



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 #:
A0J0343**

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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APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard, OR 97223

phone 503-718-2323

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Analytical Case Narrative

Analytical Case Narrative

Client: Anchor QEA, LLC
Project: US Moorings – C2, C3, C4
Apex Work Order Number: A0J0343

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: A0J0343 - 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 A0J0343, which was received by the laboratory on 10/9/2020 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	2.1 degC	Cooler #2	3.6 degC
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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:
A0J0343 - 11 16 20 0521

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
USMPDI-026SG-201008	A0J0343-01	SE	10/08/20 13:44	10/09/20 07:35
USMPDI-033SG-201008	A0J0343-02	SE	10/08/20 11:51	10/09/20 07:35
USMPDI-038SG-201008	A0J0343-03	SE	10/08/20 11:02	10/09/20 07:35
USMPDI-044SG-201008	A0J0343-04	SE	10/08/20 10:10	10/09/20 07:35
USMPDI-049SG-201008	A0J0343-05	SE	10/08/20 15:41	10/09/20 07:35
USMPDI-052SG-201008	A0J0343-06	SE	10/08/20 14:48	10/09/20 07:35
USMPDI-053SG-201008	A0J0343-07	SE	10/08/20 09:15	10/09/20 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: A0J0343 - 11 16 20 0521
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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-026SG-201008 (A0J0343-01RE3)			Matrix: SE		Batch: 0100835		C-05	
2,4'-DDD	ND	4.58	9.16	ug/kg dry	1	10/26/20 13:53	EPA 8081B	
2,4'-DDE	ND	4.58	9.16	ug/kg dry	1	10/26/20 13:53	EPA 8081B	
2,4'-DDT	ND	4.58	9.16	ug/kg dry	1	10/26/20 13:53	EPA 8081B	
4,4'-DDD	6.83	4.58	9.16	ug/kg dry	1	10/26/20 13:53	EPA 8081B	J, Q-41
4,4'-DDE	ND	4.58	9.16	ug/kg dry	1	10/26/20 13:53	EPA 8081B	
4,4'-DDT	ND	4.58	9.16	ug/kg dry	1	10/26/20 13:53	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 59 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>10/26/20 13:53</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>91 %</i>		<i>55-130 %</i>		<i>1</i>	<i>10/26/20 13:53</i>	<i>EPA 8081B</i>
USMPDI-033SG-201008 (A0J0343-02RE3)			Matrix: SE		Batch: 0100835		C-05	
2,4'-DDD	ND	4.87	9.75	ug/kg dry	1	10/26/20 14:11	EPA 8081B	
2,4'-DDE	ND	4.87	9.75	ug/kg dry	1	10/26/20 14:11	EPA 8081B	
2,4'-DDT	ND	4.87	9.75	ug/kg dry	1	10/26/20 14:11	EPA 8081B	
4,4'-DDD	6.58	4.87	9.75	ug/kg dry	1	10/26/20 14:11	EPA 8081B	J, Q-41
4,4'-DDE	ND	4.87	9.75	ug/kg dry	1	10/26/20 14:11	EPA 8081B	
4,4'-DDT	ND	4.87	9.75	ug/kg dry	1	10/26/20 14:11	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 55 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>10/26/20 14:11</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>84 %</i>		<i>55-130 %</i>		<i>1</i>	<i>10/26/20 14:11</i>	<i>EPA 8081B</i>
USMPDI-038SG-201008 (A0J0343-03RE3)			Matrix: SE		Batch: 0100835		C-05	
2,4'-DDD	ND	5.27	10.5	ug/kg dry	1	10/26/20 14:28	EPA 8081B	
2,4'-DDE	ND	5.27	10.5	ug/kg dry	1	10/26/20 14:28	EPA 8081B	
2,4'-DDT	ND	5.27	10.5	ug/kg dry	1	10/26/20 14:28	EPA 8081B	
4,4'-DDD	5.33	5.27	10.5	ug/kg dry	1	10/26/20 14:28	EPA 8081B	J, Q-41
4,4'-DDE	ND	5.27	10.5	ug/kg dry	1	10/26/20 14:28	EPA 8081B	
4,4'-DDT	ND	5.27	10.5	ug/kg dry	1	10/26/20 14:28	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 40 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>10/26/20 14:28</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>82 %</i>		<i>55-130 %</i>		<i>1</i>	<i>10/26/20 14:28</i>	<i>EPA 8081B</i>
USMPDI-044SG-201008 (A0J0343-04RE3)			Matrix: SE		Batch: 0100835		C-05	
2,4'-DDD	ND	5.30	10.6	ug/kg dry	1	10/26/20 14:45	EPA 8081B	
2,4'-DDE	ND	5.30	10.6	ug/kg dry	1	10/26/20 14:45	EPA 8081B	
2,4'-DDT	ND	5.30	10.6	ug/kg dry	1	10/26/20 14:45	EPA 8081B	
4,4'-DDD	ND	10.6	10.6	ug/kg dry	1	10/26/20 14:45	EPA 8081B	

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Darwin Thomas, Business Development Director



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: A0J0343 - 11 16 20 0521
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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-044SG-201008 (A0J0343-04RE3)			Matrix: SE		Batch: 0100835		C-05		
4,4'-DDE	ND	5.30	10.6	ug/kg dry	1	10/26/20 14:45	EPA 8081B		
4,4'-DDT	ND	5.30	10.6	ug/kg dry	1	10/26/20 14:45	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 46 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>		<i>10/26/20 14:45</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>86 %</i>		<i>55-130 %</i>		<i>1</i>		<i>10/26/20 14:45</i>	<i>EPA 8081B</i>
USMPDI-049SG-201008 (A0J0343-05RE3)			Matrix: SE		Batch: 0100835		C-05		
2,4'-DDD	ND	5.33	10.7	ug/kg dry	1	10/26/20 15:02	EPA 8081B		
2,4'-DDE	ND	10.7	10.7	ug/kg dry	1	10/26/20 15:02	EPA 8081B		
2,4'-DDT	ND	5.33	10.7	ug/kg dry	1	10/26/20 15:02	EPA 8081B		
4,4'-DDD	ND	10.7	10.7	ug/kg dry	1	10/26/20 15:02	EPA 8081B		
4,4'-DDE	ND	5.33	10.7	ug/kg dry	1	10/26/20 15:02	EPA 8081B		
4,4'-DDT	ND	5.33	10.7	ug/kg dry	1	10/26/20 15:02	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 46 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>		<i>10/26/20 15:02</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>83 %</i>		<i>55-130 %</i>		<i>1</i>		<i>10/26/20 15:02</i>	<i>EPA 8081B</i>
USMPDI-052SG-201008 (A0J0343-06RE3)			Matrix: SE		Batch: 0100835		C-05		
2,4'-DDD	ND	10.4	10.4	ug/kg dry	1	10/26/20 15:19	EPA 8081B		
2,4'-DDE	ND	22.9	22.9	ug/kg dry	1	10/26/20 15:19	EPA 8081B	R-02	
2,4'-DDT	ND	5.20	10.4	ug/kg dry	1	10/26/20 15:19	EPA 8081B		
4,4'-DDD	ND	23.9	23.9	ug/kg dry	1	10/26/20 15:19	EPA 8081B	R-02	
4,4'-DDE	ND	10.4	10.4	ug/kg dry	1	10/26/20 15:19	EPA 8081B		
4,4'-DDT	ND	10.9	10.9	ug/kg dry	1	10/26/20 15:19	EPA 8081B	R-02	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 54 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>		<i>10/26/20 15:19</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>87 %</i>		<i>55-130 %</i>		<i>1</i>		<i>10/26/20 15:19</i>	<i>EPA 8081B</i>
USMPDI-053SG-201008 (A0J0343-07RE3)			Matrix: SE		Batch: 0100835		C-05, R-04		
2,4'-DDD	ND	41.1	41.1	ug/kg dry	5	10/26/20 16:28	EPA 8081B		
2,4'-DDE	ND	76.0	76.0	ug/kg dry	5	10/26/20 16:28	EPA 8081B	R-02	
2,4'-DDT	ND	41.1	41.1	ug/kg dry	5	10/26/20 16:28	EPA 8081B		
4,4'-DDD	ND	119	119	ug/kg dry	5	10/26/20 16:28	EPA 8081B	R-02	
4,4'-DDE	ND	41.1	41.1	ug/kg dry	5	10/26/20 16:28	EPA 8081B		
4,4'-DDT	ND	55.5	55.5	ug/kg dry	5	10/26/20 16:28	EPA 8081B	R-02	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>		<i>10/26/20 16:28</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>111 %</i>		<i>55-130 %</i>		<i>5</i>		<i>10/26/20 16:28</i>	<i>EPA 8081B</i>

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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: A0J0343 - 11 16 20 0521
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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
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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: A0J0343 - 11 16 20 0521
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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-026SG-201008 (A0J0343-01RE1)				Matrix: SE		Batch: 0100373		
Total Cyanide	3.45	0.228	0.456	mg/kg dry	2	10/14/20 16:40	D7511-12	
USMPDI-033SG-201008 (A0J0343-02RE1)				Matrix: SE		Batch: 0100373		
Total Cyanide	2.66	0.250	0.500	mg/kg dry	2	10/14/20 16:54	D7511-12	
USMPDI-038SG-201008 (A0J0343-03RE1)				Matrix: SE		Batch: 0100373		
Total Cyanide	3.05	0.264	0.528	mg/kg dry	2	10/14/20 16:56	D7511-12	
USMPDI-044SG-201008 (A0J0343-04RE1)				Matrix: SE		Batch: 0100373		
Total Cyanide	13.3	1.33	2.66	mg/kg dry	10	10/14/20 16:58	D7511-12	
USMPDI-049SG-201008 (A0J0343-05RE1)				Matrix: SE		Batch: 0100373		
Total Cyanide	56.4	6.81	13.6	mg/kg dry	50	10/14/20 17:10	D7511-12	
USMPDI-052SG-201008 (A0J0343-06RE1)				Matrix: SE		Batch: 0100373		
Total Cyanide	114	13.0	26.0	mg/kg dry	100	10/14/20 17:14	D7511-12	
USMPDI-053SG-201008 (A0J0343-07RE2)				Matrix: SE		Batch: 0100373		
Total Cyanide	432	52.8	106	mg/kg dry	500	10/14/20 18:31	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-026SG-201008 (A0J0343-01)				Matrix: SE				
Batch: 0100381								
Total Organic Carbon	2.4	---	0.047	% dry	1	10/13/20 18:18	PSEP_SM 5310B MOD	
USMPDI-033SG-201008 (A0J0343-02)				Matrix: SE				
Batch: 0100381								
Total Organic Carbon	2.9	---	0.050	% dry	1	10/13/20 18:50	PSEP_SM 5310B MOD	
USMPDI-038SG-201008 (A0J0343-03)				Matrix: SE				
Batch: 0100381								
Total Organic Carbon	3.3	---	0.054	% dry	1	10/13/20 19:01	PSEP_SM 5310B MOD	
USMPDI-044SG-201008 (A0J0343-04)				Matrix: SE				
Batch: 0100381								
Total Organic Carbon	3.1	---	0.054	% dry	1	10/13/20 19:11	PSEP_SM 5310B MOD	
USMPDI-049SG-201008 (A0J0343-05)				Matrix: SE				
Batch: 0100381								
Total Organic Carbon	3.1	---	0.055	% dry	1	10/13/20 19:44	PSEP_SM 5310B MOD	
USMPDI-052SG-201008 (A0J0343-06)				Matrix: SE				
Batch: 0100381								
Total Organic Carbon	3.2	---	0.053	% dry	1	10/13/20 19:55	PSEP_SM 5310B MOD	
USMPDI-053SG-201008 (A0J0343-07)				Matrix: SE				
Batch: 0100381								
Total Organic Carbon	4.3	---	0.042	% dry	1	10/13/20 20:06	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-026SG-201008 (A0J0343-01)				Matrix: SE				
Batch: 0100376								
Total Solids	42.8	---	1.00	%	1	10/13/20 15:26	SM 2540 G	
USMPDI-033SG-201008 (A0J0343-02)				Matrix: SE				
Batch: 0100376								
Total Solids	40.0	---	1.00	%	1	10/13/20 15:26	SM 2540 G	
USMPDI-038SG-201008 (A0J0343-03)				Matrix: SE				
Batch: 0100376								
Total Solids	37.3	---	1.00	%	1	10/13/20 15:26	SM 2540 G	
USMPDI-044SG-201008 (A0J0343-04)				Matrix: SE				
Batch: 0100376								
Total Solids	36.9	---	1.00	%	1	10/13/20 15:26	SM 2540 G	
USMPDI-049SG-201008 (A0J0343-05)				Matrix: SE				
Batch: 0100376								
Total Solids	36.3	---	1.00	%	1	10/13/20 15:26	SM 2540 G	
USMPDI-052SG-201008 (A0J0343-06)				Matrix: SE				
Batch: 0100376								
Total Solids	37.6	---	1.00	%	1	10/13/20 15:26	SM 2540 G	
USMPDI-053SG-201008 (A0J0343-07)				Matrix: SE				
Batch: 0100376								
Total Solids	47.3	---	1.00	%	1	10/13/20 15:26	SM 2540 G	

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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 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 59 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		86 %		55-130 %		"						
LCS (0100835-BS1)												
Prepared: 10/22/20 11:08 Analyzed: 10/26/20 13:36 C-05												
<u>EPA 8081B</u>												
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%	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 65 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		94 %		55-130 %		"						
Duplicate (0100835-DUP1)												
Prepared: 10/22/20 11:08 Analyzed: 10/26/20 17:23 C-05												
<u>QC Source Sample: Non-SDG (A0J0472-02RE1)</u>												
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
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 101 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		106 %		55-130 %		"						
Matrix Spike (0100835-MS1)												
Prepared: 10/22/20 11:08 Analyzed: 10/27/20 17:48 C-05												

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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: Non-SDG (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

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 0100373 - ASTM D7511-12mod (S)												
Soil												
Blank (0100373-BLK1) Prepared: 10/12/20 09:47 Analyzed: 10/13/20 11:57												
<u>D7511-12</u>												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
LCS (0100373-BS1) Prepared: 10/12/20 09:47 Analyzed: 10/13/20 11:59												
<u>D7511-12</u>												
Total Cyanide	0.363	0.0500	0.100	mg/kg wet	1	0.400	---	91	84-116%	---	---	
Matrix Spike (0100373-MS3) Prepared: 10/12/20 09:47 Analyzed: 10/14/20 16:30												
<u>QC Source Sample: Non-SDG (A0J0281-03RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	4.65	0.648	1.30	mg/kg dry	5	1.04	4.09	55	64-136%	---	---	Q-04, Q-16
Matrix Spike (0100373-MS4) Prepared: 10/12/20 09:47 Analyzed: 10/14/20 16:42												
<u>QC Source Sample: USMPDI-026SG-201008 (A0J0343-01RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	2.60	0.231	0.462	mg/kg dry	2	0.924	3.45	-92	64-136%	---	---	Q-04, Q-16
Matrix Spike Dup (0100373-MSD3) Prepared: 10/12/20 09:47 Analyzed: 10/14/20 16:32												
<u>QC Source Sample: Non-SDG (A0J0281-03RE1)</u>												
Total Cyanide	8.80	0.651	1.30	mg/kg dry	5	1.04	4.09	453	64-136%	62	47%	Q-04, Q-16
Matrix Spike Dup (0100373-MSD4) Prepared: 10/12/20 09:47 Analyzed: 10/14/20 16:44												
<u>QC Source Sample: USMPDI-026SG-201008 (A0J0343-01RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	2.66	0.233	0.466	mg/kg dry	2	0.933	3.45	-84	64-136%	3	47%	Q-04, 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 0100381 - PSEP-5310B TOC						Soil						
Blank (0100381-BLK1)			Prepared: 10/12/20 11:41 Analyzed: 10/13/20 17:34									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	ND	---	0.020	% wet	1	---	---	---	---	---	---	
LCS (0100381-BS1)			Prepared: 10/12/20 11:41 Analyzed: 10/13/20 17:45									
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	9500	---		mg/kg	1	10000	---	95	88-111%	---	---	
Duplicate (0100381-DUP1)			Prepared: 10/12/20 11:41 Analyzed: 10/13/20 18:28									
<u>QC Source Sample: USMPDI-026SG-201008 (A0J0343-01)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	2.5	---	0.047	% dry	1	---	2.4	---	---	5	27%	
Duplicate (0100381-DUP2)			Prepared: 10/12/20 11:41 Analyzed: 10/13/20 18:39									
<u>QC Source Sample: USMPDI-026SG-201008 (A0J0343-01)</u>												
<u>PSEP_SM 5310B MOD</u>												
Total Organic Carbon	2.5	---	0.047	% dry	1	---	2.4	---	---	4	27%	
Duplicate (0100381-DUP3)			Prepared: 10/12/20 11:41 Analyzed: 10/13/20 20:27									
<u>QC Source Sample: Non-SDG (A0J0344-01)</u>												
Total Organic Carbon	3.4	---	0.056	% dry	1	---	3.4	---	---	2	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 0100376 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0100376-DUP1)			Prepared: 10/12/20 10:19 Analyzed: 10/13/20 15:26									
<u>QC Source Sample: Non-SDG (A0J0344-01)</u>												
Total Solids	35.8	---	1.00	%	1	---	35.8	---	---	0.04	10%	
Duplicate (0100376-DUP2)			Prepared: 10/12/20 10:19 Analyzed: 10/13/20 15:26									
<u>QC Source Sample: Non-SDG (A0J0298-19)</u>												
Total Solids	87.0	---	1.00	%	1	---	86.6	---	---	0.4	10%	

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

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

Report ID:

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SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100835							
A0J0343-01RE3	SE	EPA 8081B	10/08/20 13:44	10/22/20 17:43	5.1g/10mL	10g/5mL	3.92
A0J0343-02RE3	SE	EPA 8081B	10/08/20 11:51	10/22/20 17:43	5.13g/10mL	10g/5mL	3.90
A0J0343-03RE3	SE	EPA 8081B	10/08/20 11:02	10/22/20 17:43	5.09g/10mL	10g/5mL	3.93
A0J0343-04RE3	SE	EPA 8081B	10/08/20 10:10	10/22/20 17:43	5.11g/10mL	10g/5mL	3.91
A0J0343-05RE3	SE	EPA 8081B	10/08/20 15:41	10/22/20 17:43	5.17g/10mL	10g/5mL	3.87
A0J0343-06RE3	SE	EPA 8081B	10/08/20 14:48	10/22/20 17:43	5.11g/10mL	10g/5mL	3.91
A0J0343-07RE3	SE	EPA 8081B	10/08/20 09:15	10/22/20 17:43	5.14g/10mL	10g/5mL	3.89

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: 0100373							
A0J0343-01RE1	SE	D7511-12	10/08/20 13:44	10/12/20 09:47	2.5628g/50mL	2.5g/50mL	0.98
A0J0343-02RE1	SE	D7511-12	10/08/20 11:51	10/12/20 09:47	2.5003g/50mL	2.5g/50mL	1.00
A0J0343-03RE1	SE	D7511-12	10/08/20 11:02	10/12/20 09:47	2.5413g/50mL	2.5g/50mL	0.98
A0J0343-04RE1	SE	D7511-12	10/08/20 10:10	10/12/20 09:47	2.5483g/50mL	2.5g/50mL	0.98
A0J0343-05RE1	SE	D7511-12	10/08/20 15:41	10/12/20 09:47	2.5262g/50mL	2.5g/50mL	0.99
A0J0343-06RE1	SE	D7511-12	10/08/20 14:48	10/12/20 09:47	2.5573g/50mL	2.5g/50mL	0.98
A0J0343-07RE2	SE	D7511-12	10/08/20 09:15	10/12/20 09:47	2.5008g/50mL	2.5g/50mL	1.00

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0100381							
A0J0343-01	SE	PSEP_SM 5310B MOD	10/08/20 13:44	10/12/20 11:41			NA
A0J0343-02	SE	PSEP_SM 5310B MOD	10/08/20 11:51	10/12/20 11:41			NA
A0J0343-03	SE	PSEP_SM 5310B MOD	10/08/20 11:02	10/12/20 11:41			NA
A0J0343-04	SE	PSEP_SM 5310B MOD	10/08/20 10:10	10/12/20 11:41			NA
A0J0343-05	SE	PSEP_SM 5310B MOD	10/08/20 15:41	10/12/20 11:41			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
A0J0343-06	SE	PSEP_SM 5310B MOD	10/08/20 14:48	10/12/20 11:41			NA
A0J0343-07	SE	PSEP_SM 5310B MOD	10/08/20 09:15	10/12/20 11:41			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: 0100376</u>							
A0J0343-01	SE	SM 2540 G	10/08/20 13:44	10/12/20 10:19			NA
A0J0343-02	SE	SM 2540 G	10/08/20 11:51	10/12/20 10:19			NA
A0J0343-03	SE	SM 2540 G	10/08/20 11:02	10/12/20 10:19			NA
A0J0343-04	SE	SM 2540 G	10/08/20 10:10	10/12/20 10:19			NA
A0J0343-05	SE	SM 2540 G	10/08/20 15:41	10/12/20 10:19			NA
A0J0343-06	SE	SM 2540 G	10/08/20 14:48	10/12/20 10:19			NA
A0J0343-07	SE	SM 2540 G	10/08/20 09:15	10/12/20 10:19			NA

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

Project Number: [none]

Project Manager: **Delaney Peterson**

Report ID:

A0J0343 - 11 16 20 0521

QUALIFIER DEFINITIONS

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

Apex Laboratories

- C-05** Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-16** Reanalysis of an original Batch QC sample.
- Q-41** Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- R-04** Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

QC Source:

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

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

Miscellaneous Notes:

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

Blanks:

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

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Project: US Moorings -- C2, C3, C4

Project Number: [none]

Project Manager: Delaney Peterson

Report ID:

A0J0343 - 11 16 20 0521

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

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

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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:

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Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

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Project: **US Moorings – C2, C3, C4**

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

Report ID:
A0J0343 - 11 16 20 0521

A0J0343

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



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

POC: **Delaney Peterson (360-715-2707)** Project: **Gasco/Siltronic: US Moorings** COC ID: **APEX-20201008-154617**
1605 Cornwell Avenue, Bellingham, WA 98225 Client: **NW Natural** Sample Custodian: **dp, sl, ns**
Lab: **Apex**

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab #	OC*	Test Request	Method	TAT**	Preservative
001	USMPDI-0485G-201008	N	SE	10/08/2020	13:44	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	4°C
002	USMPDI-0383G-201008	N	SE	10/08/2020	11:51	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	4°C
003	USMPDI-0385G-201008	N	SE	10/08/2020	11:02	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	4°C
004	USMPDI-0445G-201008	N	SE	10/08/2020	10:10	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	4°C
005	USMPDI-0485G-201008	N	SE	10/08/2020	15:41	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	4°C

Comment:

Received By:	Signature: <i>[Signature]</i>	Print Name: <i>[Name]</i>	Company: <i>[Company]</i>	Date/Time: <i>10/9/20 07:35</i>
Relinquished By:	Signature: <i>[Signature]</i>	Print Name: <i>[Name]</i>	Company: <i>[Company]</i>	Date/Time: <i>10/10/20 13:57</i>
Requested By:	Signature:	Print Name:	Company:	Date/Time:

Date Printed: **10/8/2020** Page 1 of 2
* Lab OC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

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.

[Signature]



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:
A0J0343 - 11 16 20 0521

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0J0343

COC ID: APEX-20201008-154617
Sample Custodian: dp, sl, ns
Lab: Apex

Anchor QEA, LLC
101 3rd Avenue, Suite 2000, Seattle, WA 98101

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

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab QC #	Test Request	Method	TAT**	Preservative
005	USMPDI-0485G-201008	N	SE	10/08/2020	15:41	1	<input type="checkbox"/>	TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	SM5310B SM6081B SM2540G	30 30 30	4°C 4°C 4°C
006	USMPDI-0425G-201008	N	SE	10/08/2020	14:48	1	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM5310B SM6081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
007	USMPDI-0535G-201008	N	SE	10/08/2020	9:15	1	<input type="checkbox"/>	Cyanide TOC LR Pesticides (QAPP C-2, C-3, and C-4) Total solids (APEX)	D7511-12 SM5310B SM6081B SM2540G	30 30 30 30	4°C 4°C 4°C 4°C

Comment:

Relinquished By:	Relinquished By:	Relinquished By:	Relinquished By:
Signature: [Signature]	Signature: [Signature]	Signature: [Signature]	Signature: [Signature]
Print Name: Delaney Peterson	Print Name: Delaney Peterson	Print Name: Delaney Peterson	Print Name: Delaney Peterson
Company: A Q	Company: A Q	Company: A Q	Company: A Q
Date/Time: 10.9.20	Date/Time: 10.9.20	Date/Time: 10.9.20	Date/Time: 10.9.20

Date Printed: 10/8/2020

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

Page 2 of 2

Apex Laboratories

Delaney Peterson

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: <u>US Moorings -- C2, C3, C4</u> Project Number: [none] Project Manager: <u>Delaney Peterson</u>	Report ID: A0J0343 - 11 16 20 0521
--	---	--

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A0 J0343

Project/Project #: Gasco Siltronic : US Moorings

Delivery Info:
 Date/time received: 10/9/20 @ 735 By: JS
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 10/9/20 @ 915 By: JS

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

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.1</u>	<u>3.6</u>					
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>					
Temp. blanks? (Y/N)	<u>N</u>	<u>N</u>					
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>Real</u>					
Condition:	<u>good</u>	<u>good</u>					

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

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

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

Samples Inspection: Date/time inspected: 10/10/20 @ 1051 By: JS

All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: _____

COC/container discrepancies form initiated? Yes No

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: NRP See Project Contact Form: Y



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

A0J0343

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:	10/23/20 17:00 (10 day TAT)	Date Received:	10/09/20 07:35
Received By:	Jennifer Sutton	Date Logged In:	10/10/20 10:56
Logged In By:	Susan L. Treat		

Cooler #1 received at 2.1°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 3.6°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
A0J0343-01 USMPDI-026SG-201008 [Sediment] Sampled 10/08/20 13:44				
(GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/14/20 17:00	3	04/06/21 13:44	use TS data, make non-reportable
Project Mgmt				
Data Package	12/02/20 17:00	10	01/15/21 13:44	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:00	10	10/22/20 13:44	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/22/20 17:00	10	10/22/20 13:44	
Solids, Total (SM 2540 G,B)	10/22/20 17:00	10	04/06/21 13:44	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/05/20 13:44	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/22/20 17:00	10	11/05/20 13:44	

A0J0343-02 USMPDI-033SG-201008 [Sediment] Sampled 10/08/20 11:51				
(GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	10/14/20 17:00	3	04/06/21 11:51	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:00	10	10/22/20 11:51	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/22/20 17:00	10	10/22/20 11:51	
Solids, Total (SM 2540 G,B)	10/22/20 17:00	10	04/06/21 11:51	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/05/20 11:51	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/22/20 17:00	10	11/05/20 11:51	

A0J0343

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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A0J0343-03 USMPDI-038SG-201008 [Sediment] Sampled 10/08/20 11:02 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/14/20 17:00	3	04/06/21 11:02	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:00	10	10/22/20 11:02	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/22/20 17:00	10	10/22/20 11:02	
Solids, Total (SM 2540 G,B)	10/22/20 17:00	10	04/06/21 11:02	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/05/20 11:02	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/22/20 17:00	10	11/05/20 11:02	

A0J0343-04 USMPDI-044SG-201008 [Sediment] Sampled 10/08/20 10:10 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/14/20 17:00	3	04/06/21 10:10	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:00	10	10/22/20 10:10	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/22/20 17:00	10	10/22/20 10:10	
Solids, Total (SM 2540 G,B)	10/22/20 17:00	10	04/06/21 10:10	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/05/20 10:10	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/22/20 17:00	10	11/05/20 10:10	

A0J0343-05 USMPDI-049SG-201008 [Sediment] Sampled 10/08/20 15:41 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/14/20 17:00	3	04/06/21 15:41	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:00	10	10/22/20 15:41	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/22/20 17:00	10	10/22/20 15:41	
Solids, Total (SM 2540 G,B)	10/22/20 17:00	10	04/06/21 15:41	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/05/20 15:41	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/22/20 17:00	10	11/05/20 15:41	

A0J0343

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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A0J0343-06 USMPDI-052SG-201008 [Sediment] Sampled 10/08/20 14:48

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

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/14/20 17:00	3	04/06/21 14:48	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:00	10	10/22/20 14:48	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/22/20 17:00	10	10/22/20 14:48	
Solids, Total (SM 2540 G,B)	10/22/20 17:00	10	04/06/21 14:48	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/05/20 14:48	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/22/20 17:00	10	11/05/20 14:48	

A0J0343-07 USMPDI-053SG-201008 [Sediment] Sampled 10/08/20 09:15

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

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	10/14/20 17:00	3	04/06/21 09:15	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	10/22/20 17:00	10	10/22/20 09:15	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	10/22/20 17:00	10	10/22/20 09:15	
Solids, Total (SM 2540 G,B)	10/22/20 17:00	10	04/06/21 09:15	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	11/03/20 17:00	10	11/05/20 09:15	5310C is completed; added 10/26, 2 d
Total Organic Carbon - Soil (5310 B)	10/22/20 17:00	10	11/05/20 09:15	

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0J0343

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: APEX-20201008-154617
Sample Custodian: dp, sl, ns
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-026SG-201008	N	SE	10/08/2020	13:44	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
002	USMPDI-033SG-201008	N	SE	10/08/2020	11:51	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
003	USMPDI-038SG-201008	N	SE	10/08/2020	11:02	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
004	USMPDI-044SG-201008	N	SE	10/08/2020	10:10	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
005	USMPDI-049SG-201008	N	SE	10/08/2020	15:41	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: 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>[Signature]</i>	Print Name: _____	Print Name: _____	Print Name: _____	Print Name: _____
Company: ACP	Company: Apex	Company: _____	Company: _____	Company: _____	Company: _____
Date/Time: 10.9.20 0735	Date/Time: 10/9/20 739	Date/Time: _____	Date/Time: _____	Date/Time: _____	Date/Time: _____

Date Printed: 10/8/2020

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0J0343

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: APEX-20201008-154617
Sample Custodian: dp, sl, ns
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
005	USMPDI-049SG-201008	N	SE	10/08/2020	15:41	1	<input type="checkbox"/>	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
006	USMPDI-052SG-201008	N	SE	10/08/2020	14:48	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
007	USMPDI-053SG-201008	N	SE	10/08/2020	9:15	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: D Peterson	Print Name: [Signature]	Print Name:	Print Name:	Print Name:	Print Name:
Company: A Q	Company: Apex	Company:	Company:	Company:	Company:
Date/Time: 10.9.20	Date/Time: 10.9.20 13:15	Date/Time:	Date/Time:	Date/Time:	Date/Time:

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A0 J0843

Project/Project #: Gasco Siltronic: US Moorings

Delivery Info:

Date/time received: 10/9/20 @ 735 By: JS

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

Cooler Inspection Date/time inspected: 10/9/20 @ 915 By: JS

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

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.1</u>	<u>3.6</u>					
Received on ice? (Y/N)	<u>y</u>	<u>y</u>					
Temp. blanks? (Y/N)	<u>N</u>	<u>N</u>					
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>Real</u>					
Condition:	<u>good</u>	<u>good</u>					

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

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

Samples Inspection: Date/time inspected: 10/10/20 @ 1051 By: JO

All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: _____

COC/container discrepancies form initiated? Yes No

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: A0J0343
CLASS: GC
METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-026SG-201008</u>	<u>A0J0343-01</u>	<u>SE</u>
<u>USMPDI-033SG-201008</u>	<u>A0J0343-02</u>	<u>SE</u>
<u>USMPDI-038SG-201008</u>	<u>A0J0343-03</u>	<u>SE</u>
<u>USMPDI-044SG-201008</u>	<u>A0J0343-04</u>	<u>SE</u>
<u>USMPDI-049SG-201008</u>	<u>A0J0343-05</u>	<u>SE</u>
<u>USMPDI-052SG-201008</u>	<u>A0J0343-06</u>	<u>SE</u>
<u>USMPDI-053SG-201008</u>	<u>A0J0343-07</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 1:54PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0343

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'-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
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'-DDT [2C]	0.500	1.00	ug/kg

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

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-026SG-201008

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>A0J0343</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>US Moorings -- C2, C3, C4</u>
Matrix:	<u>SE</u>	Laboratory ID:	<u>A0J0343-01RE3</u>
Sampled:	<u>10/08/20 13:44</u>	Prepared:	<u>10/22/20 17:43</u>
Solids:	<u>42.80</u>	Preparation:	<u>EPA 3546</u>
Batch:	<u>0100835</u>	Sequence:	<u>0J26062</u>
		Calibration:	<u>A0J1506</u>
		Instrument:	<u>DUALECD5</u>
File ID:	<u>ECD5-10262009.D</u>	Analyzed:	<u>10/26/20 13:53</u>
Initial/Final:	<u>5.1 g / 10 mL</u>		

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	4.58	U
3424-82-6	2,4'-DDE	1	4.58	U
789-02-6	2,4'-DDT	1	4.58	U
72-54-8	4,4'-DDD [2C]	1	6.83	J
72-55-9	4,4'-DDE	1	4.58	U
50-29-3	4,4'-DDT [2C]	1	4.58	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	229	134	59	42 - 129	
Decachlorobiphenyl (Surr)	229	208	91	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-033SG-201008

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0343</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0343-02RE3</u>	File ID: <u>ECD5-10262010.D</u>
Sampled: <u>10/08/20 11:51</u>	Prepared: <u>10/22/20 17:43</u>	Analyzed: <u>10/26/20 14:11</u>
Solids: <u>40.00</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>5.13 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	4.87	U
3424-82-6	2,4'-DDE	1	4.87	U
789-02-6	2,4'-DDT	1	4.87	U
72-54-8	4,4'-DDD [2C]	1	6.58	J
72-55-9	4,4'-DDE	1	4.87	U
50-29-3	4,4'-DDT [2C]	1	4.87	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	244	133	55	42 - 129	
Decachlorobiphenyl (Surr)	244	204	84	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-038SG-201008

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0343</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0343-03RE3</u>	File ID: <u>ECD5-10262011.D</u>
Sampled: <u>10/08/20 11:02</u>	Prepared: <u>10/22/20 17:43</u>	Analyzed: <u>10/26/20 14:28</u>
Solids: <u>37.25</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>5.09 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	5.27	U
3424-82-6	2,4'-DDE	1	5.27	U
789-02-6	2,4'-DDT	1	5.27	U
72-54-8	4,4'-DDD [2C]	1	5.33	J
72-55-9	4,4'-DDE	1	5.27	U
50-29-3	4,4'-DDT [2C]	1	5.27	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	264	105	40	42 - 129	*
Decachlorobiphenyl (Surr)	264	216	82	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-044SG-201008

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0343</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0343-04RE3</u>	File ID: <u>ECD5-10262012.D</u>
Sampled: <u>10/08/20 10:10</u>	Prepared: <u>10/22/20 17:43</u>	Analyzed: <u>10/26/20 14:45</u>
Solids: <u>36.92</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>5.11 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	5.30	U
3424-82-6	2,4'-DDE	1	5.30	U
789-02-6	2,4'-DDT	1	5.30	U
72-54-8	4,4'-DDD [2C]	1	10.6	U
72-55-9	4,4'-DDE	1	5.30	U
50-29-3	4,4'-DDT [2C]	1	5.30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	265	122	46	42 - 129	
Decachlorobiphenyl (Surr)	265	228	86	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-049SG-201008

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0343</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0343-05RE3</u>	File ID: <u>ECD5-10262013.D</u>
Sampled: <u>10/08/20 15:41</u>	Prepared: <u>10/22/20 17:43</u>	Analyzed: <u>10/26/20 15:02</u>
Solids: <u>36.31</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>5.17 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	5.33	U
3424-82-6	2,4'-DDE	1	10.7	U
789-02-6	2,4'-DDT	1	5.33	U
72-54-8	4,4'-DDD [2C]	1	10.7	U
72-55-9	4,4'-DDE	1	5.33	U
50-29-3	4,4'-DDT [2C]	1	5.33	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	266	124	46	42 - 129	
Decachlorobiphenyl (Surr)	266	221	83	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-052SG-201008

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0343</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0343-06RE3</u>	File ID: <u>ECD5-10262014.D</u>
Sampled: <u>10/08/20 14:48</u>	Prepared: <u>10/22/20 17:43</u>	Analyzed: <u>10/26/20 15:19</u>
Solids: <u>37.61</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>5.11 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	10.4	U
3424-82-6	2,4'-DDE [2C]	1	22.9	U
789-02-6	2,4'-DDT	1	5.20	U
72-54-8	4,4'-DDD [2C]	1	23.9	U
72-55-9	4,4'-DDE	1	10.4	U
50-29-3	4,4'-DDT [2C]	1	10.9	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr)	260	140	54	42 - 129	
Decachlorobiphenyl (Surr)	260	226	87	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-053SG-201008

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0343</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0J0343-07RE3</u>	File ID: <u>ECD5-10262018.D</u>
Sampled: <u>10/08/20 09:15</u>	Prepared: <u>10/22/20 17:43</u>	Analyzed: <u>10/26/20 16:28</u>
Solids: <u>47.34</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>5.14 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	5	41.1	U
3424-82-6	2,4'-DDE [2C]	5	76.0	U
789-02-6	2,4'-DDT	5	41.1	U
72-54-8	4,4'-DDD [2C]	5	119	U
72-55-9	4,4'-DDE	5	41.1	U
50-29-3	4,4'-DDT [2C]	5	55.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	205	169	82	42 - 129	
Decachlorobiphenyl (Surr)	205	229	111	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0343

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-026SG-201008	A0J0343-01RE3	ECD5-10262009.D	10/22/20 17:43	
USMPDI-033SG-201008	A0J0343-02RE3	ECD5-10262010.D	10/22/20 17:43	
USMPDI-038SG-201008	A0J0343-03RE3	ECD5-10262011.D	10/22/20 17:43	
USMPDI-044SG-201008	A0J0343-04RE3	ECD5-10262012.D	10/22/20 17:43	
USMPDI-049SG-201008	A0J0343-05RE3	ECD5-10262013.D	10/22/20 17:43	
USMPDI-052SG-201008	A0J0343-06RE3	ECD5-10262014.D	10/22/20 17:43	
USMPDI-053SG-201008	A0J0343-07RE3	ECD5-10262018.D	10/22/20 17:43	

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

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

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0343</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: A0J0343

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0343

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: A0J0343

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
USMPDI-026SG-201008	A0J0343-01RE3	ECD5-10262009.D	10/26/20 13:53
USMPDI-033SG-201008	A0J0343-02RE3	ECD5-10262010.D	10/26/20 14:11
USMPDI-038SG-201008	A0J0343-03RE3	ECD5-10262011.D	10/26/20 14:28
USMPDI-044SG-201008	A0J0343-04RE3	ECD5-10262012.D	10/26/20 14:45
USMPDI-049SG-201008	A0J0343-05RE3	ECD5-10262013.D	10/26/20 15:02
USMPDI-052SG-201008	A0J0343-06RE3	ECD5-10262014.D	10/26/20 15:19
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-053SG-201008	A0J0343-07RE3	ECD5-10262018.D	10/26/20 16:28
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.

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0343

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: A0J0343

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: A0J0343

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: A0J0343

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		

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD5

Calibration: A0J1506

Lab File ID: ECD5-10142021.D

Sequence: 0J14056

Inject Date: 10/14/20

Lab Sample ID: 0J14056-ICV1

Inject Time: 18:39

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: A0J0343
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

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD5

Calibration: A0J1506

Lab File ID: ECD5-10222004.D

Calibration Date: 10/15/20 14:51

Sequence: 0J22054

Injection Date: 10/22/20

Lab Sample ID: 0J22054-CCV1

Injection Time: 12:23

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	45.4		218439.9	198209	-9.3	20
4,4'-DDD [2C]	Ave	50.0	56.5		233538.8	263843.8	13.0	20
4,4'-DDE	Ave	50.0	45.4		259842.1	235973.6	-9.2	20
4,4'-DDE [2C]	Ave	50.0	56.2		291669.2	327648.8	12.3	20
4,4'-DDT	Ave	50.0	44.9		199509.6	178994	-10.3	20
4,4'-DDT [2C]	Ave	50.0	58.8		190429.6	224139.2	17.7	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: A0J0343

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: A0J0343

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: A0J0343

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: A0J0343

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: A0J0343

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: A0J0343

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

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A0J0343</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: A0J0343

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	
USMPDI-026SG-201008 (A0J0343-01RE3) Lab File ID: ECD5-10262009.D Analyzed: 10/26/20 13:53								
2,4,5,6-TCMX (Surr)	229	59	42 - 129	5.509	5.58575	-0.0767	+/-1.0	
Decachlorobiphenyl (Surr)	229	91	55 - 130	9.731	9.805625	-0.0746	+/-1.0	
USMPDI-033SG-201008 (A0J0343-02RE3) Lab File ID: ECD5-10262010.D Analyzed: 10/26/20 14:11								
2,4,5,6-TCMX (Surr)	244	55	42 - 129	5.509	5.58575	-0.0767	+/-1.0	
Decachlorobiphenyl (Surr)	244	84	55 - 130	9.731	9.805625	-0.0746	+/-1.0	
USMPDI-038SG-201008 (A0J0343-03RE3) Lab File ID: ECD5-10262011.D Analyzed: 10/26/20 14:28								
2,4,5,6-TCMX (Surr)	264	40	42 - 129	5.509	5.58575	-0.0767	+/-1.0	*
Decachlorobiphenyl (Surr)	264	82	55 - 130	9.731	9.805625	-0.0746	+/-1.0	
USMPDI-044SG-201008 (A0J0343-04RE3) Lab File ID: ECD5-10262012.D Analyzed: 10/26/20 14:45								
2,4,5,6-TCMX (Surr)	265	46	42 - 129	5.509	5.58575	-0.0767	+/-1.0	
Decachlorobiphenyl (Surr)	265	86	55 - 130	9.73	9.805625	-0.0756	+/-1.0	
USMPDI-049SG-201008 (A0J0343-05RE3) Lab File ID: ECD5-10262013.D Analyzed: 10/26/20 15:02								
2,4,5,6-TCMX (Surr)	266	46	42 - 129	5.509	5.58575	-0.0767	+/-1.0	
Decachlorobiphenyl (Surr)	266	83	55 - 130	9.731	9.805625	-0.0746	+/-1.0	
USMPDI-052SG-201008 (A0J0343-06RE3) Lab File ID: ECD5-10262014.D Analyzed: 10/26/20 15:19								
2,4,5,6-TCMX (Surr)	260	54	42 - 129	5.508	5.58575	-0.0778	+/-1.0	
Decachlorobiphenyl (Surr)	260	87	55 - 130	9.73	9.805625	-0.0756	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0J26062
 Matrix: Sediment

SDG: A0J0343
 Project: US Moorings -- C2, C3, C4
 Instrument: DUALECD5
 Calibration: A0J1506

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
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-053SG-201008 (A0J0343-07RE3) Lab File ID: ECD5-10262018.D Analyzed: 10/26/20 16:28								
2,4,5,6-TCMX (Surr) [2C]	205	82	42 - 129	5.798	5.872125	-0.0741	+/-1.0	
Decachlorobiphenyl (Surr)	205	111	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	
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	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A0J0343

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-026SG-201008	10/08/20 13:44	10/09/20 07:35	10/22/20 17:43	14.17	14.00	10/26/20 13:53	3.84	40.00	*
USMPDI-033SG-201008	10/08/20 11:51	10/09/20 07:35	10/22/20 17:43	14.24	14.00	10/26/20 14:11	3.85	40.00	*
USMPDI-038SG-201008	10/08/20 11:02	10/09/20 07:35	10/22/20 17:43	14.28	14.00	10/26/20 14:28	3.86	40.00	*
USMPDI-044SG-201008	10/08/20 10:10	10/09/20 07:35	10/22/20 17:43	14.31	14.00	10/26/20 14:45	3.88	40.00	*
USMPDI-049SG-201008	10/08/20 15:41	10/09/20 07:35	10/22/20 17:43	14.08	14.00	10/26/20 15:02	3.89	40.00	*
USMPDI-052SG-201008	10/08/20 14:48	10/09/20 07:35	10/22/20 17:43	14.12	14.00	10/26/20 15:19	3.90	40.00	*
USMPDI-053SG-201008	10/08/20 09:15	10/09/20 07:35	10/22/20 17:43	14.35	14.00	10/26/20 16:28	3.95	40.00	*

Apex Laboratories

SDG: A0J0343
CLASS: WET
METHOD: D7511-12

ANALYSES DATA PACKAGE COVER PAGE

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-026SG-201008</u>	<u>A0J0343-01</u>	<u>SE</u>
<u>USMPDI-033SG-201008</u>	<u>A0J0343-02</u>	<u>SE</u>
<u>USMPDI-038SG-201008</u>	<u>A0J0343-03</u>	<u>SE</u>
<u>USMPDI-044SG-201008</u>	<u>A0J0343-04</u>	<u>SE</u>
<u>USMPDI-049SG-201008</u>	<u>A0J0343-05</u>	<u>SE</u>
<u>USMPDI-052SG-201008</u>	<u>A0J0343-06</u>	<u>SE</u>
<u>USMPDI-053SG-201008</u>	<u>A0J0343-07</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 1:54PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

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-026SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-01RE1

File ID: 0J14043A-031

Sampled: 10/08/20 13:44

Prepared: 10/12/20 09:47

Analyzed: 10/14/20 16:40

Solids: 42.80

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5628 g / 50 mL

Batch: 0100373

Sequence: 0J14043

Calibration: A0J1504

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	3.45	2	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-033SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-02RE1

File ID: 0J14043A-038

Sampled: 10/08/20 11:51

Prepared: 10/12/20 09:47

Analyzed: 10/14/20 16:54

Solids: 40.00

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5003 g / 50 mL

Batch: 0100373

Sequence: 0J14043

Calibration: A0J1504

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	2.66	2	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-038SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-03RE1

File ID: 0J14043A-039

Sampled: 10/08/20 11:02

Prepared: 10/12/20 09:47

Analyzed: 10/14/20 16:56

Solids: 37.25

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5413 g / 50 mL

Batch: 0100373

Sequence: 0J14043

Calibration: A0J1504

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	3.05	2	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-044SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-04RE1

File ID: 0J14043A-040

Sampled: 10/08/20 10:10

Prepared: 10/12/20 09:47

Analyzed: 10/14/20 16:58

Solids: 36.92

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5483 g / 50 mL

Batch: 0100373

Sequence: 0J14043

Calibration: A0J1504

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	13.3	10	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-049SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-05RE1

File ID: 0J14043A-046

Sampled: 10/08/20 15:41

Prepared: 10/12/20 09:47

Analyzed: 10/14/20 17:10

Solids: 36.31

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5262 g / 50 mL

Batch: 0100373

Sequence: 0J14043

Calibration: A0J1504

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	56.4	50	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-052SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-06RE1

File ID: 0J14043A-048

Sampled: 10/08/20 14:48

Prepared: 10/12/20 09:47

Analyzed: 10/14/20 17:14

Solids: 37.61

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5573 g / 50 mL

Batch: 0100373

Sequence: 0J14043

Calibration: A0J1504

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	114	100	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-053SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-07RE2

File ID: 0J14043A-080

Sampled: 10/08/20 09:15

Prepared: 10/12/20 09:47

Analyzed: 10/14/20 18:31

Solids: 47.34

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5008 g / 50 mL

Batch: 0100373

Sequence: 0J14043

Calibration: A0J1504

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	432	500	D	D7511-12

PREPARATION BATCH SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100373 Batch Matrix: Soil

Preparation: ASTM D7511-12mod (S)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100373-BLK1	0J13039A-041	10/12/20 09:47	
LCS	0100373-BS1	0J13039A-042	10/12/20 09:47	
USMPDI-026SG-201008 (MS)	0100373-MS4	0J14043A-032	10/12/20 09:47	
USMPDI-026SG-201008 (MSD)	0100373-MSD4	0J14043A-033	10/12/20 09:47	
USMPDI-026SG-201008	A0J0343-01RE1	0J14043A-031	10/12/20 09:47	
USMPDI-033SG-201008	A0J0343-02RE1	0J14043A-038	10/12/20 09:47	
USMPDI-038SG-201008	A0J0343-03RE1	0J14043A-039	10/12/20 09:47	
USMPDI-044SG-201008	A0J0343-04RE1	0J14043A-040	10/12/20 09:47	
USMPDI-049SG-201008	A0J0343-05RE1	0J14043A-046	10/12/20 09:47	
USMPDI-052SG-201008	A0J0343-06RE1	0J14043A-048	10/12/20 09:47	
USMPDI-053SG-201008	A0J0343-07RE2	0J14043A-080	10/12/20 09:47	

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

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

METHOD BLANK DATA SHEET

D7511-12

Laboratory: Apex Laboratories SDG: A0J0343
Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4
Matrix: Soil Laboratory ID: 0100373-BLK1 File ID: 0J13039A-041
Prepared: 10/12/20 09:47 Preparation: ASTM D7511-12mod (S) Initial/Final: 2.5 g / 50 mL
Analyzed: 10/13/20 11:57 Instrument: OIA FS3000-2
Batch: 0100373 Sequence: 0J13039 Calibration: A0J1302

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: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 0100373

Laboratory ID: 0100373-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	0.363	91	84 - 116

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USMPDI-026SG-201008

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 0100373

Laboratory ID: 0100373-MS4

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5292 g / 50 mL

Source Sample Name: USMPDI-026SG-201008

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. (* = Out)	QC LIMITS REC.
Total Cyanide	0.924	3.45	2.60	-92 *	64 - 136

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USMPDI-026SG-201008

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 0100373

Laboratory ID: 0100373-MSD4

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.505 g / 50 mL

Source Sample Name: USMPDI-026SG-201008

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
Total Cyanide	0.933	2.66	-84 *	3	47	64 - 136

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J13039

Instrument: OIA FS3000-2

Matrix: Soil

Calibration: A0J1302

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0J13039-CAL2	0J13039A-008	10/13/20 10:51
Cal Standard	0J13039-CAL3	0J13039A-009	10/13/20 10:53
Cal Standard	0J13039-CAL4	0J13039A-010	10/13/20 10:55
Cal Standard	0J13039-CAL5	0J13039A-011	10/13/20 10:57
Cal Standard	0J13039-CAL6	0J13039A-012	10/13/20 10:59
Cal Standard	0J13039-CAL7	0J13039A-013	10/13/20 11:01
Initial Cal Check	0J13039-ICV1	0J13039A-016	10/13/20 11:07
Initial Cal Blank	0J13039-ICB1	0J13039A-017	10/13/20 11:09
Calibration Check	0J13039-CCV1	0J13039A-034	10/13/20 11:43
Calibration Blank	0J13039-CCB1	0J13039A-035	10/13/20 11:45
Blank	0100373-BLK1	0J13039A-041	10/13/20 11:57
LCS	0100373-BS1	0J13039A-042	10/13/20 11:59
Calibration Check	0J13039-CCV2	0J13039A-052	10/13/20 12:19
Calibration Blank	0J13039-CCB2	0J13039A-053	10/13/20 12:21
Calibration Check	0J13039-CCV3	0J13039A-069	10/13/20 12:53
Calibration Blank	0J13039-CCB3	0J13039A-070	10/13/20 12:55

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 0J14043

Instrument: OIA FS3000-2

Matrix: Soil

Calibration: A0J1504

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0J14043-CAL2	0J14043A-008	10/14/20 15:54
Cal Standard	0J14043-CAL3	0J14043A-009	10/14/20 15:56
Cal Standard	0J14043-CAL4	0J14043A-010	10/14/20 15:58
Cal Standard	0J14043-CAL5	0J14043A-011	10/14/20 16:00
Cal Standard	0J14043-CAL6	0J14043A-012	10/14/20 16:02
Cal Standard	0J14043-CAL7	0J14043A-013	10/14/20 16:04
Initial Cal Check	0J14043-ICV1	0J14043A-016	10/14/20 16:10
Initial Cal Blank	0J14043-ICB1	0J14043A-017	10/14/20 16:12
USMPDI-026SG-201008	A0J0343-01RE1	0J14043A-031	10/14/20 16:40
USMPDI-026SG-201008 (MS)	0100373-MS4	0J14043A-032	10/14/20 16:42
USMPDI-026SG-201008 (MSD)	0100373-MSD4	0J14043A-033	10/14/20 16:44
Calibration Check	0J14043-CCV1	0J14043A-035	10/14/20 16:48
Calibration Blank	0J14043-CCB1	0J14043A-036	10/14/20 16:50
USMPDI-033SG-201008	A0J0343-02RE1	0J14043A-038	10/14/20 16:54
USMPDI-038SG-201008	A0J0343-03RE1	0J14043A-039	10/14/20 16:56
USMPDI-044SG-201008	A0J0343-04RE1	0J14043A-040	10/14/20 16:58
USMPDI-049SG-201008	A0J0343-05RE1	0J14043A-046	10/14/20 17:10
USMPDI-052SG-201008	A0J0343-06RE1	0J14043A-048	10/14/20 17:14
Calibration Check	0J14043-CCV2	0J14043A-052	10/14/20 17:22
Calibration Blank	0J14043-CCB2	0J14043A-053	10/14/20 17:24
Calibration Check	0J14043-CCV3	0J14043A-067	10/14/20 17:52
Calibration Blank	0J14043-CCB3	0J14043A-068	10/14/20 17:54
USMPDI-053SG-201008	A0J0343-07RE2	0J14043A-080	10/14/20 18:31
Calibration Check	0J14043-CCV4	0J14043A-081	10/14/20 18:33
Calibration Blank	0J14043-CCB4	0J14043A-082	10/14/20 18:35
Calibration Check	0J14043-CCV5	0J14043A-088	10/14/20 18:59
Calibration Blank	0J14043-CCB5	0J14043A-089	10/14/20 19:01

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

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

INITIAL CALIBRATION DATA (Summary)

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J1302

Date: 10/13/20 09:59

Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	46594.56	Q **	7.994008				0.9998461		

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: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J1302

Instrument: OIA FS3000-2

Calibration Date: 10/13/20 09:59

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	53573	2	47776.5	5	44227	10	43426.1	25	45587.24	50	44977.5

INITIAL CALIBRATION DATA (Summary)

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J1504

Date: 10/15/20 12:47

Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	31252.31	Q **	51.65822				0.9995985		

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: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A0J1504

Instrument: OIA FS3000-2

Calibration Date: 10/15/20 12:47

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	5383	2	19095.5	5	32523.8	10	38726.4	25	45744.12	50	46041.02

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: OIA FS3000-2

Calibration: A0J1302

Control Limit: +/- 10.00%

Sequence: 0J13039

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0J13039-ICV1	Total Cyanide	25.0	23.5	94	ug/L	D7511-12
0J13039-CCV1	Total Cyanide	25.0	24.5	98	ug/L	D7511-12
0J13039-CCV2	Total Cyanide	25.0	23.4	94	ug/L	D7511-12
0J13039-CCV3	Total Cyanide	25.0	20.7	83 *	ug/L	D7511-12

* Values outside of OC limits

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: OIA FS3000-2

Calibration: A0J1504

Control Limit: +/- 10.00%

Sequence: 0J14043

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0J14043-ICV1	Total Cyanide	25.0	24.8	99	ug/L	D7511-12
0J14043-CCV1	Total Cyanide	25.0	26.8	107	ug/L	D7511-12
0J14043-CCV2	Total Cyanide	25.0	27.1	108	ug/L	D7511-12
0J14043-CCV3	Total Cyanide	25.0	27.3	109	ug/L	D7511-12
0J14043-CCV4	Total Cyanide	25.0	26.3	105	ug/L	D7511-12
0J14043-CCV5	Total Cyanide	25.0	25.5	102	ug/L	D7511-12

* Values outside of OC limits

INSTRUMENT BLANKS

D7511-12

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Instrument ID: OIA FS3000-2

Project: US Moorings -- C2, C3, C4

Sequence: 0J13039

Calibration: A0J1302

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0J13039-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J13039-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J13039-CCB2	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J13039-CCB3	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: A0J0343

Client: Anchor QEA, LLC

Instrument ID: OIA FS3000-2

Project: US Moorings -- C2, C3, C4

Sequence: 0J14043

Calibration: A0J1504

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0J14043-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J14043-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J14043-CCB2	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J14043-CCB3	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J14043-CCB4	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0J14043-CCB5	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: A0J0343

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-026SG-201008	10/08/20 13:44	10/09/20 07:35	10/12/20 09:47	3.84	14.00	10/14/20 16:40	6.12	14.00	
USMPDI-033SG-201008	10/08/20 11:51	10/09/20 07:35	10/12/20 09:47	3.91	14.00	10/14/20 16:54	6.21	14.00	
USMPDI-038SG-201008	10/08/20 11:02	10/09/20 07:35	10/12/20 09:47	3.95	14.00	10/14/20 16:56	6.25	14.00	
USMPDI-044SG-201008	10/08/20 10:10	10/09/20 07:35	10/12/20 09:47	3.98	14.00	10/14/20 16:58	6.28	14.00	
USMPDI-049SG-201008	10/08/20 15:41	10/09/20 07:35	10/12/20 09:47	3.75	14.00	10/14/20 17:10	6.06	14.00	
USMPDI-052SG-201008	10/08/20 14:48	10/09/20 07:35	10/12/20 09:47	3.79	14.00	10/14/20 17:14	6.10	14.00	
USMPDI-053SG-201008	10/08/20 09:15	10/09/20 07:35	10/12/20 09:47	4.02	14.00	10/14/20 18:31	6.39	14.00	

Apex Laboratories

SDG: A0J0343

CLASS: WET

METHOD: PSEP_SM 5310B MOD

ANALYSES DATA PACKAGE COVER PAGE

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-026SG-201008</u>	<u>A0J0343-01</u>	<u>SE</u>
<u>USMPDI-033SG-201008</u>	<u>A0J0343-02</u>	<u>SE</u>
<u>USMPDI-038SG-201008</u>	<u>A0J0343-03</u>	<u>SE</u>
<u>USMPDI-044SG-201008</u>	<u>A0J0343-04</u>	<u>SE</u>
<u>USMPDI-049SG-201008</u>	<u>A0J0343-05</u>	<u>SE</u>
<u>USMPDI-052SG-201008</u>	<u>A0J0343-06</u>	<u>SE</u>
<u>USMPDI-053SG-201008</u>	<u>A0J0343-07</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 1:54PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0343

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-026SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-01

File ID: 0J13056.txt-009

Sampled: 10/08/20 13:44

Prepared: 10/12/20 11:41

Analyzed: 10/13/20 18:18

Solids: 42.80

Preparation: PSEP-5310B TOC

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

Batch: 0100381

Sequence: 0J13056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	2.4	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-033SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-02

File ID: 0J13056.txt-012

Sampled: 10/08/20 11:51

Prepared: 10/12/20 11:41

Analyzed: 10/13/20 18:50

Solids: 40.00

Preparation: PSEP-5310B TOC

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

Batch: 0100381

Sequence: 0J13056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	2.9	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-038SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-03

File ID: 0J13056.txt-013

Sampled: 10/08/20 11:02

Prepared: 10/12/20 11:41

Analyzed: 10/13/20 19:01

Solids: 37.25

Preparation: PSEP-5310B TOC

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

Batch: 0100381

Sequence: 0J13056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	3.3	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-044SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-04

File ID: 0J13056.txt-014

Sampled: 10/08/20 10:10

Prepared: 10/12/20 11:41

Analyzed: 10/13/20 19:11

Solids: 36.92

Preparation: PSEP-5310B TOC

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

Batch: 0100381

Sequence: 0J13056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	3.1	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-049SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-05

File ID: 0J13056.txt-017

Sampled: 10/08/20 15:41

Prepared: 10/12/20 11:41

Analyzed: 10/13/20 19:44

Solids: 36.31

Preparation: PSEP-5310B TOC

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

Batch: 0100381

Sequence: 0J13056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	3.1	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-052SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-06

File ID: 0J13056.txt-018

Sampled: 10/08/20 14:48

Prepared: 10/12/20 11:41

Analyzed: 10/13/20 19:55

Solids: 37.61

Preparation: PSEP-5310B TOC

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

Batch: 0100381

Sequence: 0J13056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	3.2	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-053SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-07

File ID: 0J13056.txt-019

Sampled: 10/08/20 09:15

Prepared: 10/12/20 11:41

Analyzed: 10/13/20 20:06

Solids: 47.34

Preparation: PSEP-5310B TOC

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

Batch: 0100381

Sequence: 0J13056

Calibration: A0H1904

Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	4.3	1		PSEP_SM 5310B MOD

PREPARATION BATCH SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100381 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0100381-BLK1	0J13056.txt-005	10/12/20 11:41	
LCS	0100381-BS1	0J13056.txt-006	10/12/20 11:41	
USMPDI-026SG-201008 (Dup)	0100381-DUP1	0J13056.txt-010	10/12/20 11:41	
USMPDI-026SG-201008 (Dup)	0100381-DUP2	0J13056.txt-011	10/12/20 11:41	
USMPDI-026SG-201008	A0J0343-01	0J13056.txt-009	10/12/20 11:41	
USMPDI-033SG-201008	A0J0343-02	0J13056.txt-012	10/12/20 11:41	
USMPDI-038SG-201008	A0J0343-03	0J13056.txt-013	10/12/20 11:41	
USMPDI-044SG-201008	A0J0343-04	0J13056.txt-014	10/12/20 11:41	
USMPDI-049SG-201008	A0J0343-05	0J13056.txt-017	10/12/20 11:41	
USMPDI-052SG-201008	A0J0343-06	0J13056.txt-018	10/12/20 11:41	
USMPDI-053SG-201008	A0J0343-07	0J13056.txt-019	10/12/20 11:41	

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>A0J0343</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>US Moorings -- C2, C3, C4</u>
Matrix:	<u>Soil</u>	Laboratory ID:	<u>0100381-BLK1</u>
Prepared:	<u>10/12/20 11:41</u>	Preparation:	<u>PSEP-5310B TOC</u>
Analyzed:	<u>10/13/20 17:34</u>	Instrument:	<u>TOC6</u>
Batch:	<u>0100381</u>	Sequence:	<u>0J13056</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: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 0100381

Laboratory ID: 0100381-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	9500	95	88 - 111

* = Values outside of QC limits

DUPLICATES
PSEP_SM 5310B MOD

USMPDI-026SG-201008

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Matrix: Soil
 Batch: 0100381
 Preparation: PSEP-5310B TOC
 Source Sample Name: USMPDI-026SG-201008

SDG: A0J0343
 Project: US Moorings -- C2, C3, C4
 Laboratory ID: 0100381-DUP1
 Lab Source ID: A0J0343-01
 Initial/Final: 0.2 N/A / 0.2 N/A
 % Solids: 42.80

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% dry)	C	DUPLICATE CONCENTRATION (% dry)	C	RPD %	Q	METHOD
Total Organic Carbon	27	2.4		2.5		5		SEP_SM 5310B MOI

* Values outside of QC limits

DUPLICATES
PSEP_SM 5310B MOD

USMPDI-026SG-201008

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Matrix: Soil
 Batch: 0100381
 Preparation: PSEP-5310B TOC
 Source Sample Name: USMPDI-026SG-201008

SDG: A0J0343
 Project: US Moorings -- C2, C3, C4
 Laboratory ID: 0100381-DUP2
 Lab Source ID: A0J0343-01
 Initial/Final: 0.2 N/A / 0.2 N/A
 % Solids: 42.80

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% dry)	C	DUPLICATE CONCENTRATION (% dry)	C	RPD %	Q	METHOD
Total Organic Carbon	27	2.4		2.5		4		PSEP_SM 5310B MOI

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0343

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
 Client: Anchor QEA, LLC
 Sequence: 0J13056
 Matrix: Soil

SDG: A0J0343
 Project: US Moorings -- C2, C3, C4
 Instrument: TOC6
 Calibration: A0H1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0J13056-CCV1	0J13056.txt-003	10/13/20 17:13
Calibration Blank	0J13056-CCB1	0J13056.txt-004	10/13/20 17:24
Blank	0100381-BLK1	0J13056.txt-005	10/13/20 17:34
LCS	0100381-BS1	0J13056.txt-006	10/13/20 17:45
USMPDI-026SG-201008	A0J0343-01	0J13056.txt-009	10/13/20 18:18
USMPDI-026SG-201008 (Dup)	0100381-DUP1	0J13056.txt-010	10/13/20 18:28
USMPDI-026SG-201008 (Dup)	0100381-DUP2	0J13056.txt-011	10/13/20 18:39
USMPDI-033SG-201008	A0J0343-02	0J13056.txt-012	10/13/20 18:50
USMPDI-038SG-201008	A0J0343-03	0J13056.txt-013	10/13/20 19:01
USMPDI-044SG-201008	A0J0343-04	0J13056.txt-014	10/13/20 19:11
Calibration Check	0J13056-CCV2	0J13056.txt-015	10/13/20 19:22
Calibration Blank	0J13056-CCB2	0J13056.txt-016	10/13/20 19:33
USMPDI-049SG-201008	A0J0343-05	0J13056.txt-017	10/13/20 19:44
USMPDI-052SG-201008	A0J0343-06	0J13056.txt-018	10/13/20 19:55
USMPDI-053SG-201008	A0J0343-07	0J13056.txt-019	10/13/20 20:06
Calibration Check	0J13056-CCV3	0J13056.txt-027	10/13/20 21:32
Calibration Blank	0J13056-CCB3	0J13056.txt-028	10/13/20 21:43
Calibration Check	0J13056-CCV4	0J13056.txt-039	10/13/20 23:41
Calibration Blank	0J13056-CCB4	0J13056.txt-040	10/13/20 23:52
Calibration Check	0J13056-CCV5	0J13056.txt-051	10/14/20 01:52
Calibration Blank	0J13056-CCB5	0J13056.txt-052	10/14/20 02:03
Calibration Check	0J13056-CCV6	0J13056.txt-056	10/14/20 02:46
Calibration Blank	0J13056-CCB6	0J13056.txt-057	10/14/20 02:57

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.

INITIAL CALIBRATION DATA (Summary)

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0343

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: A0J0343

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: A0J0343

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: A0J0343

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: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: TOC6

Calibration: A0H1904

Control Limit: +/- 10.00%

Sequence: 0J13056

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0J13056-CCV1	Total Organic Carbon	10000	11000	106	mg/kg	SEP_SM 5310B MOI
0J13056-CCV2	Total Organic Carbon	10000	9600	96	mg/kg	SEP_SM 5310B MOI
0J13056-CCV3	Total Organic Carbon	10000	9700	97	mg/kg	SEP_SM 5310B MOI
0J13056-CCV4	Total Organic Carbon	10000	9500	95	mg/kg	SEP_SM 5310B MOI
0J13056-CCV5	Total Organic Carbon	10000	9600	96	mg/kg	SEP_SM 5310B MOI
0J13056-CCV6	Total Organic Carbon	10000	9400	94	mg/kg	SEP_SM 5310B MOI

* Values outside of OC limits

INSTRUMENT BLANKS
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A0J0343

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: A0J0343

Client: Anchor QEA, LLC

Instrument ID: TOC6

Project: US Moorings -- C2, C3, C4

Sequence: 0J13056

Calibration: A0H1904

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0J13056-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0J13056-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0J13056-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0J13056-CCB4	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0J13056-CCB5	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
0J13056-CCB6	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: A0J0343

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-026SG-201008	10/08/20 13:44	10/09/20 07:35	10/12/20 11:41	3.91	28.00	10/13/20 18:18	5.19	28.00	
USMPDI-033SG-201008	10/08/20 11:51	10/09/20 07:35	10/12/20 11:41	3.99	28.00	10/13/20 18:50	5.29	28.00	
USMPDI-038SG-201008	10/08/20 11:02	10/09/20 07:35	10/12/20 11:41	4.03	28.00	10/13/20 19:01	5.33	28.00	
USMPDI-044SG-201008	10/08/20 10:10	10/09/20 07:35	10/12/20 11:41	4.06	28.00	10/13/20 19:11	5.38	28.00	
USMPDI-049SG-201008	10/08/20 15:41	10/09/20 07:35	10/12/20 11:41	3.83	28.00	10/13/20 19:44	5.17	28.00	
USMPDI-052SG-201008	10/08/20 14:48	10/09/20 07:35	10/12/20 11:41	3.87	28.00	10/13/20 19:55	5.21	28.00	
USMPDI-053SG-201008	10/08/20 09:15	10/09/20 07:35	10/12/20 11:41	4.10	28.00	10/13/20 20:06	5.45	28.00	

Apex Laboratories

SDG: A0J0343
CLASS: WET
METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-026SG-201008</u>	<u>A0J0343-01</u>	<u>SE</u>
<u>USMPDI-033SG-201008</u>	<u>A0J0343-02</u>	<u>SE</u>
<u>USMPDI-038SG-201008</u>	<u>A0J0343-03</u>	<u>SE</u>
<u>USMPDI-044SG-201008</u>	<u>A0J0343-04</u>	<u>SE</u>
<u>USMPDI-049SG-201008</u>	<u>A0J0343-05</u>	<u>SE</u>
<u>USMPDI-052SG-201008</u>	<u>A0J0343-06</u>	<u>SE</u>
<u>USMPDI-053SG-201008</u>	<u>A0J0343-07</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 1:54PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0343

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-026SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-01

Sampled: 10/08/20 13:44

Prepared: 10/12/20 10:19

Analyzed: 10/13/20 15:26

Solids: 42.80

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100376

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	42.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-033SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-02

Sampled: 10/08/20 11:51

Prepared: 10/12/20 10:19

Analyzed: 10/13/20 15:26

Solids: 40.00

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100376

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	40.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-038SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-03

Sampled: 10/08/20 11:02

Prepared: 10/12/20 10:19

Analyzed: 10/13/20 15:26

Solids: 37.25

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100376

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	37.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-044SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-04

Sampled: 10/08/20 10:10

Prepared: 10/12/20 10:19

Analyzed: 10/13/20 15:26

Solids: 36.92

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100376

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	36.9	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-049SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-05

Sampled: 10/08/20 15:41

Prepared: 10/12/20 10:19

Analyzed: 10/13/20 15:26

Solids: 36.31

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100376

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	36.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-052SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-06

Sampled: 10/08/20 14:48

Prepared: 10/12/20 10:19

Analyzed: 10/13/20 15:26

Solids: 37.61

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100376

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	37.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-053SG-201008

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A0J0343-07

Sampled: 10/08/20 09:15

Prepared: 10/12/20 10:19

Analyzed: 10/13/20 15:26

Solids: 47.34

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 0100376

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	47.3	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0343

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 0100376

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
USMPDI-026SG-201008	A0J0343-01		10/12/20 10:19	
USMPDI-033SG-201008	A0J0343-02		10/12/20 10:19	
USMPDI-038SG-201008	A0J0343-03		10/12/20 10:19	
USMPDI-044SG-201008	A0J0343-04		10/12/20 10:19	
USMPDI-049SG-201008	A0J0343-05		10/12/20 10:19	
USMPDI-052SG-201008	A0J0343-06		10/12/20 10:19	
USMPDI-053SG-201008	A0J0343-07		10/12/20 10:19	

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.

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A0J0343

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-026SG-201008	10/08/20 13:44	10/09/20 07:35	10/12/20 10:19	3.86	180.00	10/13/20 15:26	1.21		
USMPDI-033SG-201008	10/08/20 11:51	10/09/20 07:35	10/12/20 10:19	3.94	180.00	10/13/20 15:26	1.21		
USMPDI-038SG-201008	10/08/20 11:02	10/09/20 07:35	10/12/20 10:19	3.97	180.00	10/13/20 15:26	1.21		
USMPDI-044SG-201008	10/08/20 10:10	10/09/20 07:35	10/12/20 10:19	4.01	180.00	10/13/20 15:26	1.21		
USMPDI-049SG-201008	10/08/20 15:41	10/09/20 07:35	10/12/20 10:19	3.78	180.00	10/13/20 15:26	1.21		
USMPDI-052SG-201008	10/08/20 14:48	10/09/20 07:35	10/12/20 10:19	3.81	180.00	10/13/20 15:26	1.21		
USMPDI-053SG-201008	10/08/20 09:15	10/09/20 07:35	10/12/20 10:19	4.04	180.00	10/13/20 15:26	1.21		

Raw Data

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

Batch 0100835

Sequence 0J26062 (A0J0343-01RE3,02RE3,03RE3,04RE3,05RE3,06RE3,
07RE3)





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 _____

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
10-26-2020
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	7	>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	In	Out			

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 <i>sediment # 5</i>		
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 <i>Sediment # 5</i>		
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 <i>Sediment # 5</i>		
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 <i>Sediment # 5</i>		
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 <i>Sediment # 5</i>		
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 <i>Sediment # 5</i>		
	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 <i>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-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			
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			
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			
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			
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			
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			
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			
	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: 10/22/2020

Reviewed By: JJ 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)		
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
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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

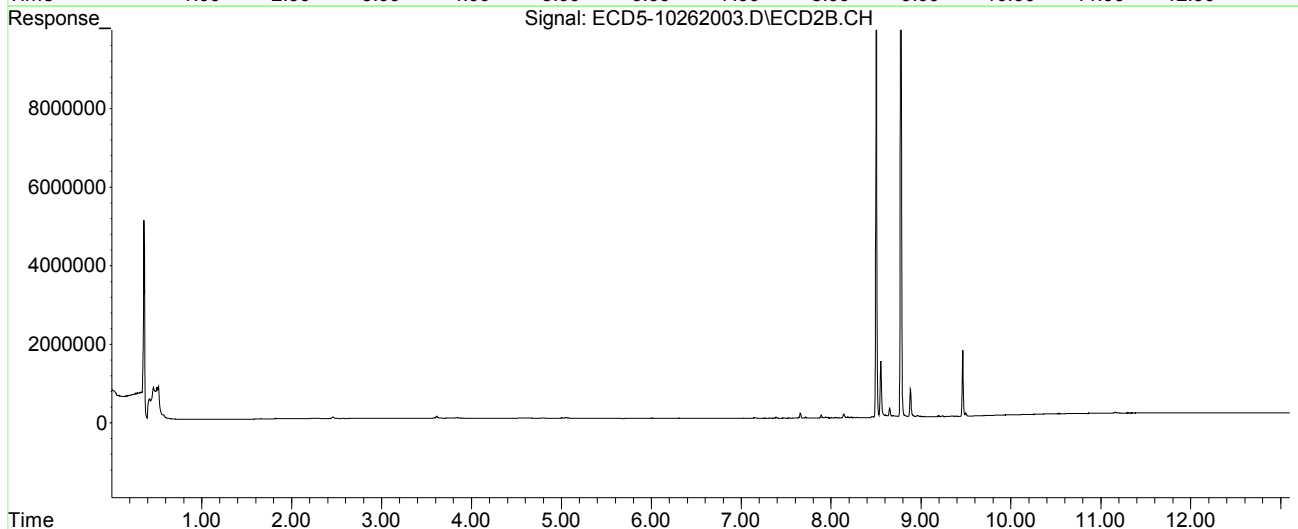
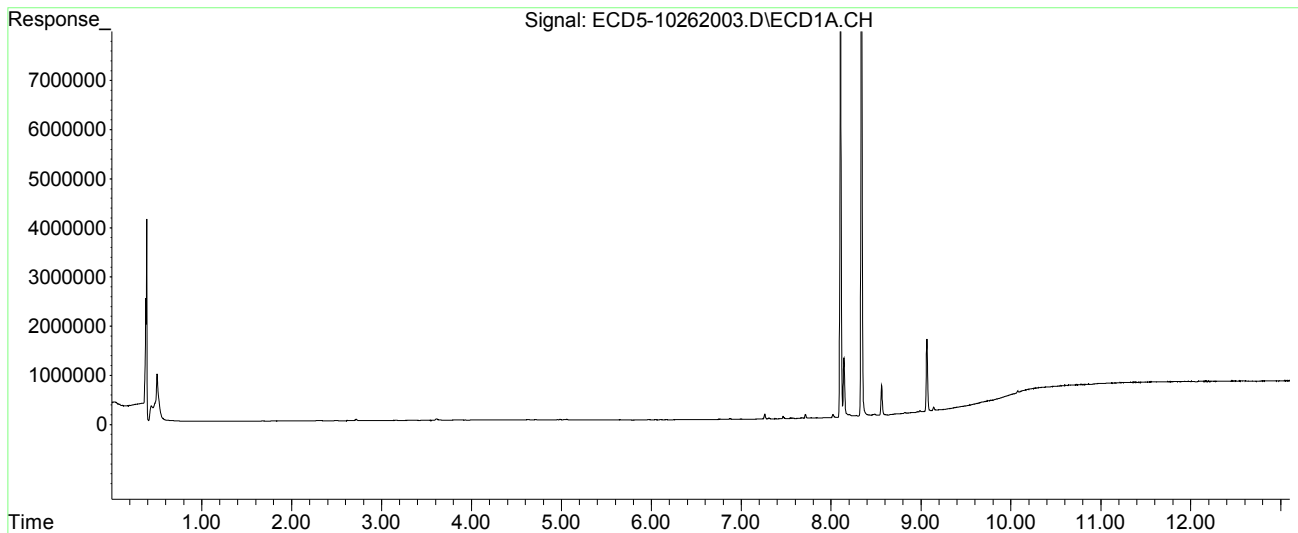
(m)=manual int.

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.

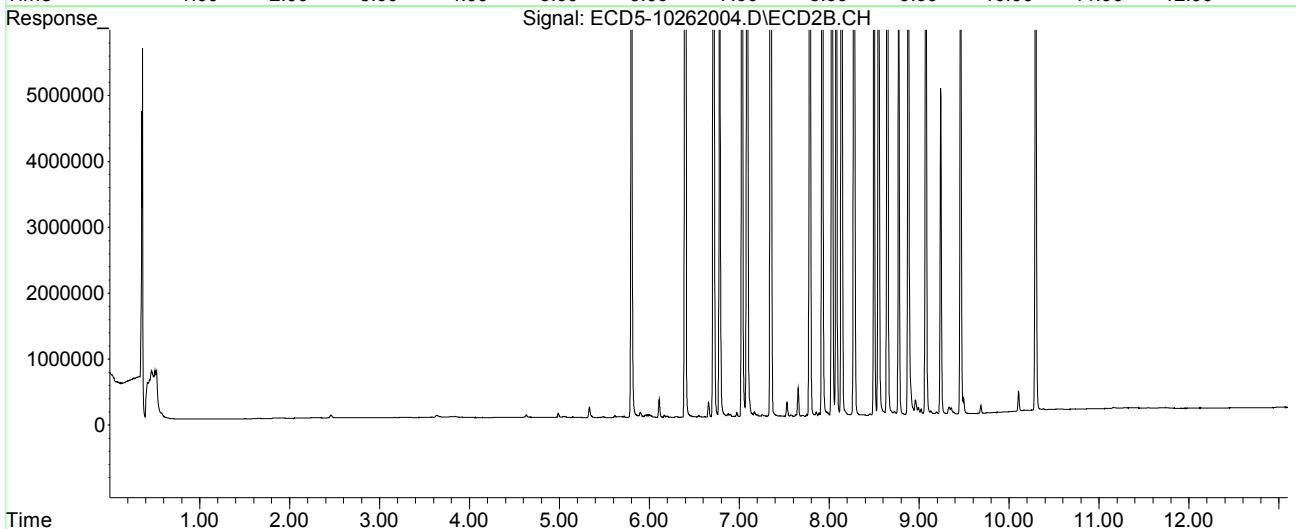
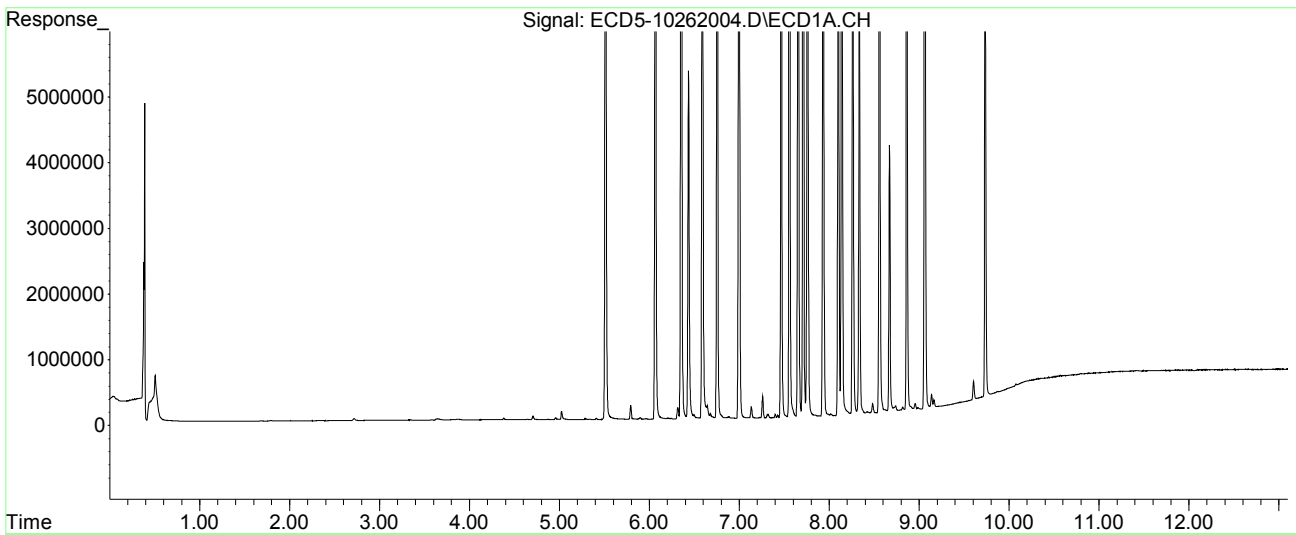
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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: 1

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

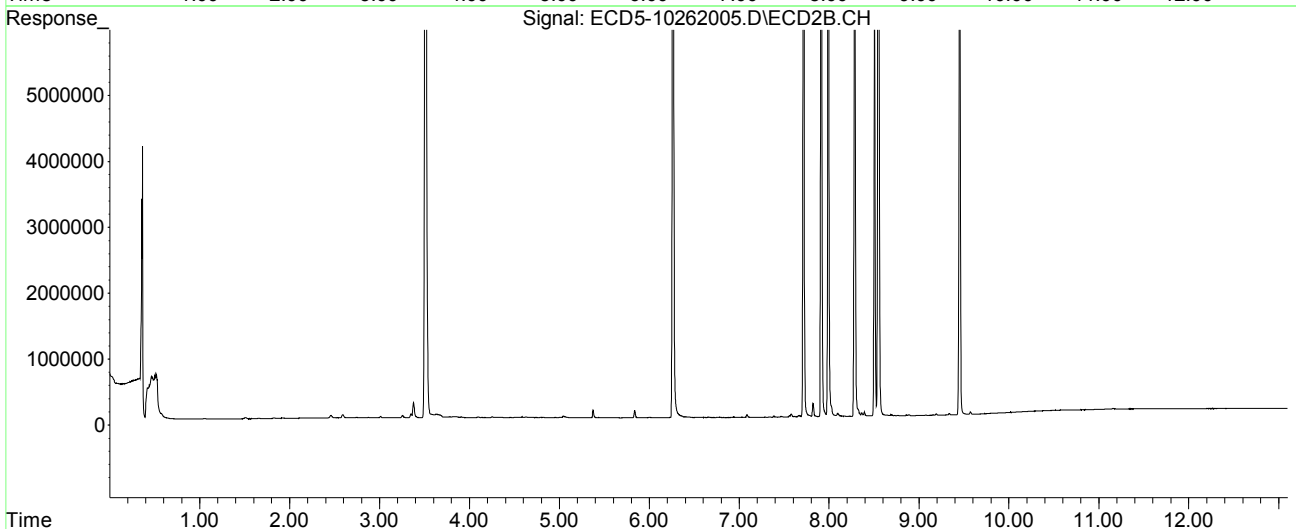
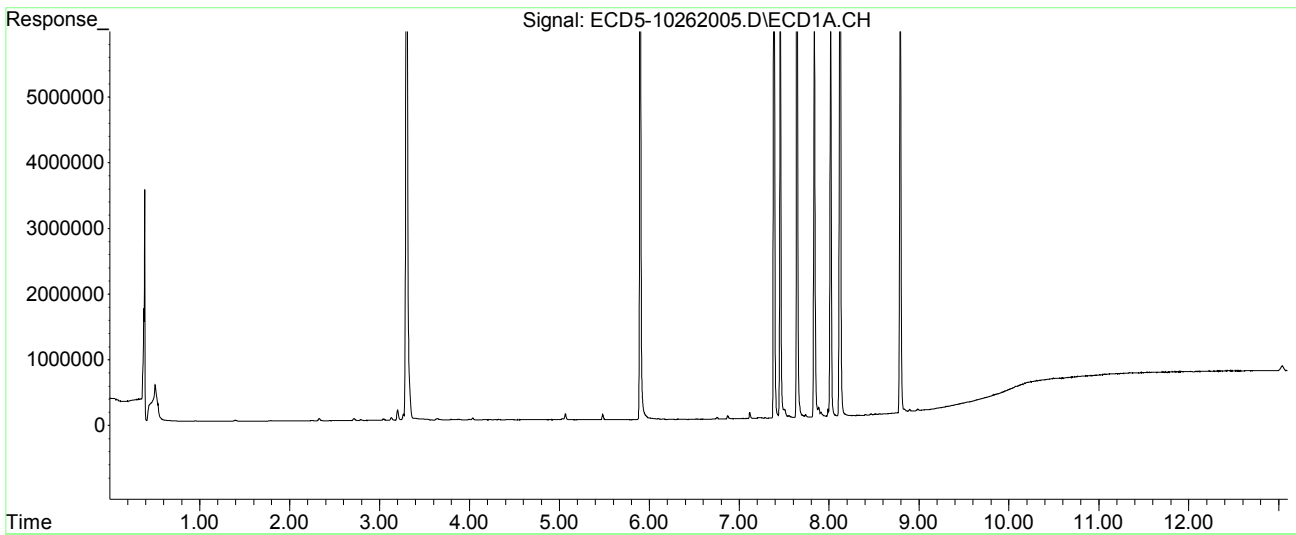
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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.

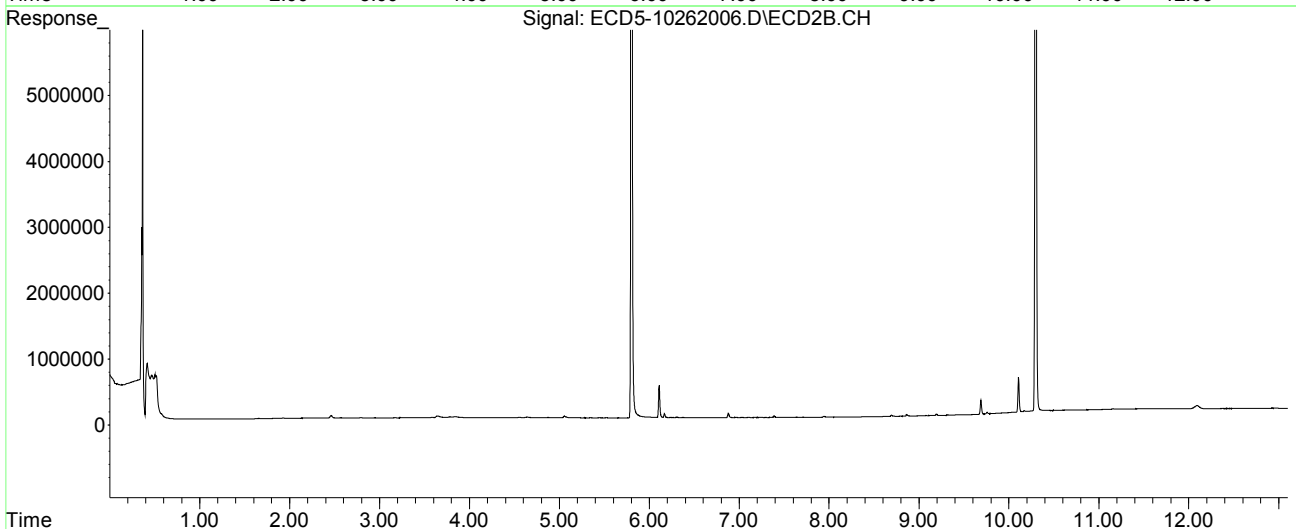
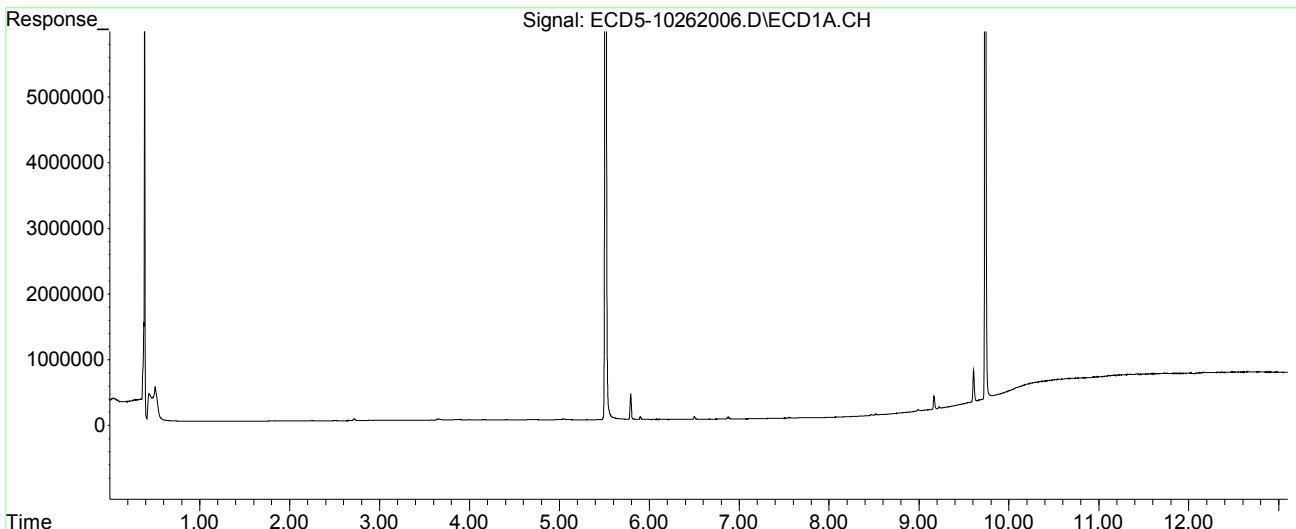
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/26/20

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

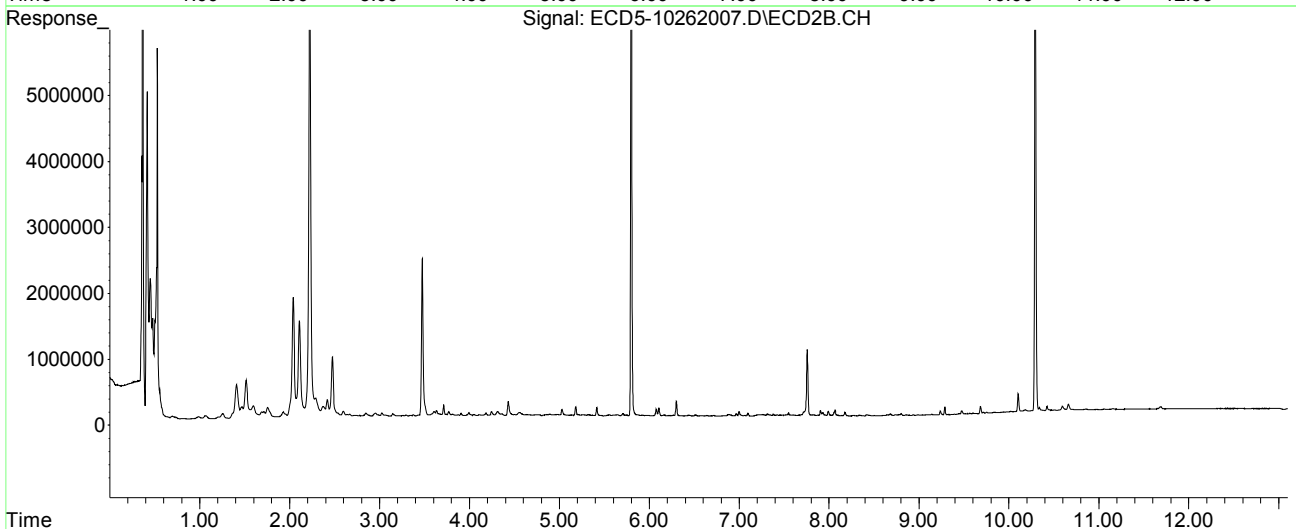
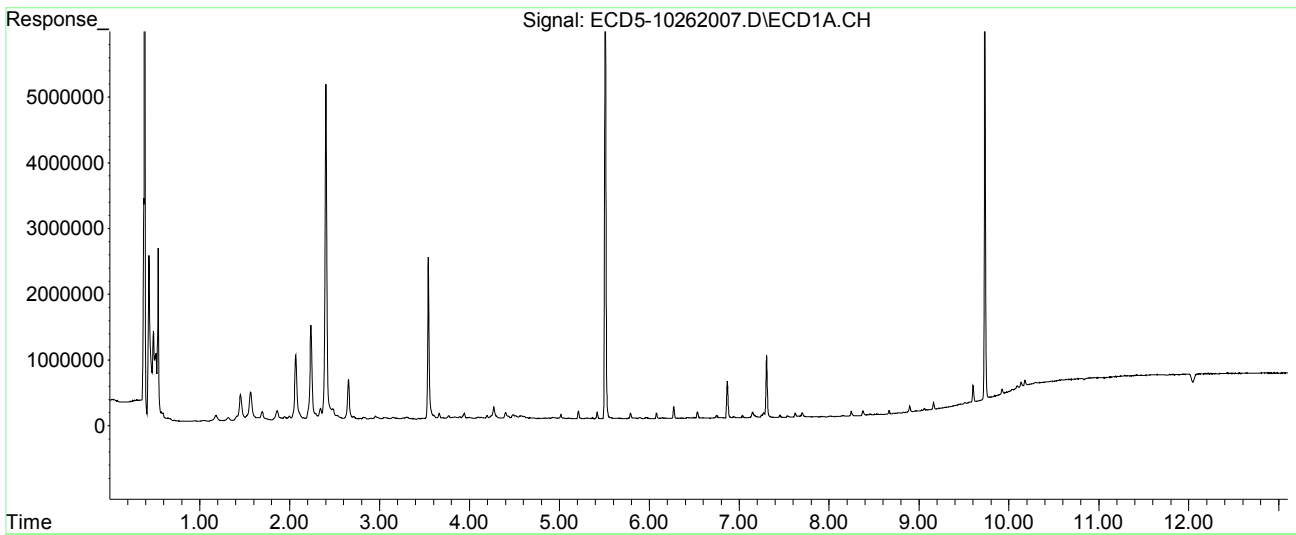
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/26/20

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

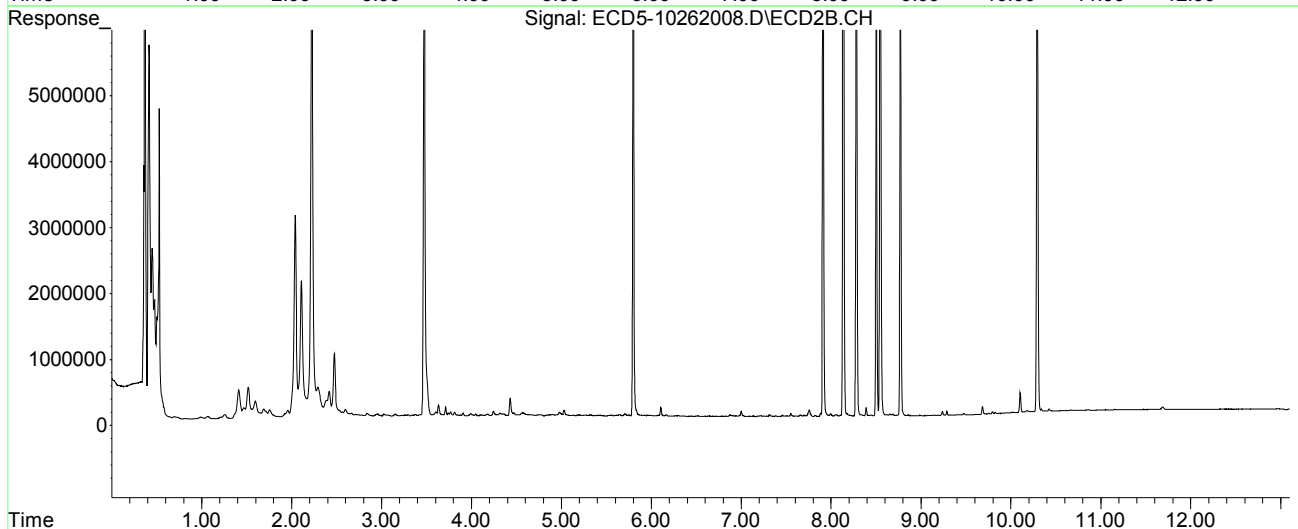
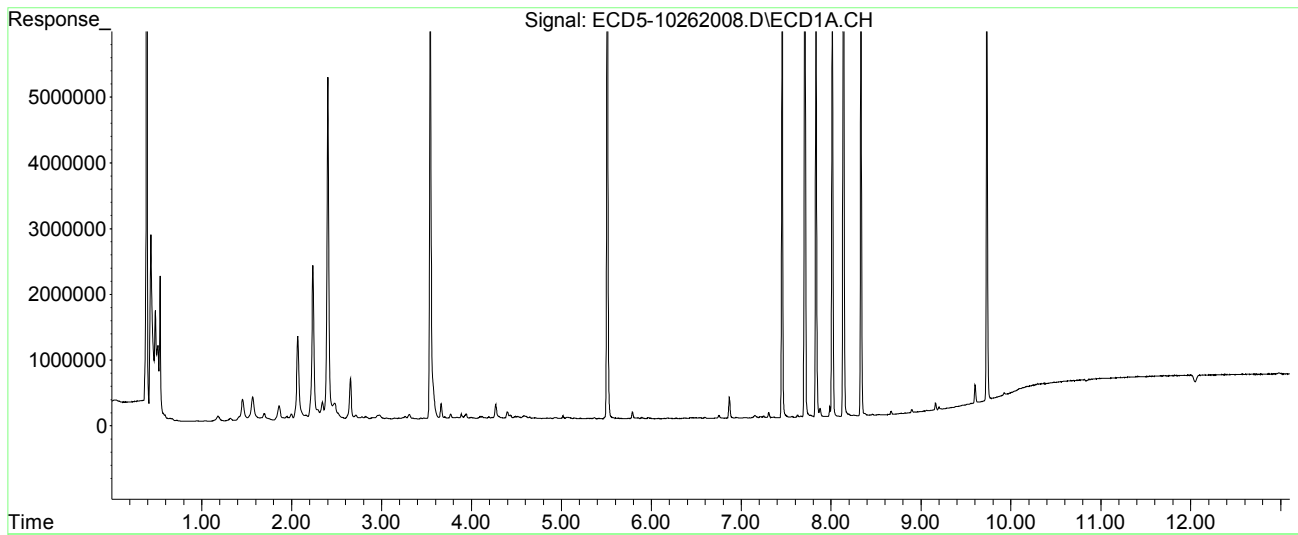
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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 (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:53
 Operator : MJB
 Sample : A0J0343-01RE3 MJB 10/26/20
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:57:50 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)	5.509	5.799	7102788	9854876	29.271	31.817
22) S DCBP (S)	9.731	10.292	7353337	8341162	45.404	54.047
Target Compounds						
2) a-BHC	6.076	6.367f	126164	274215	0.406	0.695 #
3) g-BHC	6.351	6.716	213381	158744	0.809	0.475 #
4) b-BHC	6.439	6.777	503743	174264	4.278	1.149 #
5) Heptachlor	6.745	7.108f	171327	388036	0.677	1.372 #
6) d-BHC	6.577	7.049	106627	213809	0.390	0.500 #
7) Aldrin	7.010	7.310f	175204	166837	0.660	0.547
8) Heptachlo...	7.446	7.803	137472	125748	0.563	0.461
9) trans-Chl...	7.575	7.928	72469	250143	0.285	0.885 #
10) cis-Chlor...	7.642	8.055f	81456	229659	0.335	0.856 #
11) Endosulfa...	7.768	8.091	77655	179414	0.340	0.710 #
12) 4,4'-DDE	7.702	8.132	242152	291084	0.932	0.998 # MKZ
13) Dieldrin	7.916	8.277	46399	159188	0.184	0.566 # 10/28/20
14) Endrin	8.135f	8.492	586722	81521	3.182	0.417 # report col
15) 4,4'-DDD	8.135	8.545	586722	349006	2.686	1.494 # Q-41
16) Endosulfa...	8.271	8.634	32262	82952	0.155	0.361 #
17) 4,4'-DDT	8.328	8.770	78683	109480	0.394	0.575 #
18) Endrin Al...	8.556	8.878	52262	67362	6020.955	0.005 #
19) Endosulfa...	8.858	9.078	97898	85970	0.294	0.218 #
20) Methoxychlor	8.666	9.225	126517	137645	1.118	1.424 #
21) Endrin Ke...	9.045	9.467	70753	90166	0.289	0.363 #
23) Hexachlor...	3.309	3.544f	53267	155521	0.056	0.433 #
24) Hexachlor...	5.888	6.272	147605	3283996	0.430	10.616 #
25) Oxychlorane	7.397	7.735f	75424	152079	0.141	0.634 #
26) 2,4'-DDE	7.446	7.922	137472	207559	0.663	1.070m#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:53
 Operator : MJB
 Sample : A0J0343-01RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:57:50 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...	7.642	7.984	81456	135639	0.159	0.487 #
28)	2,4'-DDD	7.829	8.277	117103	159188	0.613	0.818 #
29)	2,4'-DDT	7.992f	8.533f	49051	89880	0.119m	0.400m#
30)	cis-Nonac...	8.135	8.545	586722	349006	2.228	1.109 #
31)	Mirex	8.773	9.467	94872	90166	0.304	0.244
32)	Chlordane...	7.610	7.984	258762	135639	9.443	3.828 #
33)	Chlordane...	7.702	8.055	242152	229659	8.663	7.957
34)	Chlordane...	8.271	8.729	32262	67907	3.996	4.796
35)	Chlordane...	3.922	3.872	272811	1443922	NoCal	NoCal
36)	Toxaphene...	7.702f	8.277	242152	159188	260.211	58.161 #
37)	Toxaphene...	7.974	8.634	143289	82952	65.977	25.142 #
38)	Toxaphene...	8.271f	8.681	32262	87904	7.465	18.432 #
39)	Toxaphene...	8.556f	8.729	52262	67907	11.586	8.562 #
40)	Toxaphene...	8.773	8.918	94872	53206	26.694	11.132 #
41)	Toxaphene...	8.827	9.284	109882	120250	26.714	25.601
42)	Toxaphene...	3.890	3.905	59734	127100	NoCal	NoCal

