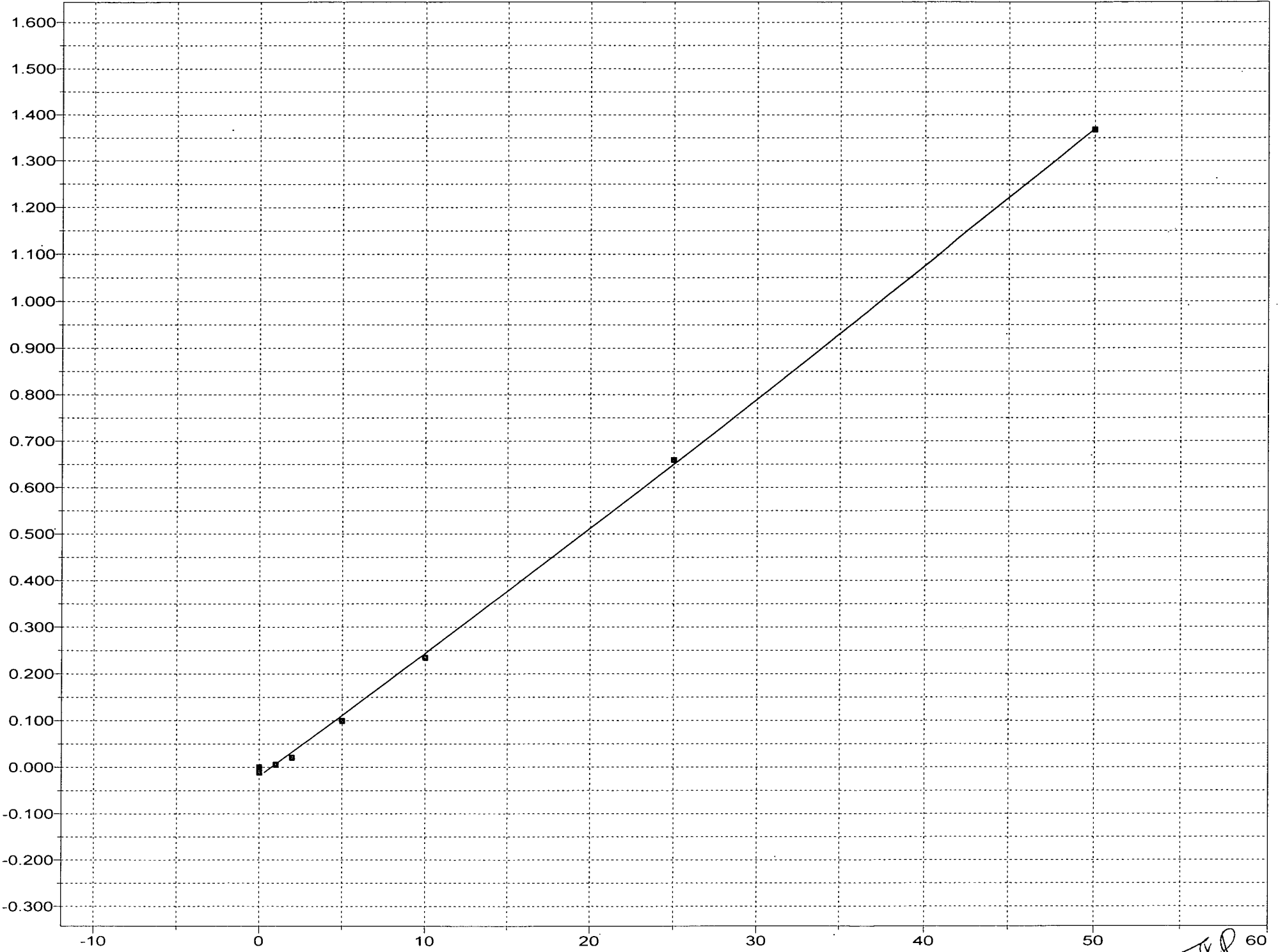
c: -1.9075e-12

Corr Coef: 0.999701

Carryover: n/a

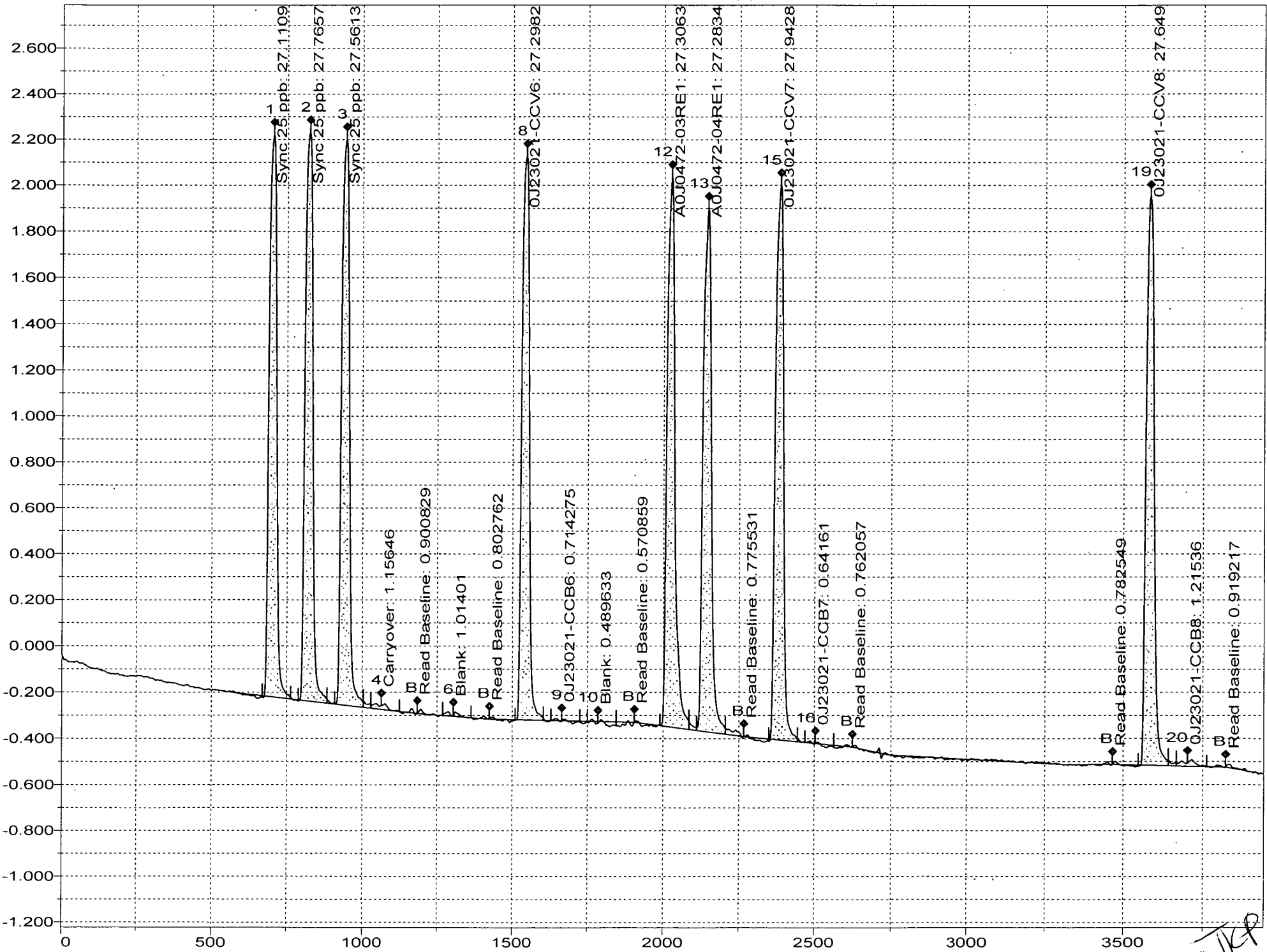
No Drift Peaks

TOTAL CN 50ppb: Calibration None



JEP 60
10-23-20

Channel 1: TOTAL CN 50ppb



JKP
10-23-20

**Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection
Benchsheet & Analysis Sequence Data (Including Calibration)**

Sequence 0J26045 (A0J0472-03RE2,04RE2)



ELEMENT SEQUENCE LOG

Apex Laboratories

OCT 30 2020

Sequence: OJ26045 -

Instrument: OIA FS3000-2

Date: 10/26/20 08:27

Calibration: A0J2601 ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ26045-CAL1	Soil	QC	QC				
2	OJ26045-CAL2	Soil	QC	QC				A20H332 -
3	OJ26045-CAL3	Soil	QC	QC				A20H328 ✓
4	OJ26045-CAL4	Soil	QC	QC				A20H327 ✓
5	OJ26045-CAL5	Soil	QC	QC				A20H325 ✓
6	OJ26045-CAL6	Soil	QC	QC				A20H323 ✓
7	OJ26045-CAL7	Soil	QC	QC				A20H321 ✓
8	OJ26045-ICV1	Soil	QC	QC				A20J246 ✓
9	OJ26045-ICB1	Soil	QC	QC				
10	0100800-BLK2	Soil	QC	QC		0100800		
11	0100800-BS2	Soil	QC	QC		0100800		
12	0100800-BS3	Soil	QC	QC		0100800		
13	A0J0723-02RE1	Soil	Cyanide, Total (ASTM D7511, OIA)		10/28/20	0100800		
14	A0J0472-03RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
15	A0J0472-04RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/26/20	0100800		
16	OJ26045-CCV1	Soil	QC	QC				A20H323 ✓
17	OJ26045-CCB1	Soil	QC	QC				

10/26/20

Data Entered By/Date: JKP to 10-26-20

Comments:

Data Reviewed By/Date: CUNA 10/26/2020

Apex Laboratories OIA FS3000-2

Operator Name jkp
 Operator ID jkp
 Platform FS III/IV/3100
 Software Rev Code 234
 Data system ID 57

Result path C:\FLOW_4\0J26045.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 26-Oct-20
 Time acquired 11:12

----- TOTAL CN 50ppb -----

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	878261	27.233				
Sync 25 ppb	894353	27.704				
Sync 25 ppb	902634	27.946				
(Statistics)				891749	27.628	1.39%
Carryover	32416	2.154				
Read Baseline	11993	1.541	BL			
Cal 0.0 ppb	-24334	0.449				
Cal 1.0 ppb	-16057	0.698				
Cal 2.0 ppb	24806	1.926				
Cal 5.0 ppb	81347	3.622				
Cal 10.0 ppb	289178	9.833				