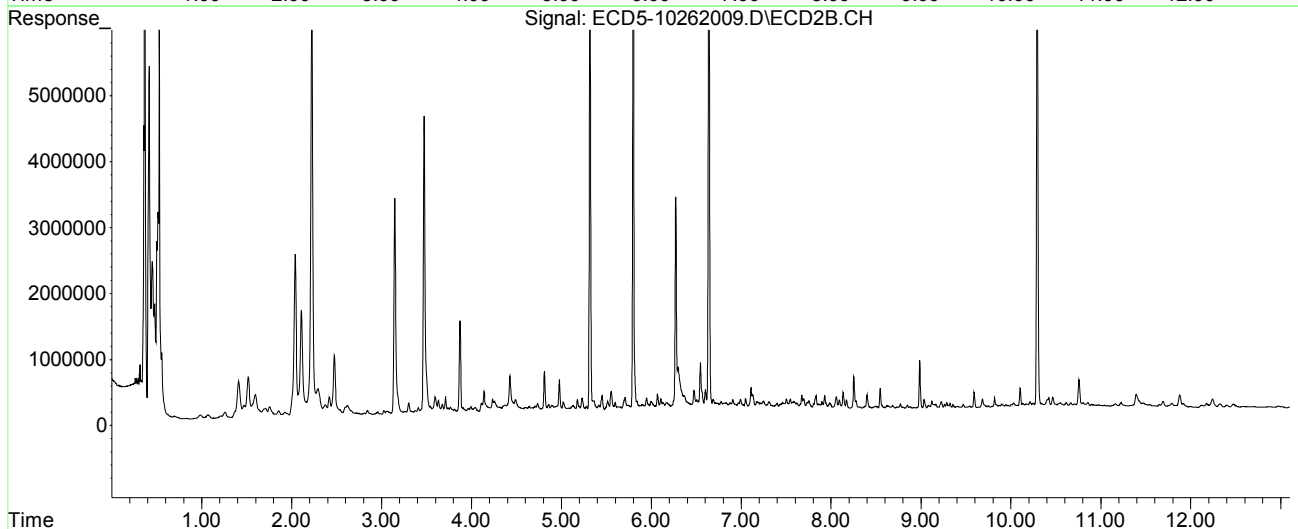
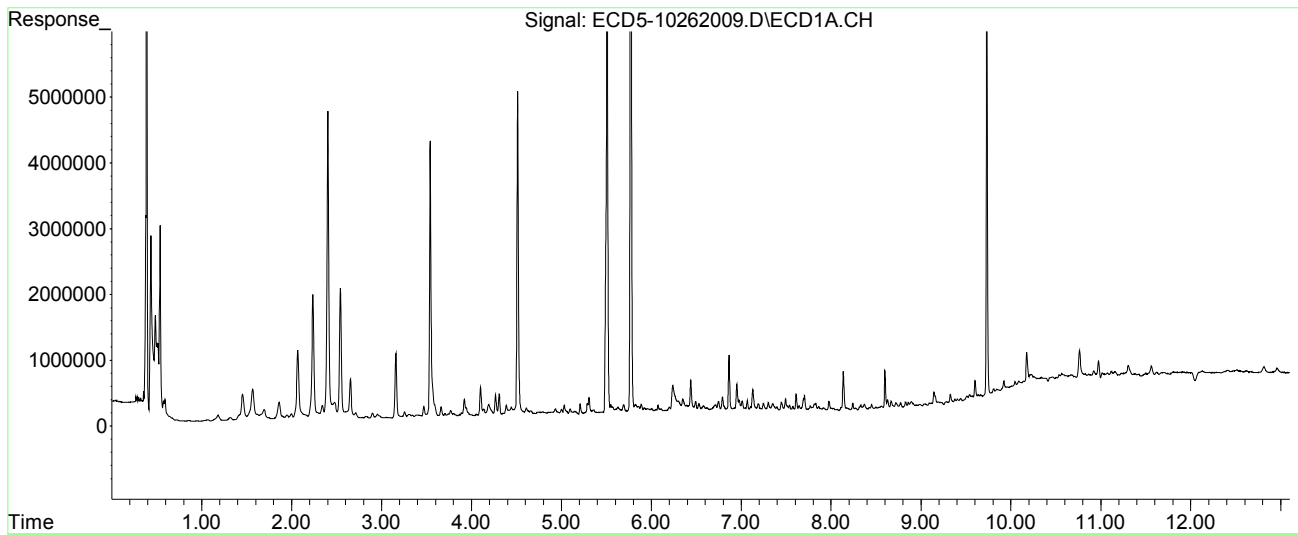
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:53
Operator : MJB
Sample : A0J0343-01RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:57:50 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

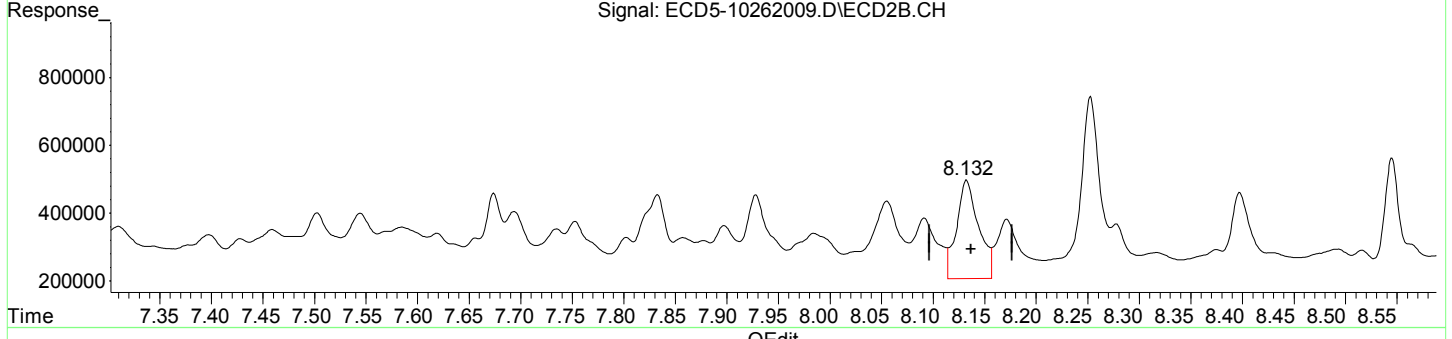
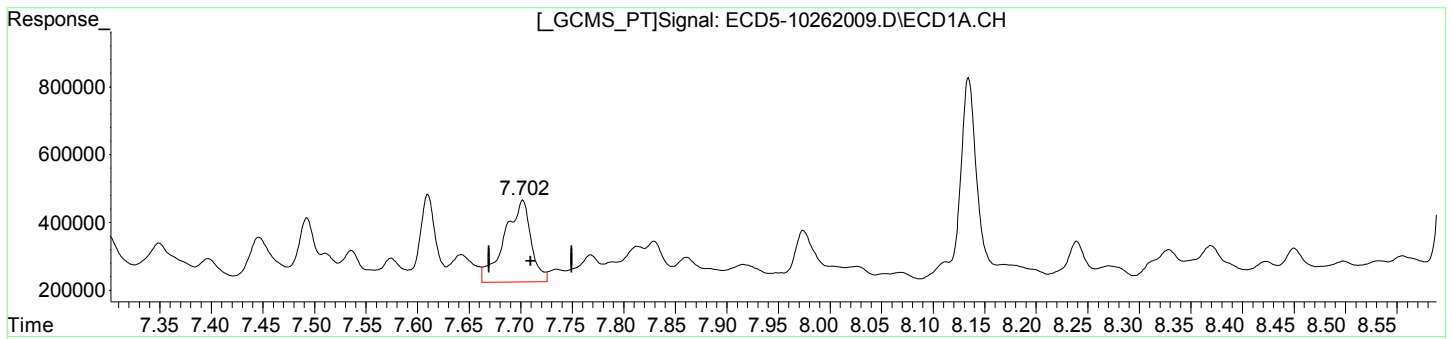


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:53
Operator : MJB
Sample : A0J0343-01RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:55:46 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



QEdit

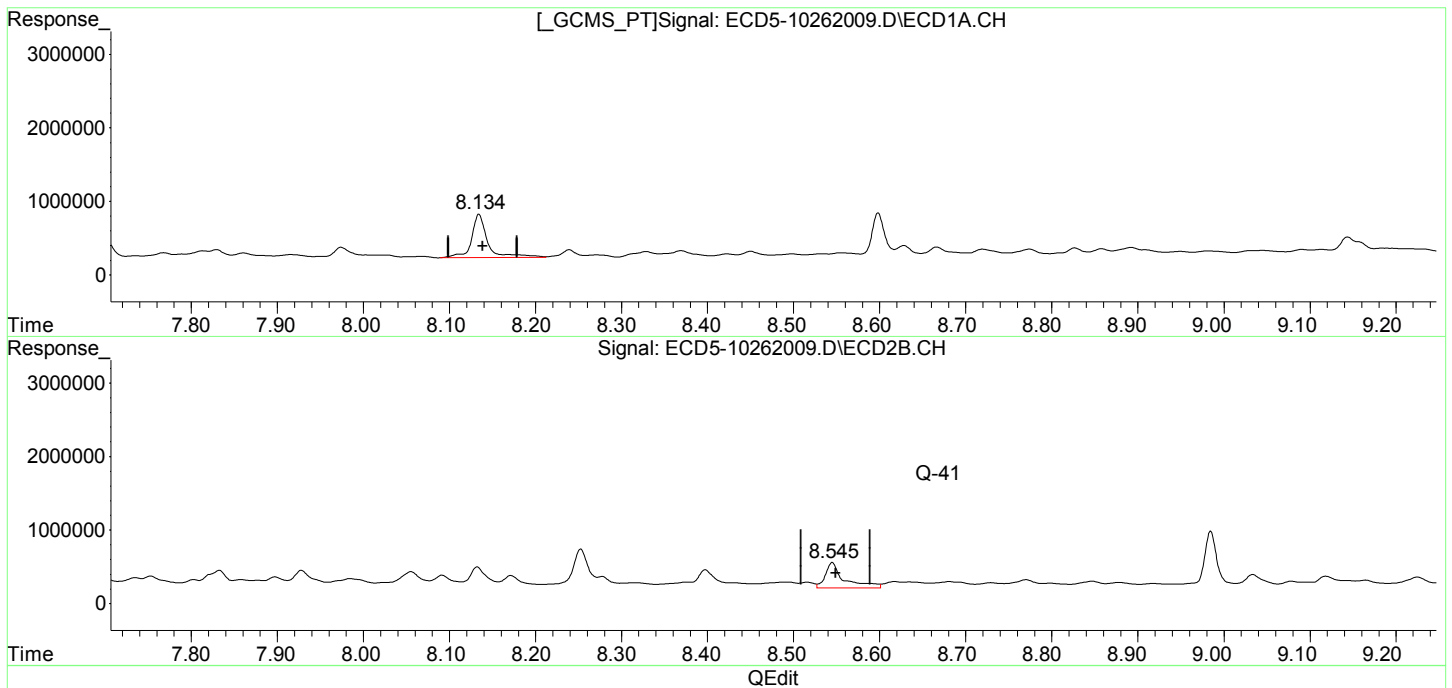
(12) 4,4'-DDE 7.702min 0.932 ng/mL response 242152	MJB 10/26/20
(12) 4,4'-DDE #2 8.132min 0.998 ng/mL response 291084	

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:53
Operator : MJB
Sample : A0J0343-01RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:55:46 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
8.135min 2.686 ng/mL
response 586722

MJB 10/26/20

(15) 4,4'-DDD #2
8.545min 1.494 ng/mL
response 349006

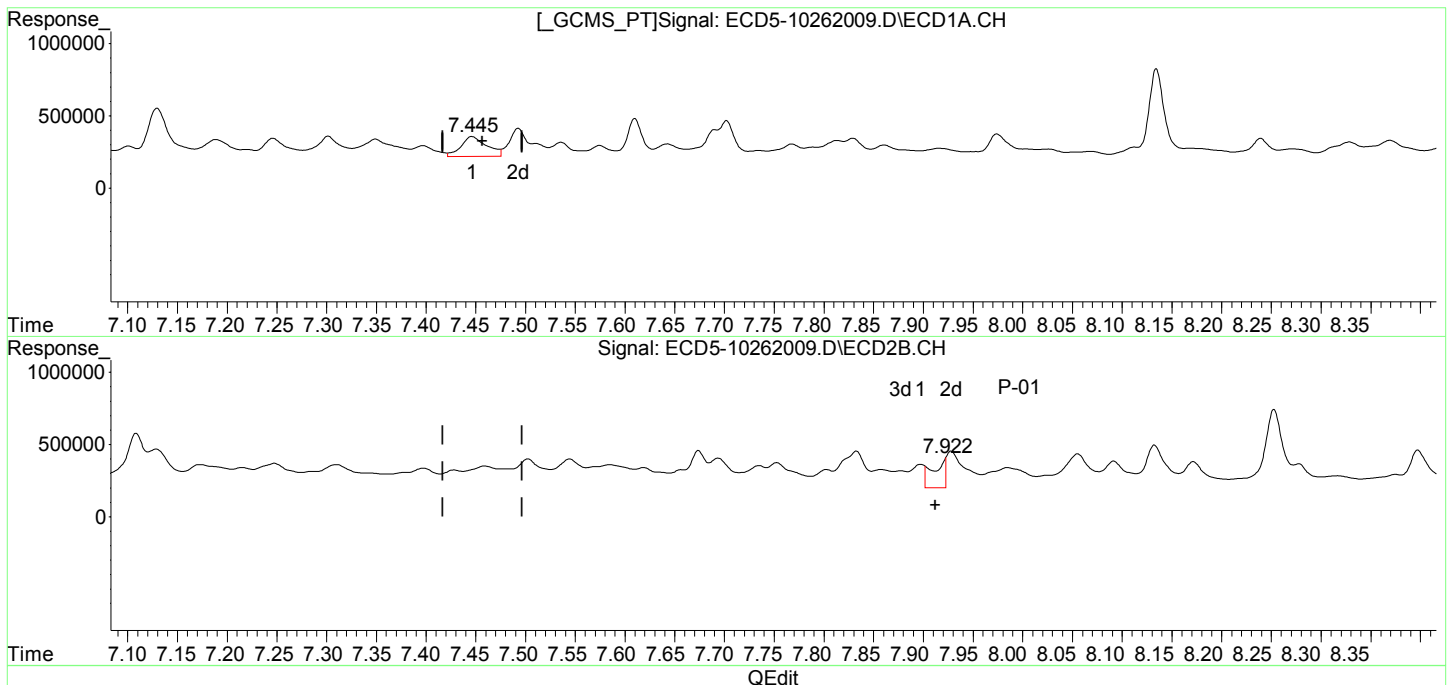
report col #2 with high bias

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:53
Operator : MJB
Sample : A0J0343-01RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:55:46 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
7.446min 0.663 ng/mL
response 137472

MJB 10/26/20

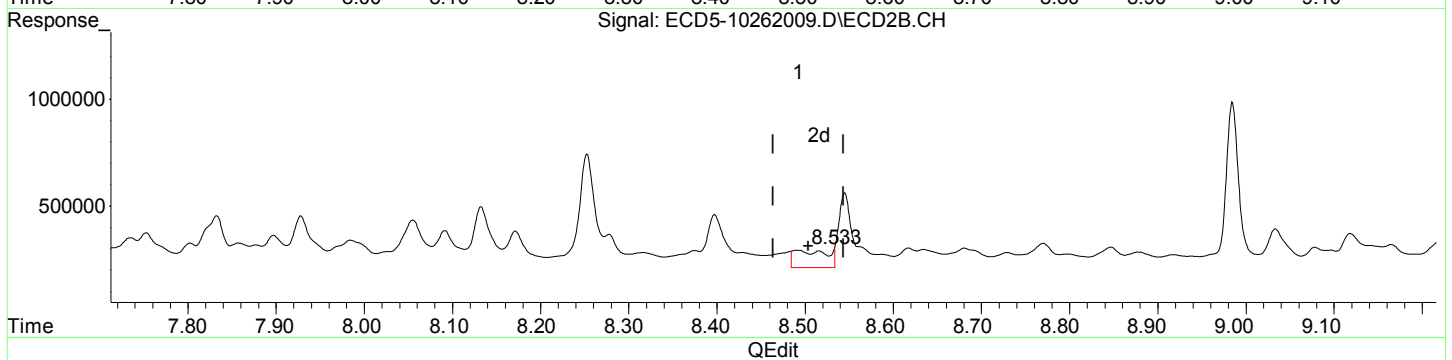
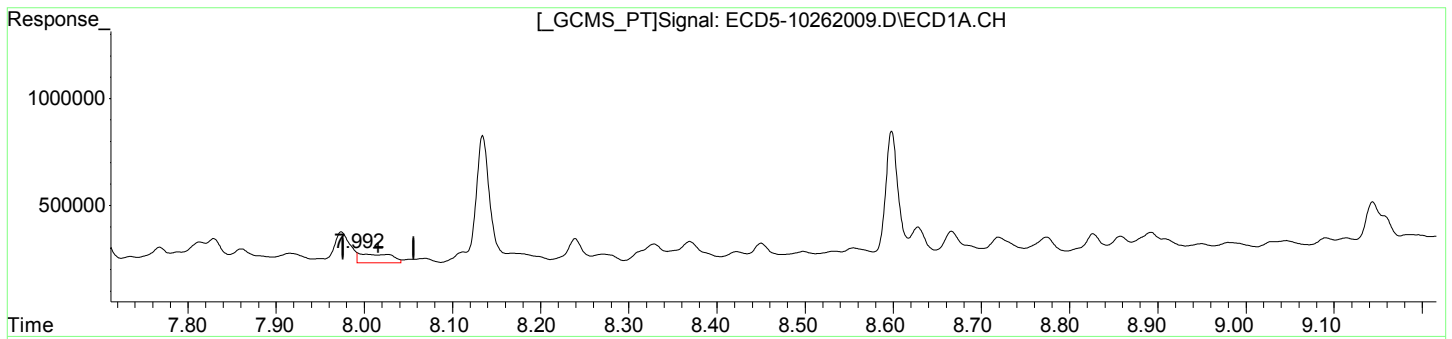
(26) 2,4'-DDE #2
7.922min 1.070 ng/mL m
response 207559

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:53
Operator : MJB
Sample : A0J0343-01RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:55:46 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
7.992min 0.119 ng/mL m
response 49051

MJB 10/26/20

(29) 2,4'-DDT #2
8.533min 0.400 ng/mL m
response 89880

MI

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:53
 Operator : MJB
 Sample : A0J0343-01RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 10 (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 15:55:46 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)	5.509	5.799	7102788	9854876	29.271	31.817
22) S DCBP (S)	9.731	10.292	7353337	8341162	45.404	54.047
Target Compounds						
2) a-BHC	6.076	6.367f	126164	274215	0.406	0.695 #
3) g-BHC	6.351	6.716	213381	158744	0.809	0.475 #
4) b-BHC	6.439	6.777	503743	174264	4.278	1.149 #
5) Heptachlor	6.745	7.108f	171327	388036	0.677	1.372 #
6) d-BHC	6.577	7.049	106627	213809	0.390	0.500 #
7) Aldrin	7.010	7.310f	175204	166837	0.660	0.547
8) Heptachlo...	7.446	7.803	137472	125748	0.563	0.461
9) trans-Chl...	7.575	7.928	72469	250143	0.285	0.885 #
10) cis-Chlor...	7.642	8.055f	81456	229659	0.335	0.856 #
11) Endosulfa...	7.768	8.091	77655	179414	0.340	0.710 #
12) 4,4'-DDE	7.702	8.132	242152	291084	0.932	0.998
13) Dieldrin	7.916	8.277	46399	159188	0.184	0.566 #
14) Endrin	8.135f	8.492	586722	81521	3.182	0.417 #
15) 4,4'-DDD	8.135	8.545	586722	349006	2.686	1.494 #
16) Endosulfa...	8.271	8.634	32262	82952	0.155	0.361 #
17) 4,4'-DDT	8.328	8.770	78683	109480	0.394	0.575 #
18) Endrin Al...	8.556	8.878	52262	67362	6020.955	0.005 #
19) Endosulfa...	8.858	9.078	97898	85970	0.294	0.218 #
20) Methoxychlor	8.666	9.225	126517	137645	1.118	1.424 #
21) Endrin Ke...	9.045	9.467	70753	90166	0.289	0.363 #
23) Hexachlor...	3.309	3.544f	53267	155521	0.056	0.433 #
24) Hexachlor...	5.888	6.272	147605	3283996	0.430	10.616 #
25) Oxychlorane	7.397	7.735f	75424	152079	0.141	0.634 #
26) 2,4'-DDE	7.446	7.897	137472	160266	0.663	0.826

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 13:53
 Operator : MJB
 Sample : A0J0343-01RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 15:55:46 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	7.984	81456	135639	0.159	0.487 #
28)	2,4'-DDD	7.829	8.277	117103	159188	0.613	0.818 #
29)	2,4'-DDT	8.025	8.492	38313	81521	0.040	0.340 #
30)	cis-Nonac...	8.135	8.545	586722	349006	2.228	1.109 #
31)	Mirex	8.773	9.467	94872	90166	0.304	0.244
32)	Chlordane...	7.610	7.984	258762	135639	9.443	3.828 #
33)	Chlordane...	7.702	8.055	242152	229659	8.663	7.957
34)	Chlordane...	8.271	8.729	32262	67907	3.996	4.796
35)	Chlordane...	3.922	3.872	272811	1443922	NoCal	NoCal
36)	Toxaphene...	7.702f	8.277	242152	159188	260.211	58.161 #
37)	Toxaphene...	7.974	8.634	143289	82952	65.977	25.142 #
38)	Toxaphene...	8.271f	8.681	32262	87904	7.465	18.432 #
39)	Toxaphene...	8.556f	8.729	52262	67907	11.586	8.562 #
40)	Toxaphene...	8.773	8.918	94872	53206	26.694	11.132 #
41)	Toxaphene...	8.827	9.284	109882	120250	26.714	25.601
42)	Toxaphene...	3.890	3.905	59734	127100	NoCal	NoCal

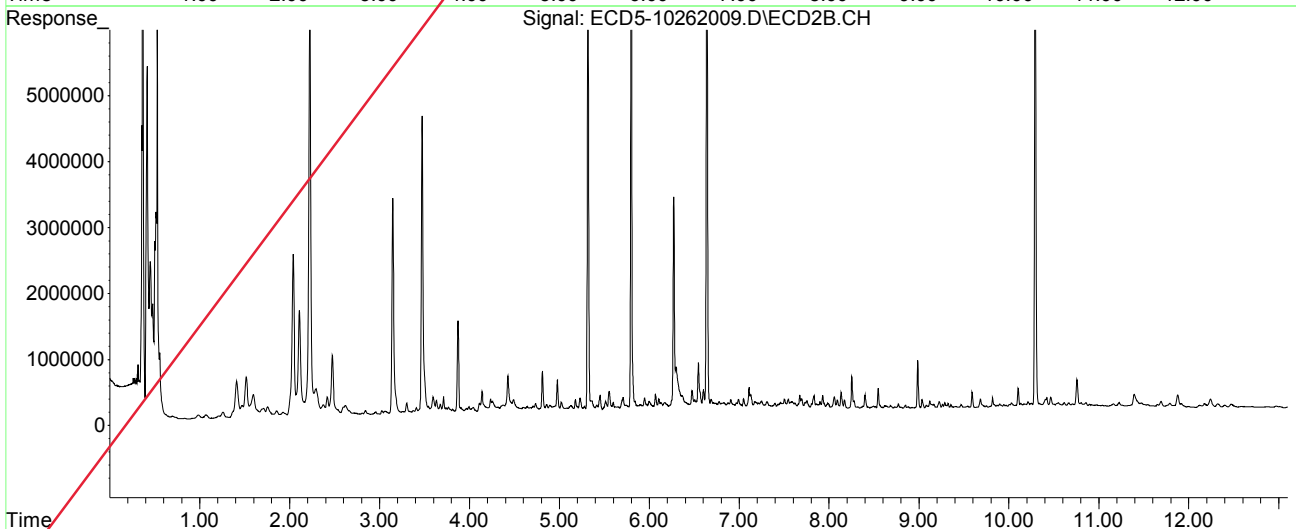
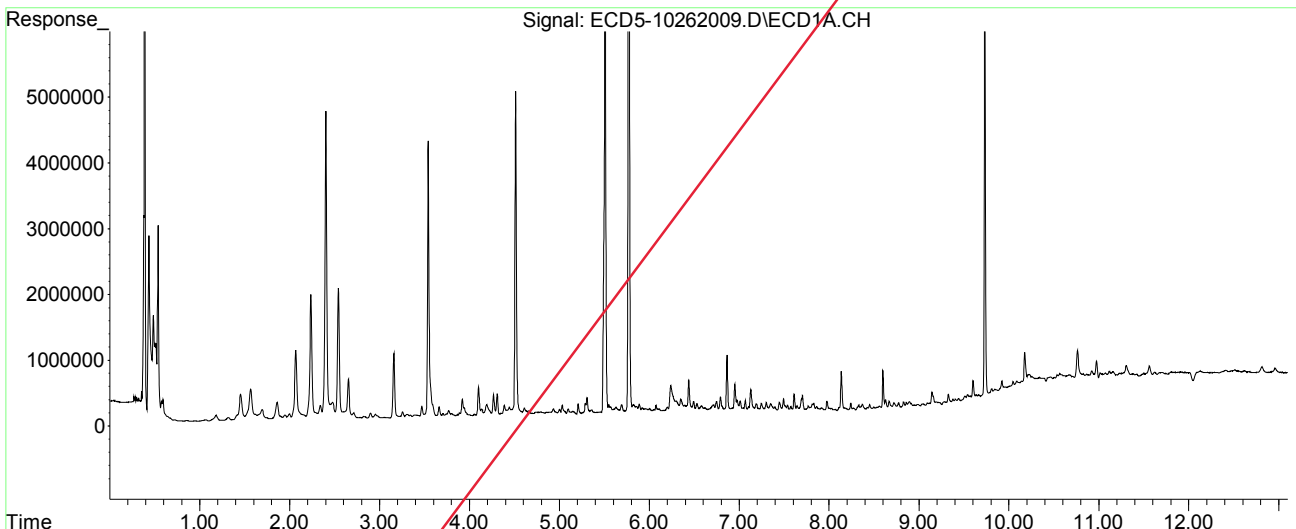
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 13:53
Operator : MJB
Sample : A0J0343-01RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 15:55:46 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 : ECD5-10262010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:11
 Operator : MJB
 Sample : A0J0343-02RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 11 (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 16:02:42 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)	5.509	5.798	6615116	8966741	27.261	28.949	
22) S DCBP (S)	9.731	10.291	6764756	7822560	41.765	50.790	
Target Compounds							
2) a-BHC	6.077	6.365f	126431	224640	0.406	0.570	#
3) g-BHC	6.354	6.691f	177028	177247	0.671	0.530	
4) b-BHC	6.441	6.776	380711	139969	3.187	0.922	#
5) Heptachlor	6.746	7.109f	143989	327577	0.569	1.158	#
6) d-BHC	6.577	7.049	79171	180353	0.289	0.391	#
7) Aldrin	7.011	0.000	243878	0	0.919	N.D.	#
8) Heptachlo...	7.447	7.803	107910	110462	0.442	0.405	
9) trans-Chl...	7.575	7.928	51779	268073	0.204	0.948	#
10) cis-Chlor...	7.642	8.055f	73171	272894	0.301	1.017	#
11) Endosulfa...	7.768	8.091	70467	158084	0.308	0.626	#
12) 4,4'-DDE	7.701	8.131	208071	262570	0.801	0.900	
13) Dieldrin	7.912f	8.252f	35840	508606	0.142	1.808	#
14) Endrin	8.134f	8.494	537579	77409	2.915	0.396	#
15) 4,4'-DDD	8.134	8.544	537579	315575	2.461	1.351	# Q-41
16) Endosulfa...	8.238f	8.637	140322	76378	0.673	0.333	# report col
17) 4,4'-DDT	8.325	8.769	78328	90257	0.393	0.474	#2
18) Endrin Al...	8.553	8.881	29574	62534	6021.073	BelowCal	# MKZ
19) Endosulfa...	8.856	9.079	45601	83135	0.011	0.204	# 10/28/20
20) Methoxychlor	8.665	9.225	176453	152551	1.635	1.578	
21) Endrin Ke...	9.050	9.467	19720	104661	0.081	0.421	#
23) Hexachlor...	3.309	3.475f	48213	5063672	0.033	14.109	#
24) Hexachlor...	5.889	6.272	103413	2133863	0.238	6.850	#
25) Oxychlorane	7.398	7.733	56133	131033	0.039	0.546	#
26) 2,4'-DDE	7.447	7.920	107910	180103	0.472	0.928m	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:11
 Operator : MJB
 Sample : A0J0343-02RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:02:42 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	7.984	73171	120745	0.122	0.433 #
28)	2,4'-DDD	7.812f	8.266	119288	161839	0.628	0.836m#
29)	2,4'-DDT	8.020	8.494	38226	77409	0.040	0.310 #
30)	cis-Nonac...	8.134	8.544	537579	315575	2.023	0.980 #
31)	Mirex	8.772	9.467	52672	104661	0.014	0.341 #
32)	Chlordane...	7.610	7.984	137992	120745	5.036	3.408 #
33)	Chlordane...	7.701	8.055	208071	272894	7.444	9.456 #
34)	Chlordane...	8.238f	8.729	140322	60631	17.381	3.880 #
35)	Chlordane...	3.922	3.871	184690	1062222	NoCal	NoCal
36)	Toxaphene...	7.701f	8.315f	208071	65141	223.767	23.800 #
37)	Toxaphene...	7.974	8.637	134735	76378	62.039	23.150 #
38)	Toxaphene...	8.325f	8.679	78328	144345	18.125	30.266 #
39)	Toxaphene...	8.553f	8.729	29574	60631	6.556	7.644
40)	Toxaphene...	8.772	8.918	52672	56684	14.820	11.860
41)	Toxaphene...	8.826	9.283	80869	177494	19.660	37.789 #
42)	Toxaphene...	3.888	3.871f	57527	1062222	NoCal	NoCal

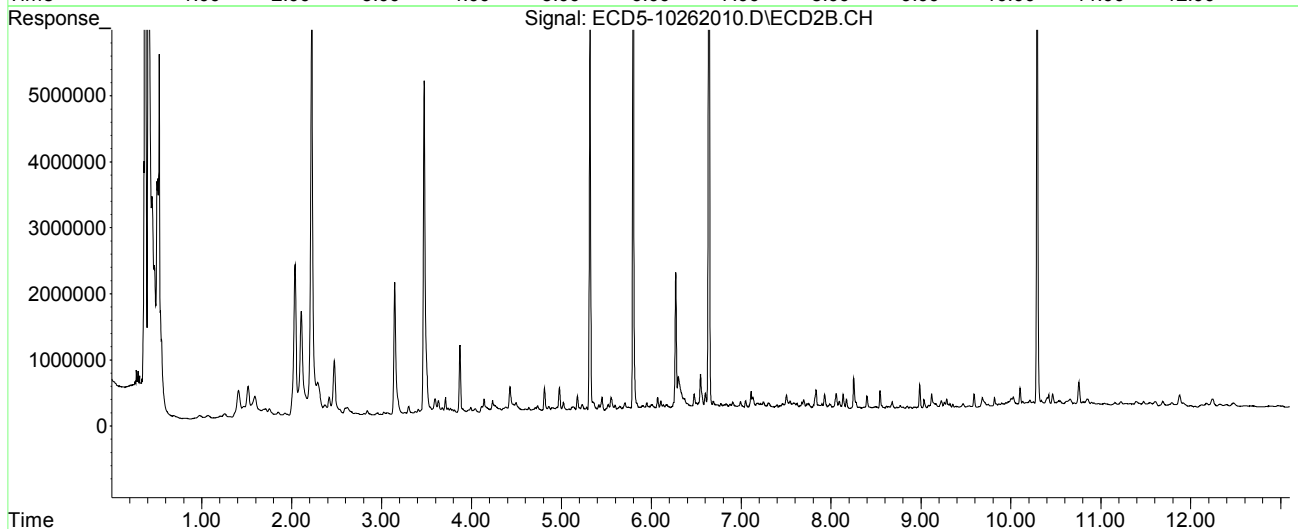
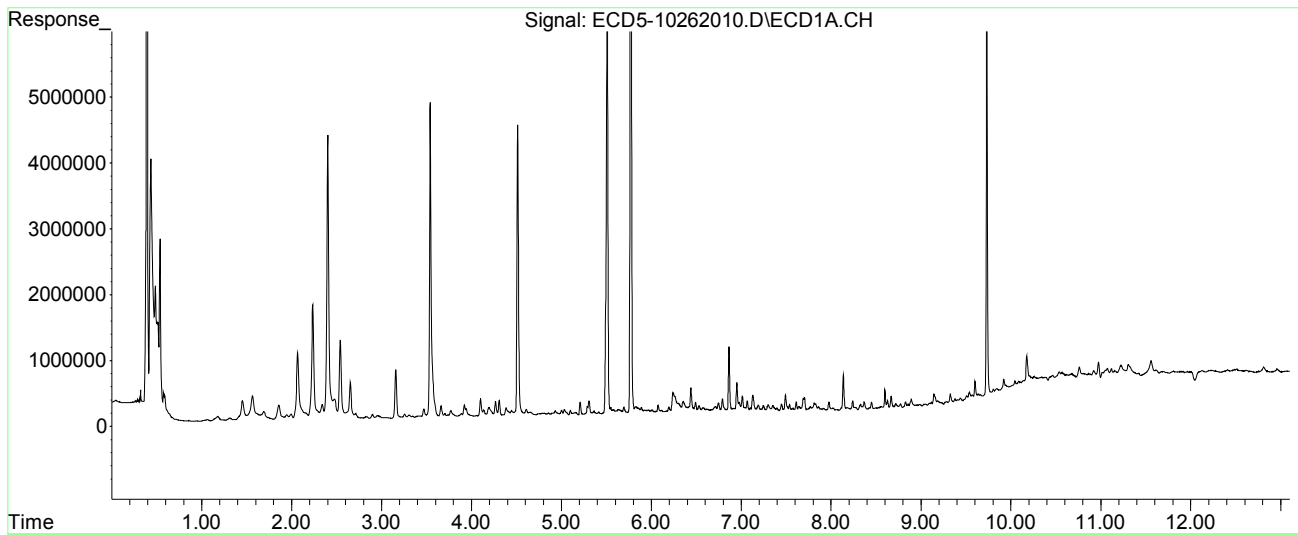
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:11
Operator : MJB
Sample : A0J0343-02RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:02:42 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

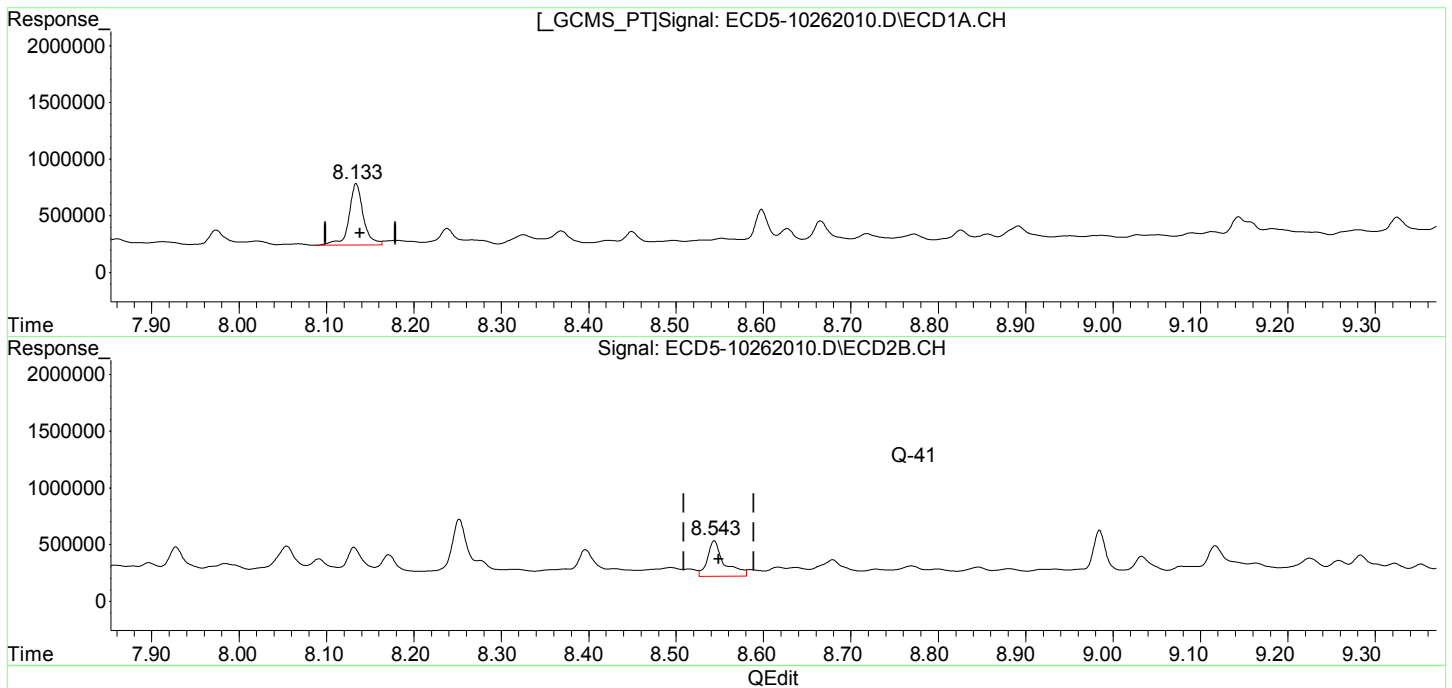


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:11
Operator : MJB
Sample : A0J0343-02RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:01:44 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
8.134min 2.461 ng/mL
response 537579

MJB 10/26/20

(15) 4,4'-DDD #2
8.544min 1.351 ng/mL
response 315575

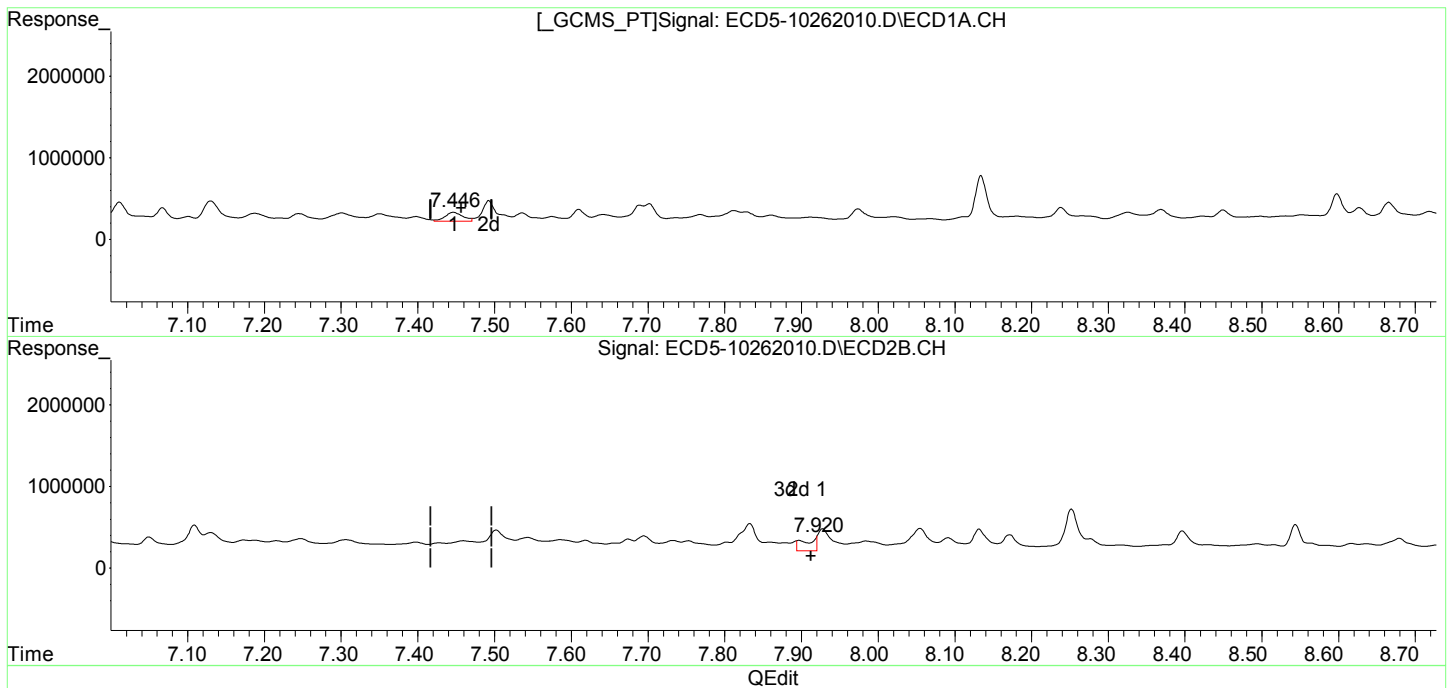
Report column #2 MKZ 10/28/2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:11
Operator : MJB
Sample : A0J0343-02RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:01:44 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
7.447min 0.472 ng/mL
response 107910

MJB 10/26/20

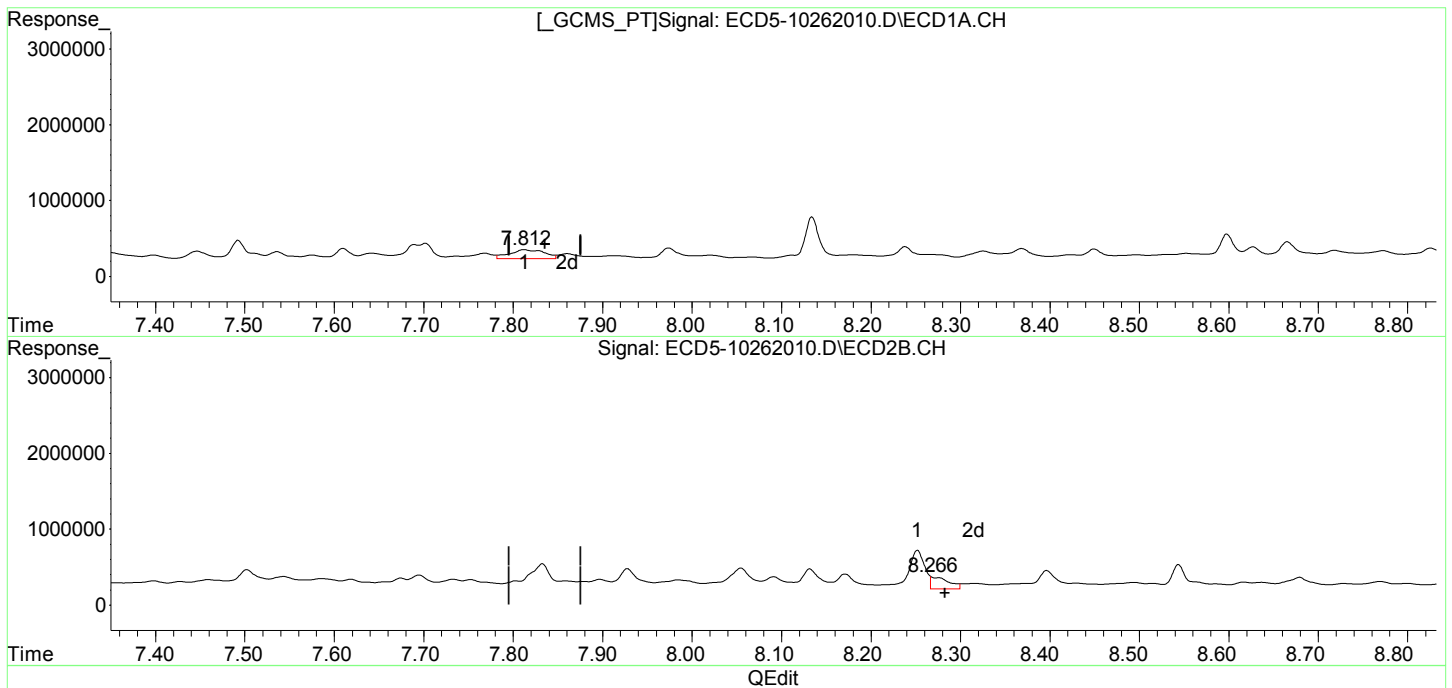
(26) 2,4'-DDE #2
7.920min 0.928 ng/mL m
response 180103

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:11
Operator : MJB
Sample : A0J0343-02RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:01:44 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
7.812min 0.628 ng/mL
response 119288

MJB 10/26/20

(28) 2,4'-DDD #2
8.266min 0.836 ng/mL m
response 161839

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:11
 Operator : MJB
 Sample : A0J0343-02RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 11 (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 16:01:44 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)	5.509	5.798	6615116	8966741	27.261	28.949
22) S DCBP (S)	9.731	10.291	6764756	7822560	41.765	50.790
Target Compounds						
2) a-BHC	6.077	6.365f	126431	224640	0.406	0.570 #
3) g-BHC	6.354	6.691f	177028	177247	0.671	0.530
4) b-BHC	6.441	6.776	380711	139969	3.187	0.922 #
5) Heptachlor	6.746	7.109f	143989	327577	0.569	1.158 #
6) d-BHC	6.577	7.049	79171	180353	0.289	0.391 #
7) Aldrin	7.011	0.000	243878	0	0.919	N.D. #
8) Heptachlo...	7.447	7.803	107910	110462	0.442	0.405
9) trans-Chl...	7.575	7.928	51779	268073	0.204	0.948 #
10) cis-Chlor...	7.642	8.055f	73171	272894	0.301	1.017 #
11) Endosulfa...	7.768	8.091	70467	158084	0.308	0.626 #
12) 4,4'-DDE	7.701	8.131	208071	262570	0.801	0.900
13) Dieldrin	7.912f	8.252f	35840	508606	0.142	1.808 #
14) Endrin	8.134f	8.494	537579	77409	2.915	0.396 #
15) 4,4'-DDD	8.134	8.544	537579	315575	2.461	1.351 #
16) Endosulfa...	8.238f	8.637	140322	76378	0.673	0.333 #
17) 4,4'-DDT	8.325	8.769	78328	90257	0.393	0.474
18) Endrin Al...	8.553	8.881	29574	62534	6021.073	BelowCal #
19) Endosulfa...	8.856	9.079	45601	83135	0.011	0.204 #
20) Methoxychlor	8.665	9.225	176453	152551	1.635	1.578
21) Endrin Ke...	9.050	9.467	19720	104661	0.081	0.421 #
23) Hexachlor...	3.309	3.475f	48213	5063672	0.033	14.109 #
24) Hexachlor...	5.889	6.272	103413	2133863	0.238	6.850 #
25) Oxychlorane	7.398	7.733	56133	131033	0.039	0.546 #
26) 2,4'-DDE	7.447	7.928	107910	268073	0.472	1.382 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:11
 Operator : MJB
 Sample : A0J0343-02RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:01:44 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	7.984	73171	120745	0.122	0.433 #
28)	2,4'-DDD	7.812f	8.252f	119288	508606	0.628	3.188 #
29)	2,4'-DDT	8.020	8.494	38226	77409	0.040	0.310 #
30)	cis-Nonac...	8.134	8.544	537579	315575	2.023	0.980 #
31)	Mirex	8.772	9.467	52672	104661	0.014	0.341 #
32)	Chlordane...	7.610	7.984	137992	120745	5.036	3.408 #
33)	Chlordane...	7.701	8.055	208071	272894	7.444	9.456 #
34)	Chlordane...	8.238f	8.729	140322	60631	17.381	3.880 #
35)	Chlordane...	3.922	3.871	184690	1062222	NoCal	NoCal
36)	Toxaphene...	7.701f	8.315f	208071	65141	223.767	23.800 #
37)	Toxaphene...	7.974	8.637	134735	76378	62.039	23.150 #
38)	Toxaphene...	8.325f	8.679	78328	144345	18.125	30.266 #
39)	Toxaphene...	8.553f	8.729	29574	60631	6.556	7.644
40)	Toxaphene...	8.772	8.918	52672	56684	14.820	11.860
41)	Toxaphene...	8.826	9.283	80869	177494	19.660	37.789 #
42)	Toxaphene...	3.888	3.871f	57527	1062222	NoCal	NoCal

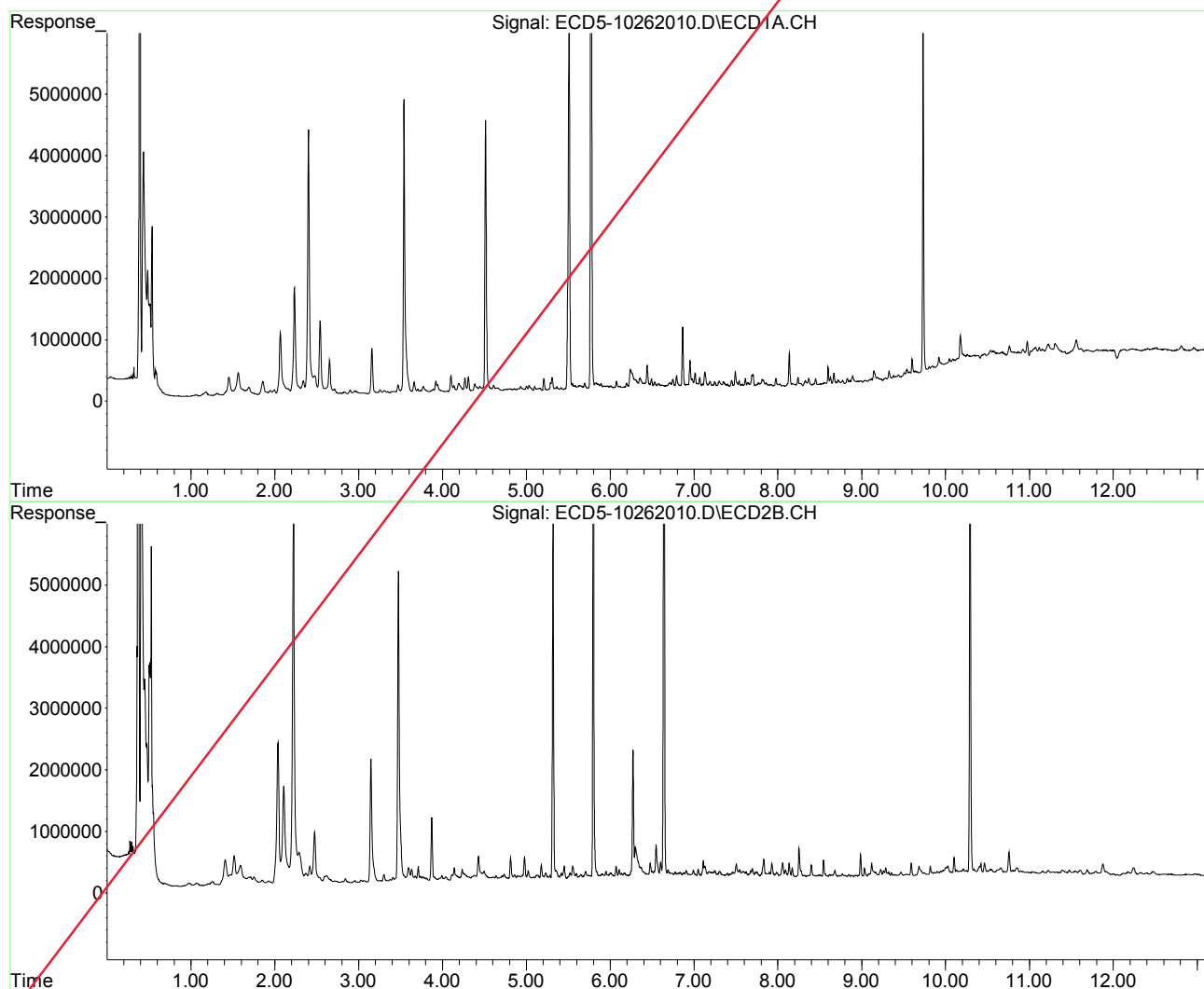
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:11
Operator : MJB
Sample : A0J0343-02RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:01:44 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 : ECD5-10262011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:28
 Operator : MJB
 Sample : A0J0343-03RE3 MJB 10/26/20
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:08:54 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)	5.509	5.799	4850008	6495391	19.987	20.970
22) S DCBP (S)	9.731	10.292	6623519	7461530	40.891	48.514
Target Compounds						
2) a-BHC	6.078	0.000	70108	0	0.225	N.D. #
3) g-BHC	6.355	6.717	162726	96804	0.617	0.290 #
4) b-BHC	6.443	6.779	341744	97679	2.841	0.644 #
5) Heptachlor	6.748	7.109f	112792	267134	0.445	0.945 #
6) d-BHC	6.580	7.050f	72029	127691	0.263	0.221
7) Aldrin	7.011	0.000	91501	0	0.345	N.D. #
8) Heptachlo...	7.447	7.754f	68694	107524	0.281	0.394 #
9) trans-Chl...	7.575	7.928	52609	210752	0.207	0.745 #
10) cis-Chlor...	7.643	8.055f	78159	193978	0.321	0.723 #
11) Endosulfa...	7.767	8.091	58416	98419	0.256	0.389 # report col
12) 4,4'-DDE	7.701	8.132	179502	206043	0.691	0.706 # 2
13) Dieldrin	7.911f	8.253f	29304	301845	0.116	1.073 # MKZ
14) Endrin	8.135f	8.493	341921	48408	1.854	0.248 # 10/28/20
15) 4,4'-DDD	8.135	8.544	341921	236215	1.565	1.011 # Q-41
16) Endosulfa...	8.267	8.636	24856	48133	0.119	0.210 #
17) 4,4'-DDT	8.326	8.770	70149	57949	0.352	0.304
18) Endrin Al...	8.553	8.881	19060	37201	6021.128	BelowCal #
19) Endosulfa...	8.857	9.079	55792	61051	0.067	0.092 #
20) Methoxychlor	8.666	9.225	102684	121446	0.871	1.256 #
21) Endrin Ke...	9.046	9.467	18654	73340	0.076	0.295 #
23) Hexachlor...	3.308	3.544f	39963	110961	4769.932	0.309 #
24) Hexachlor...	5.892	6.272	87112	1240011	0.167	3.911 #
25) Oxychlorane	7.397	7.734	43336	89400	BelowCal	0.372
26) 2,4'-DDE	7.447	7.919	68694	115538	0.219	0.596m#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:28
 Operator : MJB
 Sample : A0J0343-03RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:08:54 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...	7.643	7.985	78159	107351	0.144	0.385 #
28)	2,4'-DDD	7.813f	8.267	117867	112703	0.618	0.502m
29)	2,4'-DDT	8.024	8.493	27390	48408	BelowCal	0.098
30)	cis-Nonac...	8.135	8.544	341921	236215	1.207	0.675 #
31)	Mirex	8.772	9.467	43157	73340	BelowCal	0.130
32)	Chlordane...	7.610	7.985	146799	107351	5.357	3.030 #
33)	Chlordane...	7.701	8.055	179502	193978	6.422	6.721
34)	Chlordane...	8.267	8.728	24856	36314	3.079	0.819 #
35)	Chlordane...	3.922	3.871	154505	976233	NoCal	NoCal
36)	Toxaphene...	7.701f	8.316f	179502	35141	193.039	12.839 #
37)	Toxaphene...	7.974	8.636	121073	48133	55.748	14.589 #
38)	Toxaphene...	8.267f	8.670	24856	67949	5.752	14.247 #
39)	Toxaphene...	8.553f	8.728	19060	36314	4.226	4.578
40)	Toxaphene...	8.772	8.919	43157	34203	12.143	7.156 #
41)	Toxaphene...	8.827	9.284	71803	119609	17.456	25.465 #
42)	Toxaphene...	3.889	3.905	47845	75221	NoCal	NoCal

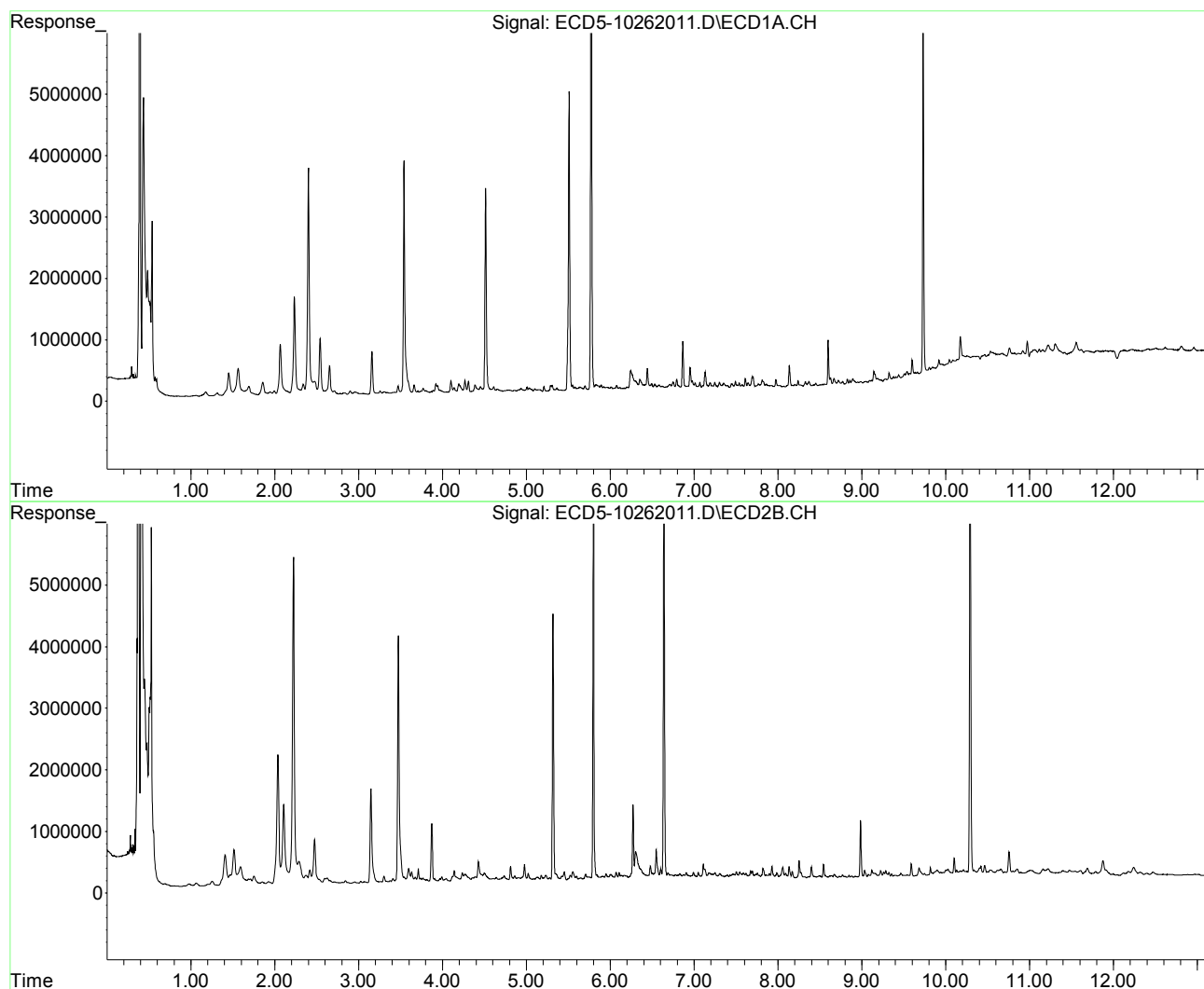
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:28
Operator : MJB
Sample : A0J0343-03RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:08:54 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

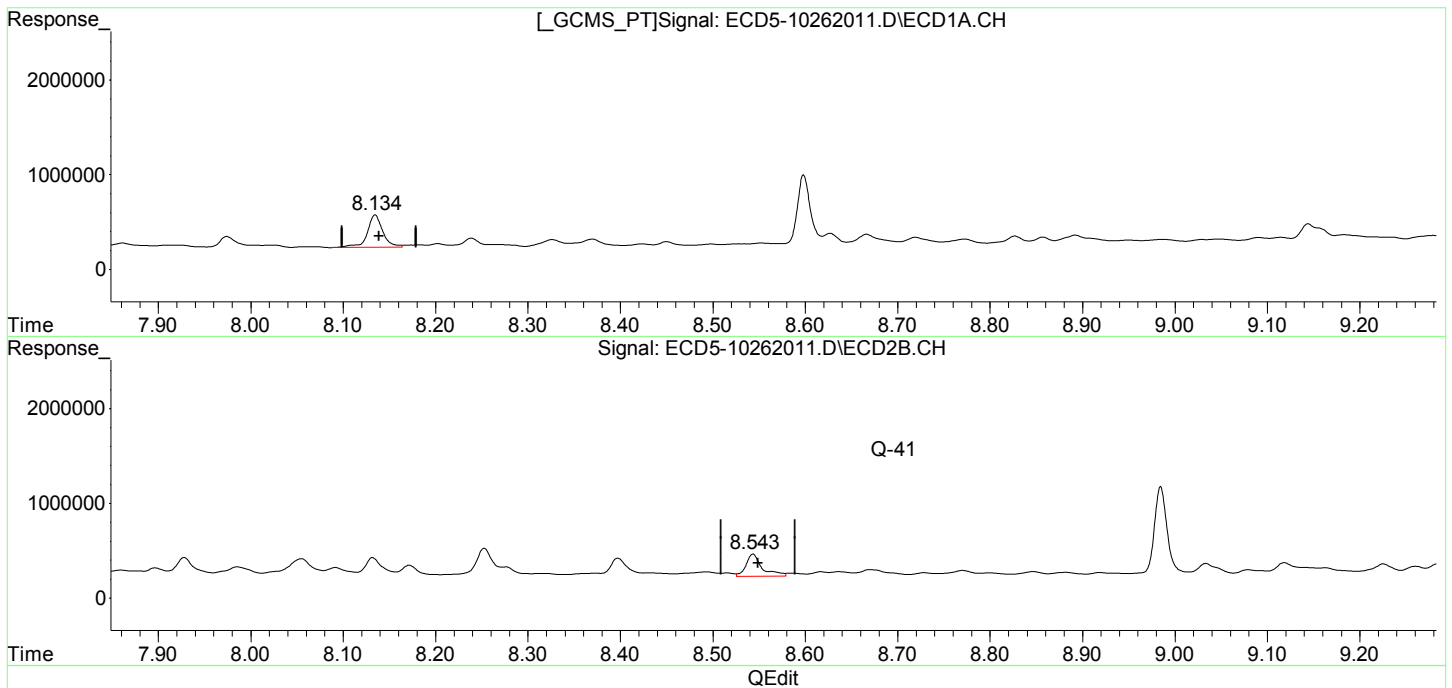


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:28
Operator : MJB
Sample : A0J0343-03RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:05:08 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
8.135min 1.565 ng/mL
response 341921

(15) 4,4'-DDD #2
8.544min 1.011 ng/mL
response 236215

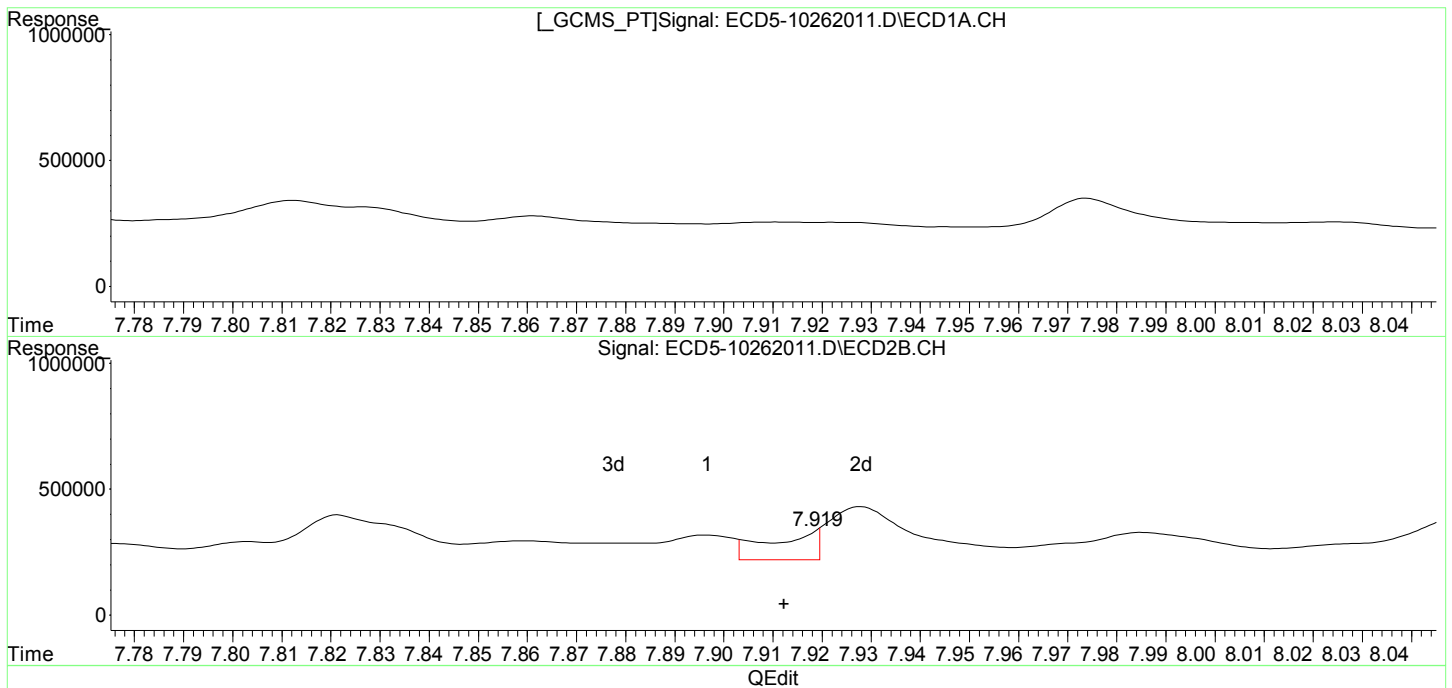
report col #2 MKZ 10/28/2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:28
Operator : MJB
Sample : A0J0343-03RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:05:08 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
7.447min 0.219 ng/mL
response 68694

(26) 2,4'-DDE #2
7.919min 0.596 ng/mL m
response 115538

MJB 10/26/20

(+) = Expected Retention Time

ECD5_QUANTP..._201014RT1.M Mon Oct 26 16:08:46 2020

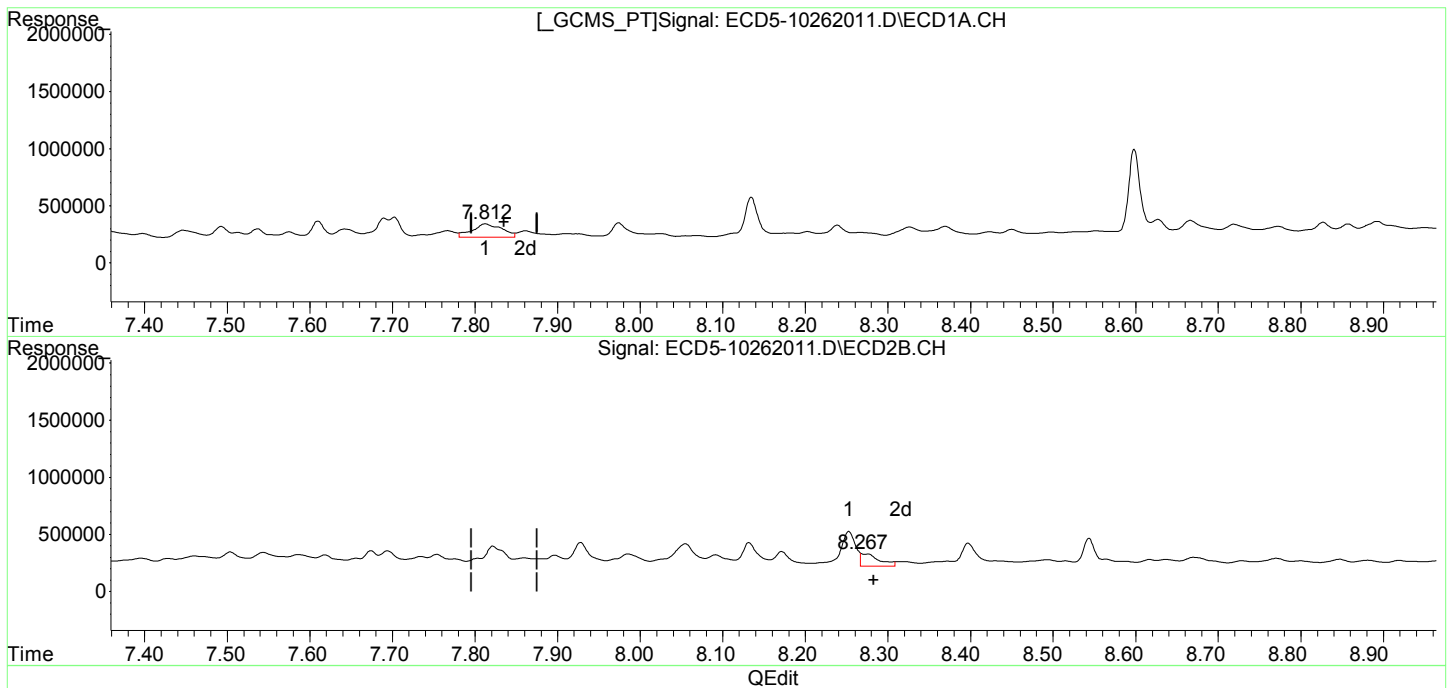
Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:28
Operator : MJB
Sample : A0J0343-03RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:05:08 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
7.813min 0.618 ng/mL
response 117867

MJB 10/26/20

(28) 2,4'-DDD #2
8.267min 0.502 ng/mL m
response 112703

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:28
 Operator : MJB
 Sample : A0J0343-03RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 12 (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 16:05:08 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)	5.509	5.799	4850008	6495391	19.987	20.970
22) S DCBP (S)	9.731	10.292	6623519	7461530	40.891	48.514
Target Compounds						
2) a-BHC	6.078	0.000	70108	0	0.225	N.D. #
3) g-BHC	6.355	6.717	162726	96804	0.617	0.290 #
4) b-BHC	6.443	6.779	341744	97679	2.841	0.644 #
5) Heptachlor	6.748	7.109f	112792	267134	0.445	0.945 #
6) d-BHC	6.580	7.050f	72029	127691	0.263	0.221
7) Aldrin	7.011	0.000	91501	0	0.345	N.D. #
8) Heptachlo...	7.447	7.754f	68694	107524	0.281	0.394 #
9) trans-Chl...	7.575	7.928	52609	210752	0.207	0.745 #
10) cis-Chlor...	7.643	8.055f	78159	193978	0.321	0.723 #
11) Endosulfa...	7.767	8.091	58416	98419	0.256	0.389 #
12) 4,4'-DDE	7.701	8.132	179502	206043	0.691	0.706
13) Dieldrin	7.911f	8.253f	29304	301845	0.116	1.073 #
14) Endrin	8.135f	8.493	341921	48408	1.854	0.248 #
15) 4,4'-DDD	8.135	8.544	341921	236215	1.565	1.011 #
16) Endosulfa...	8.267	8.636	24856	48133	0.119	0.210 #
17) 4,4'-DDT	8.326	8.770	70149	57949	0.352	0.304
18) Endrin Al...	8.553	8.881	19060	37201	6021.128	BelowCal #
19) Endosulfa...	8.857	9.079	55792	61051	0.067	0.092 #
20) Methoxychlor	8.666	9.225	102684	121446	0.871	1.256 #
21) Endrin Ke...	9.046	9.467	18654	73340	0.076	0.295 #
23) Hexachlor...	3.308	3.544f	39963	110961	4769.932	0.309 #
24) Hexachlor...	5.892	6.272	87112	1240011	0.167	3.911 #
25) Oxychlorane	7.397	7.734	43336	89400	BelowCal	0.372
26) 2,4'-DDE	7.447	7.897	68694	98342	0.219	0.507 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:28
 Operator : MJB
 Sample : A0J0343-03RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:05:08 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...	7.643	7.985	78159	107351	0.144	0.385 #
28)	2,4'-DDD	7.813f	8.253f	117867	301845	0.618	1.787 #
29)	2,4'-DDT	8.024	8.493	27390	48408	BelowCal	0.098
30)	cis-Nonac...	8.135	8.544	341921	236215	1.207	0.675 #
31)	Mirex	8.772	9.467	43157	73340	BelowCal	0.130
32)	Chlordane...	7.610	7.985	146799	107351	5.357	3.030 #
33)	Chlordane...	7.701	8.055	179502	193978	6.422	6.721
34)	Chlordane...	8.267	8.728	24856	36314	3.079	0.819 #
35)	Chlordane...	3.922	3.871	154505	976233	NoCal	NoCal
36)	Toxaphene...	7.701f	8.316f	179502	35141	193.039	12.839 #
37)	Toxaphene...	7.974	8.636	121073	48133	55.748	14.589 #
38)	Toxaphene...	8.267f	8.670	24856	67949	5.752	14.247 #
39)	Toxaphene...	8.553f	8.728	19060	36314	4.226	4.578
40)	Toxaphene...	8.772	8.919	43157	34203	12.143	7.156 #
41)	Toxaphene...	8.827	9.284	71803	119609	17.456	25.465 #
42)	Toxaphene...	3.889	3.905	47845	75221	NoCal	NoCal

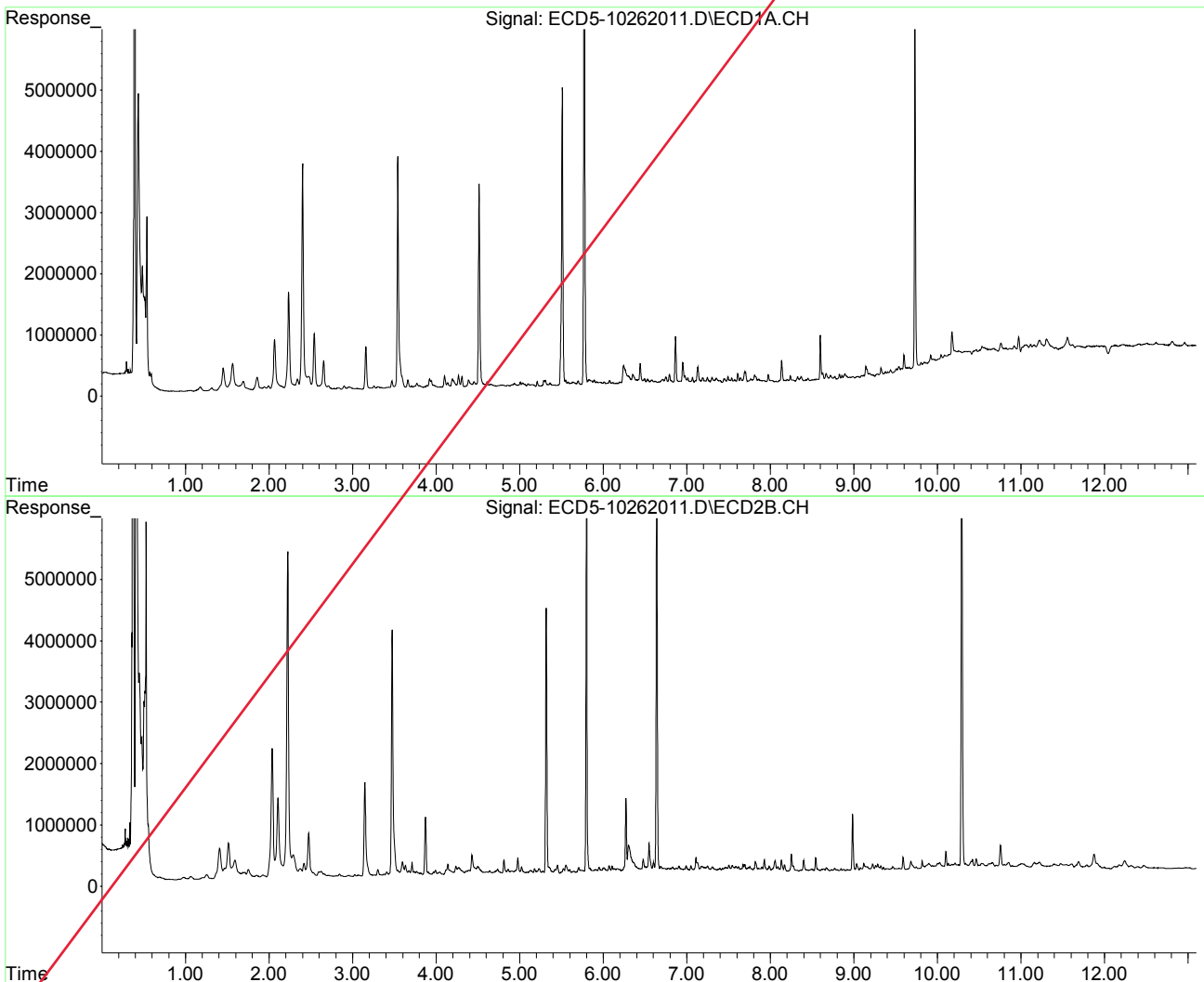
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:28
Operator : MJB
Sample : A0J0343-03RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:05:08 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 : ECD5-10262012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:45
 Operator : MJB
 Sample : A0J0343-04RE3 MJB 10/26/20
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:15:56 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)	5.509	5.798	5601328	7581567	23.083	24.477
22) S DCBP (S)	9.730	10.291	6964999	7944696	43.003	51.558
Target Compounds						
2) a-BHC	6.080	6.367f	63891	295019	0.205	0.748 #
3) g-BHC	6.352	6.738f	225084	162979	0.853	0.488 #
4) b-BHC	6.439	6.777	501327	191321	4.257	1.261 #
5) Heptachlor	6.747	7.107f	186159	431452	0.735	1.526 #
6) d-BHC	6.575	7.049	108989	246281	0.398	0.605 #
7) Aldrin	7.010	7.309f	224875	168038	0.848	0.551 #
8) Heptachlo...	7.446	7.802	171284	153803	0.701	0.564
9) trans-Chl...	7.575	7.928	95252	276142	0.375	0.976 #
10) cis-Chlor...	7.640	8.055f	81565	426771	0.335	1.591 #
11) Endosulfa...	7.769	8.092	76860	240148	0.336	0.950 #
12) 4,4'-DDE	7.701	8.132	212601	262855	0.818	0.901
13) Dieldrin	7.912f	8.252f	35156	686805	0.139	2.441 #
14) Endrin	8.134f	8.493	647179	98212	3.510	0.503 #
15) 4,4'-DDD	8.134	8.544	647179	302159	2.963	1.294 # MDL=MRL
16) Endosulfa...	8.239f	8.635	250391	87926	1.201	0.383 #
17) 4,4'-DDT	8.328	8.770	50871	86480	0.255	0.454 #
18) Endrin Al...	8.553	8.883	43933	74613	6020.999	0.041 #
19) Endosulfa...	8.857	9.079	61823	108276	0.099	0.331 #
20) Methoxychlor	8.666	9.225	102143	167064	0.865	1.728 #
21) Endrin Ke...	9.046	9.465	33065	123628	0.135	0.498 #
23) Hexachlor...	3.311	3.545f	47267	118459	0.029	0.330 #
24) Hexachlor...	5.887	6.272	174615	2283153	0.547	7.340 #
25) Oxychlorane	7.396	7.732	78026	166461	0.154	0.694 #
26) 2,4'-DDE	7.446	7.920	171284	188683	0.882	0.973m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:45
 Operator : MJB
 Sample : A0J0343-04RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:15:56 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...	7.640	7.984	81565	162194	0.159	0.582 #
28)	2,4'-DDD	7.828	8.266	98923	190203	0.481m	1.029m#
29)	2,4'-DDT	0.000	8.497	0	91233	N.D.	0.410m#
30)	cis-Nonac...	8.134	8.544	647179	302159	2.480	0.929 #
31)	Mirex	8.771	9.434	102574	74433	0.357	0.137 #
32)	Chlordane...	7.610	7.984	266350	162194	9.720	4.578 #
33)	Chlordane...	7.701	8.055	212601	426771	7.606	14.787 #
34)	Chlordane...	8.239f	8.730	250391	64724	31.015	4.395 #
35)	Chlordane...	3.921	3.871	354673	1890791	NoCal	NoCal
36)	Toxaphene...	7.701f	8.309	212601	79857	228.624	29.177 #
37)	Toxaphene...	7.973	8.635	167955	87926	77.335	26.650 #
38)	Toxaphene...	8.328f	8.679	50871	81812	11.771	17.154 #
39)	Toxaphene...	8.528	8.730	20275	64724	4.495	8.160 #
40)	Toxaphene...	8.771	8.917	102574	66801	28.861	13.977 #
41)	Toxaphene...	8.826	9.283	95688	185336	23.263	39.458 #
42)	Toxaphene...	3.888	3.905	58455	77587	NoCal	NoCal

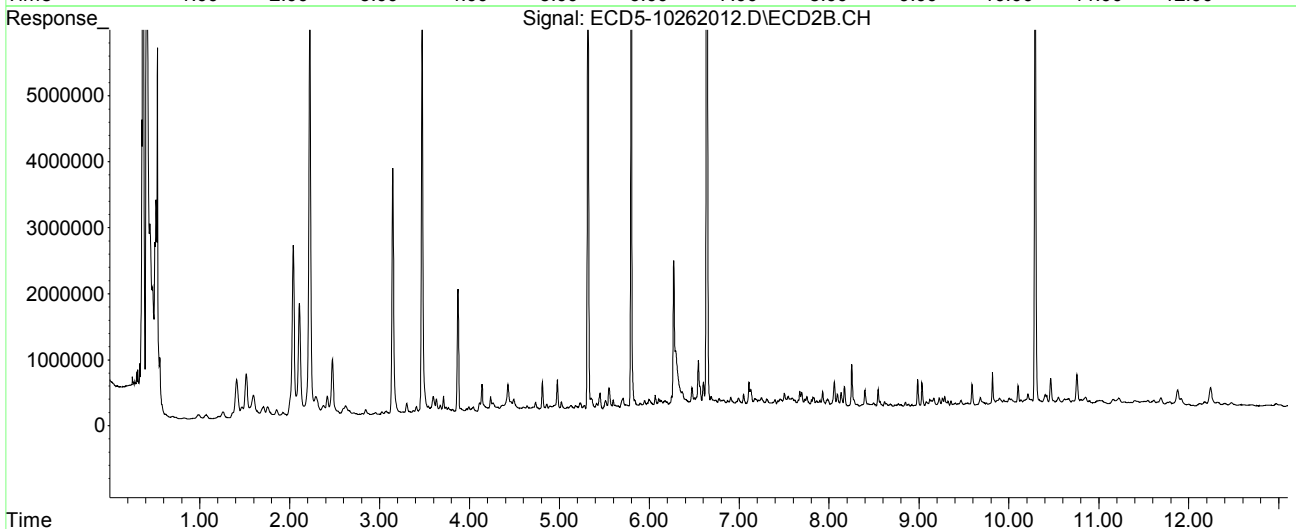
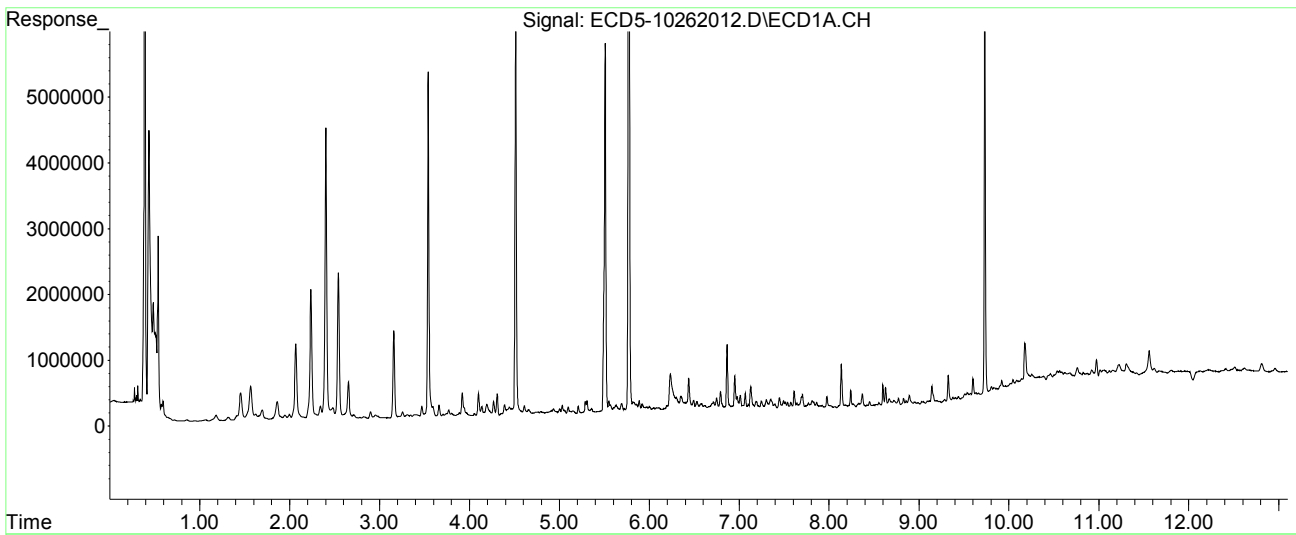
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:45
Operator : MJB
Sample : A0J0343-04RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:15:56 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

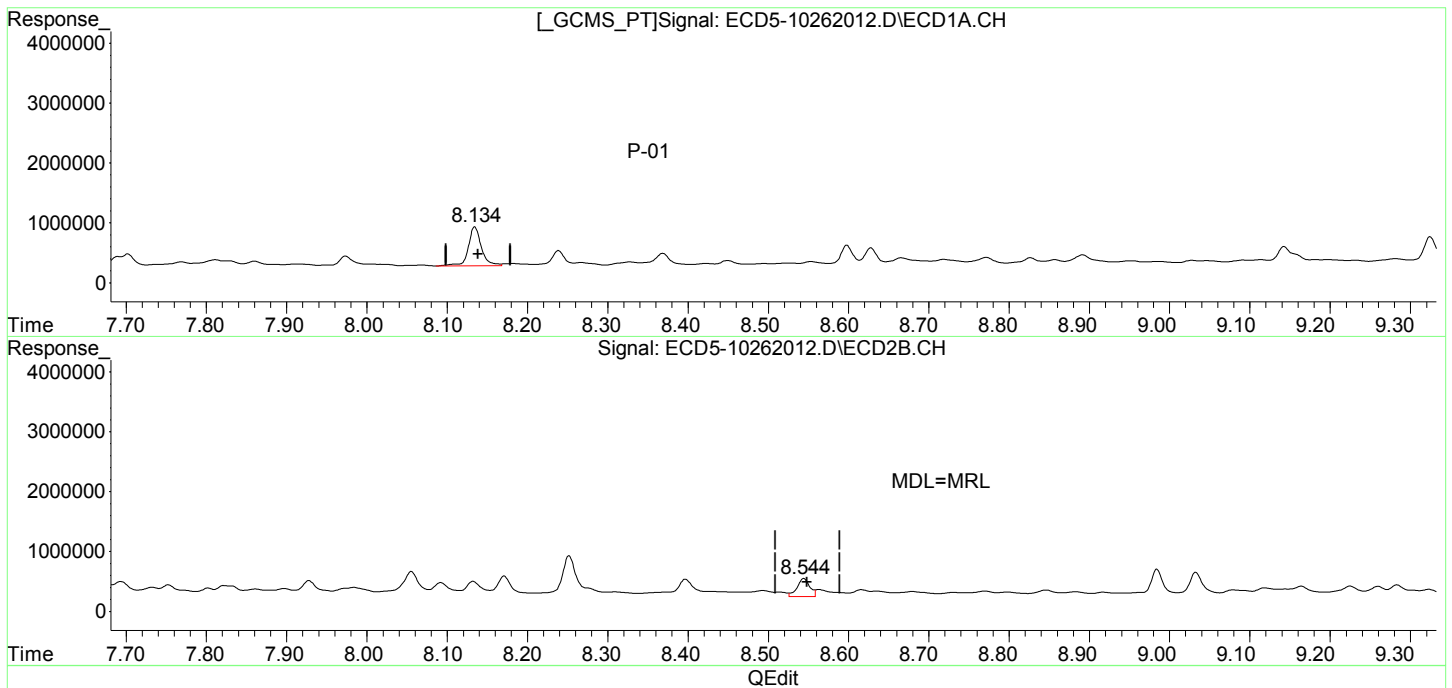


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:45
Operator : MJB
Sample : A0J0343-04RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:14:29 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
8.134min 2.963 ng/mL
response 647179

MJB 10/26/20

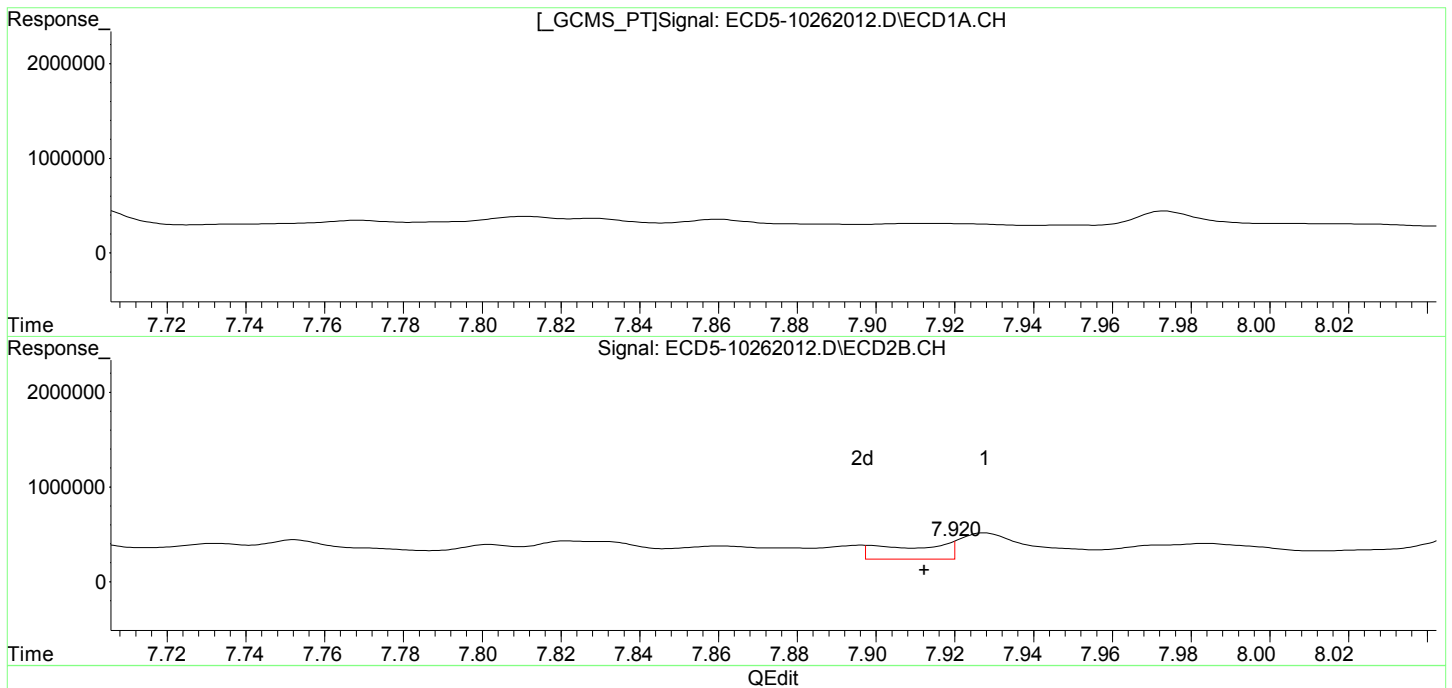
(15) 4,4'-DDD #2
8.544min 1.294 ng/mL
response 302159

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:45
Operator : MJB
Sample : A0J0343-04RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:14:29 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
7.446min 0.882 ng/mL
response 171284

MJB 10/26/20

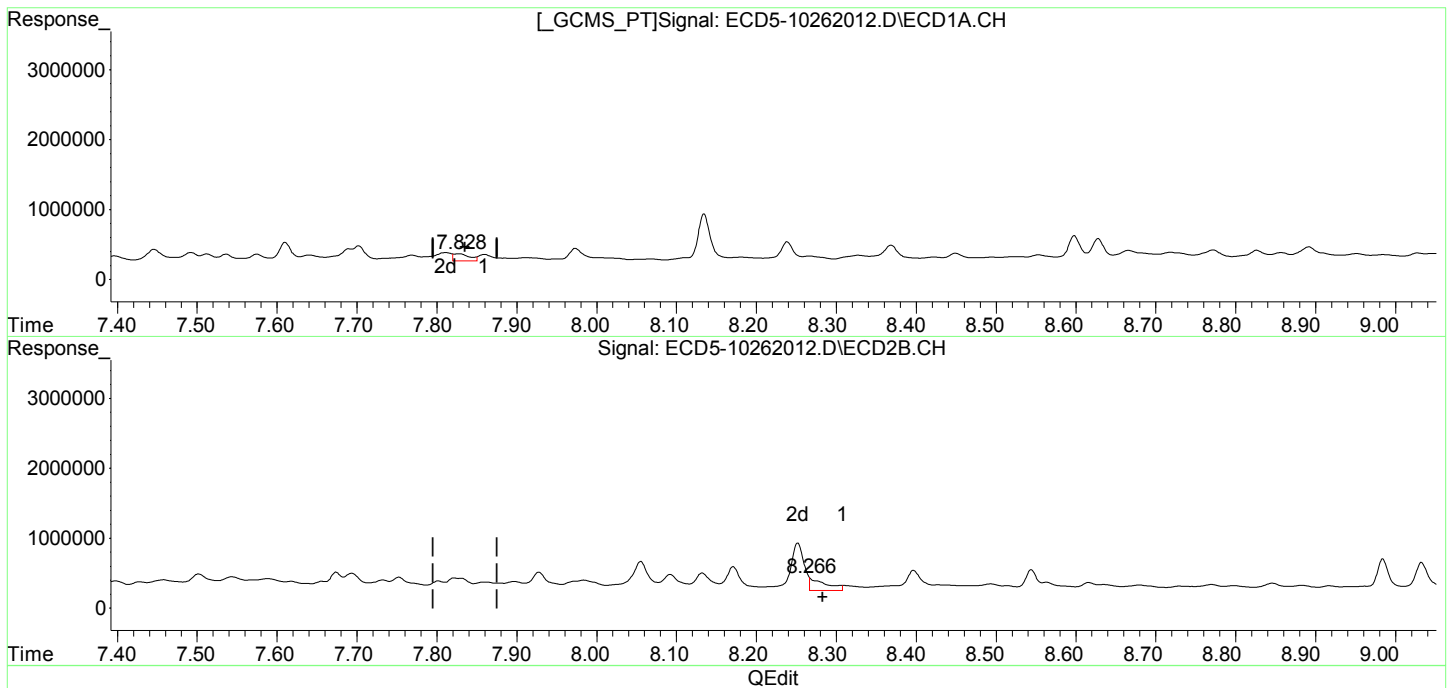
(26) 2,4'-DDE #2
7.920min 0.973 ng/mL m
response 188683

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:45
Operator : MJB
Sample : A0J0343-04RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:14:29 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
7.828min 0.481 ng/mL m
response 98923

MJB 10/26/20

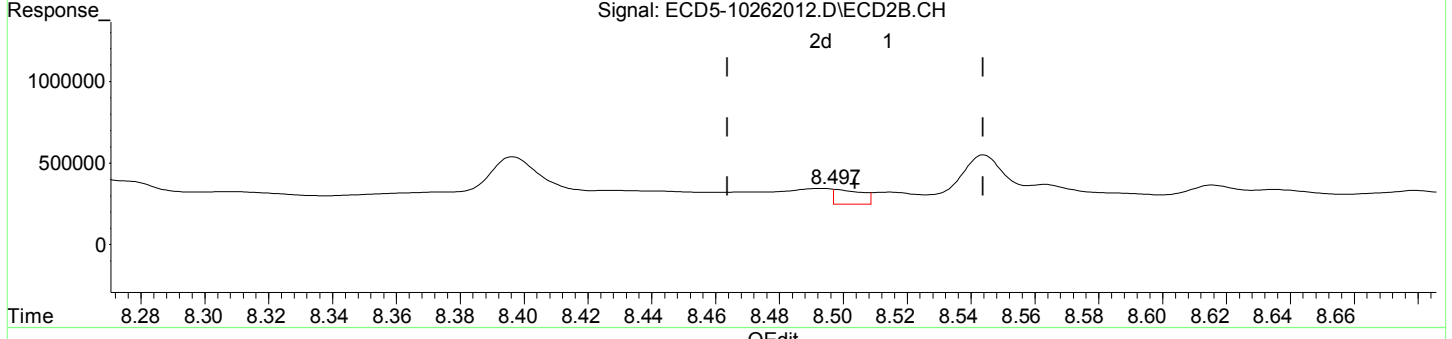
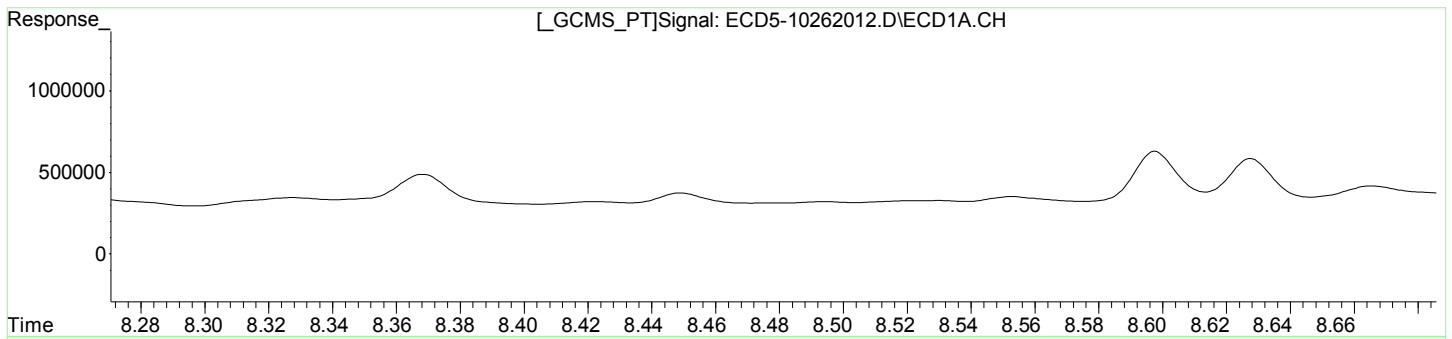
(28) 2,4'-DDD #2
8.266min 1.029 ng/mL m
response 190203

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:45
Operator : MJB
Sample : A0J0343-04RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:14:29 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
0.000min 0.000 ng/mL
response 0

MJB 10/26/20

(29) 2,4'-DDT #2
8.497min 0.410 ng/mL m
response 91233

Quantitation Report (Not Reviewed)

MI

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:45
 Operator : MJB
 Sample : A0J0343-04RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 13 (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 16:14:29 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)	5.509	5.798	5601328	7581567	23.083	24.477
22) S DCBP (S)	9.730	10.291	6964999	7944696	43.003	51.558
Target Compounds						
2) a-BHC	6.080	6.367f	63891	295019	0.205	0.748 #
3) g-BHC	6.352	6.738f	225084	162979	0.853	0.488 #
4) b-BHC	6.439	6.777	501327	191321	4.257	1.261 #
5) Heptachlor	6.747	7.107f	186159	431452	0.735	1.526 #
6) d-BHC	6.575	7.049	108989	246281	0.398	0.605 #
7) Aldrin	7.010	7.309f	224875	168038	0.848	0.551 #
8) Heptachlo...	7.446	7.802	171284	153803	0.701	0.564
9) trans-Chl...	7.575	7.928	95252	276142	0.375	0.976 #
10) cis-Chlor...	7.640	8.055f	81565	426771	0.335	1.591 #
11) Endosulfa...	7.769	8.092	76860	240148	0.336	0.950 #
12) 4,4'-DDE	7.701	8.132	212601	262855	0.818	0.901
13) Dieldrin	7.912f	8.252f	35156	686805	0.139	2.441 #
14) Endrin	8.134f	8.493	647179	98212	3.510	0.503 #
15) 4,4'-DDD	8.134	8.544	647179	302159	2.963	1.294 #
16) Endosulfa...	8.239f	8.635	250391	87926	1.201	0.383 #
17) 4,4'-DDT	8.328	8.770	50871	86480	0.255	0.454 #
18) Endrin Al...	8.553	8.883	43933	74613	6020.999	0.041 #
19) Endosulfa...	8.857	9.079	61823	108276	0.099	0.331 #
20) Methoxychlor	8.666	9.225	102143	167064	0.865	1.728 #
21) Endrin Ke...	9.046	9.465	33065	123628	0.135	0.498 #
23) Hexachlor...	3.311	3.545f	47267	118459	0.029	0.330 #
24) Hexachlor...	5.887	6.272	174615	2283153	0.547	7.340 #
25) Oxychlorane	7.396	7.732	78026	166461	0.154	0.694 #
26) 2,4'-DDE	7.446	7.928	171284	276142	0.882	1.423 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 14:45
 Operator : MJB
 Sample : A0J0343-04RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:14:29 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...	7.640	7.984	81565	162194	0.159	0.582 #
28)	2,4'-DDD	7.860f	8.309f	84029	79857	0.373	0.279 #
29)	2,4'-DDT	0.000	8.514	0	73973	N.D.	0.285 #
30)	cis-Nonac...	8.134	8.544	647179	302159	2.480	0.929 #
31)	Mirex	8.771	9.434	102574	74433	0.357	0.137 #
32)	Chlordane...	7.610	7.984	266350	162194	9.720	4.578 #
33)	Chlordane...	7.701	8.055	212601	426771	7.606	14.787 #
34)	Chlordane...	8.239f	8.730	250391	64724	31.015	4.395 #
35)	Chlordane...	3.921	3.871	354673	1890791	NoCal	NoCal
36)	Toxaphene...	7.701f	8.309	212601	79857	228.624	29.177 #
37)	Toxaphene...	7.973	8.635	167955	87926	77.335	26.650 #
38)	Toxaphene...	8.328f	8.679	50871	81812	11.771	17.154 #
39)	Toxaphene...	8.528	8.730	20275	64724	4.495	8.160 #
40)	Toxaphene...	8.771	8.917	102574	66801	28.861	13.977 #
41)	Toxaphene...	8.826	9.283	95688	185336	23.263	39.458 #
42)	Toxaphene...	3.888	3.905	58455	77587	NoCal	NoCal

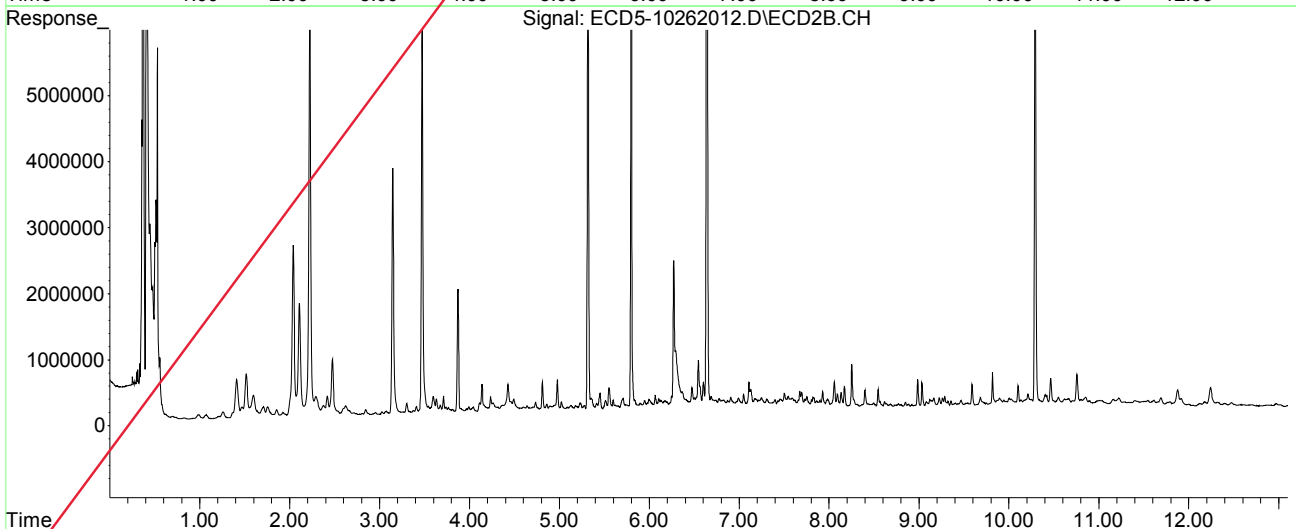
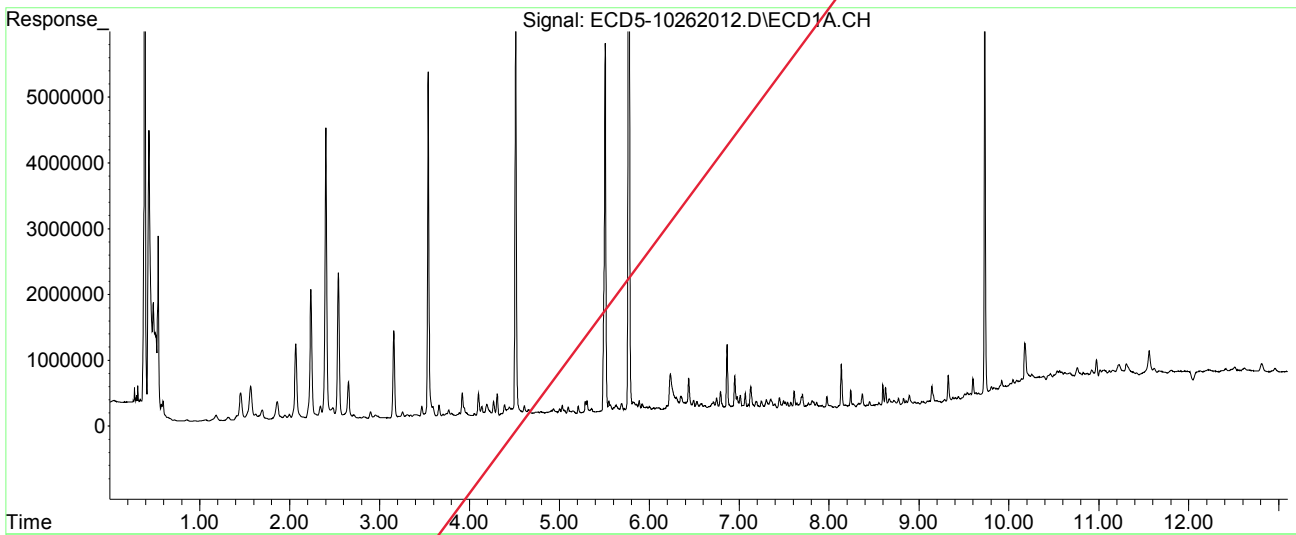
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 14:45
Operator : MJB
Sample : A0J0343-04RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:14:29 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 : ECD5-10262013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:02
 Operator : MJB
 Sample : A0J0343-05RE3 MJB 10/26/20
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:20:23 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)	5.509	5.798	5638108	7676955	23.235	24.785
22) S DCBP (S)	9.731	10.291	6715028	7199707	41.457	46.859
Target Compounds						
2) a-BHC	6.048	0.000	105365	0	0.339	N.D. #
3) g-BHC	6.358	6.735f	177938	148210	0.674	0.443 #
4) b-BHC	6.444	6.778	413080	219090	3.474	1.444 #
5) Heptachlor	6.749	7.110f	134385	294822	0.531	1.042 #
6) d-BHC	6.579	7.050f	90257	148031	0.330	0.287
7) Aldrin	7.010	7.366	237931	116650	0.897	0.383 #
8) Heptachlo...	7.445f	7.752f	228789	200933	0.937	0.737
9) trans-Chl...	7.575	7.927	63213	272512	0.249	0.964 #
10) cis-Chlor...	7.690f	8.054f	245826	205196	1.011	0.765
11) Endosulfa...	7.768	8.091	75863	312080	0.332	1.235 #
12) 4,4'-DDE	7.690	8.132	245826	249668	0.946	0.856
13) Dieldrin	7.922	8.252f	31932	949754	0.127	3.376 #
14) Endrin	8.069f	8.493	13424	97370	0.073	0.498 #
15) 4,4'-DDD	8.135	8.544	875236	347427	4.007	P-01 1.488 # MDL=MRL
16) Endosulfa...	8.267	8.634	67925	98322	0.326	0.428 #
17) 4,4'-DDT	8.326	8.770	59989	89362	0.301	0.469 #
18) Endrin Al...	8.553	8.883	70640	100155	0.004	0.168 #
19) Endosulfa...	8.857	9.078	59220	117851	0.085	0.379 #
20) Methoxychlor	8.665	9.225	51878	142461	0.344	1.473 #
21) Endrin Ke...	9.029f	9.465	48477	117102	0.198	0.471 #
23) Hexachlor...	3.307	3.544f	38535	97836	4769.938	0.273 #
24) Hexachlor...	5.888	6.271	206350	1726164	0.685	5.511 #
25) Oxychlorane	7.398	7.732	88786	162032	0.211	0.675 #
26) 2,4'-DDE	7.445	7.923	228789	249257	1.254	MDL=MRL 1.285m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:02
 Operator : MJB
 Sample : A0J0343-05RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:20:23 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...	7.610f	7.982	209484	148066	0.738	0.531 #
28)	2,4'-DDD	7.813f	8.269	99933	193922	0.488	1.054m#
29)	2,4'-DDT	7.996	8.493	27677	97370	BelowCalm	0.455
30)	cis-Nonac...	8.135	8.544	875236	347427	3.430	1.103 #
31)	Mirex	8.771	9.465	124529	117102	0.509	0.425
32)	Chlordane...	7.610	7.971	209484	153958	7.645	4.345 #
33)	Chlordane...	7.690	8.054	245826	205196	8.795	7.110
34)	Chlordane...	8.267	8.730	67925	68766	8.414	4.904 #
35)	Chlordane...	3.922	3.871	239707	1253780	NoCal	NoCal
36)	Toxaphene...	7.690	8.306	245826	96095	264.126	35.109 #
37)	Toxaphene...	7.975	8.634	94151	98322	43.352	29.801 #
38)	Toxaphene...	8.267f	8.678	67925	96106	15.718	20.151 #
39)	Toxaphene...	8.524	8.730	35431	68766	7.855	8.670
40)	Toxaphene...	8.771	8.917	124529	71095	35.039	14.875 #
41)	Toxaphene...	8.827	9.284	76436	140842	18.583	29.986 #
42)	Toxaphene...	3.889	3.871f	43937	1253780	NoCal	NoCal

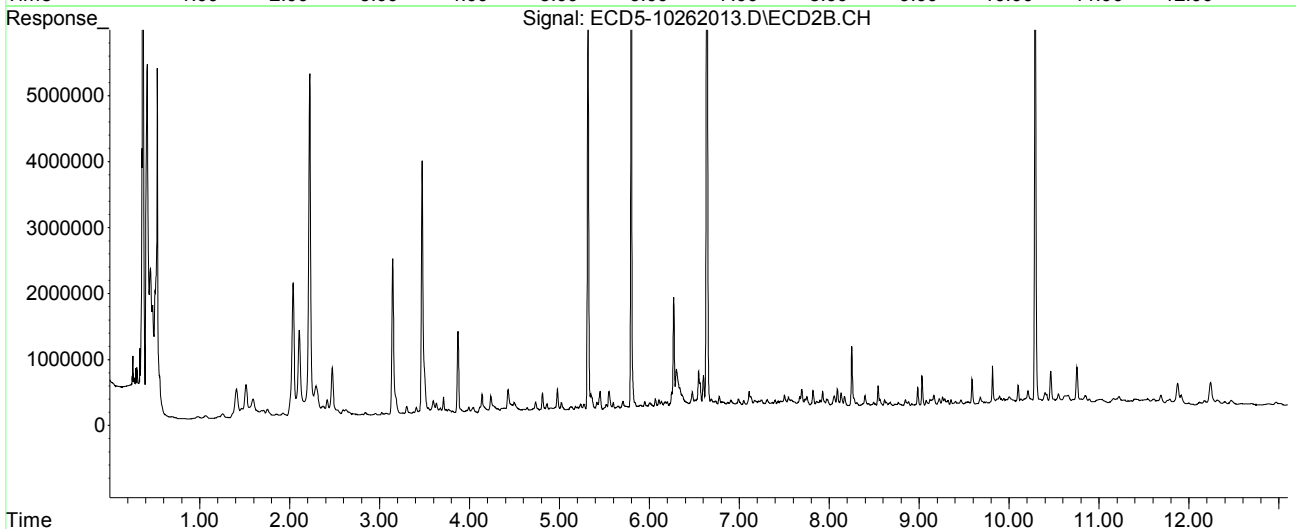
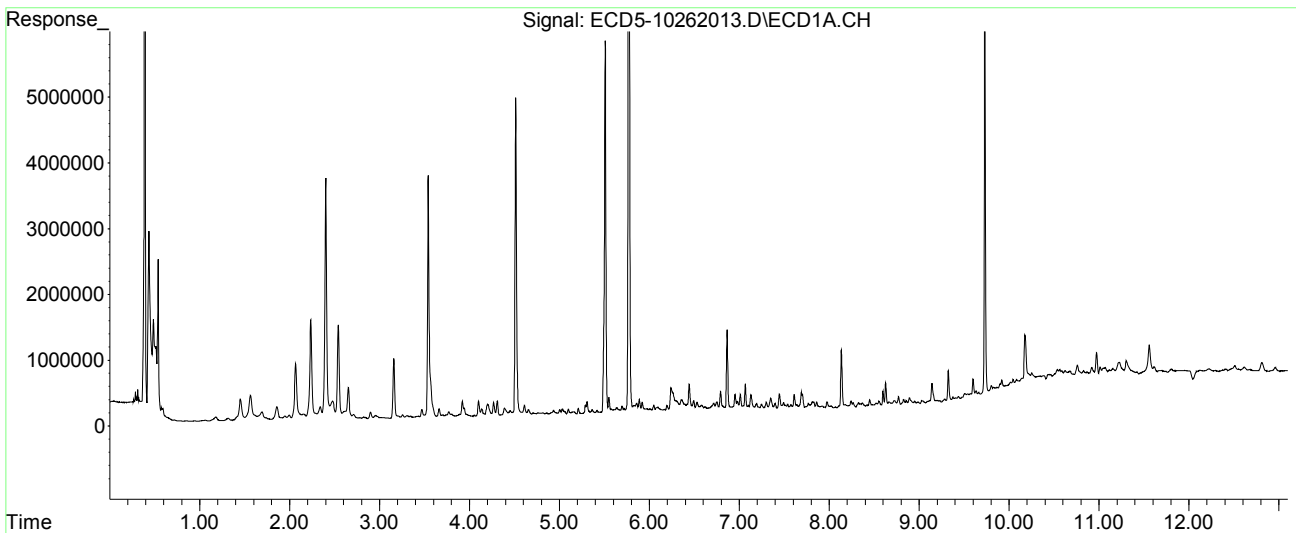
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:02
Operator : MJB
Sample : A0J0343-05RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:20:23 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

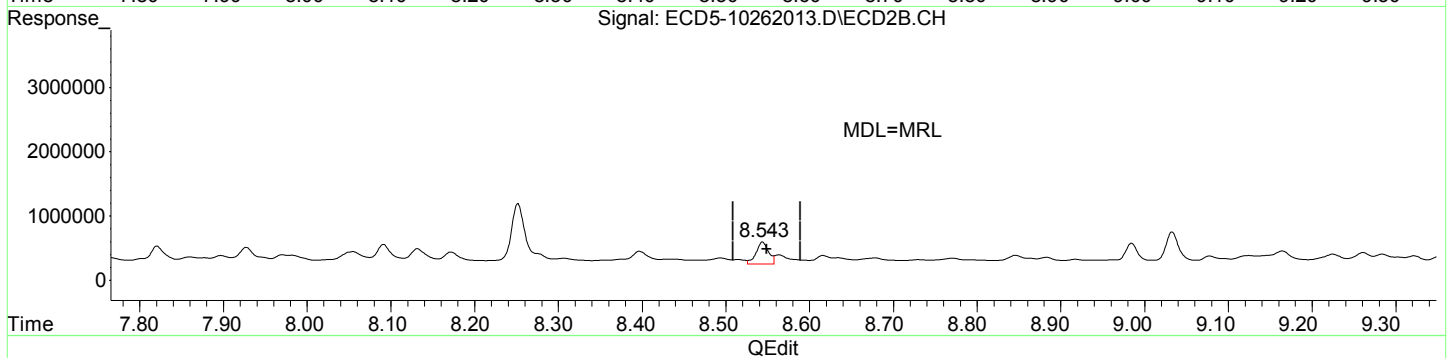
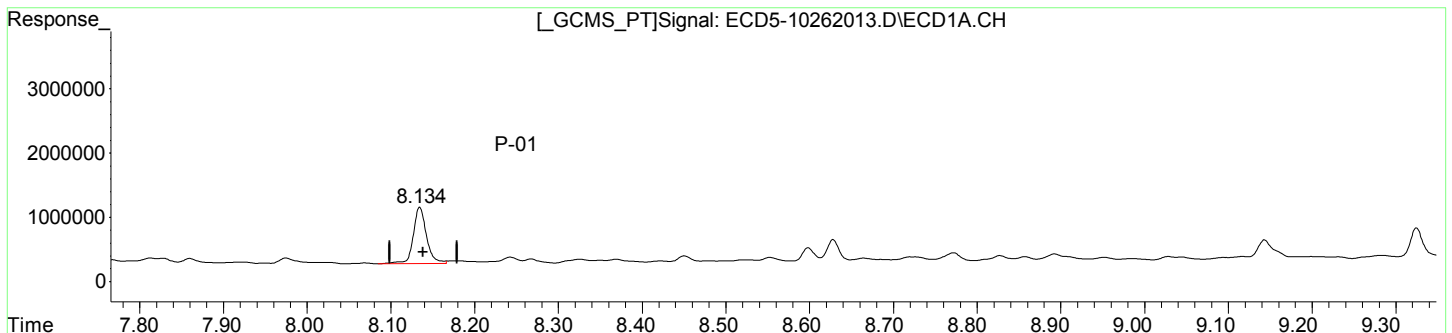


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:02
Operator : MJB
Sample : A0J0343-05RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:18:59 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



(15) 4,4'-DDD
8.135min 4.007 ng/mL
response 875236

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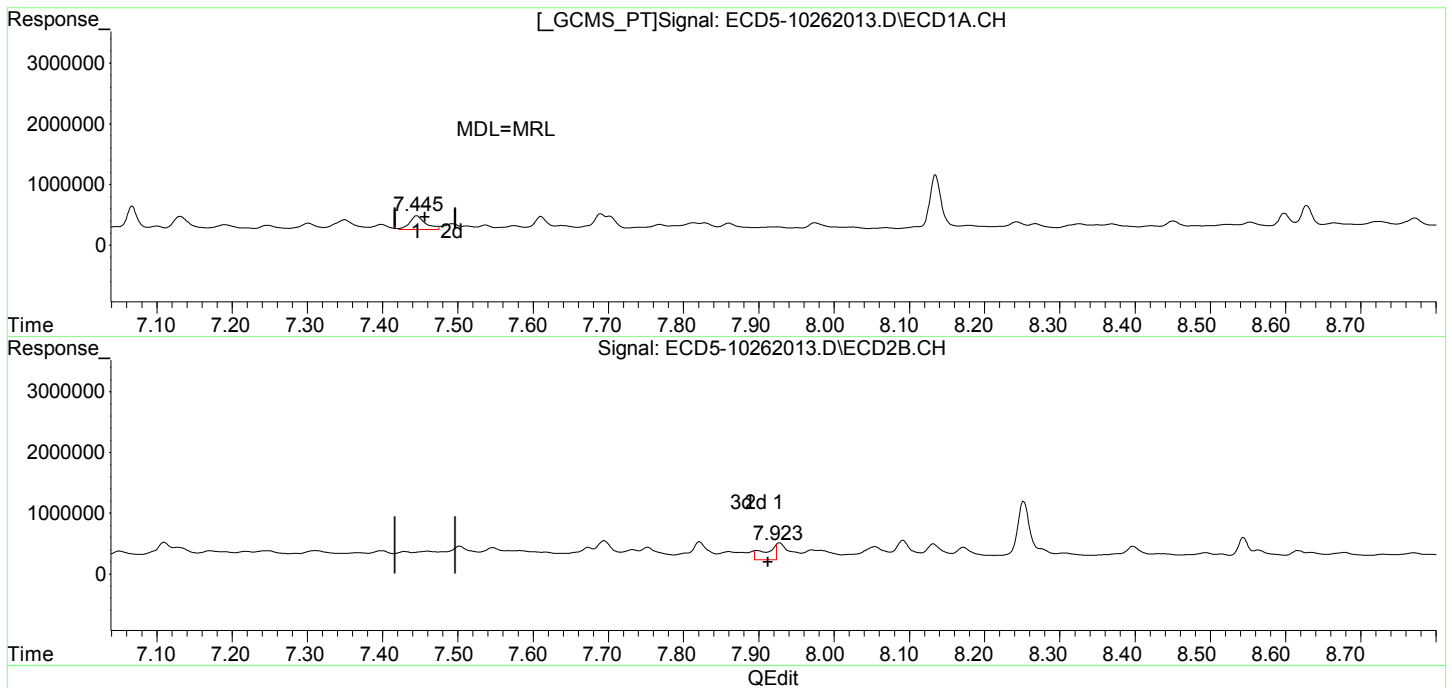
(15) 4,4'-DDD #2
8.544min 1.488 ng/mL
response 347427

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:02
Operator : MJB
Sample : A0J0343-05RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:18:59 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



(26) 2,4'-DDE
7.445min 1.254 ng/mL
response 228789

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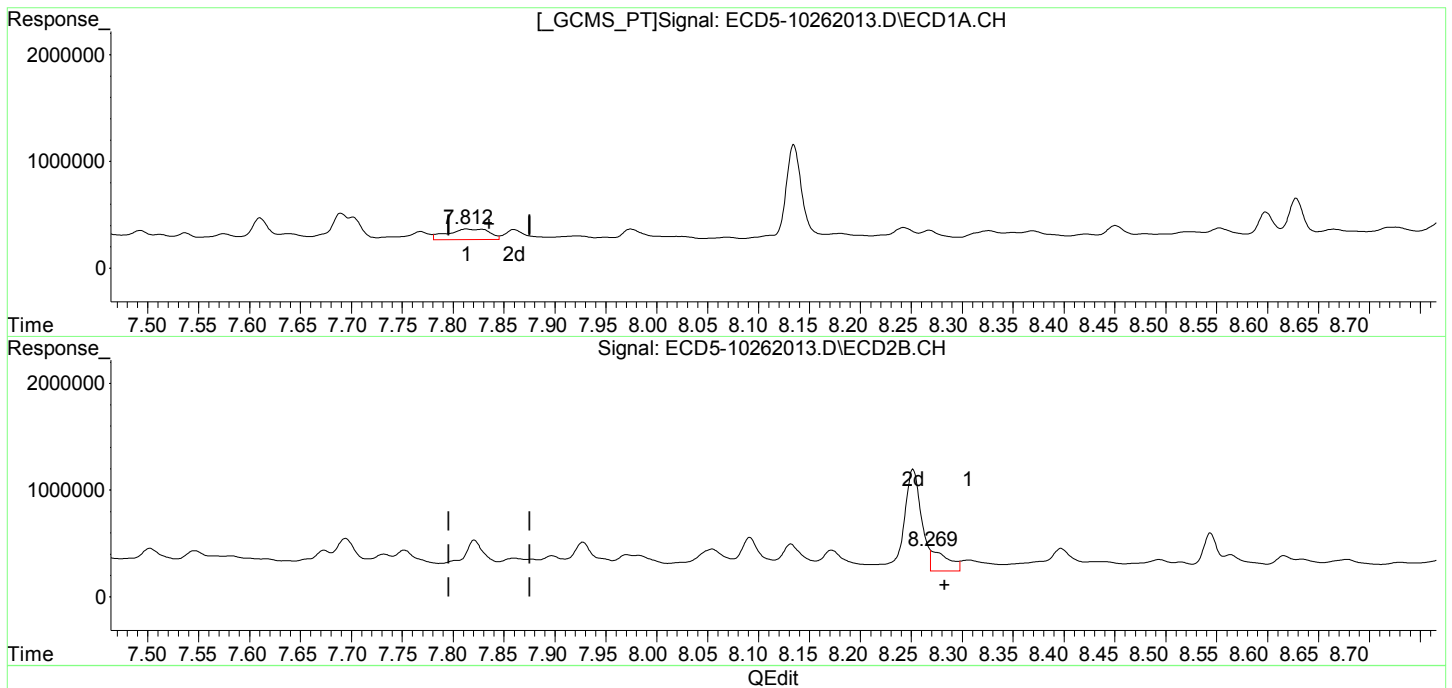
(26) 2,4'-DDE #2
7.923min 1.285 ng/mL m
response 249257

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:02
Operator : MJB
Sample : A0J0343-05RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:18:59 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



(28) 2,4'-DDD
7.813min 0.488 ng/mL
response 99933

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(28) 2,4'-DDD #2
8.269min 1.054 ng/mL m
response 193922

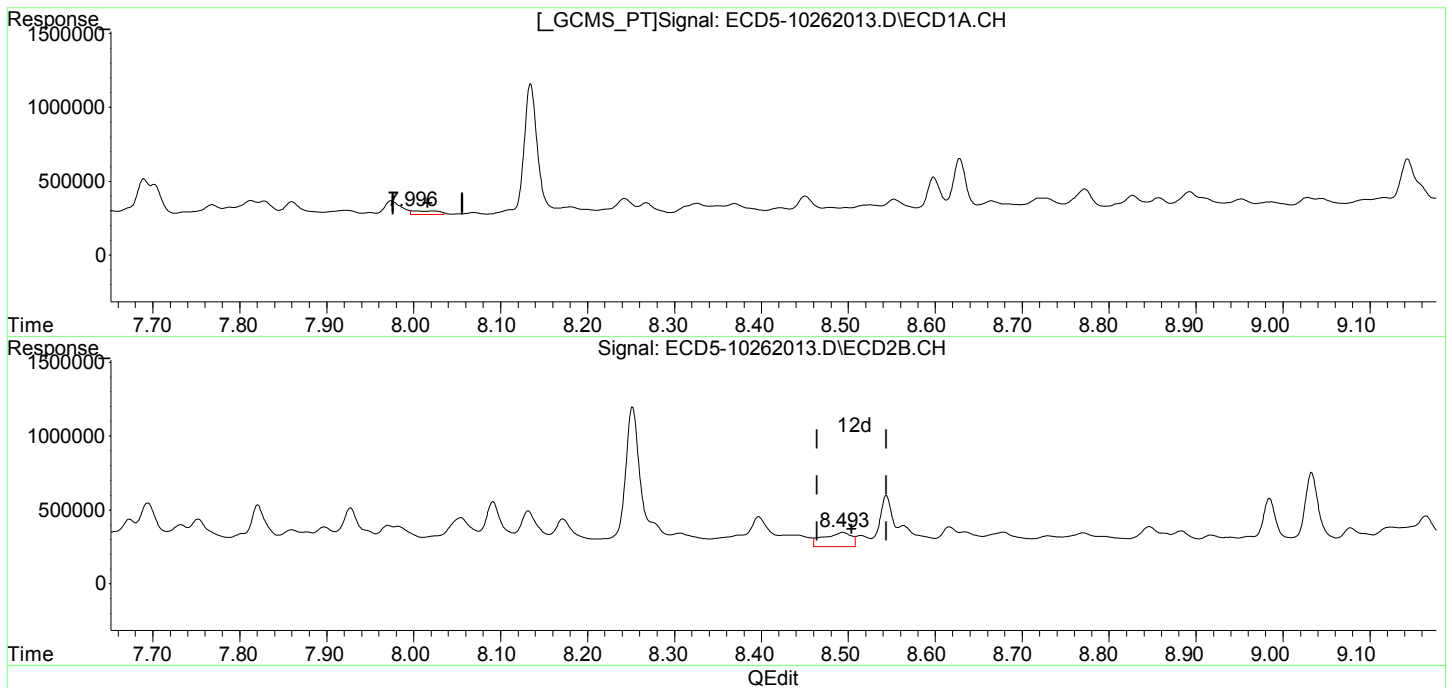
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:02
Operator : MJB
Sample : A0J0343-05RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:18:59 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



(29) 2,4'-DDT
7.996min -0.037 ng/mL m
response 27677

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(29) 2,4'-DDT #2
8.493min 0.455 ng/mL
response 97370

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:02
 Operator : MJB
 Sample : A0J0343-05RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 14 (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 16:18:59 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)	5.509	5.798	5638108	7676955	23.235	24.785
22) S DCBP (S)	9.731	10.291	6715028	7199707	41.457	46.859
Target Compounds						
2) a-BHC	6.048	0.000	105365	0	0.339	N.D. #
3) g-BHC	6.358	6.735f	177938	148210	0.674	0.443 #
4) b-BHC	6.444	6.778	413080	219090	3.474	1.444 #
5) Heptachlor	6.749	7.110f	134385	294822	0.531	1.042 #
6) d-BHC	6.579	7.050f	90257	148031	0.330	0.287
7) Aldrin	7.010	7.366	237931	116650	0.897	0.383 #
8) Heptachlo...	7.445f	7.752f	228789	200933	0.937	0.737
9) trans-Chl...	7.575	7.927	63213	272512	0.249	0.964 #
10) cis-Chlor...	7.690f	8.054f	245826	205196	1.011	0.765
11) Endosulfa...	7.768	8.091	75863	312080	0.332	1.235 #
12) 4,4'-DDE	7.690	8.132	245826	249668	0.946	0.856
13) Dieldrin	7.922	8.252f	31932	949754	0.127	3.376 #
14) Endrin	8.069f	8.493	13424	97370	0.073	0.498 #
15) 4,4'-DDD	8.135	8.544	875236	347427	4.007	1.488 #
16) Endosulfa...	8.267	8.634	67925	98322	0.326	0.428 #
17) 4,4'-DDT	8.326	8.770	59989	89362	0.301	0.469 #
18) Endrin Al...	8.553	8.883	70640	100155	0.004	0.168 #
19) Endosulfa...	8.857	9.078	59220	117851	0.085	0.379 #
20) Methoxychlor	8.665	9.225	51878	142461	0.344	1.473 #
21) Endrin Ke...	9.029f	9.465	48477	117102	0.198	0.471 #
23) Hexachlor...	3.307	3.544f	38535	97836	4769.938	0.273 #
24) Hexachlor...	5.888	6.271	206350	1726164	0.685	5.511 #
25) Oxychlorane	7.398	7.732	88786	162032	0.211	0.675 #
26) 2,4'-DDE	7.445	7.927	228789	272512	1.254	1.405

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:02
 Operator : MJB
 Sample : A0J0343-05RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:18:59 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...	7.610f	7.982	209484	148066	0.738	0.531 #
28)	2,4'-DDD	7.813f	8.306f	99933	96095	0.488	0.389
29)	2,4'-DDT	8.022	8.493	23829	97370	BelowCal	0.455
30)	cis-Nonac...	8.135	8.544	875236	347427	3.430	1.103 #
31)	Mirex	8.771	9.465	124529	117102	0.509	0.425
32)	Chlordane...	7.610	7.971	209484	153958	7.645	4.345 #
33)	Chlordane...	7.690	8.054	245826	205196	8.795	7.110
34)	Chlordane...	8.267	8.730	67925	68766	8.414	4.904 #
35)	Chlordane...	3.922	3.871	239707	1253780	NoCal	NoCal
36)	Toxaphene...	7.690	8.306	245826	96095	264.126	35.109 #
37)	Toxaphene...	7.975	8.634	94151	98322	43.352	29.801 #
38)	Toxaphene...	8.267f	8.678	67925	96106	15.718	20.151 #
39)	Toxaphene...	8.524	8.730	35431	68766	7.855	8.670
40)	Toxaphene...	8.771	8.917	124529	71095	35.039	14.875 #
41)	Toxaphene...	8.827	9.284	76436	140842	18.583	29.986 #
42)	Toxaphene...	3.889	3.871f	43937	1253780	NoCal	NoCal

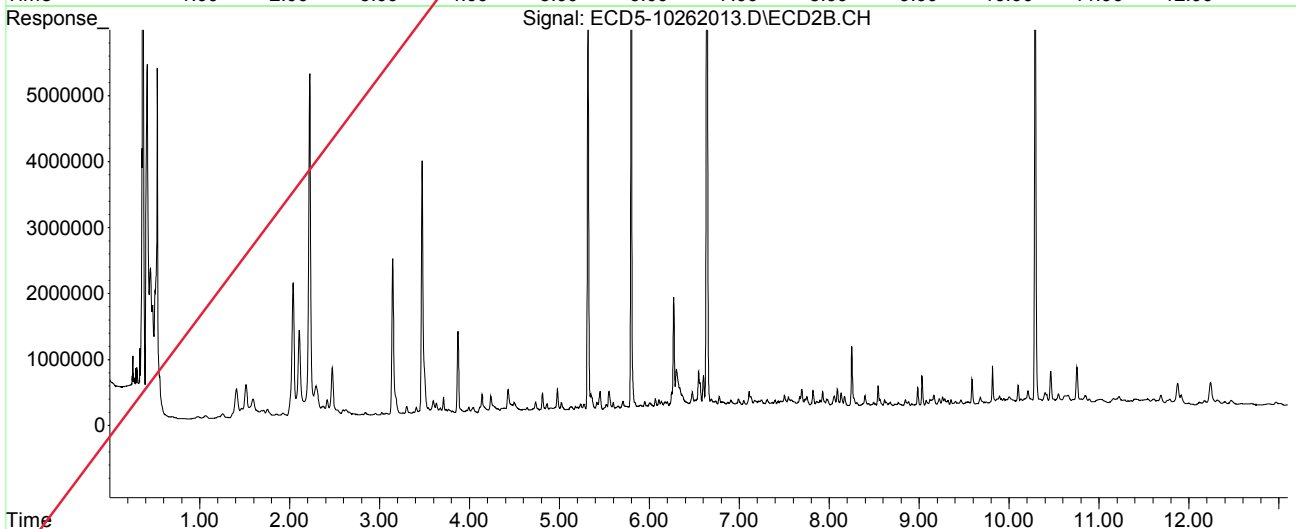
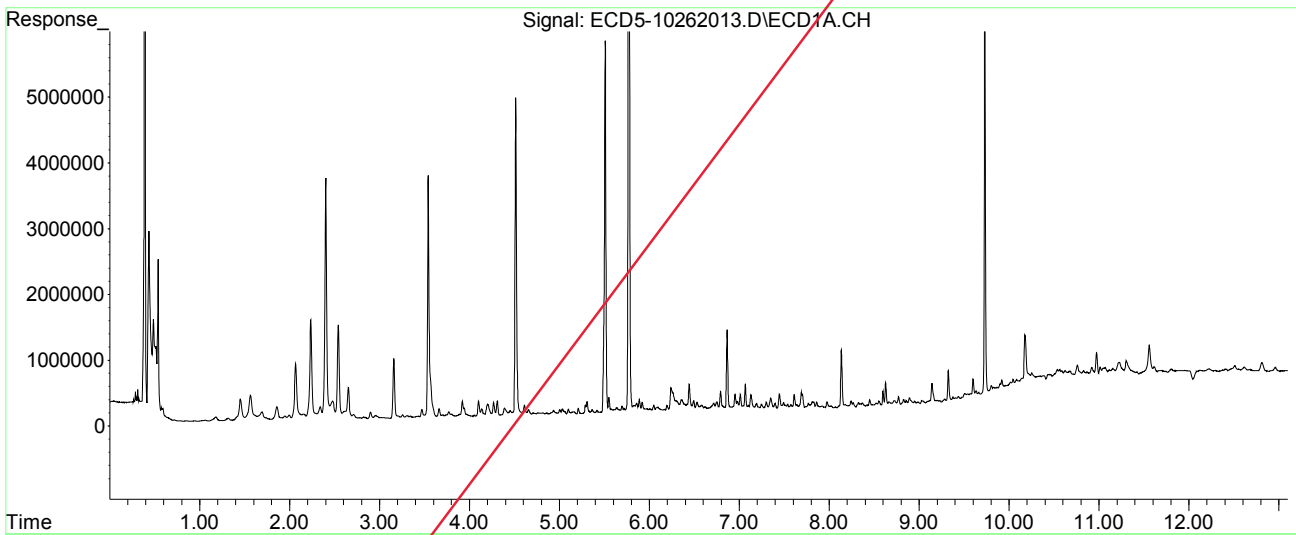
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:02
Operator : MJB
Sample : A0J0343-05RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:18:59 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 (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:19
 Operator : MJB
 Sample : A0J0343-06RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 15 (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 16:24:49 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	5.798	6531192	8961383	26.915	28.932
22) S DCBP (S)	9.730	10.290	7041033	8372893	43.473	54.246
Target Compounds						
2) a-BHC	6.044f	0.000	369812	0	1.189	N.D. #
3) g-BHC	6.345	6.713	344915	584126	1.307	1.748 #
4) b-BHC	6.439	6.777	735747	977410	6.337	6.442
5) Heptachlor	6.751	7.104	442686	783569	1.748	2.771 #
6) d-BHC	6.618f	7.023	249094	504204	0.910	1.441 #
7) Aldrin	7.008	7.365	1347651	574772	5.079	1.885 #
8) Heptachlo...	7.444f	7.800	1214659	467693	4.974	1.715 #
9) trans-Chl...	7.576	7.924	210513	879182	0.828	3.109 #
10) cis-Chlor...	0.000	8.019	0	420869	N.D.	1.569 #
11) Endosulfa...	7.766	8.091	256949	1721405	1.124	6.812 #
12) 4,4'-DDE	7.702	8.132	449757	743009	1.731	MDL=MRL 2.547 #
13) Dieldrin	7.924	8.303f	146701	459636	0.581	1.634 #
14) Endrin	8.133f	8.494	2703016	481700	14.658	2.466 #
15) 4,4'-DDD	8.133	8.543	2703016	1065034	12.374	P-01 4.560 # R-02
16) Endosulfa...	8.266	8.615f	244972	594762	1.175	2.590 #
17) 4,4'-DDT	8.329	8.767	134413	395547	0.674	Q-31 2.077 # R-02
18) Endrin Al...	8.552	8.881	288704	472935	1.141	2.012 #
19) Endosulfa...	8.856	9.077	208778	516301	0.894	2.384 #
20) Methoxychlor	8.663	9.223	169050	385198	1.558	3.984 #
21) Endrin Ke...	9.028f	9.460	126540	377157	0.517	1.518 #
23) Hexachlor...	3.308	3.543f	48930	123184	0.037	0.343 #
24) Hexachlor...	5.887	6.272	937718	4815579	3.862	15.606 #
25) Oxychlorane	7.397	7.729	380335	842809	1.753	3.511 #
26) 2,4'-DDE	7.444	7.918	1214659	747317	7.631	P-01 3.852m# R-02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:19
 Operator : MJB
 Sample : A0J0343-06RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:24:49 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...	7.611f	7.969f	413688	663990	1.660	2.382 #
28)	2,4'-DDD	7.829	8.266	233518	712821	1.457	MDL=MRL 4.568m#
29)	2,4'-DDT	8.007	8.494	123429	481700	0.661	3.240 #
30)	cis-Nonac...	8.133	8.543	2703016	1065034	11.037	3.852 #
31)	Mirex	8.769f	9.460	325329	377157	1.890	2.177
32)	Chlordane...	7.611	7.969	413688	663990	15.097	18.740
33)	Chlordane...	7.702	8.091	449757	1721405	16.091	59.645 #
34)	Chlordane...	8.266	8.733	244972	351080	30.344	40.324 #
35)	Chlordane...	3.921	3.902	544501	141100	NoCal	NoCal
36)	Toxaphene...	7.702f	8.303	449757	459636	477.437	167.934 #
37)	Toxaphene...	7.972	8.615f	194828	594762	89.708	180.269 #
38)	Toxaphene...	8.266f	8.678	244972	407550	56.686	85.455 #
39)	Toxaphene...	8.515	8.733	179633	351080	39.823	44.264
40)	Toxaphene...	8.769	8.915	325329	366145	91.539	76.608
41)	Toxaphene...	8.827	9.284	176837	461937	42.992	98.347 #
42)	Toxaphene...	3.921	3.902	544501	141100	NoCal	NoCal

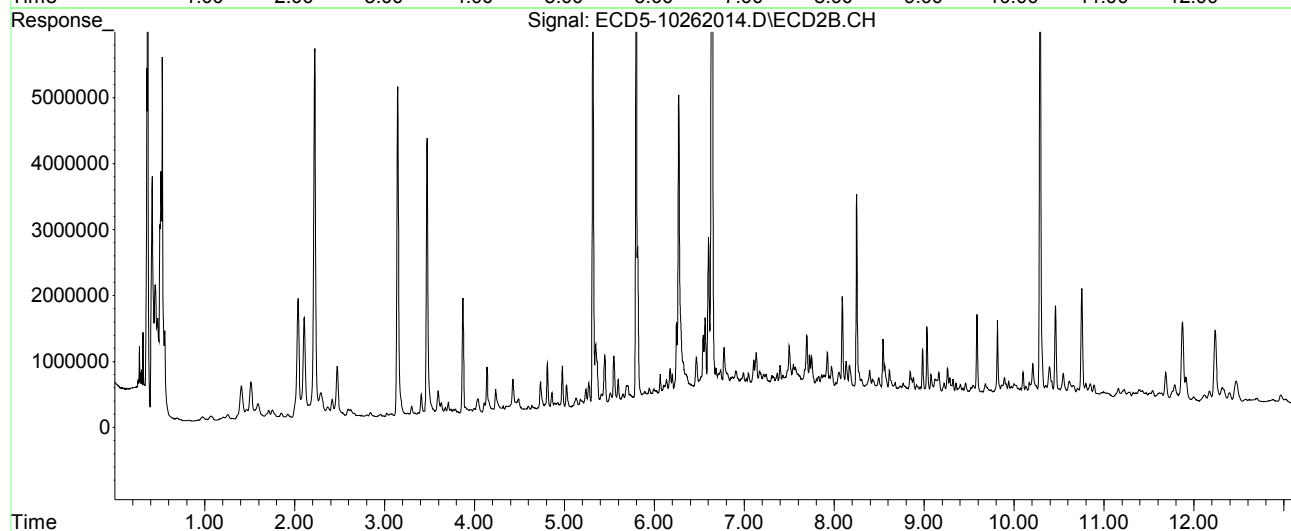
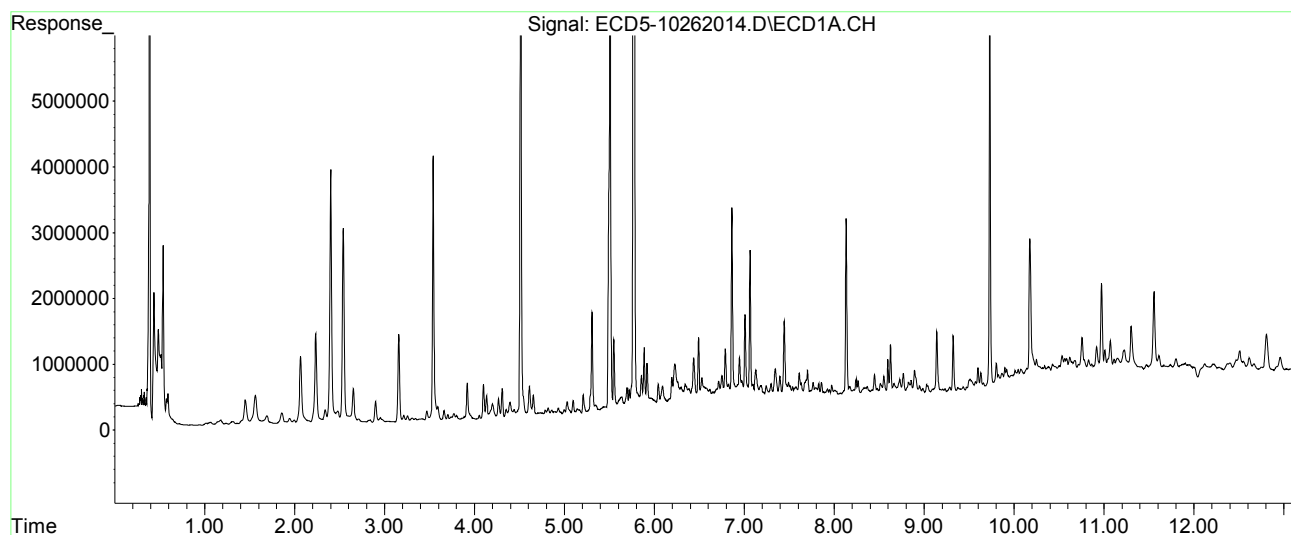
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:19
Operator : MJB
Sample : A0J0343-06RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:24:49 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

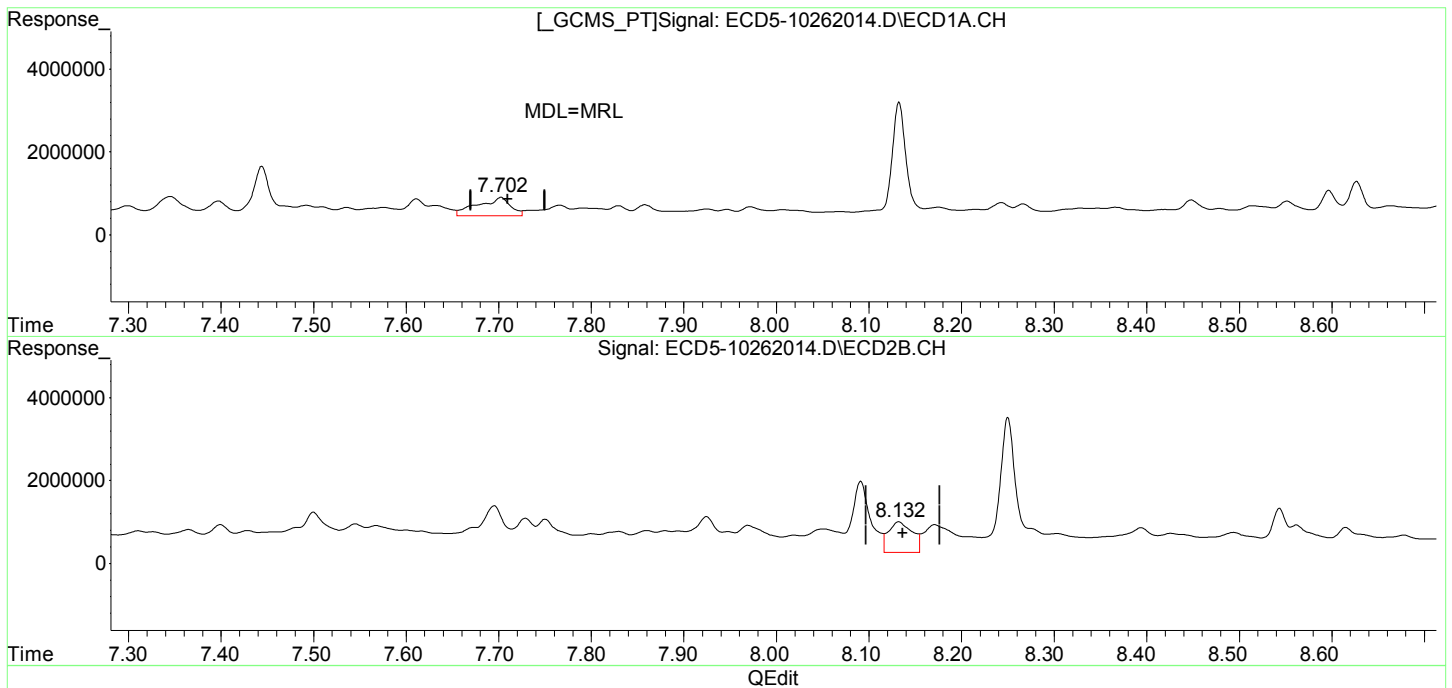


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:19
Operator : MJB
Sample : A0J0343-06RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:23:16 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
7.702min 1.731 ng/mL
response 449757

MJB 10/26/20

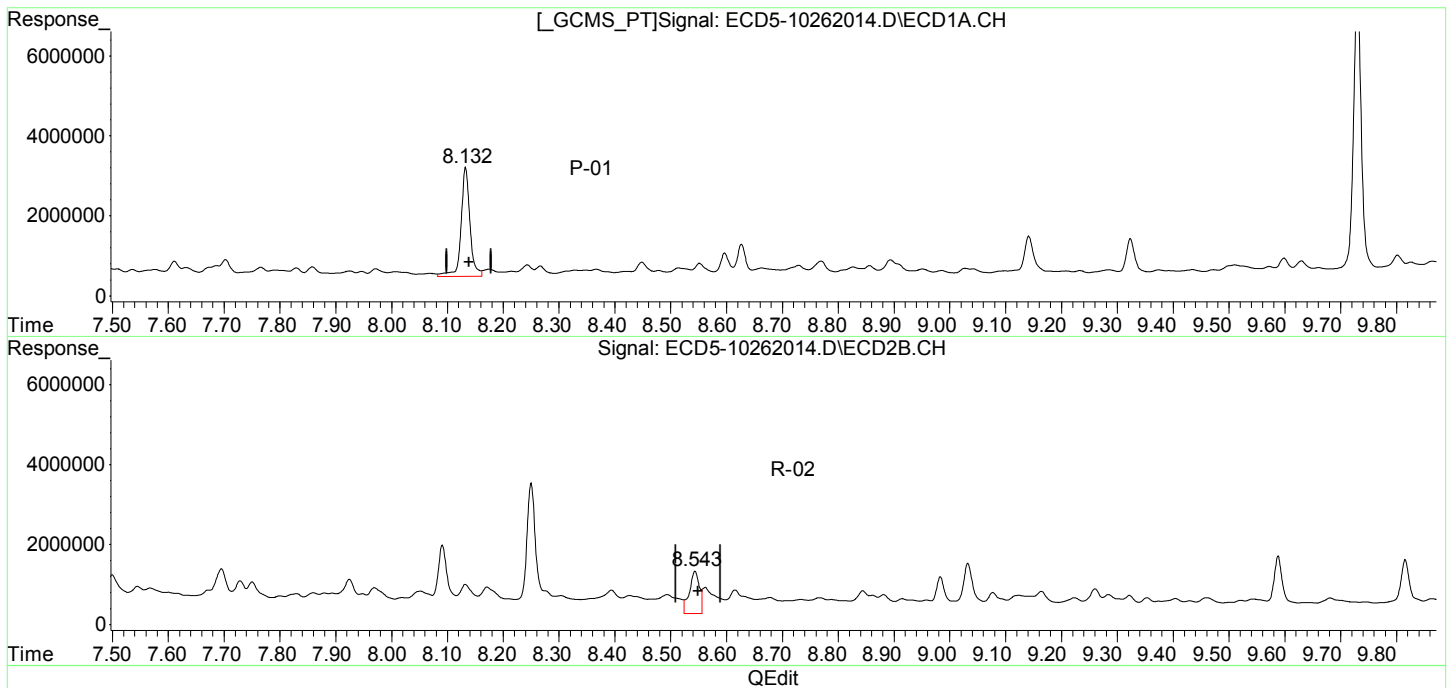
(12) 4,4'-DDE #2
8.132min 2.547 ng/mL
response 743009

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:19
Operator : MJB
Sample : A0J0343-06RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:23:16 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
8.133min 12.374 ng/mL
response 2703016

MJB 10/26/20

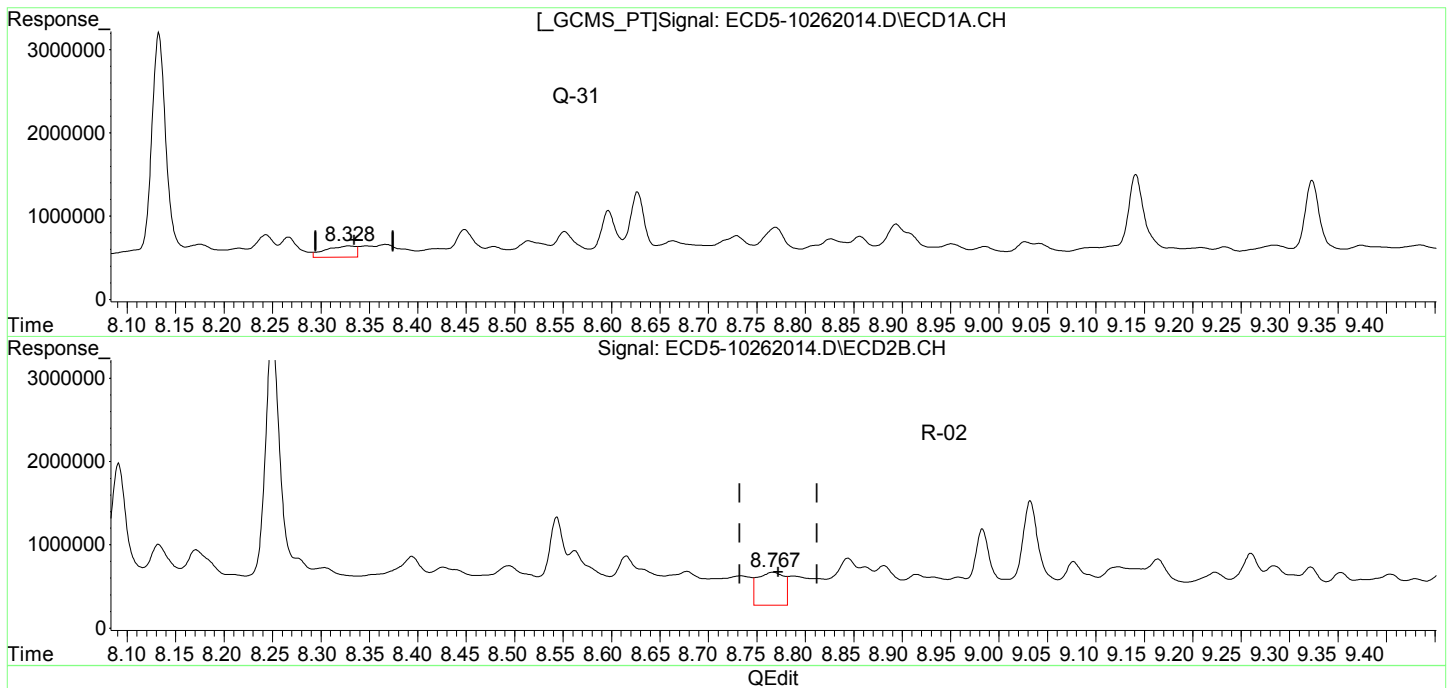
(15) 4,4'-DDD #2
8.543min 4.560 ng/mL
response 1065034

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:19
Operator : MJB
Sample : A0J0343-06RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:23:16 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
8.329min 0.674 ng/mL
response 134413

MJB 10/26/20

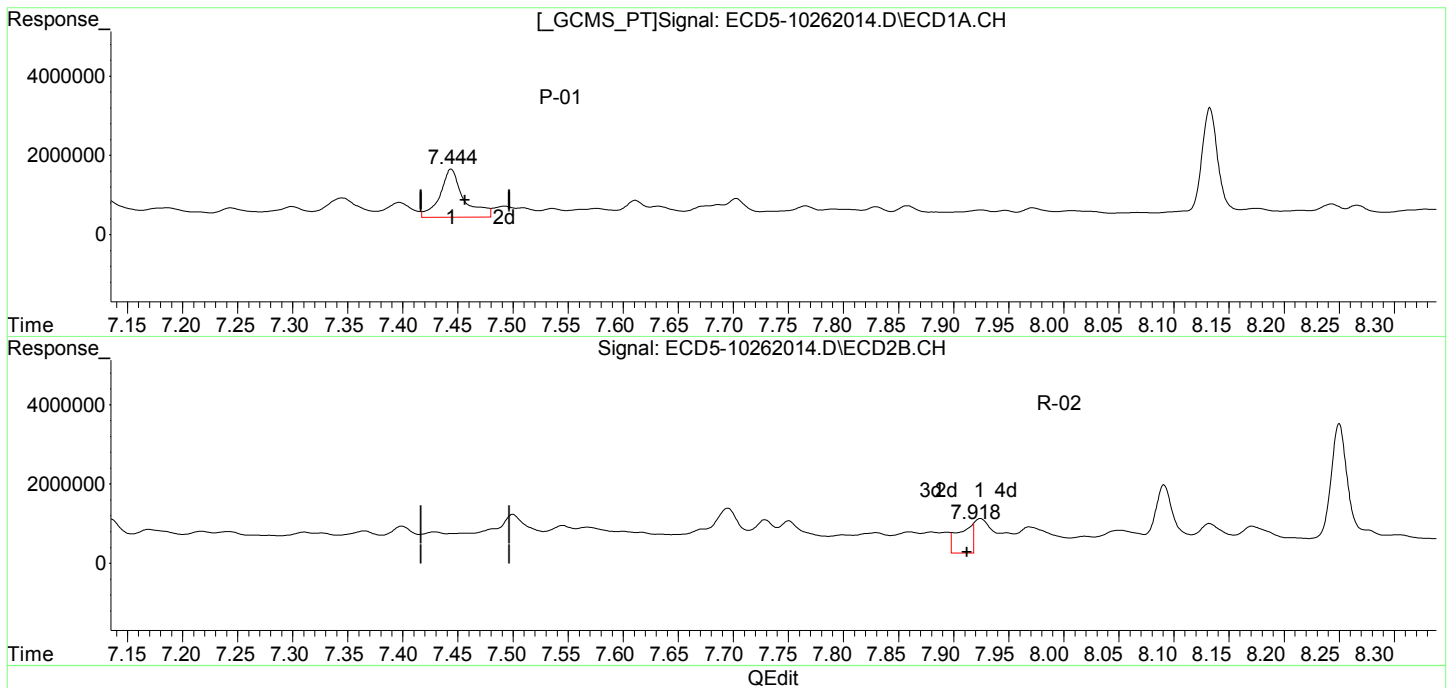
(17) 4,4'-DDT #2
8.767min 2.077 ng/mL
response 395547

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:19
Operator : MJB
Sample : A0J0343-06RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:23:16 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
7.444min 7.631 ng/mL
response 1214659

MJB 10/26/20

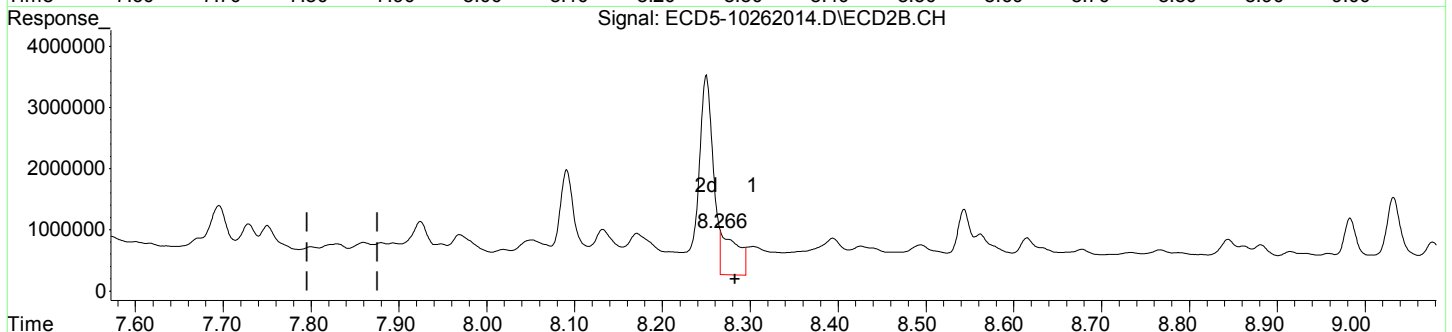
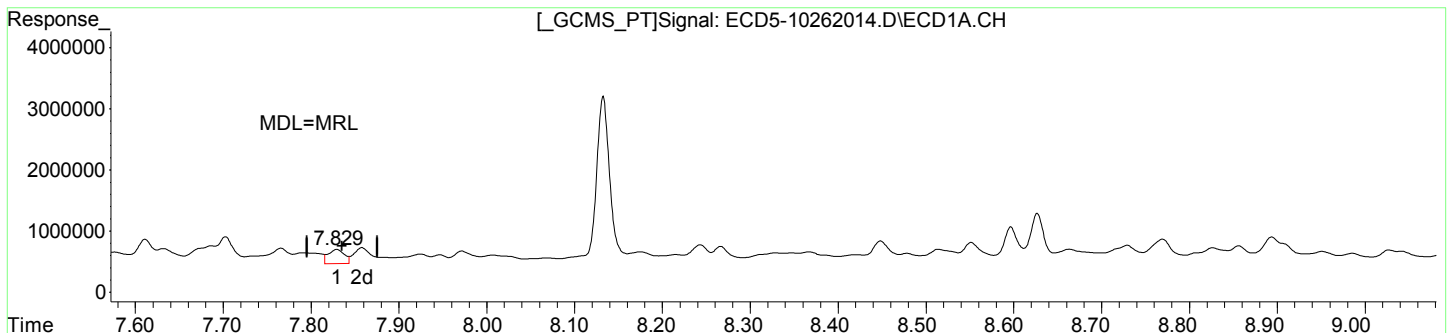
(26) 2,4'-DDE #2
7.918min 3.852 ng/mL m
response 747317

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:19
Operator : MJB
Sample : A0J0343-06RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:23:16 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
7.829min 1.457 ng/mL
response 233518

MJB 10/26/20

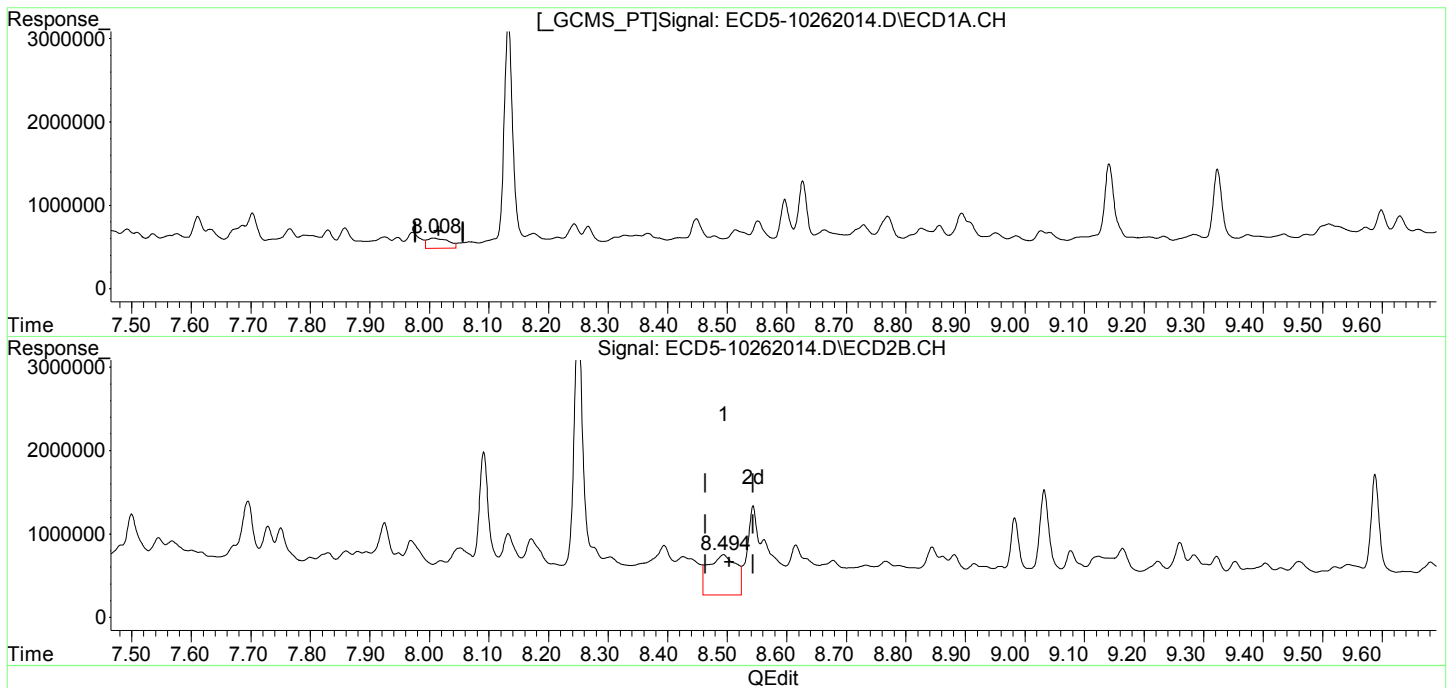
(28) 2,4'-DDD #2
8.266min 4.568 ng/mL m
response 712821

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:19
Operator : MJB
Sample : A0J0343-06RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:23:16 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
8.007min 0.661 ng/mL
response 123429

MJB 10/26/20

(29) 2,4'-DDT #2
8.494min 3.240 ng/mL
response 481700

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:19
 Operator : MJB
 Sample : A0J0343-06RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 15 (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 16:23:16 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	5.798	6531192	8961383	26.915	28.932
22) S DCBP (S)	9.730	10.290	7041033	8372893	43.473	54.246
Target Compounds						
2) a-BHC	6.044f	0.000	369812	0	1.189	N.D. #
3) g-BHC	6.345	6.713	344915	584126	1.307	1.748 #
4) b-BHC	6.439	6.777	735747	977410	6.337	6.442
5) Heptachlor	6.751	7.104	442686	783569	1.748	2.771 #
6) d-BHC	6.618f	7.023	249094	504204	0.910	1.441 #
7) Aldrin	7.008	7.365	1347651	574772	5.079	1.885 #
8) Heptachlo...	7.444f	7.800	1214659	467693	4.974	1.715 #
9) trans-Chl...	7.576	7.924	210513	879182	0.828	3.109 #
10) cis-Chlor...	0.000	8.019	0	420869	N.D.	1.569 #
11) Endosulfa...	7.766	8.091	256949	1721405	1.124	6.812 #
12) 4,4'-DDE	7.702	8.132	449757	743009	1.731	2.547 #
13) Dieldrin	7.924	8.303f	146701	459636	0.581	1.634 #
14) Endrin	8.133f	8.494	2703016	481700	14.658	2.466 #
15) 4,4'-DDD	8.133	8.543	2703016	1065034	12.374	4.560 #
16) Endosulfa...	8.266	8.615f	244972	594762	1.175	2.590 #
17) 4,4'-DDT	8.329	8.767	134413	395547	0.674	2.077 #
18) Endrin Al...	8.552	8.881	288704	472935	1.141	2.012 #
19) Endosulfa...	8.856	9.077	208778	516301	0.894	2.384 #
20) Methoxychlor	8.663	9.223	169050	385198	1.558	3.984 #
21) Endrin Ke...	9.028f	9.460	126540	377157	0.517	1.518 #
23) Hexachlor...	3.308	3.543f	48930	123184	0.037	0.343 #
24) Hexachlor...	5.887	6.272	937718	4815579	3.862	15.606 #
25) Oxychlorane	7.397	7.729	380335	842809	1.753	3.511 #
26) 2,4'-DDE	7.444	7.924	1214659	879182	7.631	4.532 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 15:19
 Operator : MJB
 Sample : A0J0343-06RE3
 Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 16:23:16 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...	7.611f	7.969f	413688	663990	1.660	2.382 #
28)	2,4'-DDD	7.829	8.303f	233518	459636	1.457	2.856 #
29)	2,4'-DDT	8.007	8.494	123429	481700	0.661	3.240 #
30)	cis-Nonac...	8.133	8.543	2703016	1065034	11.037	3.852 #
31)	Mirex	8.769f	9.460	325329	377157	1.890	2.177
32)	Chlordane...	7.611	7.969	413688	663990	15.097	18.740
33)	Chlordane...	7.702	8.091	449757	1721405	16.091	59.645 #
34)	Chlordane...	8.266	8.733	244972	351080	30.344	40.324 #
35)	Chlordane...	3.921	3.902	544501	141100	NoCal	NoCal
36)	Toxaphene...	7.702f	8.303	449757	459636	477.437	167.934 #
37)	Toxaphene...	7.972	8.615f	194828	594762	89.708	180.269 #
38)	Toxaphene...	8.266f	8.678	244972	407550	56.686	85.455 #
39)	Toxaphene...	8.515	8.733	179633	351080	39.823	44.264
40)	Toxaphene...	8.769	8.915	325329	366145	91.539	76.608
41)	Toxaphene...	8.827	9.284	176837	461937	42.992	98.347 #
42)	Toxaphene...	3.921	3.902	544501	141100	NoCal	NoCal

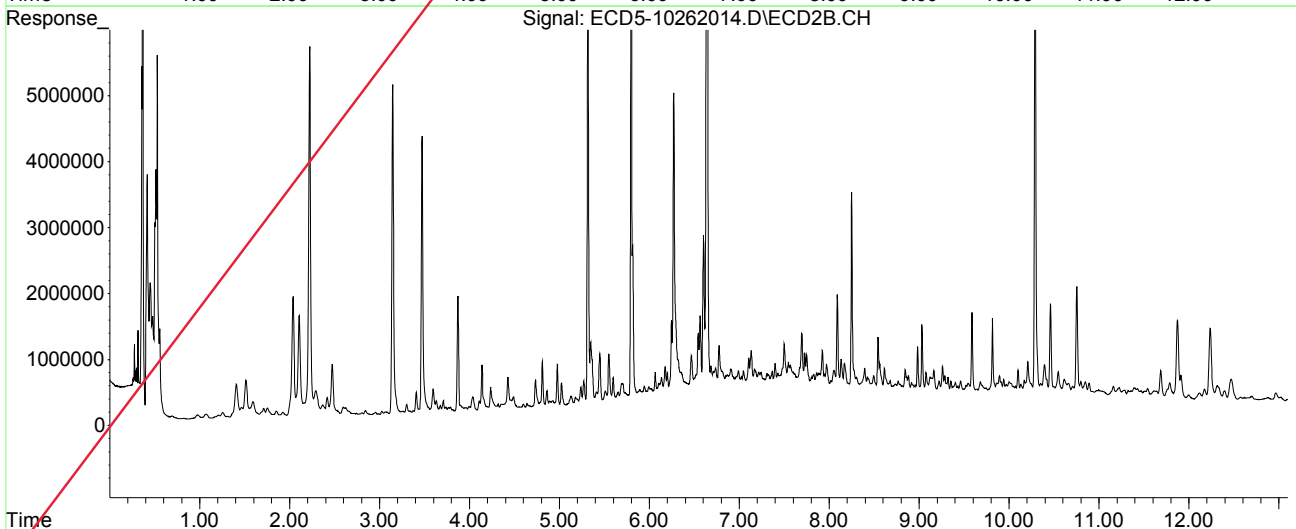
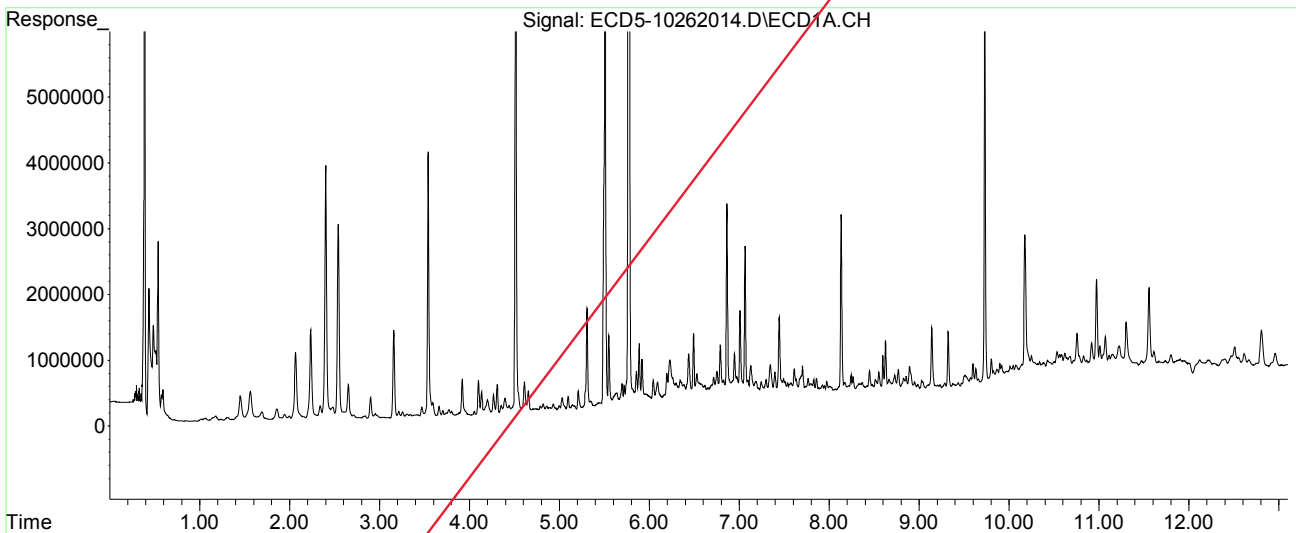
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 15:19
Operator : MJB
Sample : A0J0343-06RE3
Misc : 1x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 16:23:16 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

MJB 10/26/20

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.

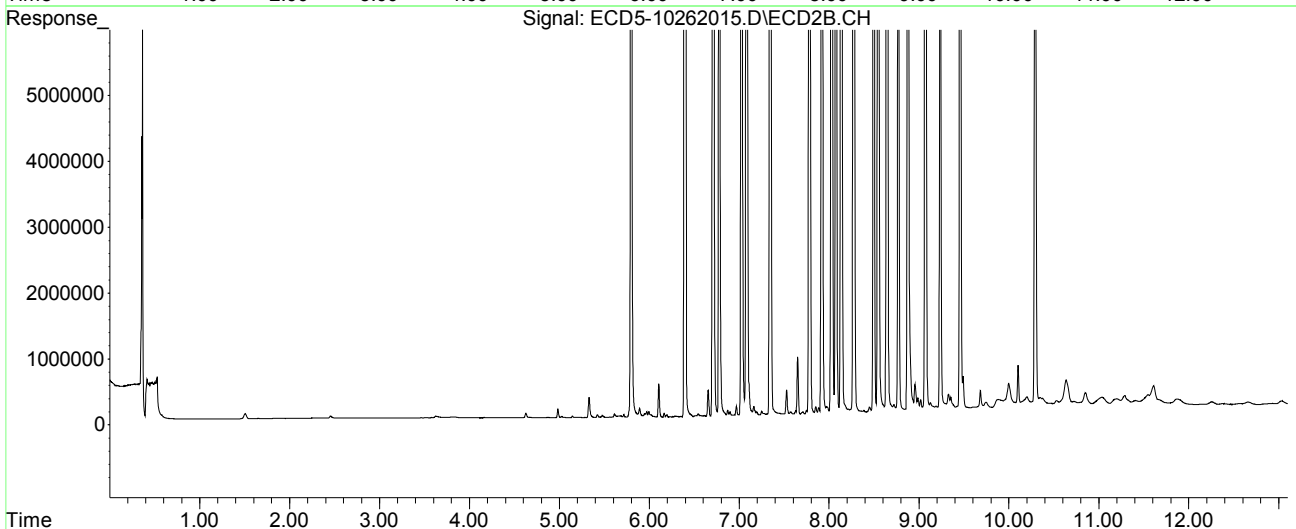
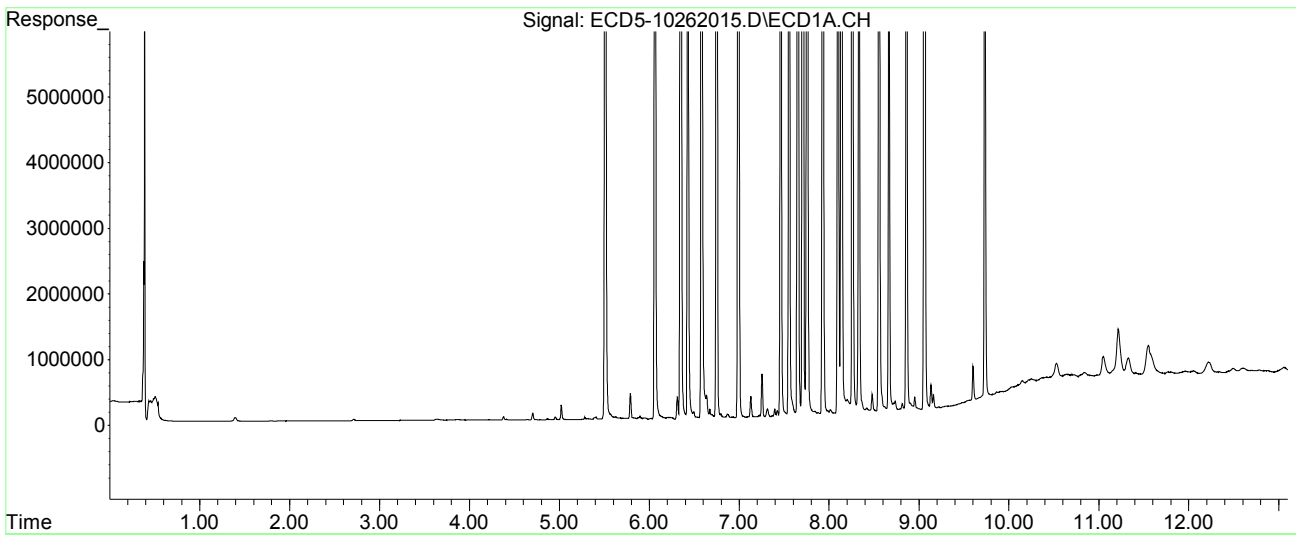
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

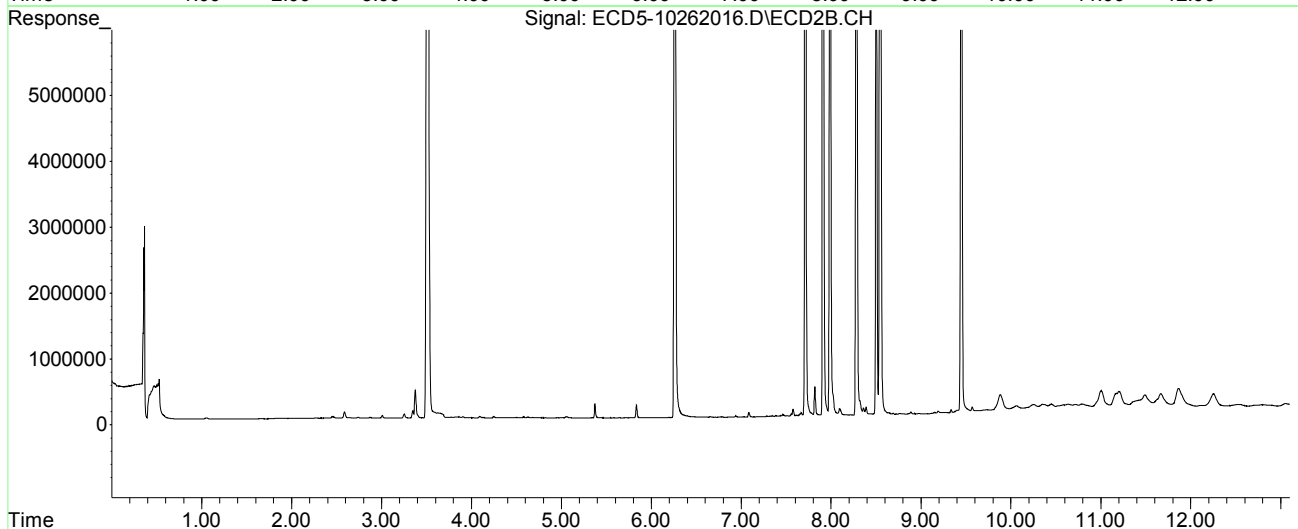
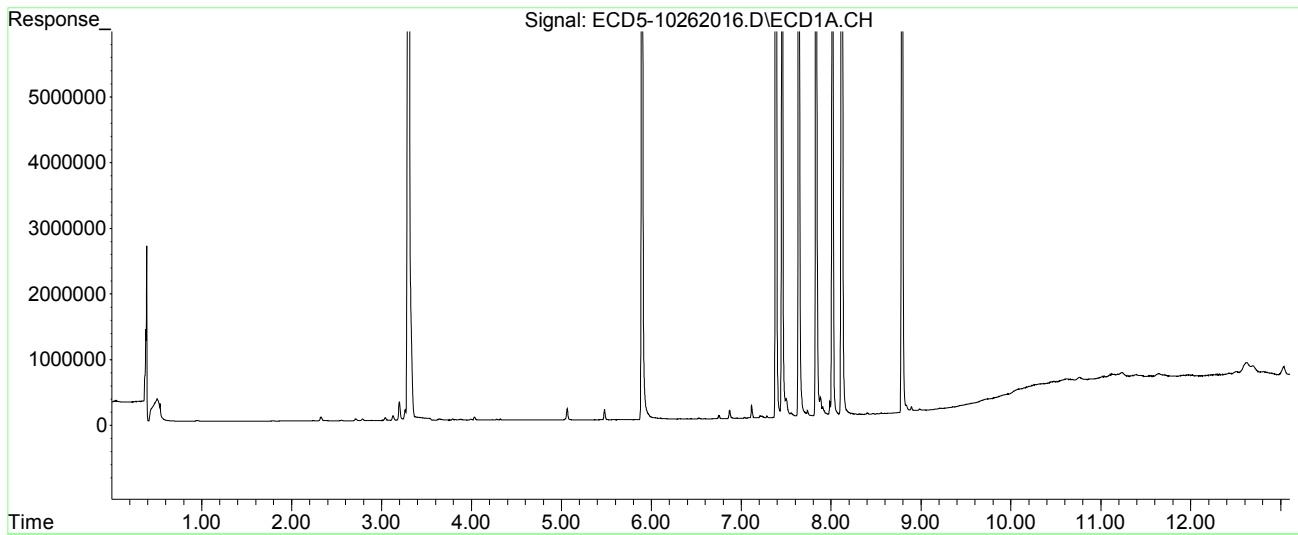
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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.

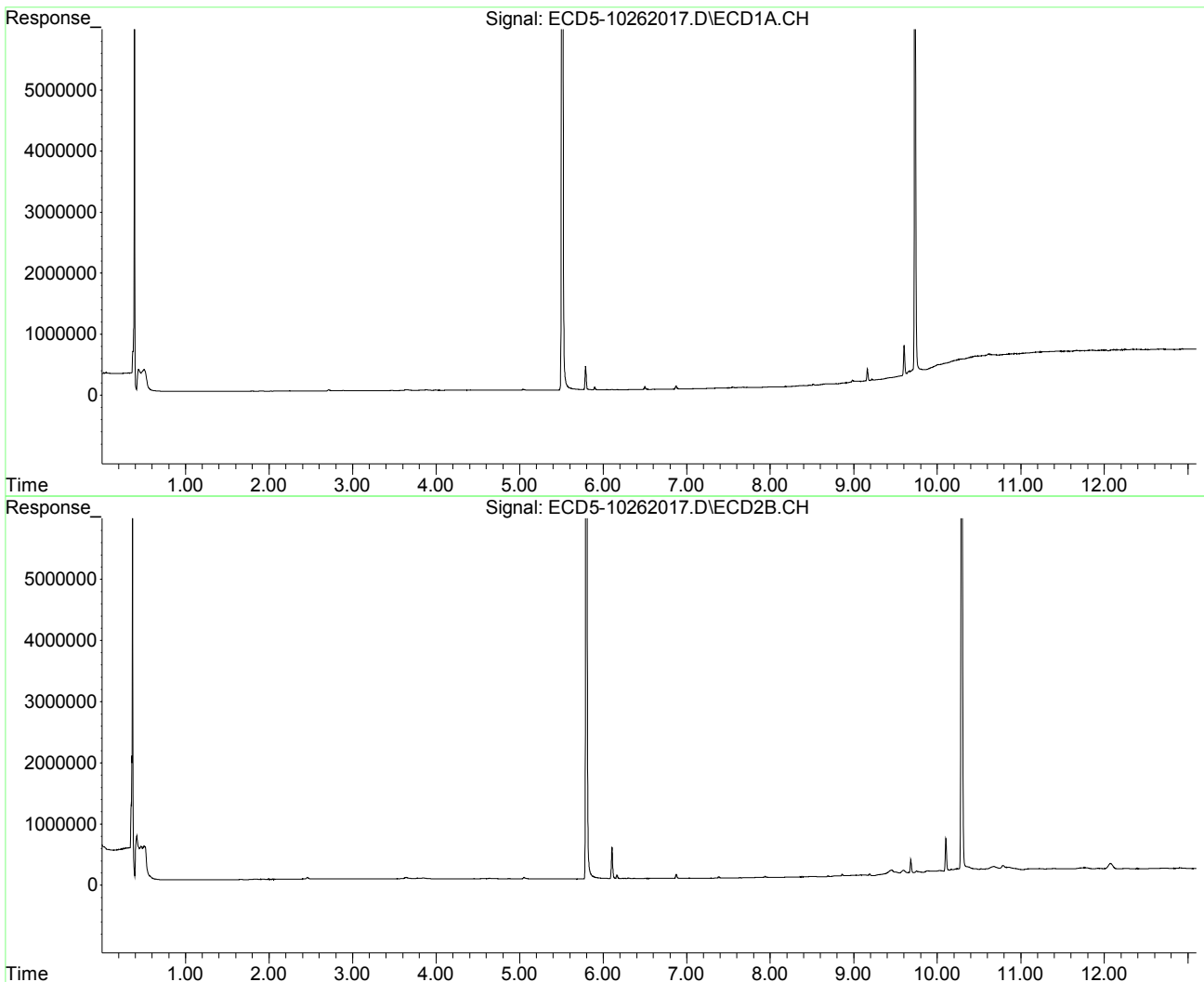
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



R-04

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 16:28
 Operator : MJB
 Sample : A0J0343-07RE3@5
 Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 16 (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 17:05:23 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)	5.495	5.798	12143757	2542498	50.045	S-02 8.209 #
22) S DCBP (S)	9.728	10.288	1833016	2114034	11.140	13.946 # S-04
Target Compounds						
2) a-BHC	6.044f	6.395	423351	476414	1.361	1.208
3) g-BHC	6.383f	6.710	295427	1111755	1.119	3.327 #
4) b-BHC	6.444	6.777	1198899	1886015	10.452	12.430
5) Heptachlor	6.752	7.098	642688	684309	2.538	2.420
6) d-BHC	6.618f	7.024	448969	650131	1.640	1.913
7) Aldrin	7.006	7.364	1068639	696727	4.028	2.285 #
8) Heptachlo...	7.443f	7.805f	2477156	462792	10.144	1.697 #
9) trans-Chl...	7.563	7.910	307645	704811	1.211	2.492 #
10) cis-Chlor...	7.681f	8.017	825356	518826	3.395	1.934 #
11) Endosulfa...	7.766	8.090	298777	3329000	1.307	13.173 #
12) 4,4'-DDE	7.701	8.131	440682	943868	1.696m	MDL= 3.236 # MRL
13) Dieldrin	7.923	8.304f	242127	568445	0.960	2.021 #
14) Endrin	8.097	8.495	187167	798128	1.015	4.086 #
15) 4,4'-DDD	8.132	8.542	6691702	1335332	30.634	P-01 5.718 # R-02
16) Endosulfa...	8.265	8.627	766076	1007490	3.676	Q-31 4.388
17) 4,4'-DDT	8.346	8.761	298370	499939	1.496m	MDL= 2.625 # R-02 MRL
18) Endrin Al...	8.551	8.880	703755	975158	3.306	4.492 #
19) Endosulfa...	8.855	9.076	548073	1144982	2.729	5.530 #
20) Methoxychlor	8.654	9.223	334635	443704	3.273	4.589 #
21) Endrin Ke...	9.096f	9.458	203194	668632	0.830	2.691 #
23) Hexachlor...	3.309	3.524	27890	41125	4769.985	0.115 #
24) Hexachlor...	5.888	6.272	585311	18513336	2.331	59.020 #
25) Oxychlorane	7.395	7.727	678734	709006	3.329	2.954
26) 2,4'-DDE	7.443	7.910	2477156	704811	15.803	P-01 3.633 # R-02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 16:28
 Operator : MJB
 Sample : A0J0343-07RE3@5
 Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 17:05:23 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...	7.612f	7.969f	666608	1076275	2.803	3.862 #
28)	2,4'-DDD	7.828	8.271	307002	875109	1.989	MDL=MRL 5.661m#
29)	2,4'-DDT	8.025	8.495	247245	798128	1.564	MDL=MRL 5.517 #
30)	cis-Nonac...	8.132	8.542	6691702	1335332	27.569	4.883 #
31)	Mirex	8.769f	9.458	894216	668632	5.804	4.135 #
32)	Chlordane...	7.612	7.969	666608	1076275	24.327	30.376
33)	Chlordane...	7.681	8.090	825356	3329000	29.529	115.347 #
34)	Chlordane...	8.265	8.730	766076	428478	94.890	50.000 #
35)	Chlordane...	3.921	3.871	272587	797239	NoCal	NoCal
36)	Toxaphene...	7.681	8.304	825356	568445	851.684	207.688 #
37)	Toxaphene...	7.981	8.627	180783	1007490	83.241	305.365 #
38)	Toxaphene...	8.313f	8.676	185832	535056	43.001	112.190 #
39)	Toxaphene...	8.525	8.730	406967	428478	90.222	54.023 #
40)	Toxaphene...	8.769	8.914	894216	617494	251.608	129.197 #
41)	Toxaphene...	8.855f	9.287	548073	710928	133.244	151.358
42)	Toxaphene...	3.921	3.871f	272587	797239	NoCal	NoCal

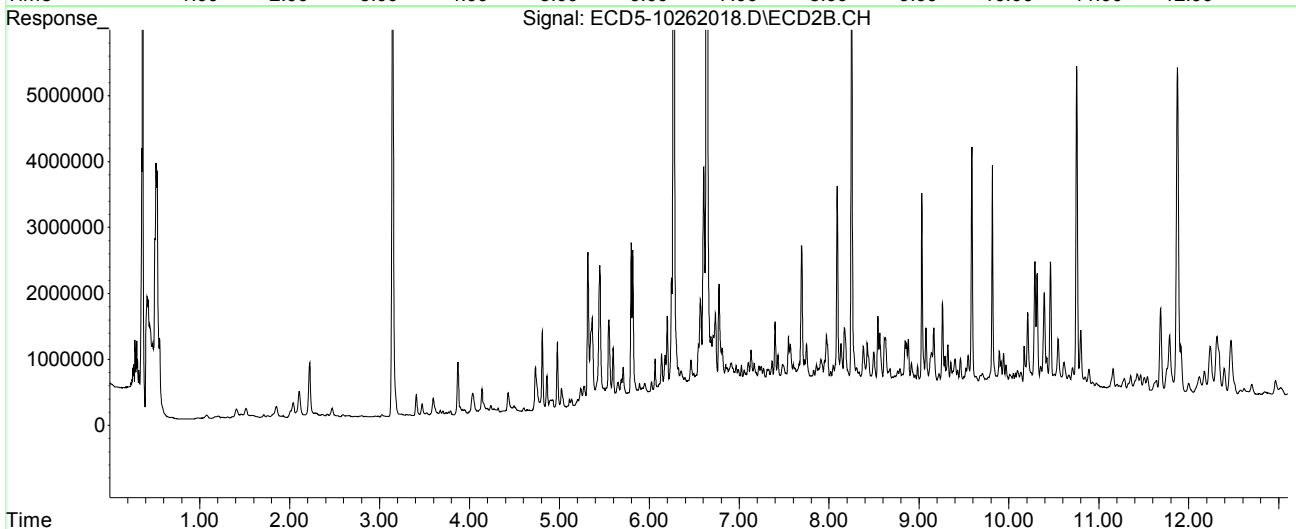
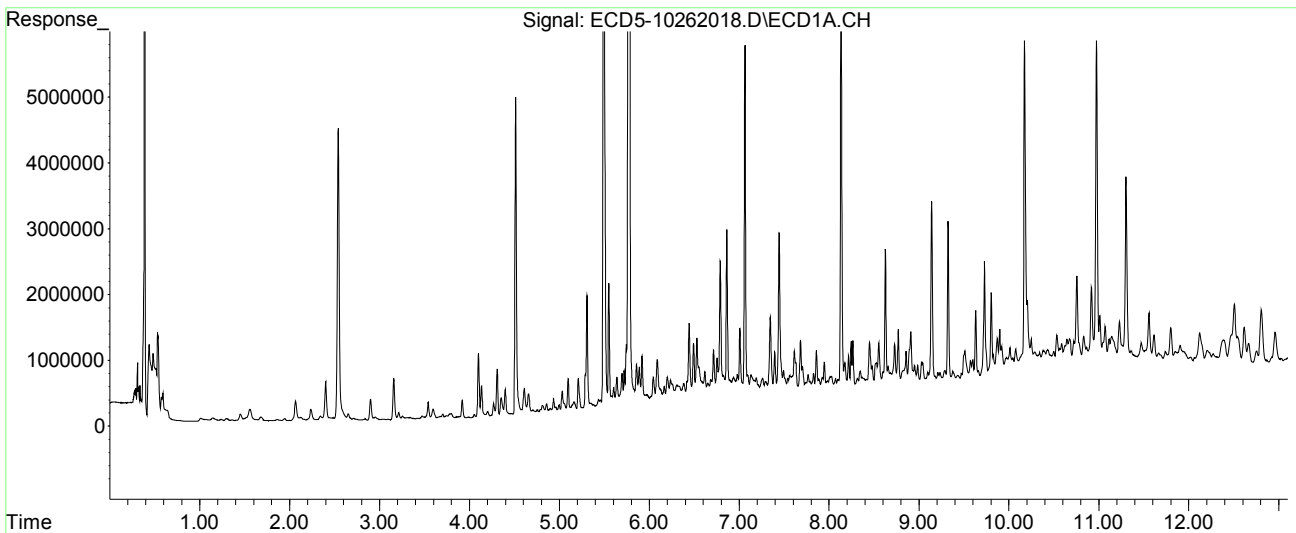
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:28
Operator : MJB
Sample : A0J0343-07RE3@5
Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 17:05:23 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

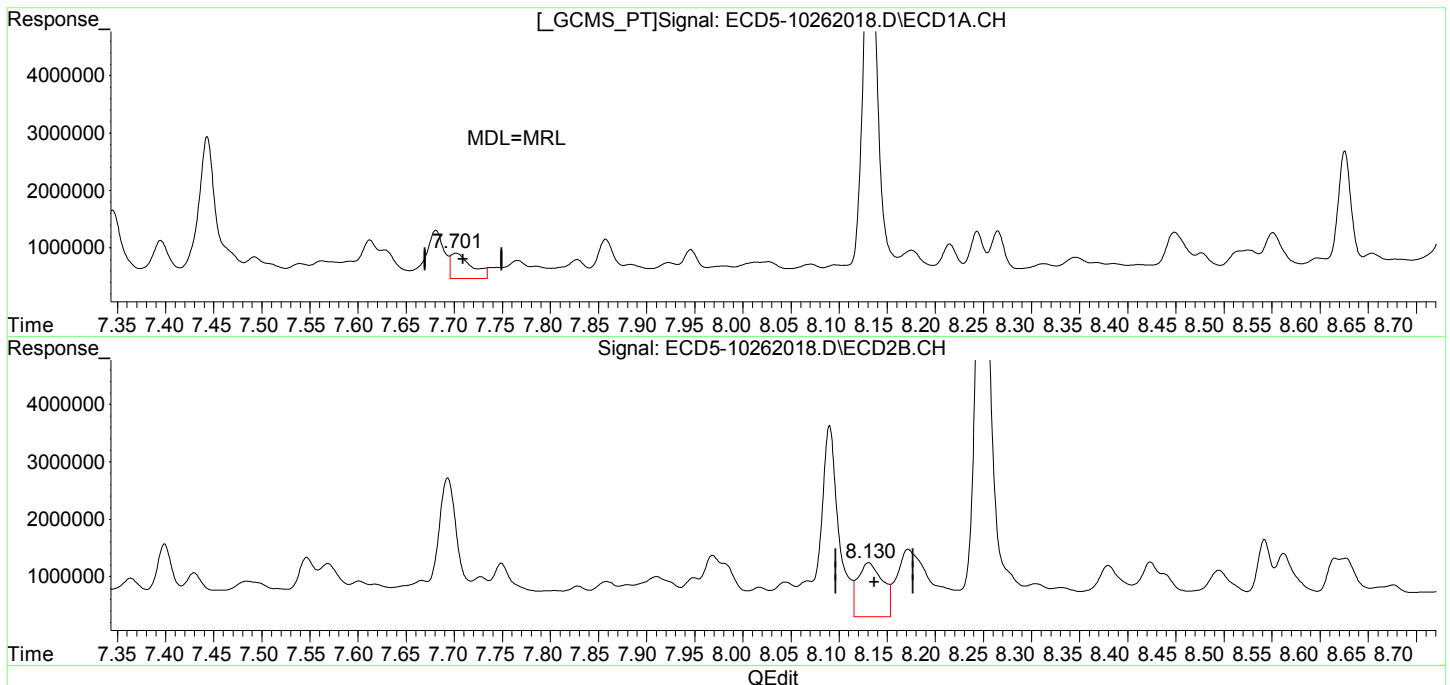


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:28
Operator : MJB
Sample : A0J0343-07RE3@5
Misc : 5x, 8081B 2,4+4,4 DDX Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 17:03:39 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
7.701min 1.696 ng/mL m
response 440682

MJB 10/26/20

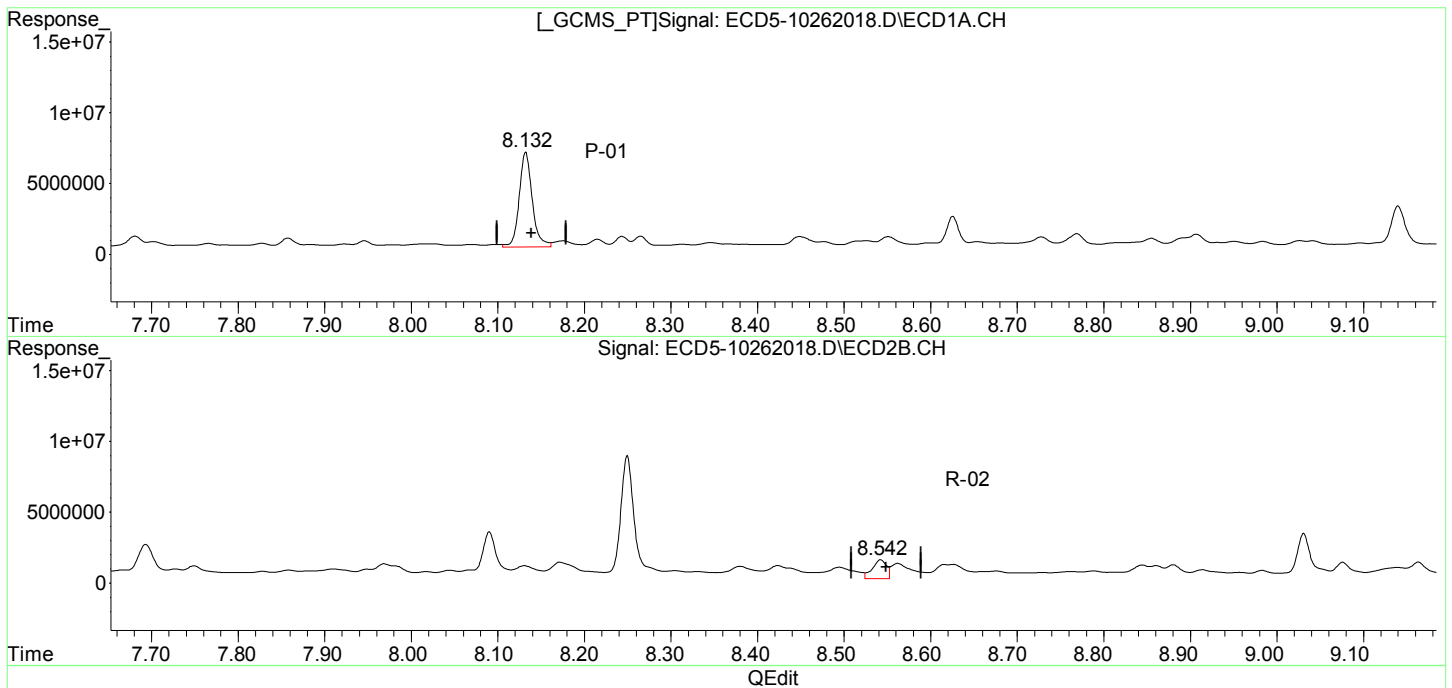
(12) 4,4'-DDE #2
8.131min 3.236 ng/mL
response 943868

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:28
Operator : MJB
Sample : A0J0343-07RE3@5
Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 17:03:39 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
8.132min 30.634 ng/mL
response 6691702

MJB 10/26/20

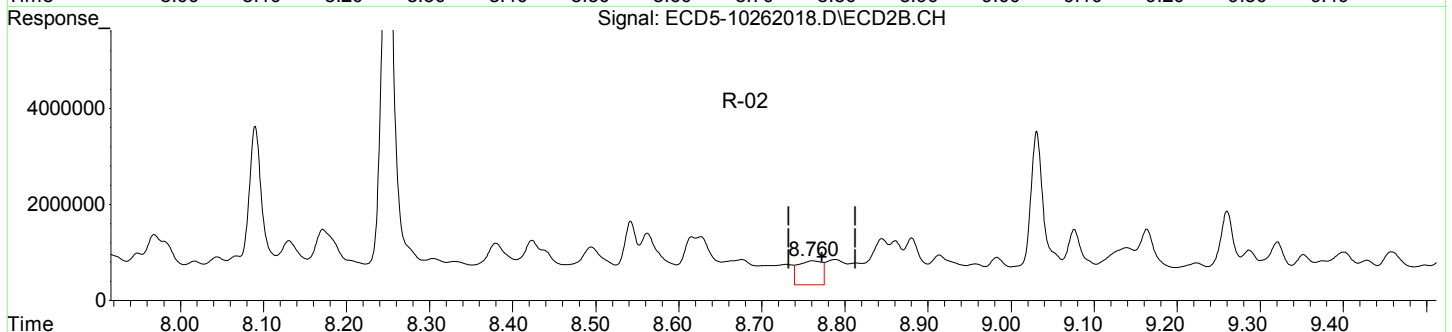
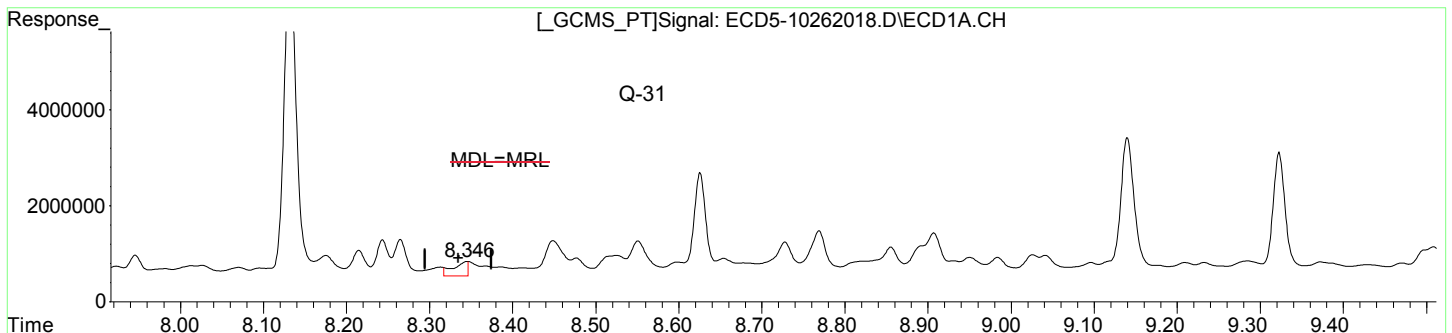
(15) 4,4'-DDD #2
8.542min 5.718 ng/mL
response 1335332

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:28
Operator : MJB
Sample : A0J0343-07RE3@5
Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 17:03:39 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



QEdit

(17) 4,4'-DDT
8.346min 1.496 ng/mL m
response 298370

MJB 10/26/20

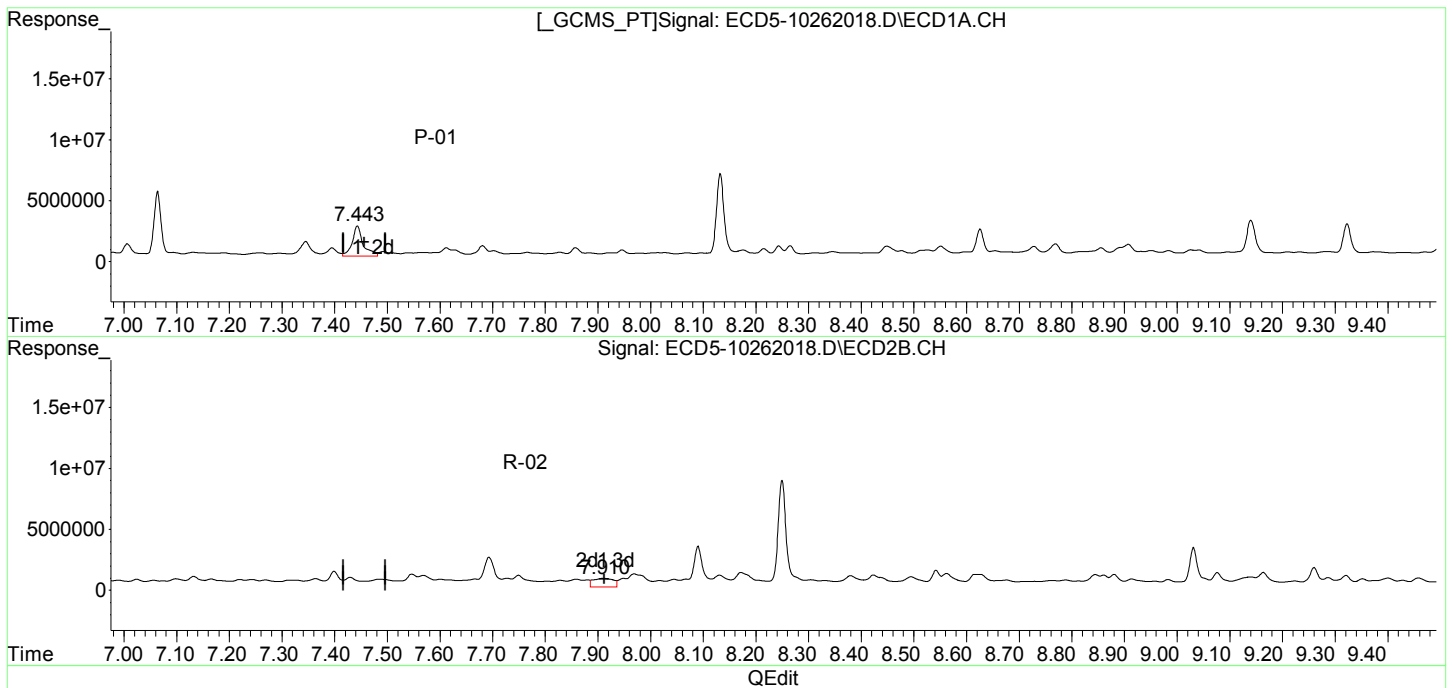
(17) 4,4'-DDT #2
8.761min 2.625 ng/mL
response 499939

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:28
Operator : MJB
Sample : A0J0343-07RE3@5
Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 17:03:39 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
7.443min 15.803 ng/mL
response 2477156

MJB 10/26/20

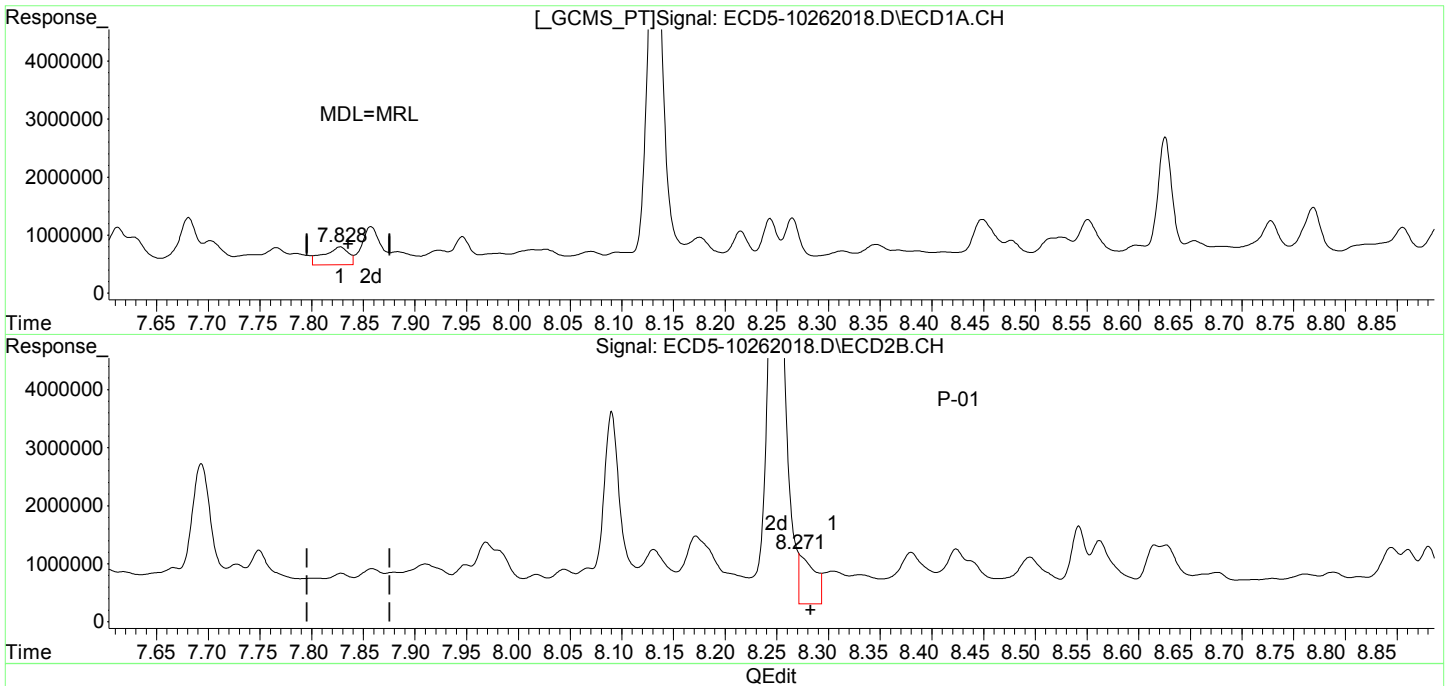
(26) 2,4'-DDE #2
7.910min 3.633 ng/mL
response 704811

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:28
Operator : MJB
Sample : A0J0343-07RE3@5
Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 17:03:39 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
7.828min 1.989 ng/mL
response 307002

MJB 10/26/20

(28) 2,4'-DDD #2
8.271min 5.661 ng/mL m
response 875109

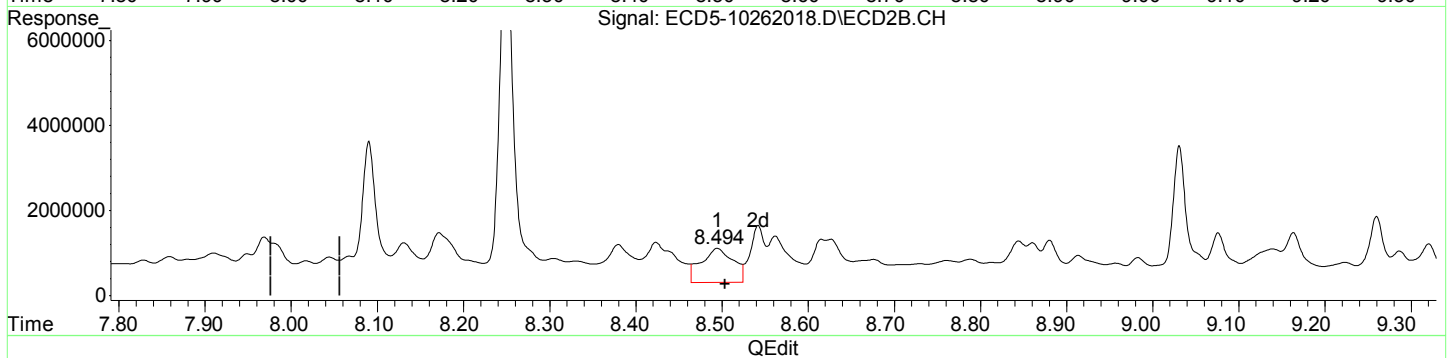
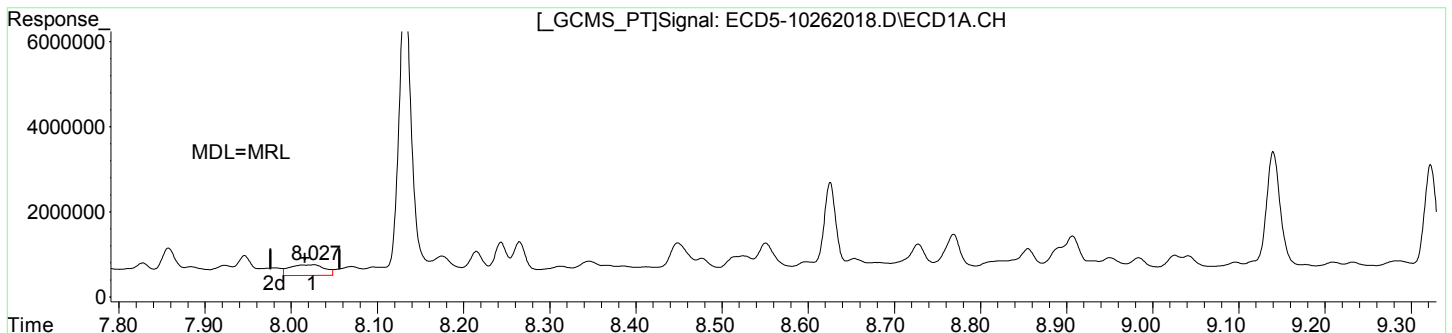
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:28
Operator : MJB
Sample : A0J0343-07RE3@5
Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 17:03:39 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
8.025min 1.564 ng/mL
response 247245

MJB 10/26/20

(29) 2,4'-DDT #2
8.495min 5.517 ng/mL
response 798128

MI

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 16:28
 Operator : MJB
 Sample : A0J0343-07RE3@5
 Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 16 (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 17:03:39 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)	5.495	5.798	12143757	2542498	50.045	8.209 #
22) S DCBP (S)	9.728	10.288	1833016	2114034	11.140	13.946 #
Target Compounds						
2) a-BHC	6.044f	6.395	423351	476414	1.361	1.208
3) g-BHC	6.383f	6.710	295427	1111755	1.119	3.327 #
4) b-BHC	6.444	6.777	1198899	1886015	10.452	12.430
5) Heptachlor	6.752	7.098	642688	684309	2.538	2.420
6) d-BHC	6.618f	7.024	448969	650131	1.640	1.913
7) Aldrin	7.006	7.364	1068639	696727	4.028	2.285 #
8) Heptachlo...	7.443f	7.805f	2477156	462792	10.144	1.697 #
9) trans-Chl...	7.563	7.910	307645	704811	1.211	2.492 #
10) cis-Chlor...	7.681f	8.017	825356	518826	3.395	1.934 #
11) Endosulfa...	7.766	8.090	298777	3329000	1.307	13.173 #
12) 4,4'-DDE	7.681f	8.131	825356	943868	3.176	3.236
13) Dieldrin	7.923	8.304f	242127	568445	0.960	2.021 #
14) Endrin	8.097	8.495	187167	798128	1.015	4.086 #
15) 4,4'-DDD	8.132	8.542	6691702	1335332	30.634	5.718 #
16) Endosulfa...	8.265	8.627	766076	1007490	3.676	4.388
17) 4,4'-DDT	8.346	8.761	296508	499939	1.486	2.625 #
18) Endrin Al...	8.551	8.880	703755	975158	3.306	4.492 #
19) Endosulfa...	8.855	9.076	548073	1144982	2.729	5.530 #
20) Methoxychlor	8.654	9.223	334635	443704	3.273	4.589 #
21) Endrin Ke...	9.096f	9.458	203194	668632	0.830	2.691 #
23) Hexachlor...	3.309	3.524	27890	41125	4769.985	0.115 #
24) Hexachlor...	5.888	6.272	585311	18513336	2.331	59.020 #
25) Oxychlorane	7.395	7.727	678734	709006	3.329	2.954
26) 2,4'-DDE	7.443	7.910	2477156	704811	15.803	3.633 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
 Data File : ECD5-10262018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 26 Oct 2020 16:28
 Operator : MJB
 Sample : A0J0343-07RE3@5
 Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Oct 26 17:03:39 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...	7.612f	7.969f	666608	1076275	2.803	3.862 #
28)	2,4'-DDD	7.828	8.304f	307002	568445	1.989	3.593 #
29)	2,4'-DDT	8.025	8.495	247245	798128	1.564	5.517 #
30)	cis-Nonac...	8.132	8.542	6691702	1335332	27.569	4.883 #
31)	Mirex	8.769f	9.458	894216	668632	5.804	4.135 #
32)	Chlordane...	7.612	7.969	666608	1076275	24.327	30.376
33)	Chlordane...	7.681	8.090	825356	3329000	29.529	115.347 #
34)	Chlordane...	8.265	8.730	766076	428478	94.890	50.000 #
35)	Chlordane...	3.921	3.871	272587	797239	NoCal	NoCal
36)	Toxaphene...	7.681	8.304	825356	568445	851.684	207.688 #
37)	Toxaphene...	7.981	8.627	180783	1007490	83.241	305.365 #
38)	Toxaphene...	8.313f	8.676	185832	535056	43.001	112.190 #
39)	Toxaphene...	8.525	8.730	406967	428478	90.222	54.023 #
40)	Toxaphene...	8.769	8.914	894216	617494	251.608	129.197 #
41)	Toxaphene...	8.855f	9.287	548073	710928	133.244	151.358
42)	Toxaphene...	3.921	3.871f	272587	797239	NoCal	NoCal

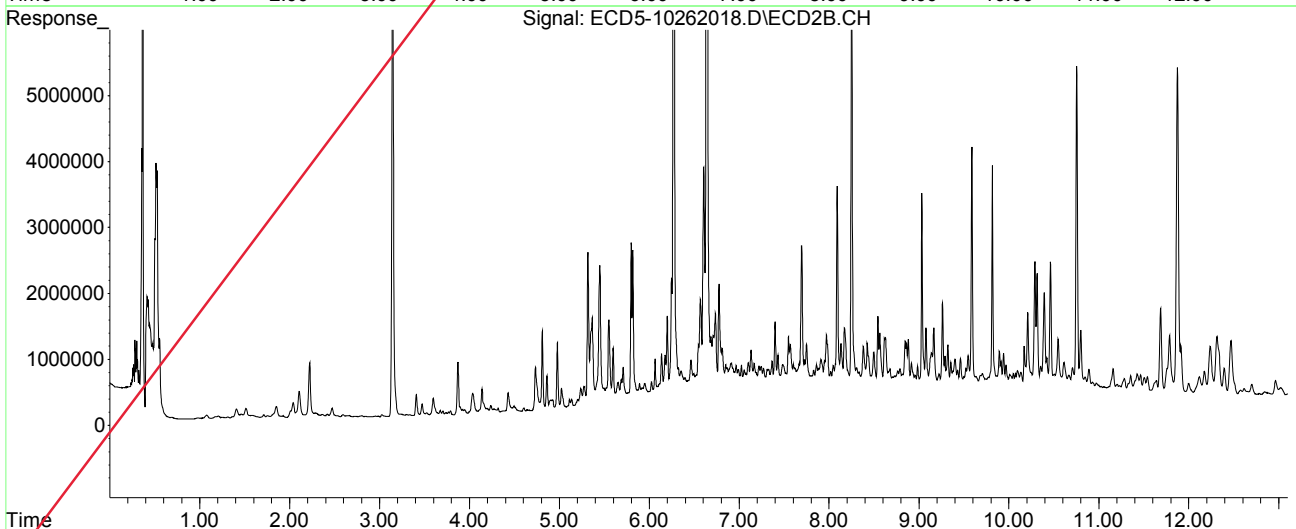
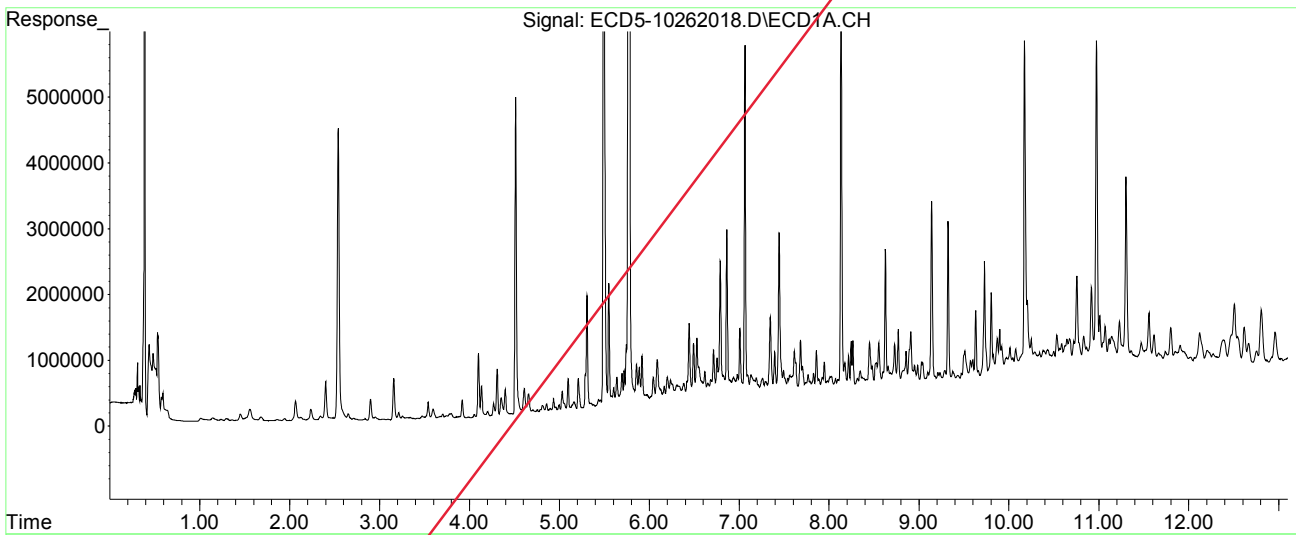
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-10\0J26062\
Data File : ECD5-10262018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2020 16:28
Operator : MJB
Sample : A0J0343-07RE3@5
Misc : 5x, 8081B 2,4+4,4 DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Oct 26 17:03:39 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
 Misc : A20H475, AB 50 ppb
 ALS Vial : 3 (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 12:16:23 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.	