Cal 25.0 ppb	814770	25.372				
Cal 50.0 ppb	1662131	49.919				
Blank	27243	1.999				
Read Baseline	14971	1.630	BL UM			
0J26045-ICV1	844450	26.242				
0J26045-ICB1	24855	1.927				
Blank	8729	1.443				
Read Baseline	5467	1.345	BL			
0100800-BLK2	-14038	0.759				
0100800-BS2	13910	1.599				
0100800-BS3	686047	21.589				
Read Baseline	-3876	1.064	BL			
A0J0472-03RE2	805769	25.108				
A0J0472-04RE2	824811	25.667				
A0J0723-02RE1@10	1564998	47.137				
Read Baseline	8443	1.434	BL			

L 3%
UM
10/26/2020

BL UM Baseline marked incorrectly. Manually moved marker.

JKP 10-26-20

Result path C:\FLOW_4\0J26045.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 26-Oct-20
Time acquired 11:12

|----- TOTAL CN 50ppb -----|

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
0J26045-CCV1	869935	26.989-				
0J26045-CCB1	16963	1.690-				
Read Baseline	8941	1.449	BL			

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name jkp
 Operator ID jkp
 Platform FS III/IV/3100
 Software Rev Code 234
 Data system ID 57

Result path C:\FLOW_4\0J26045.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 26-Oct-20
 Time acquired 11:12

Date	Time	Cup	Name
26-Oct-20	10:02	106	Sync 25 ppb
26-Oct-20	10:04	106	Sync 25 ppb
26-Oct-20	10:06	106	Sync 25 ppb
			(Statistics)
26-Oct-20	10:08	0	Carryover
26-Oct-20	10:10	0	Read Baseline
26-Oct-20	10:12	101	Cal 0.0 ppb
26-Oct-20	10:14	102	Cal 1.0 ppb
26-Oct-20	10:16	103	Cal 2.0 ppb
26-Oct-20	10:18	104	Cal 5.0 ppb
26-Oct-20	10:20	105	Cal 10.0 ppb
26-Oct-20	10:22	106	Cal 25.0 ppb
26-Oct-20	10:24	107	Cal 50.0 ppb
26-Oct-20	10:26	0	Blank
26-Oct-20	10:28	0	Read Baseline
26-Oct-20	10:30	108	0J26045-ICV1
26-Oct-20	10:32	0	0J26045-ICB1
26-Oct-20	10:34	0	Blank
26-Oct-20	10:36	0	Read Baseline
26-Oct-20	10:38	109	0100800-BLK2
26-Oct-20	10:40	110	0100800-BS2
26-Oct-20	10:42	111	0100800-BS3
26-Oct-20	10:44	0	Read Baseline
26-Oct-20	10:46	112	A0J0472-03RE2
26-Oct-20	10:48	113	A0J0472-04RE2
26-Oct-20	10:50	114	A0J0723-02RE1@10
26-Oct-20	10:52	0	Read Baseline

JKP
 10-26-20

Result path C:\FLOW_4\0J26045.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 26-Oct-20
Time acquired 11:12

Date	Time	Cup	Name
26-Oct-20	10:54	106	0J26045-CCV1
26-Oct-20	10:56	0	0J26045-CCB1
26-Oct-20	10:58	0	Read Baseline

JKP
10-26-20

File name: C:\FLOW_4\0J26045.RST

Date: 26-Oct-20

Operator: jkp

* Name	Conc	Area
* Cal 0.0 ppb	0.000000	-24333.869141
* Cal 1.0 ppb	1.000000	-16057.470703
* Cal 2.0 ppb	2.000000	24806.322266
* Cal 5.0 ppb	5.000000	81346.867188
* Cal 10.0 ppb	10.000000	289178.218750
* Cal 25.0 ppb	25.000000	814769.937500
* Cal 50.0 ppb	50.000000	1662131.125000

Calib Coef:

$x = cy + by + a$

a: (intercept) 1.1808e+00

b: 3.0045e-05

c: -4.3471e-13

Corr Coef: 0.999134

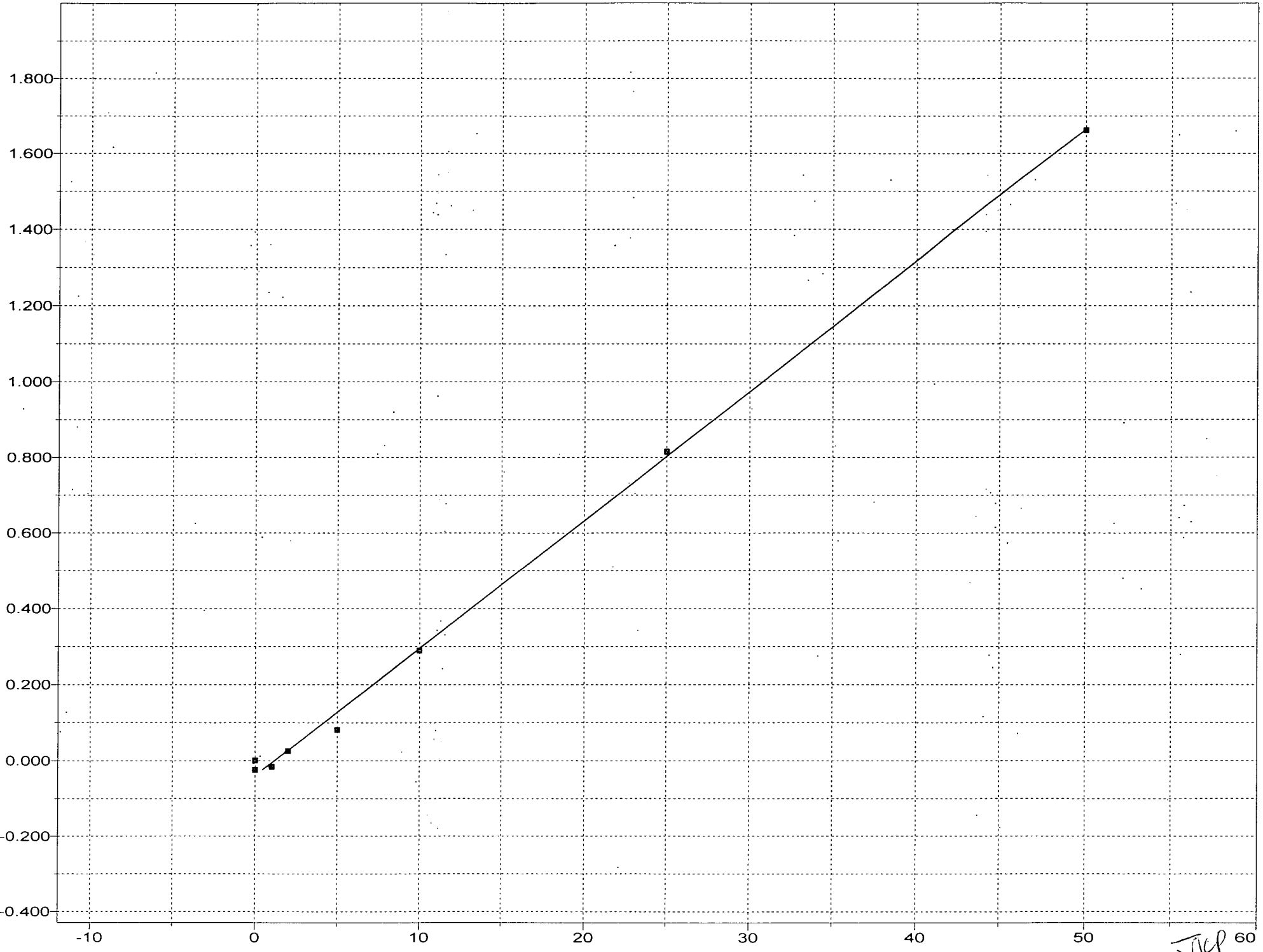
Carryover: n/a

No Drift Peaks

*OK
AMP
10/26/2020*

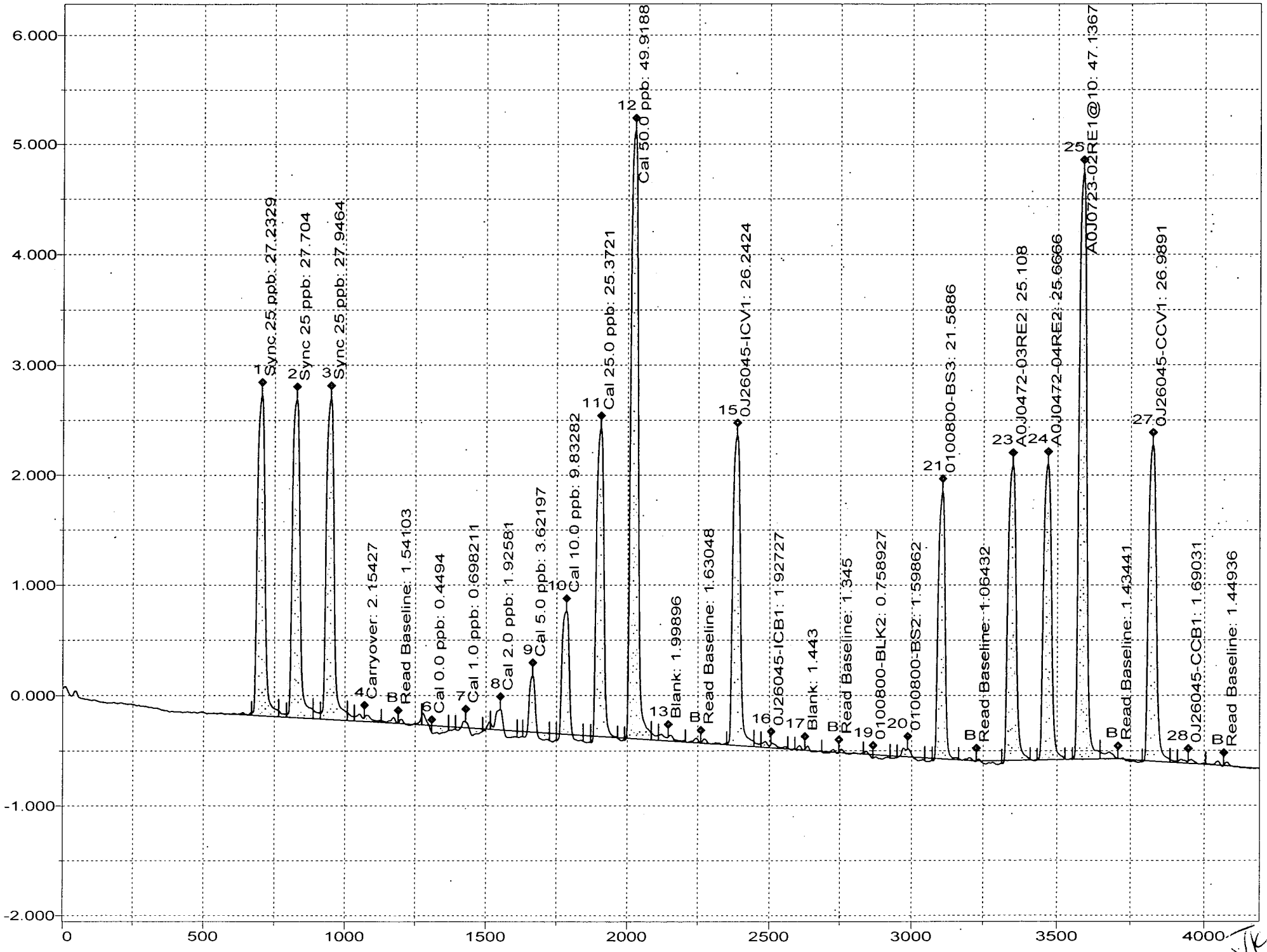
JKP

TOTAL CN 50ppb:Calibration 1: Peak 6-29



JTP
10-26-20

Channel 1: TOTAL CN 50ppb



JKP
10-26-20

Conventional Chemistry Parameters

**Total Organic Carbon- Soil (5310 B)
Benchsheet & Analysis Sequence Data**

Batch 0100457
Sequence 0J16020 (A0J0472-02,03,04,05,06)



Apex Laboratories
PREPARATION BENCH SHEET

JAN 16 2020

BATCH #: 0010457 (Soil)

Prep Method: NWTPH-HCID (Soil)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	2-8	>11	
	0010457-BLK1	QC	01/15/20 13:00	11	10				100						
	A0A0443-01	A NWTPH-HCID	01/15/20 13:00	10.13	10				100	6307 S1	QID				
	0010457-DUP1	QC	01/15/20 13:00	10.15	10		A0A0443-01		100						
	A0A0443-02	A NWTPH-HCID	01/15/20 13:00	10.26	10				100	6307 S2	QID				
	A0A0443-03	A NWTPH-HCID	01/15/20 13:00	10.35	10				100	6307 S3	QID				
	A0A0505-01	A NWTPH-HCID	01/15/20 17:46	10.2	10				100	6334 S1	QID				
	A0A0505-02	A NWTPH-HCID	01/15/20 17:46	10.13	10				100	6334 S2	QID				
	A0A0505-03	A NWTPH-HCID	01/15/20 17:46	10.7	10				100	6334 S3	QID				
	A0A0505-04	A NWTPH-HCID	01/15/20 17:46	10.72	10				100	6334 S4	QID				
	A0A0505-05	A NWTPH-HCID	01/15/20 17:46	10.95	10				100	6334 S5	QID				
	A0A0505-06	A NWTPH-HCID	01/15/20 17:46	10.26	10				100	6334 S6	QID				
	A0A0505-07	A NWTPH-HCID	01/15/20 17:46	10.08	10				100	6334 S7	QID				
	A0A0505-08	A NWTPH-HCID	01/15/20 17:46	10.76	10				100	6334 S8	QID				