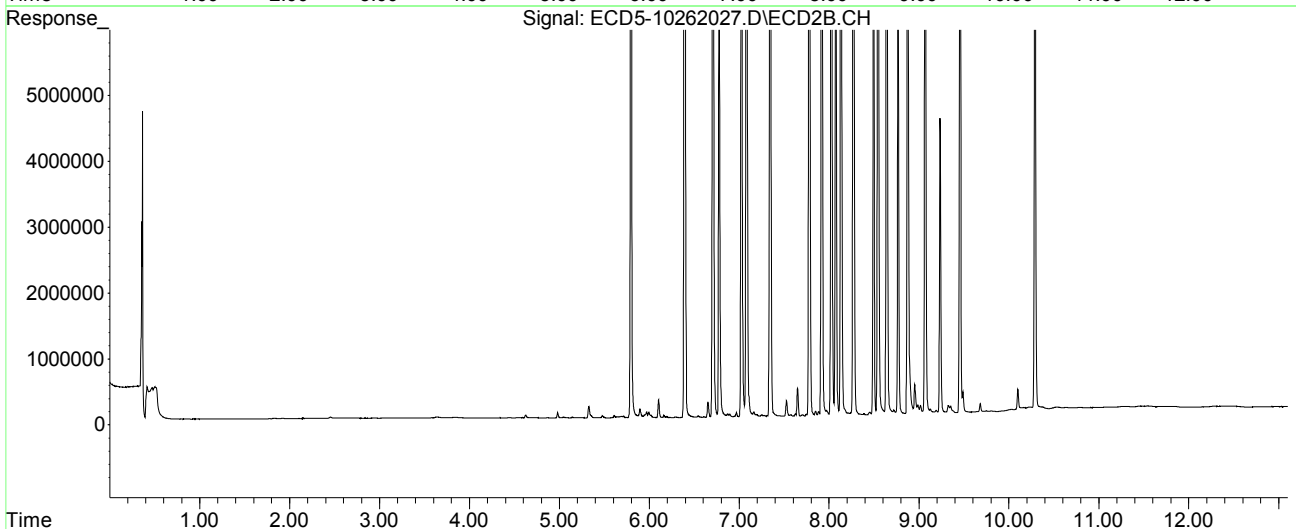
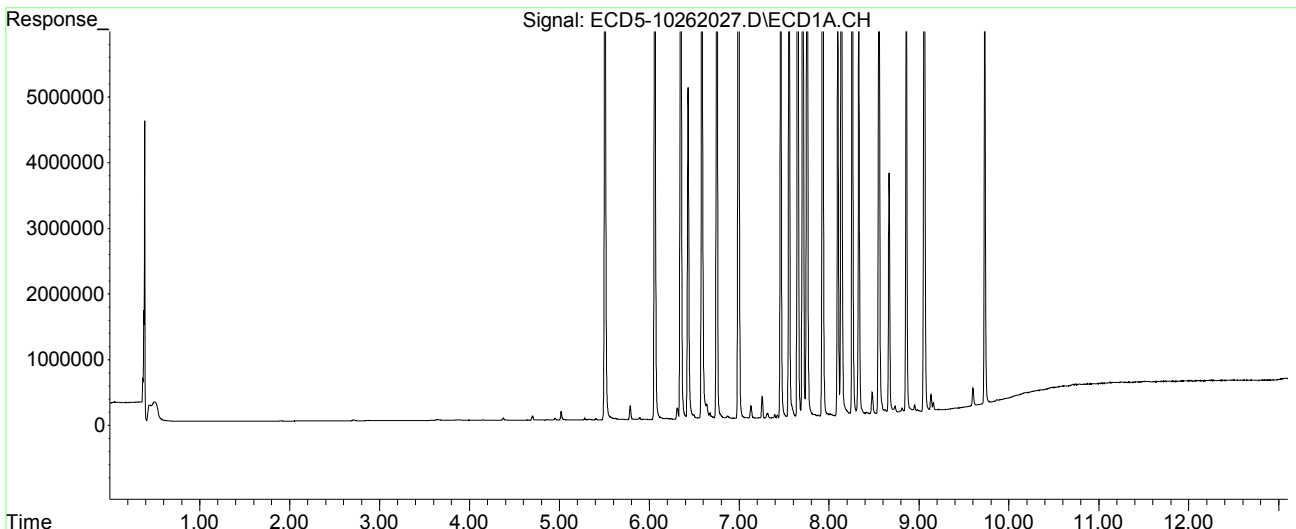
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

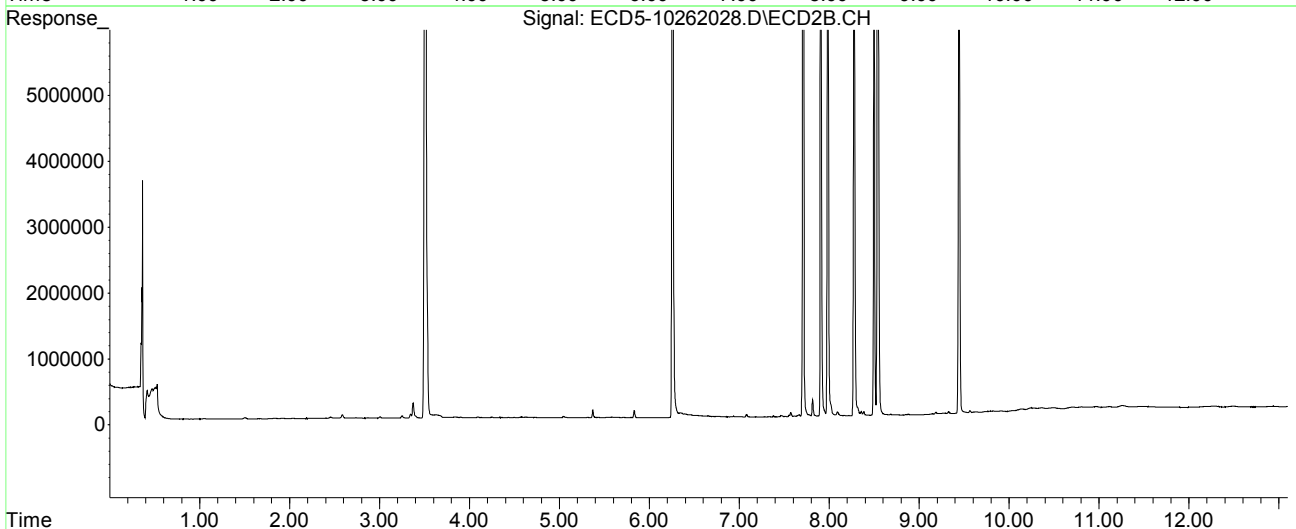
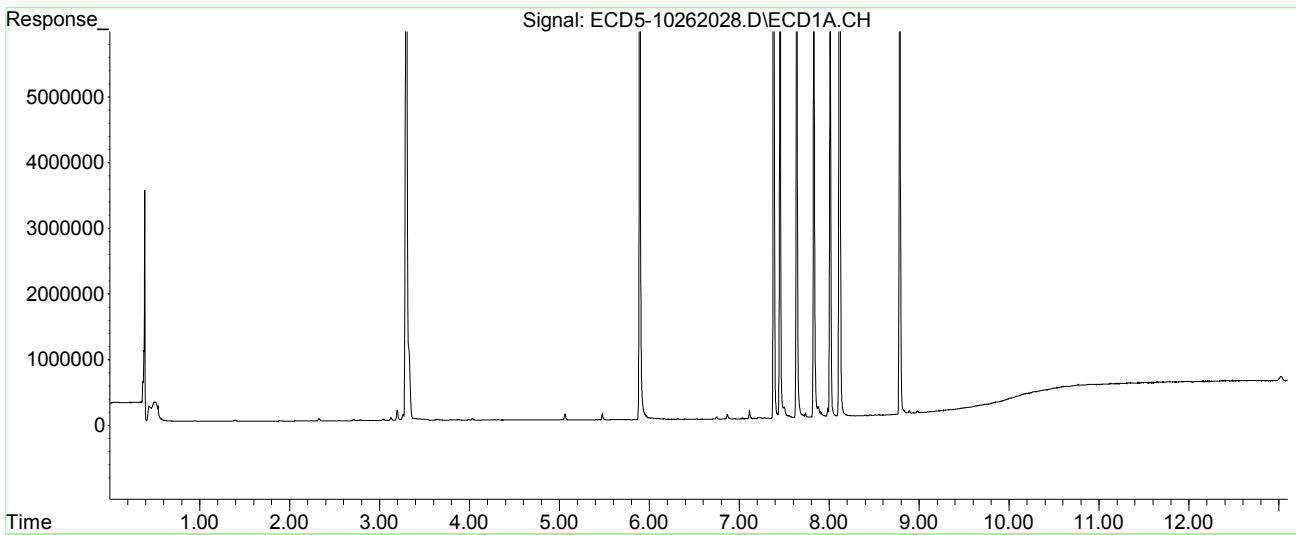
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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.

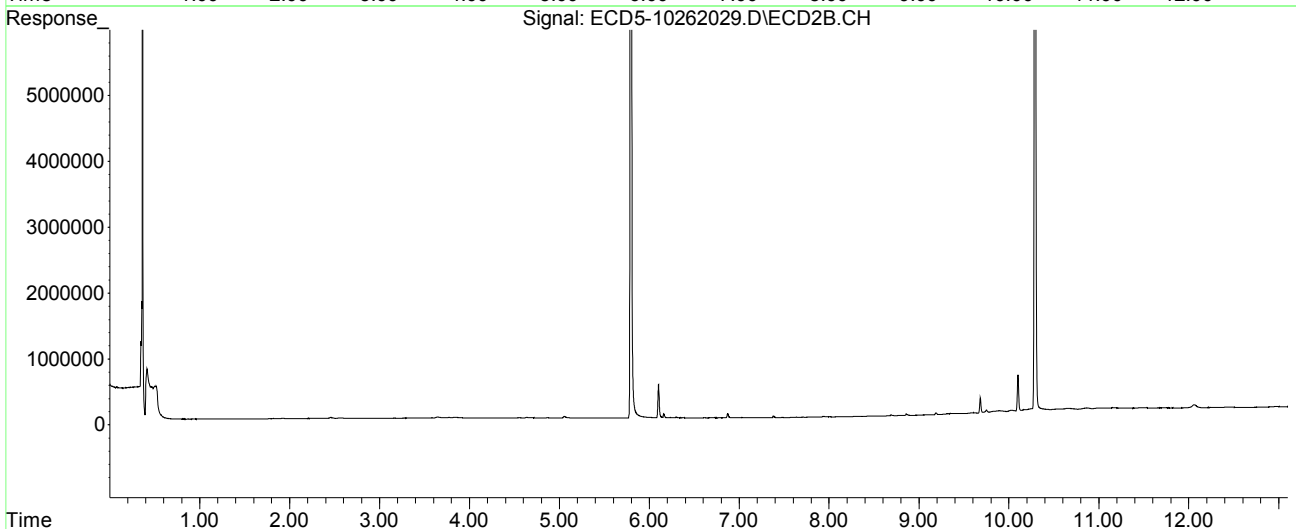
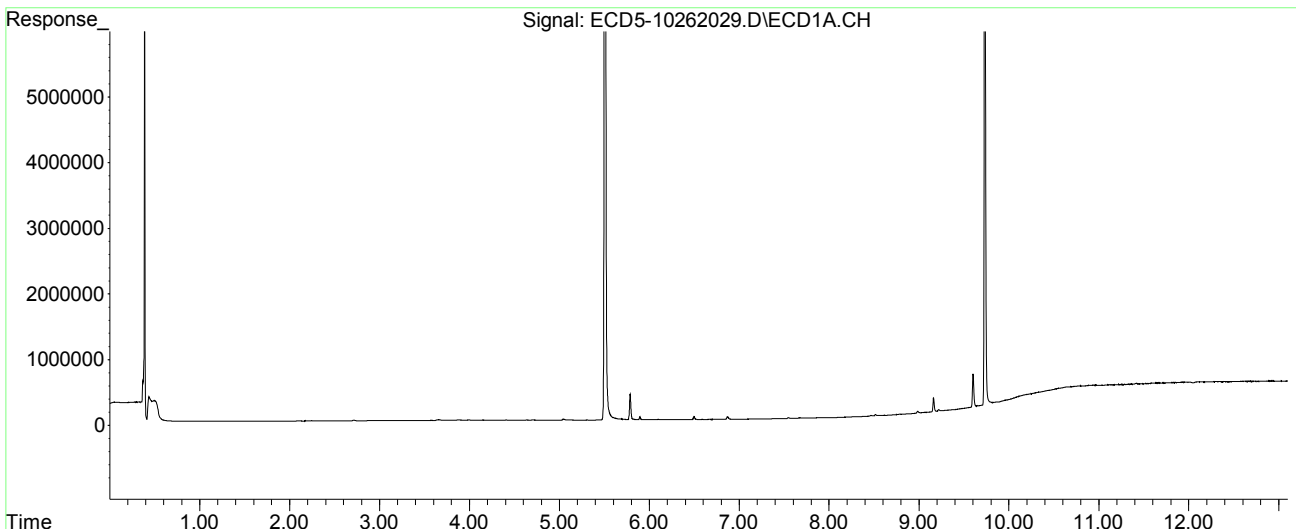
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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
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
 Title : Instrument: DualECD5
 Last Update : Thu Oct 15 11:11:37 2020

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
 Title : Instrument: DualECD5
 Last Update : Thu Oct 15 11:11:37 2020

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

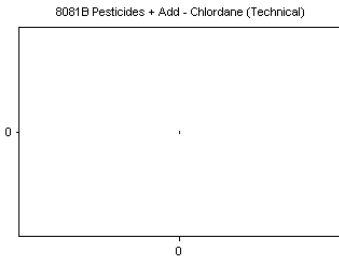
8)	Heptachlor Expoxide	Avg	-----	2.7277 e5	-----	0.0562
9)	trans-Chlordane	Avg	-----	2.8280 e5	-----	0.0525
10)	cis-Chlordane	Avg	-----	2.6830 e5	-----	0.0630
11)	Endosulfan I	Avg	-----	2.5271 e5	-----	0.0623
12)	4,4'-DDE	Avg	-----	2.9167 e5	-----	0.0654
13)	Dieldrin	Avg	-----	2.8133 e5	-----	0.0694
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**

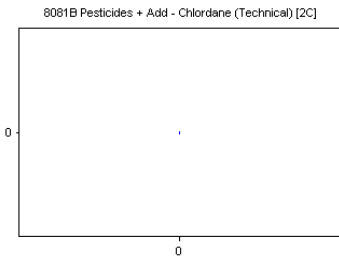
Chlordane (Technical)

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**

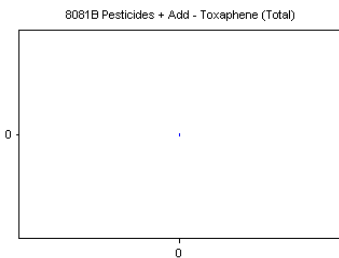
Chlordane (Technical) [2C]

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**

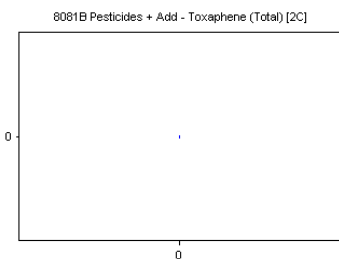
Toxaphene (Total)

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**

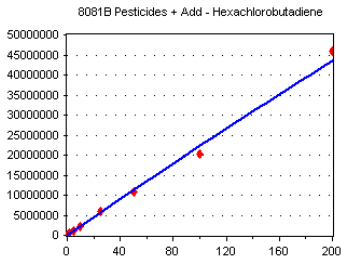
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Hexachlorobutadiene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

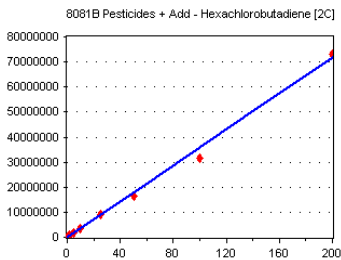


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	150001	300002.000	3.38
OJ14056-CALB	1	277482	277482.000	3.38
OJ14056-CALC	2	531546	265773.000	3.38
OJ14056-CALD	5	1152385	230477.000	3.38
OJ14056-CALE	10	2234208	223420.800	3.38
OJ14056-CALF	25	5991942	239677.700	3.38
OJ14056-CALG	50	1.078914E+07	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**

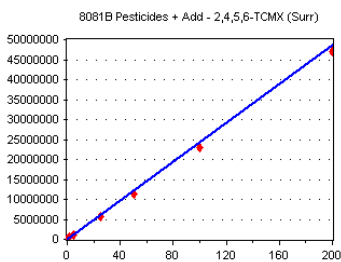


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	206112	412224.000	3.59
OJ14056-CALB	1	399831	399831.000	3.59
OJ14056-CALC	2	751508	375754.000	3.59
OJ14056-CALD	5	1711788	342357.600	3.58
OJ14056-CALE	10	3285717	328571.700	3.59
OJ14056-CALF	25	9024692	360987.700	3.59
OJ14056-CALG	50	1.644154E+07	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**

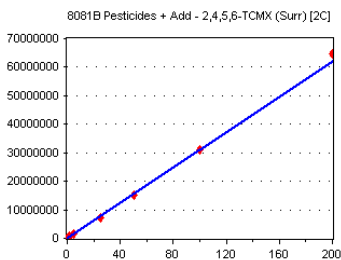


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	140529	281058.000	5.59
OJ14056-CAL2	1	253886	253886.000	5.59
OJ14056-CAL3	2	497197	248598.500	5.59
OJ14056-CAL4	5	1205086	241017.200	5.59
OJ14056-CAL6	25	5605935	224237.400	5.59
OJ14056-CAL7	50	1.135253E+07	227050.600	5.59
OJ14056-CAL8	100	2.304974E+07	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**

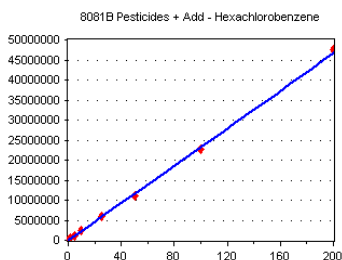
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Hexachlorobenzene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

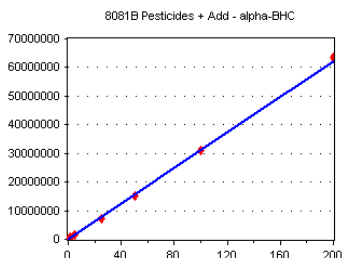


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	159234	318468.000	5.97
OJ14056-CALB	1	293882	293882.000	5.97
OJ14056-CALC	2	527783	263891.500	5.97
OJ14056-CALD	5	1167435	233487.000	5.97
OJ14056-CALE	10	2358277	235827.700	5.97
OJ14056-CALF	25	5814466	232578.600	5.97
OJ14056-CALG	50	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**

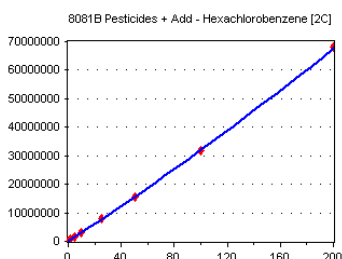


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	167796	335592.000	6.14
OJ14056-CAL2	1	306194	306194.000	6.14
OJ14056-CAL3	2	628323	314161.500	6.14
OJ14056-CAL4	5	1541028	308205.600	6.14
OJ14056-CAL6	25	7321853	292874.100	6.14
OJ14056-CAL7	50	1.50395E+07	300790.000	6.14
OJ14056-CAL8	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**

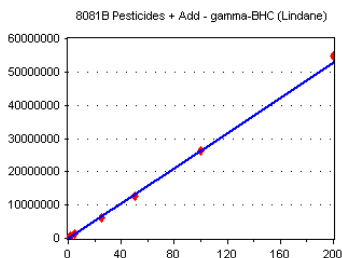


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	201011	402022.000	6.33
OJ14056-CALB	1	376662	376662.000	6.33
OJ14056-CALC	2	676521	338260.500	6.34
OJ14056-CALD	5	1512851	302570.200	6.33
OJ14056-CALE	10	3045667	304566.700	6.33
OJ14056-CALF	25	7847210	313888.400	6.33
OJ14056-CALG	50	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	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**

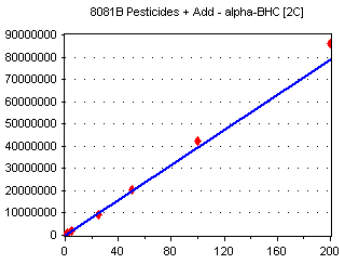
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

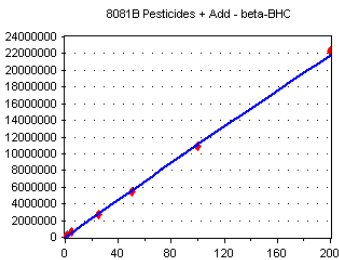


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	193976	387952.000	6.47
OJ14056-CAL2	1	369703	369703.000	6.47
OJ14056-CAL3	2	753186	376593.000	6.47
OJ14056-CAL4	5	1928602	385720.400	6.47
OJ14056-CAL6	25	9397096	375883.800	6.47
OJ14056-CAL7	50	2.031477E+07	406295.400	6.47
OJ14056-CAL8	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**



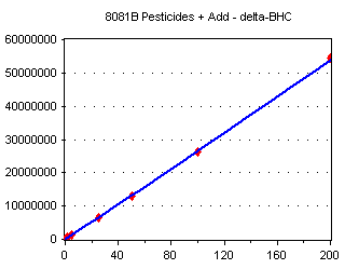
Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	76860	153720.000	6.51
OJ14056-CAL2	1	134233	134233.000	6.51
OJ14056-CAL3	2	257026	128513.000	6.51
OJ14056-CAL4	5	600757	120151.400	6.51
OJ14056-CAL6	25	2725704	109028.200	6.51
OJ14056-CAL7	50	5498441	109968.800	6.51
OJ14056-CAL8	100	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

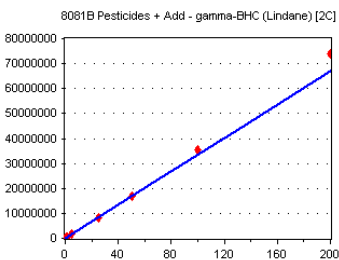


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	153083	306166.000	6.66
OJ14056-CAL2	1	279968	279968.000	6.66
OJ14056-CAL3	2	554144	277072.000	6.66
OJ14056-CAL4	5	1353451	270690.200	6.66
OJ14056-CAL6	25	6544991	261799.600	6.66
OJ14056-CAL7	50	1.295229E+07	259045.800	6.66
OJ14056-CAL8	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**

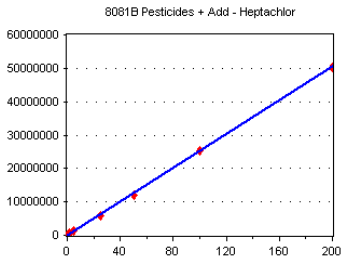
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Heptachlor

Curve Fit: **AVERAGE RF**

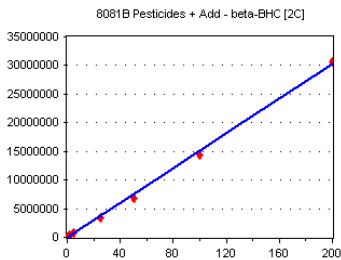


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	141918	283836.000	6.83
OJ14056-CAL2	1	254387	254387.000	6.83
OJ14056-CAL3	2	511111	255555.500	6.83
OJ14056-CAL4	5	1261215	252243.000	6.83
OJ14056-CAL6	25	5863869	234554.800	6.83
OJ14056-CAL7	50	1.204687E+07	240937.400	6.83
OJ14056-CAL8	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**

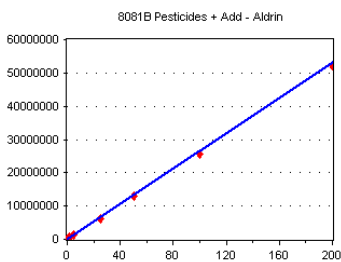


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	90501	181002.000	6.85
OJ14056-CAL2	1	163076	163076.000	6.85
OJ14056-CAL3	2	306878	153439.000	6.85
OJ14056-CAL4	5	721255	144251.000	6.85
OJ14056-CAL6	25	3439511	137580.400	6.85
OJ14056-CAL7	50	6903913	138078.300	6.85
OJ14056-CAL8	100	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**



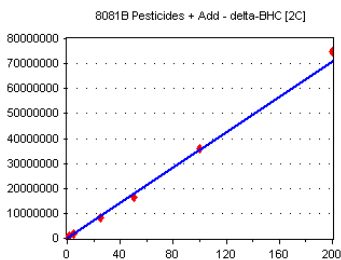
Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	143946	287892.000	7.07
OJ14056-CAL2	1	274443	274443.000	7.07
OJ14056-CAL3	2	542139	271069.500	7.07
OJ14056-CAL4	5	1317210	263442.000	7.07
OJ14056-CAL6	25	6225758	249030.300	7.07
OJ14056-CAL7	50	1.285643E+07	257128.600	7.07
OJ14056-CAL8	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**

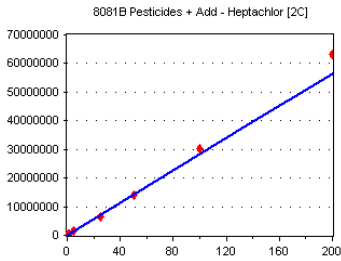
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

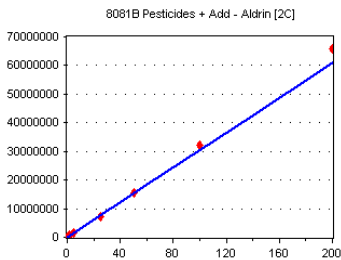


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	155482	310964.000	7.16
OJ14056-CAL2	1	263644	263644.000	7.16
OJ14056-CAL3	2	517087	258543.500	7.16
OJ14056-CAL4	5	1327780	265556.000	7.16
OJ14056-CAL6	25	6609002	264360.100	7.16
OJ14056-CAL7	50	1.40882E+07	281764.000	7.16
OJ14056-CAL8	100	3.016639E+07	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**

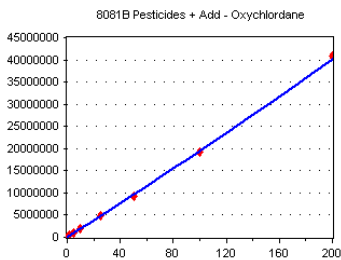


Standard	Concentration	Response	Factor	RT
OJ14056-CAL1	0.5	154585	309170.000	7.42
OJ14056-CAL2	1	288446	288446.000	7.42
OJ14056-CAL3	2	584662	292331.000	7.42
OJ14056-CAL4	5	1471589	294317.800	7.42
OJ14056-CAL6	25	7351725	294069.000	7.42
OJ14056-CAL7	50	1.550758E+07	310151.600	7.42
OJ14056-CAL8	100	3.208644E+07	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

Oxychlorodane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

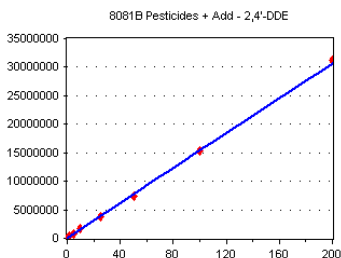


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	140283	280566.000	7.47
OJ14056-CALB	1	248898	248898.000	7.47
OJ14056-CALC	2	438019	219009.500	7.47
OJ14056-CALD	5	956472	191294.400	7.47
OJ14056-CALE	10	1961806	196180.600	7.47
OJ14056-CALF	25	4875285	195011.400	7.47
OJ14056-CALG	50	9326636	186532.700	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**

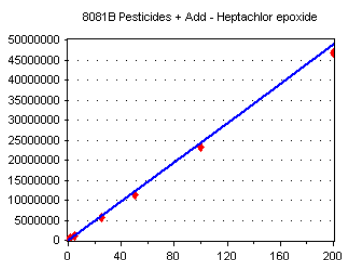
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

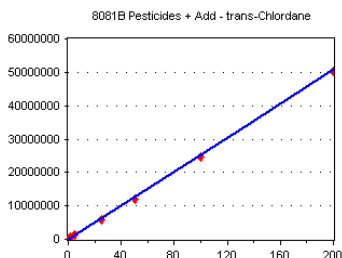


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	140794	281588.000	7.54
OJ14056-CAL2	1	259023	259023.000	7.54
OJ14056-CAL3	2	501641	250820.500	7.54
OJ14056-CAL4	5	1188991	237798.200	7.54
OJ14056-CAL6	25	5734577	229383.100	7.54
OJ14056-CAL7	50	1.139438E+07	227887.600	7.54
OJ14056-CAL8	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**

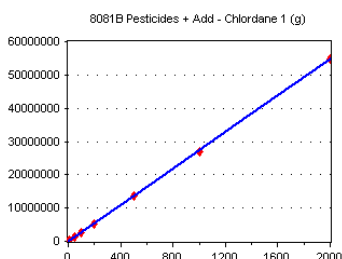


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	144465	288930.000	7.64
OJ14056-CAL2	1	267031	267031.000	7.64
OJ14056-CAL3	2	517096	258548.000	7.64
OJ14056-CAL4	5	1239286	247857.200	7.63
OJ14056-CAL6	25	5843575	233743.000	7.63
OJ14056-CAL7	50	1.192348E+07	238469.600	7.63
OJ14056-CAL8	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**

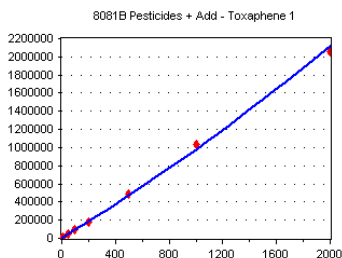


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALJ	10	304550	30455.000	7.64
OJ14056-CALK	50	1334556	26691.120	7.63
OJ14056-CALL	100	2655740	26557.400	7.64
OJ14056-CALM	200	5274036	26370.180	7.64
OJ14056-CALN	500	1.365404E+07	27308.080	7.63
OJ14056-CALO	1000	2.701681E+07	27016.810	7.63
OJ14056-CALP	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**

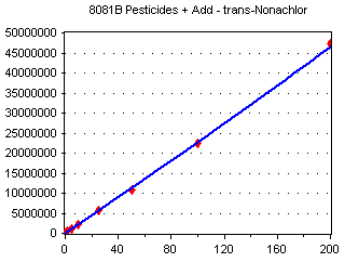
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

trans-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

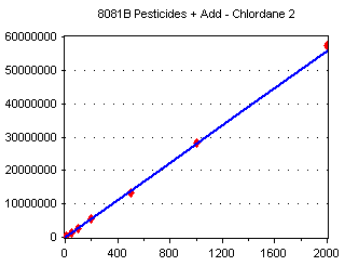


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	151770	303540.000	7.72
OJ14056-CALB	1	287672	287672.000	7.72
OJ14056-CALC	2	495556	247778.000	7.72
OJ14056-CALD	5	1120921	224184.200	7.72
OJ14056-CALE	10	2286824	228682.400	7.72
OJ14056-CALF	25	5561787	222471.500	7.72
OJ14056-CALG	50	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**

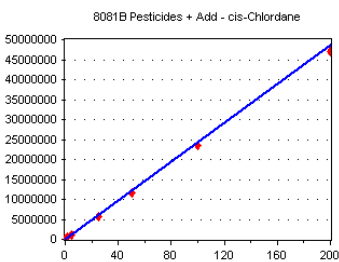


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALJ	10	307347	30734.700	7.73
OJ14056-CALK	50	1346695	26933.900	7.73
OJ14056-CALL	100	2729980	27299.800	7.73
OJ14056-CALM	200	5386626	26933.130	7.73
OJ14056-CALN	500	1.345283E+07	26905.660	7.73
OJ14056-CALO	1000	2.818756E+07	28187.560	7.73
OJ14056-CALP	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**

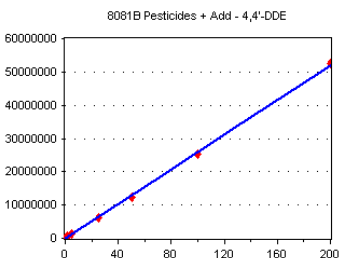


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	137544	275088.000	7.73
OJ14056-CAL2	1	256225	256225.000	7.73
OJ14056-CAL3	2	497982	248991.000	7.73
OJ14056-CAL4	5	1182697	236539.400	7.73
OJ14056-CAL6	25	5682477	227299.100	7.73
OJ14056-CAL7	50	1.153708E+07	230741.600	7.73
OJ14056-CAL8	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**

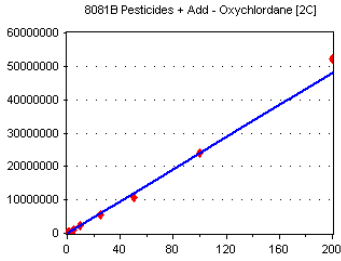
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Oxychlorthane [2C]

Curve Fit: **AVERAGE RF**

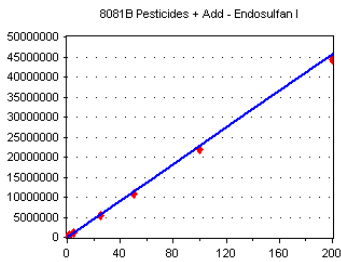


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	141434	282868.000	7.79
OJ14056-CALB	1	264881	264881.000	7.79
OJ14056-CALC	2	475085	237542.500	7.79
OJ14056-CALD	5	1072428	214485.600	7.79
OJ14056-CALE	10	2190386	219038.600	7.79
OJ14056-CALF	25	5656841	226273.600	7.79
OJ14056-CALG	50	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**

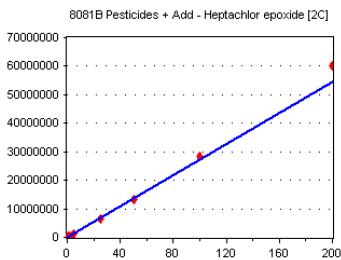


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	128922	257844.000	7.84
OJ14056-CAL2	1	240021	240021.000	7.84
OJ14056-CAL3	2	468891	234445.500	7.84
OJ14056-CAL4	5	1136280	227256.000	7.84
OJ14056-CAL6	25	5340395	213615.800	7.84
OJ14056-CAL7	50	1.073011E+07	214602.200	7.83
OJ14056-CAL8	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**

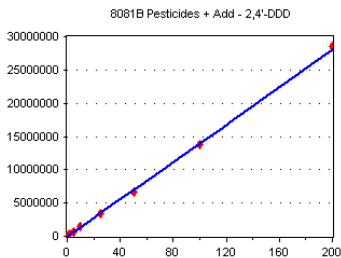


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	142572	285144.000	7.86
OJ14056-CAL2	1	268398	268398.000	7.86
OJ14056-CAL3	2	516383	258191.500	7.86
OJ14056-CAL4	5	1285859	257171.800	7.86
OJ14056-CAL6	25	6565406	262616.300	7.86
OJ14056-CAL7	50	1.336361E+07	267272.200	7.85
OJ14056-CAL8	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**

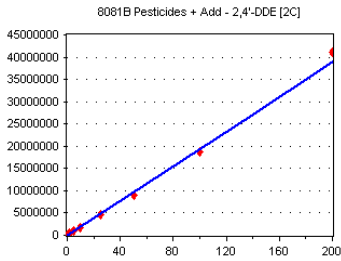
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

2,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

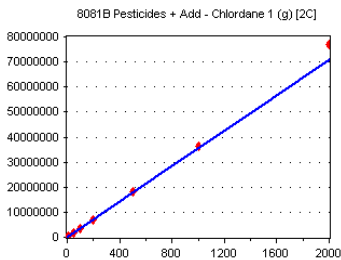


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	111017	222034.000	7.98
OJ14056-CALB	1	219431	219431.000	7.98
OJ14056-CALC	2	378009	189004.500	7.98
OJ14056-CALD	5	895392	179078.400	7.98
OJ14056-CALE	10	1793894	179389.400	7.98
OJ14056-CALF	25	4550076	182003.000	7.98
OJ14056-CALG	50	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**

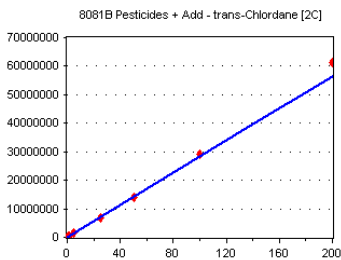


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALJ	10	356975	35697.500	7.99
OJ14056-CALK	50	1636860	32737.200	7.99
OJ14056-CALL	100	3329301	33293.010	7.99
OJ14056-CALM	200	6911106	34555.530	7.99
OJ14056-CALN	500	1.834704E+07	36694.080	7.99
OJ14056-CALO	1000	3.645556E+07	36455.560	7.99
OJ14056-CALP	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**

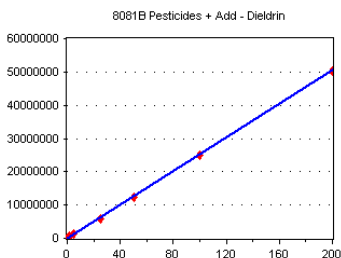


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	150441	300882.000	8.00
OJ14056-CAL2	1	275149	275149.000	8.00
OJ14056-CAL3	2	546800	273400.000	8.00
OJ14056-CAL4	5	1337960	267592.000	7.99
OJ14056-CAL6	25	6700617	268024.700	8.00
OJ14056-CAL7	50	1.400931E+07	280186.200	7.99
OJ14056-CAL8	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**

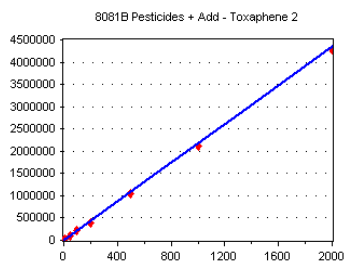
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 2

Curve Fit: **AVERAGE RF**

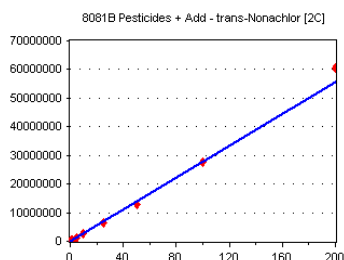


Standard	Concentration	Response	Factor	RT
OJ14056-CALQ	10	24856	2485.600	8.01
OJ14056-CALR	50	108189	2163.780	8.01
OJ14056-CALS	100	219547	2195.470	8.01
OJ14056-CALT	200	399138	1995.690	8.01
OJ14056-CALU	500	1053998	2107.996	8.01
OJ14056-CALV	1000	2113258	2113.258	8.01
OJ14056-CALW	2000	4281496	2140.748	8.01

AVE RF 2171.792 **RF RSD** 7.00 **AVE RT** 8.01

trans-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

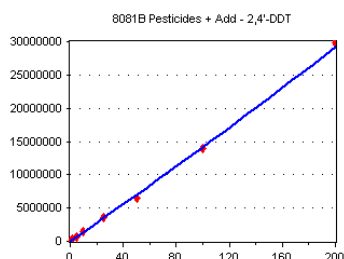


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	162972	325944.000	8.06
OJ14056-CALB	1	309445	309445.000	8.06
OJ14056-CALC	2	538531	269265.500	8.06
OJ14056-CALD	5	1256872	251374.400	8.06
OJ14056-CALE	10	2561574	256157.400	8.06
OJ14056-CALF	25	6425020	257000.800	8.06
OJ14056-CALG	50	1.298621E+07	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**

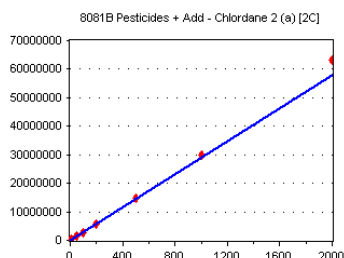


Standard	Concentration	Response	Factor	RT
OJ14056-CALA	0.5	97546	195092.000	8.09
OJ14056-CALB	1	185344	185344.000	8.09
OJ14056-CALC	2	311126	155563.000	8.09
OJ14056-CALD	5	683815	136763.000	8.09
OJ14056-CALE	10	1419577	141957.700	8.09
OJ14056-CALF	25	3622126	144885.000	8.09
OJ14056-CALG	50	6517761	130355.200	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**

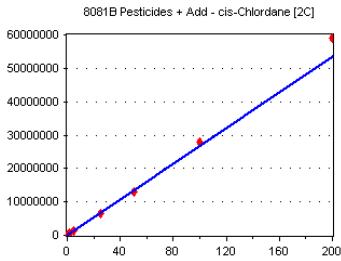
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

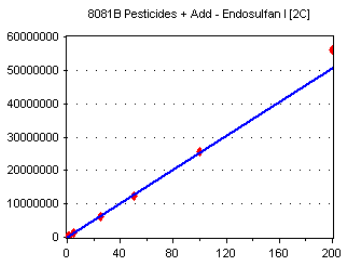


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	143168	286336.000	8.10
OJ14056-CAL2	1	262088	262088.000	8.10
OJ14056-CAL3	2	519519	259759.500	8.10
OJ14056-CAL4	5	1240277	248055.400	8.10
OJ14056-CAL6	25	6333107	253324.300	8.10
OJ14056-CAL7	50	1.306013E+07	261202.600	8.10
OJ14056-CAL8	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**

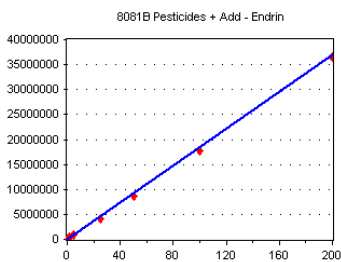


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	135108	270216.000	8.15
OJ14056-CAL2	1	251042	251042.000	8.15
OJ14056-CAL3	2	473272	236636.000	8.15
OJ14056-CAL4	5	1194602	238920.400	8.15
OJ14056-CAL6	25	6024680	240987.200	8.15
OJ14056-CAL7	50	1.239928E+07	247985.600	8.15
OJ14056-CAL8	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**

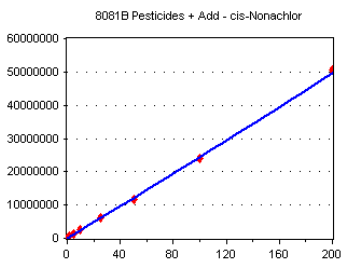


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	105277	210554.000	8.18
OJ14056-CAL2	1	188876	188876.000	8.18
OJ14056-CAL3	2	385124	192562.000	8.18
OJ14056-CAL4	5	910916	182183.200	8.18
OJ14056-CAL6	25	4189458	167578.300	8.18
OJ14056-CAL7	50	8619344	172386.900	8.18
OJ14056-CAL8	100	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**

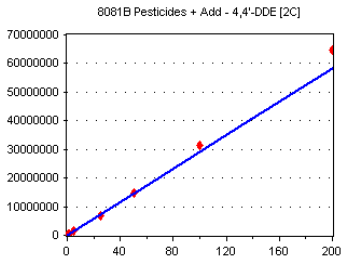
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

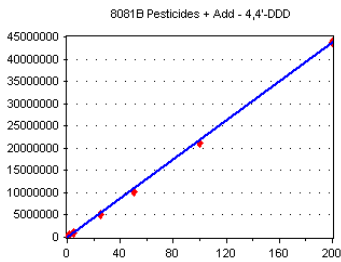


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	148799	297598.000	8.20
OJ14056-CAL2	1	276372	276372.000	8.20
OJ14056-CAL3	2	558084	279042.000	8.20
OJ14056-CAL4	5	1358638	271727.600	8.20
OJ14056-CAL6	25	6948937	277957.500	8.20
OJ14056-CAL7	50	1.465778E+07	293155.600	8.20
OJ14056-CAL8	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**

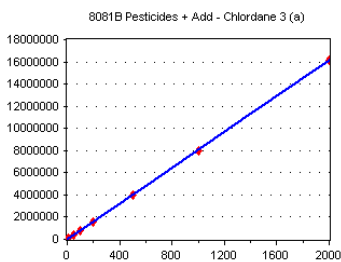


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	123211	246422.000	8.21
OJ14056-CAL2	1	224880	224880.000	8.21
OJ14056-CAL3	2	445212	222606.000	8.21
OJ14056-CAL4	5	1071622	214324.400	8.21
OJ14056-CAL6	25	5100984	204039.400	8.21
OJ14056-CAL7	50	1.019722E+07	203944.400	8.21
OJ14056-CAL8	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**

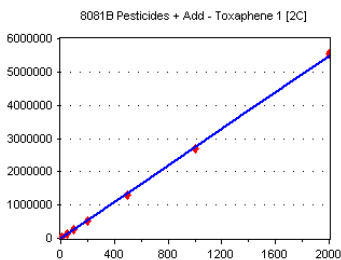


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALJ	10	90342	9034.200	8.29
OJ14056-CALK	50	396365	7927.300	8.29
OJ14056-CALL	100	777703	7777.030	8.29
OJ14056-CALM	200	1556390	7781.950	8.29
OJ14056-CALN	500	3976029	7952.058	8.29
OJ14056-CALO	1000	7956827	7956.827	8.29
OJ14056-CALP	2000	1.61676E+07	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**

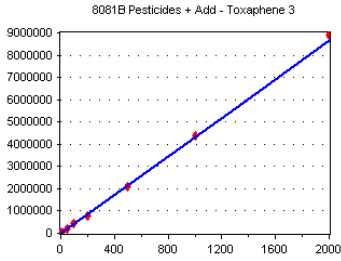
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 3

Curve Fit: **AVERAGE RF**

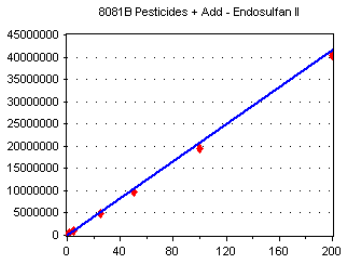


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	47042	4704.200	8.33
OJ14056-CALR	50	213060	4261.200	8.33
OJ14056-CALS	100	431516	4315.160	8.33
OJ14056-CALT	200	785098	3925.490	8.33
OJ14056-CALU	500	2095888	4191.776	8.33
OJ14056-CALV	1000	4402201	4402.201	8.33
OJ14056-CALW	2000	8901901	4450.951	8.33

AVE RF 4321.568 **RF RSD** 5.57 **AVE RT** 8.33

Endosulfan II

Curve Fit: **AVERAGE RF**

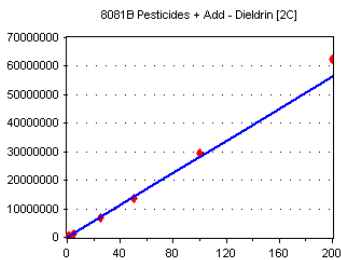


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	126564	253128.000	8.34
OJ14056-CAL2	1	220968	220968.000	8.34
OJ14056-CAL3	2	421233	210616.500	8.34
OJ14056-CAL4	5	998320	199664.000	8.34
OJ14056-CAL6	25	4795425	191817.000	8.34
OJ14056-CAL7	50	9684792	193695.800	8.34
OJ14056-CAL8	100	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**

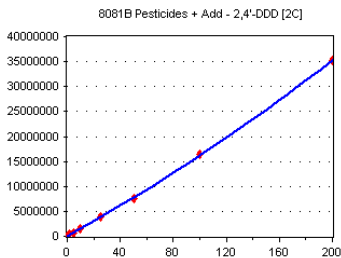


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	151375	302750.000	8.35
OJ14056-CAL2	1	268257	268257.000	8.35
OJ14056-CAL3	2	530524	265262.000	8.35
OJ14056-CAL4	5	1308319	261663.800	8.35
OJ14056-CAL6	25	6716667	268666.700	8.35
OJ14056-CAL7	50	1.374707E+07	274941.400	8.35
OJ14056-CAL8	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**

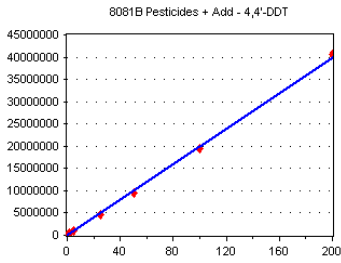
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

4,4'-DDT

Curve Fit: **AVERAGE RF**

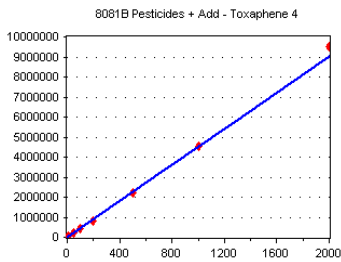


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	113864	227728.000	8.41
OJ14056-CAL2	1	203498	203498.000	8.41
OJ14056-CAL3	2	400654	200327.000	8.41
OJ14056-CAL4	5	957319	191463.800	8.41
OJ14056-CAL6	25	4593721	183748.800	8.41
OJ14056-CAL7	50	9547128	190942.600	8.41
OJ14056-CAL8	100	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**

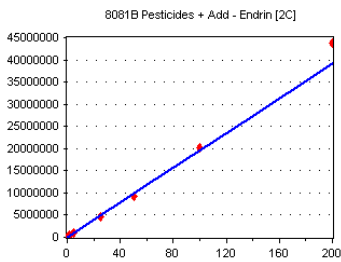


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	49818	4981.800	8.57
OJ14056-CALR	50	219607	4392.140	8.57
OJ14056-CALS	100	442500	4425.000	8.57
OJ14056-CALT	200	806552	4032.760	8.57
OJ14056-CALU	500	2211804	4423.608	8.57
OJ14056-CALV	1000	4563231	4563.231	8.57
OJ14056-CALW	2000	9513358	4756.679	8.57

AVE RF 4510.745 **RF RSD** 6.67 **AVE RT** 8.57

Endrin [2C]

Curve Fit: **AVERAGE RF**

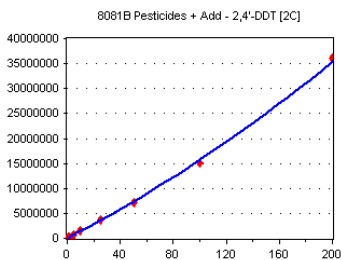


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	109506	219012.000	8.57
OJ14056-CAL2	1	185759	185759.000	8.57
OJ14056-CAL3	2	373106	186553.000	8.57
OJ14056-CAL4	5	918333	183666.600	8.57
OJ14056-CAL6	25	4516170	180646.800	8.57
OJ14056-CAL7	50	9319162	186383.200	8.57
OJ14056-CAL8	100	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**

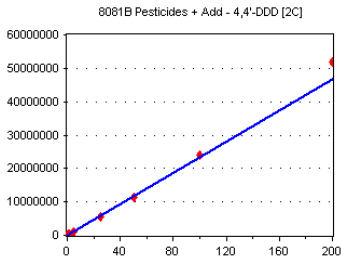
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

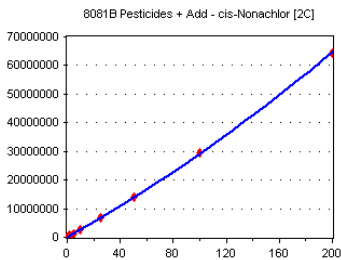


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	129395	258790.000	8.62
OJ14056-CAL2	1	227533	227533.000	8.62
OJ14056-CAL3	2	442696	221348.000	8.62
OJ14056-CAL4	5	1078020	215604.000	8.62
OJ14056-CAL6	25	5395697	215827.900	8.62
OJ14056-CAL7	50	1.143141E+07	228628.200	8.61
OJ14056-CAL8	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**

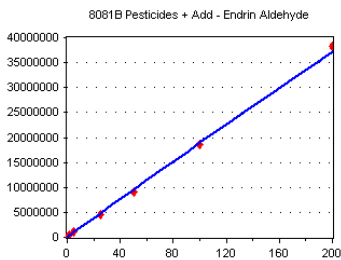


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	188367	376734.000	8.62
OJ14056-CALB	1	335608	335608.000	8.62
OJ14056-CALC	2	572924	286462.000	8.62
OJ14056-CALD	5	1270505	254101.000	8.62
OJ14056-CALE	10	2688062	268806.200	8.62
OJ14056-CALF	25	6980137	279205.500	8.62
OJ14056-CALG	50	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**

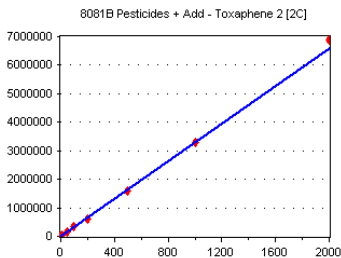


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	161066	322132.000	8.63
OJ14056-CAL2	1	267831	267831.000	8.64
OJ14056-CAL3	2	510289	255144.500	8.64
OJ14056-CAL4	5	998718	199743.600	8.63
OJ14056-CAL6	25	4543966	181758.600	8.63
OJ14056-CAL7	50	9134784	182695.700	8.63
OJ14056-CAL8	100	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	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**

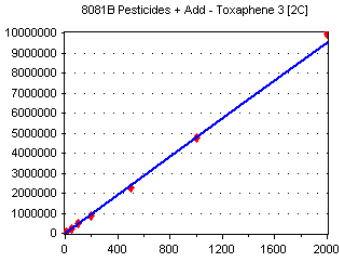
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

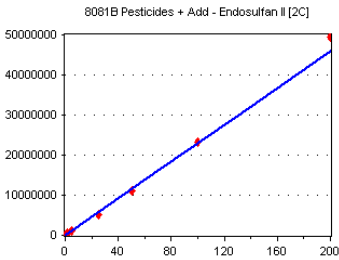


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	55840	5584.000	8.71
OJ14056-CALR	50	234274	4685.480	8.71
OJ14056-CALS	100	467877	4678.770	8.71
OJ14056-CALT	200	849986	4249.930	8.71
OJ14056-CALU	500	2243365	4486.730	8.71
OJ14056-CALV	1000	4734432	4734.432	8.71
OJ14056-CALW	2000	9929921	4964.960	8.71

AVE RF 4769.186 **RF RSD** 8.85 **AVE RT** 8.71

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

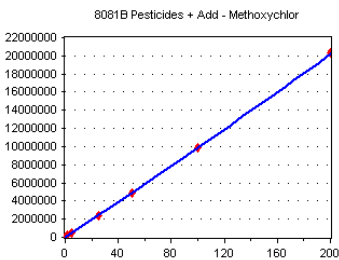


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	131578	263156.000	8.72
OJ14056-CAL2	1	234183	234183.000	8.72
OJ14056-CAL3	2	439713	219856.500	8.72
OJ14056-CAL4	5	1038306	207661.200	8.72
OJ14056-CAL6	25	5241221	209648.800	8.72
OJ14056-CAL7	50	1.107484E+07	221496.800	8.72
OJ14056-CAL8	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**

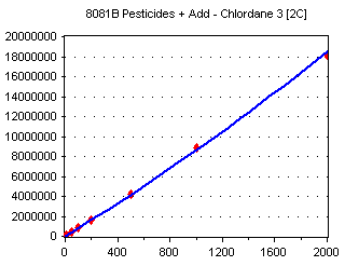


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	66721	133442.000	8.74
OJ14056-CAL2	1	114664	114664.000	8.74
OJ14056-CAL3	2	215205	107602.500	8.74
OJ14056-CAL4	5	514454	102890.800	8.74
OJ14056-CAL6	25	2377939	95117.560	8.74
OJ14056-CAL7	50	4827454	96549.080	8.74
OJ14056-CAL8	100	9873445	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	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**

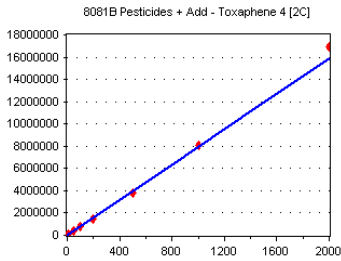
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 4 [2C]

Curve Fit: **AVERAGE RF**

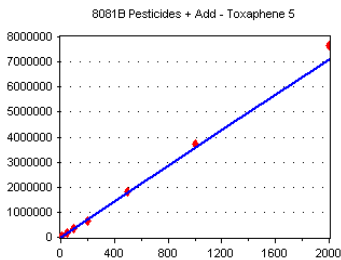


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	90741	9074.100	8.77
OJ14056-CALR	50	377227	7544.540	8.77
OJ14056-CALS	100	752568	7525.680	8.77
OJ14056-CALT	200	1427424	7137.120	8.77
OJ14056-CALU	500	3834253	7668.506	8.78
OJ14056-CALV	1000	8114254	8114.254	8.77
OJ14056-CALW	2000	1.691179E+07	8455.895	8.77

AVE RF 7931.442 **RF RSD** 8.35 **AVE RT** 8.77

Toxaphene 5

Curve Fit: **AVERAGE RF**

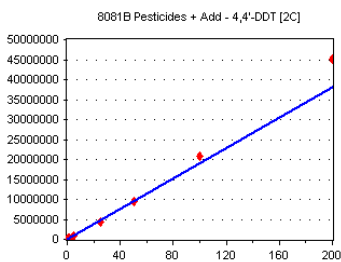


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	36261	3626.100	8.80
OJ14056-CALR	50	170790	3415.800	8.80
OJ14056-CALS	100	346542	3465.420	8.80
OJ14056-CALT	200	636088	3180.440	8.80
OJ14056-CALU	500	1826728	3653.456	8.80
OJ14056-CALV	1000	3713660	3713.660	8.80
OJ14056-CALW	2000	7646412	3823.206	8.80

AVE RF 3554.012 **RF RSD** 6.07 **AVE RT** 8.80

4,4'-DDT [2C]

Curve Fit: **AVERAGE RF**

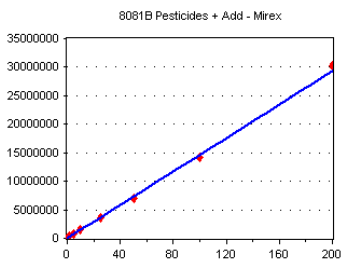


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	98085	196170.000	8.84
OJ14056-CAL2	1	176159	176159.000	8.84
OJ14056-CAL3	2	357211	178605.500	8.84
OJ14056-CAL4	5	864502	172900.400	8.84
OJ14056-CAL6	25	4376201	175048.000	8.84
OJ14056-CAL7	50	9551259	191025.200	8.84
OJ14056-CAL8	100	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**

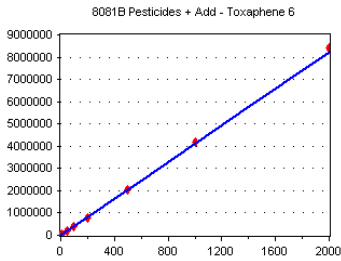
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Toxaphene 6

Curve Fit: **AVERAGE RF**

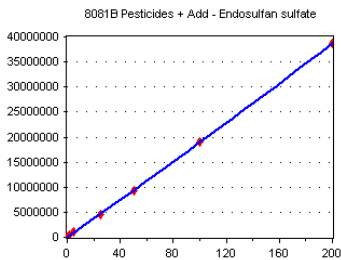


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALQ	10	45002	4500.200	8.87
OJ14056-CALR	50	200646	4012.920	8.87
OJ14056-CALS	100	399552	3995.520	8.87
OJ14056-CALT	200	764046	3820.230	8.87
OJ14056-CALU	500	2040358	4080.716	8.87
OJ14056-CALV	1000	4173509	4173.509	8.87
OJ14056-CALW	2000	8420013	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**

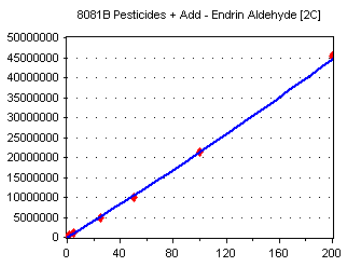


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	136316	272632.000	8.94
OJ14056-CAL2	1	224706	224706.000	8.94
OJ14056-CAL3	2	418629	209314.500	8.94
OJ14056-CAL4	5	988428	197685.600	8.94
OJ14056-CAL6	25	4608552	184342.100	8.94
OJ14056-CAL7	50	9319195	186383.900	8.94
OJ14056-CAL8	100	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**

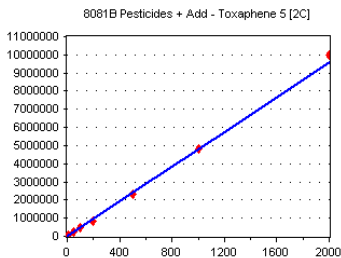


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	161530	323060.000	8.95
OJ14056-CAL2	1	281603	281603.000	8.95
OJ14056-CAL3	2	521610	260805.000	8.95
OJ14056-CAL4	5	1018074	203614.800	8.95
OJ14056-CAL6	25	4863133	194525.300	8.95
OJ14056-CAL7	50	1.012985E+07	202597.000	8.95
OJ14056-CAL8	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**

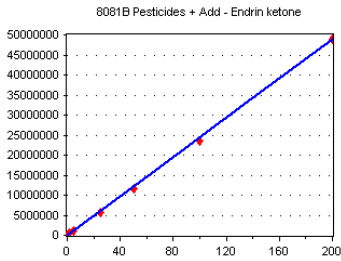
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Endrin ketone

Curve Fit: **AVERAGE RF**

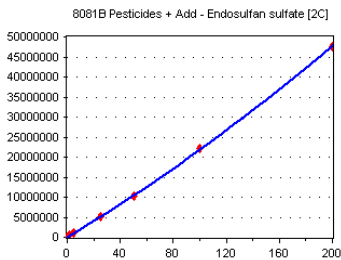


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	143156	286312.000	9.14
OJ14056-CAL2	1	256580	256580.000	9.14
OJ14056-CAL3	2	490417	245208.500	9.14
OJ14056-CAL4	5	1160086	232017.200	9.14
OJ14056-CAL6	25	5699447	227977.900	9.14
OJ14056-CAL7	50	1.151973E+07	230394.600	9.14
OJ14056-CAL8	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**

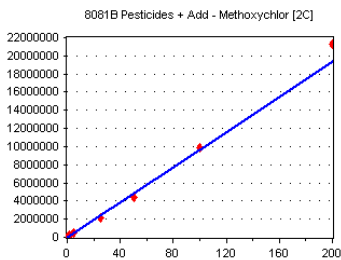


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	143250	286500.000	9.14
OJ14056-CAL2	1	235751	235751.000	9.15
OJ14056-CAL3	2	437332	218666.000	9.15
OJ14056-CAL4	5	1052641	210528.200	9.14
OJ14056-CAL6	25	5172587	206903.500	9.15
OJ14056-CAL7	50	1.030511E+07	206102.200	9.14
OJ14056-CAL8	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**

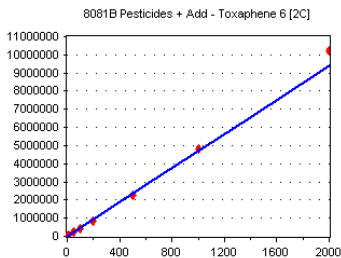


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	56609	113218.000	9.31
OJ14056-CAL2	1	99371	99371.000	9.31
OJ14056-CAL3	2	189005	94502.500	9.31
OJ14056-CAL4	5	439519	87903.800	9.31
OJ14056-CAL6	25	2132144	85285.760	9.31
OJ14056-CAL7	50	4372733	87454.660	9.31
OJ14056-CAL8	100	9914061	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**

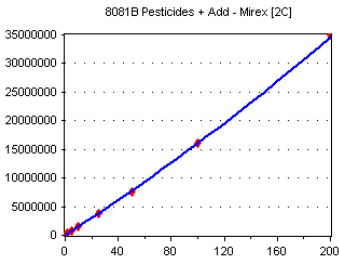
Calibration Date: **10/15/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20101**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

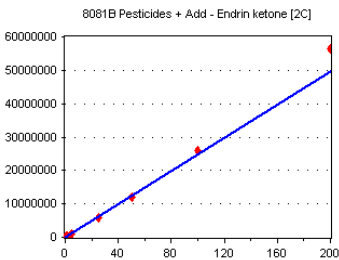


Standard	Concentration	Response	Response Factor	RT
OJ14056-CALA	0.5	124073	248146.000	9.52
OJ14056-CALB	1	218149	218149.000	9.52
OJ14056-CALC	2	358541	179270.500	9.52
OJ14056-CALD	5	768030	153606.000	9.52
OJ14056-CALE	10	1539687	153968.700	9.52
OJ14056-CALF	25	3817069	152682.800	9.52
OJ14056-CALG	50	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**

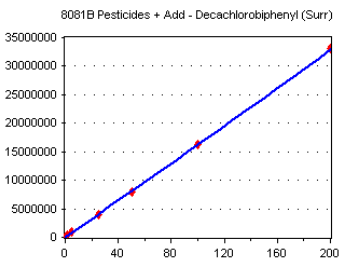


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	141257	282514.000	9.53
OJ14056-CAL2	1	241014	241014.000	9.53
OJ14056-CAL3	2	461874	230937.000	9.53
OJ14056-CAL4	5	1114109	222821.800	9.53
OJ14056-CAL6	25	5694932	227797.300	9.53
OJ14056-CAL7	50	1.199701E+07	239940.200	9.53
OJ14056-CAL8	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**

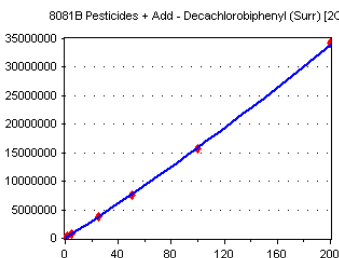


Standard	Concentration	Response	Response Factor	RT
OJ14056-CAL1	0.5	127242	254484.000	9.81
OJ14056-CAL2	1	210456	210456.000	9.81
OJ14056-CAL3	2	375364	187682.000	9.81
OJ14056-CAL4	5	864759	172951.800	9.81
OJ14056-CAL6	25	3915613	156624.500	9.81
OJ14056-CAL7	50	7973046	159460.900	9.81
OJ14056-CAL8	100	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

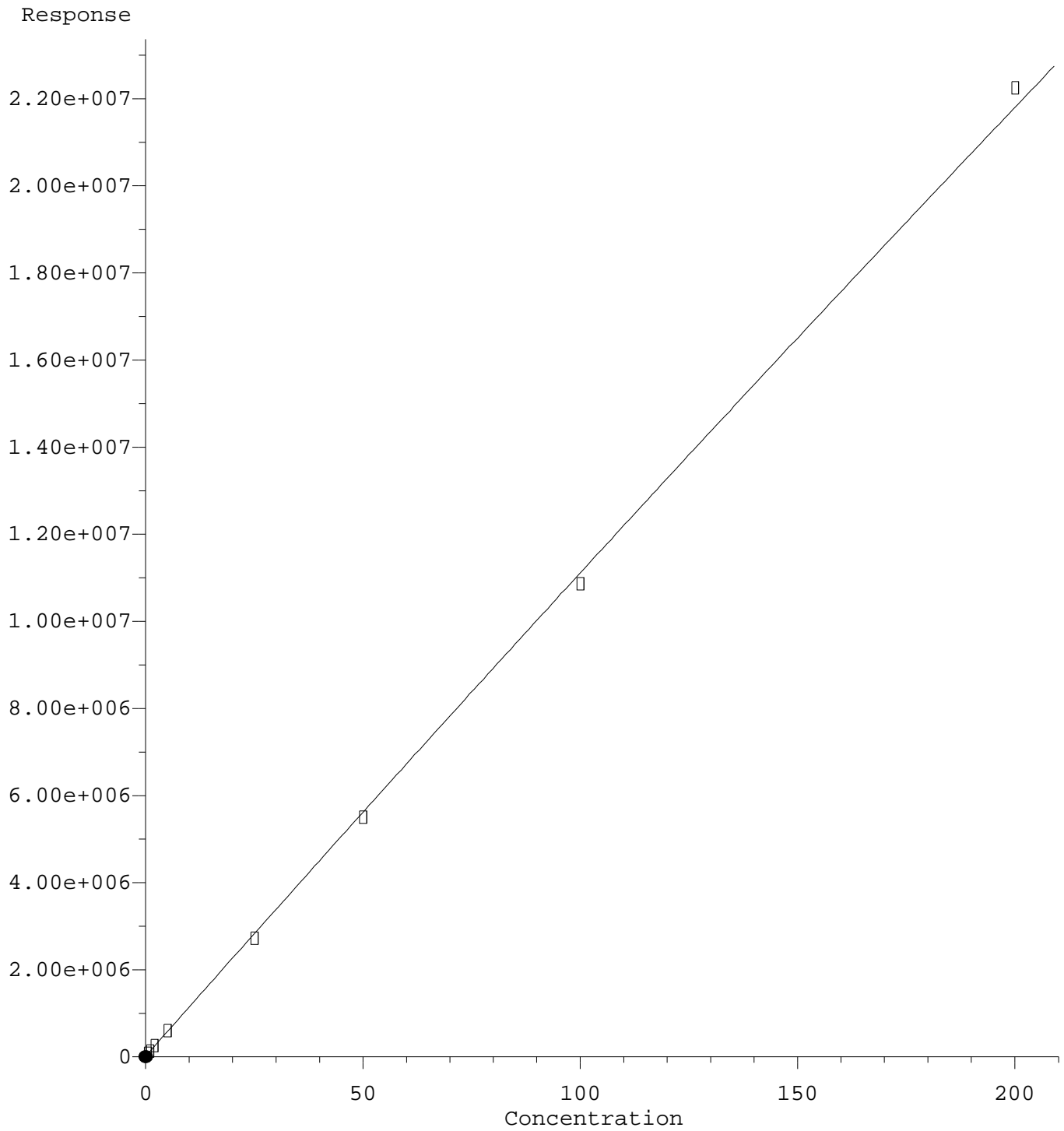
Sequence: **0J14056**

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



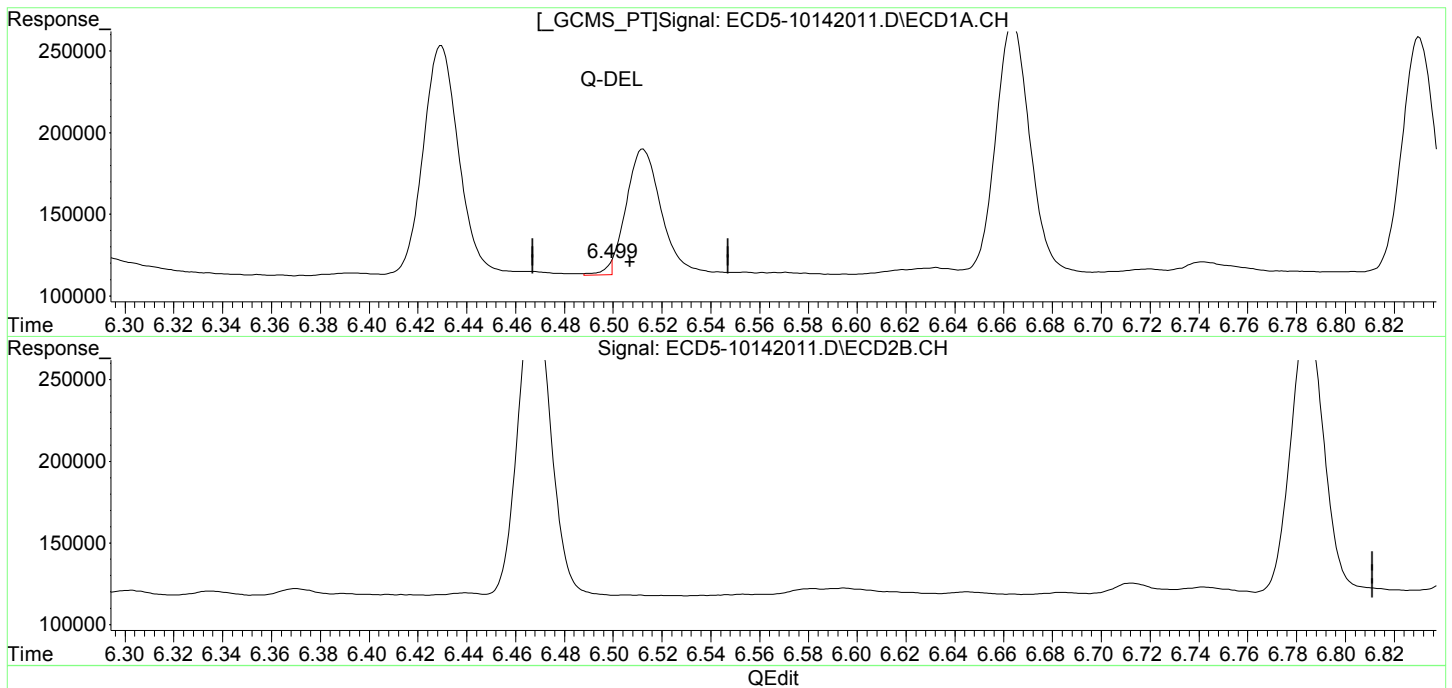
R = -1.99e+001 A*A + 1.13e+005 A + 2.12e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

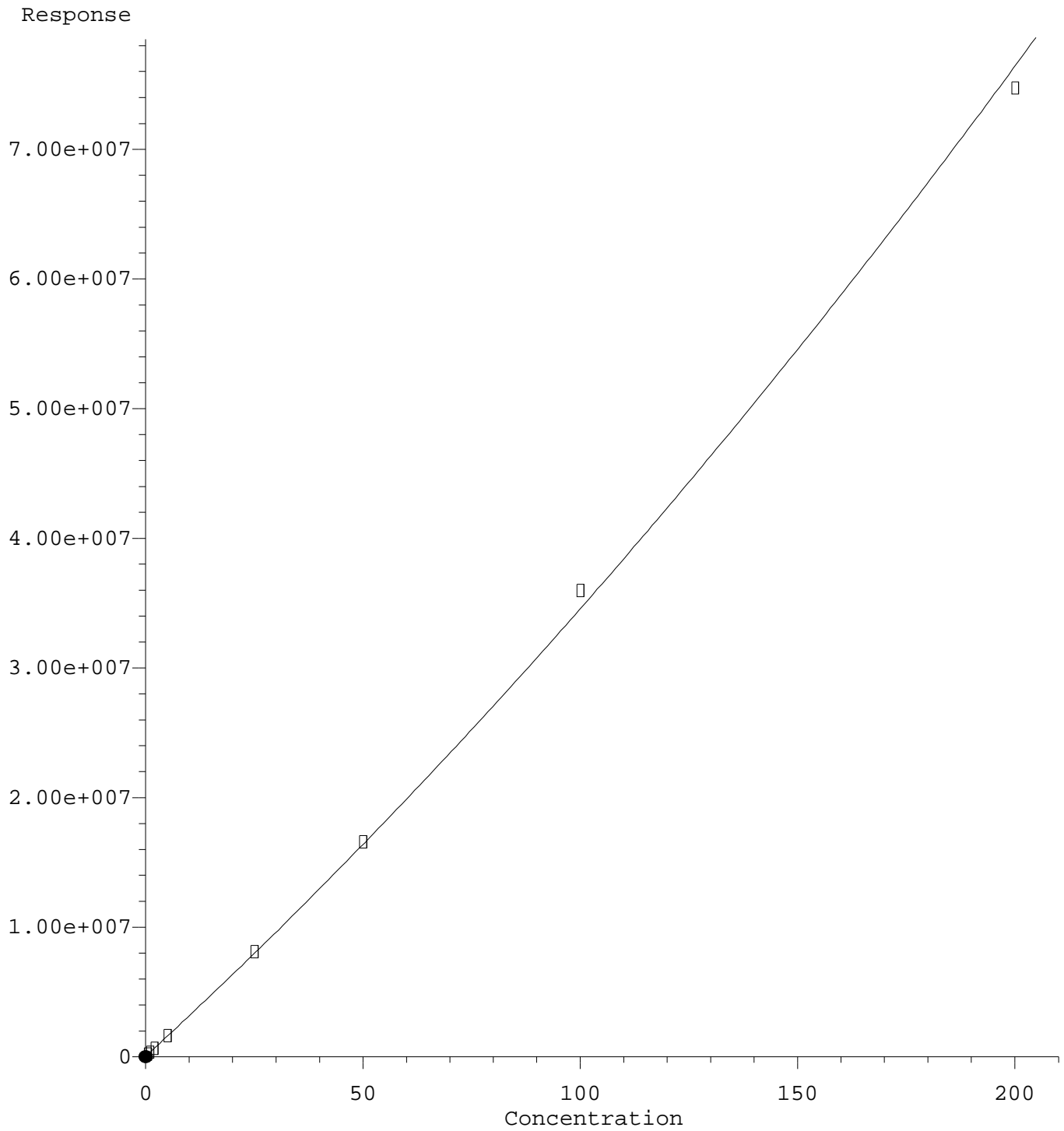


(4) b-BHC
~~6.499min 5685.373 ng/mL m-~~
response 7107

MJB 10/15/20

(4) b-BHC #2
6.853min 0.596 ng/mL
response 90501

d-BHC #2



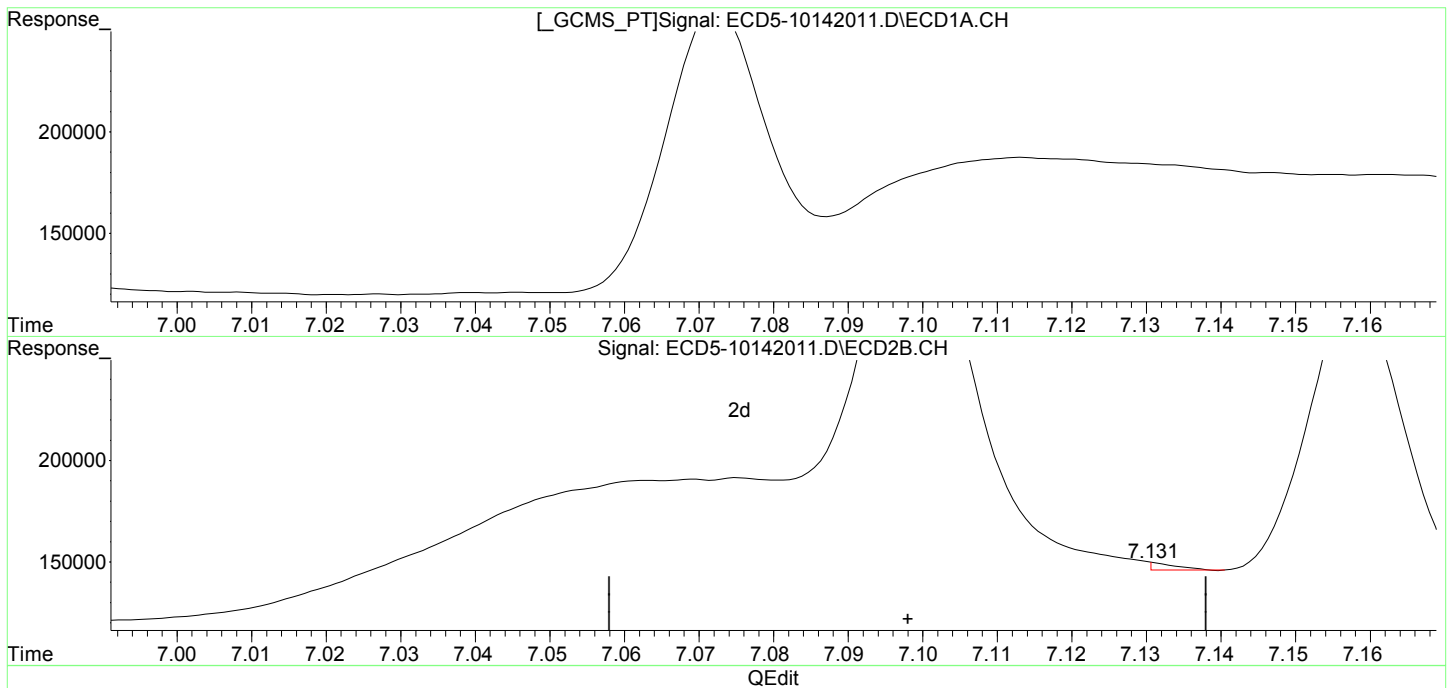
R = 3.70e+002 A*A + 3.08e+005 A + 5.97e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

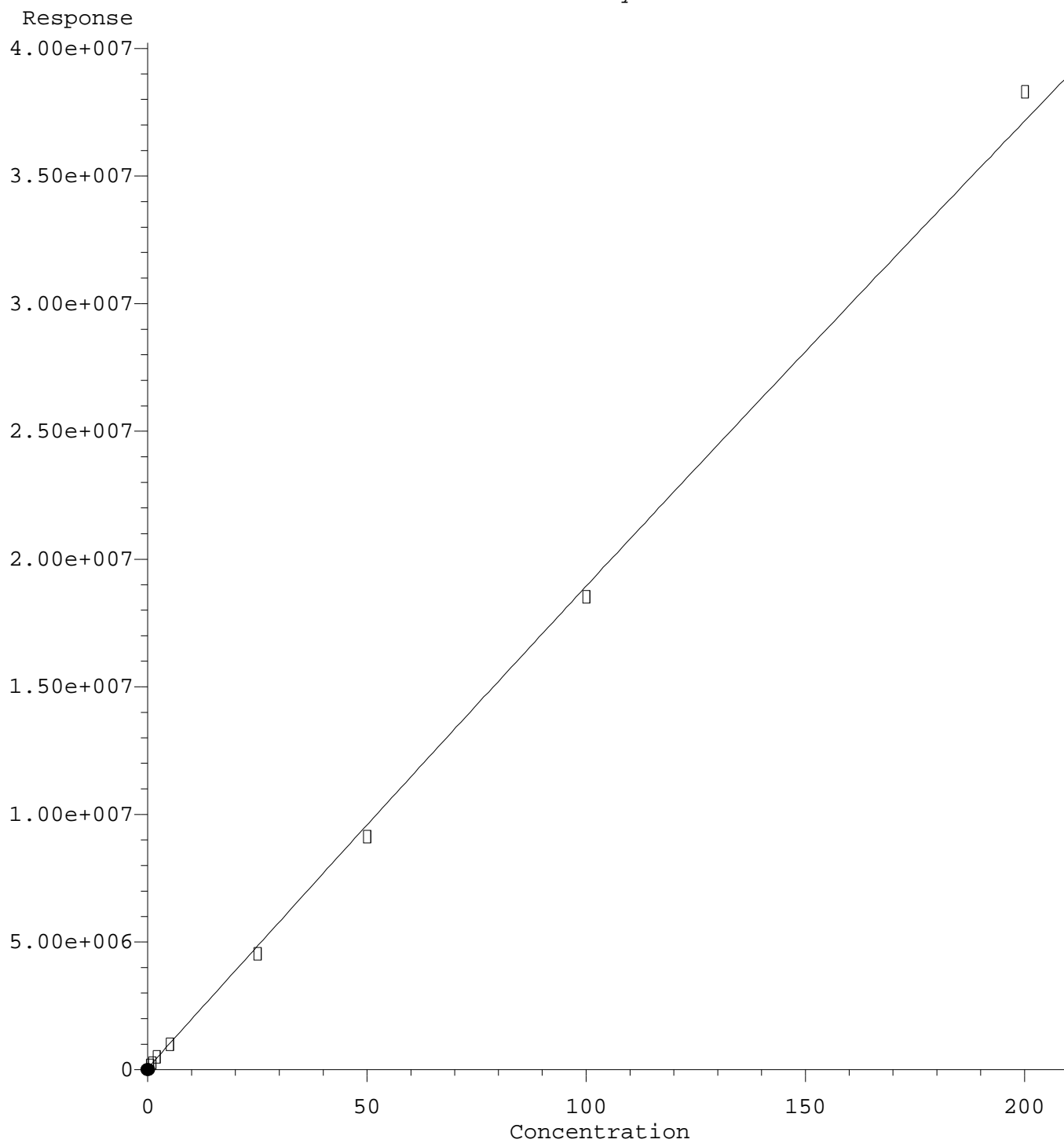


(6) d-BHC
6.664min 0.559 ng/mL
response 153083

MJB 10/15/20

(6) d-BHC #2
7.131min -0.181 ng/mL m
response 3968

Endrin Aldehyde



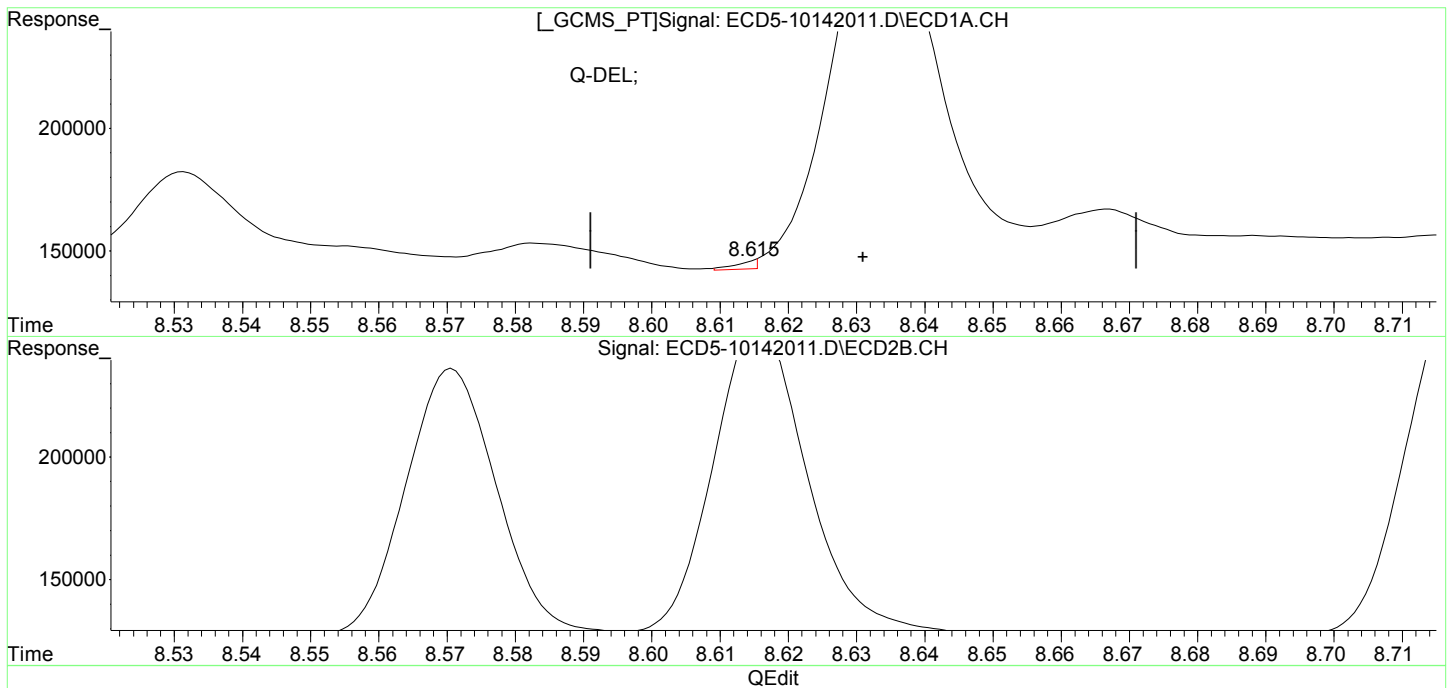
R = -3.19e+001 A*A + 1.92e+005 A + 6.98e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

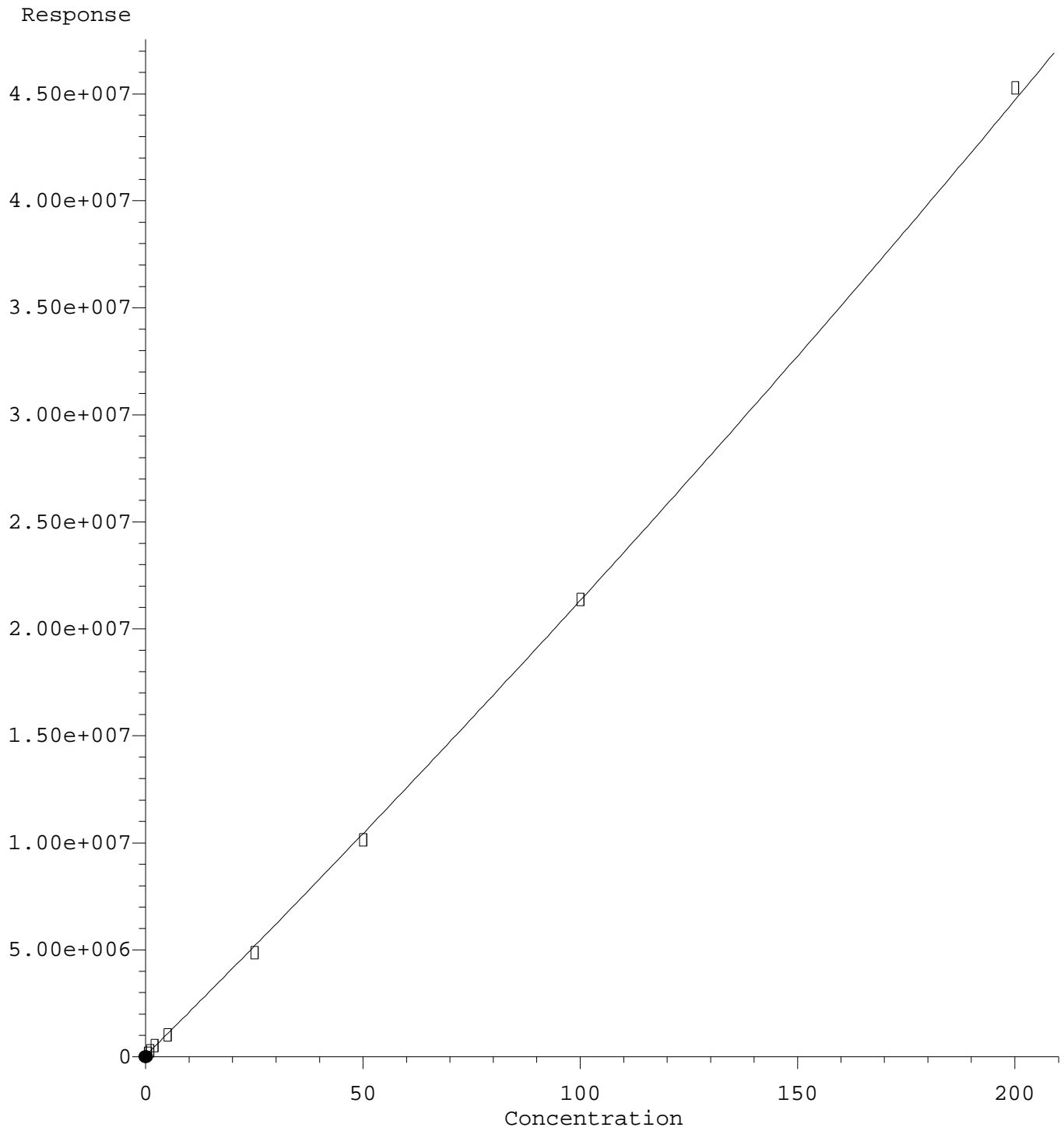


(18) Endrin Aldehyde
~~8.615min 6021.211 ng/mL m-~~
response ~~3457~~

MJB 10/15/20

(18) Endrin Aldehyde #2
8.951min 0.471 ng/mL
response 161530

Endrin Aldehyde #2



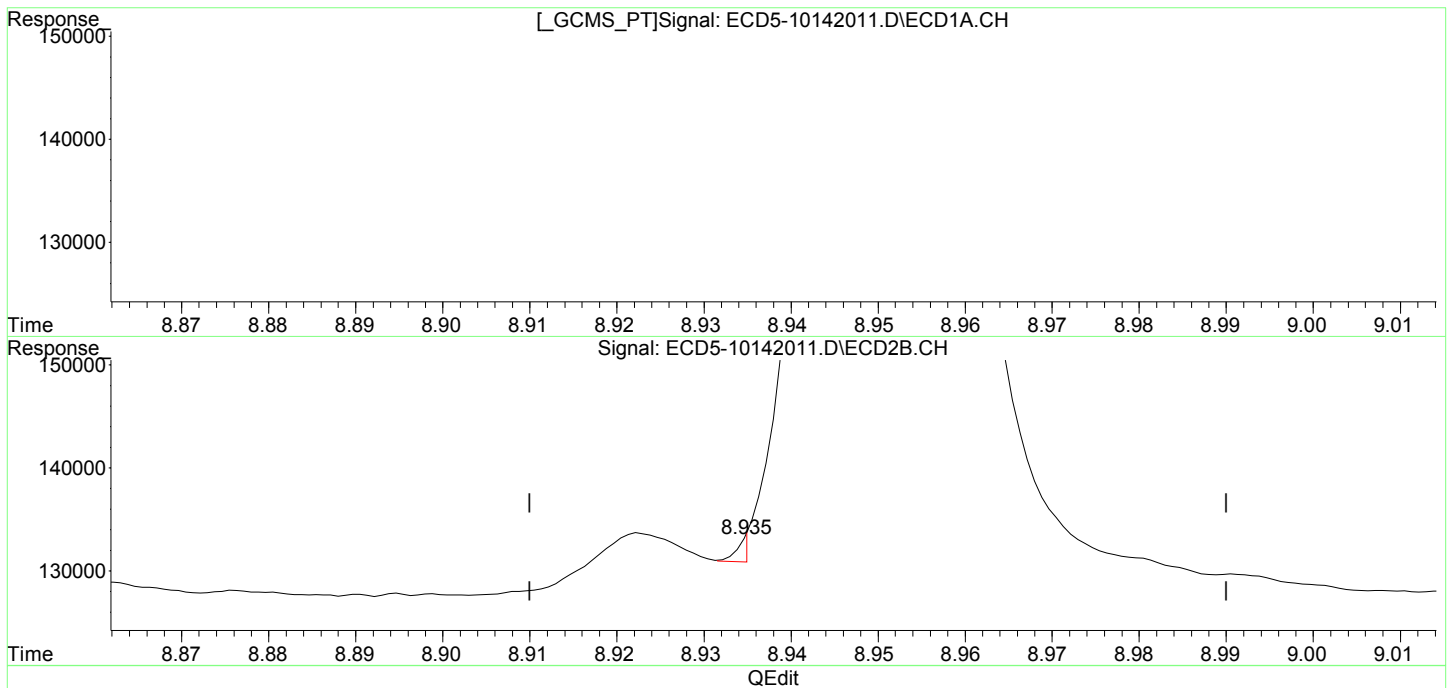
R = 1.07e+002 A*A + 2.02e+005 A + 6.63e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