	A0A0505-09	A NWTPH-HCID	01/15/20 17:46	10.37	10				100	6334 S9	QID				
	0010457-DUP2	QC	01/15/20 17:46	10.26	10		A0A0505-09		100						

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance				A19L268	03/02/20	NWTPH-DX Surr. in DCM (HCID Soils only)
A18K311	12/31/20	Glass Wool						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Prepared By: _____ Date: _____

Ben Ykhig 1.16.20
Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010457 (Soil)

Prep Method: NWTPH-HCID (Soil)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	2-8	>11	
	0010457-BLK1	QC	01/15/20 13:00	11	10				100						
	A0A0443-01	A NWTPH-HCID	01/15/20 13:00	10.13	10				100	6307 S1	QID				
	0010457-DUP1	QC	01/15/20 13:00	10.15	10		A0A0443-01		100						
	A0A0443-02	A NWTPH-HCID	01/15/20 13:00	10.26	10				100	6307 S2	QID				
	A0A0443-03	A NWTPH-HCID	01/15/20 13:00	10.35	10				100	6307 S3	QID				
1	A0A0505-01	A NWTPH-HCID	01/15/20 17:46	10 10.20	10 ✓				100	6334 S1	QID Soil (mud), rocks				
2	A0A0505-02	A NWTPH-HCID	01/15/20 17:46	10 10.13	10 ✓				100	6334 S2	QID Soil (mud), rocks				
3	A0A0505-03	A NWTPH-HCID	01/15/20 17:46	10 10.70	10 ✓				100	6334 S3	QID Soil (clay)				
4	A0A0505-04	A NWTPH-HCID	01/15/20 17:46	10 10.72	10 ✓				100	6334 S4	QID Soil (clay)				
5	A0A0505-05	A NWTPH-HCID	01/15/20 17:46	10 10.95	10 ✓				100	6334 S5	QID Soil (clay)				
6	A0A0505-06	A NWTPH-HCID	01/15/20 17:46	10 10.26	10 ✓				100	6334 S6	QID Soil (clay), rocks				
7	A0A0505-07	A NWTPH-HCID	01/15/20 17:46	10 10.08	10 ✓				100	6334 S7	QID Soil (clay)				
8	A0A0505-08	A NWTPH-HCID	01/15/20 17:46	10 10.76	10 ✓				100	6334 S8	QID Soil				
9	A0A0505-09	A NWTPH-HCID	01/15/20 17:46	10 10.37	10 ✓				100	6334 S9	QID Soil				
10	0010457-DUP2	QC	01/15/20 17:46	10 10.26	10 ✓		A0A0505-09		100		Soil				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance				A19L268	03/02/20	NWTPH-DX Surr. in DCM (HCID Soils only)
A18K311	12/31/20	Glass Wool						
A19L263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Prepared By: SCG Date: 01/15/2020
CAS Date: 01/15/2020