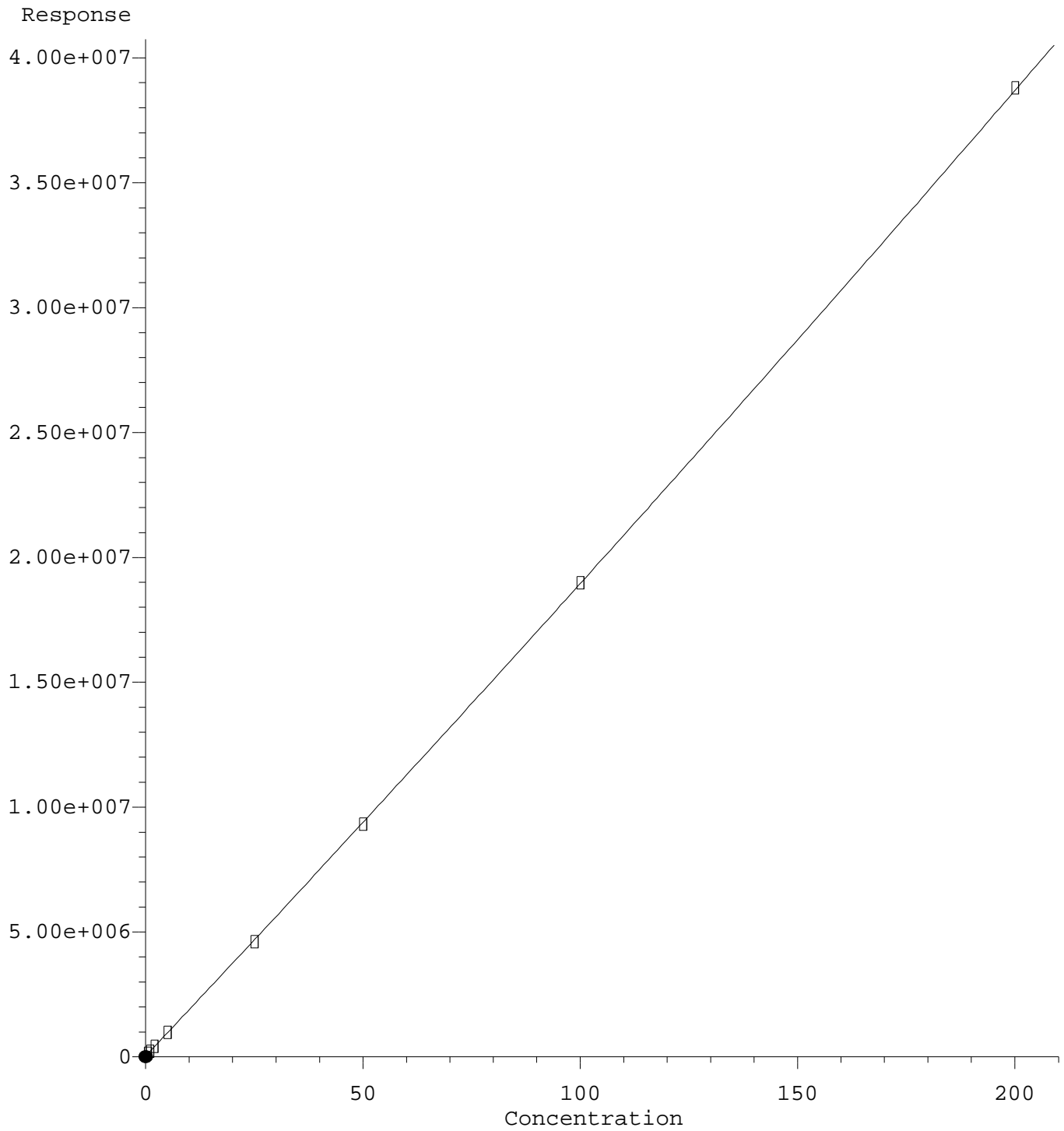


(18) Endrin Aldehyde
8.615min 6021.211 ng/mL m
response 3157

MJB 10/15/20

(18) Endrin Aldehyde #2
8.935min -0.317 ng/mL m
response 2295

Endosulfan Sulfate



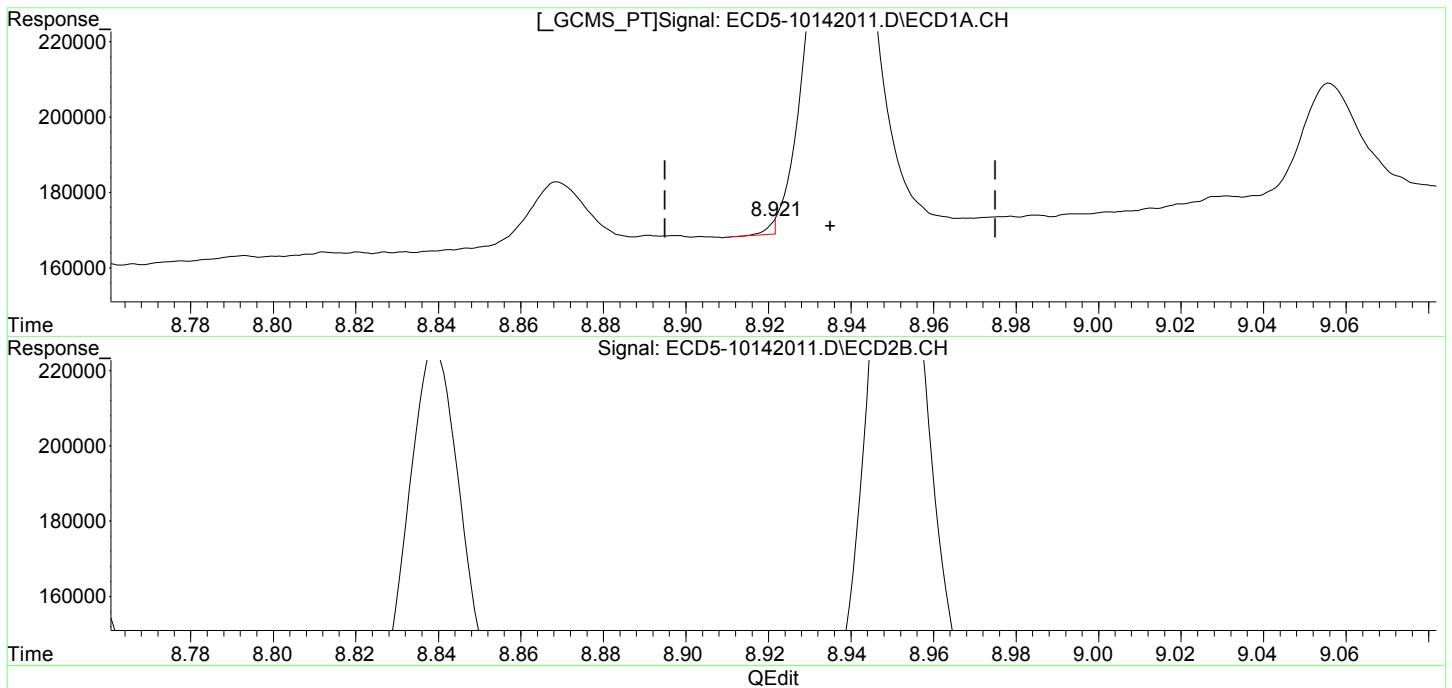
R = 4.26e+001 A*A + 1.85e+005 A + 4.35e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

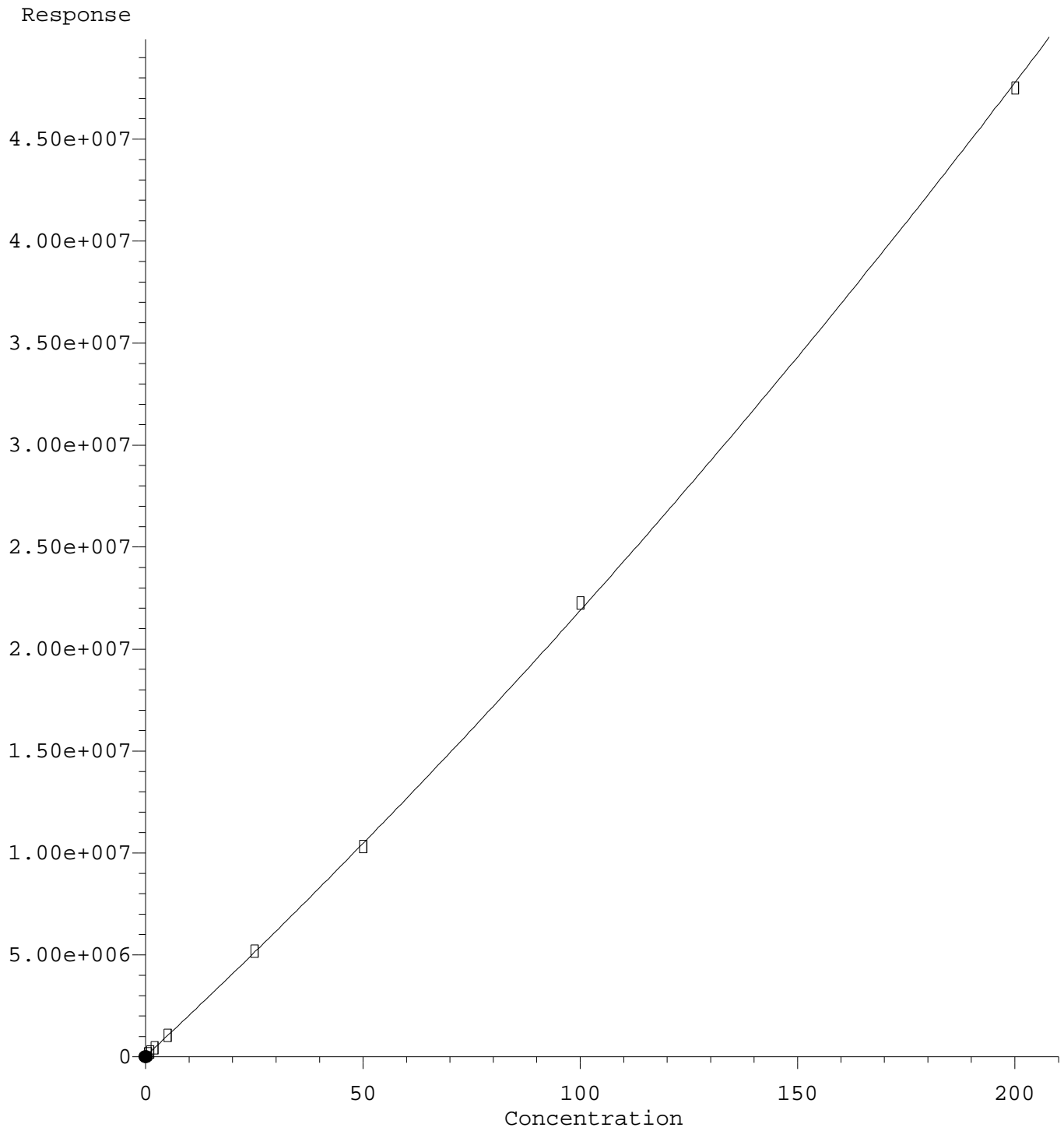


(19) Endosulfan Sulfate
8.921min -0.216 ng/mL m
response 3508

MJB 10/15/20

(19) Endosulfan Sulfate #2
9.144min 0.507 ng/mL
response 143250

Endosulfan Sulfate #2



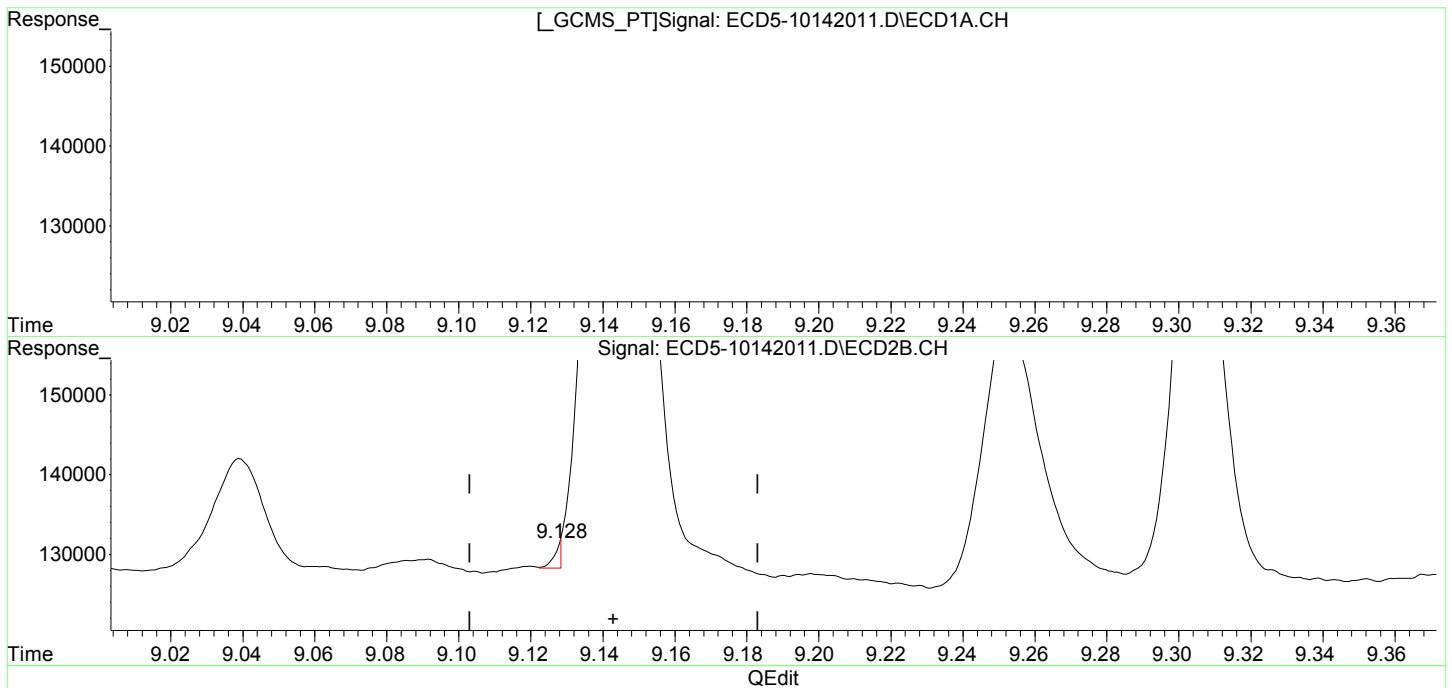
R = 2.03e+002 A*A + 1.98e+005 A + 4.27e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

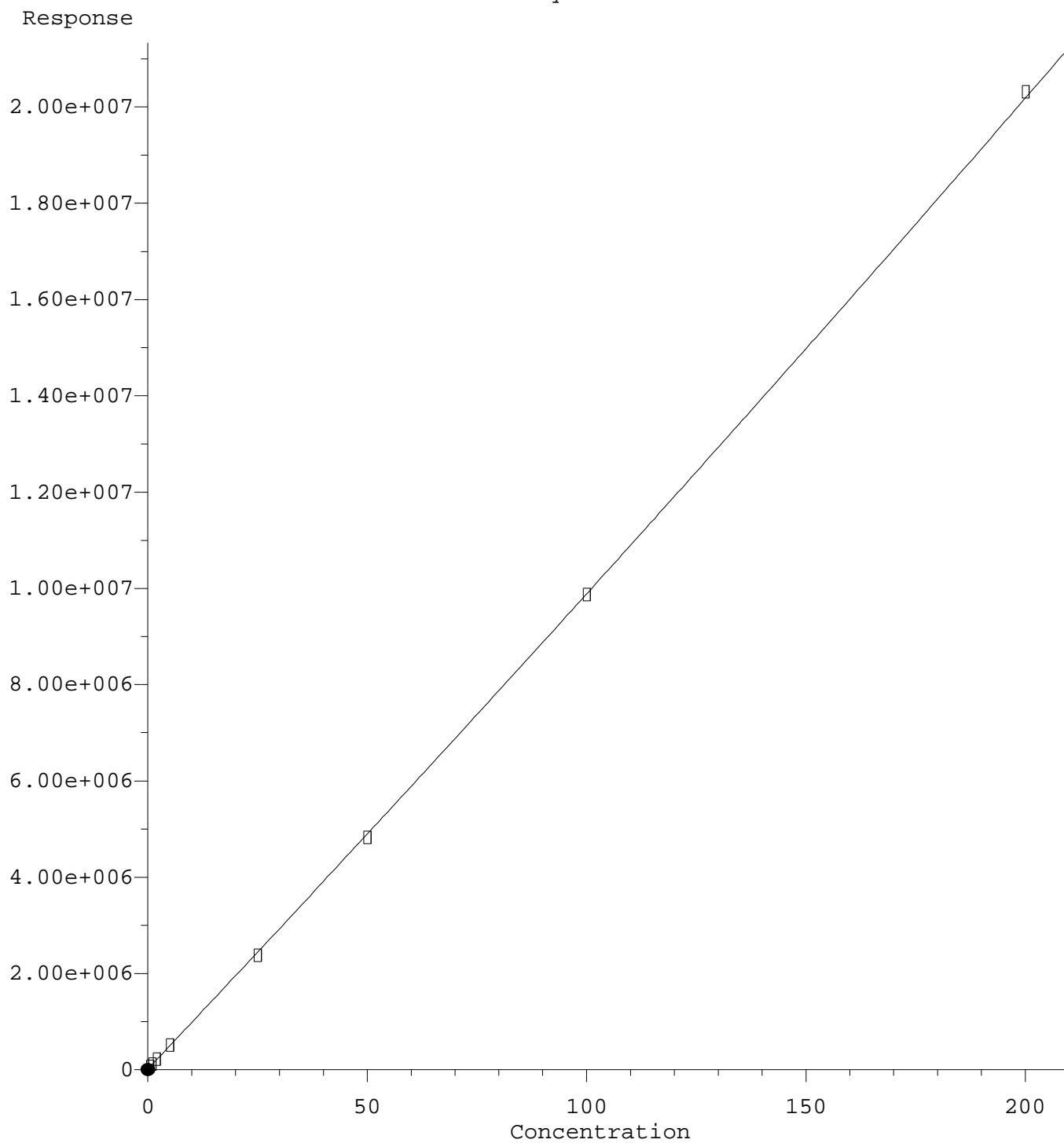


(19) Endosulfan Sulfate
8.921min -0.216 ng/mL m
response 3508

MJB 10/15/20

(19) Endosulfan Sulfate #2
9.128min -0.200 ng/mL m
response 3160

Methoxychlor



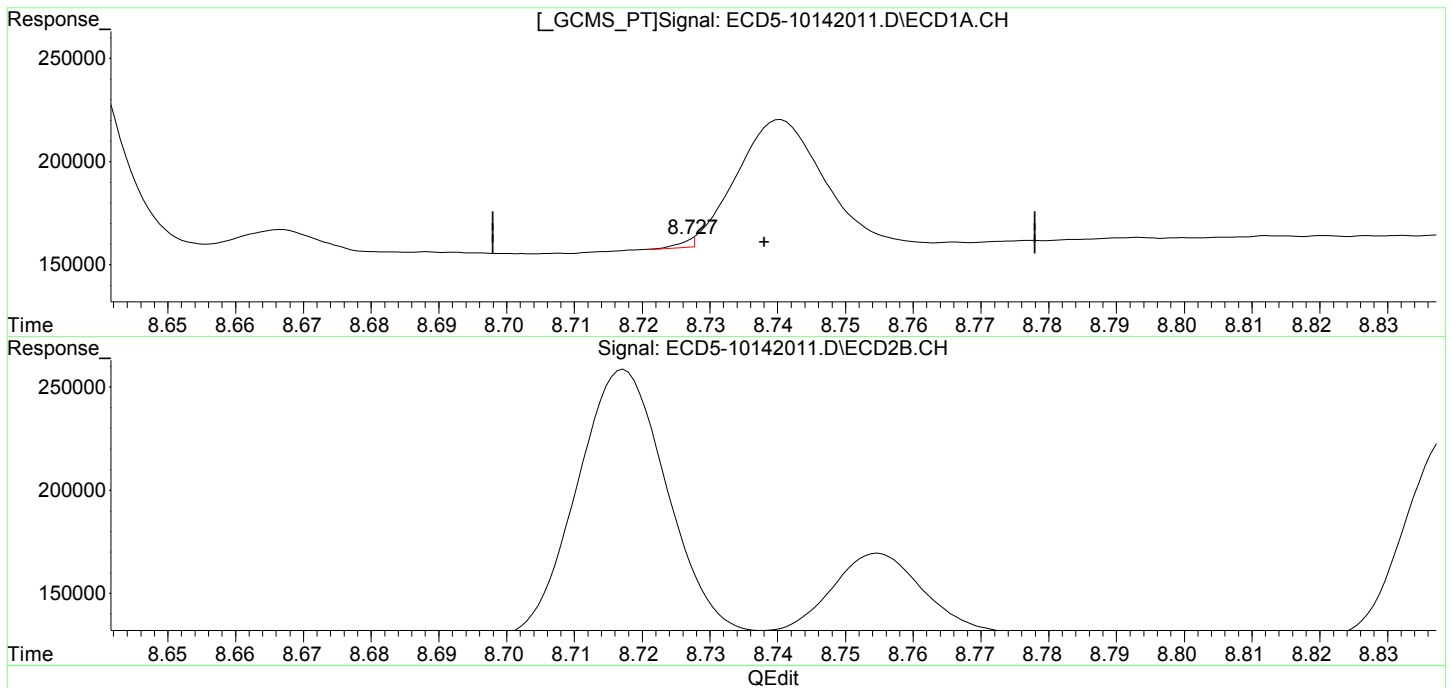
R = 2.20e+001 A*A + 9.65e+004 A + 1.87e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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



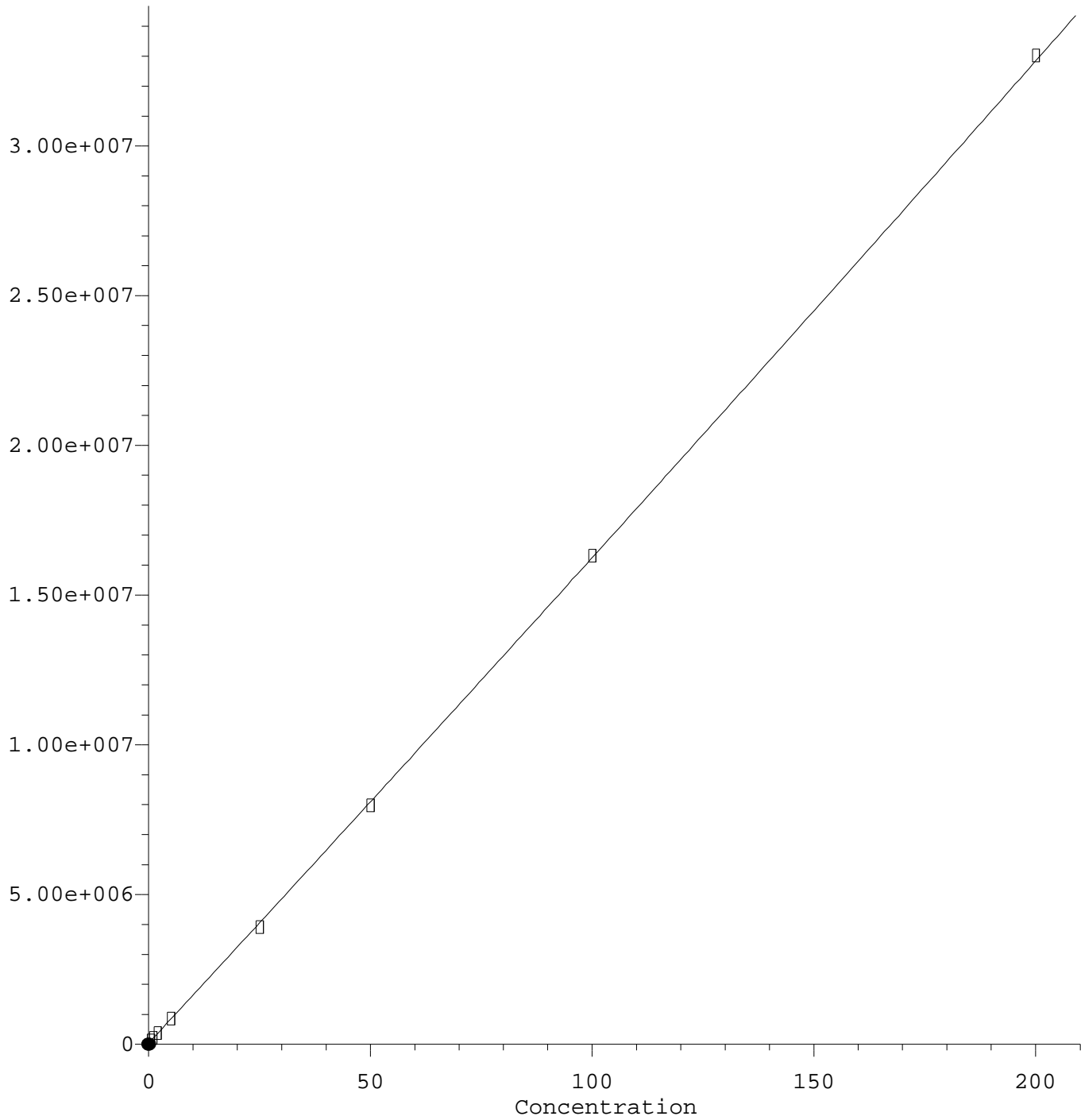
(20) Methoxychlor
8.727min -0.153 ng/mL m
response 3942

MJB 10/15/20

(20) Methoxychlor #2
9.305min 0.586 ng/mL
response 56609

DCBP (S)

Response



$$R = 2.00e+001 A^2 + 1.60e+005 A + 4.83e+004$$

Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a²)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M

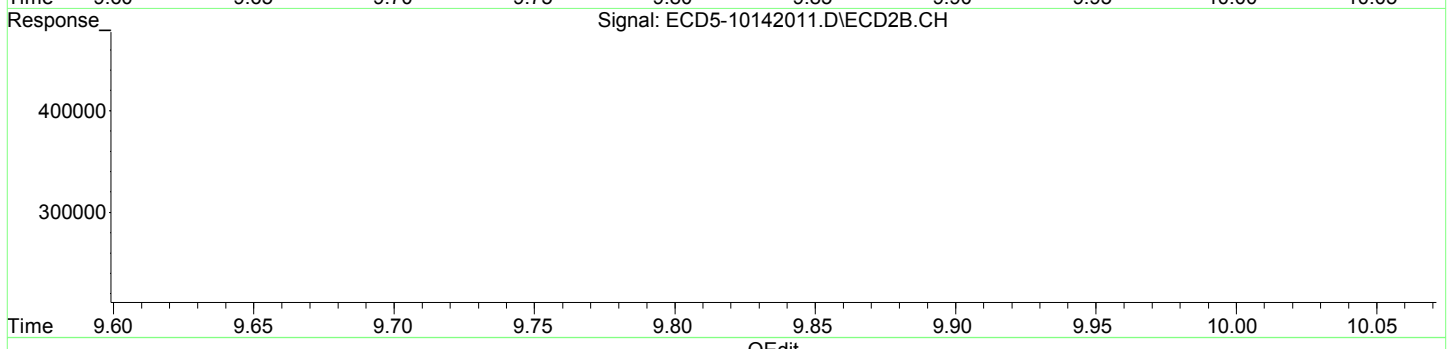
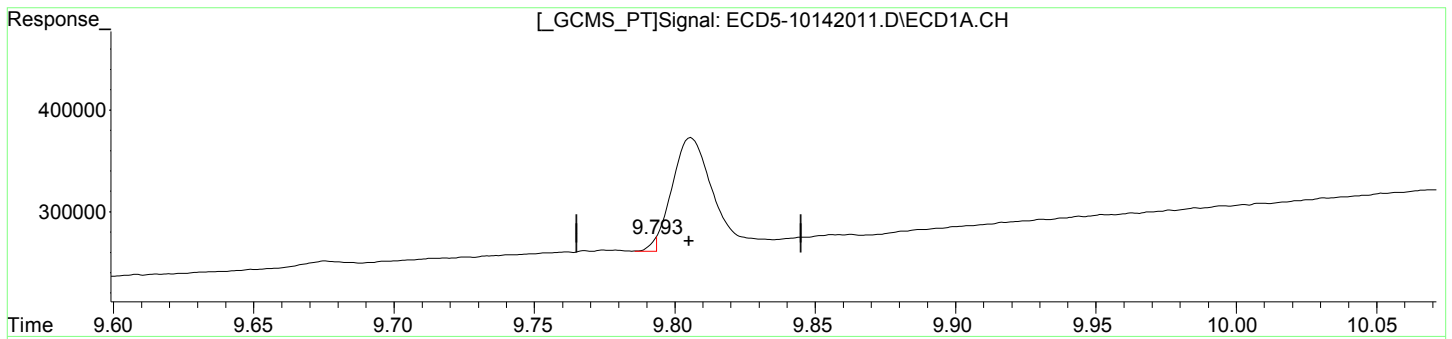
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-10\0J14056\REQUANT\
Data File : ECD5-10142011.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

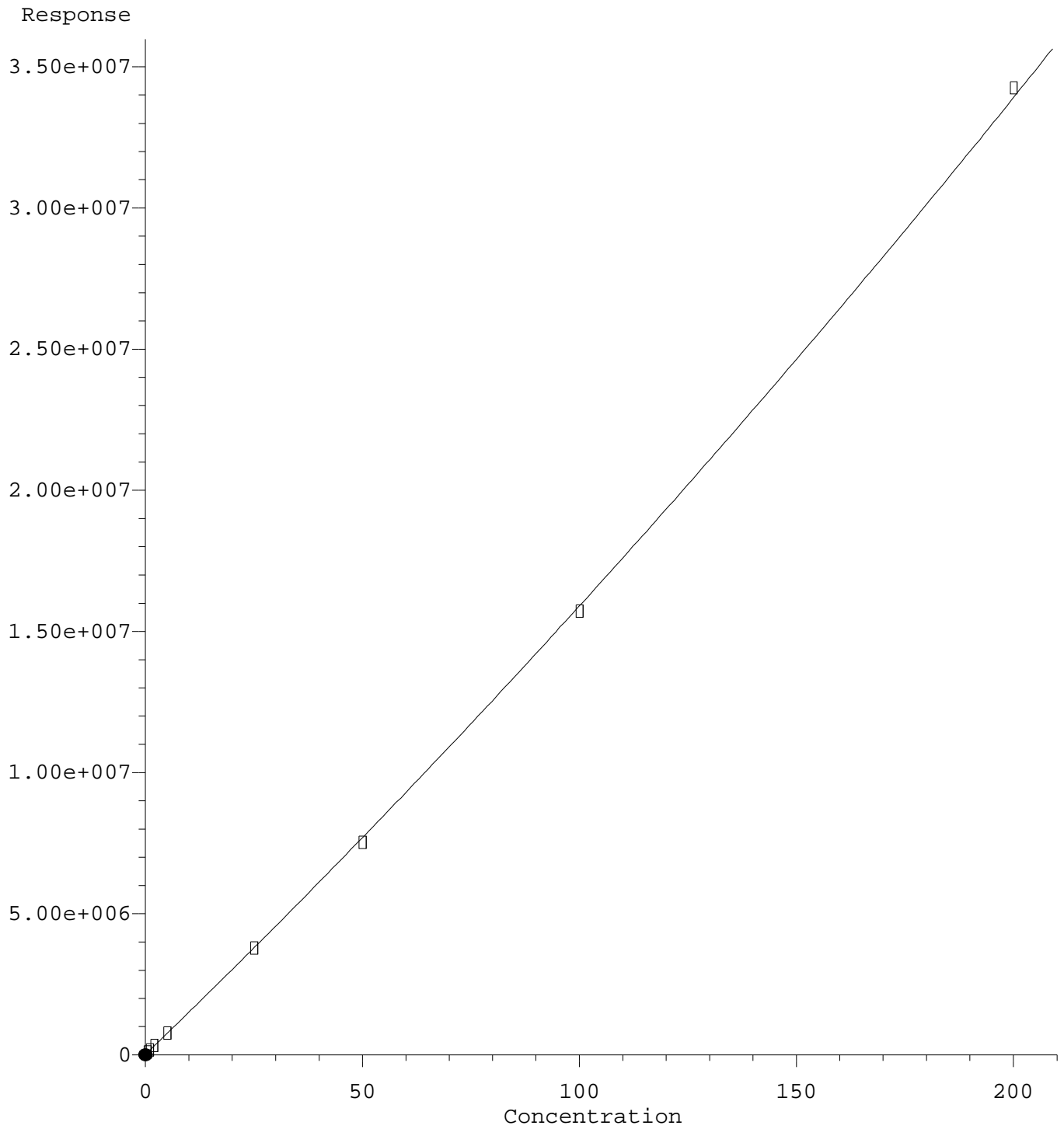


(22) DCBP (S) (S)
9.793min -0.227 ng/mL m
response 12049

MJB 10/15/20

(22) DCBP (S) #2 (S)
10.368min 0.493 ng/mL
response 102135

DCBP (S) #2



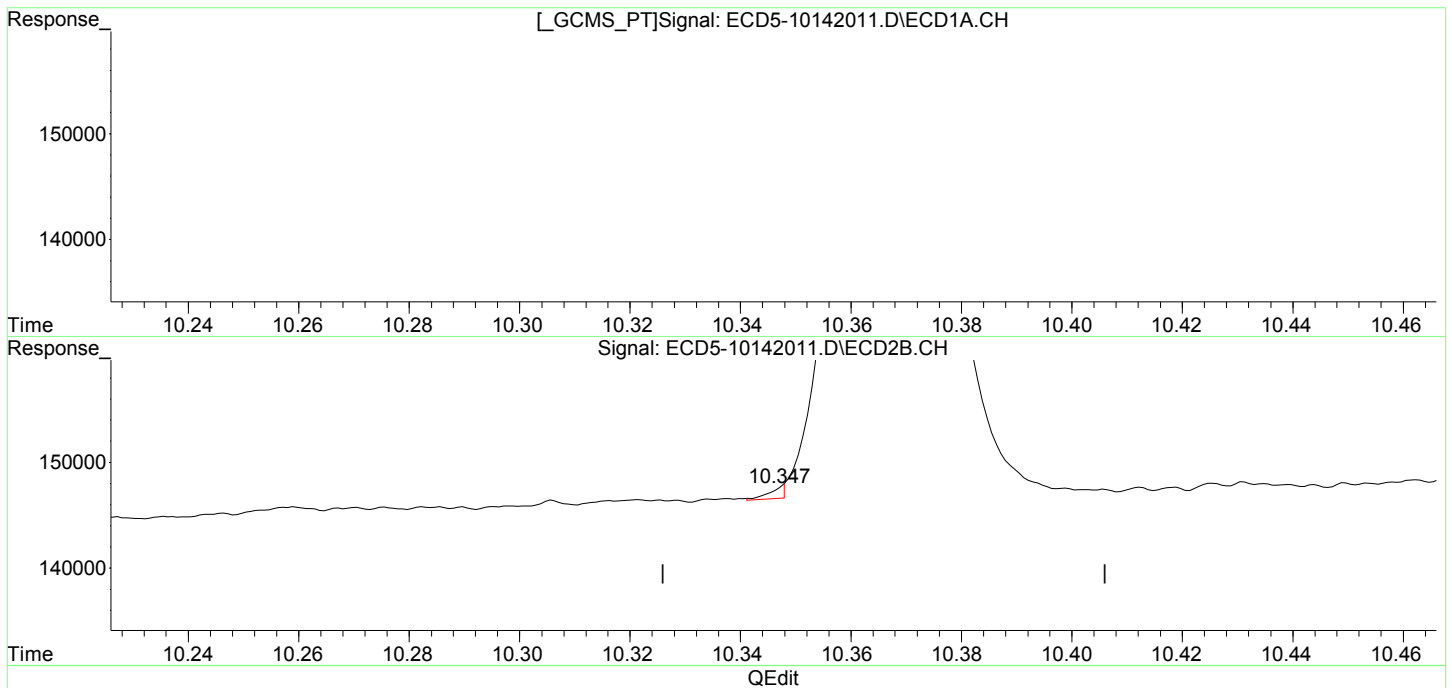
R = 1.07e+002 A*A + 1.48e+005 A + 2.92e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

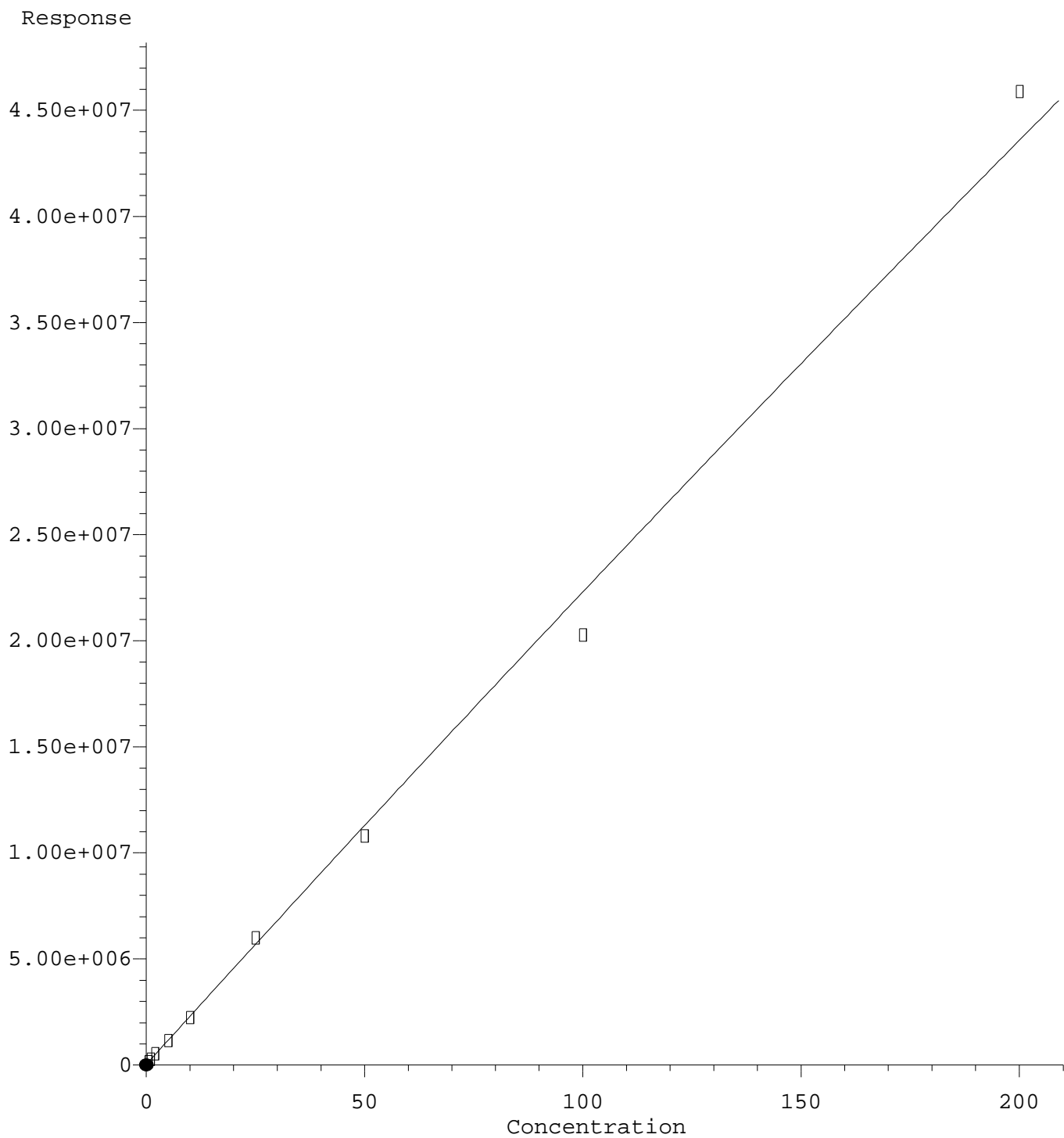


(22) DCBP (S) (S)
9.793min -0.227 ng/mL m
response 12049

MJB 10/15/20

(22) DCBP (S) #2 (S)
10.347min -0.190 ng/mL m
response 1030

Hexachlorobutadiene



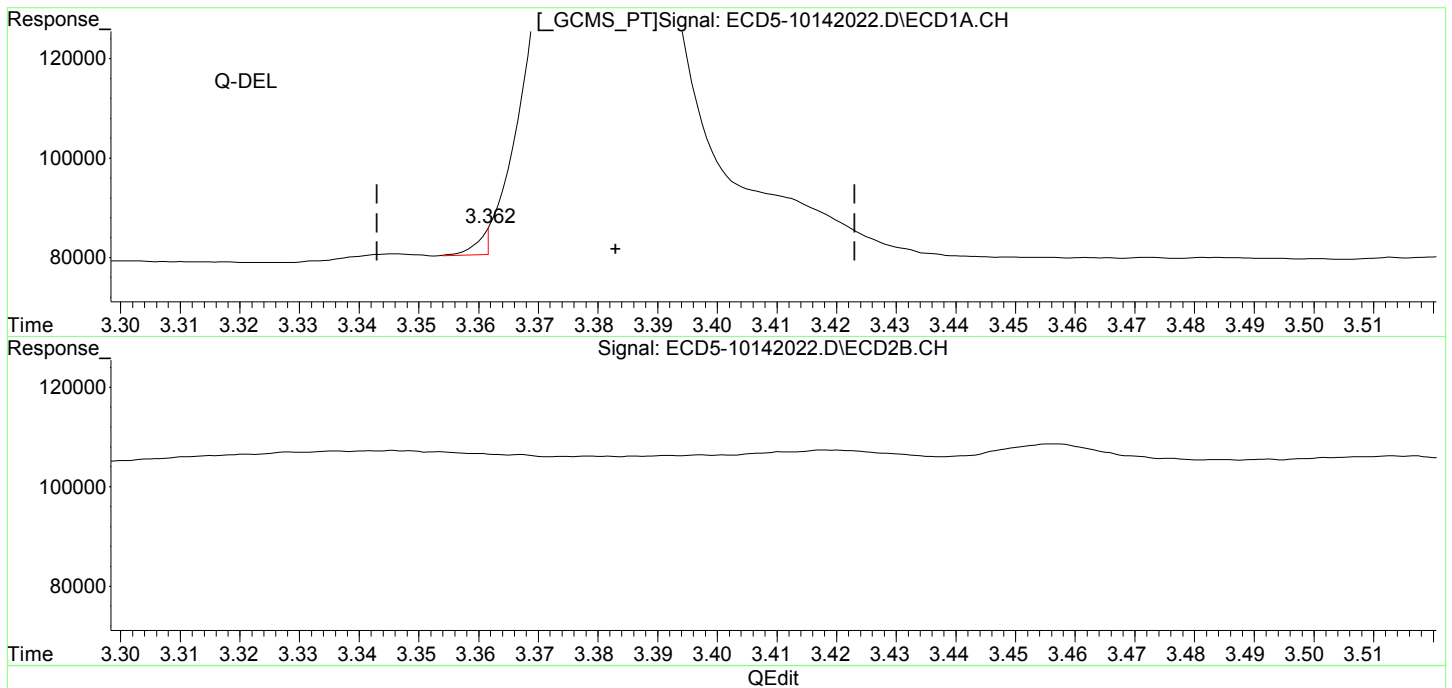
R = -4.77e+001 A*A + 2.27e+005 A + 4.06e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

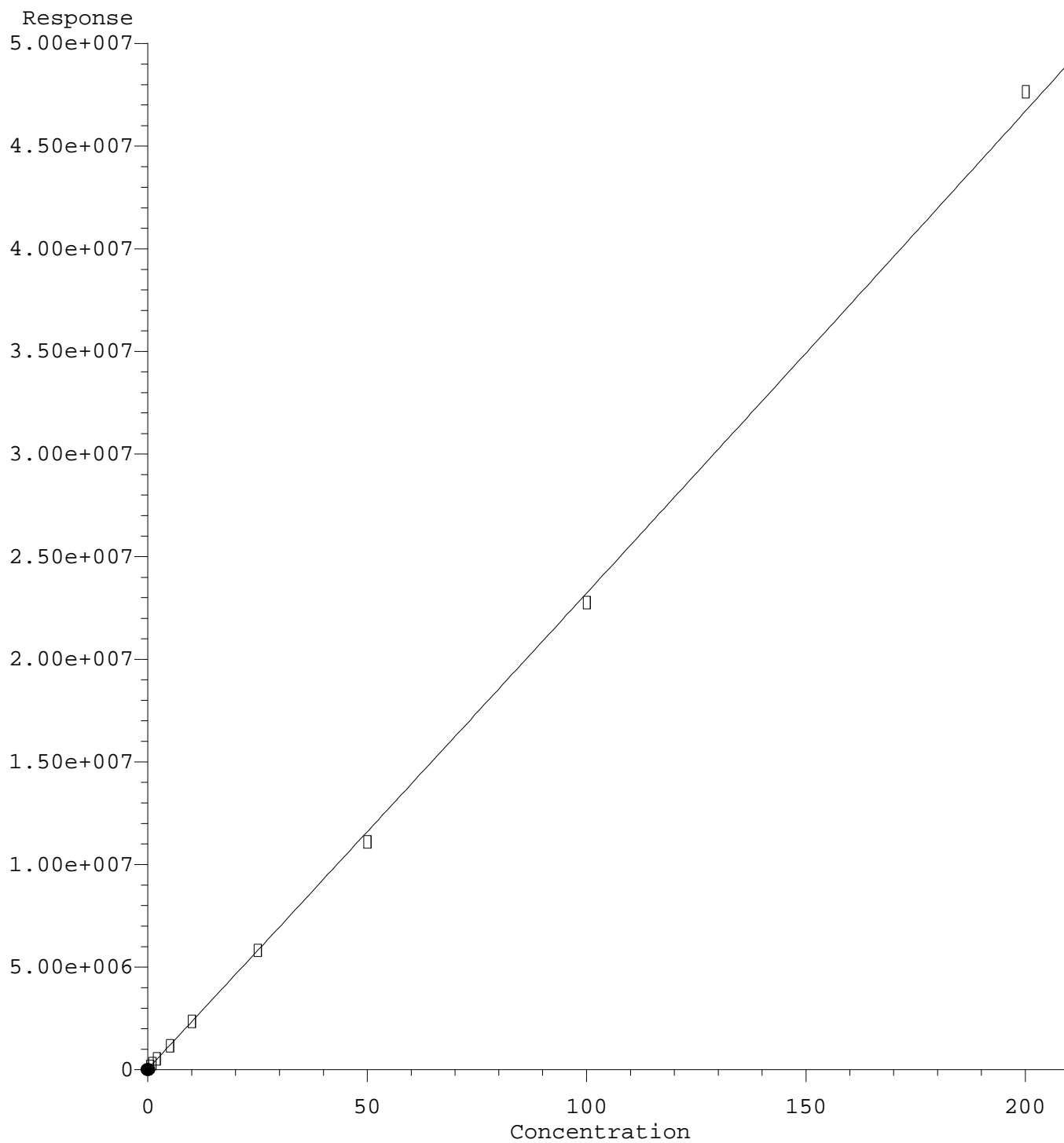


(23) Hexachlorobutadiene
~~3.362min 4770.085 ng/mL m-~~
response 5283

MJB 10/15/20

(23) Hexachlorobutadiene #2
3.586min 0.574 ng/mL
response 206112

Hexachlorobenzene



$$R = 1.62e+001 A^2 + 2.30e+005 A + 4.87e+004$$

Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a²)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M

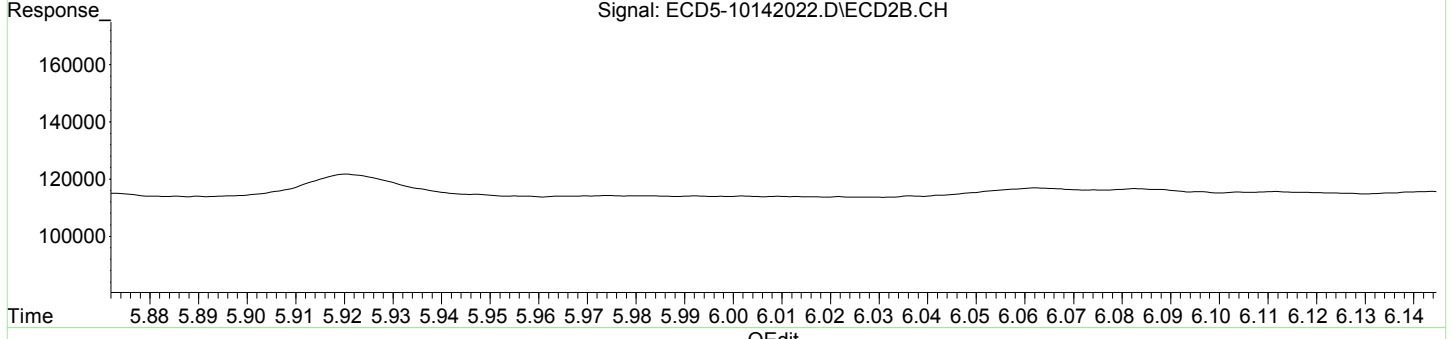
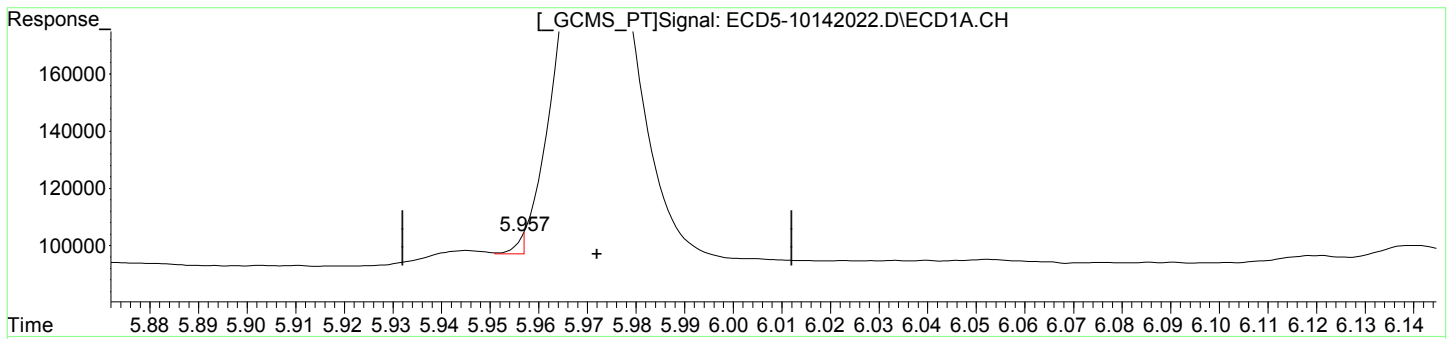
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

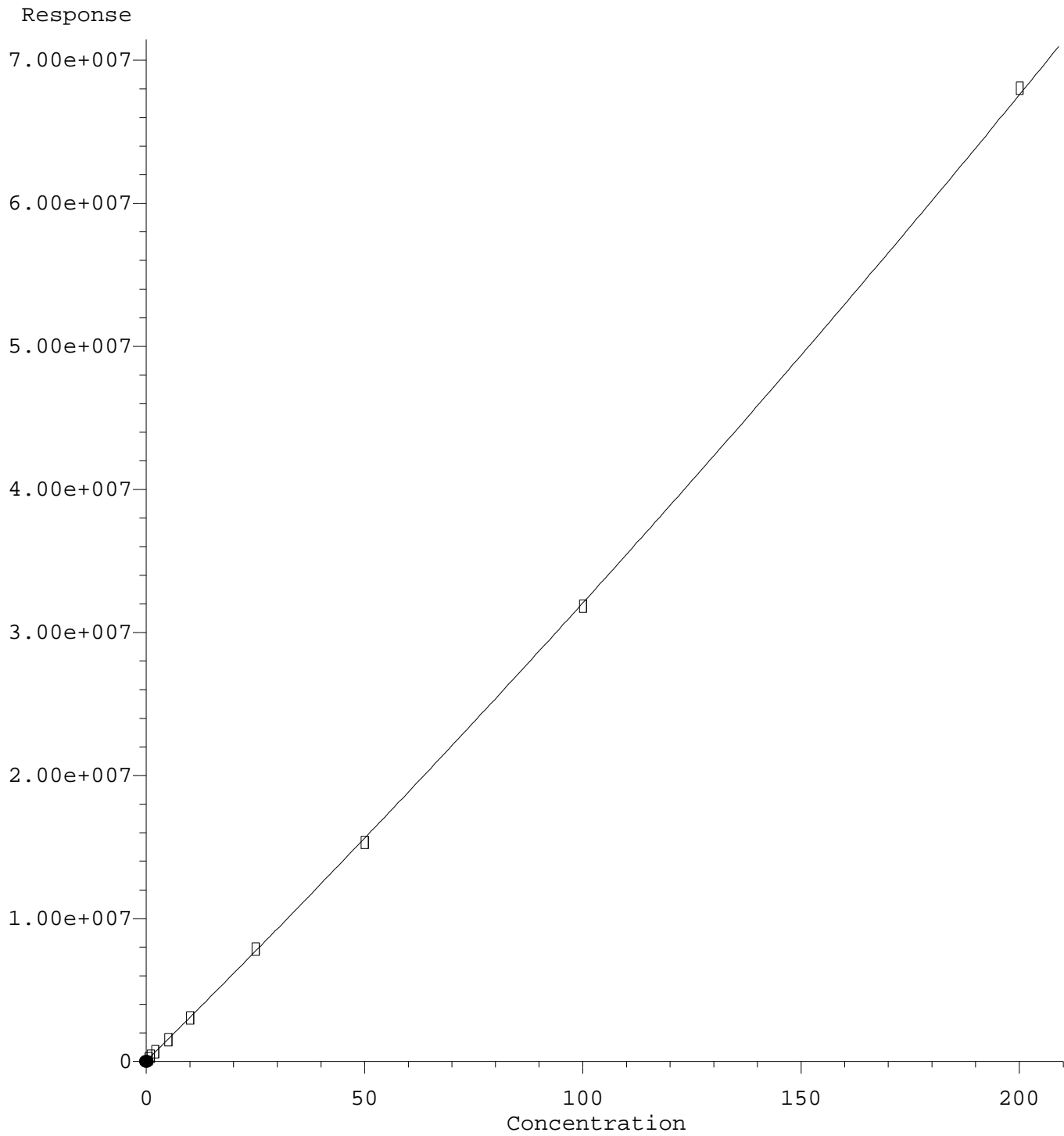
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



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



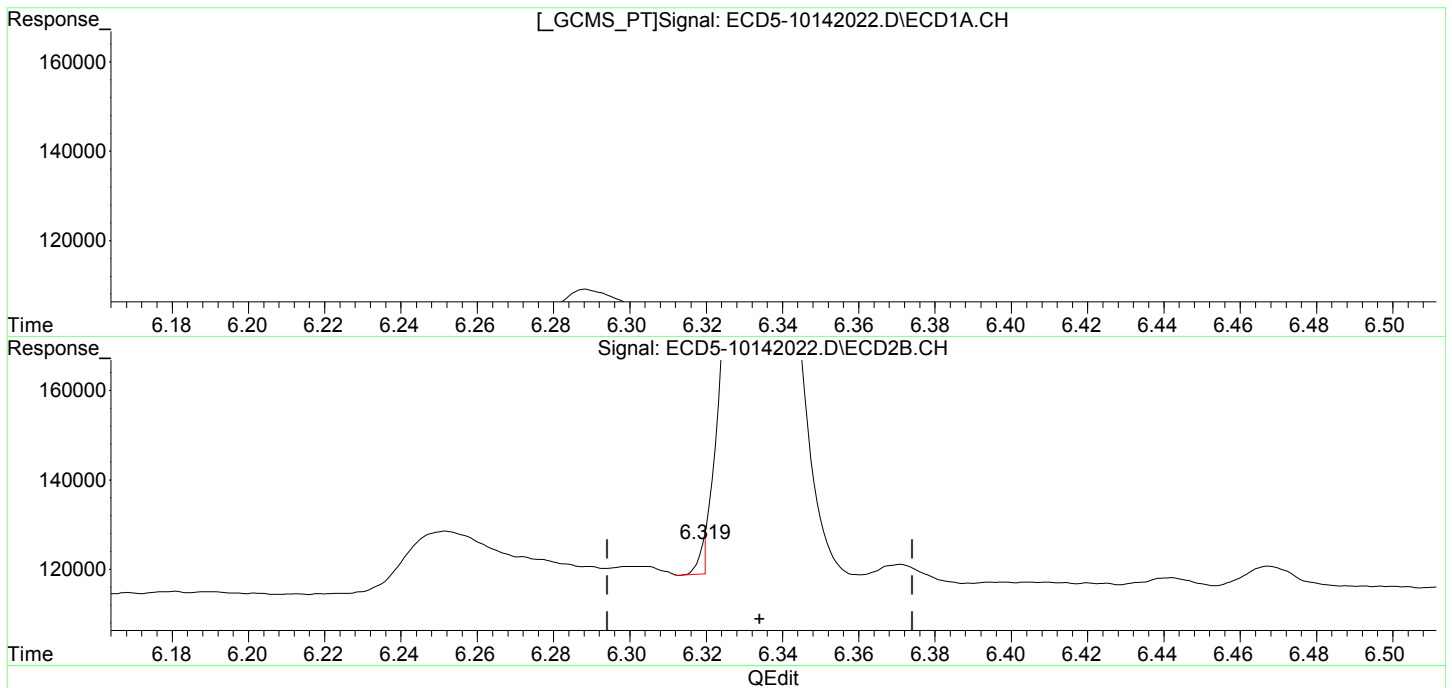
R = 1.77e+002 A*A + 3.02e+005 A + 5.50e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

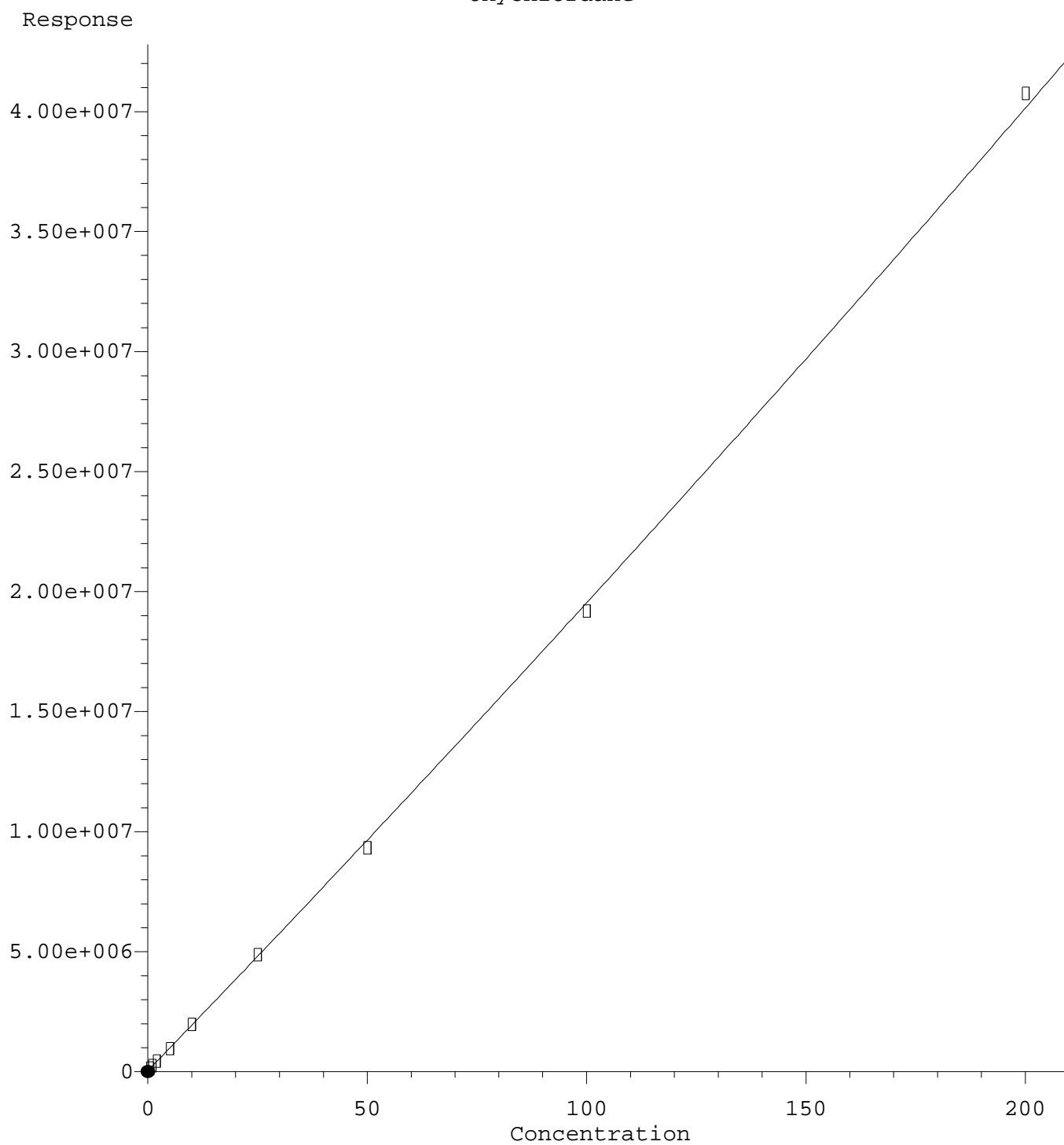


(24) Hexachlorobenzene
5.957min -0.185 ng/mL m
response 6265

MJB 10/15/20

(24) Hexachlorobenzene #2
6.319min -0.160 ng/mL m
response 6621

Oxychlorthane



$$R = 5.75e+001 A^2 + 1.89e+005 A + 4.88e+004$$

Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a²)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M

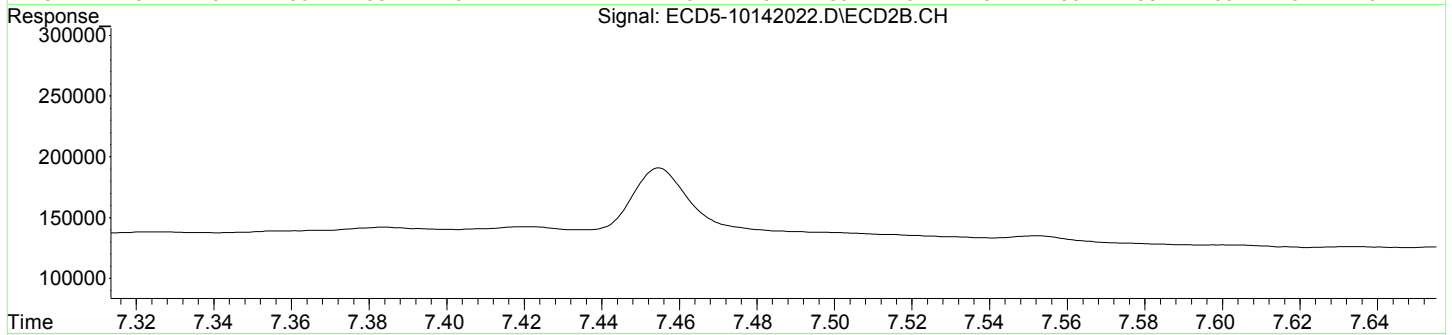
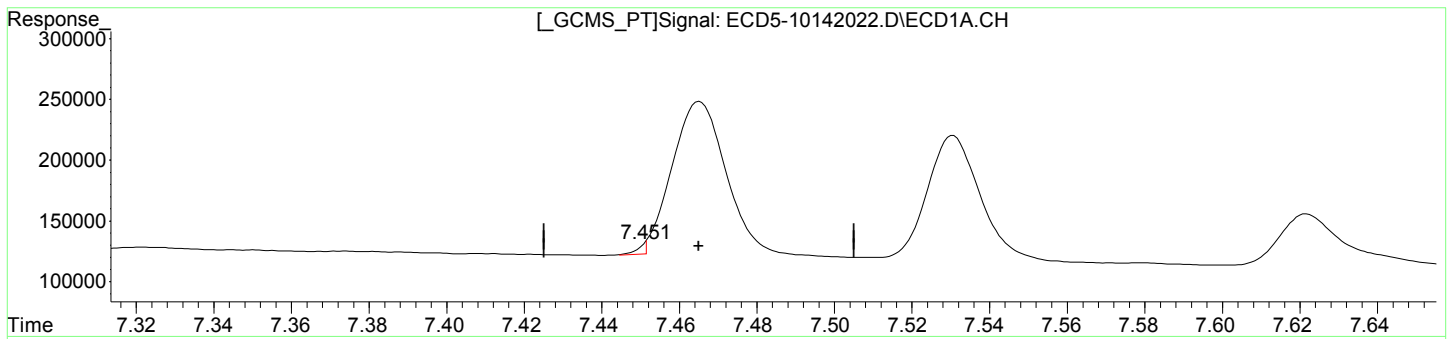
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

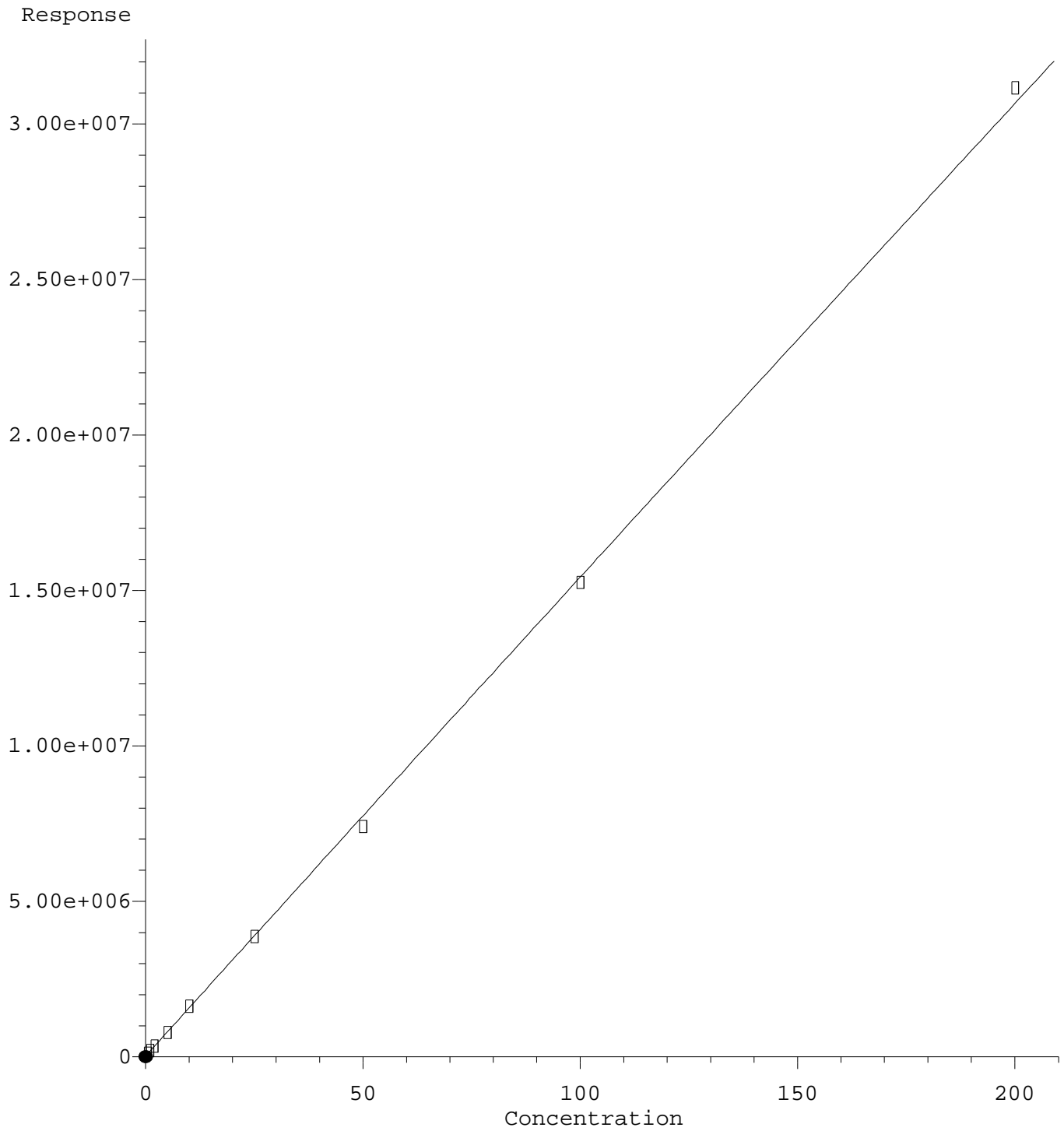


QEdit

(25) Oxychlordane	7.451min	-0.214 ng/mL m	response 8305
(25) Oxychlordane #2	7.787min	0.589 ng/mL	response 141434

MJB 10/15/20

2,4'-DDE



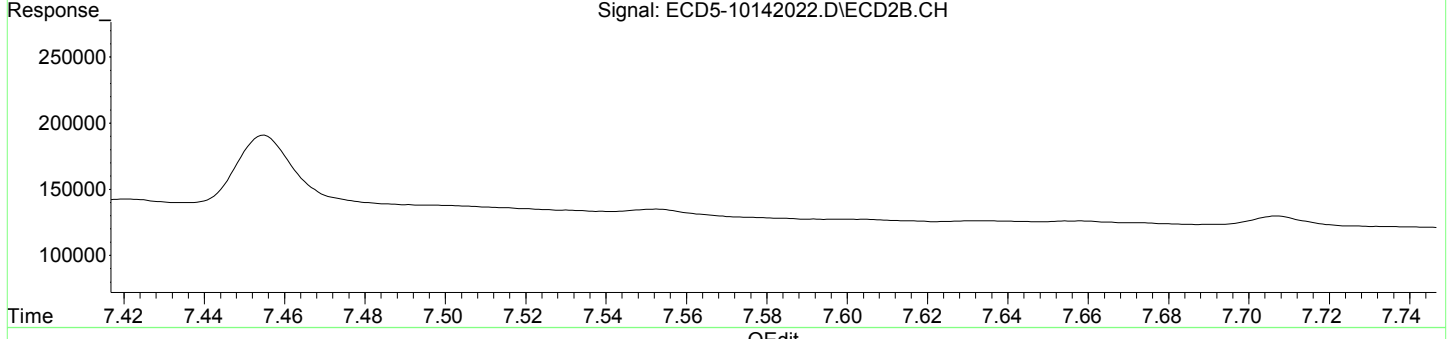
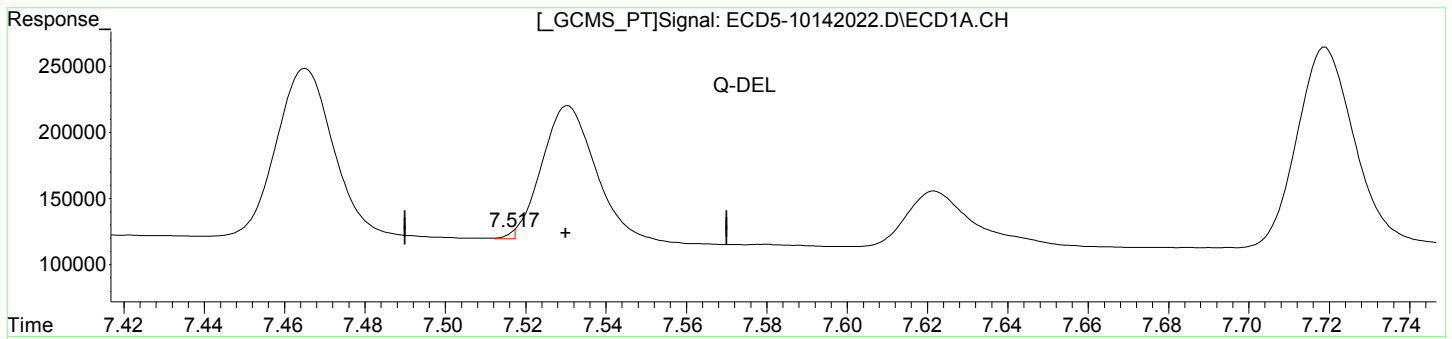
R = -7.49e+000 A*A + 1.55e+005 A + 3.49e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

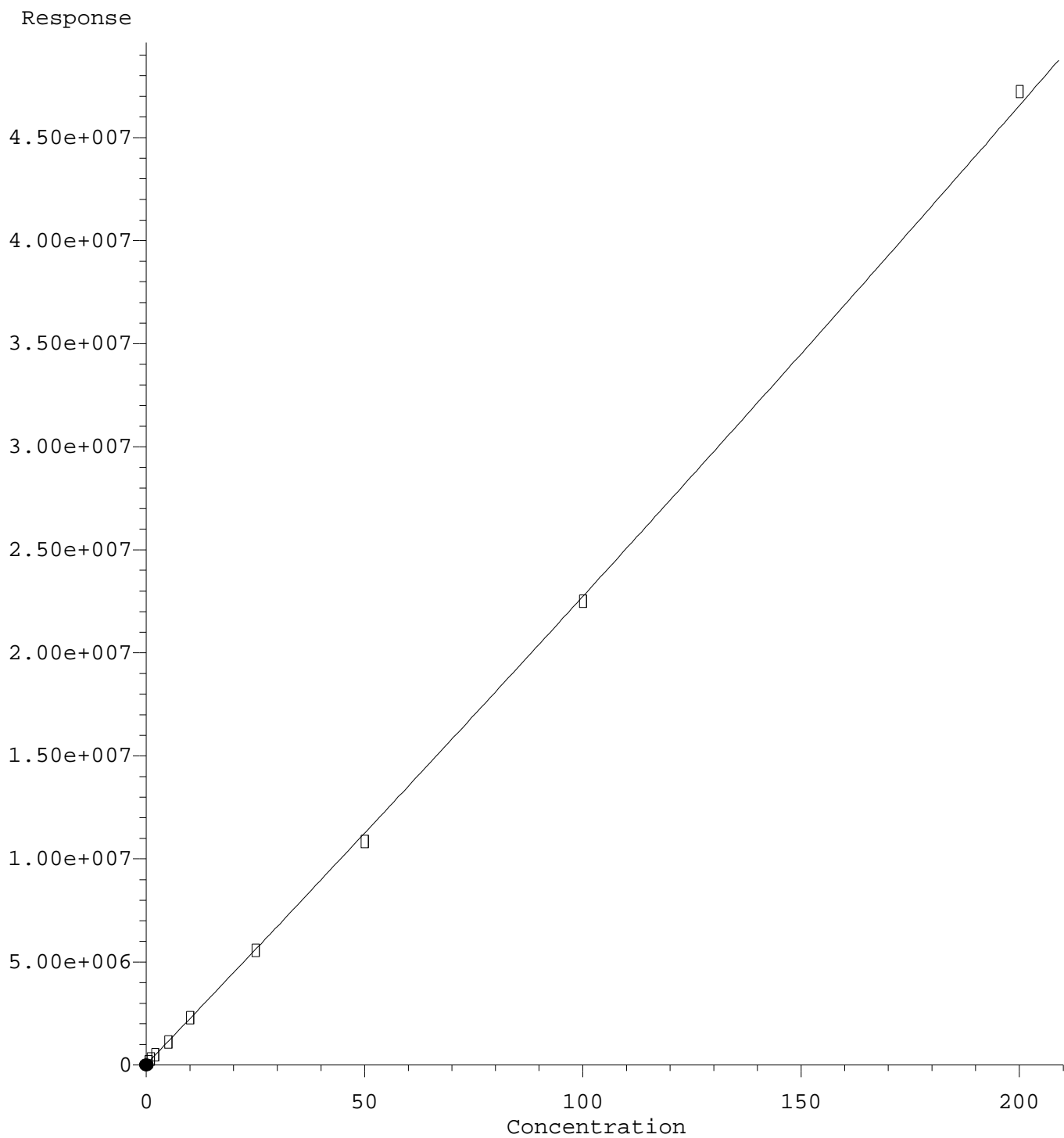


(26) 2,4'-DDE
~~7.517min 20640.366 ng/mL m~~
response 5270

MJB 10/15/20

(26) 2,4'-DDE #2
7.981min 0.572 ng/mL
response 111017

trans-Nonachlor



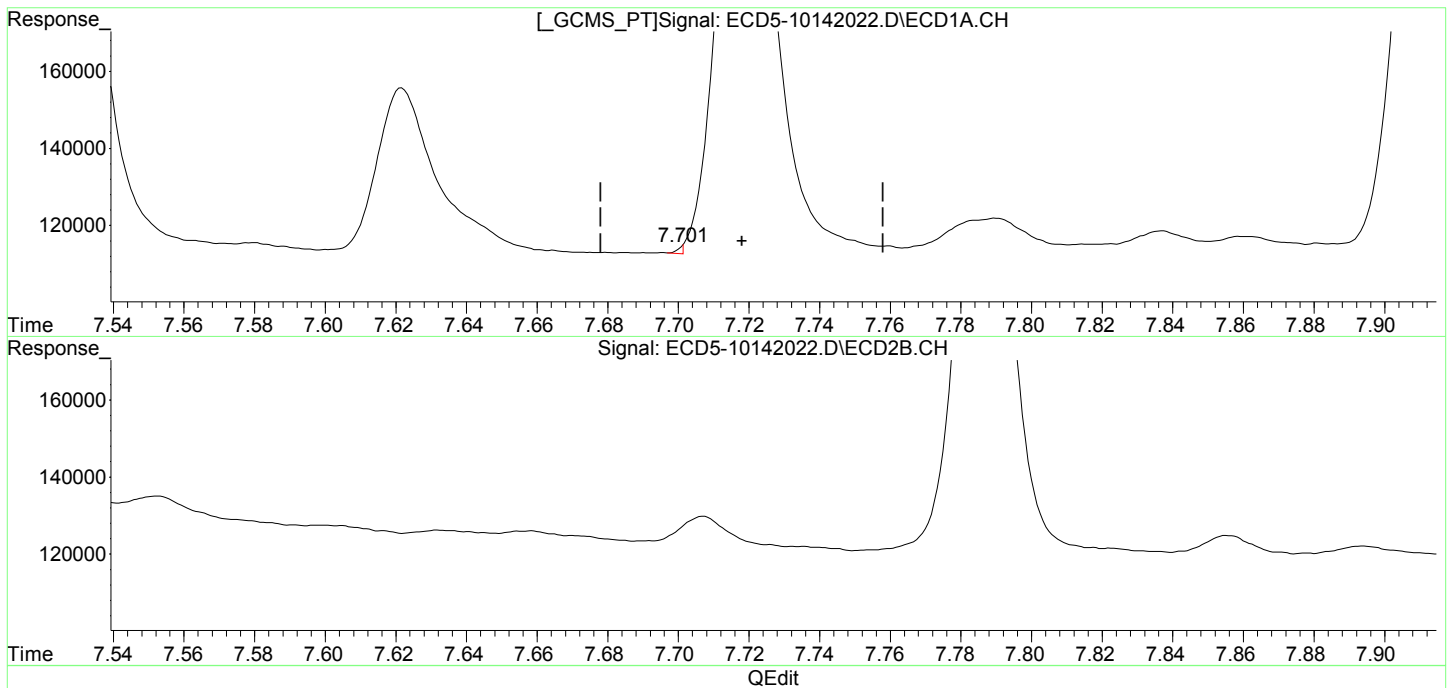
R = 5.71e+001 A*A + 2.21e+005 A + 4.63e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

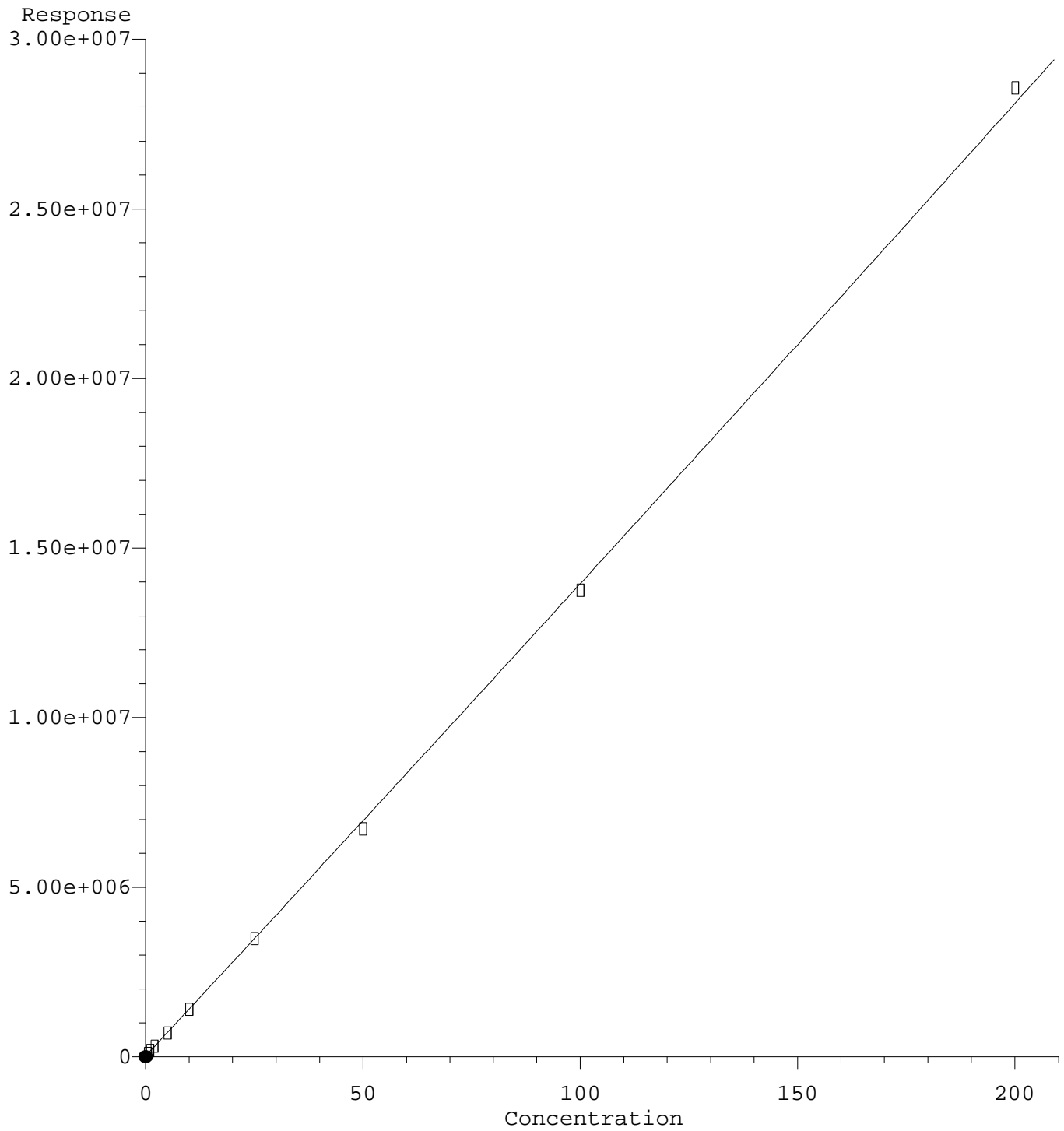


(27) trans-Nonachlor
7.701min -0.201 ng/mL m
response 1821

MJB 10/15/20

(27) trans-Nonachlor #2
8.061min 0.585 ng/mL
response 162972

2,4'-DDD



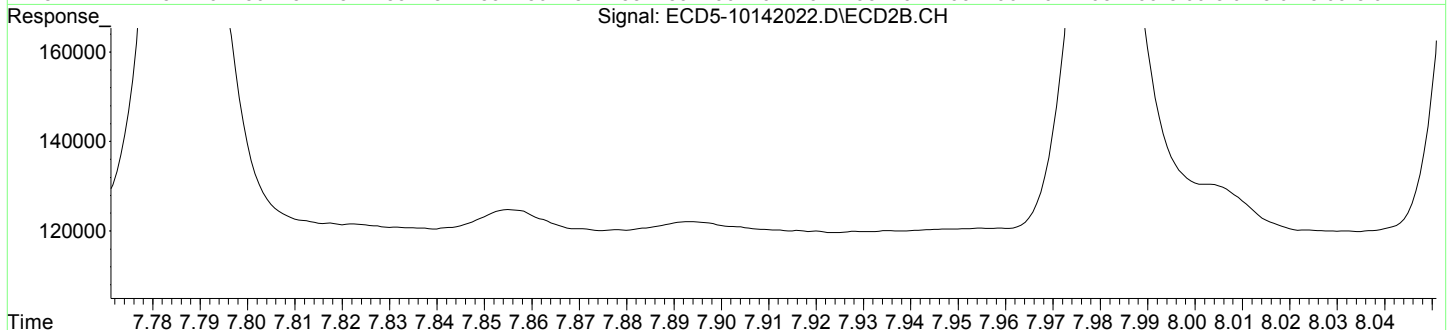
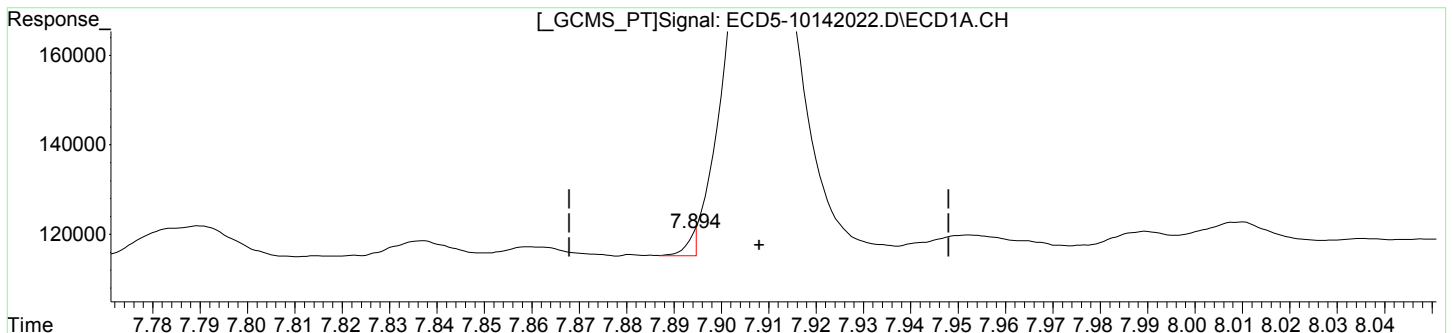
R = 1.25e+001 A*A + 1.38e+005 A + 3.26e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

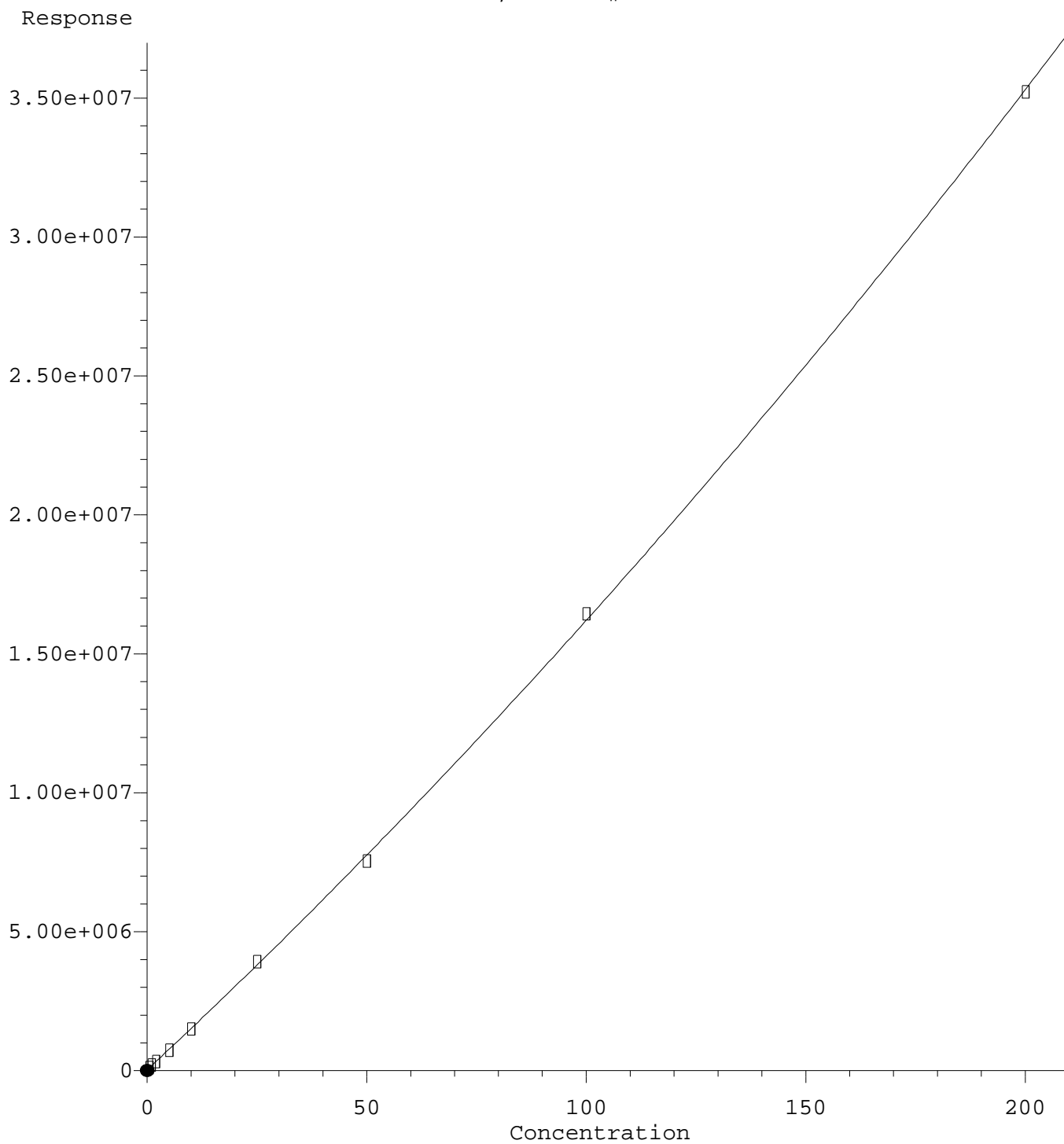
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



QEdit

(28) 2,4'-DDD 7.894min -0.199 ng/mL m response 5123	MJB 10/15/20
(28) 2,4'-DDD #2 8.351min 0.476 ng/mL response 108812	

2,4'-DDD #2



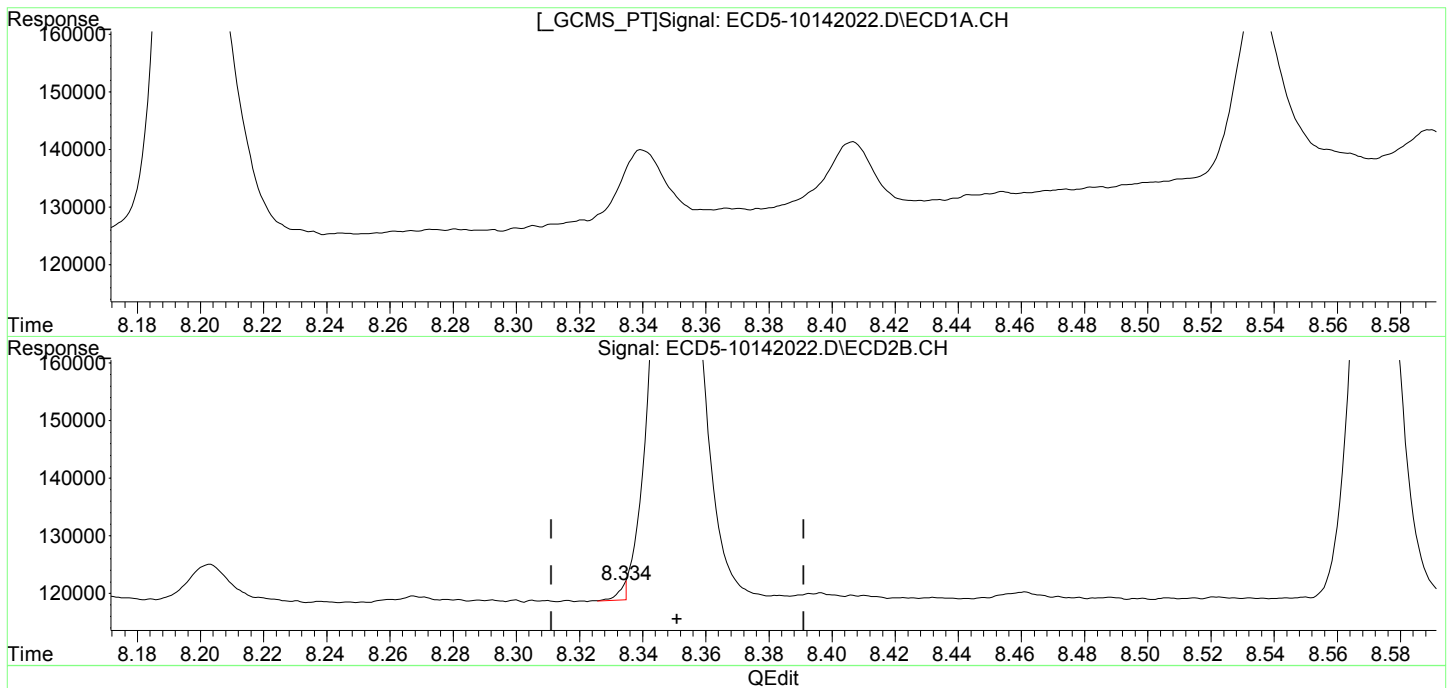
R = 1.48e+002 A*A + 1.47e+005 A + 3.89e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

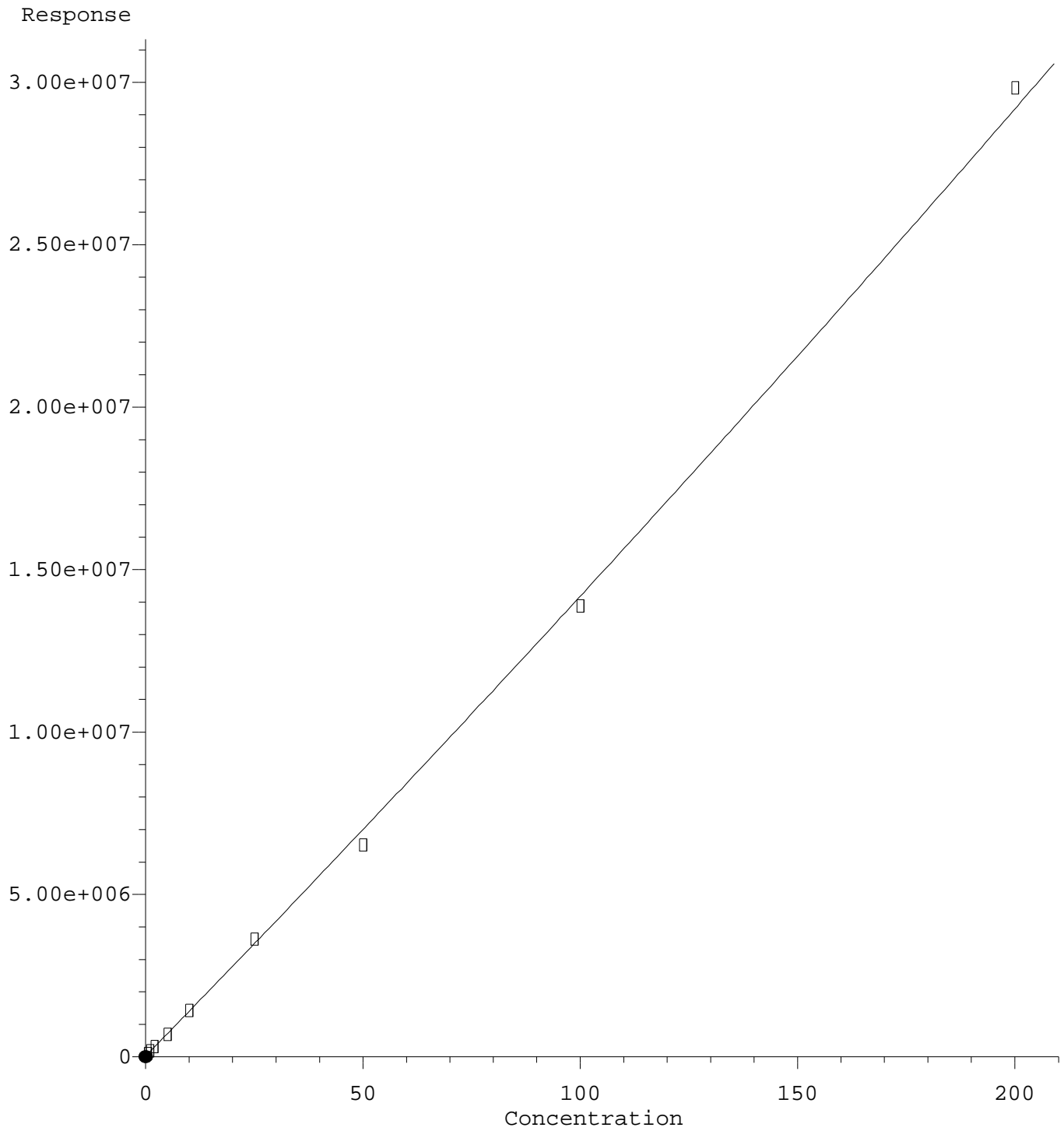


(28) 2,4'-DDD
7.894min -0.199 ng/mL m
response 5123

MJB 10/15/20

(28) 2,4'-DDD #2
8.334min -0.247 ng/mL m
response 2588

2,4'-DDT



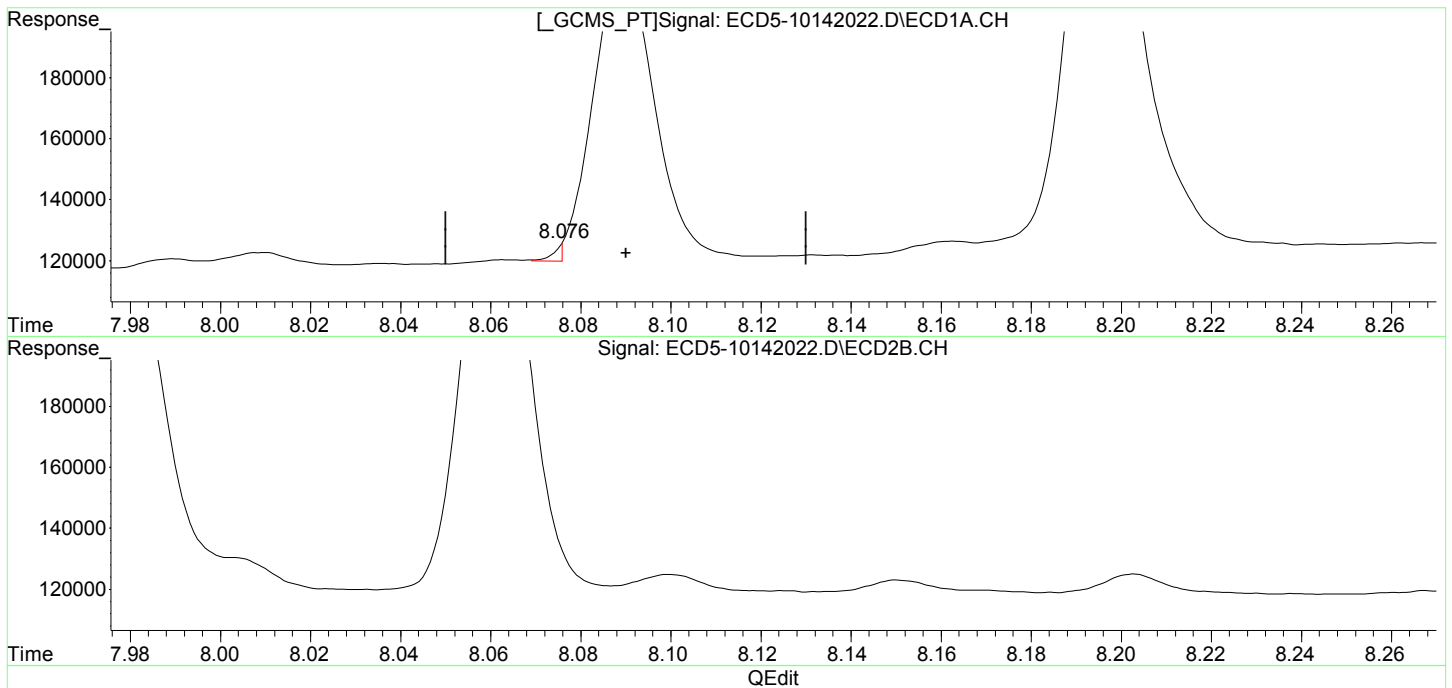
R = 4.34e+001 A*A + 1.37e+005 A + 3.28e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

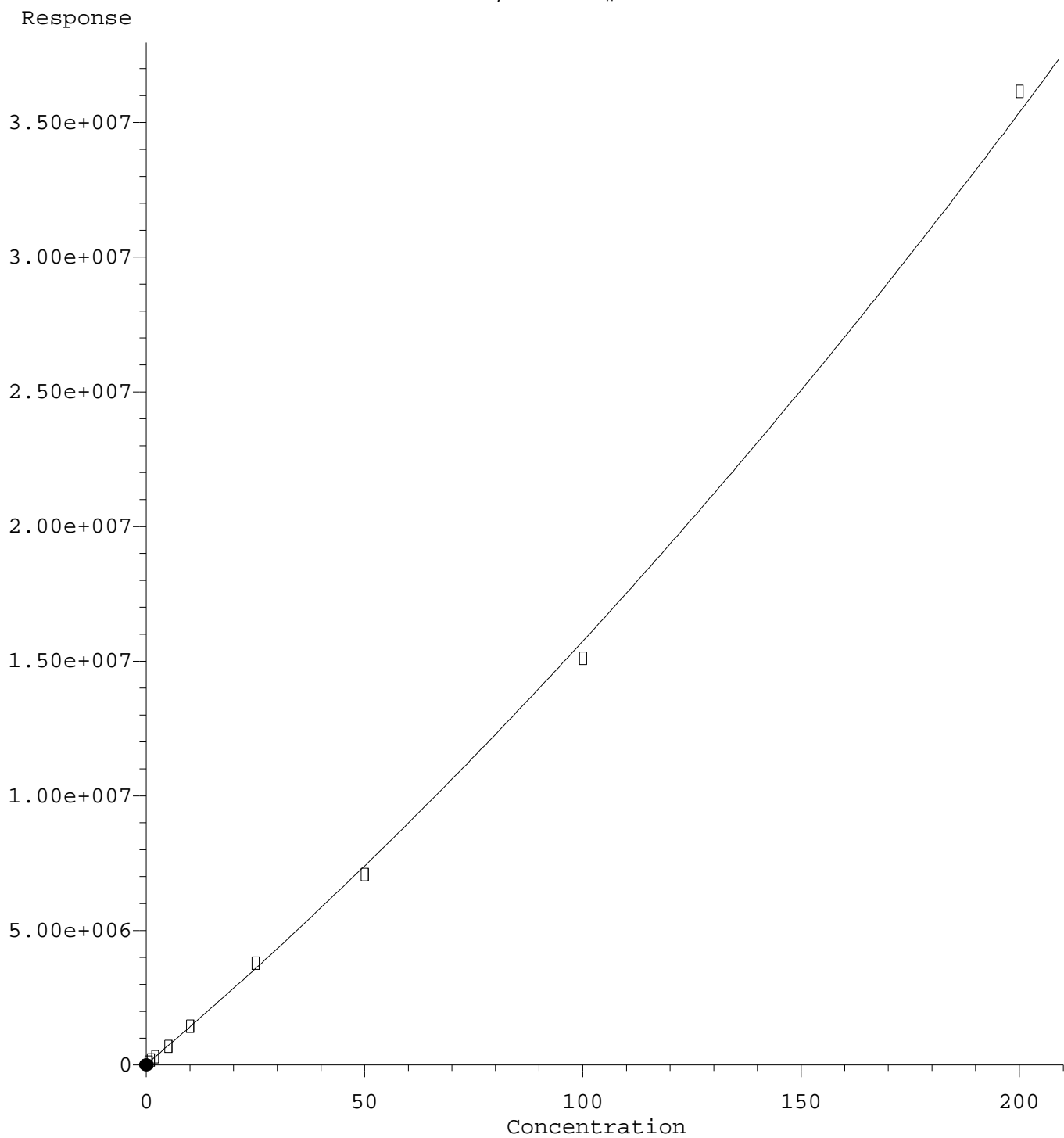


(29) 2,4'-DDT
8.076min -0.196 ng/mL m
response 5870

MJB 10/15/20

(29) 2,4'-DDT #2
8.572min 0.475 ng/mL
response 100181

2,4'-DDT #2



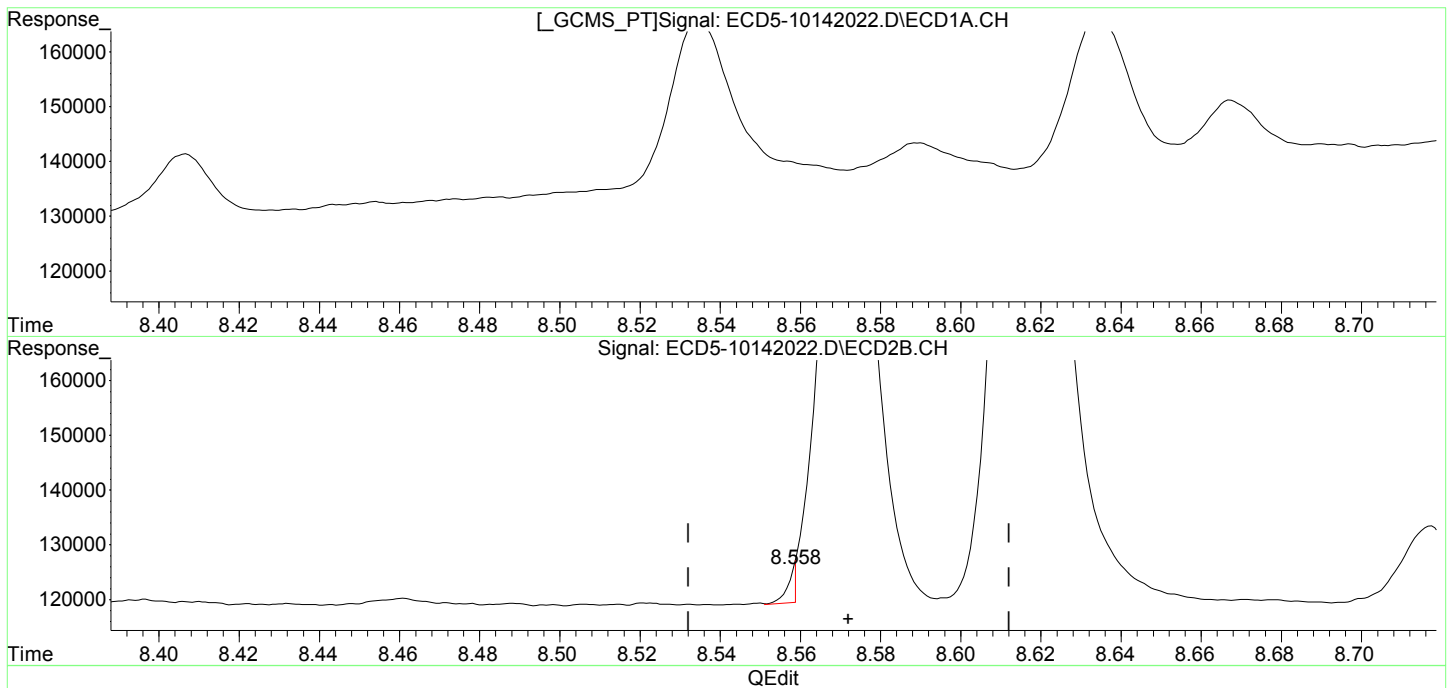
R = 1.98e+002 A*A + 1.37e+005 A + 3.49e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

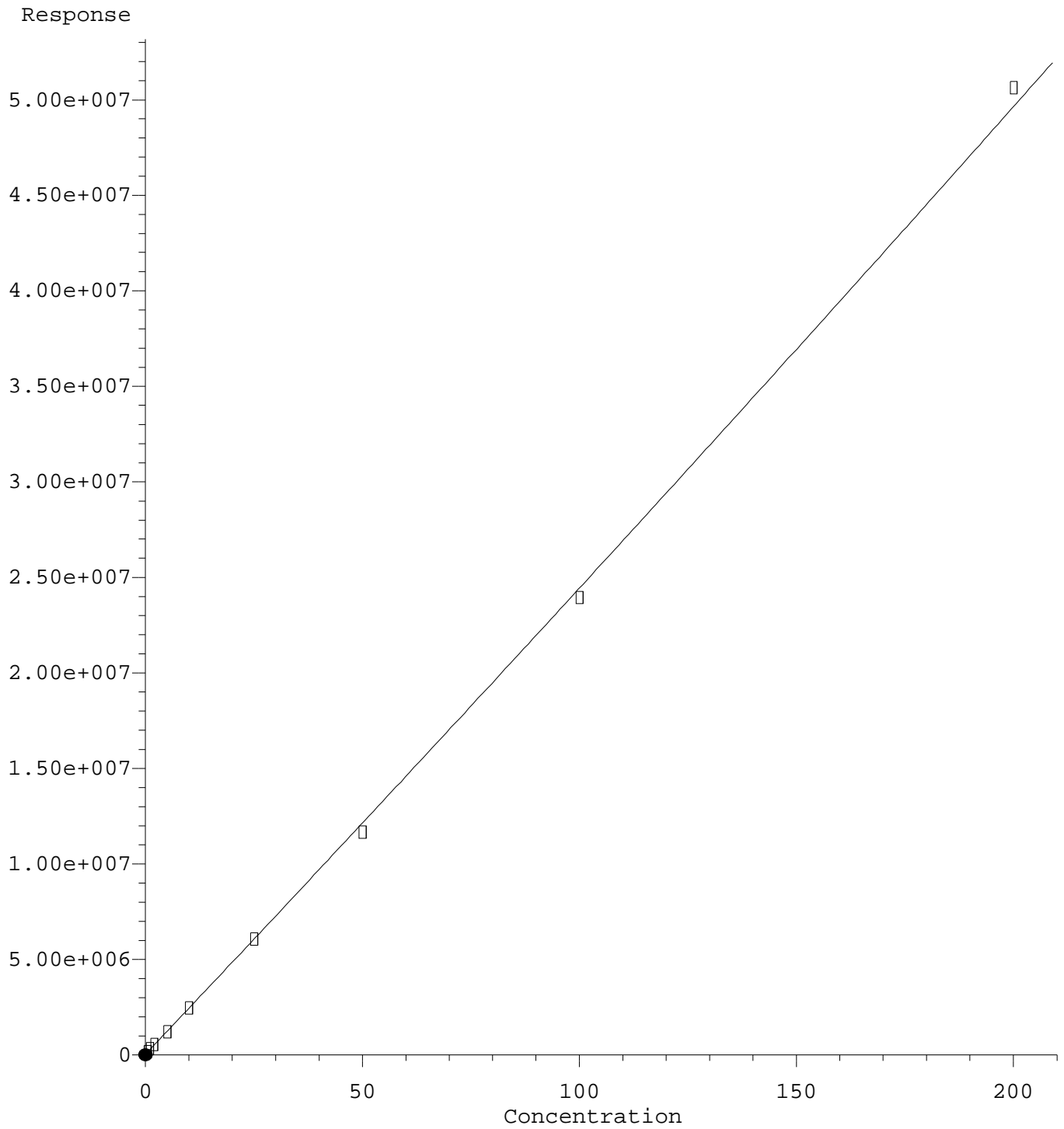


(29) 2,4'-DDT
8.076min -0.196 ng/mL m
response 5870

MJB 10/15/20

(29) 2,4'-DDT #2
8.558min -0.209 ng/mL m
response 6176

cis-Nonachlor



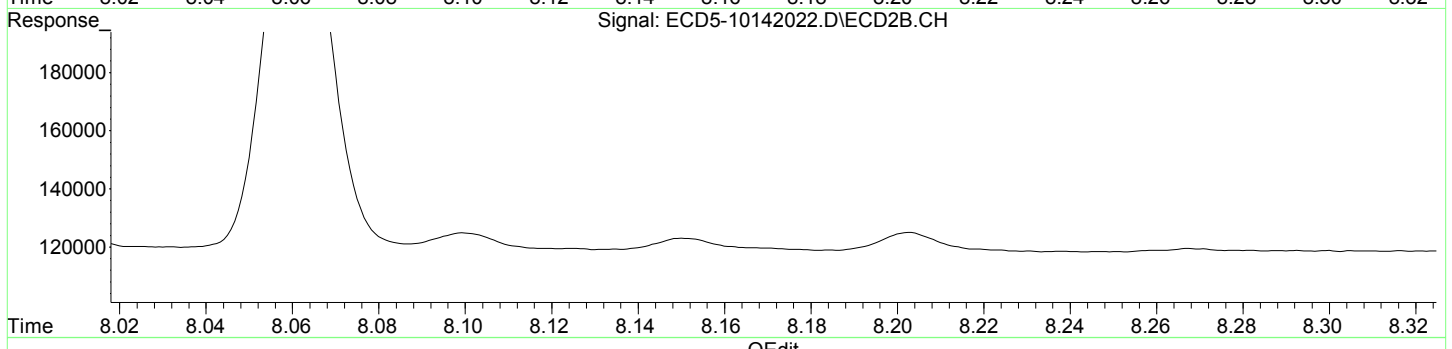
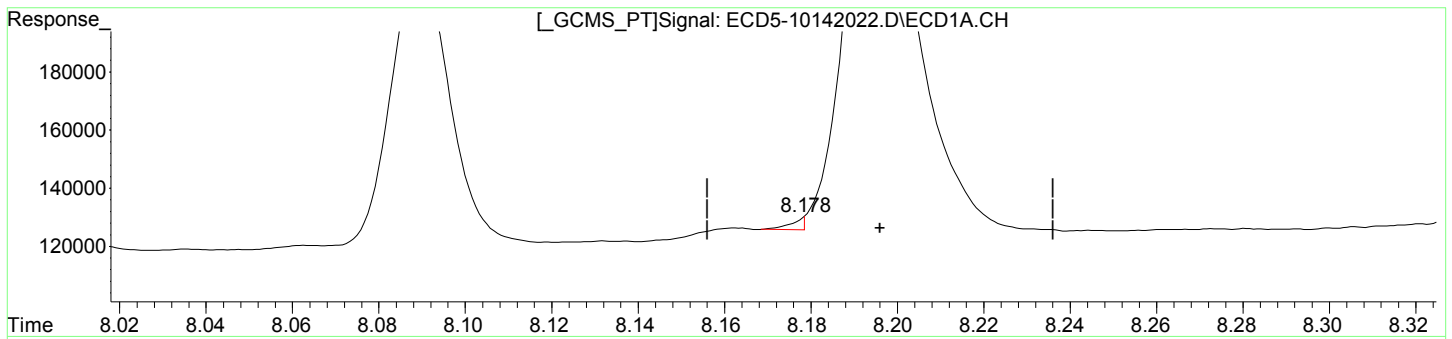
R = 4.15e+001 A*A + 2.40e+005 A + 5.26e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

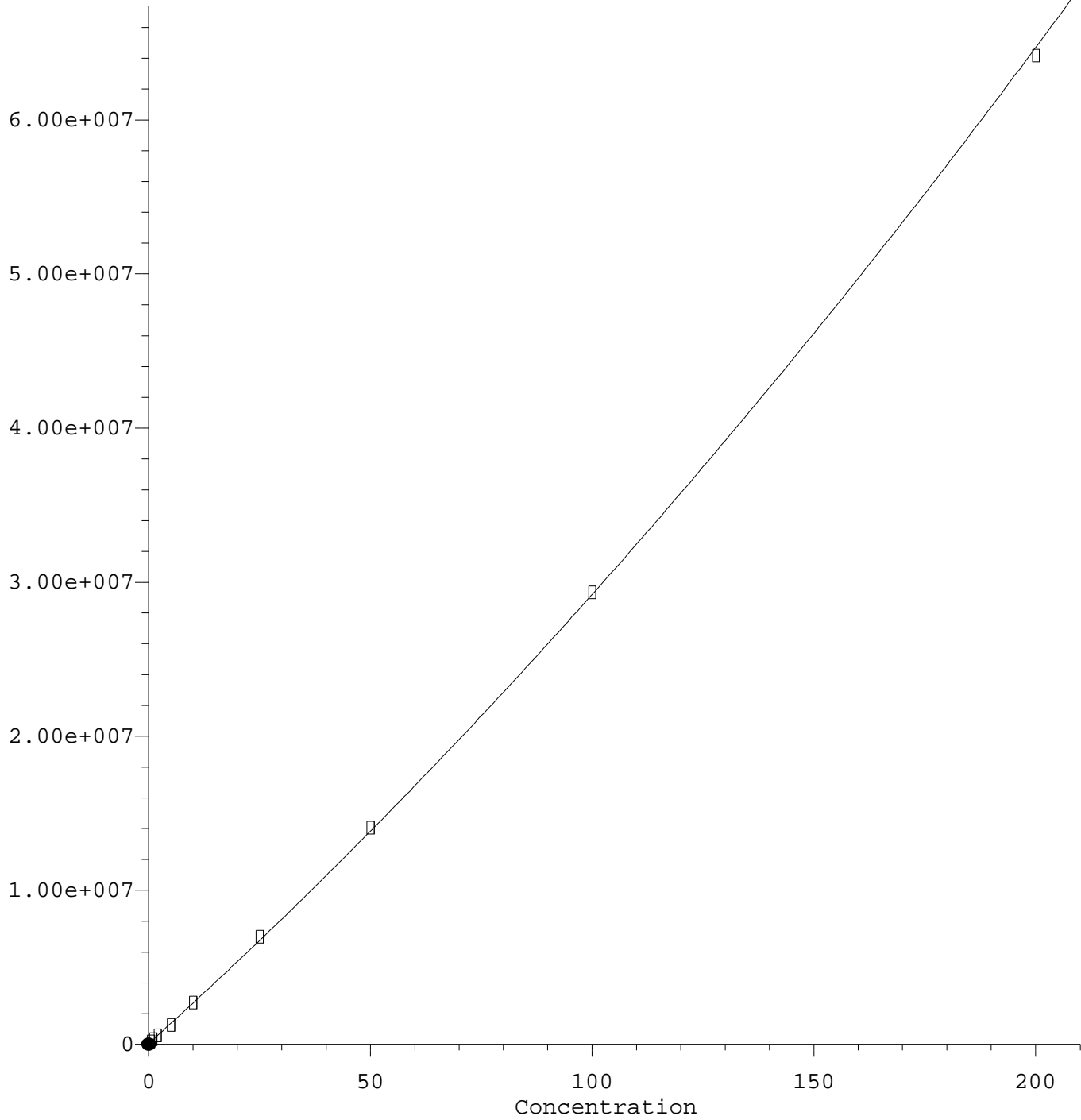


Retention Time (min)	Concentration (ng/mL)	Response
8.178	-0.201	4395
8.617	0.491	188367

MJB 10/15/20

cis-Nonachlor #2

Response



$$R = 3.19e+002 A^2 + 2.59e+005 A + 6.10e+004$$

Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a²)

Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M

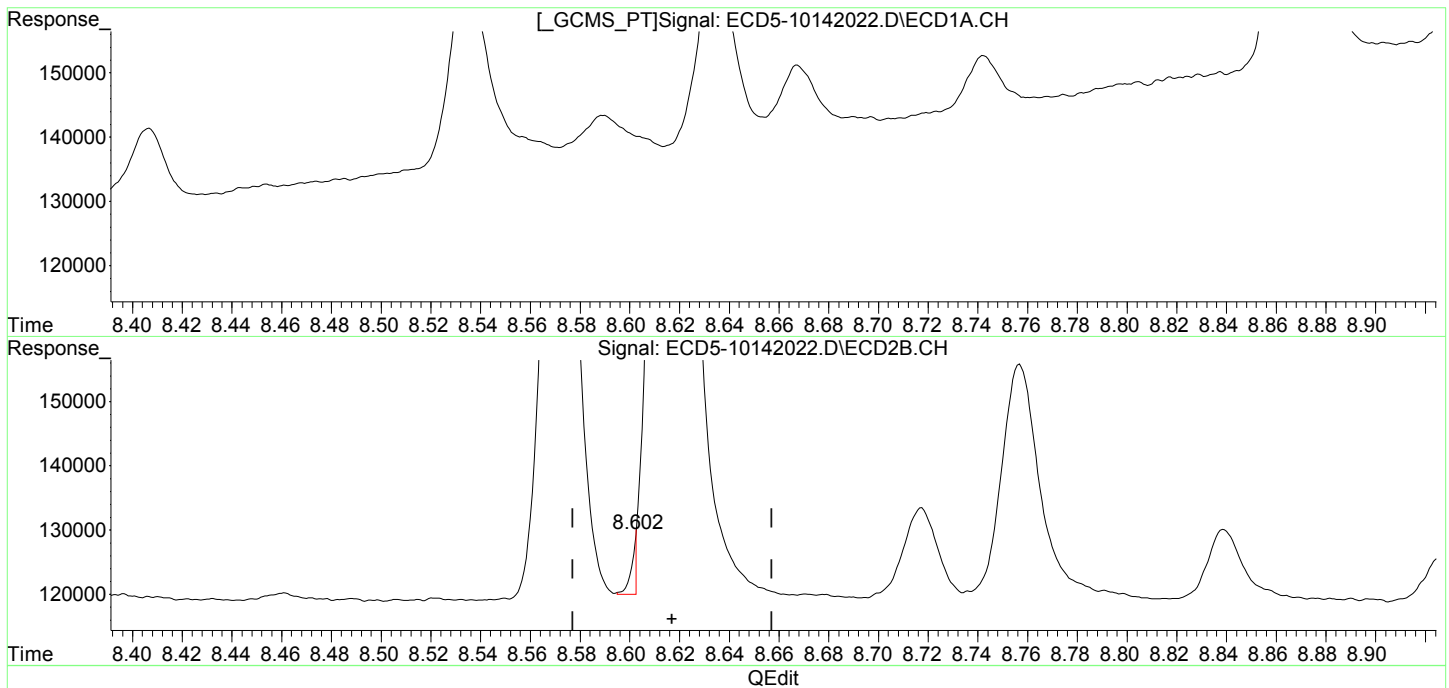
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

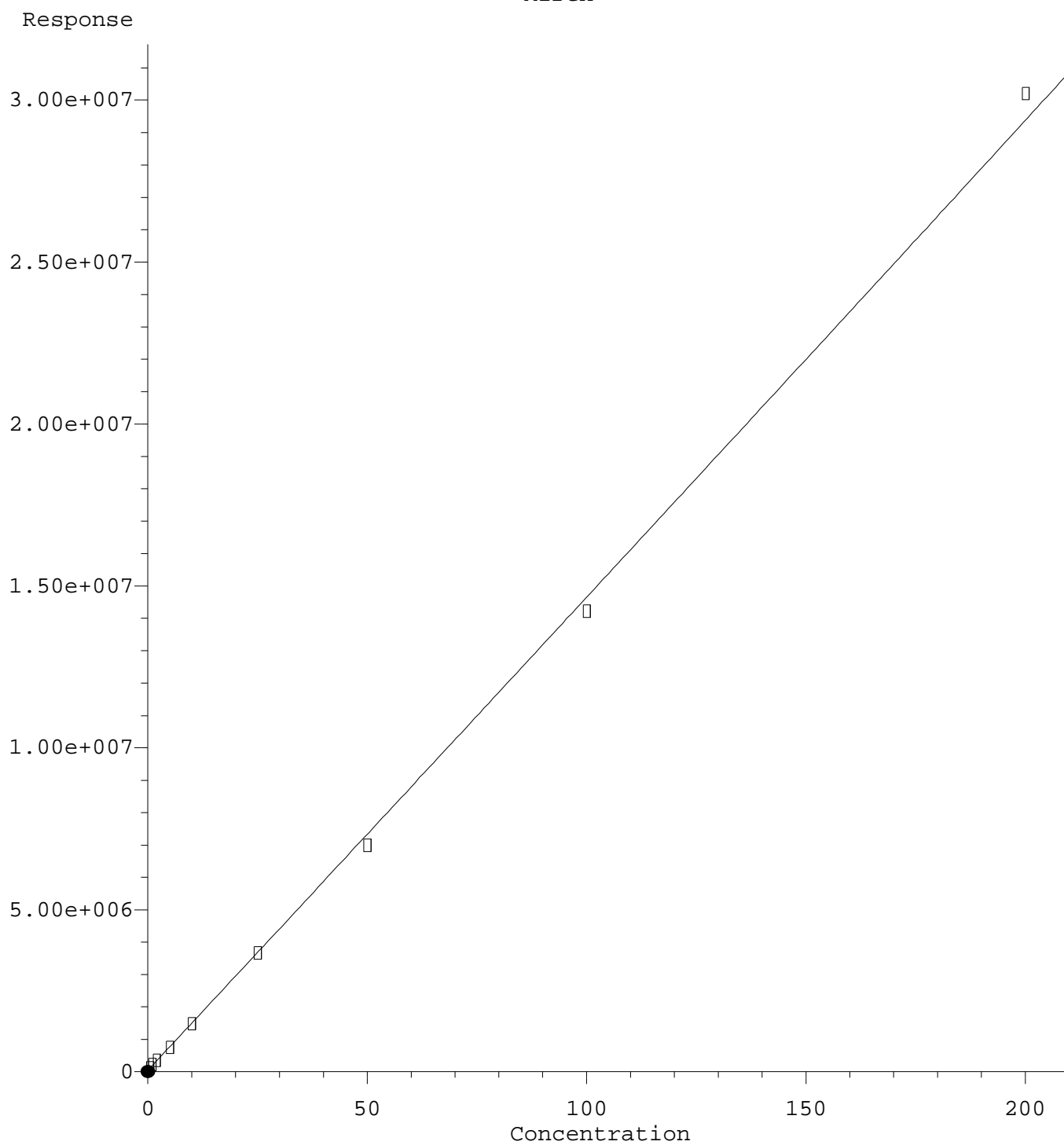


(30) cis-Nonachlor
8.178min -0.201 ng/mL m
response 4395

MJB 10/15/20

(30) cis-Nonachlor #2
8.602min -0.199 ng/mL m
response 9362

Mirex



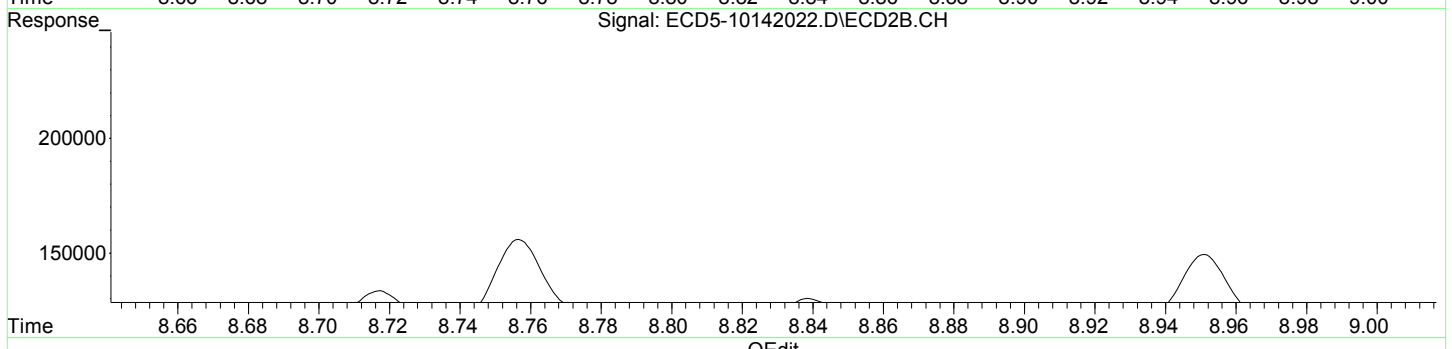
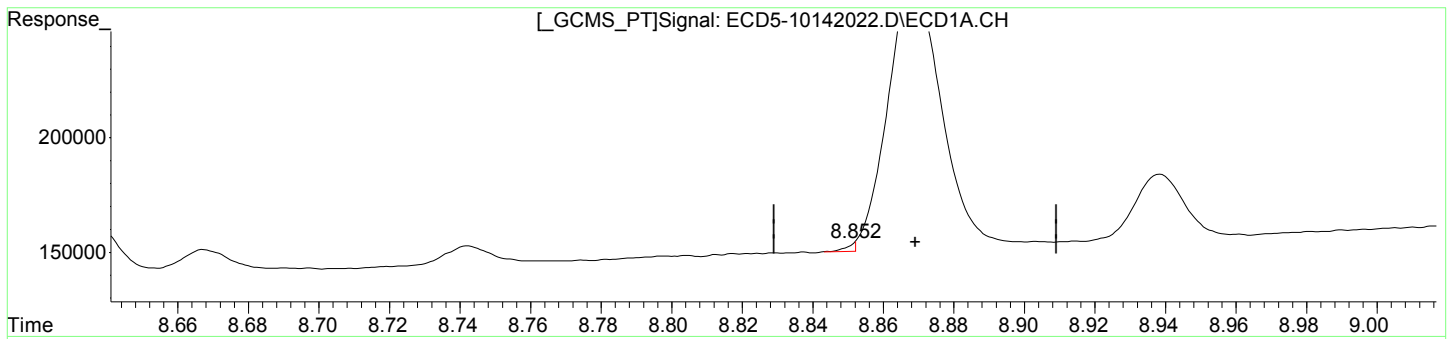
R = 6.99e+000 A*A + 1.45e+005 A + 5.06e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

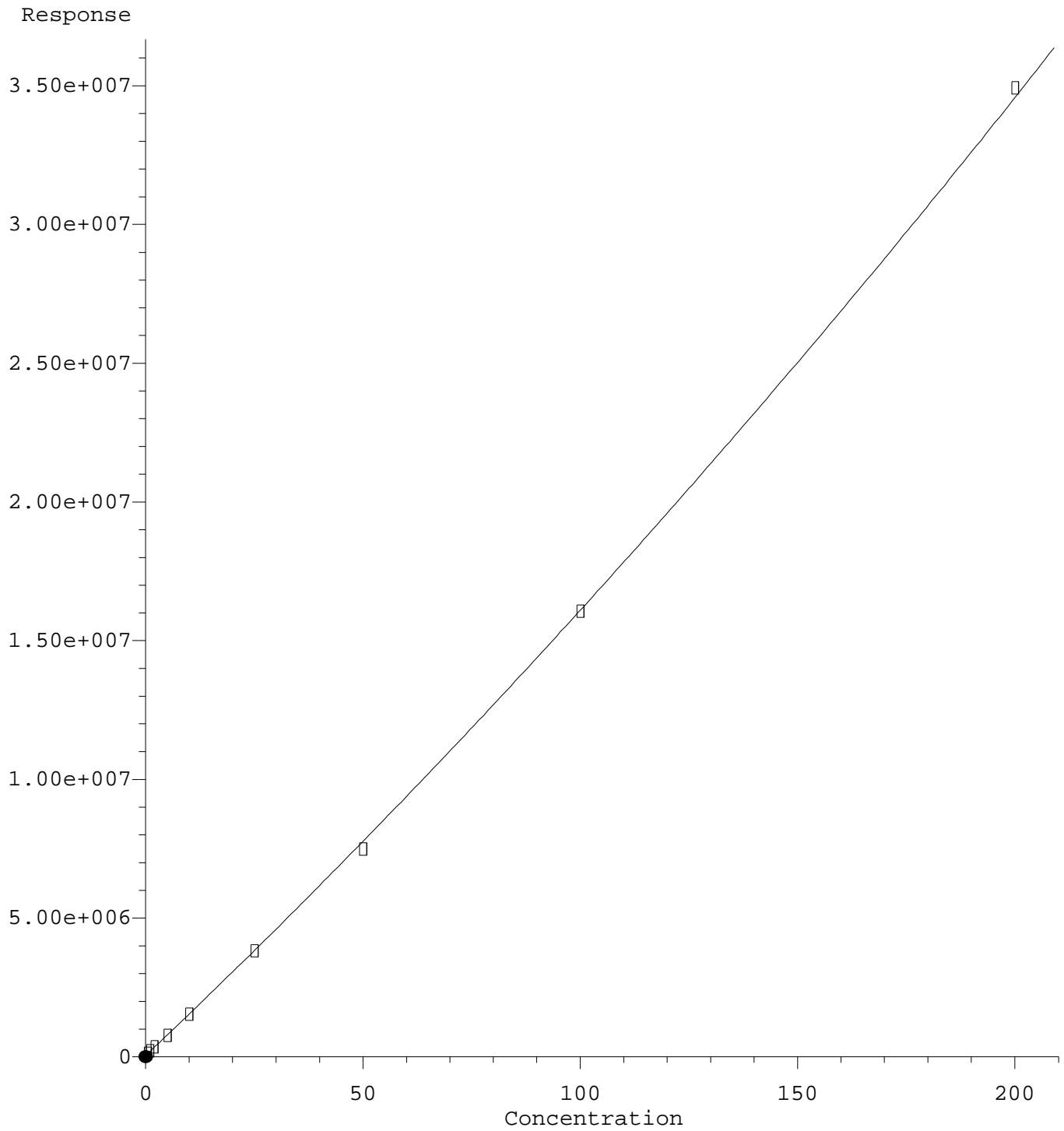
Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



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



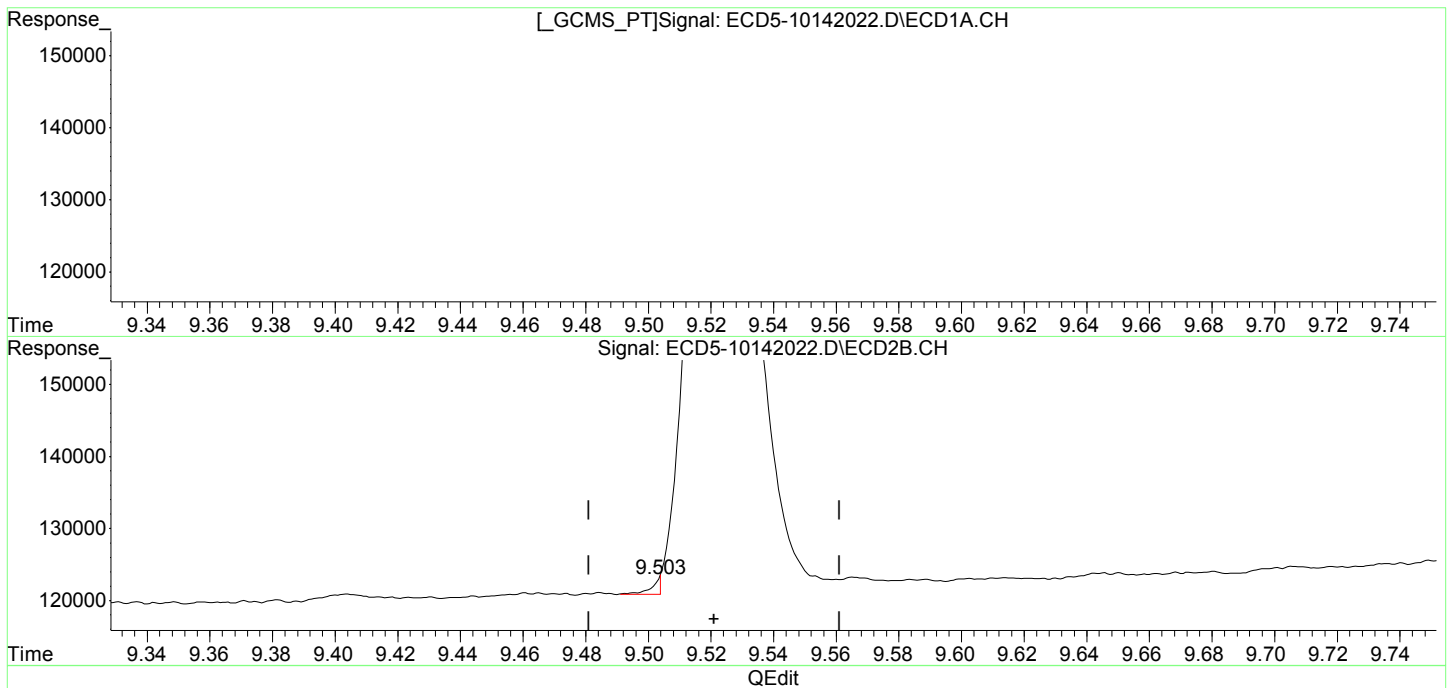
R = 1.23e+002 A*A + 1.48e+005 A + 5.41e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

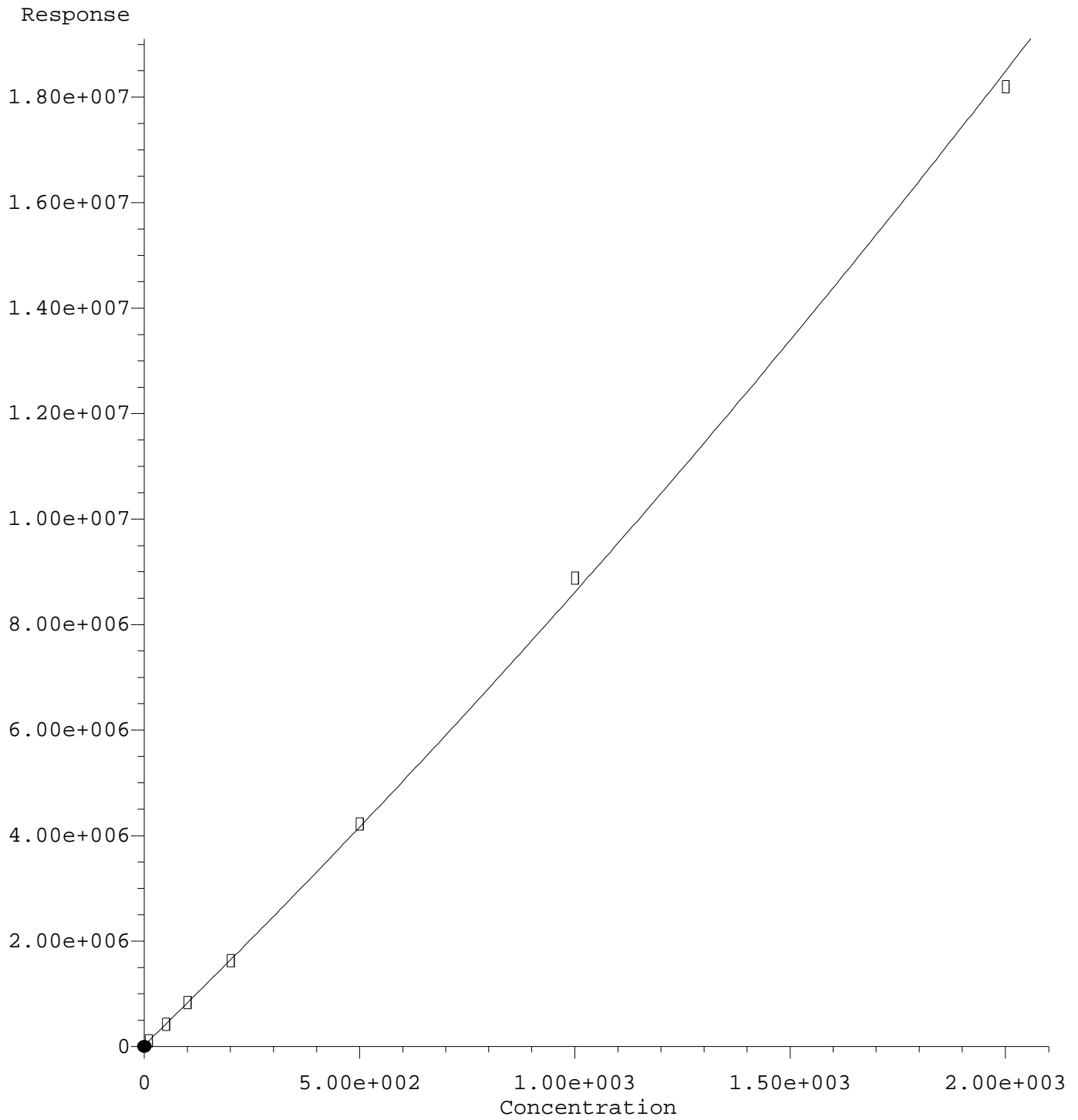


(31) Mirex
8.852min -0.325 ng/mL m
response 3470

MJB 10/15/20

(31) Mirex #2
9.503min -0.351 ng/mL m
response 2121

Chlordane (3) #2



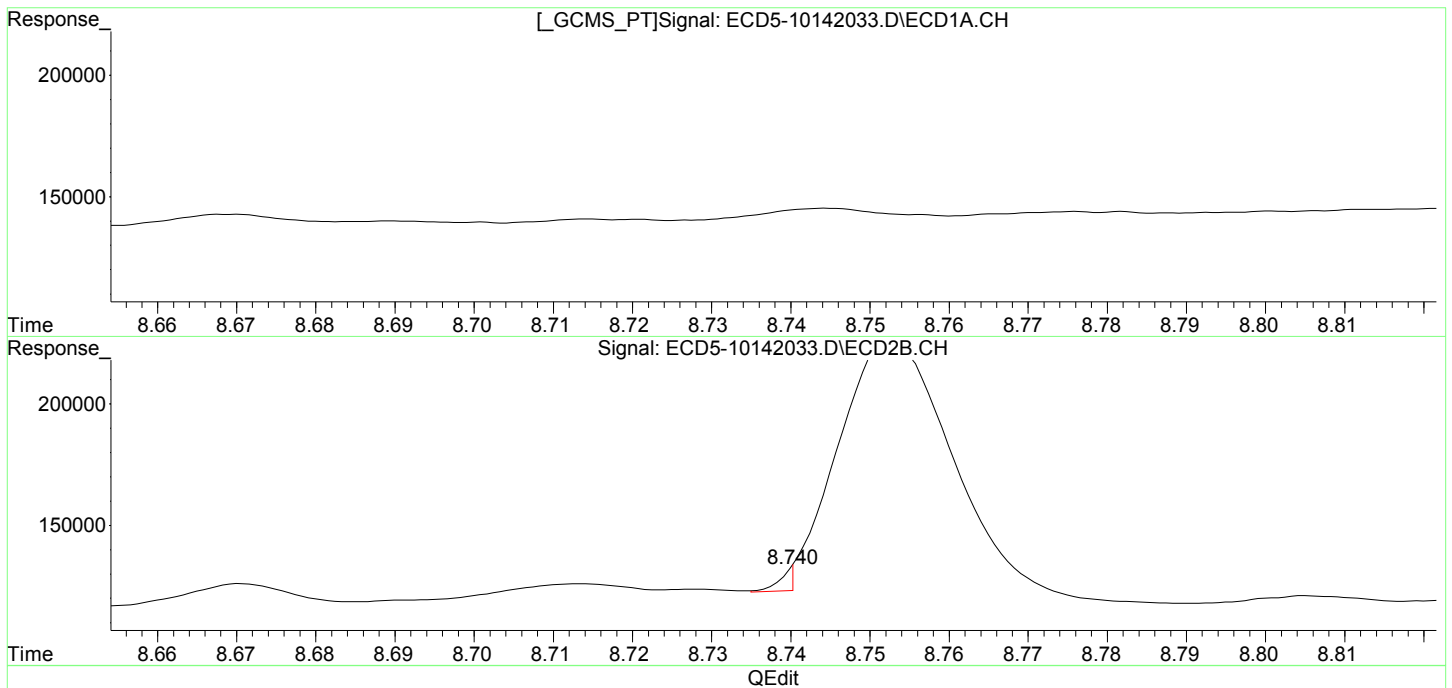
R = 6.46e-001 A*A + 7.94e+003 A + 2.98e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD5_QUANTPEST_201014.M
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

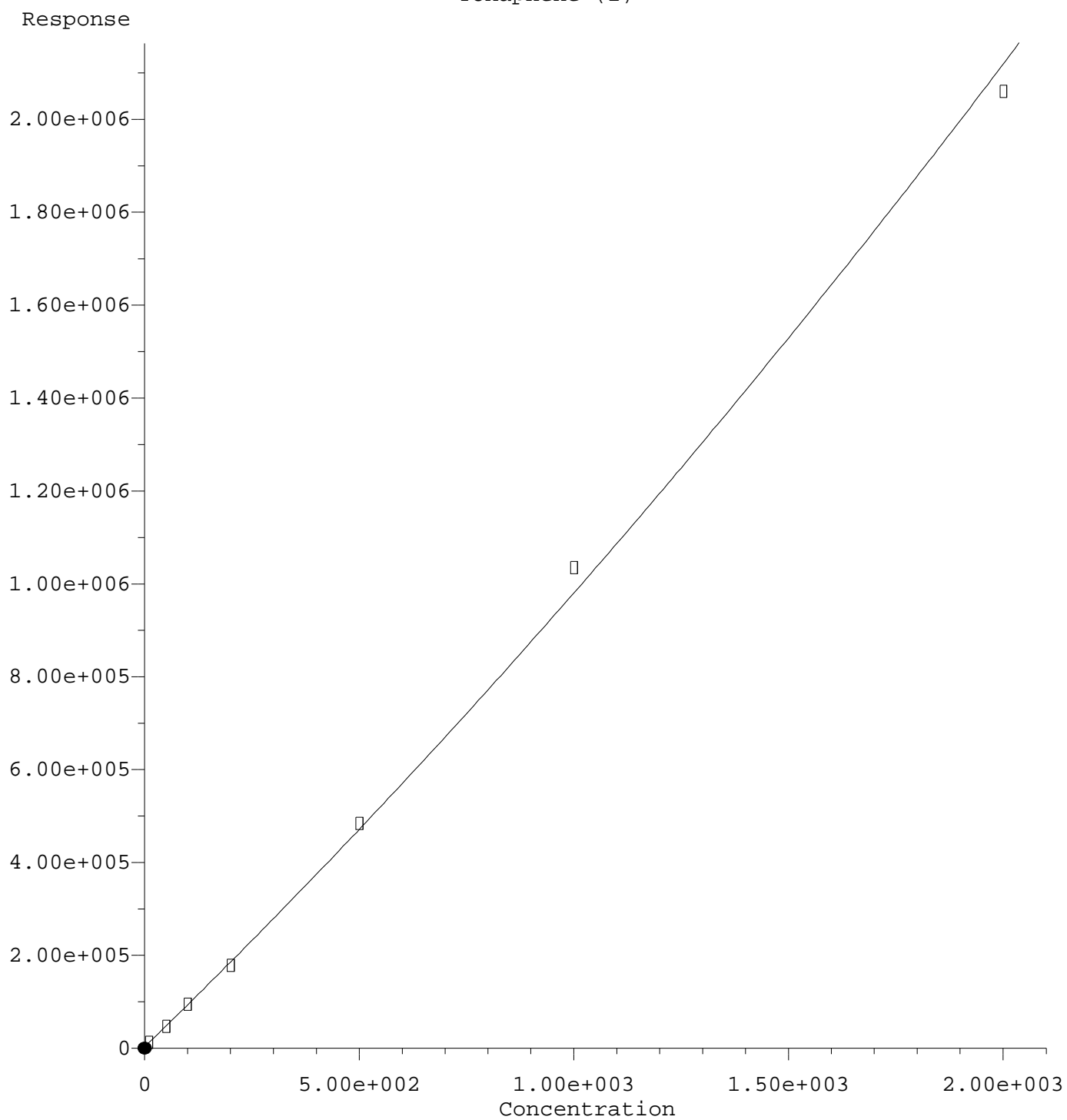


(34) Chlordane (3)
8.287min 11.190 ng/mL
response 90342

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

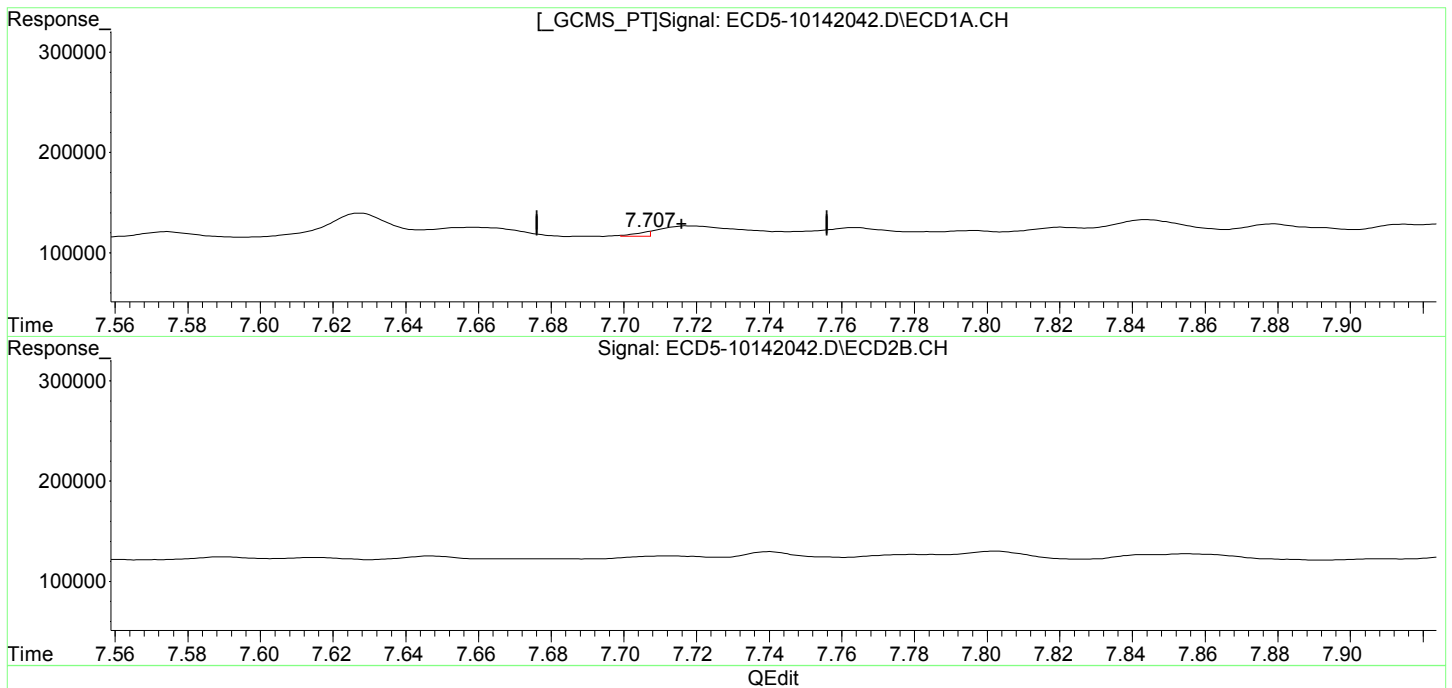
Calibration Table Last Updated: Thu Oct 15 11:14:22 2020

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

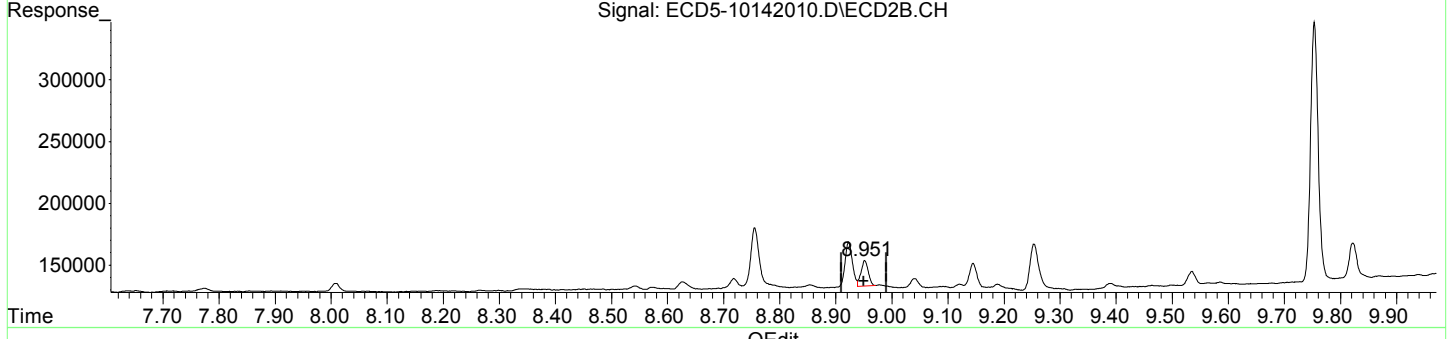
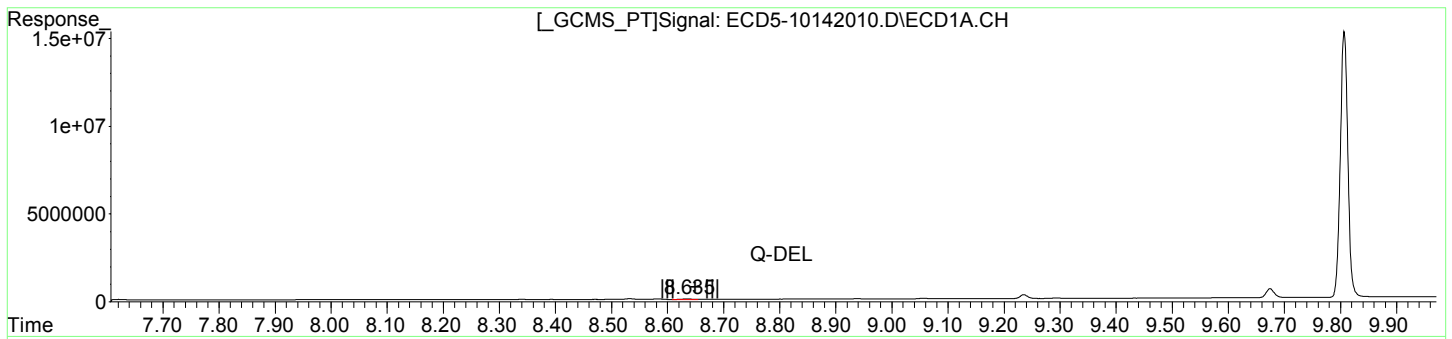
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

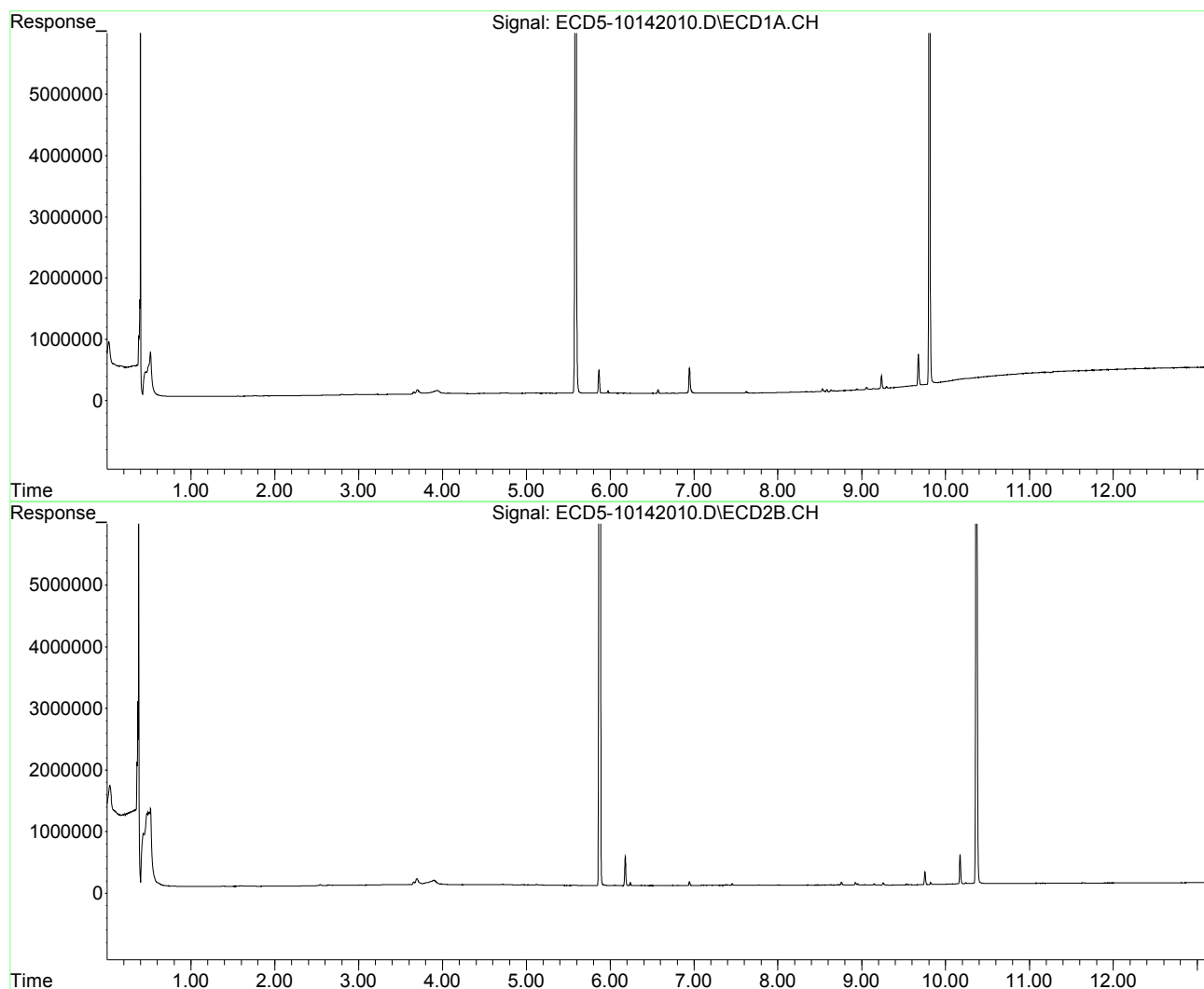
(18) Endrin Aldehyde #2
8.952min -0.227 ng/mL
response 20605

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

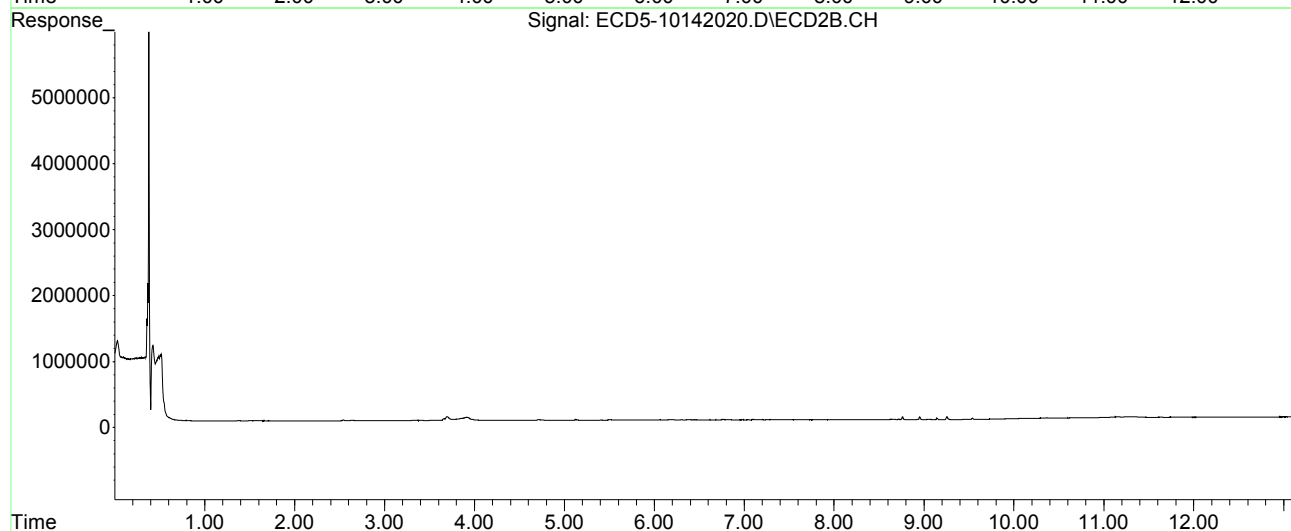
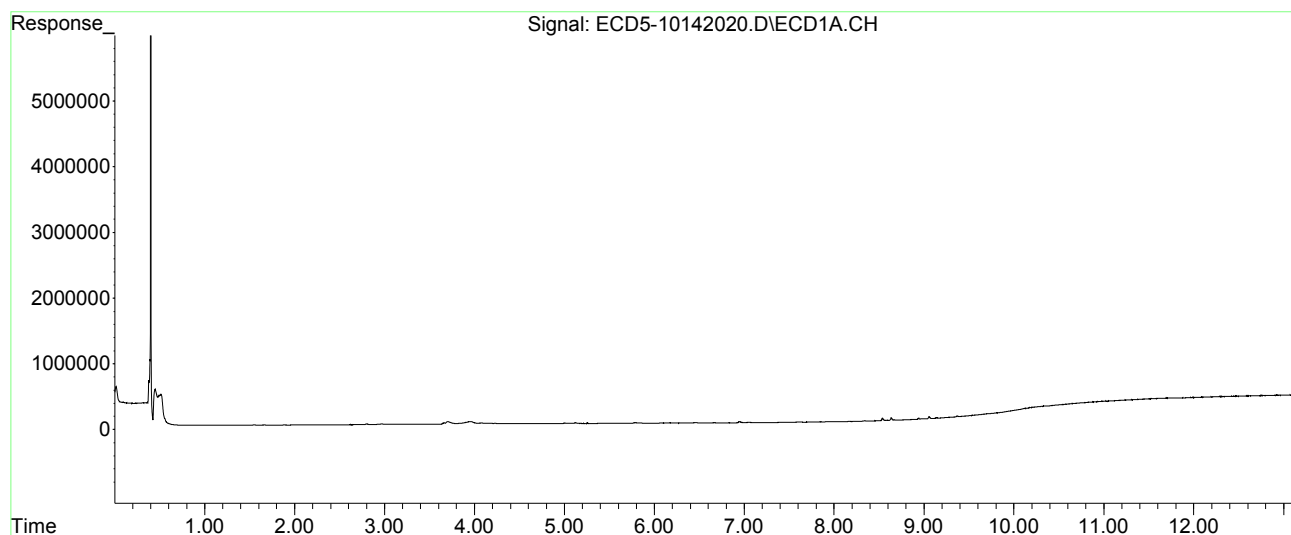
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

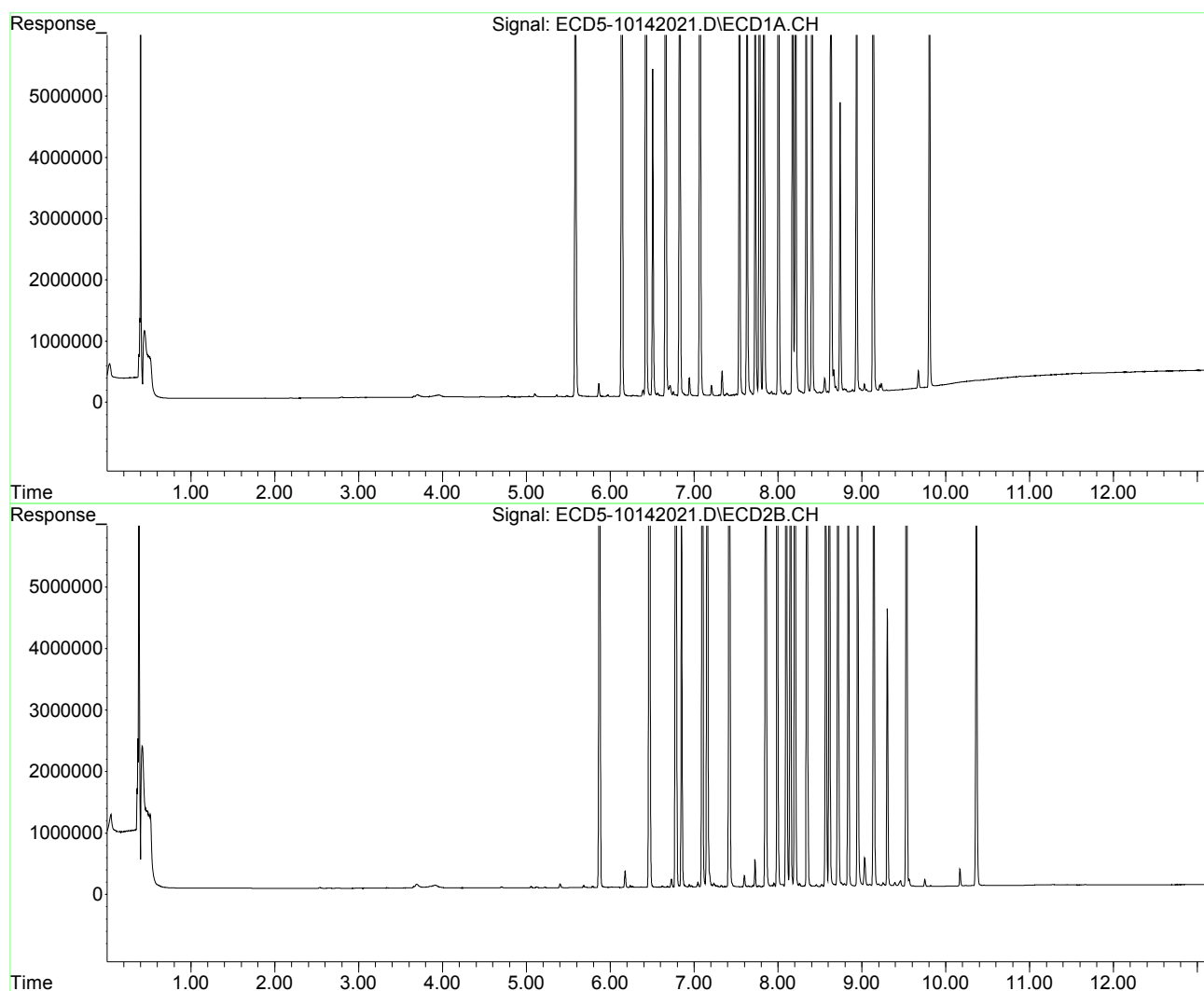
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

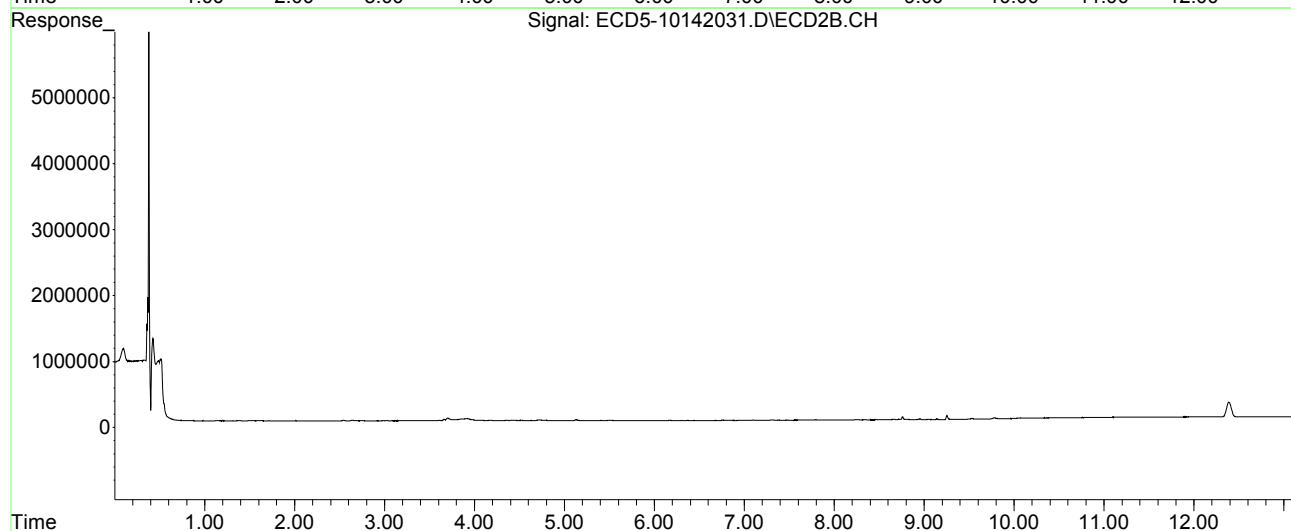
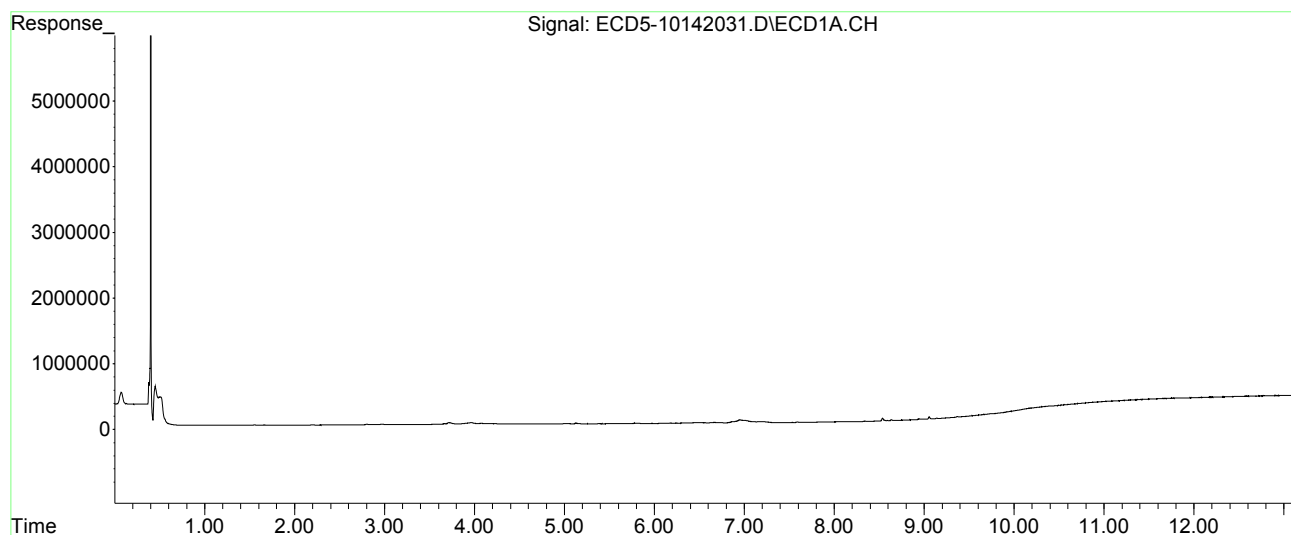
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

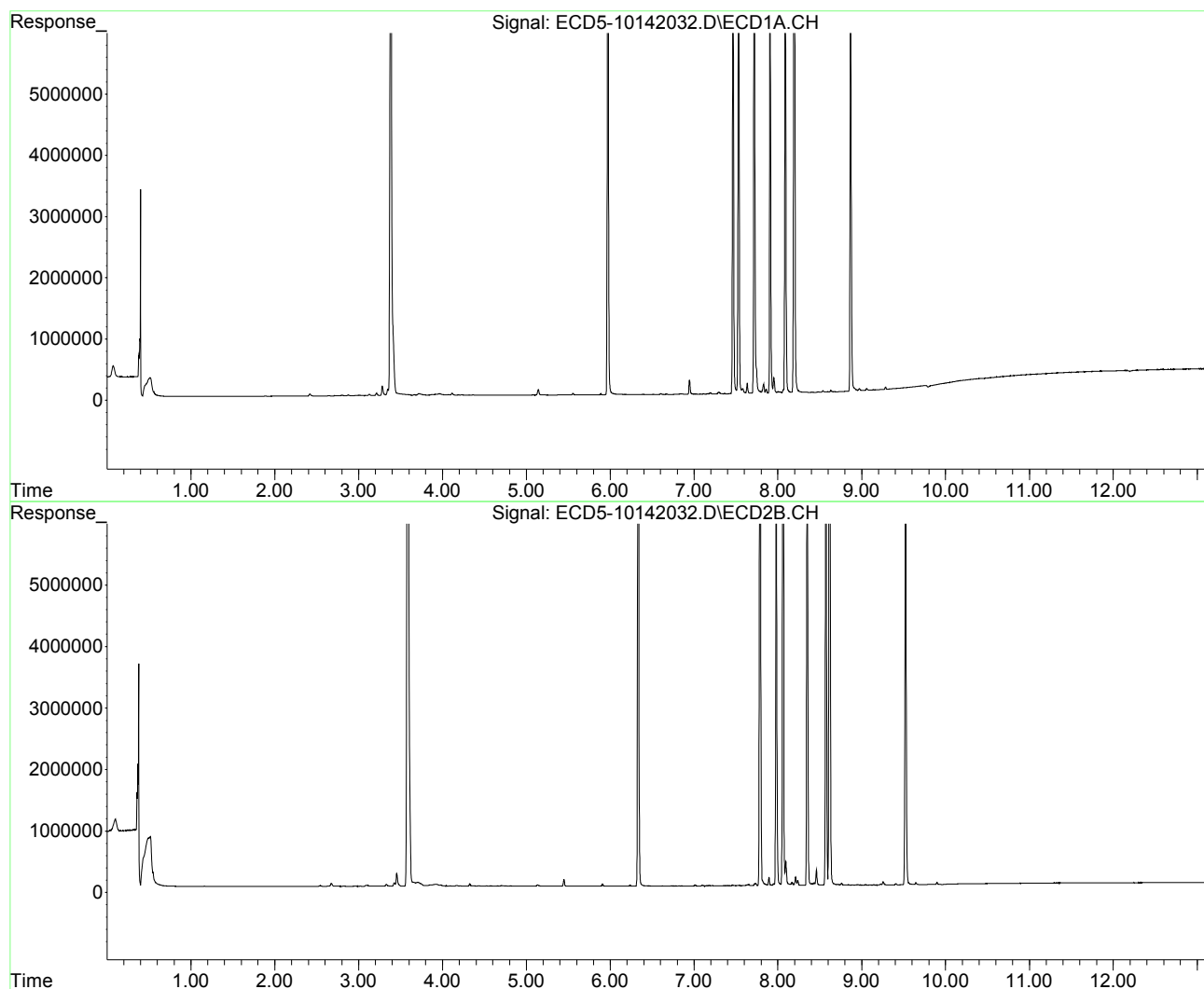
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

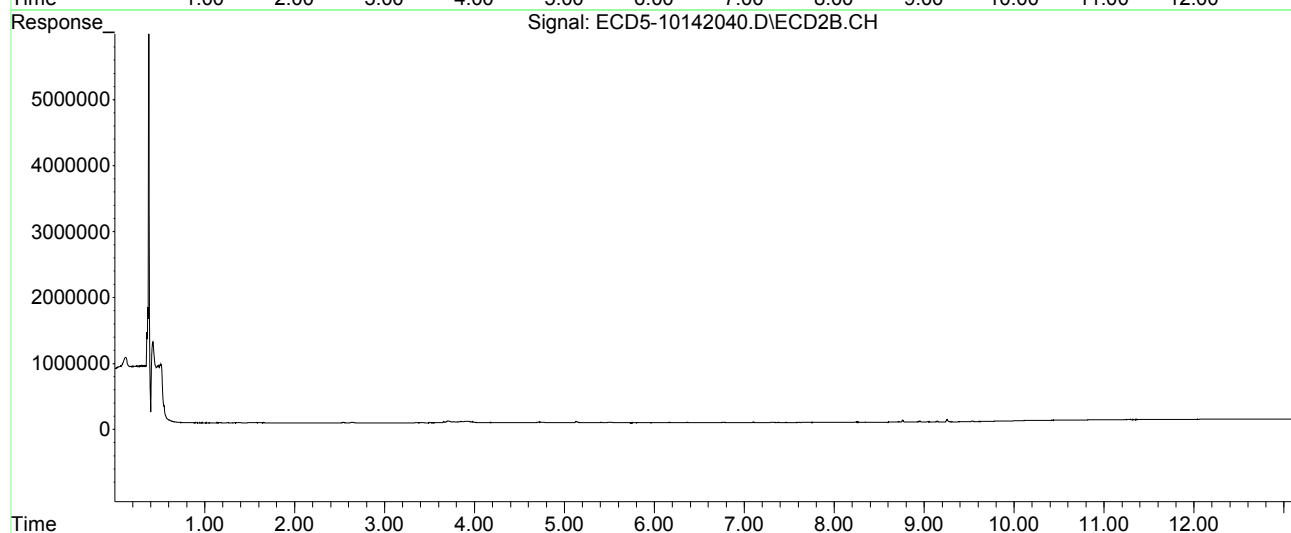
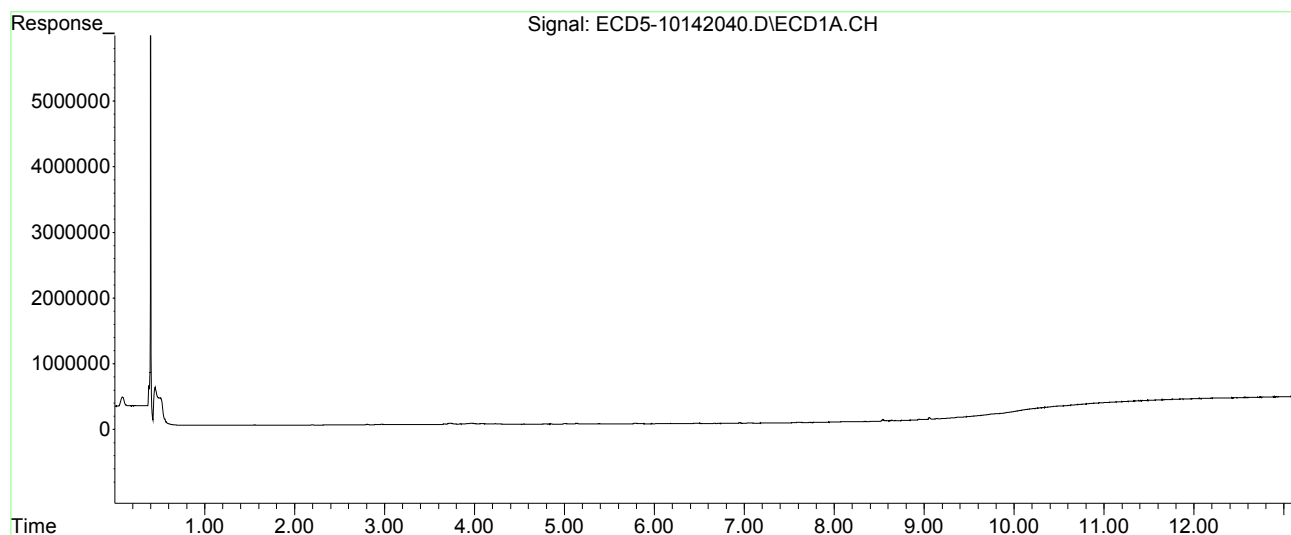
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

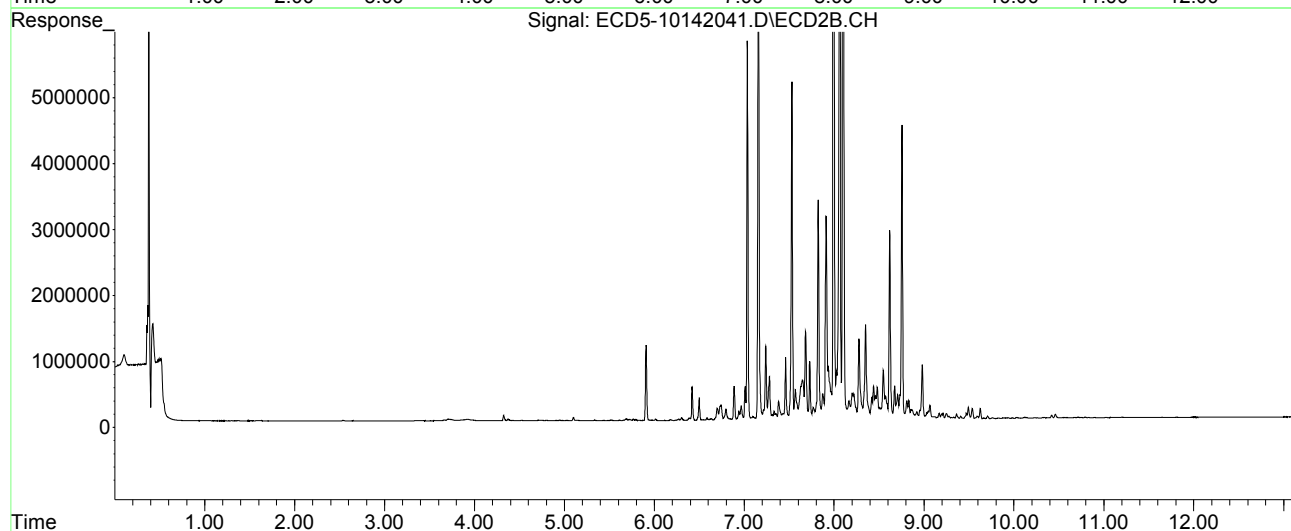
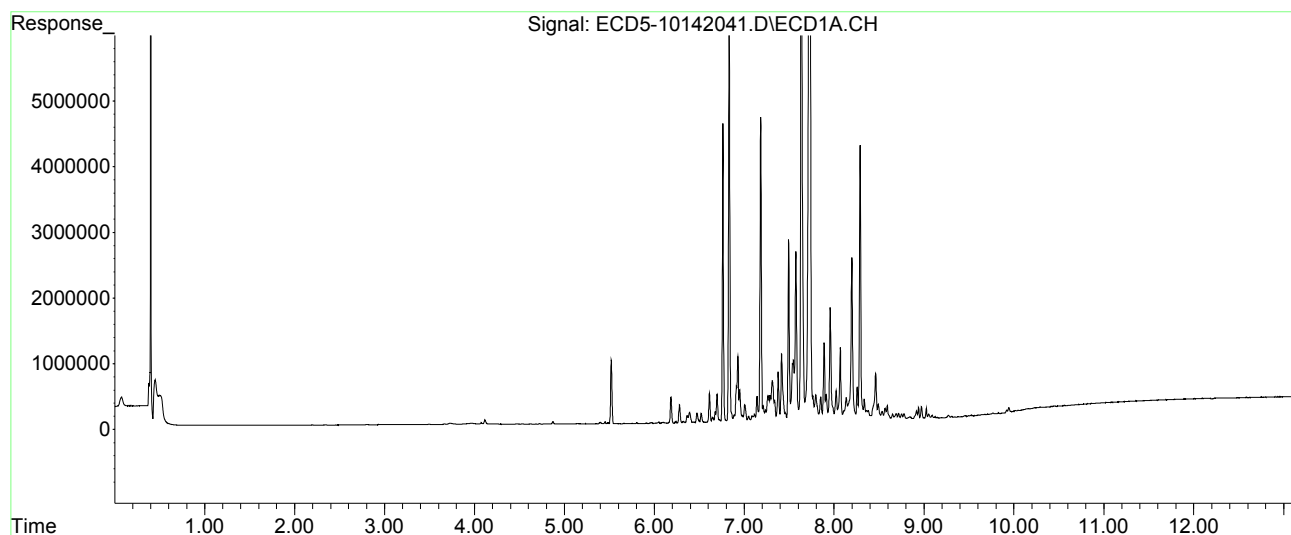
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



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.	

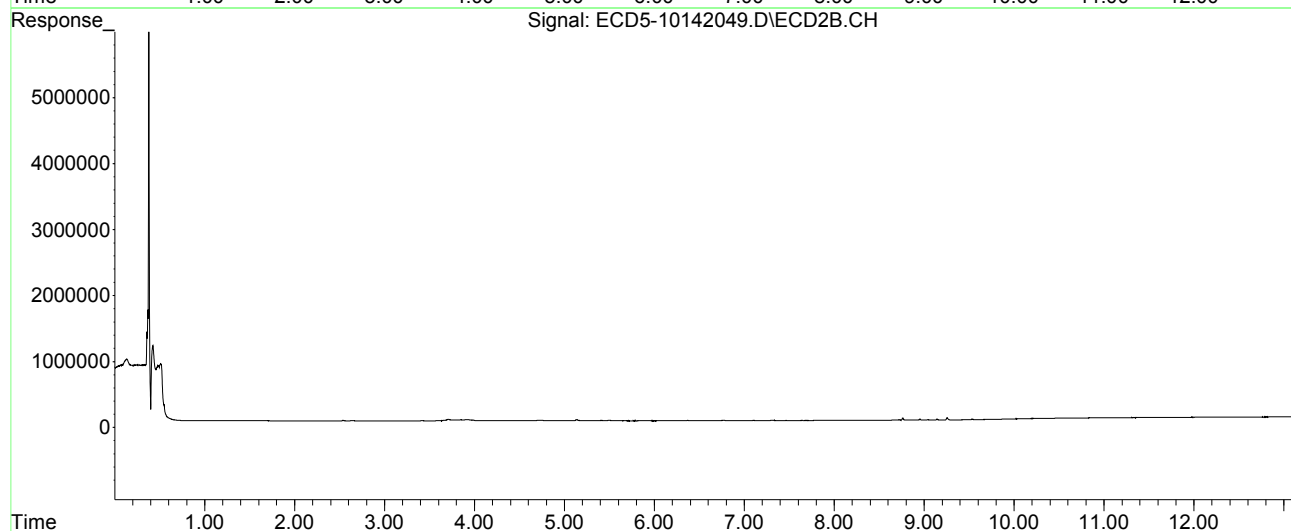
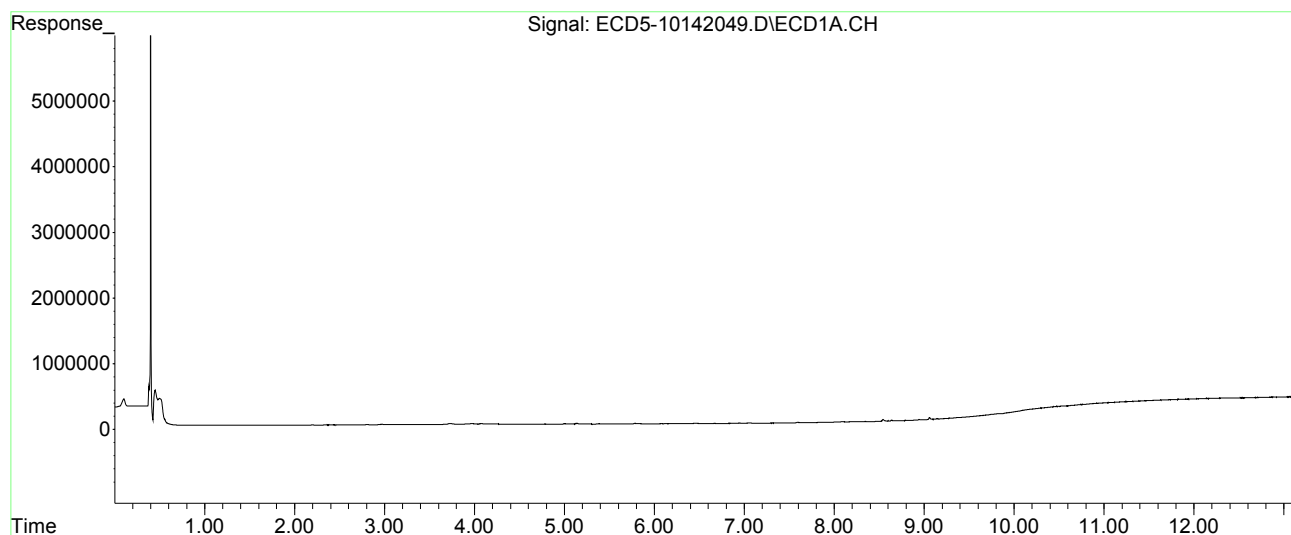
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

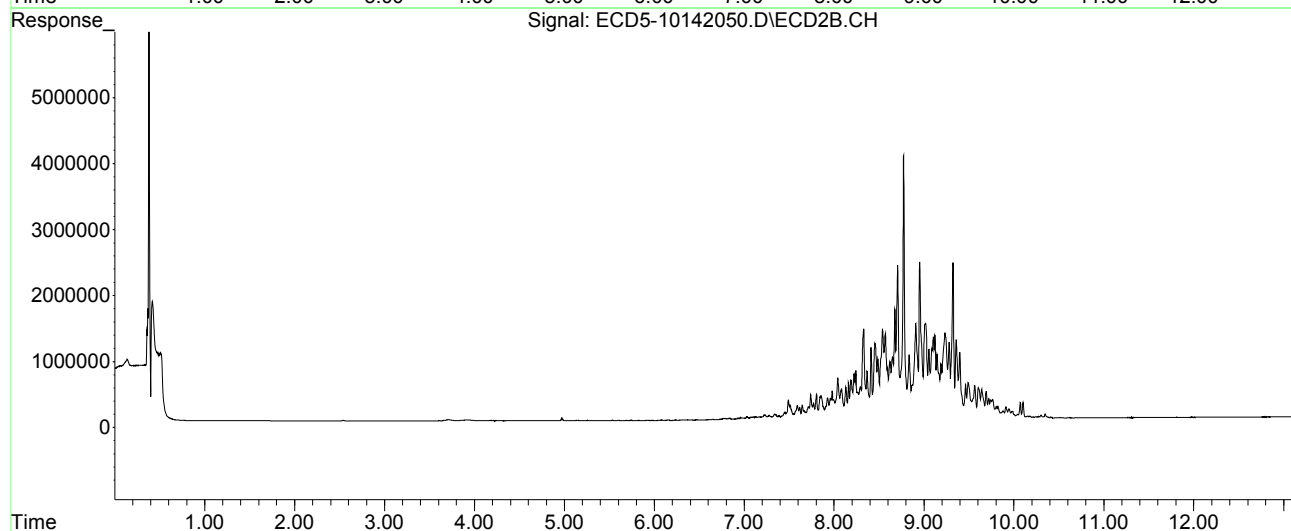
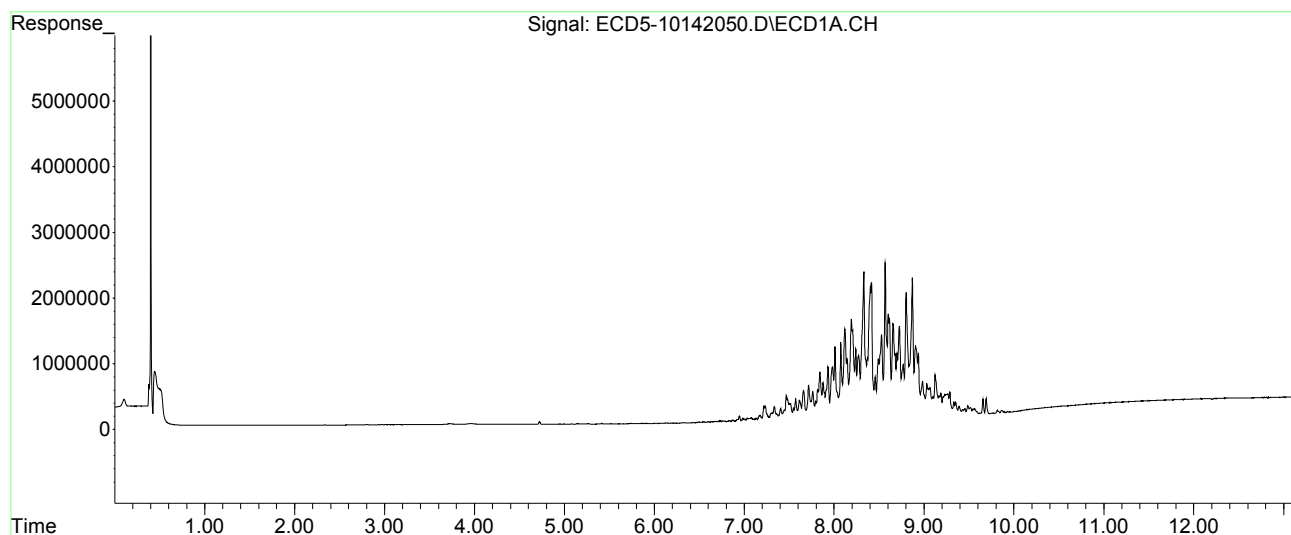
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

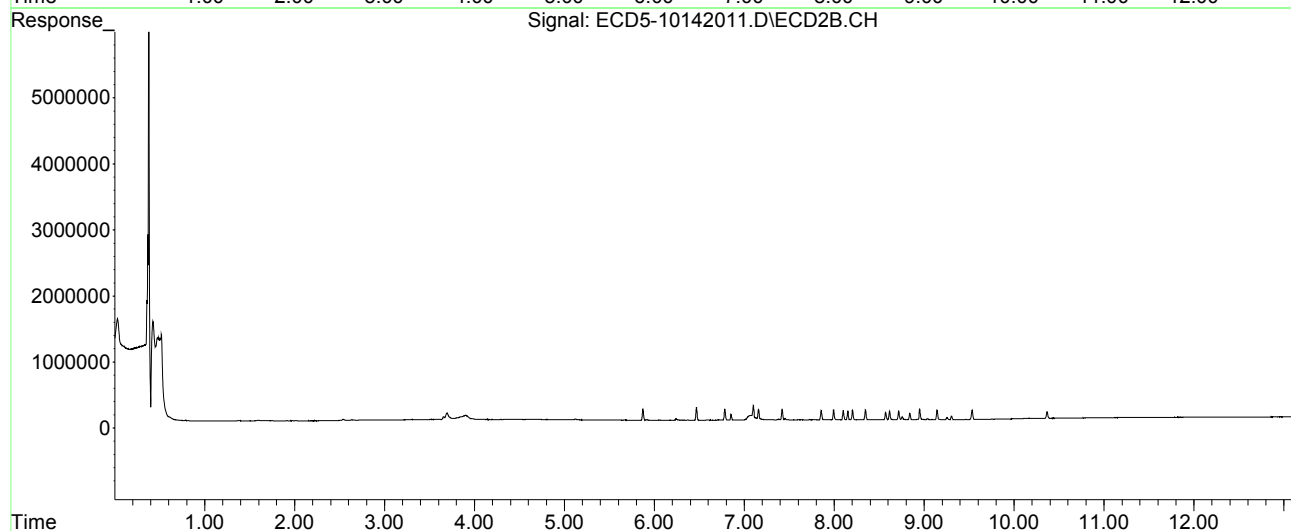
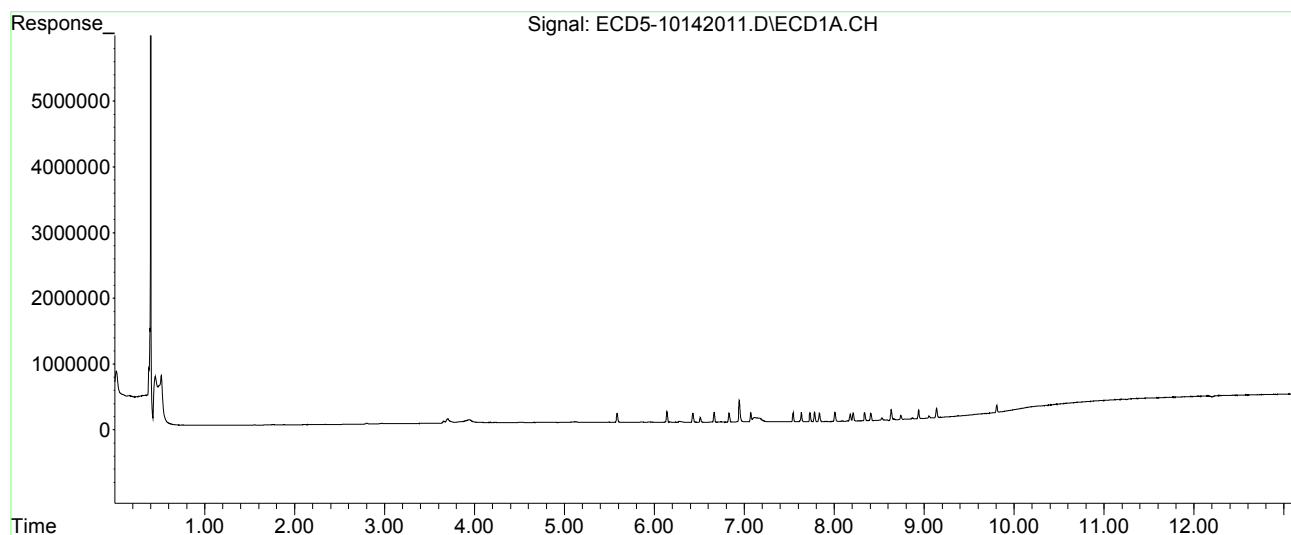
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

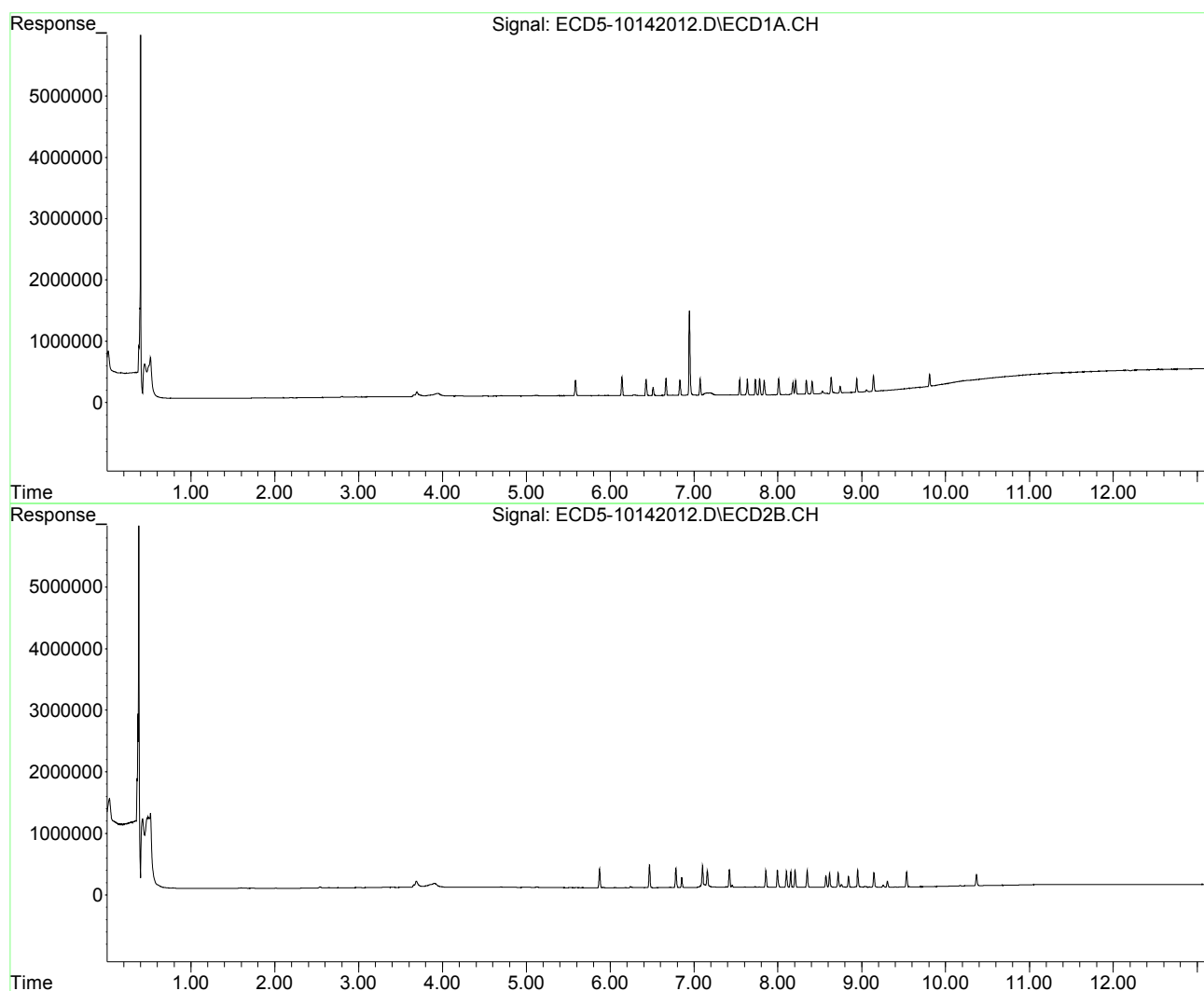
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

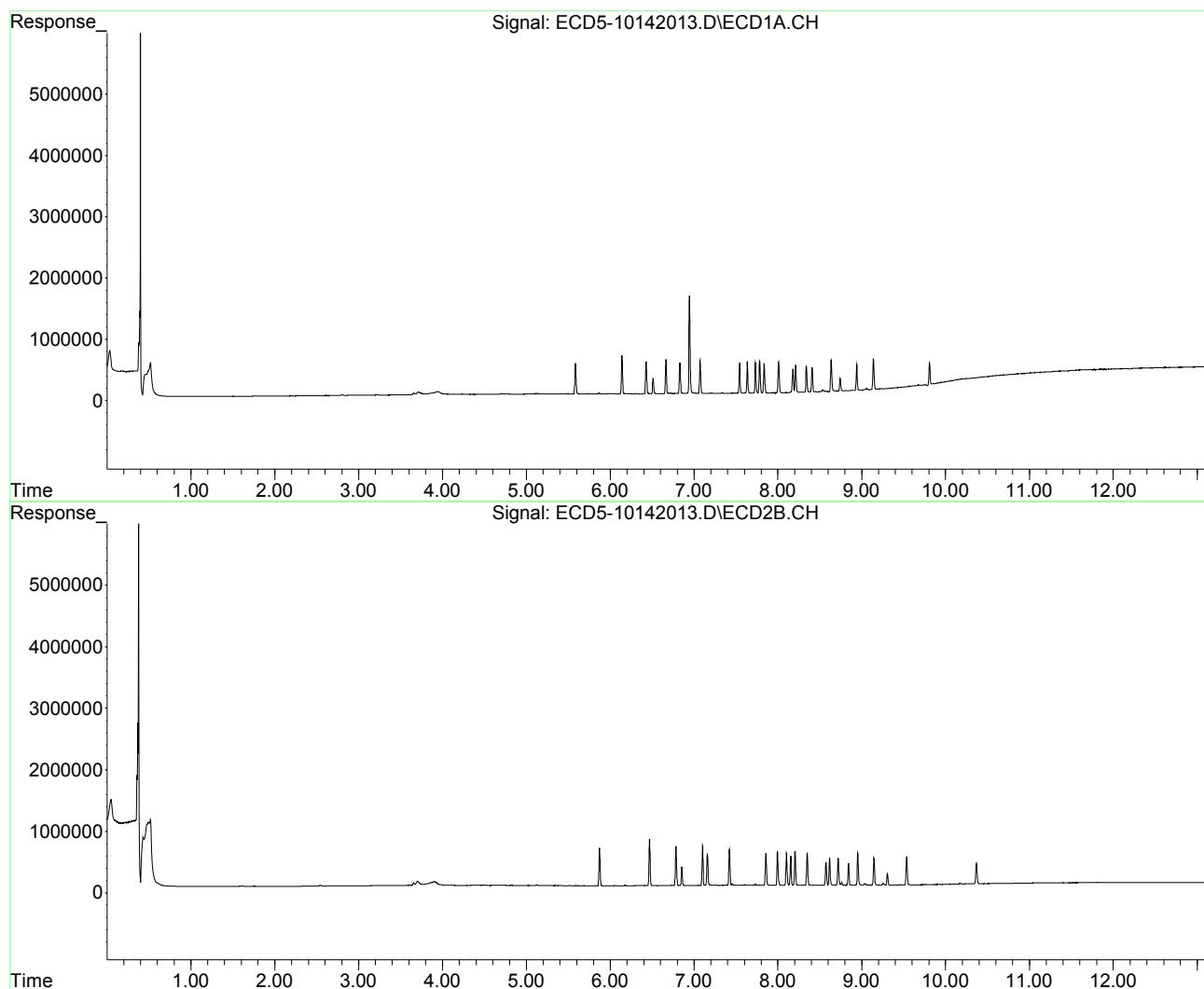
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

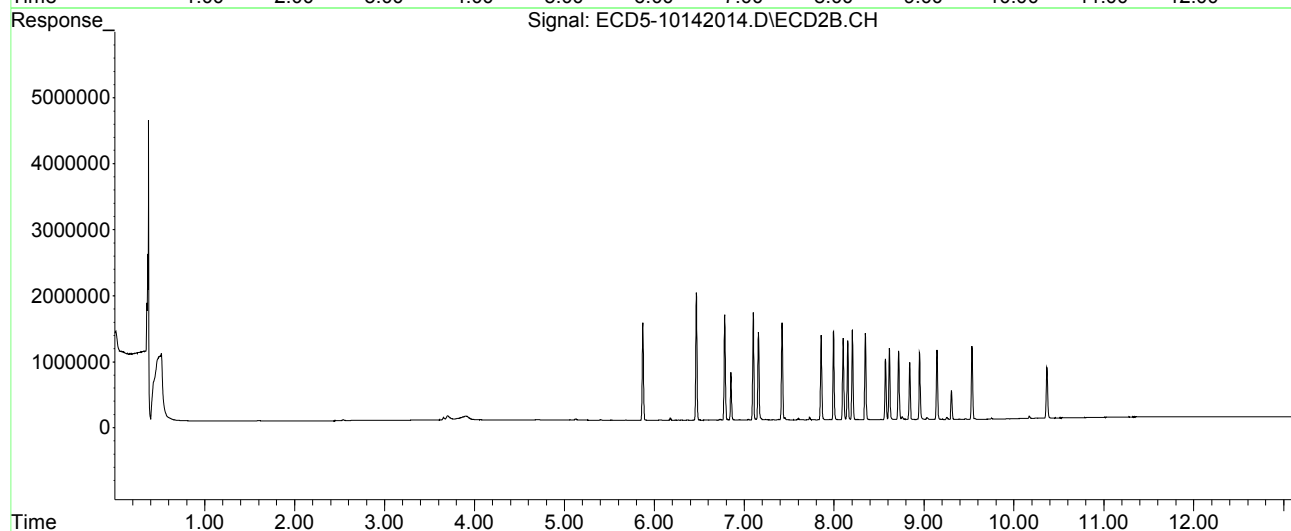
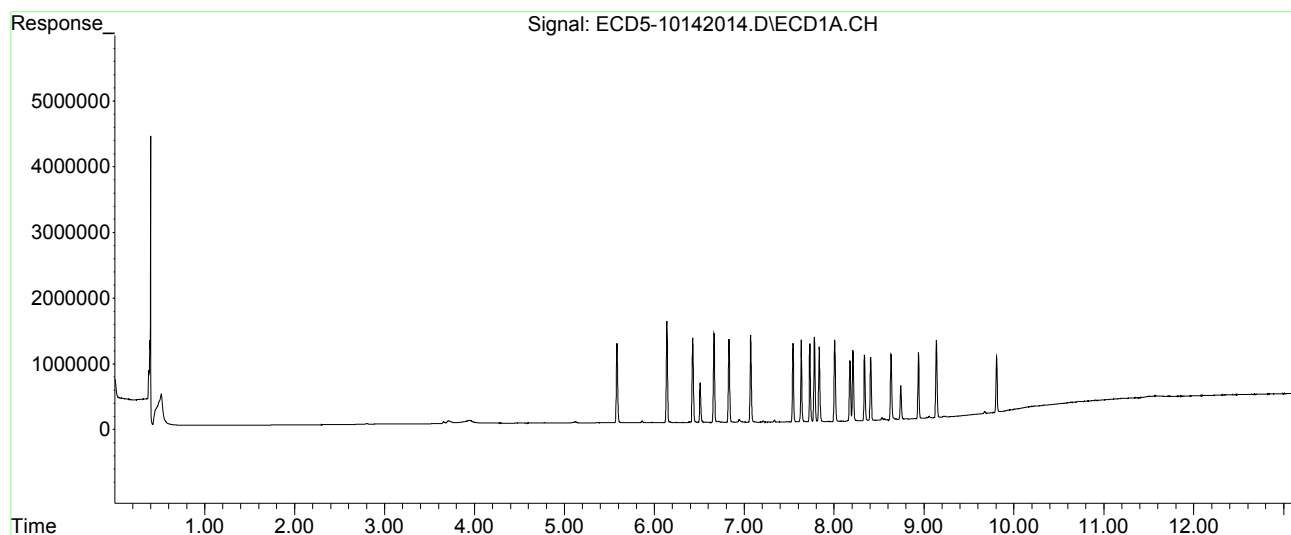
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