Reviewed By: CAS Date: 01/15/2020



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010457 (Soil)

Prep Method: NWTPH-HCID (Soil)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	8	>11	
1	0010457-BLK1	QC	01/15/20 13:00	10 14	10 ✓				100						
2	A0A0443-01	A NWTPH-HCID	01/15/20 13:00	10 10.13	10 ✓				100	6307 S1	QID Soil, rocks, odor				
3	0010457-DUP1	QC	01/15/20 13:00	10 10.15	10 ✓		A0A0443-01		100		Soil, rocks, odor				
4	A0A0443-02	A NWTPH-HCID	01/15/20 13:00	10 10.26	10 ✓				100	6307 S2	QID Soil (mud), rocks				
5	A0A0443-03	A NWTPH-HCID	01/15/20 13:00	10 10.35	10 ✓				100	6307 S3	QID Soil (rocks)				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance				A19L268	03/02/20	NWTPH-DX Surr. in DCM (HCID Soils only)
A18K311	12/31/20	Glass Wool						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Prepared By: SCG Date: 01/15/2020

Reviewed By: CAS Date: 01/15/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

OCT 28 2020

Sequence: OJ16020
Date: 10/16/20 08:23

Instrument: TOC6
Calibration: A0H1904

Table with columns: #, Lab Number, Matrix, Analysis, Client, Due, Batch, ISTD ID, STD ID. Contains 41 rows of data including lab numbers like OJ16020-CCV1 and A0J0371-01.

Data Entered By/Date: cum 10/27/2020

Data Reviewed By/Date: ALUF 10/27/20

Comments: Data for A0J0371 & A0J0472 re-entered using correct Test Code for Anchor. cum 10/27/2020

TOC conversion from dried @ 70 °C to "as received"

Sequence: 0J16020

Analyst: WVO

Sample ID	Tare (g)	initial + tare(g)	dried + tare(g)	correction factor	Skalar TOC (mg/kg)	Result for Element
A0J0371-01	1.2987	12.2831	5.5214	0.3844	24321.886	9350.0
0100457-DUP1	1.3091	12.2222	5.7535	0.4073	23073.974	9397.0
A0J0371-02	1.2987	12.0569	5.9157	0.4292	21929.138	9411.1
A0J0371-03	1.3077	11.8434	5.9501	0.4406	19147.591	8437.1
A0J0371-04	1.2715	12.2156	6.3650	0.4654	22312.345	10384.4
A0J0371-05	1.2843	11.7725	5.6502	0.4163	23370.316	9728.3
A0J0371-06	1.3039	12.1431	5.3250	0.3710	25659.414	9519.1
A0J0371-07	1.3024	12.4203	5.4206	0.3704	24611.144	9116.3
0100457-DUP3	1.2912	12.3893	5.4372	0.3736	25547.276	9543.9
A0J0371-08	1.2829	11.6407	5.2810	0.3860	26390.354	10186.6
A0J0371-09	1.2884	11.9944	5.4125	0.3852	26586.481	10241.5
A0J0371-10	1.2822	12.0933	5.5509	0.3948	26609.473	10506.6
A0J0472-02	1.2949	11.6638	7.6808	0.6159	10821.438	6664.6
A0J0472-03	1.3084	12.0992	6.4065	0.4724	19524.752	9224.4
A0J0472-04	1.2827	12.7822	6.0490	0.4145	25063.496	10388.3
A0J0472-05	1.3012	11.7224	6.7908	0.5268	15798.468	8322.2
A0J0472-06	1.3015	11.7519	6.1328	0.4623	23541.853	10883.6
0100457-DUP2	1.3091	12.2222	5.7535	0.4073	23353.245	9510.7



ELEMENT SEQUENCE LOG

Apex Laboratories

OCT 21 2020

Sequence: OJ16020 ✓

Instrument: TOC6

Date: 10/16/20 08:23

Calibration: A0H1904 ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ16020-CCV1	Soil	QC	QC				A20I376 ✓
2	OJ16020-CCB1	Soil	QC	QC				
3	0100457-BLK1	Soil	QC	QC		0100457		
4	0100457-BS1	Soil	QC	QC		0100457		
5	A0J0371-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
6	0100457-DUP1	Soil	QC	QC		0100457		
7	0100457-DUP2	Soil	QC	QC		0100457		
8	A0J0371-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
9	A0J0371-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
10	A0J0371-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
11	A0J0371-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
12	A0J0371-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
13	OJ16020-CCV2	Soil	QC	QC				A20I376 ✓
14	OJ16020-CCB2	Soil	QC	QC				
15	A0J0371-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
16	0100457-DUP3	Soil	QC	QC		0100457		
17	A0J0371-08	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
18	A0J0371-09	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
19	A0J0371-10	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100457		
20	A0J0472-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/26/20	0100457		
21	A0J0472-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/26/20	0100457		
22	A0J0472-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/26/20	0100457		
23	A0J0472-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/26/20	0100457		
24	A0J0472-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/26/20	0100457		
25	OJ16020-CCV3	Soil	QC	QC				A20I376 ✓
26	OJ16020-CCB3	Soil	QC	QC				

Comments:

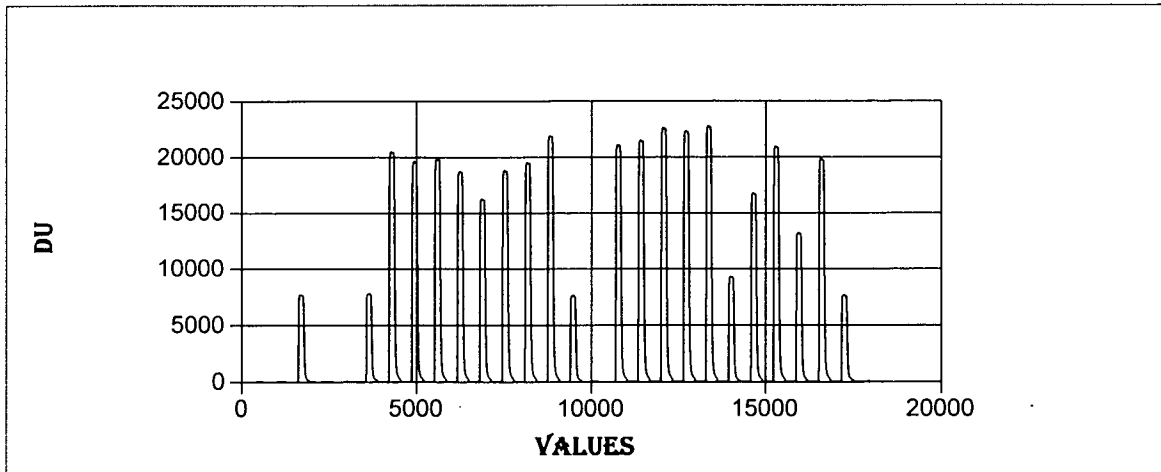
Data Entered By/Date: MWD 10/16/20

Data Reviewed By/Date: CMR 10/19/2020

Method: TCDirect Run Start Time: 10/16/2020 11:07:16
 Method Type: TC_DIRECT Run End Time: 10/16/2020 4:15:18
 Table: OJ16020A Device ID: TOC6
 Analyst: Administrator Run Name: SN10020201016A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A100	PRIME	200	31.066	0.006	4157.24	10/16/2020 11:07:26 AM
A2	BLANK	200	0	0	0	10/16/2020 11:18:33 AM
A1	OJ16020-CCV1	200	9500.536 -	1.9	1271370.61	10/16/2020 11:29:26 AM
A2	OJ16020-CCB1	200	42.762 -	0.009	5722.385	10/16/2020 11:40:12 AM
A3	0100457-BLK1	211.4	68.215 -	0.014	9648.905	10/16/2020 11:50:59 AM
A4	0100457-BS1	200	9558.007 -	1.912	1279061.445	10/16/2020 12:01:46 PM
A5	A0J0371-01	203.4	24321.886 -	4.947	3310108.73	10/16/2020 12:12:33 PM
A6	0100457-DUP1	205.3	23073.974 -	4.737	3169607.01	10/16/2020 12:23:19 PM
A7	0100457-DUP2	205.5	23353.245 -	4.799	3211094.865	10/16/2020 12:34:07 PM
A8	A0J0371-02	207.2	21929.138 -	4.544	3040222.62	10/16/2020 12:44:53 PM
A9	A0J0371-03	206.8	19147.591 -	3.96	2649468.405	10/16/2020 12:55:40 PM
A10	A0J0371-04	205.4	22312.345 -	4.583	3066477.145	10/16/2020 1:06:27 PM
A11	A0J0371-05	203.7	23370.316 -	4.761	3185295.19	10/16/2020 1:17:14 PM
A12	A0J0371-06	206.9	25659.414 -	5.309	3552231.83	10/16/2020 1:28:01 PM
A13	OJ16020-CCV2	200	9309.757 -	1.862	1245840.46	10/16/2020 1:38:48 PM
A2	OJ16020-CCB2	200	77.454 -	0.015	10364.93	10/16/2020 1:49:34 PM
A14	A0J0371-07	206.6	24611.144 -	5.085	3402171.37	10/16/2020 2:00:28 PM
A15	0100457-DUP3	203.5	25547.276 -	5.199	3478588.77	10/16/2020 2:11:22 PM
A16	A0J0371-08	206.5	26390.354 -	5.45	3646358.29	10/16/2020 2:22:09 PM
A17	A0J0371-09	203	26586.481 -	5.397	3611195.25	10/16/2020 2:32:56 PM
A18	A0J0371-10	207.3	26609.473 -	5.516	3690877.67	10/16/2020 2:43:43 PM
A19	A0J0472-02	208.2	10821.438 -	2.253	1507508.465	10/16/2020 2:54:29 PM
A20	A0J0472-03	208	19524.752 -	4.061	2717333.375	10/16/2020 3:05:17 PM
A21	A0J0472-04	203.1	25063.496 -	5.09	3406007.81	10/16/2020 3:16:04 PM
A22	A0J0472-05	203.6	15798.468 -	3.217	2152220.745	10/16/2020 3:26:51 PM
A23	A0J0472-06 3	203.9	23541.853 -	4.8	3211825.51	10/16/2020 3:37:38 PM
A24	OJ16020-CCV2	200	9444.589 -	1.889	1263883.78	10/16/2020 3:48:24 PM
A2	OJ16020-CCB2	200	77.725 -	0.016	10401.18	10/16/2020 3:59:11 PM

WVO
10/19/20



at am 10/19/2020

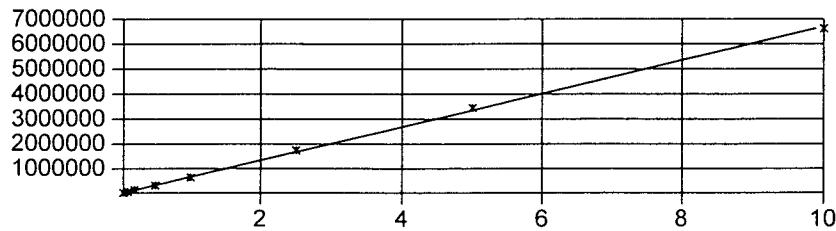
SNACCESS

RUN NAME : SN10020200818A3 METHOD NAME : TCDIRECT CALIBRATION TYPE : I

ORDER FORCED THRO ZERO GROUP : 1

A = 0.0000000000000000 B = 669104.68364697200000 R = 0.99973664180877 R-

SQUARED = 0.99942005573222



Conventional Chemistry Parameters

**Total Organic Carbon- Soil (5310 B)
Calibration Data**

Sequence 0H18059 (Cal ID A0H1904) TOC6



ELEMENT SEQUENCE LOG

Apex Laboratories

AUG 24 2020

Sequence: 0H18059 -

Instrument: TOC6

Date: 08/18/20 16:37

Calibration: AOH1804

AOH1904 mo 8/19/20

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0H18059-CAL1	Sediment	QC	QC				
2	0H18059-CAL2	Sediment	QC	QC				A20H281 ✓
3	0H18059-CAL3	Sediment	QC	QC				A20H282 ✓
4	0H18059-CAL4	Sediment	QC	QC				A20H283 ✓
5	0H18059-CAL5	Sediment	QC	QC				A20H284 ✓
6	0H18059-CAL6	Sediment	QC	QC				A20H285 ✓
7	0H18059-CAL7	Sediment	QC	QC				A20H286 ✓
8	0H18059-CAL8	Sediment	QC	QC				A20H287 ✓
9	0H18059-CAL9	Sediment	QC	QC				A20H288 ✓
10	0H18059-ICV1	Sediment	QC	QC				A20E110 ✓
11	0H18059-ICB1	Sediment	QC	QC				