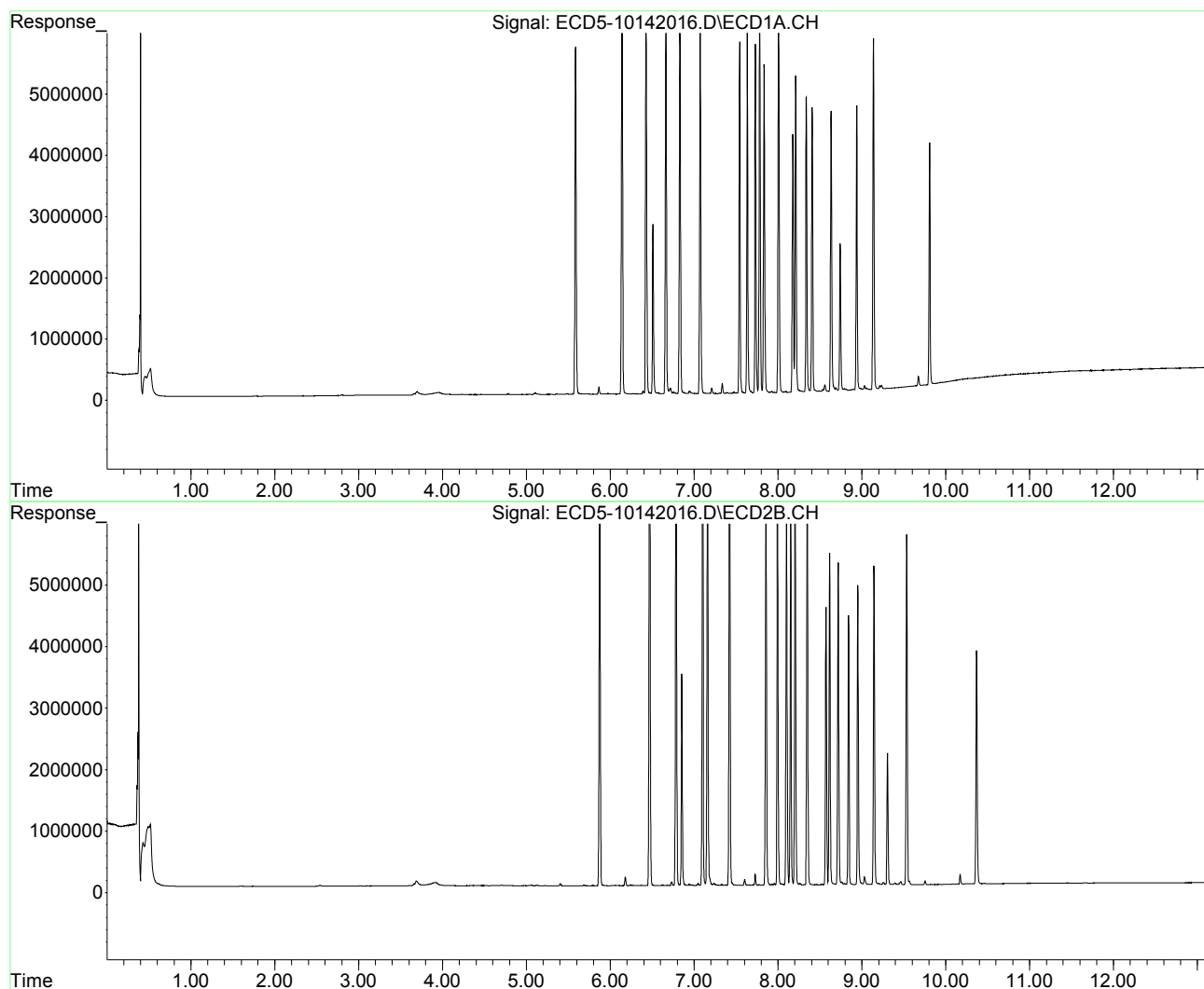
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

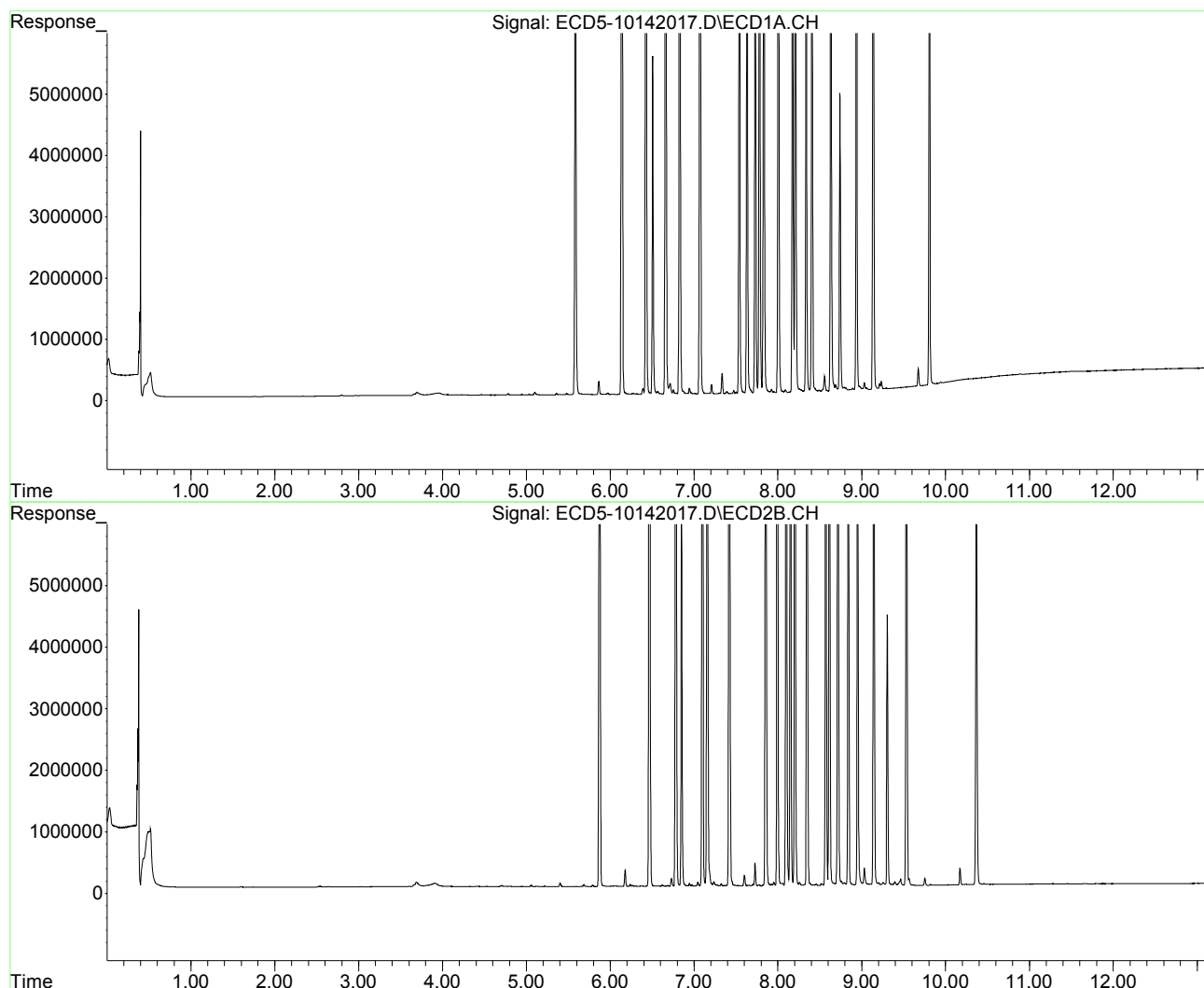
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

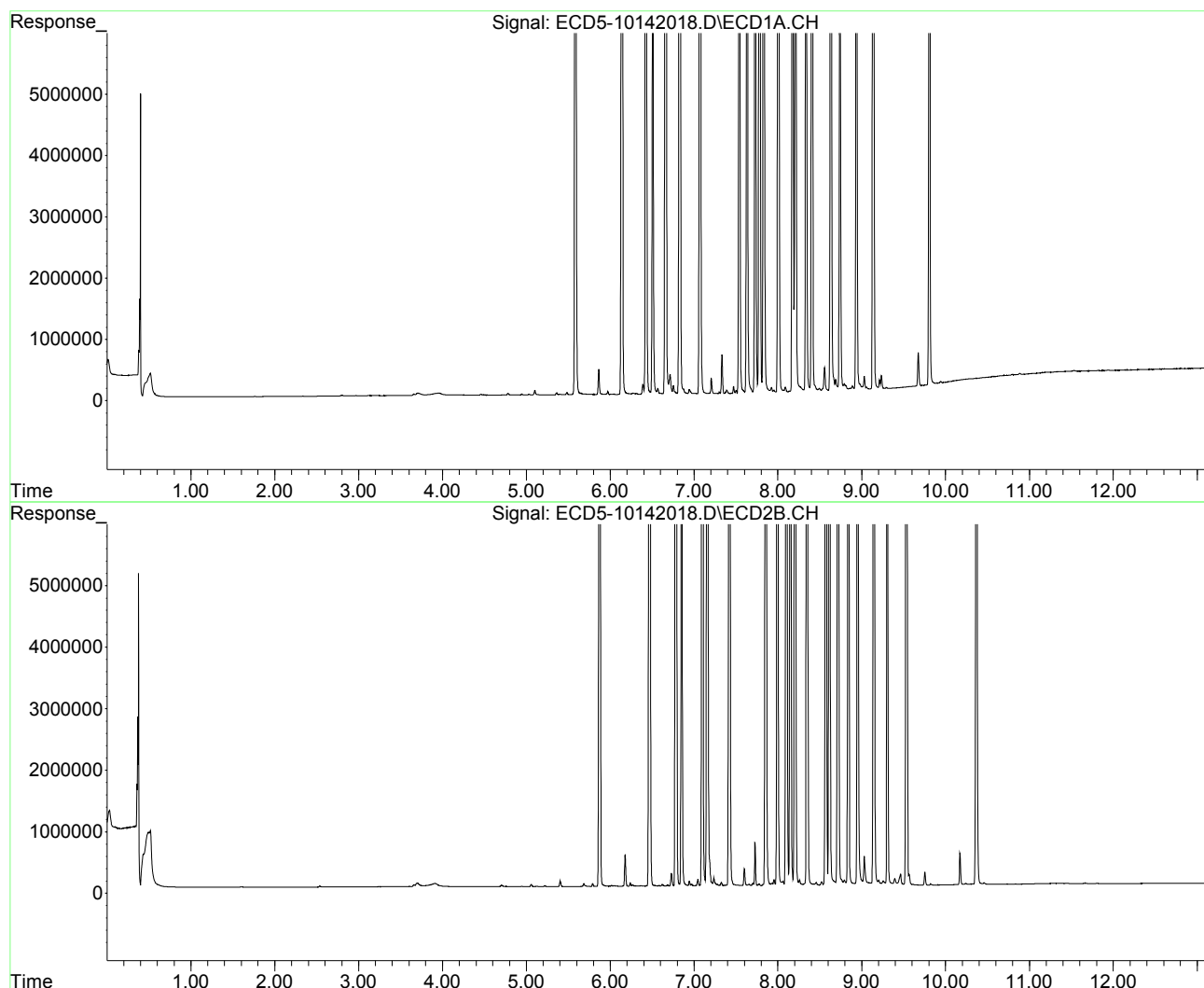
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

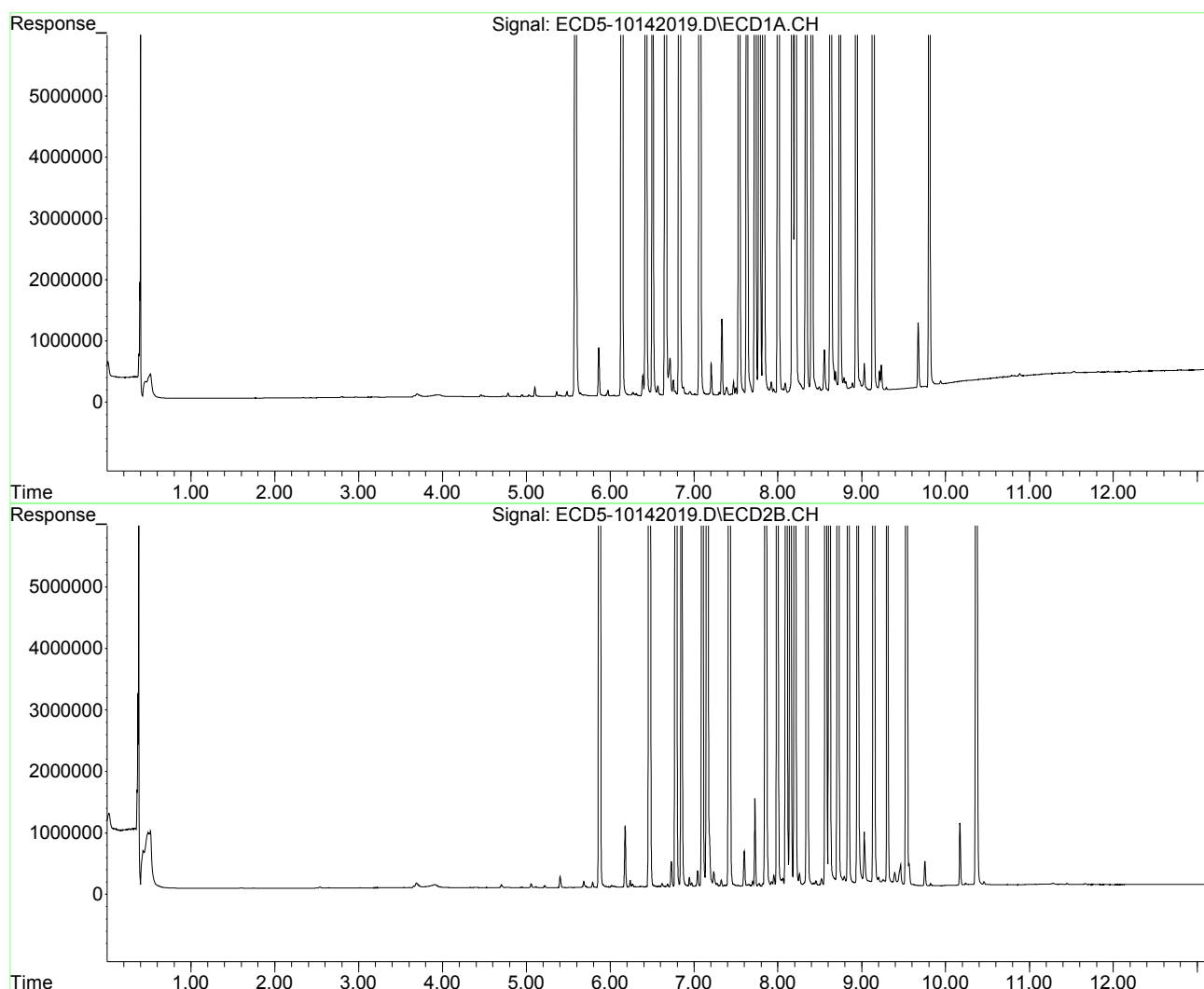
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

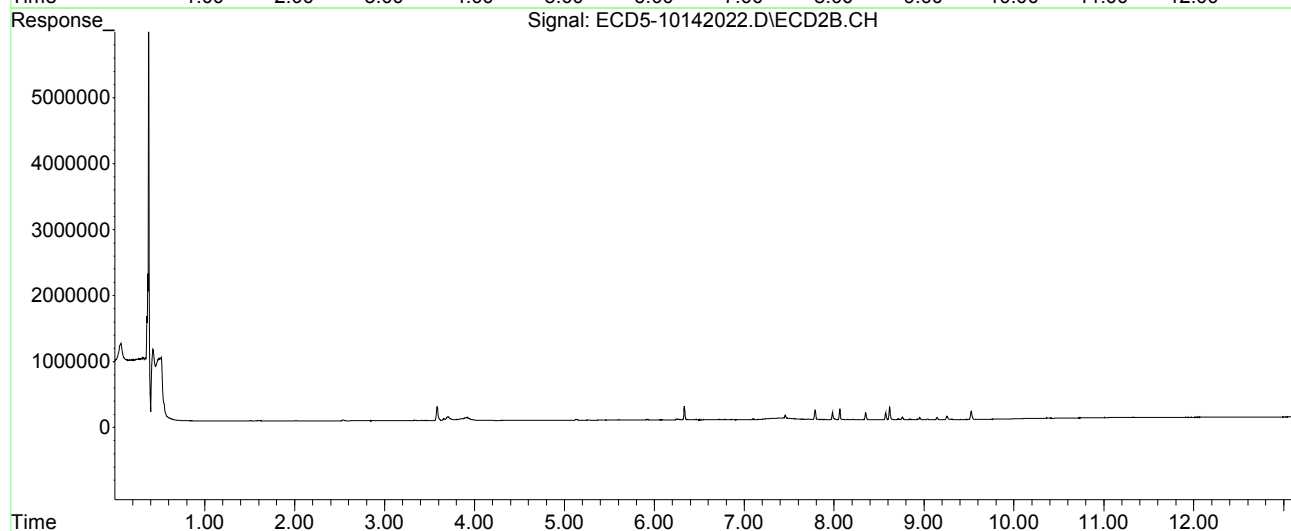
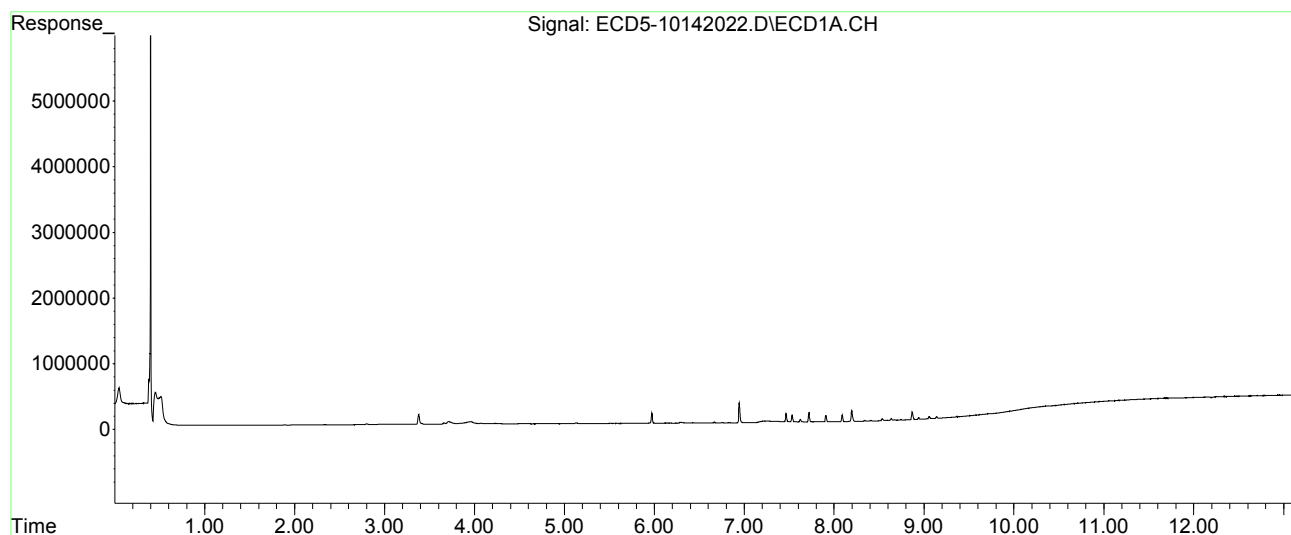
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

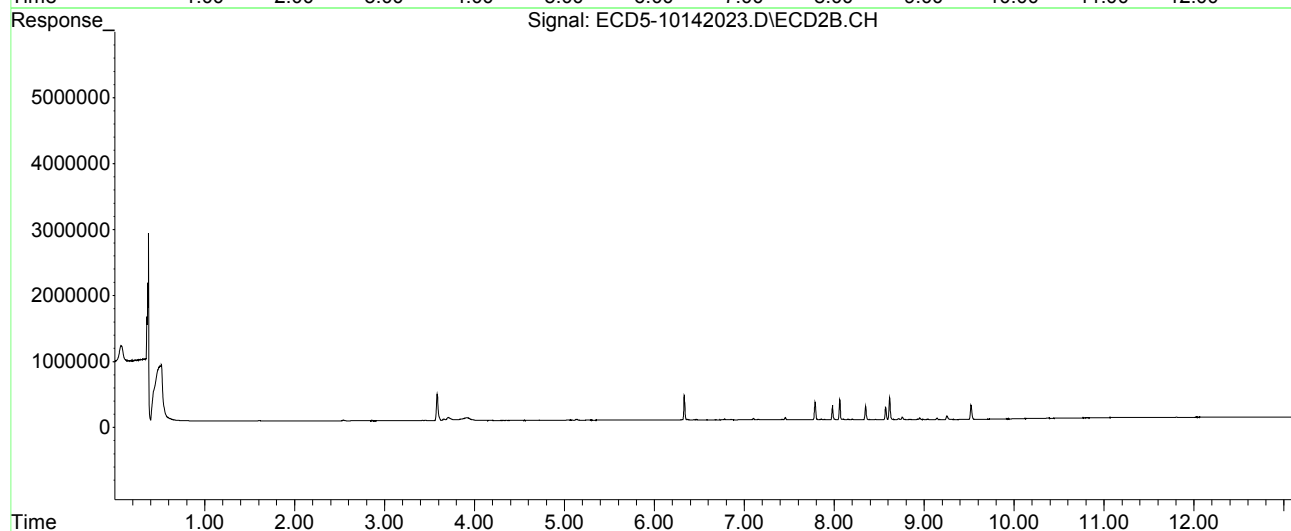
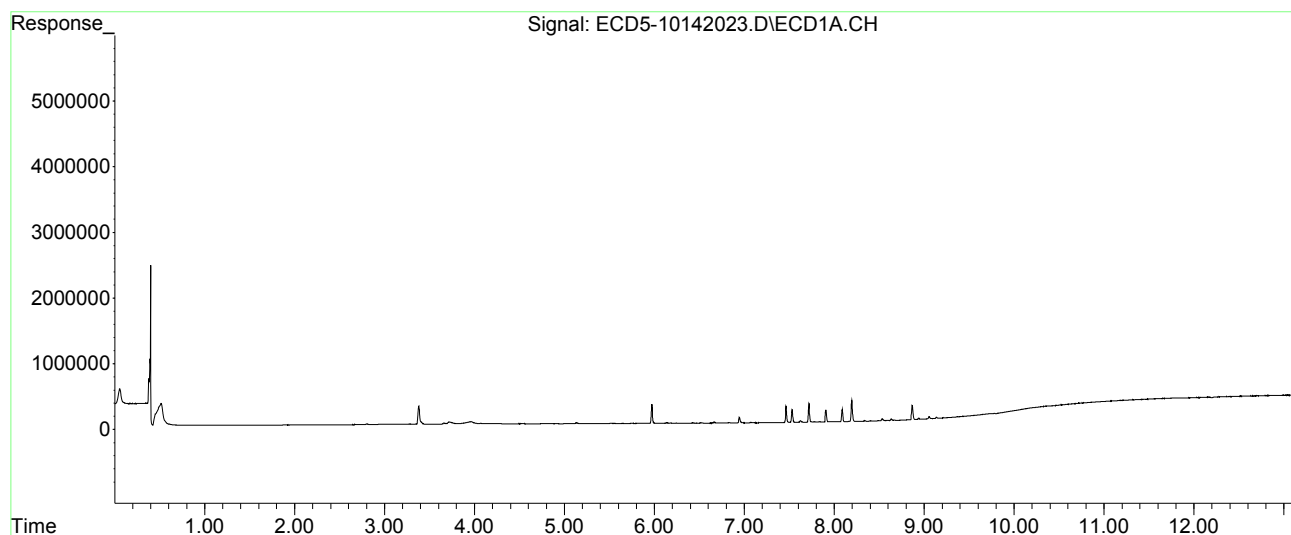
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

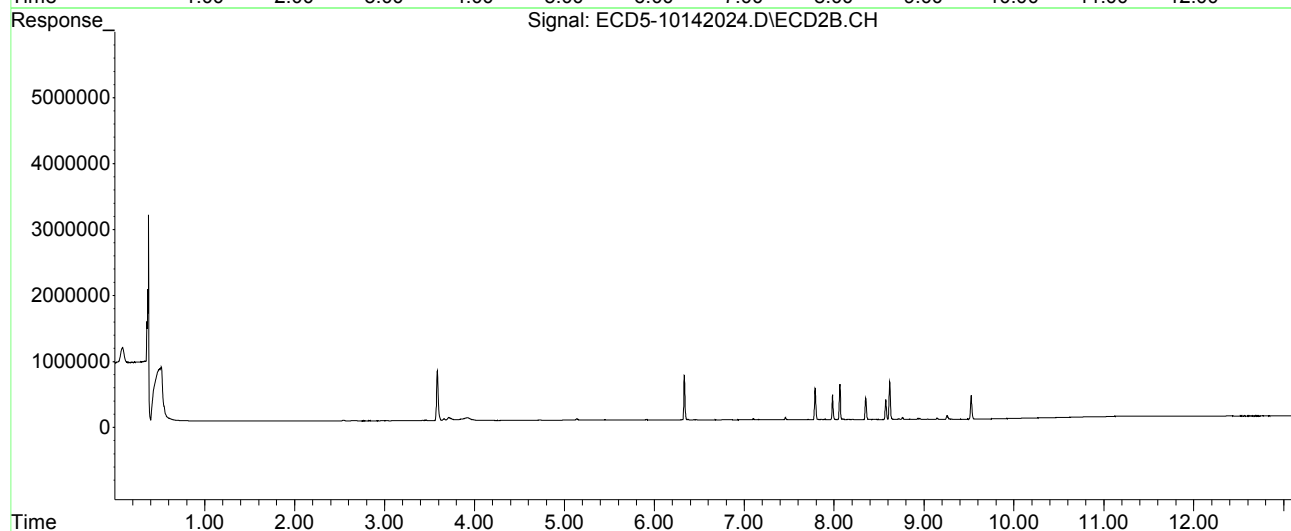
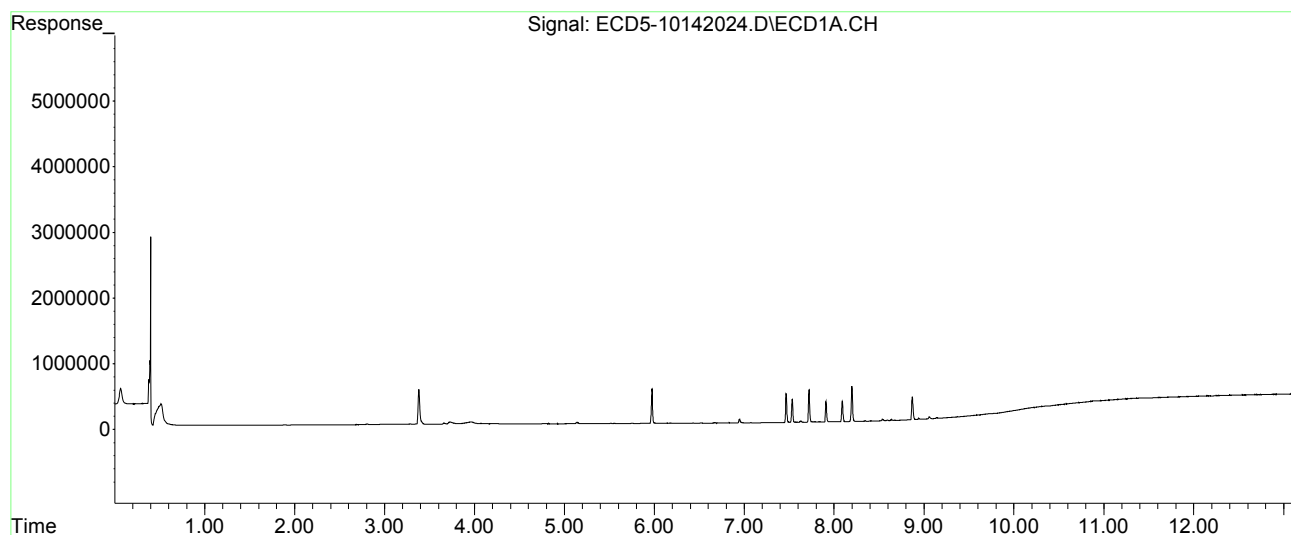
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

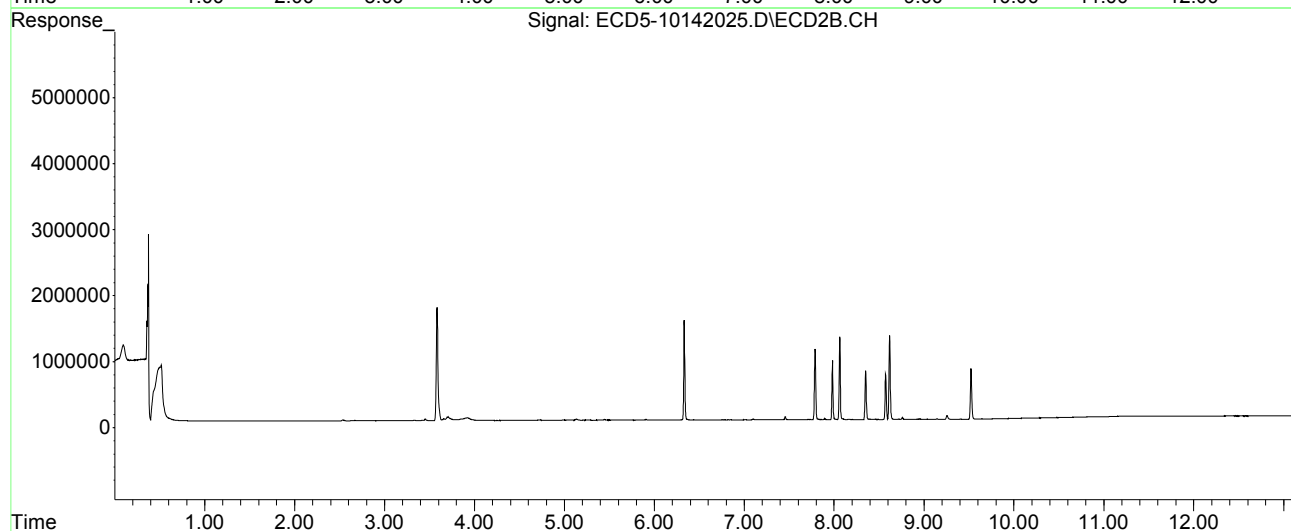
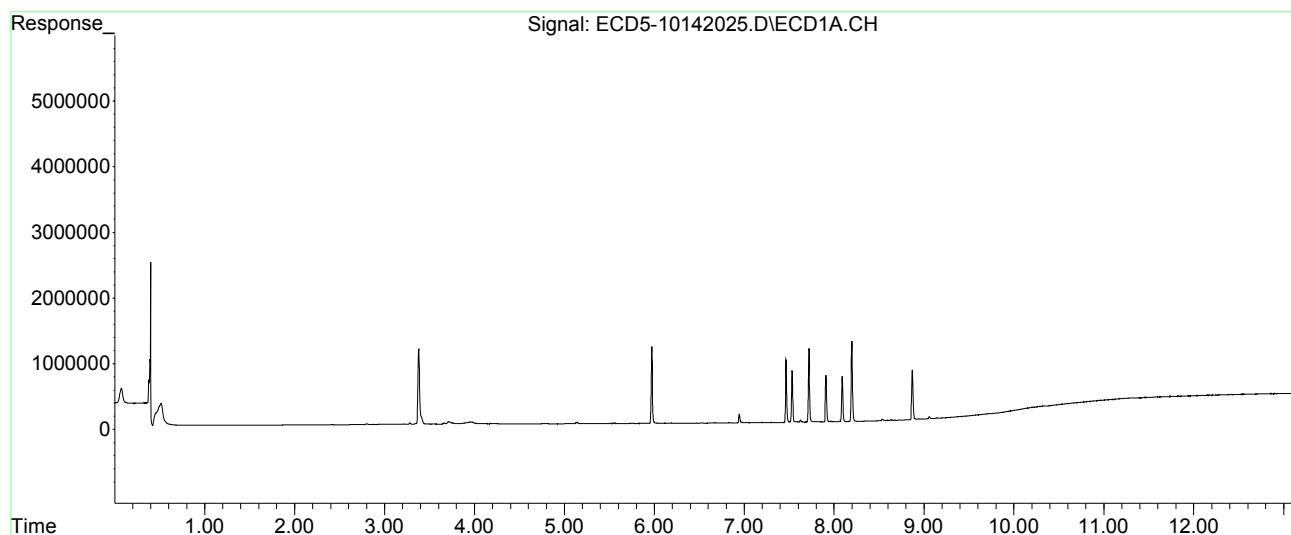
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

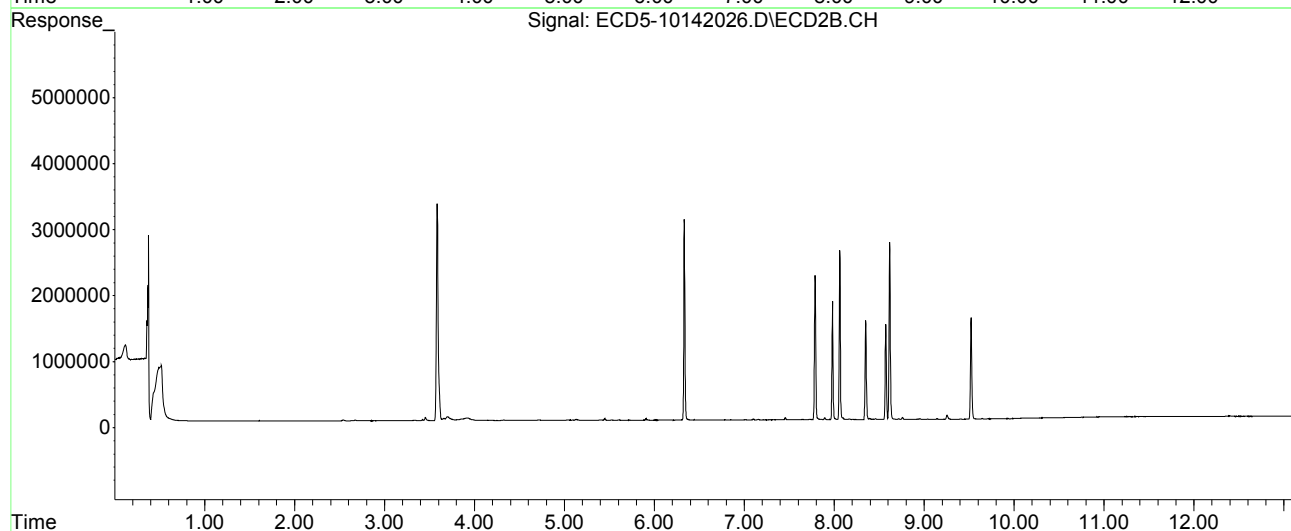
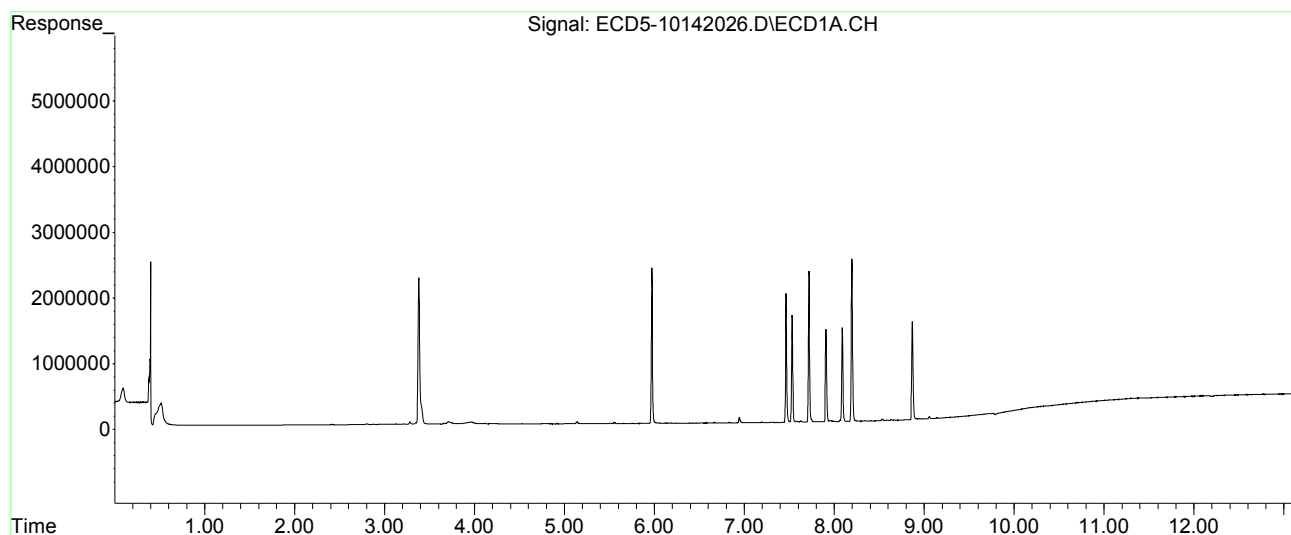
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

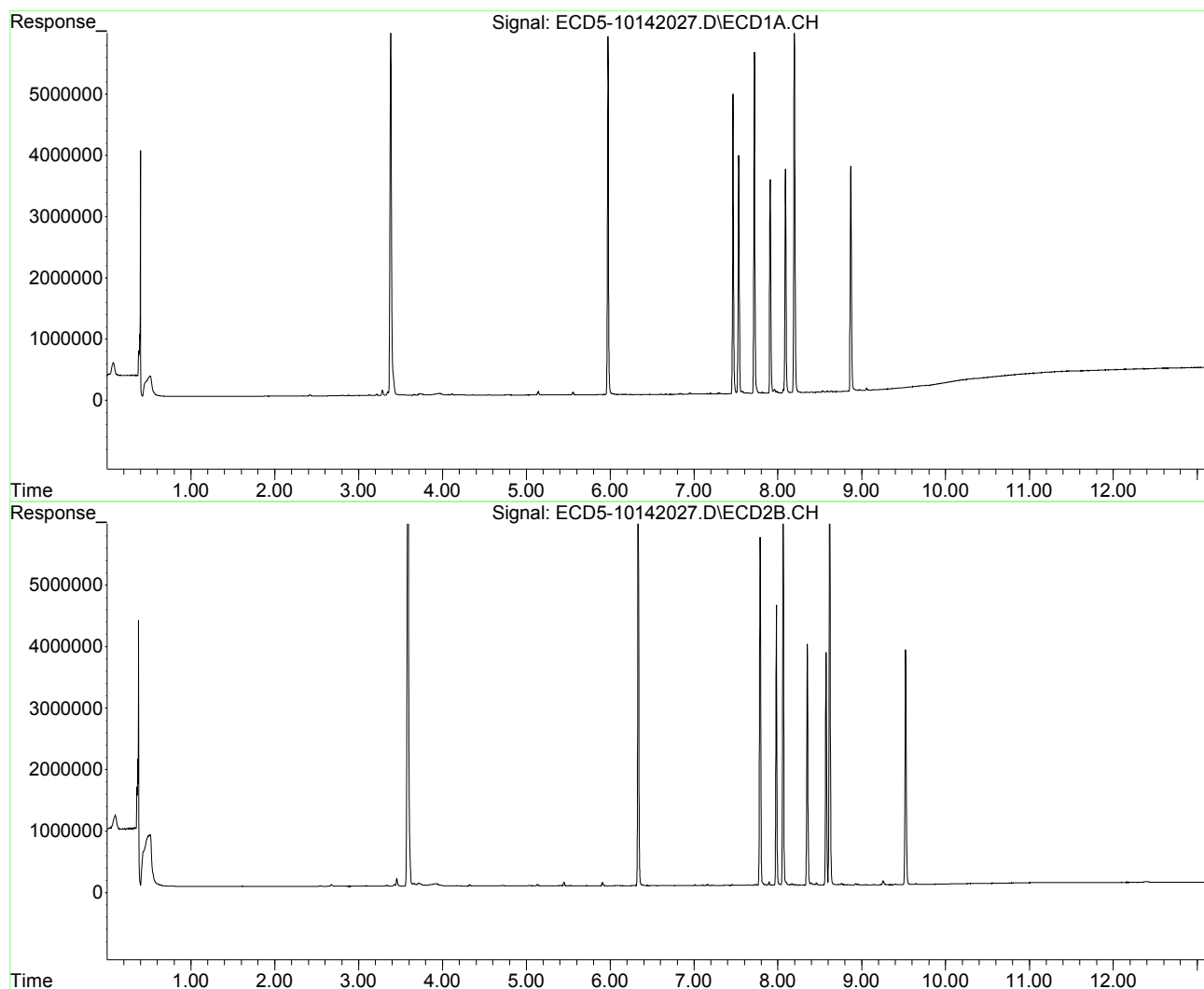
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

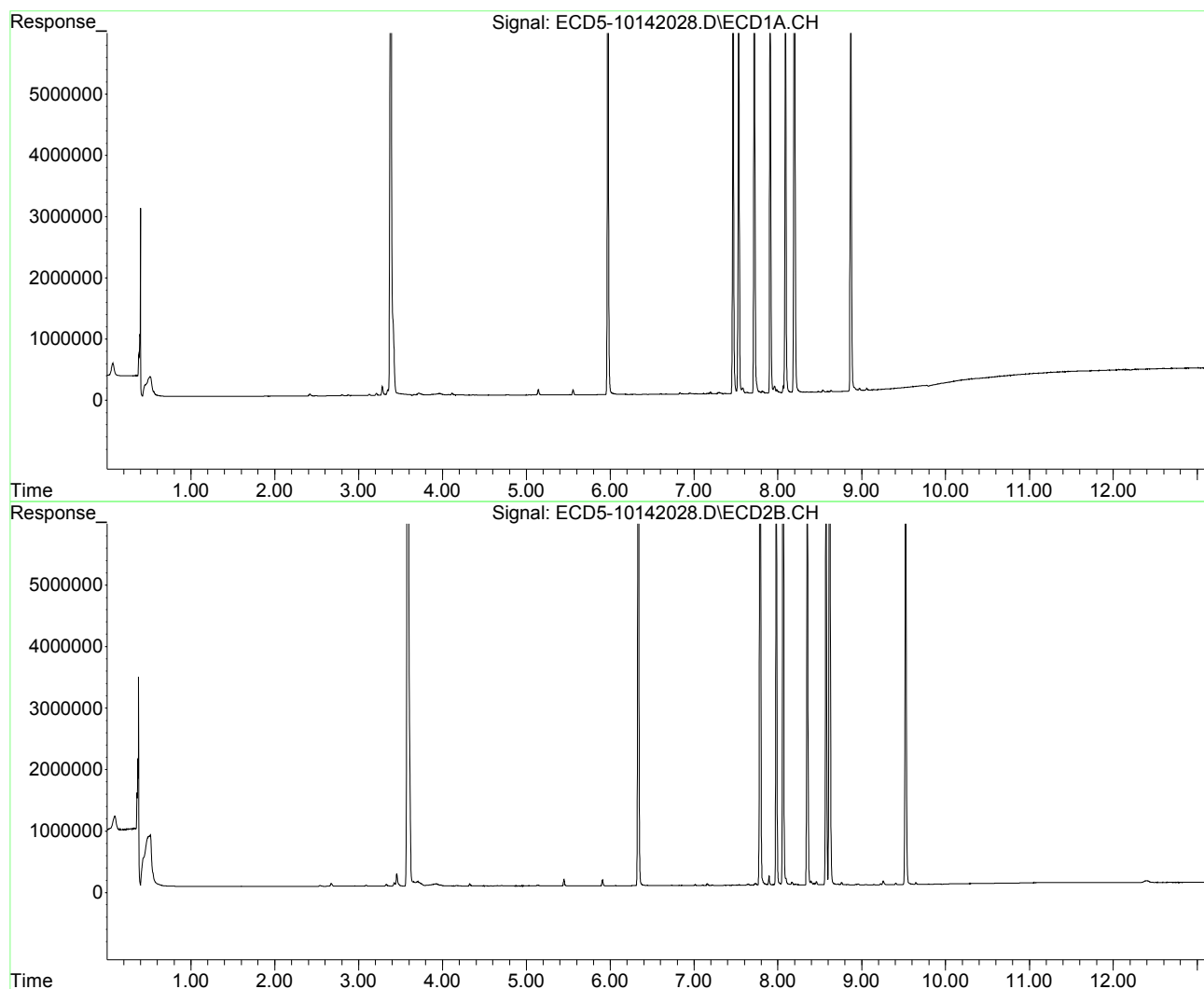
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

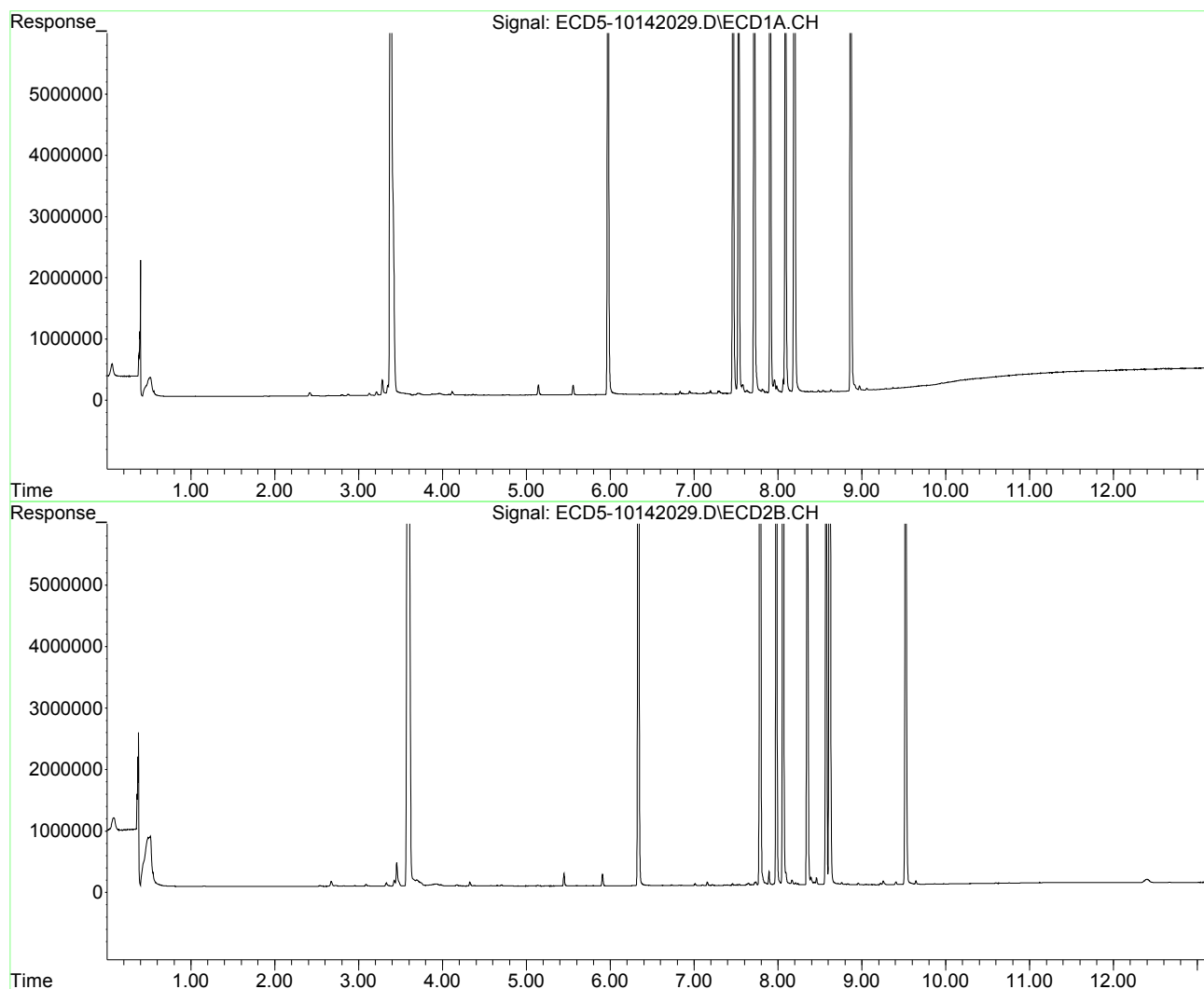
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

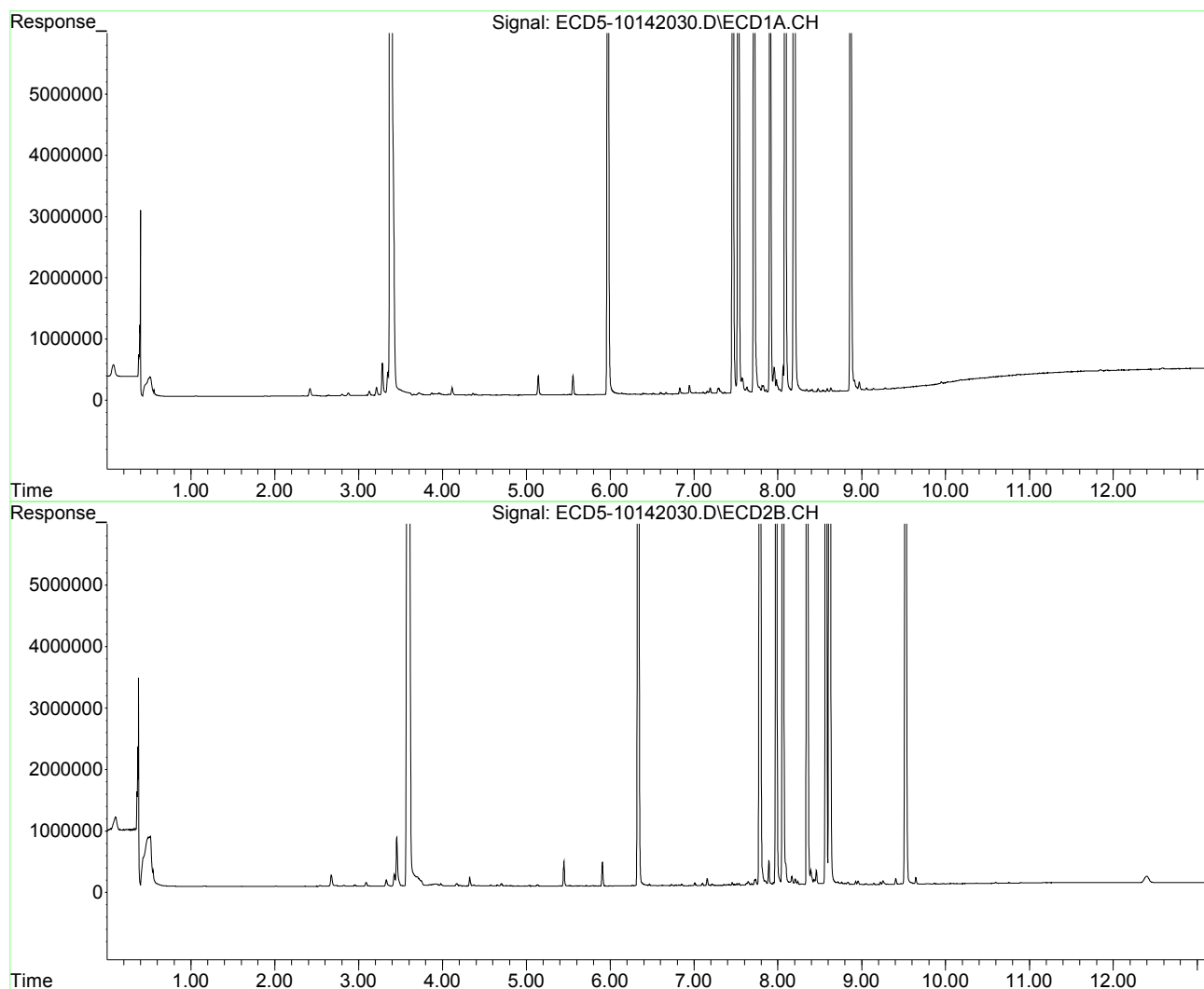
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

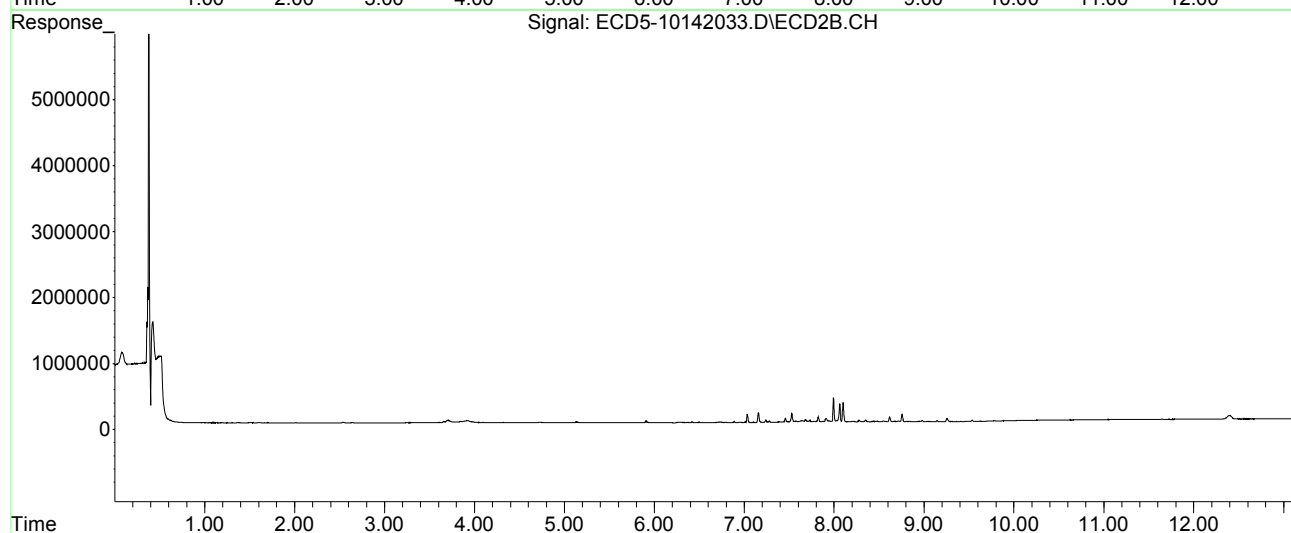
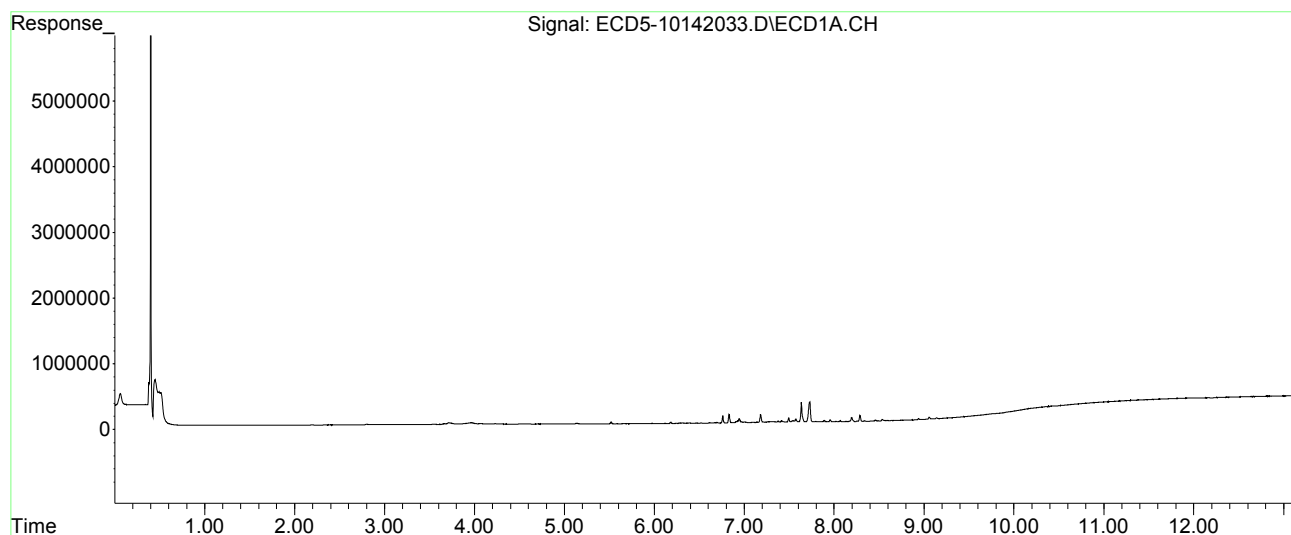
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/15/20

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	

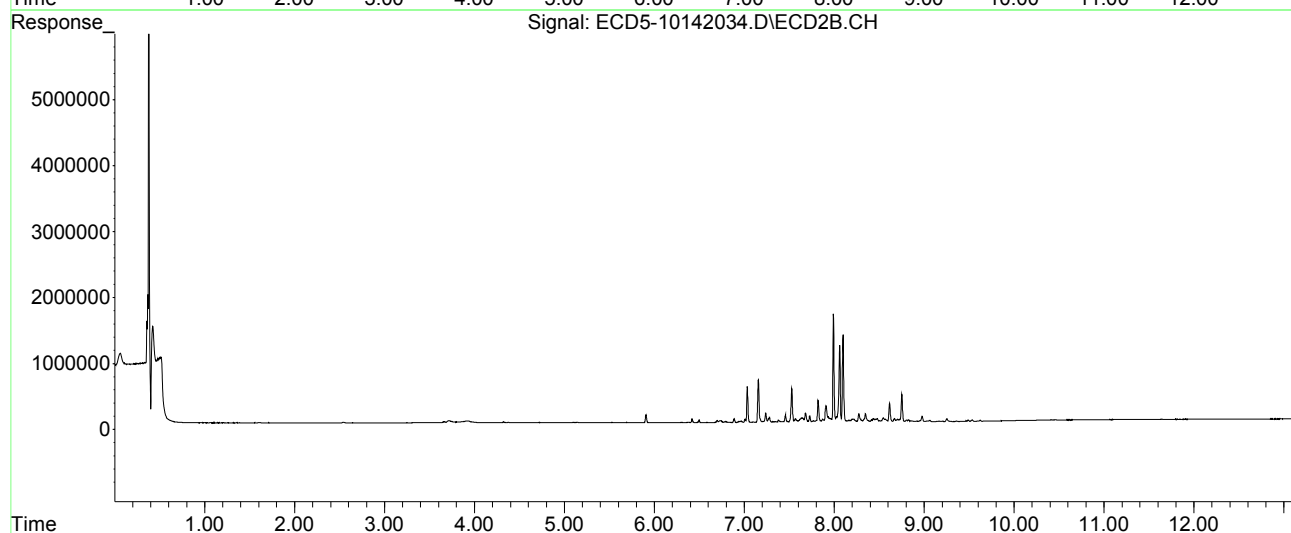
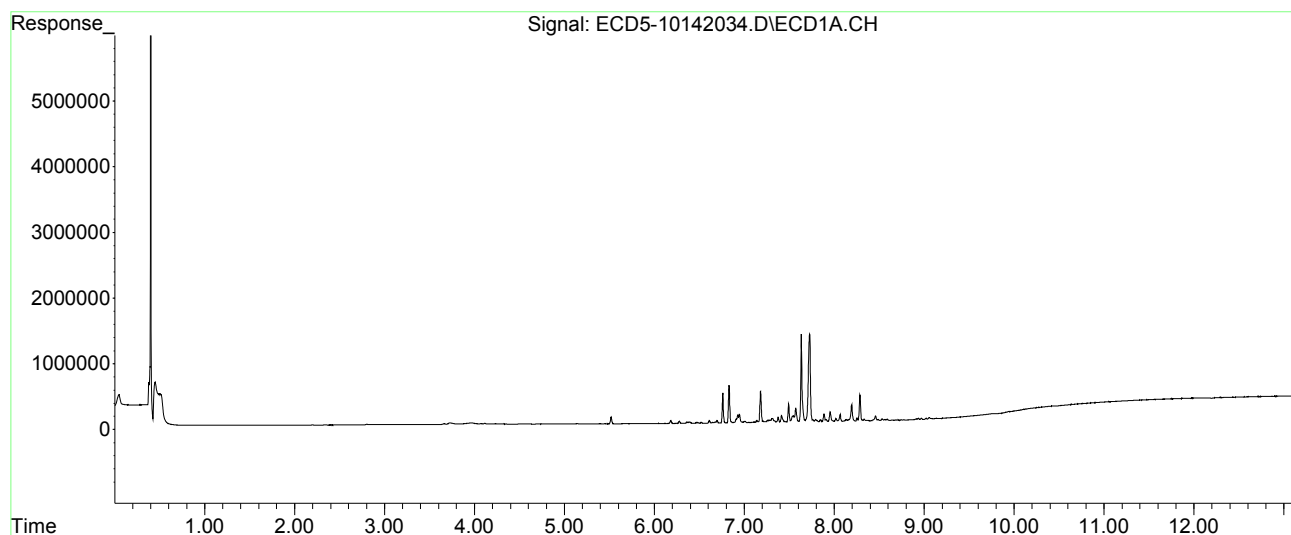
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/15/20

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	

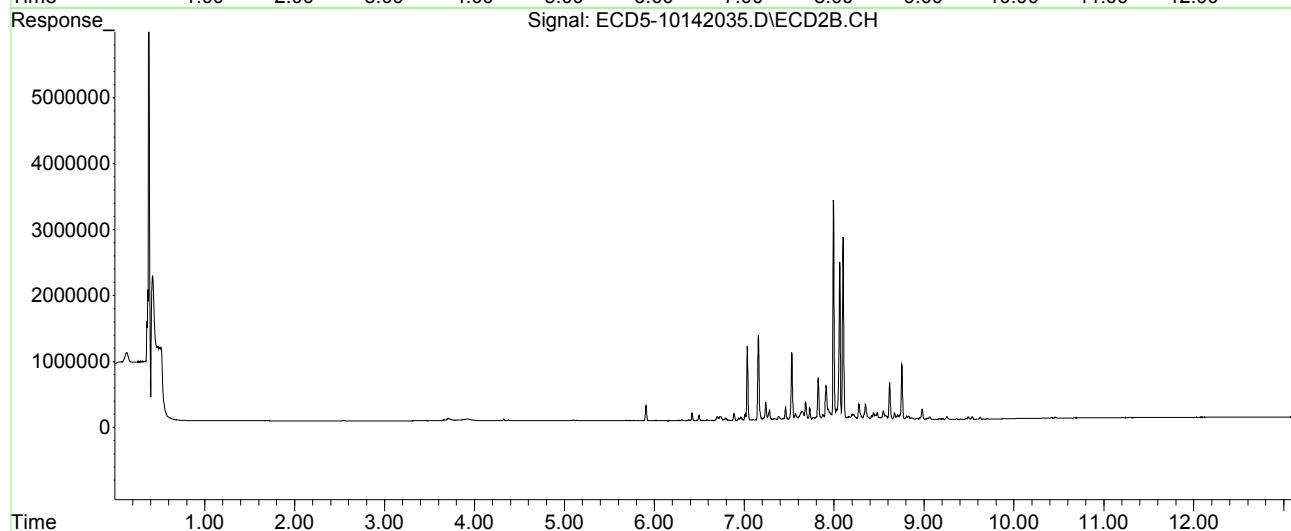
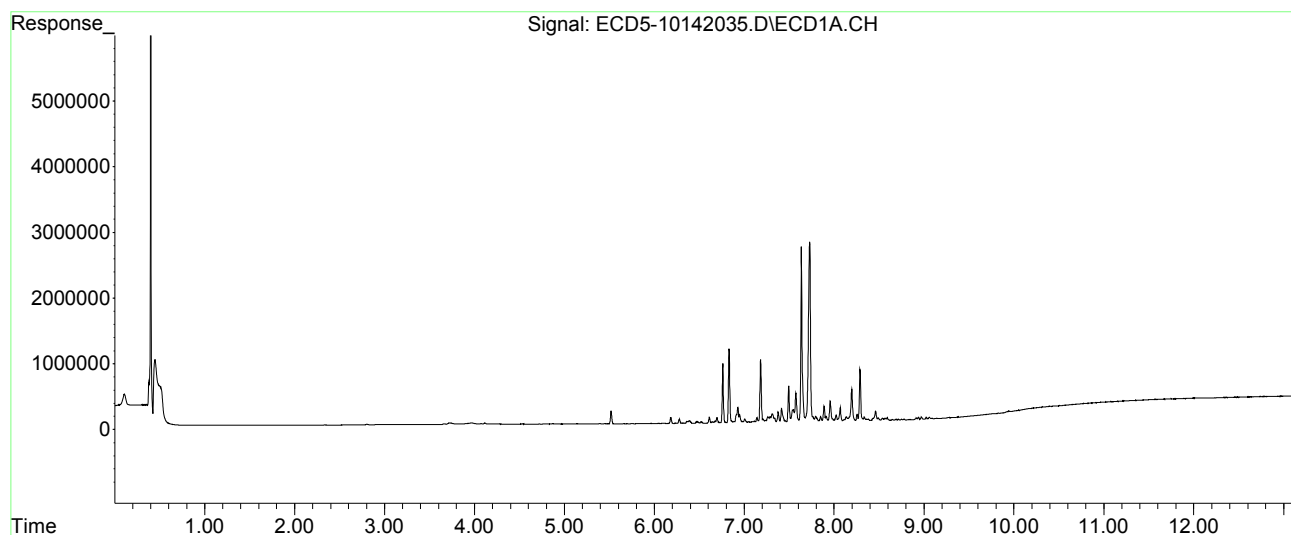
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

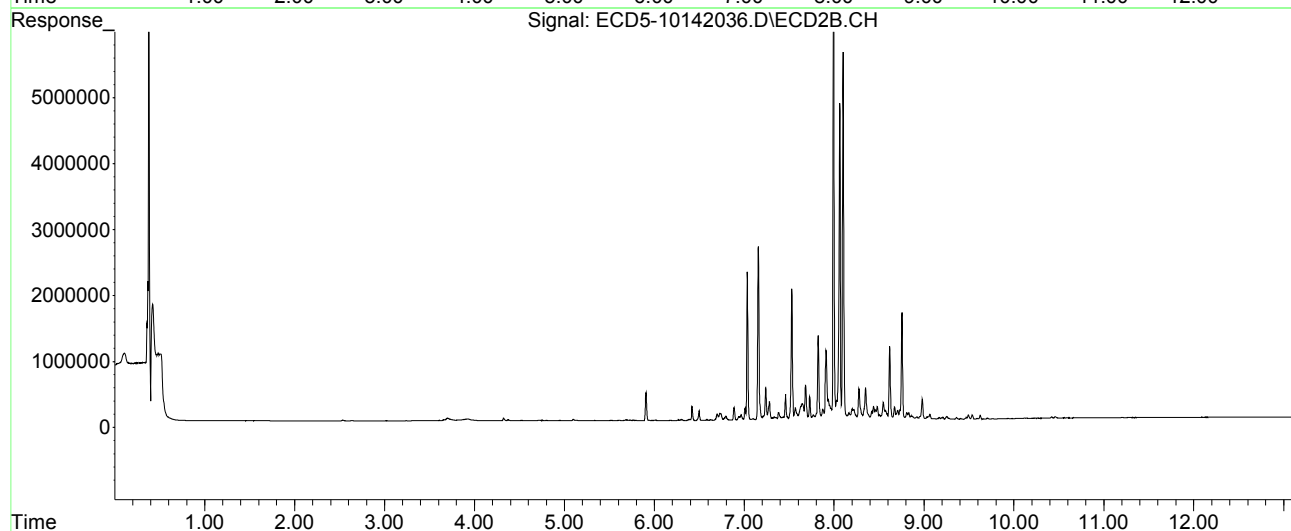
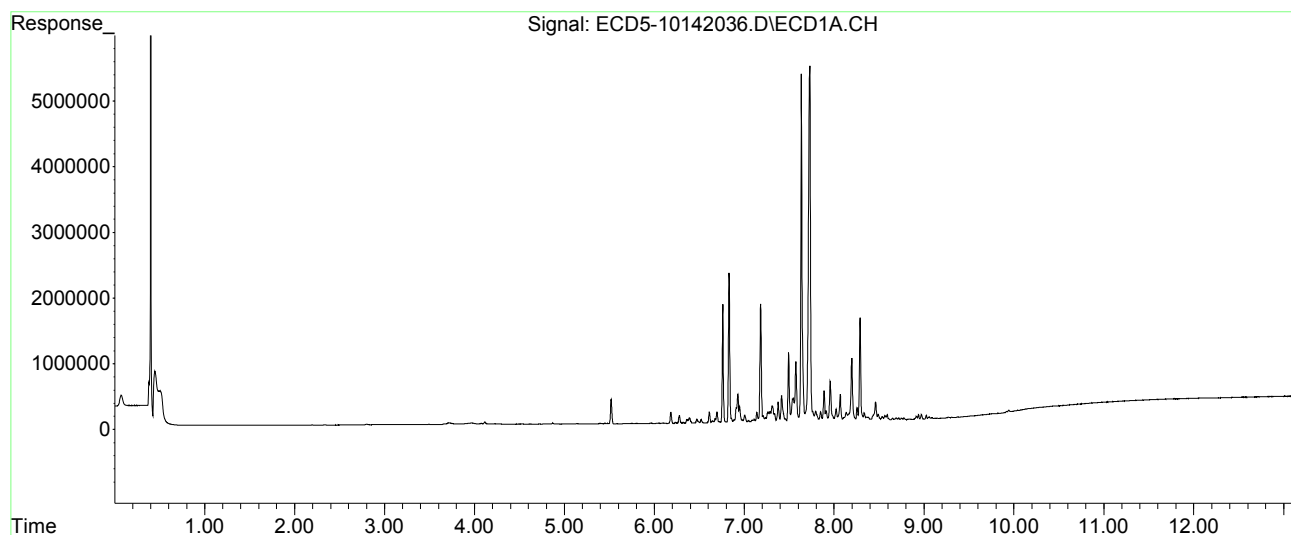
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

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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

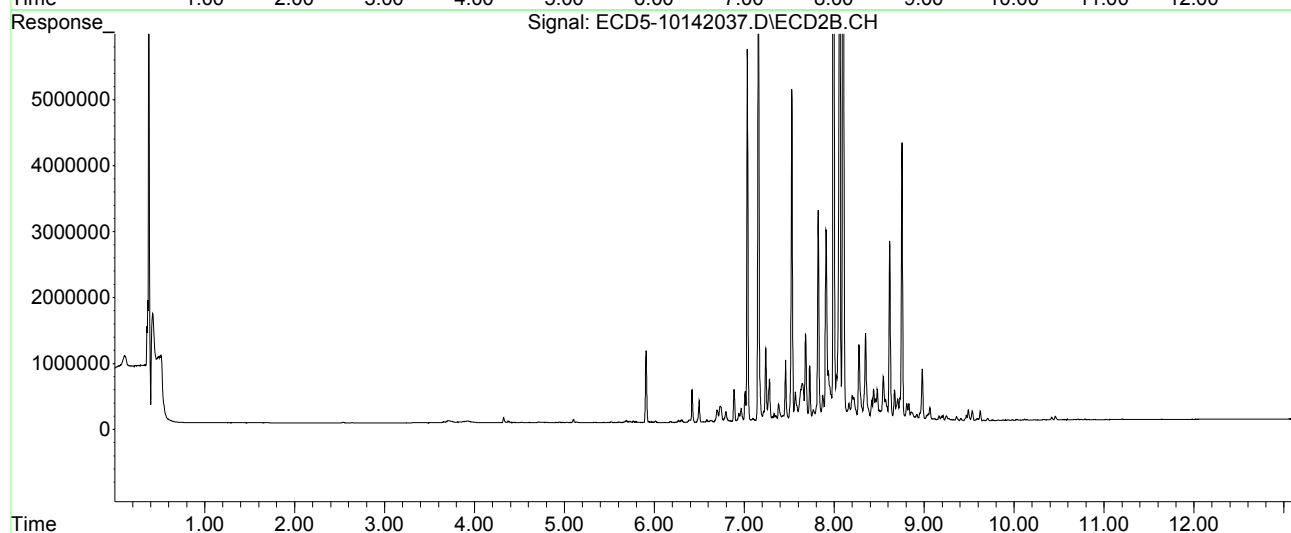
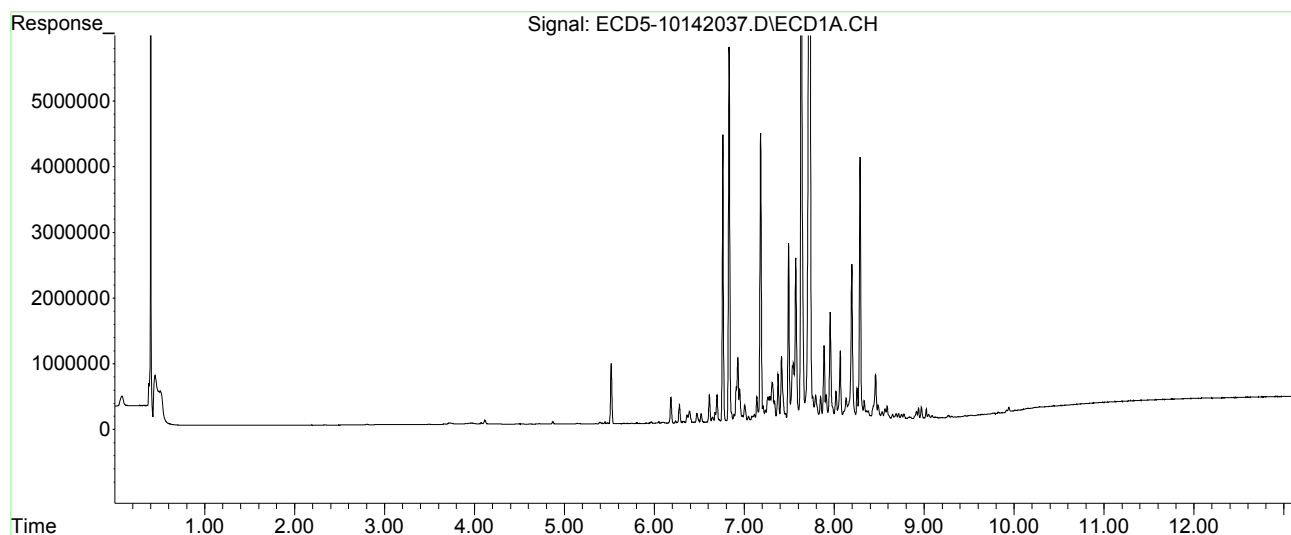
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/15/20

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	

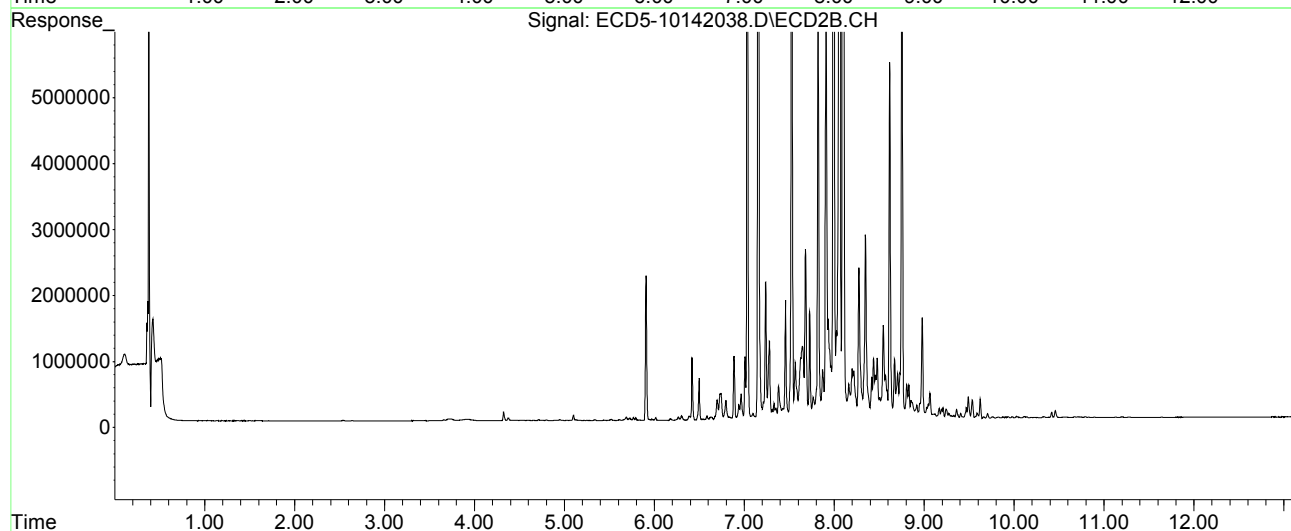
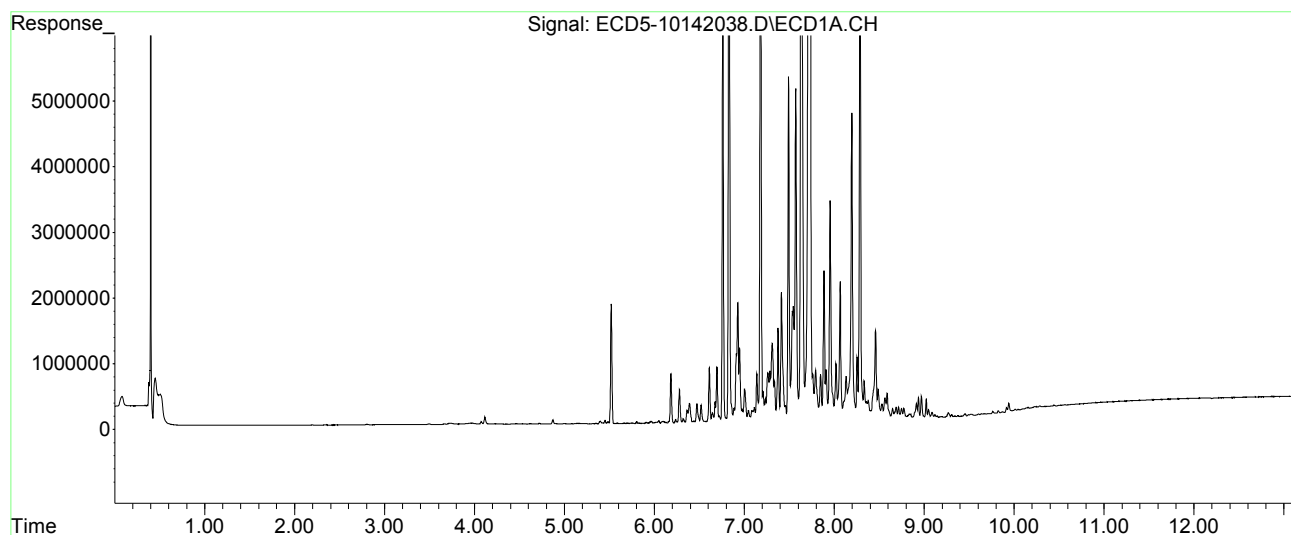
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/15/20

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

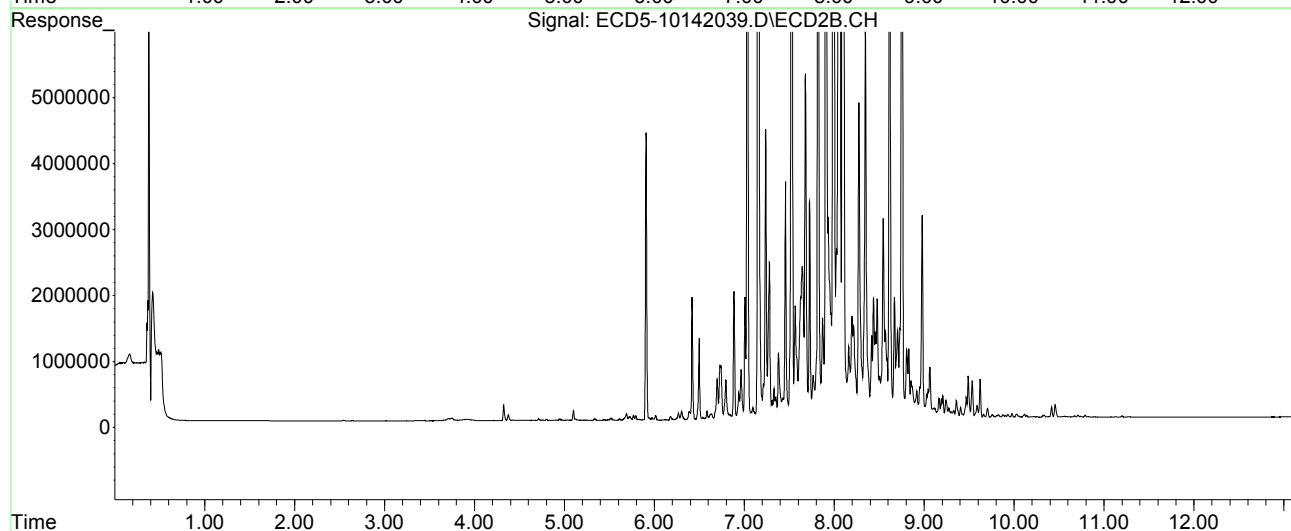
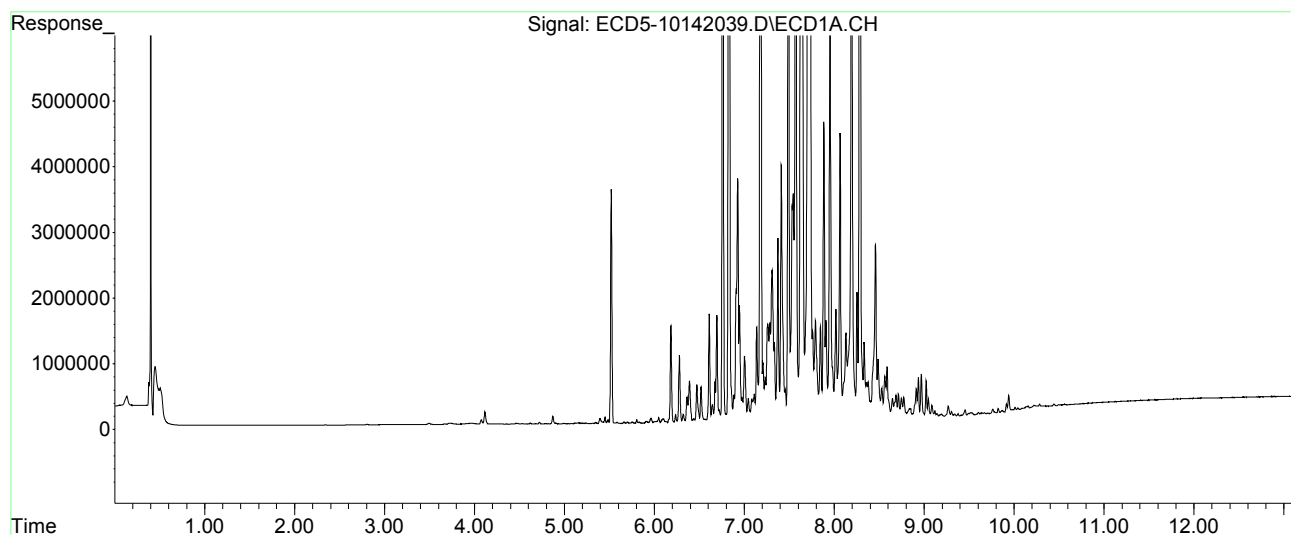
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

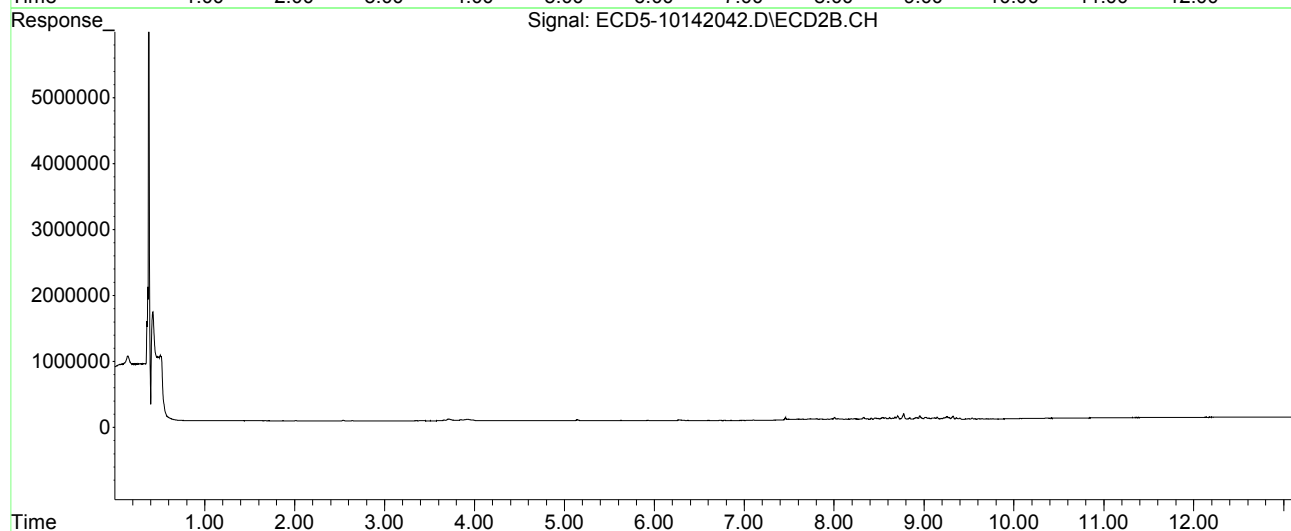
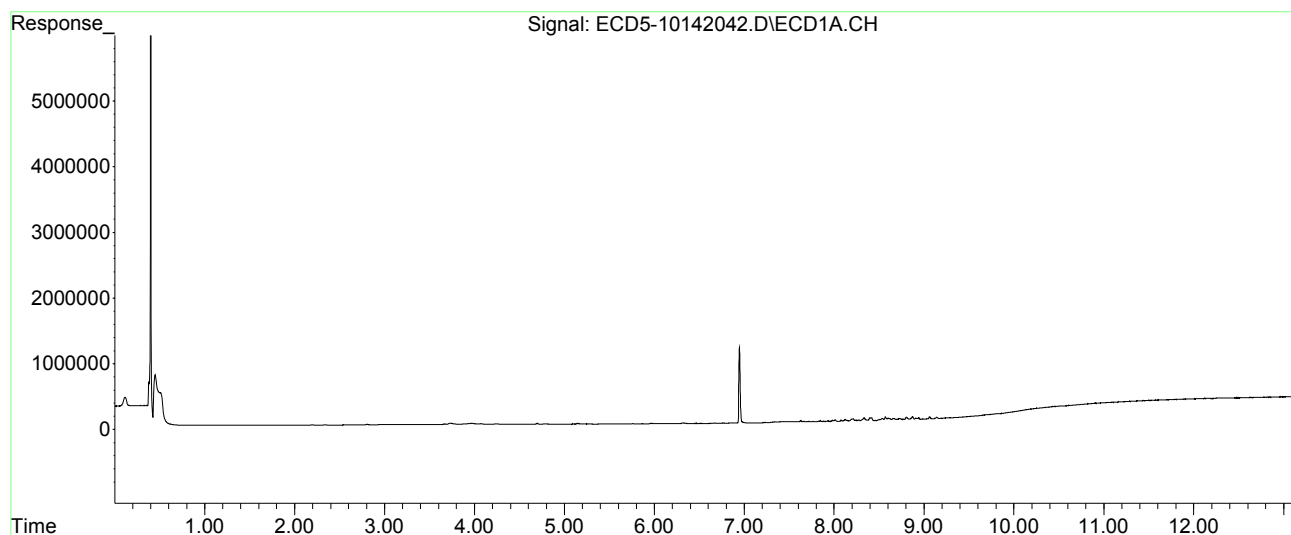
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

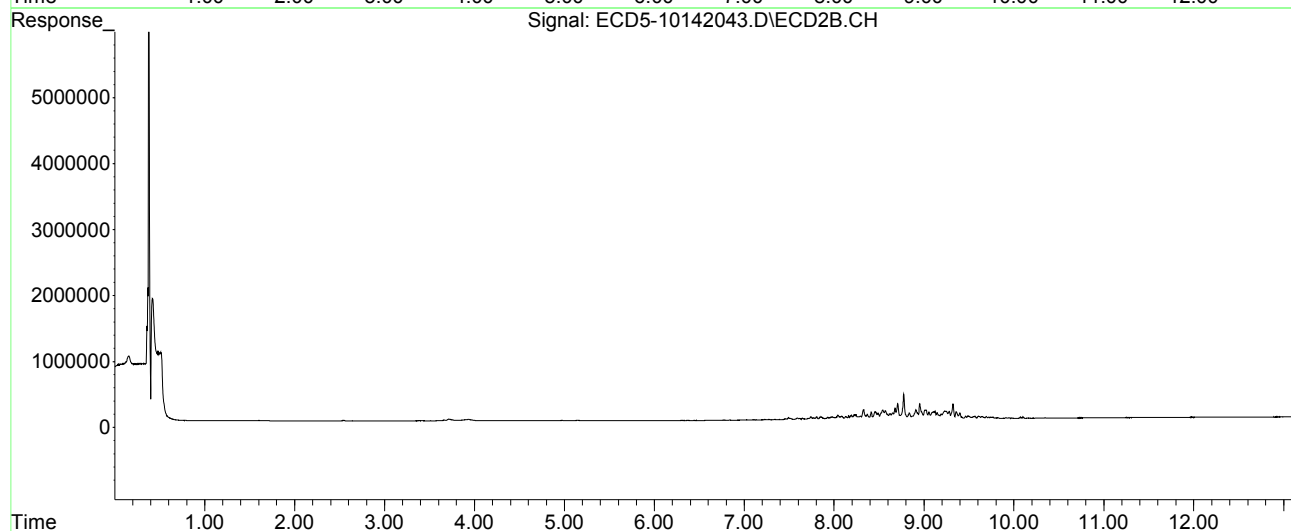
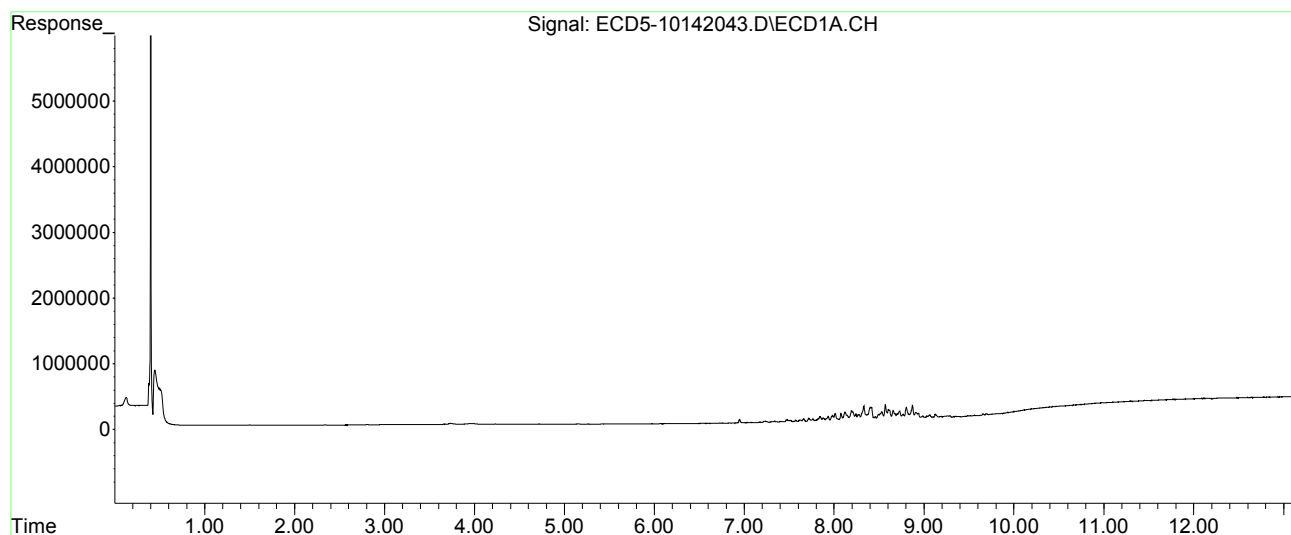
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

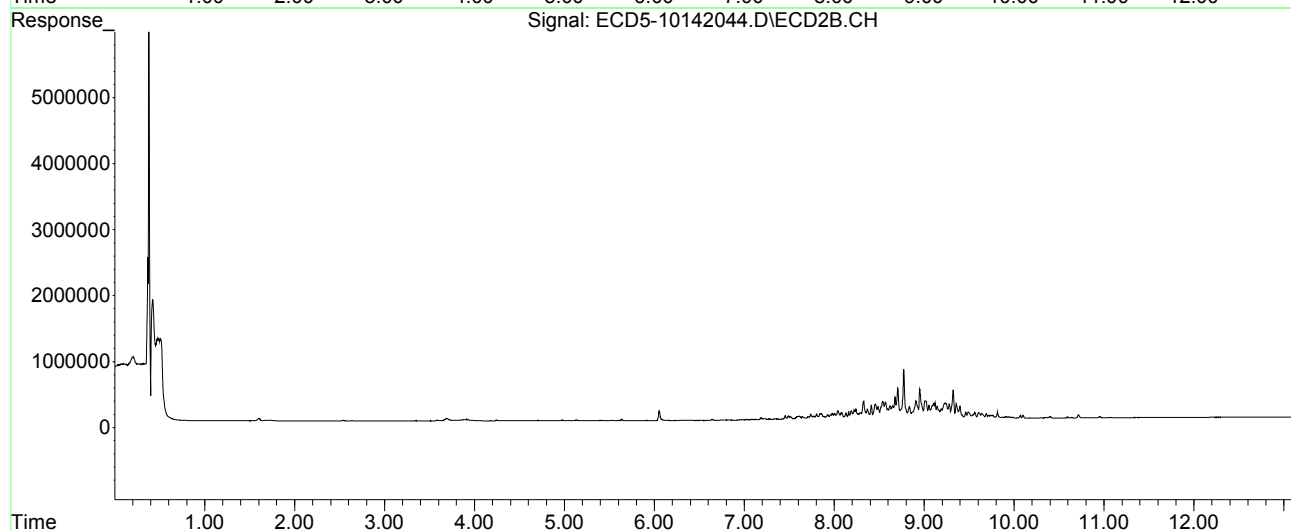
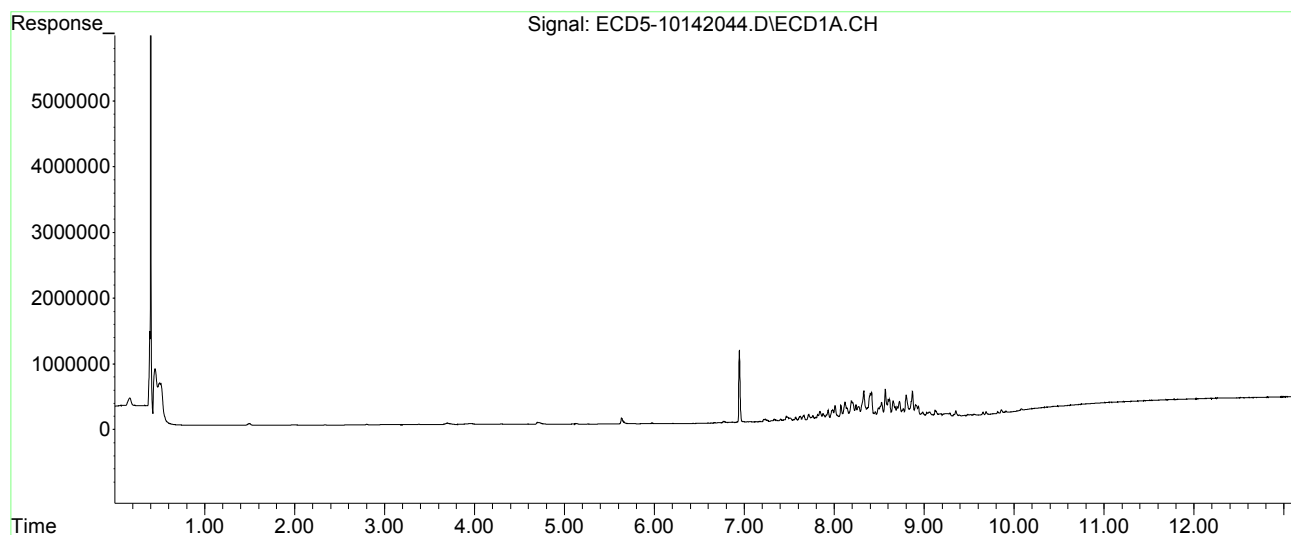
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/15/20

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	

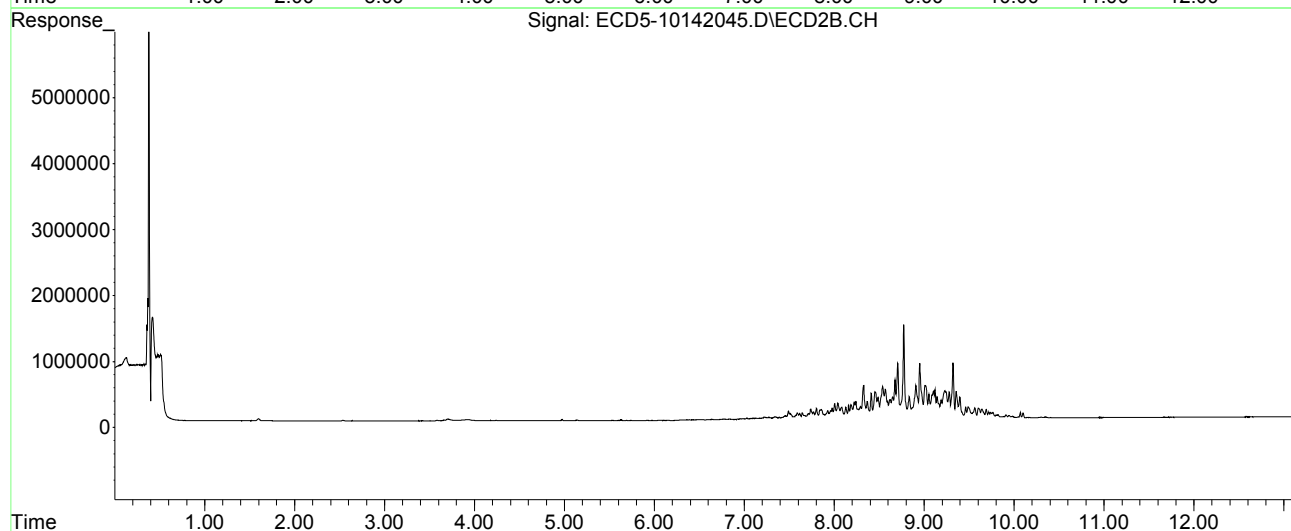
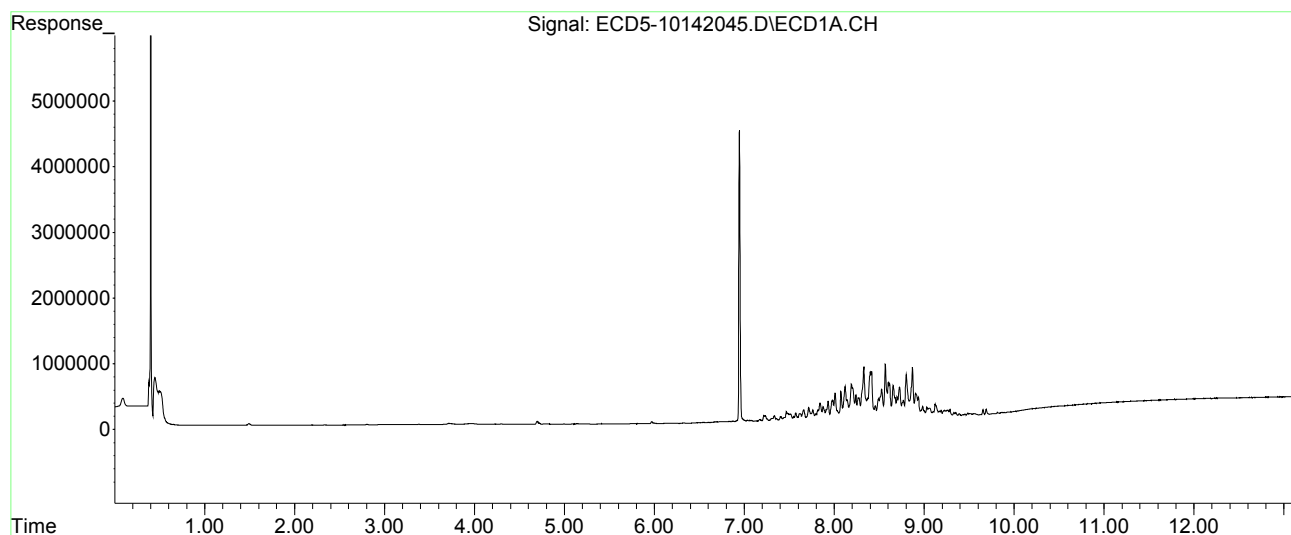
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/15/20