Data Entered By/Date: *WVO 8/18/20*

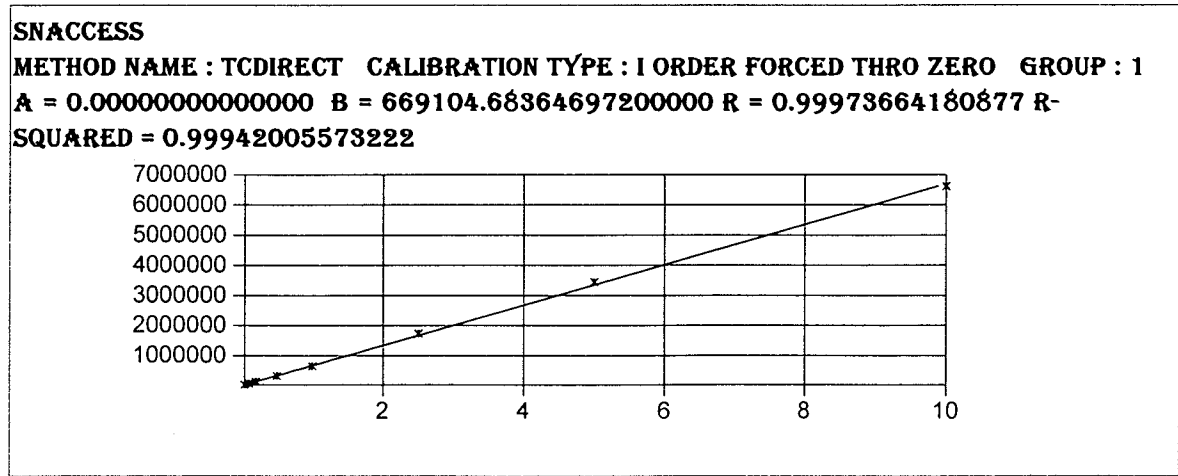
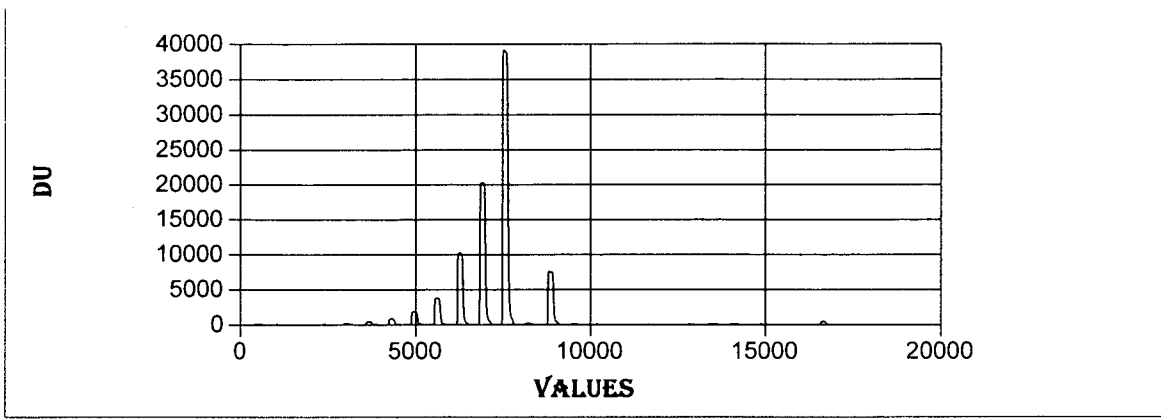
Comments:

Data Reviewed By/Date: *AWD 8/19/2020*

Method: TCDirect Run Start Time: 8/18/2020 4:59:13 P
 Method Type: TC_DIRECT Run End Time: 8/18/2020 9:46:17 P
 Table: OH18059 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200818A3

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	prime	200	105.248	0.021	14084.43	8/18/2020 4:59:24 PM
A18	blank	200	0	0	0	8/18/2020 5:10:25 PM
A2	blank	200	19.356	0.004	2590.265	8/18/2020 5:21:20 PM
A18	OH18059-CAL1	200	0	0	0	8/18/2020 5:32:13 PM
A19	OH18059-CAL2	40	1140.934	0.046	30536.16	8/18/2020 5:43:07 PM
A20	OH18059-CAL3	100	1075.239	0.108	71944.735	8/18/2020 5:53:54 PM
A21	OH18059-CAL4	200	1074.057	0.215	143731.35	8/18/2020 6:04:42 PM
A22	OH18059-CAL5	50	9779.244	0.489	327166.91	8/18/2020 6:15:28 PM
A23	OH18059-CAL6	100	9754.176	0.975	652656.49	8/18/2020 6:26:14 PM
A24	OH18059-CAL7	250	10405.909	2.601	1740660.62	8/18/2020 6:37:07 PM
A25	OH18059-CAL8	500	10328.711	5.164	3455494.44	8/18/2020 6:47:54 PM
A26	OH18059-CAL9	1000	9895.069	9.895	6620837.05	8/18/2020 6:58:40 PM
A98	OH18059-IBL1	200	251.829	0.05	333699.97	8/18/2020 7:09:26 PM
A27	OH18059-ICV1	200	9819.341 ✓	1.964	1314033.455	8/18/2020 7:20:27 PM
A2	OH18059-ICB1	200	162.52 ✓	0.033	21748.54	8/18/2020 7:31:13 PM
A19	CLEAN19	200	85.855	0.017	11489.14	8/18/2020 7:42:06 PM
A20	CLEAN20	200	62.561	0.013	8372.015	8/18/2020 7:53:00 PM
A21	CLEAN21	200	48.713	0.01	6518.76	8/18/2020 8:03:53 PM
A22	CLEAN22	200	48.015	0.01	6425.385	8/18/2020 8:14:46 PM
A23	CLEAN23	200	69.557	0.014	9308.23	8/18/2020 8:25:32 PM
A24	CLEAN24	200	46.695	0.009	6248.81	8/18/2020 8:36:19 PM
A25	CLEAN25	200	89.279	0.018	11947.395	8/18/2020 8:47:05 PM
A26	CLEAN26	200	49.395	0.01	6610.08	8/18/2020 8:57:52 PM
A27	CLEAN27	200	50.304	0.01	6731.79	8/18/2020 9:08:38 PM
A28	CLEAN28	200	23.025	0.005	3081.205	8/18/2020 9:19:31 PM
A30	CLEAN30	200	558.249	0.112	74705.365	8/18/2020 9:30:18 PM

Handwritten notes:
 WWS 8/19/20
 2445 = 0.489
 4875 = 0.975
 13,005 = 2.601
 5.164 = 25,820
 44475 = 9.895
 0.0002
 -230
 -540
 -1075
 WWS 8/19/20



Date : 8/19/2020

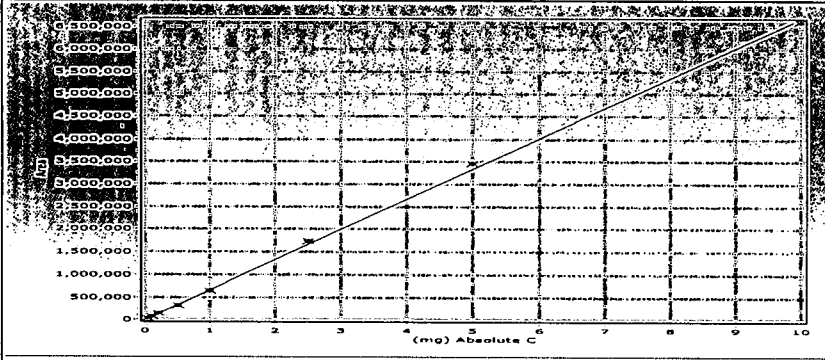
Run start date time : 8/18/2020 4:59:13 PM

Run end date : 8/18/2020 9:46:13 PM

Run Display Name : 0H18059

Run DB : SN10020200818A3

Created User : Administrator



Method Name : TCDirect
 Type : [Order Forced thro Zero] Group =
 a = 0 r = 0.99973664180877 ✓
 b = 669104.683646972 R-Squared = 0.99942005573222 ✓

Serial No.	Position	Type	Identity	Weight	Peak Area	Residuals
5	A19	S	0H18059-CAL2	40	30536.1600	12.3525
6	A20	S	0H18059-CAL3	100	71944.7350	6.9974
7	A21	S	0H18059-CAL4	200	143731.3500	6.8951
8	A22	S	0H18059-CAL5	50	327166.9100	2.2574
9	A23	S	0H18059-CAL6	100	652656.4900	2.5202
10	A24	S	0H18059-CAL7	250	1740660.6200	3.9008
11	A25	S	0H18059-CAL8	500	3455494.4400	3.1825
12	A26	S	0H18059-CAL9	1000	6620837.0500	1.0604

OK
 8/19/2020
 ↓

Total Solids by SM2540G
Benchsheet Data

Batch 0100456 (A0J0472-02,03,04,05,06)



Apex Laboratories
PREPARATION BENCH SHEET

JAN 16 2020

BATCH #: 0010456 (Solid)

Prep Method: EPA 3546 (Fuels)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5	>11
	0010456-BLK1	QC	01/15/20 12:57	10	5				100					
	0010456-BS1	QC	01/15/20 12:57	10	5	A20A166		100	100					
	A9L1045-01	A NWTPH-Dx (Diesel/Oil)	01/15/20 12:57	2.03	5				100	Pit	out of hold ok			
	0010456-DUP1	QC	01/15/20 12:57	2.02	5		A9L1045-01		100					
	A9L1045-01RE1	A NWTPH-Dx (Diesel/Oil)	01/15/20 12:57	2.03	5				100	Pit	out of hold ok			
	0010456-DUP2	QC	01/15/20 12:57	2.02	5		A9L1045-01RE1		100					

Standards/Reagents


Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20A166	07/11/20	NWTPH-DX Spike in Methanol	A20A129	04/27/20	NWTPH-DX Soil Surrogate in DCM
A18K311	12/31/20	Glass Wool						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Method 3546 digestion time and temperature achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____


 1-16-20
 Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010456 (Solid)

Prep Method: EPA 3546 (Fuels)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-8	>11
18	0010456-BLK1	QC	01/15/20 12:57	10 1.50	5				100					
19	0010456-BS1	QC	01/15/20 12:57	10	5	A20A166		100	100					
20	A9L1045-01	A NWTPH-Dx (Diesel/Oil)	01/15/20 12:57	10 2.03	5				100	Pit	out of hold ok Grey sludge (Lim Vol)			
21	0010456-DUPI	QC	01/15/20 12:57	10 2.02	5		A9L1045-01		100		Grey sludge (Lim Vol)			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20A166	07/11/20	NWTPH-DX Spike in Methanol	A19L269	04/27/20	NWTPH-DX Soil Surrogate in DCM
A18K311	12/31/20	Glass Wool				A20A129		
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Method 3546 digestion time and temperature achieved.
Initial: 567

Witness: JAG 1/15/2020

567 Prepared By: _____ Date: 01/15/2020

CAS Reviewed By: _____ Date: 01/15/2020

Balance Checksheets

Extractions October 2020
Wet Chem October 2020

Balance Challenge Log

Wet Chem Balance 1
 Ohaus Adventurer Pro
 ID# 8C30461093

Weight ID	weight (g)	acceptance range (g)	
	<0.5000g	± 0.5mg	
	>/=0.5000g	± 0.1%	
1000015949	0.005g	0.0045	0.0055
66067	0.100g	0.0995	0.1005
66067	100g	99.9000	100.1000

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: October
 Year: 2020

Alternate Weight/ID used: _____
 Date Range: _____

Day/Time	Initials
1	1116 AMB
2	923 HAS
3	
4	
5	1026 HAS
6	0839 MVD
7	0849 MVD
8	0833 JKP
9	1056 HAS
10	
11	
12	0920 HAS
13	0828 MVD
14	1028 HAS
15	1048 AMB
16	1005 HAS
17	
18	
19	1002 MVD
20	0856 MVD
21	0933 HAS
22	1120 AMB
23	1126 AMB
24	
25	
26	
27	
28	
29	
30	
31	

Weight 1	Observed
	100.0006
	100.0012
	100.0015
	100.0012
	100.0016
	100.0014
	100.0018
	100.0015
	100.0027
	100.0017
	100.0016
100.0000g	100.0009
	100.0014
	100.0009
	100.0012
	100.0000
	99.9998

Weight 2	Observed
	0.1001
	0.1002
	0.0999
	0.1001
	0.0999
	0.1000
^{HAS} 10/9/20 0.1010	0.1001
	0.0999
	0.1002
	0.1000
	0.1002
0.1000g	0.1002
	0.1000
	0.1000
	0.1000
	0.1002
	0.9998

Weight 3	Observed
	0.0048
	0.0049
	0.0051
	0.0050
	0.0049
	0.0051
	0.0054
	0.0053
	0.0049 0.0050
	0.0049
	0.0051
.0050g	0.0049
	0.0048
	0.0052
	0.0048
	0.0049
	0.0050

Balance Challenge Log

Wet Chem Balance 5
 Ohaus Pioneer PX124
 ID# C032834626

Weight ID	weight (g)	acceptance range (g)	
	<0.5000g	± 0.5mg	
	>=0.5000g	± 0.1%	
1000015949	0.005g	0.0045	0.0055
66067	0.100g	0.0995	0.1005
66067	100g	99.9000	100.1000

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: October
 Year: 2020

Alternate Weight/ID used: _____
 Date Range: _____

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16		100.0000g		0.1000g		.0050g	
17							
18							
19							
20							
21							
22							
23							
24							
25							
26	HAS 0948		100.0004		0.1000		0.0049
27	1027 AMB		99.9994		0.1000		0.0050
28	HAS 0910		99.9995		0.0998		0.0050
29	1140 AMB		99.9996		0.1000		0.0048
30	1015 AMB		100.0000		0.0999		0.0050
31							

Not in service

pre 10/26/20