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

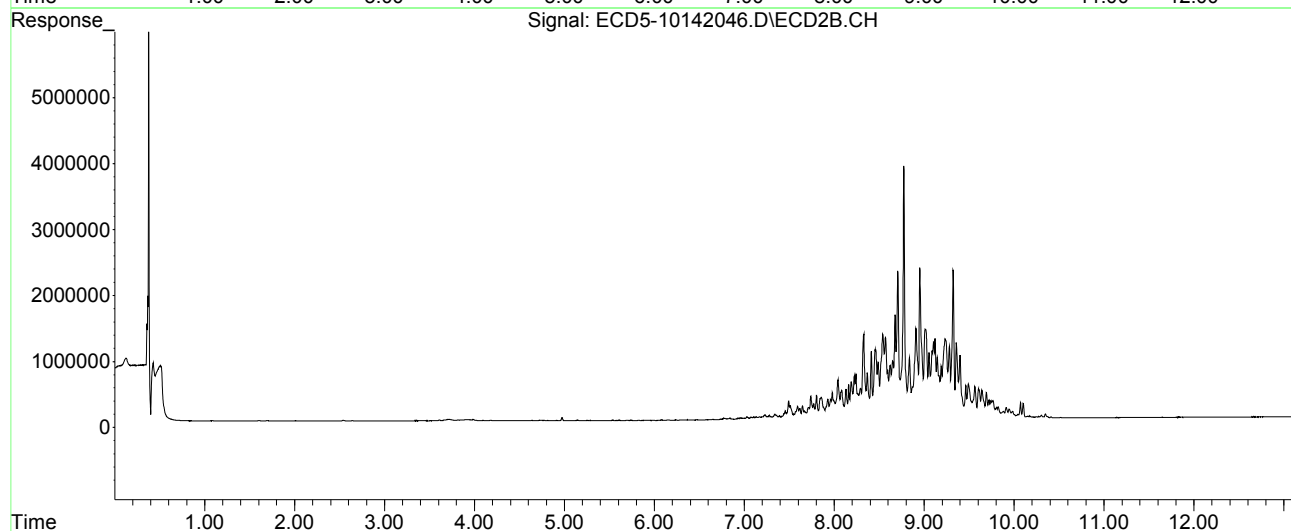
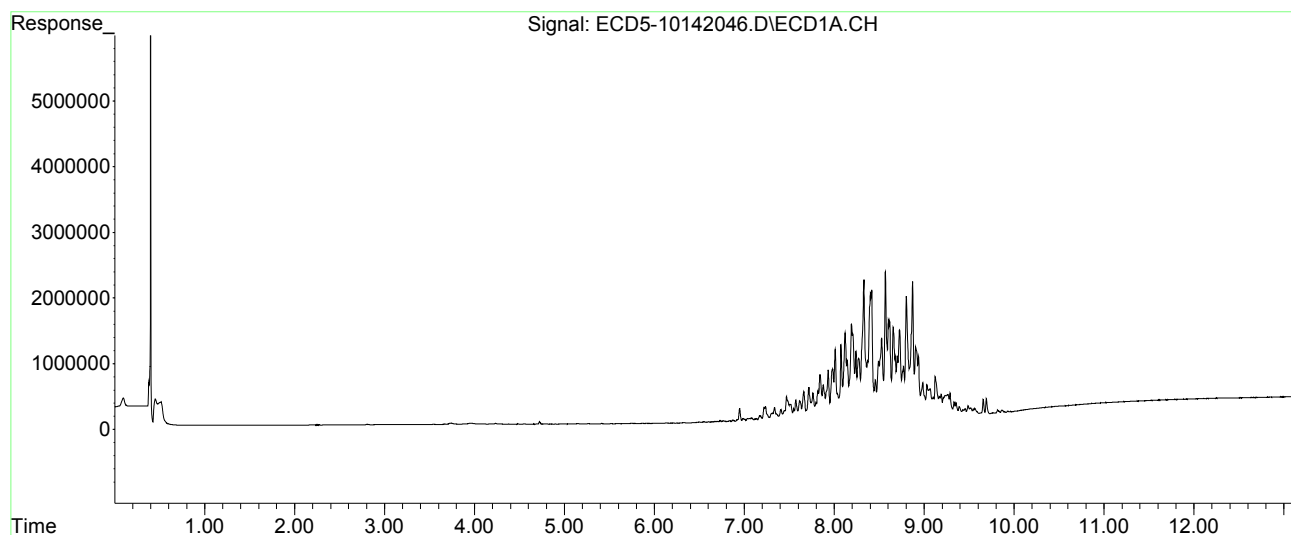
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

MJB 10/15/20

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

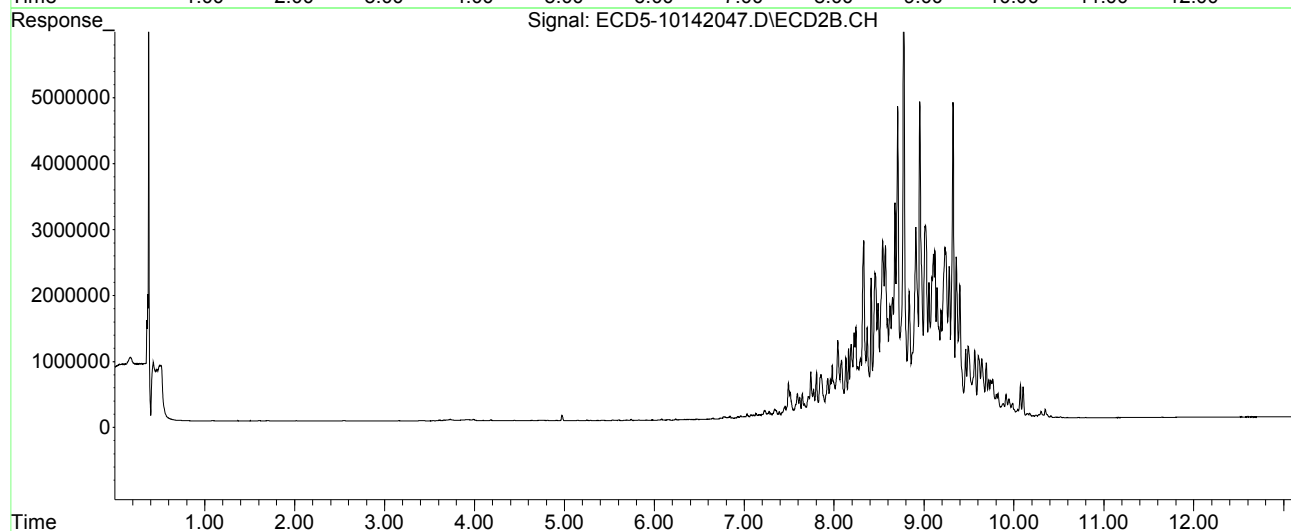
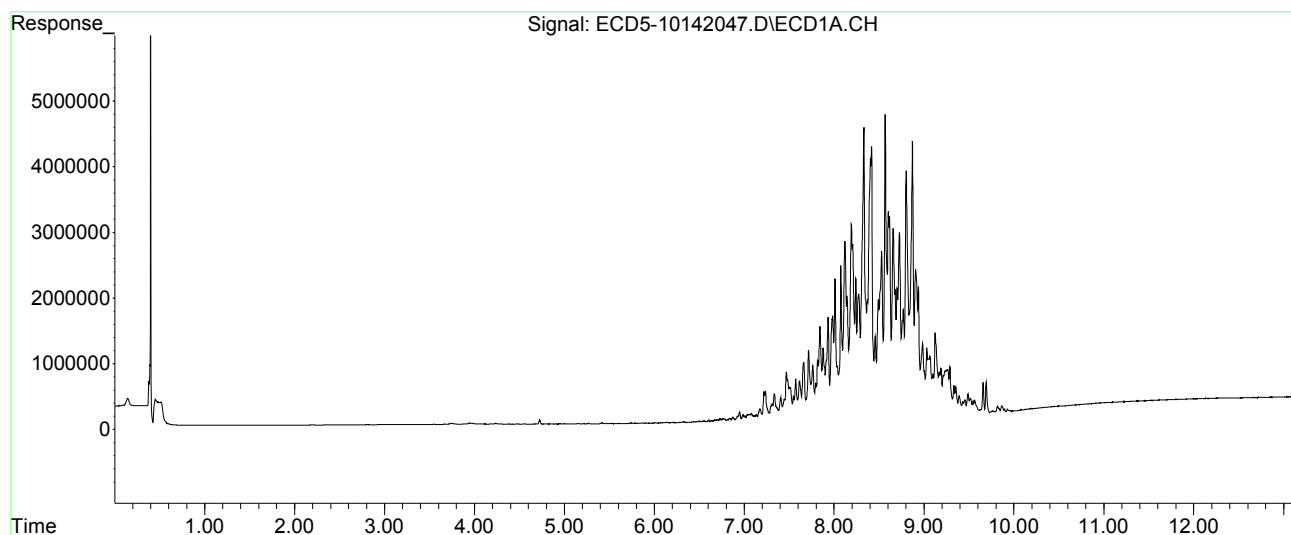
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

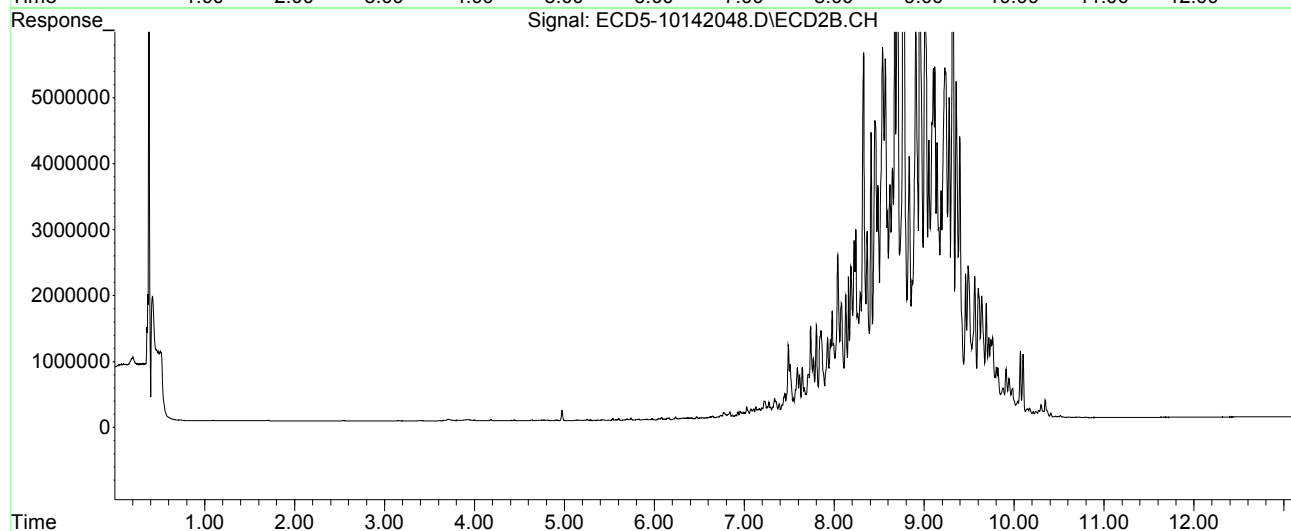
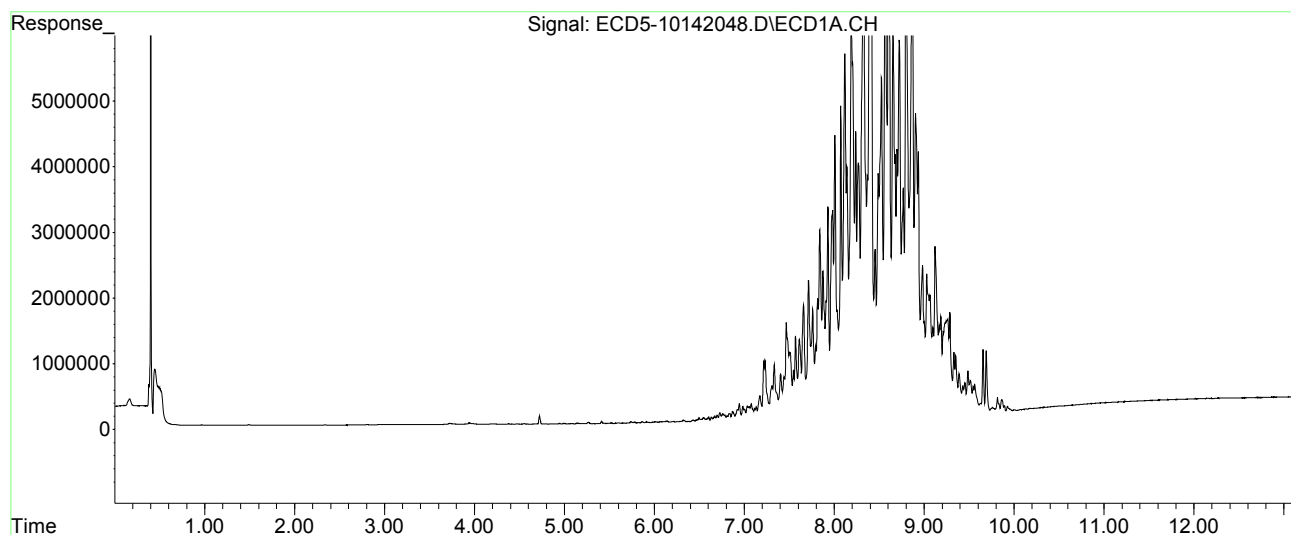
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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
 Misc : A20H479
 ALS Vial : 2 (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 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

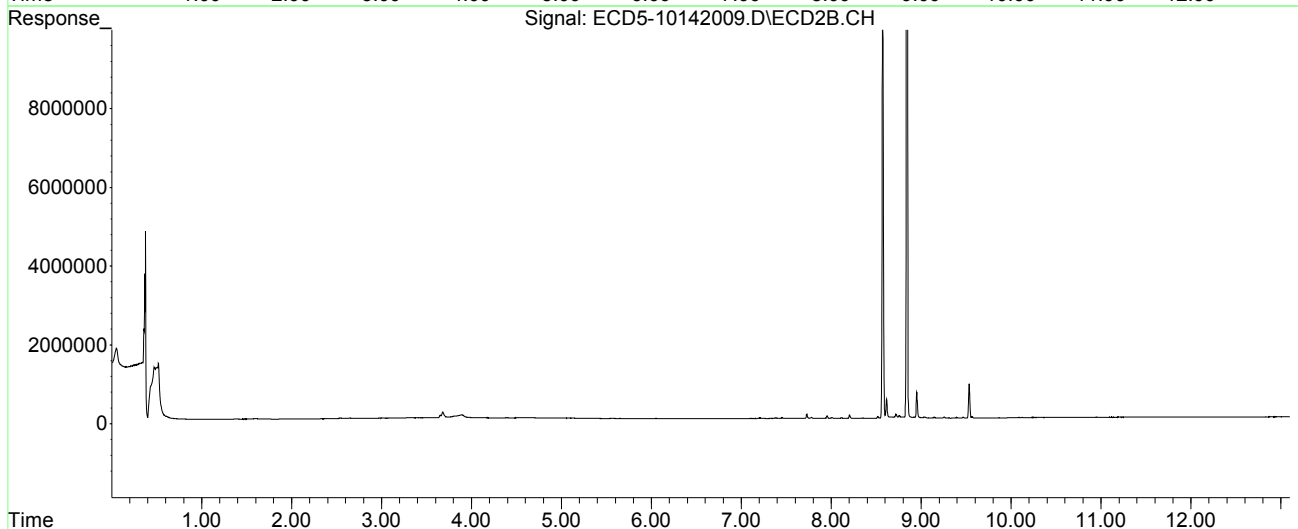
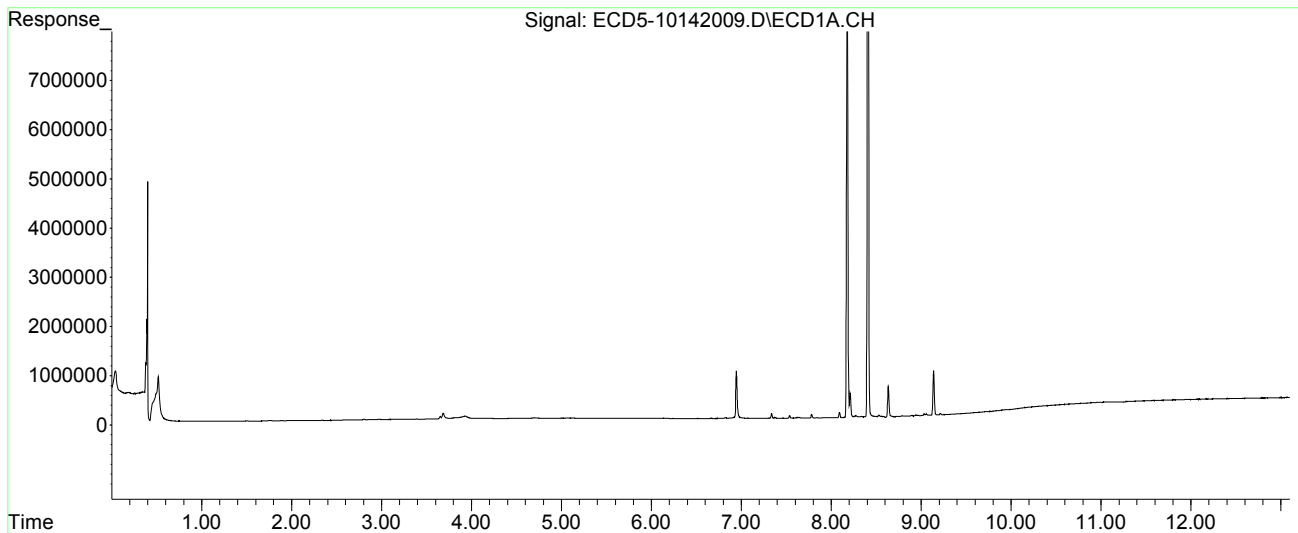
(m)=manual int.

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

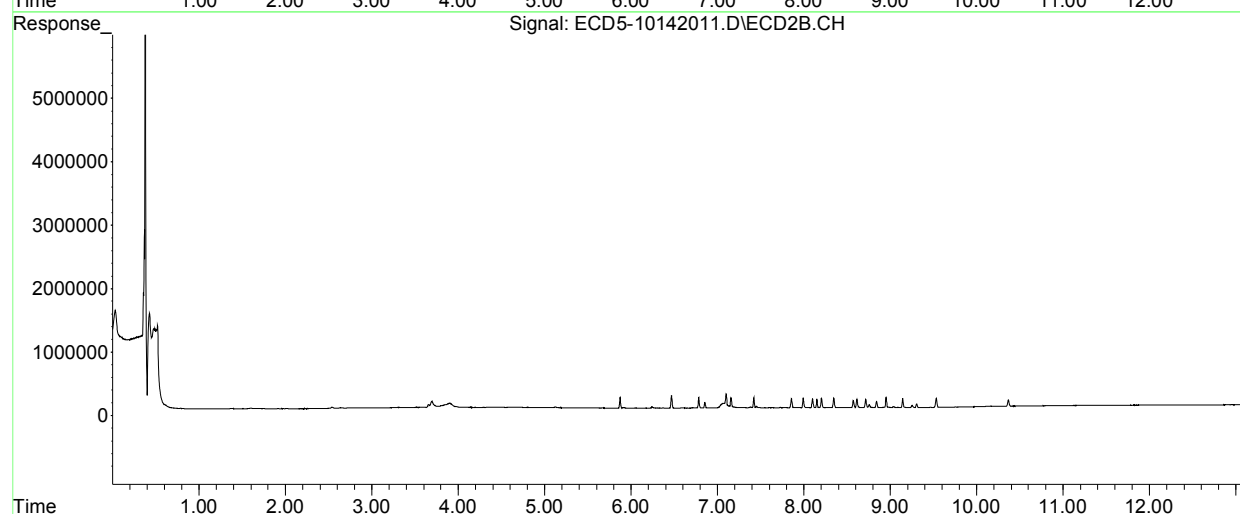
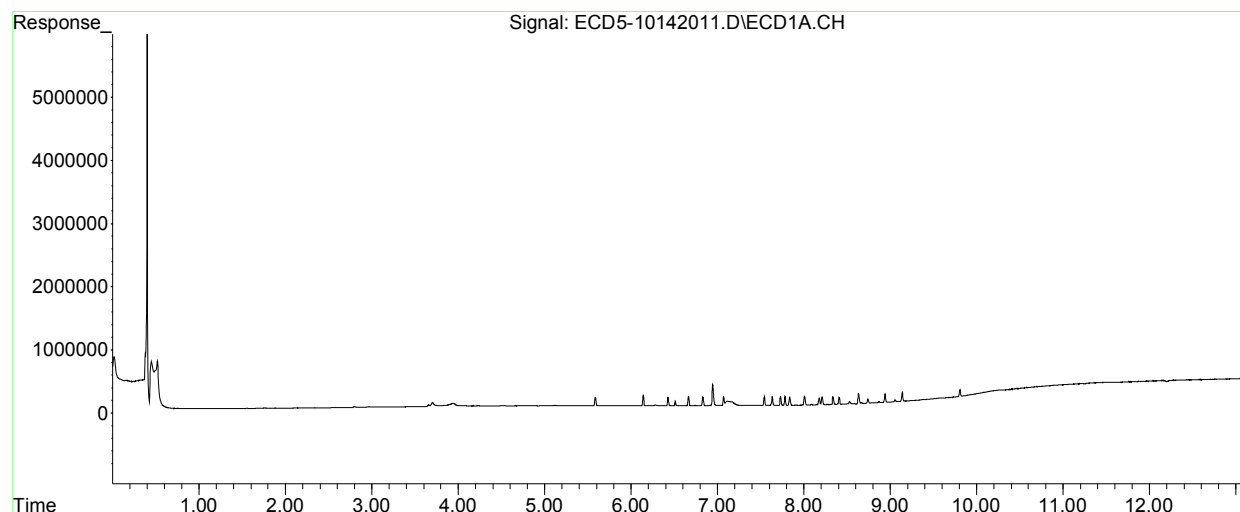
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

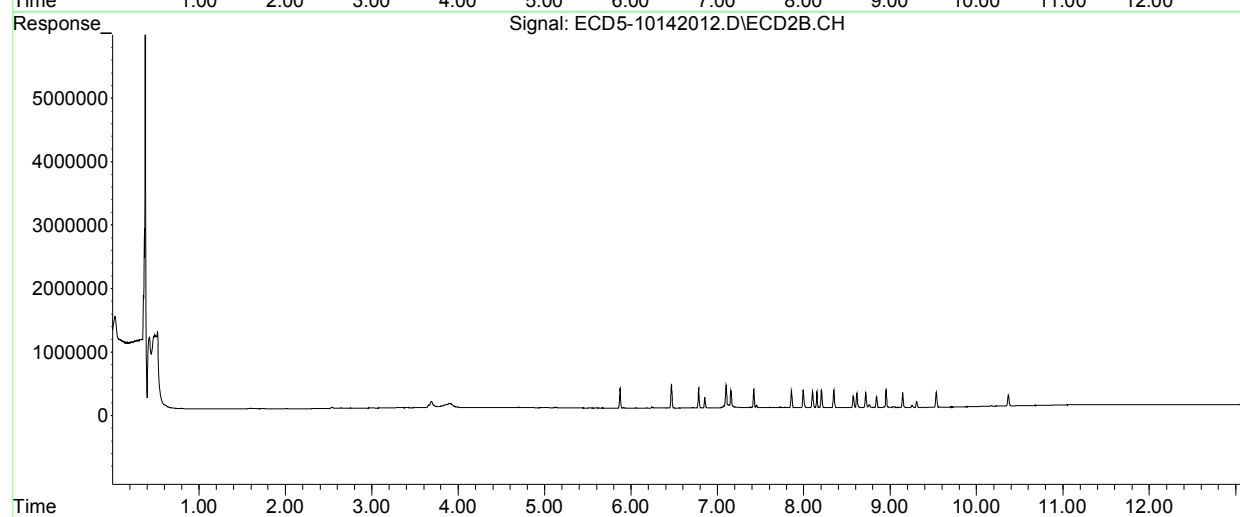
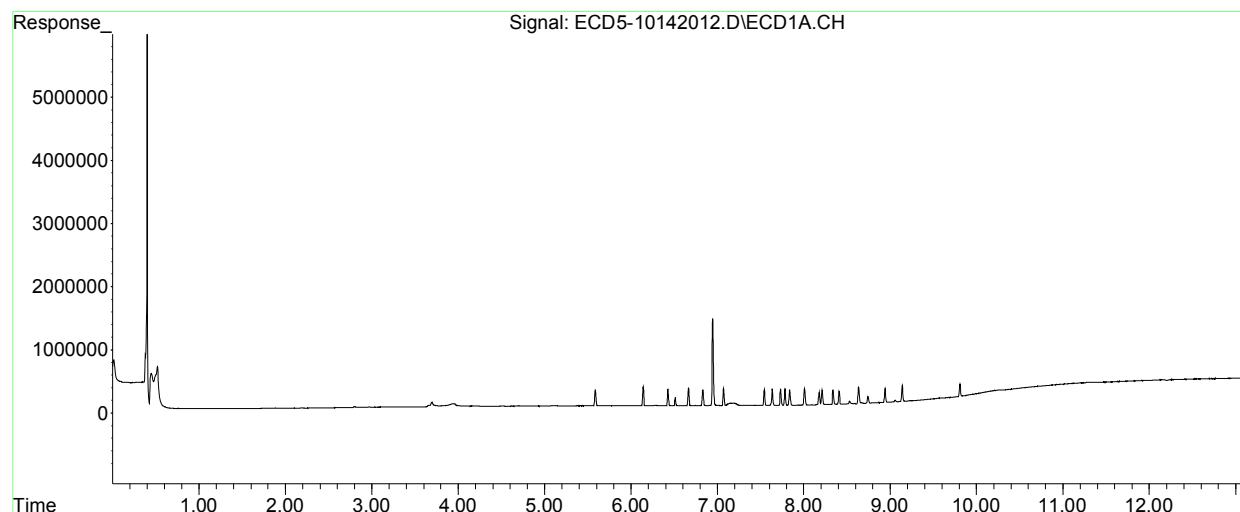
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

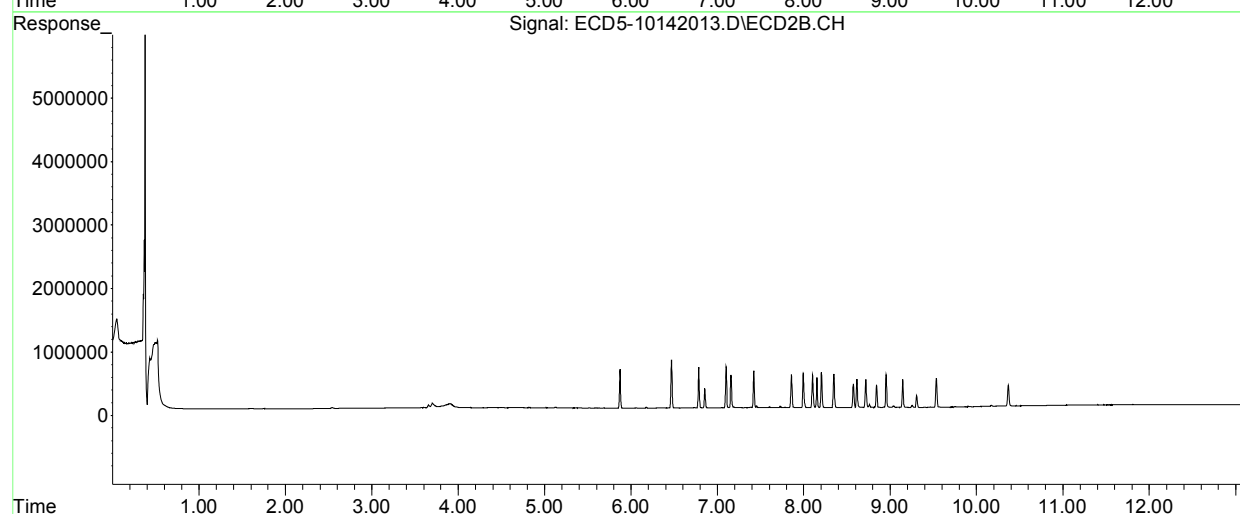
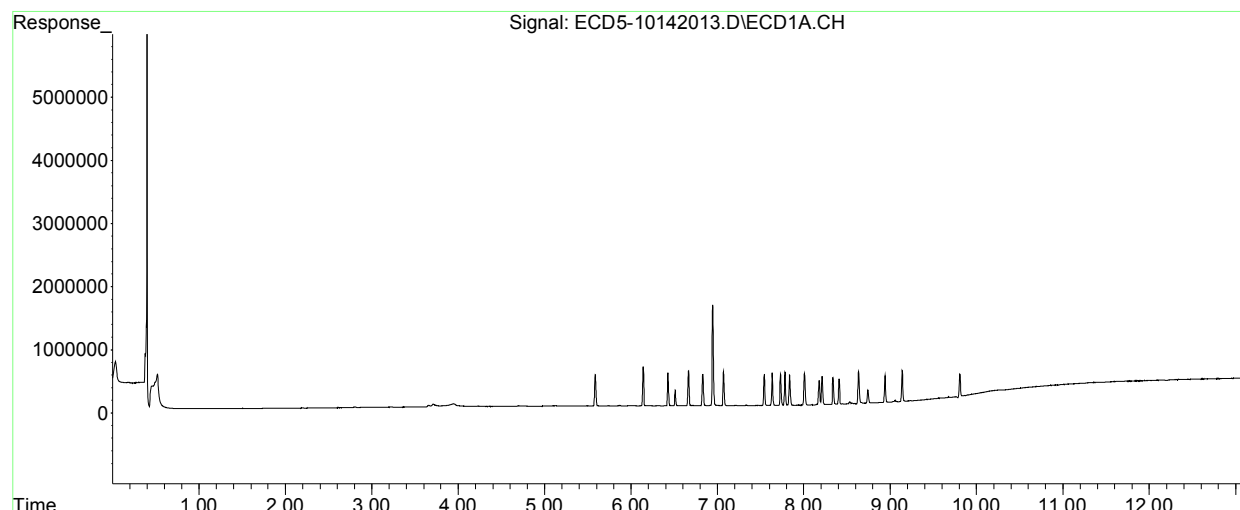
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

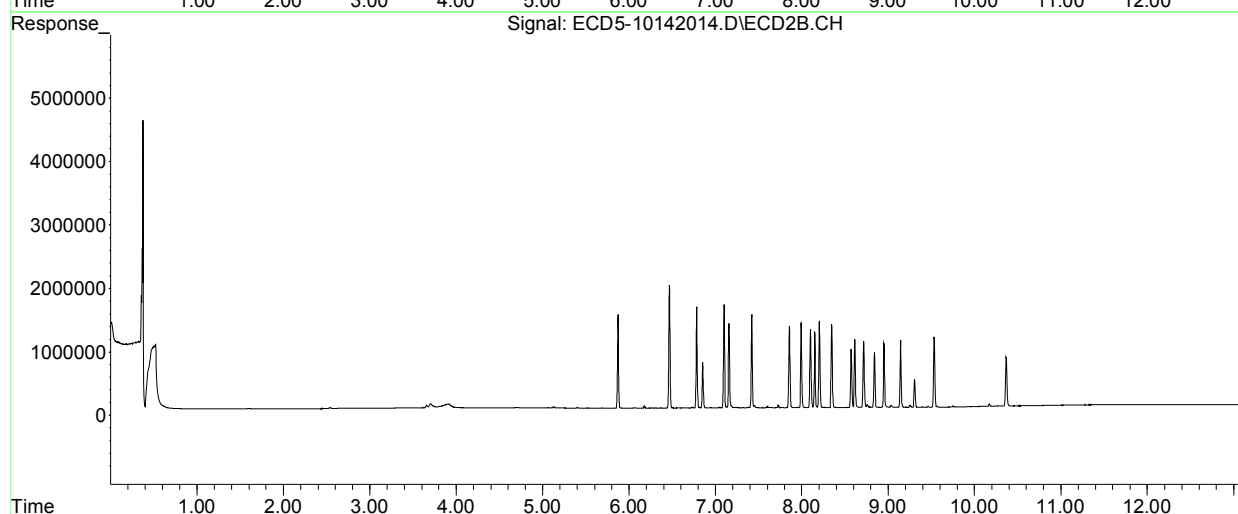
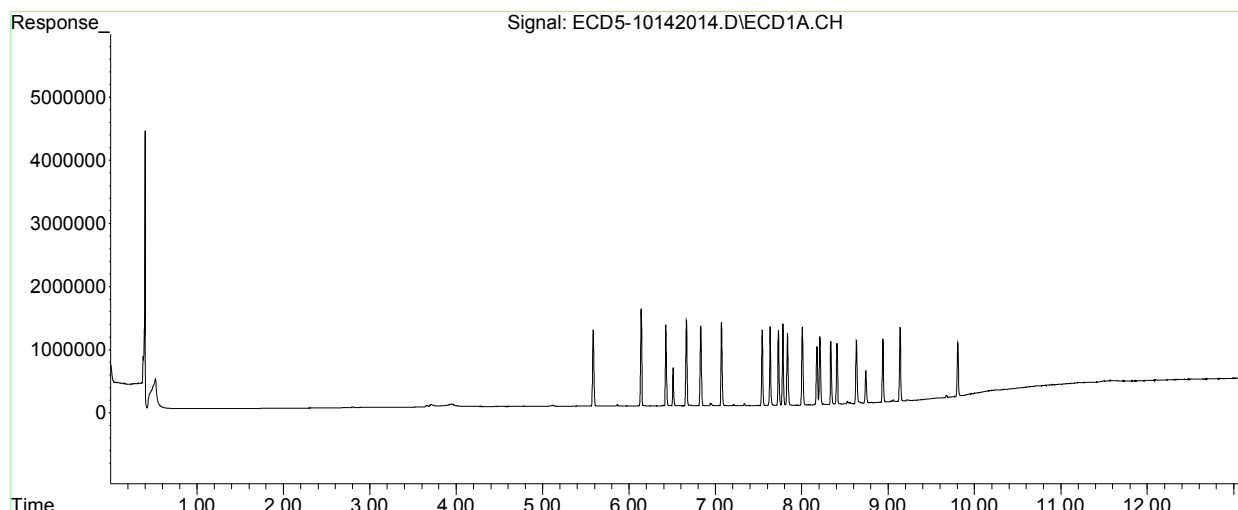
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

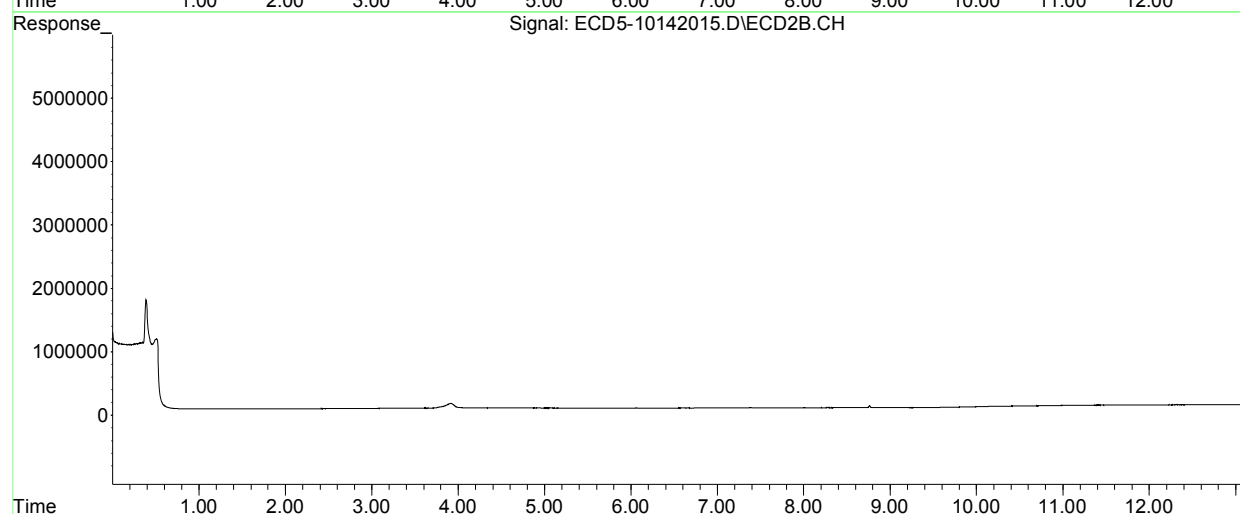
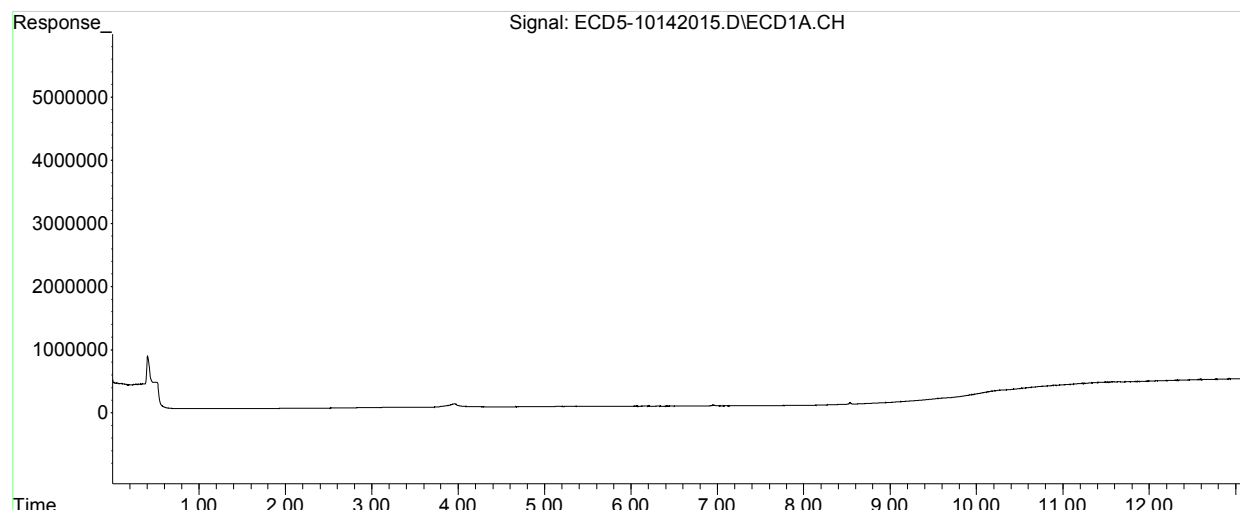
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

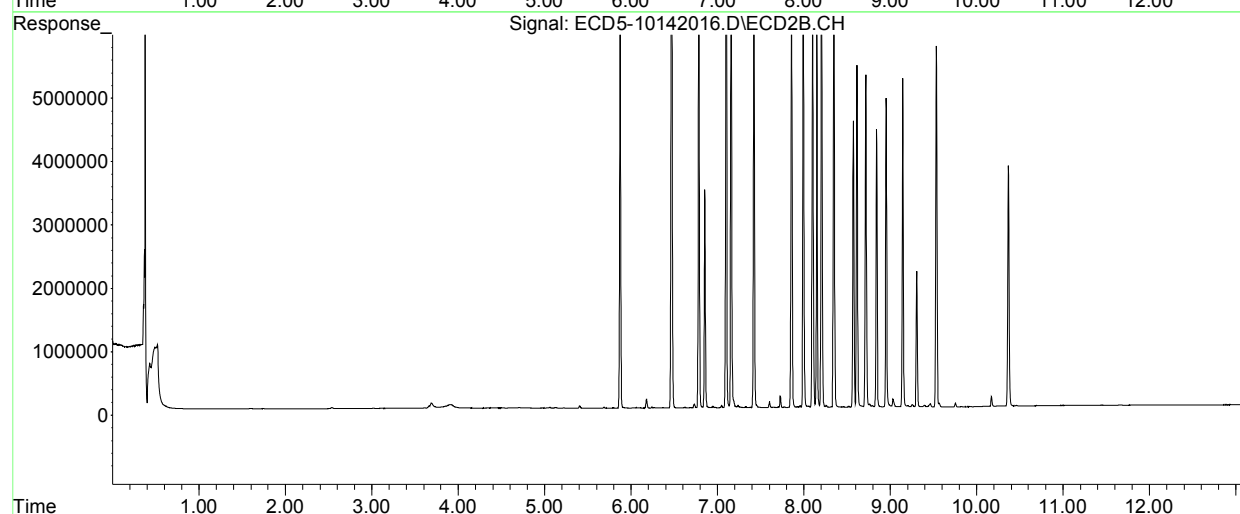
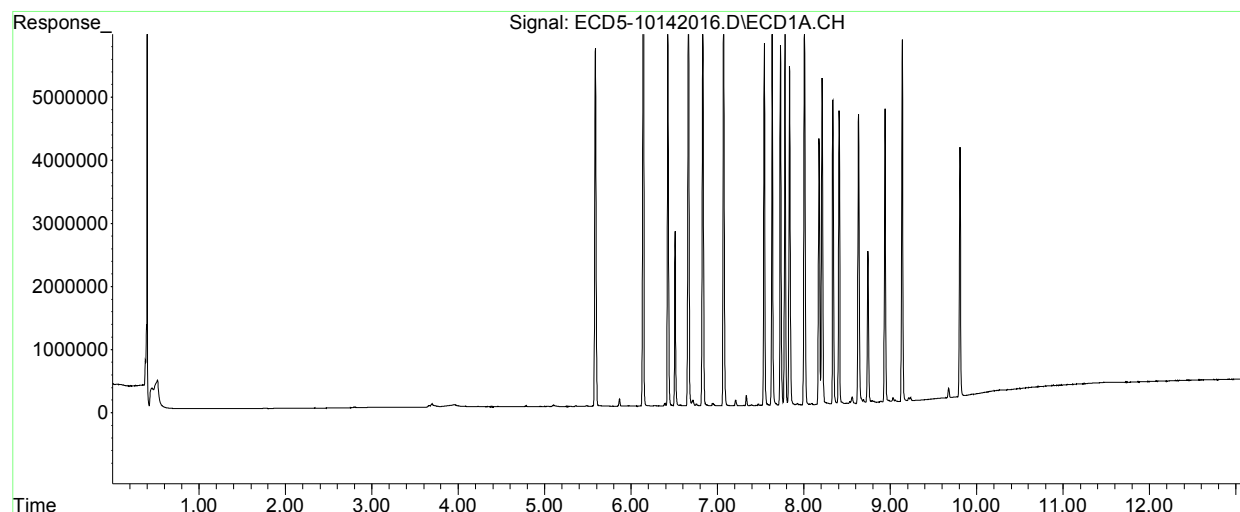
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

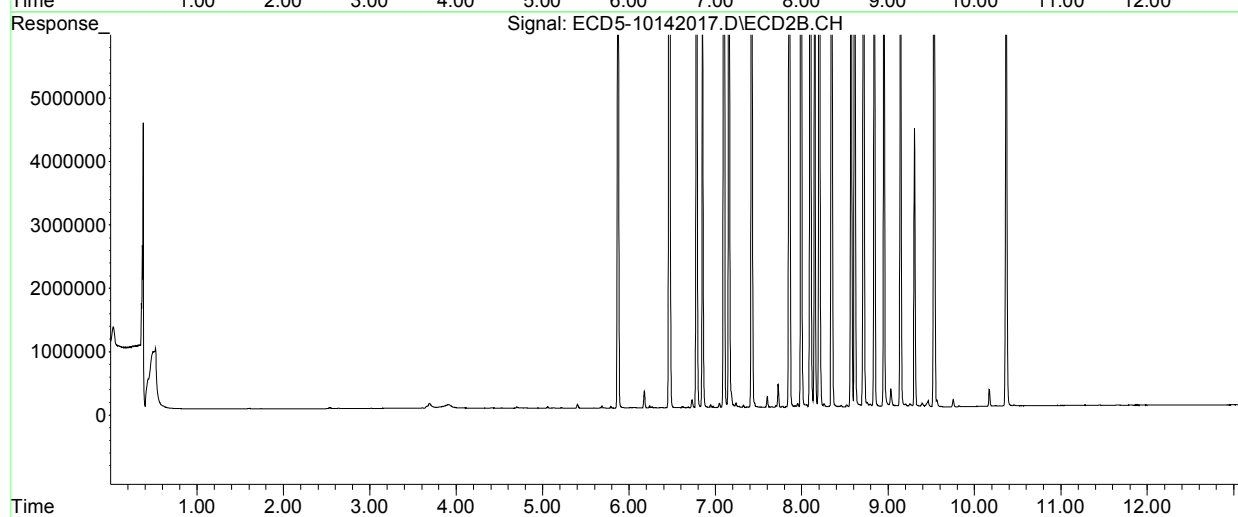
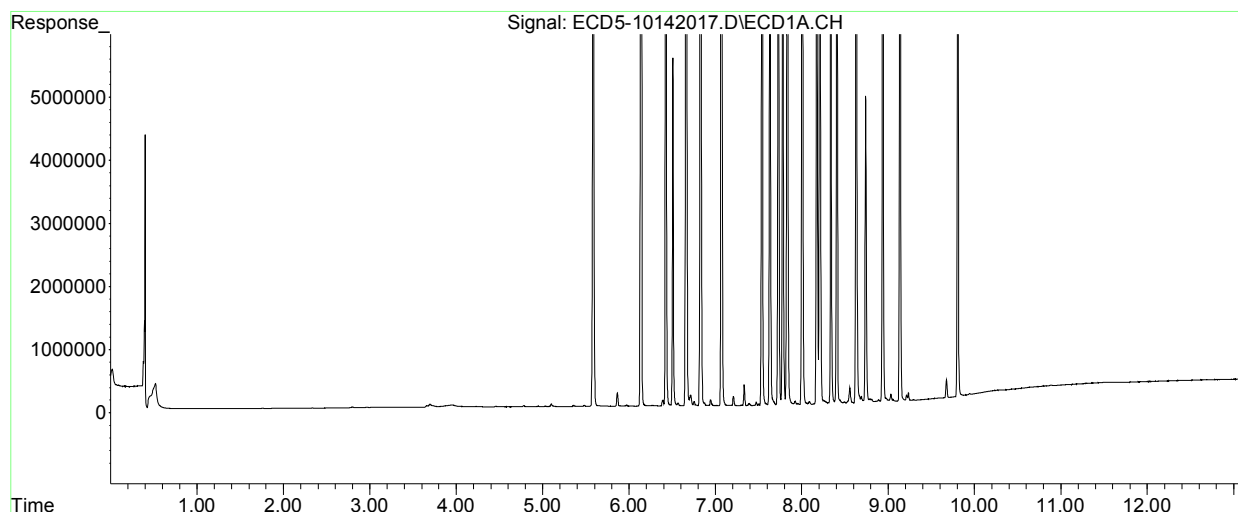
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

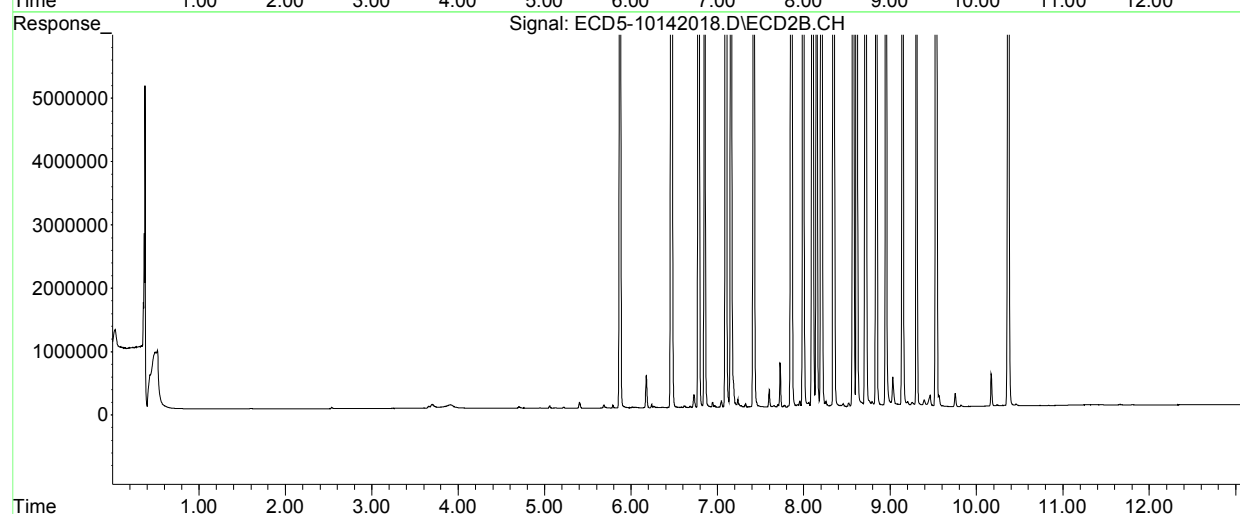
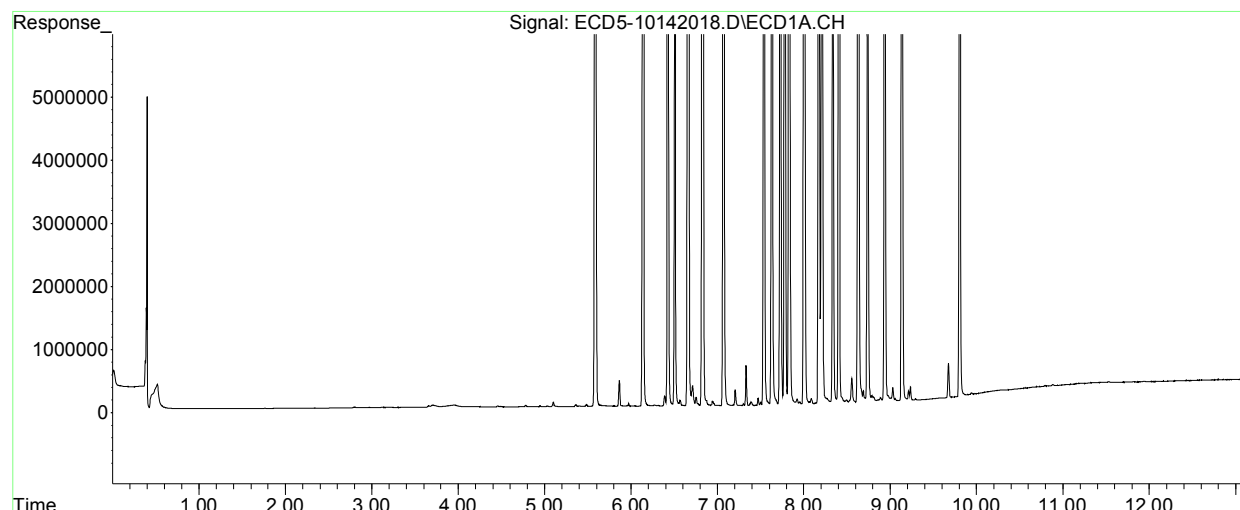
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

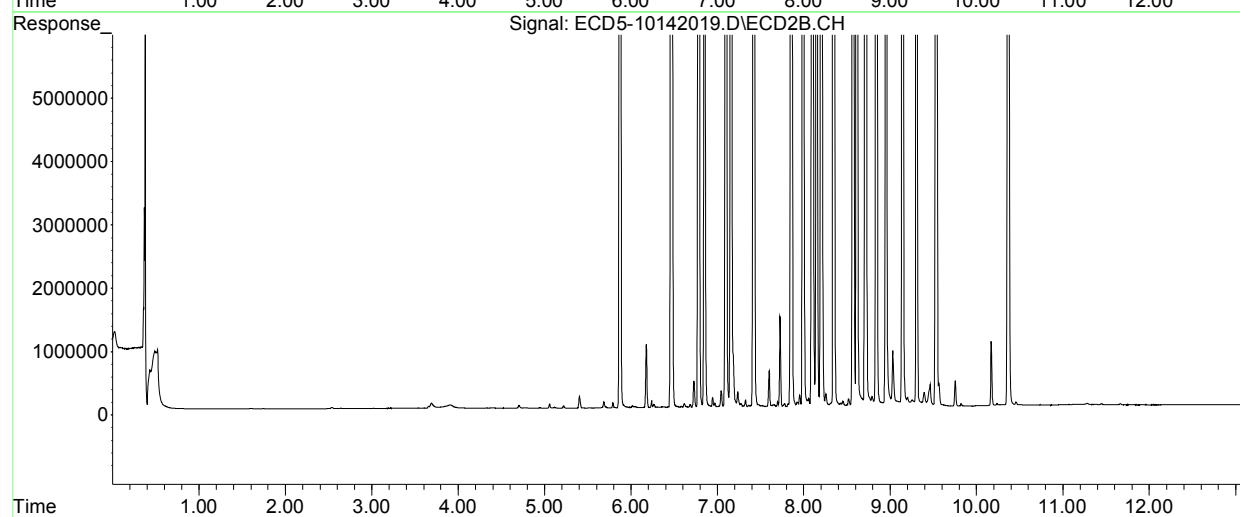
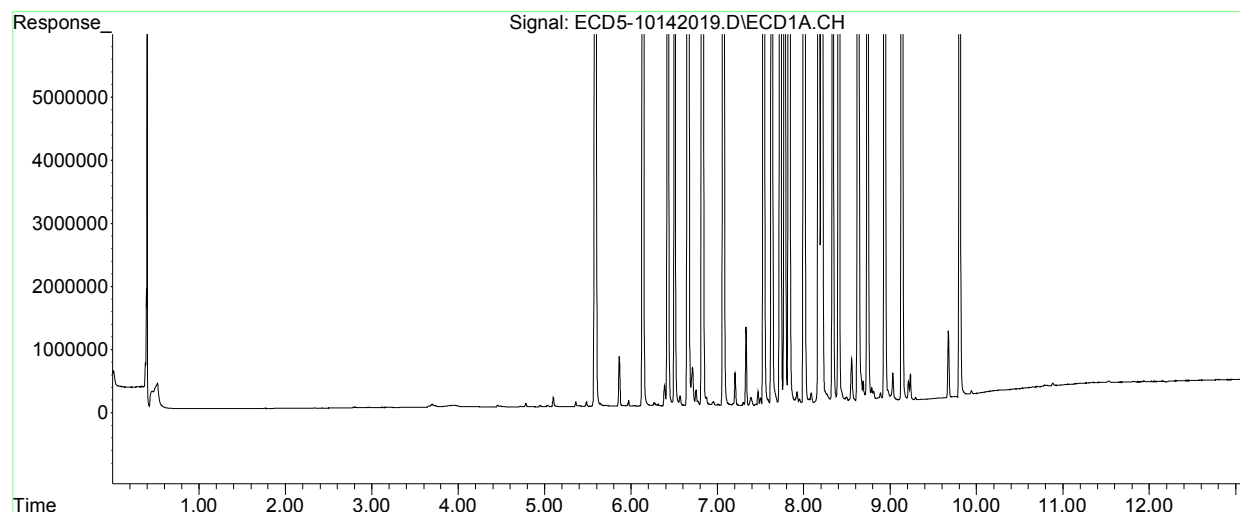
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	

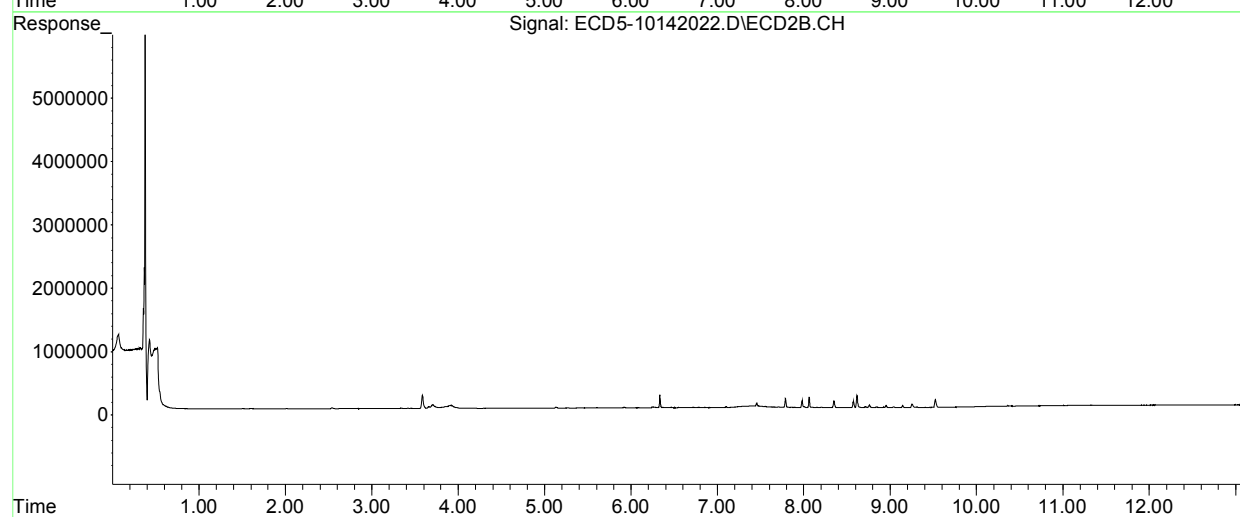
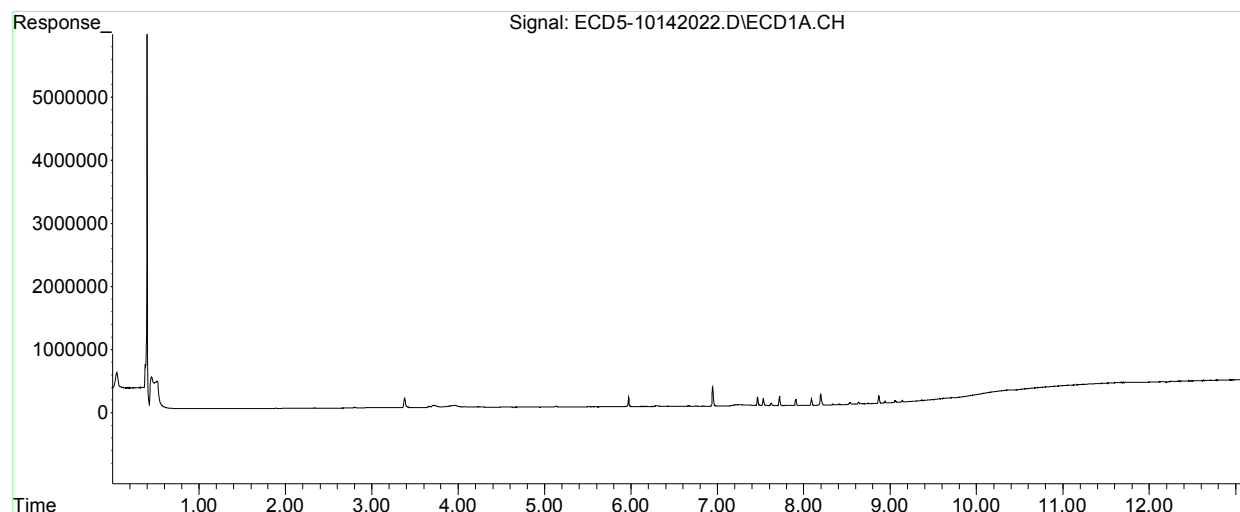
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

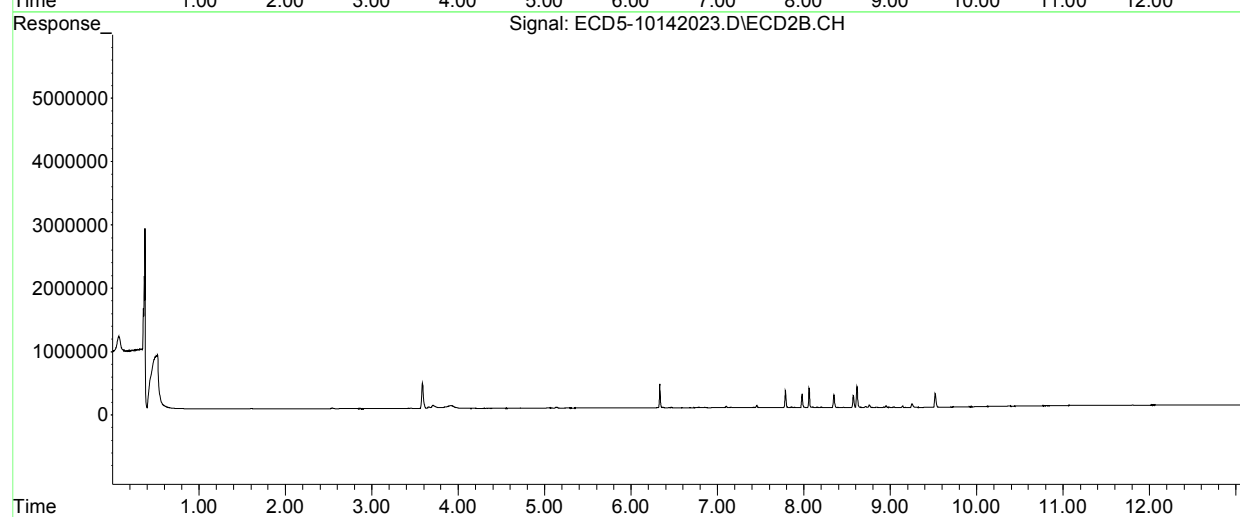
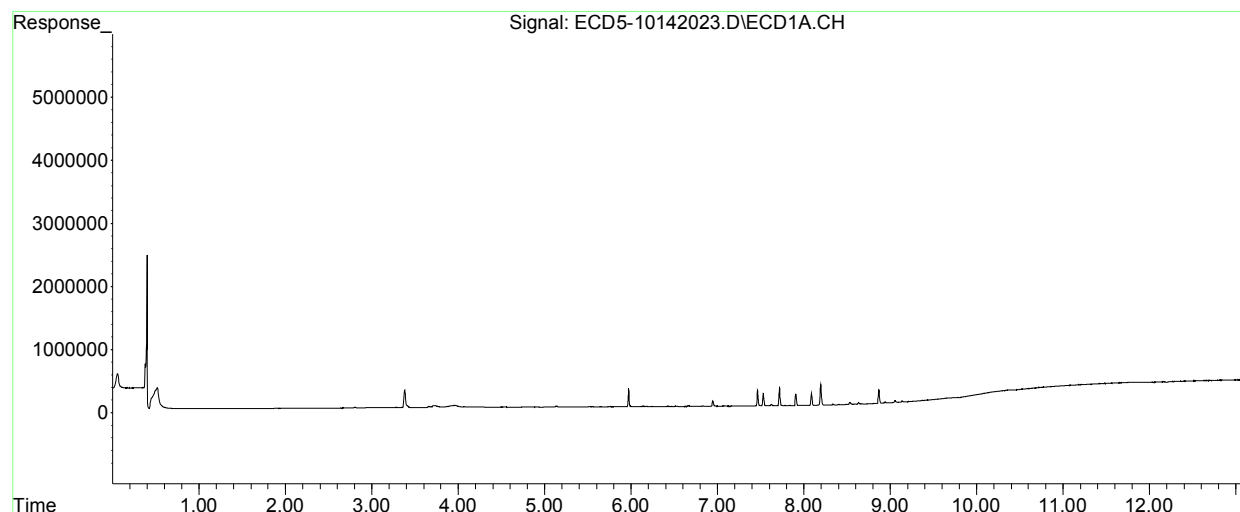
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

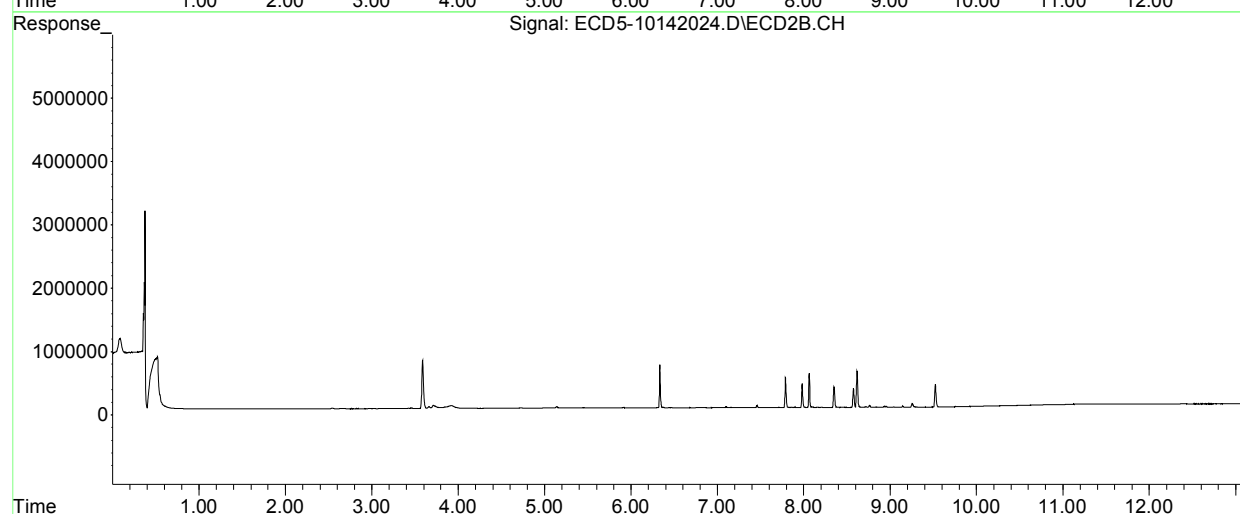
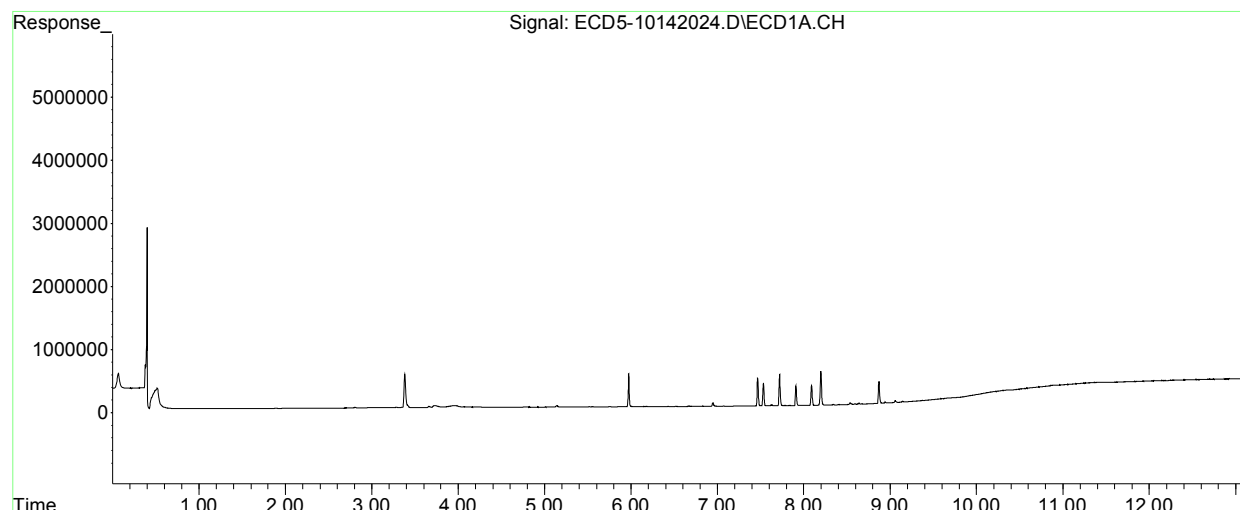
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

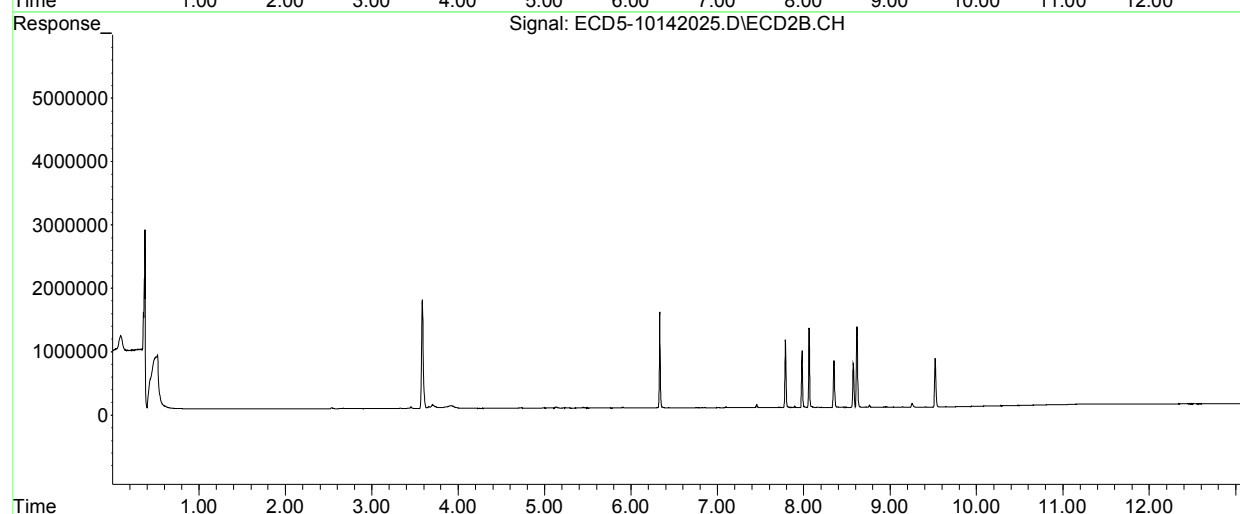
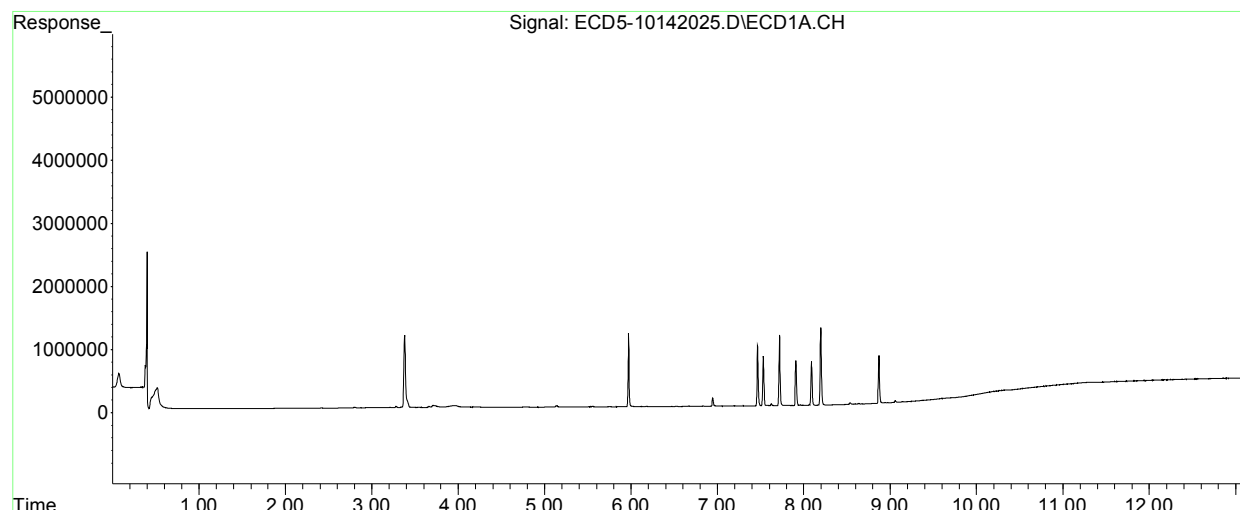
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

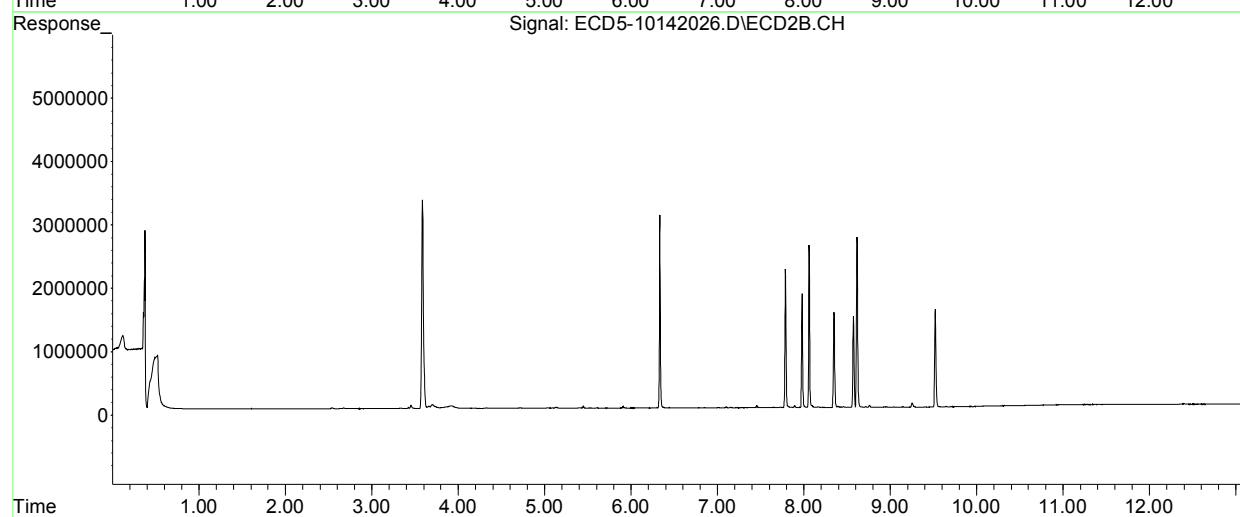
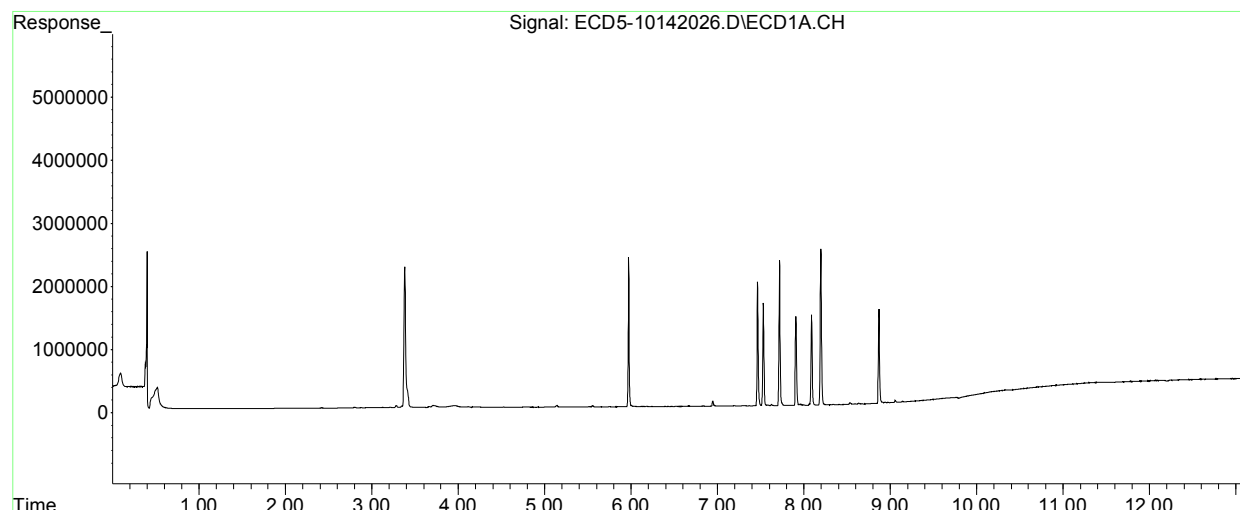
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

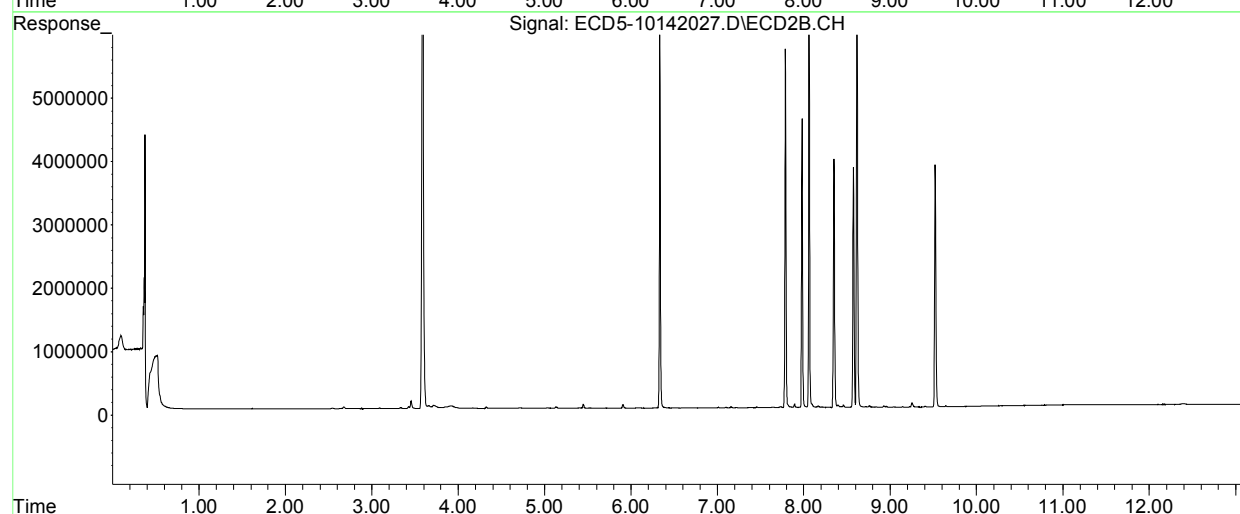
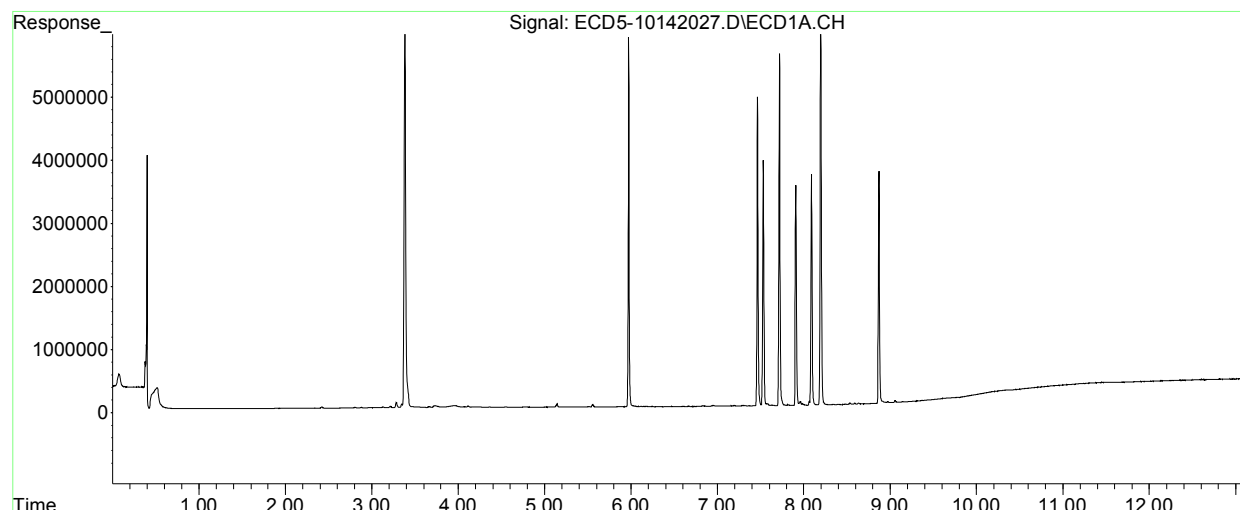
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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
 Misc : A20I185, 9-42 50 ppb
 ALS Vial : 20 (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 10:29:57 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

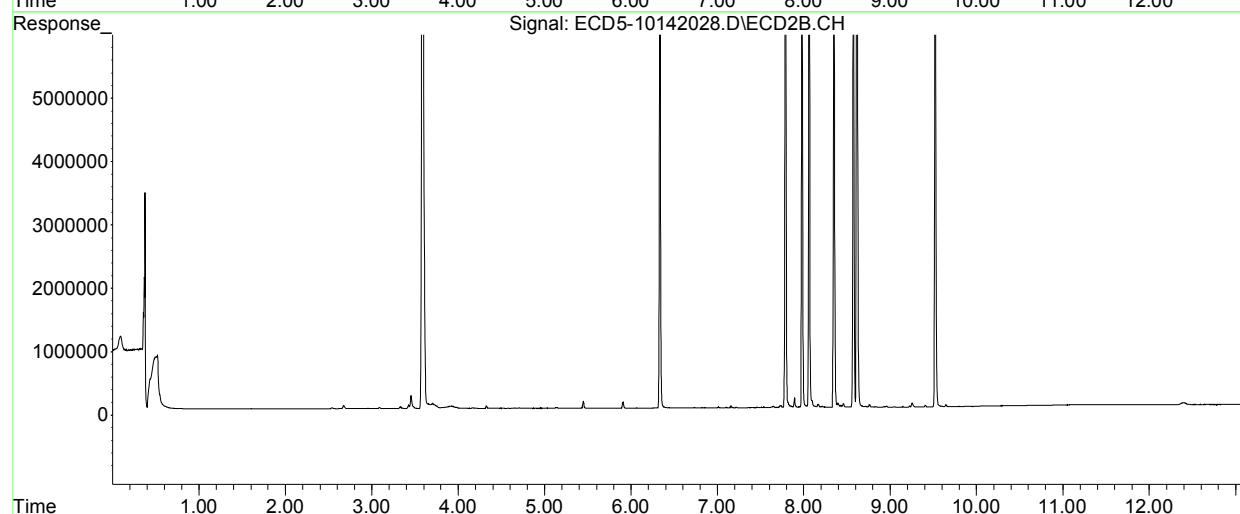
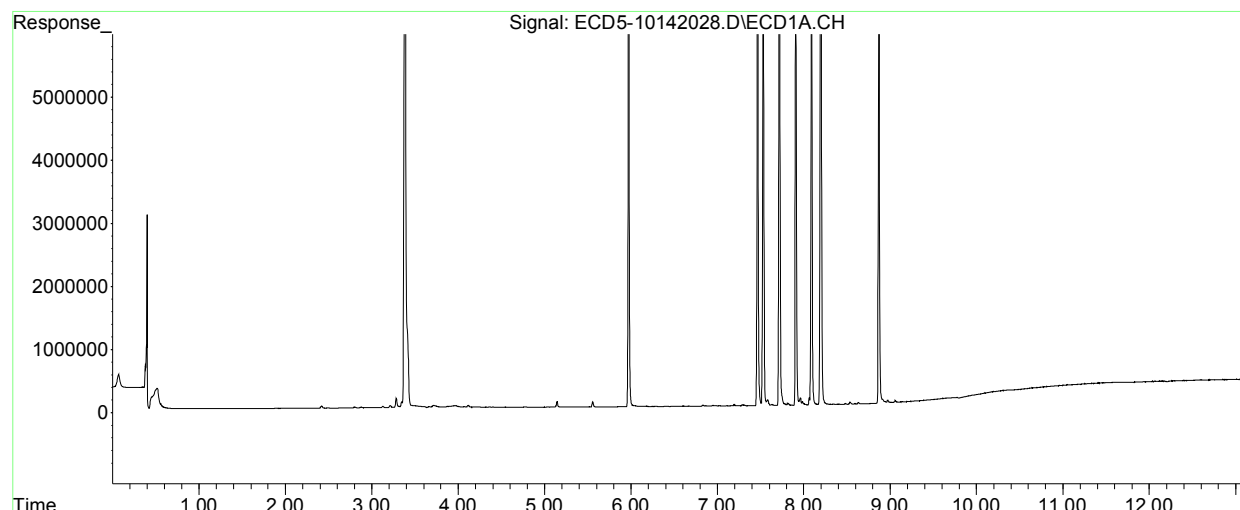
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

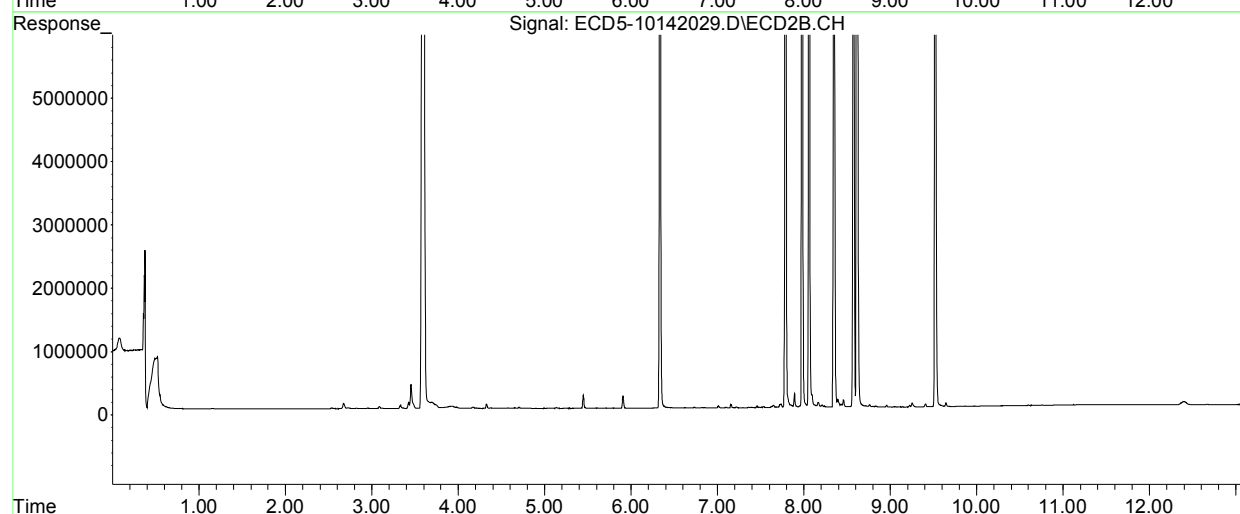
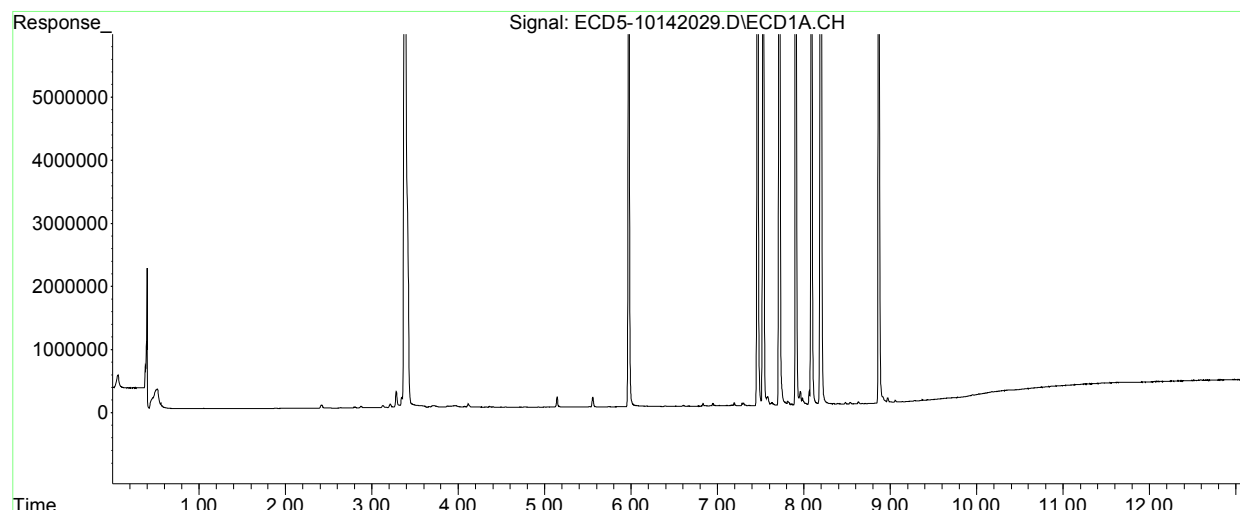
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

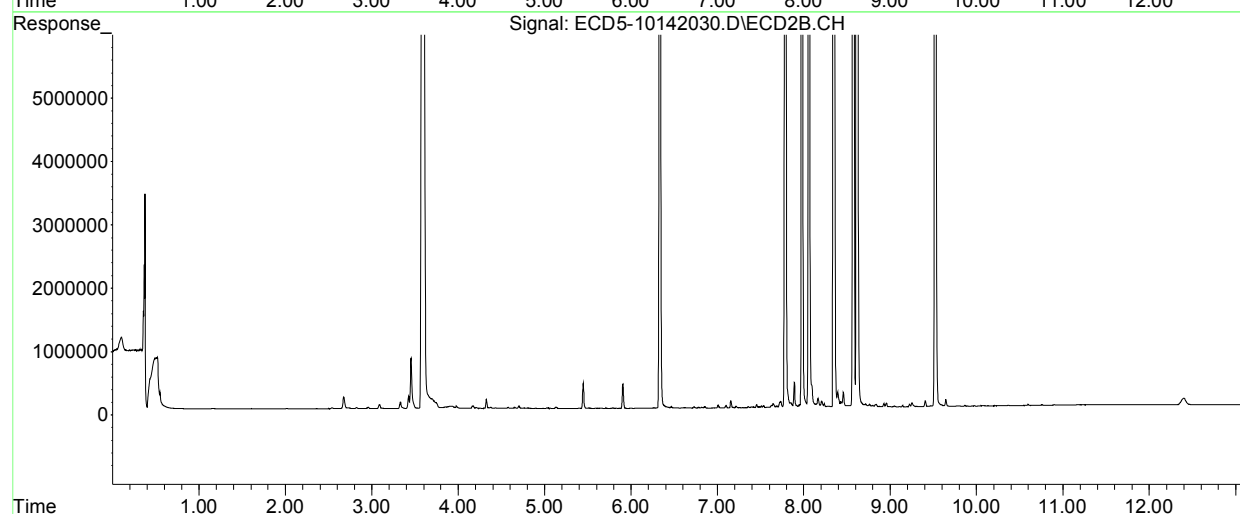
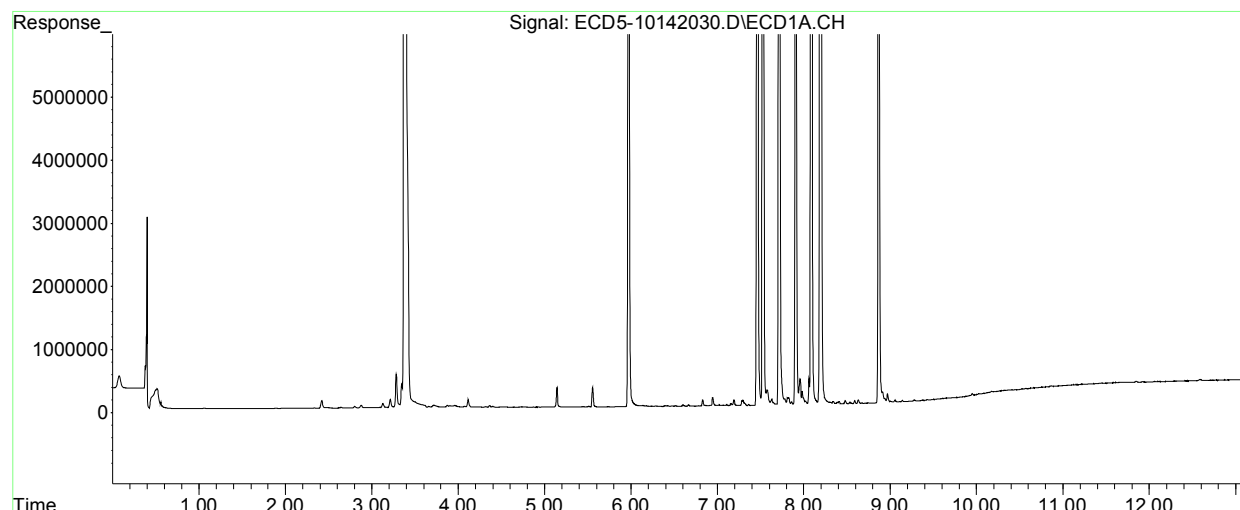
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

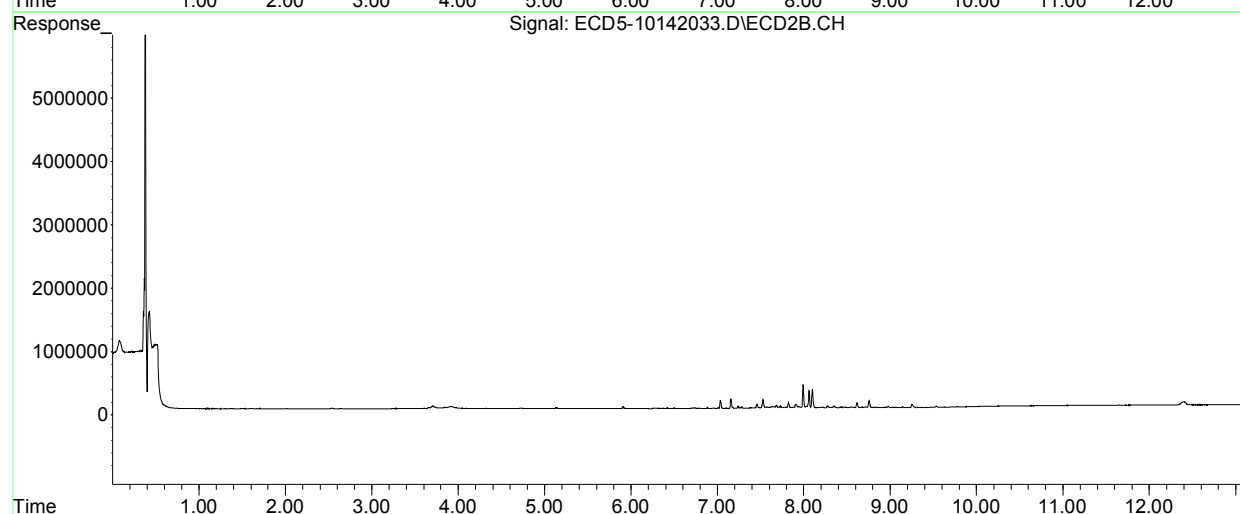
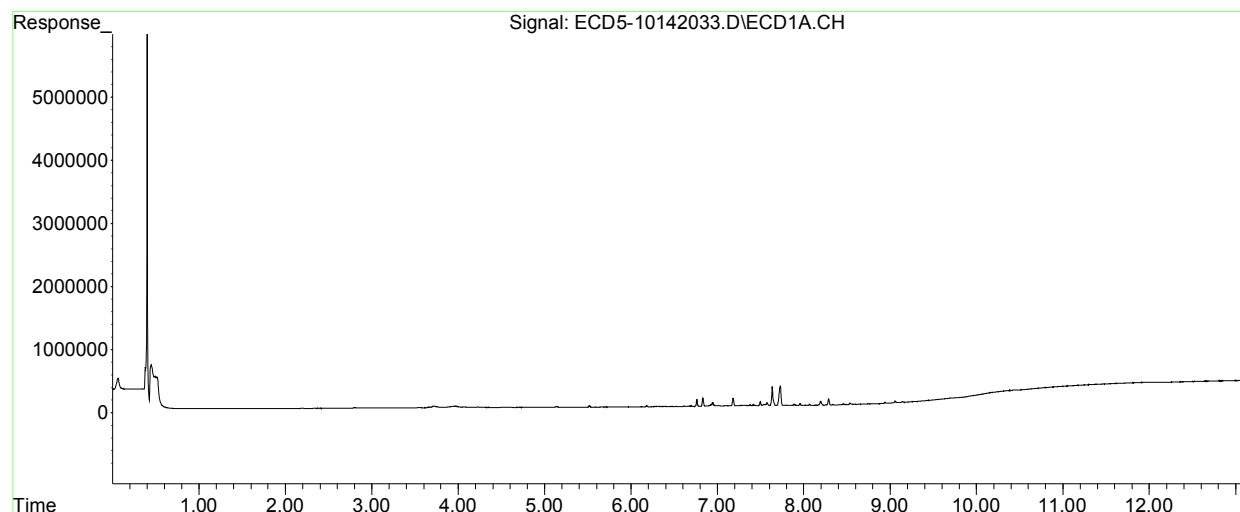
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

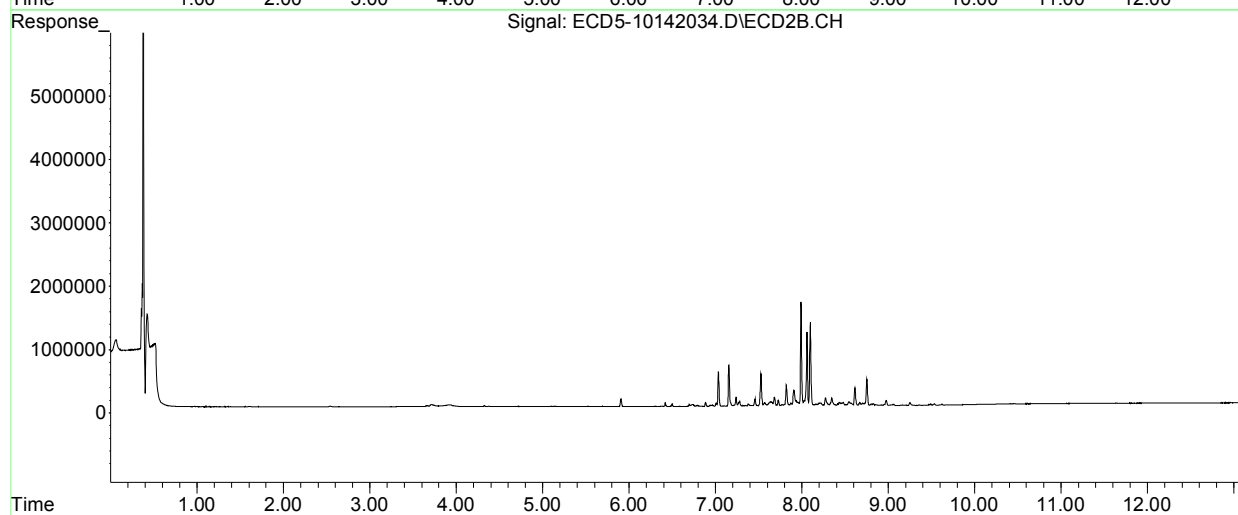
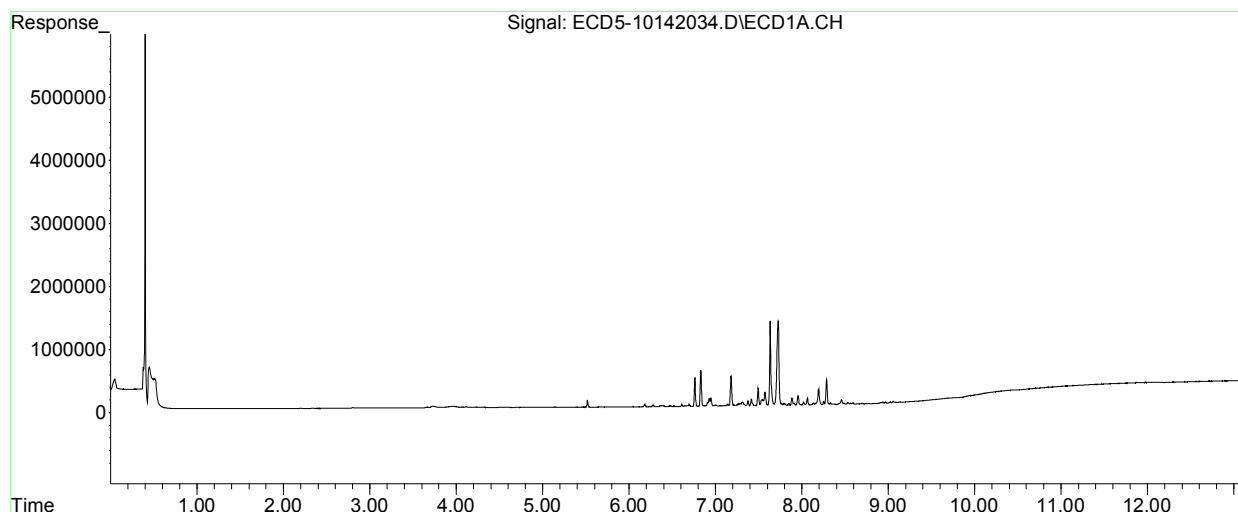
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

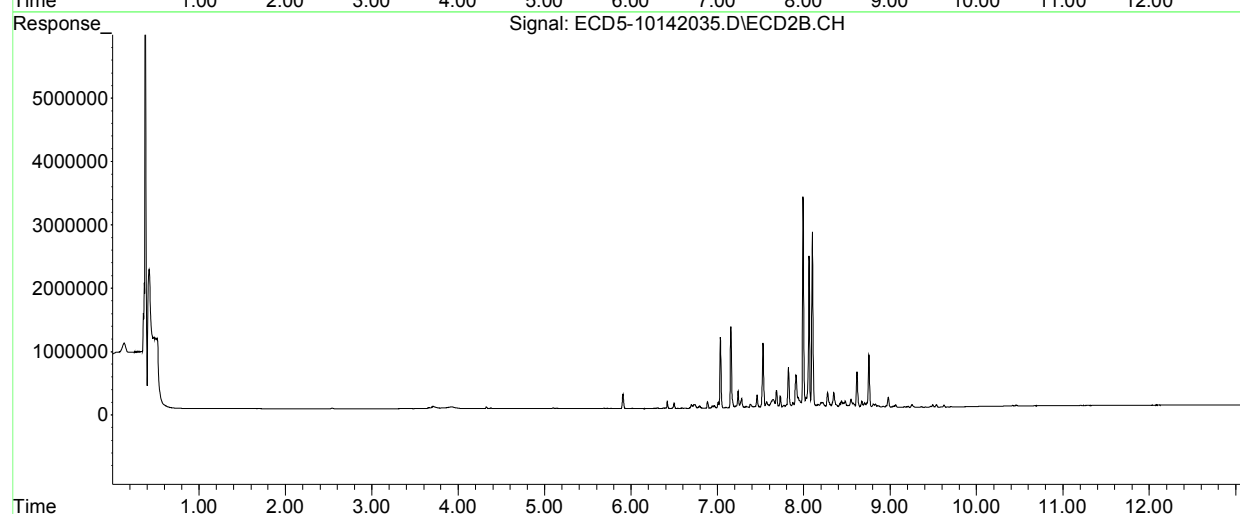
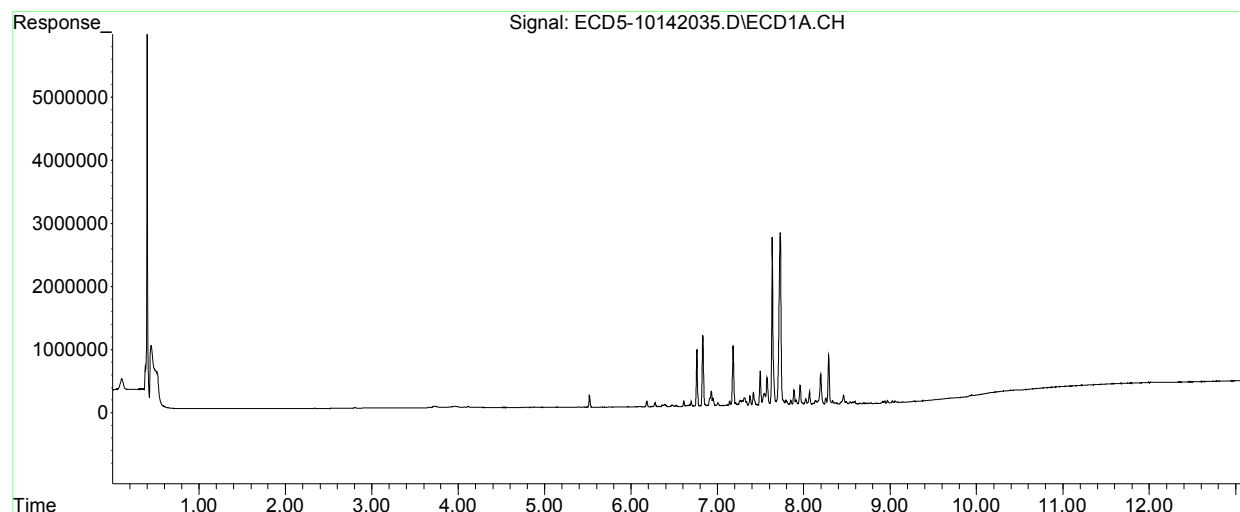
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

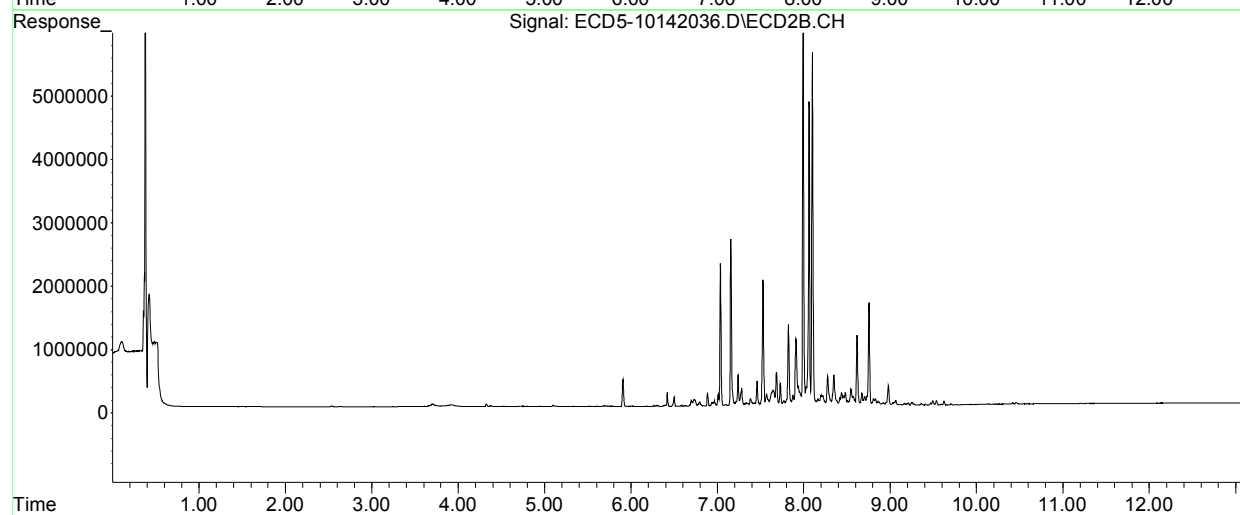
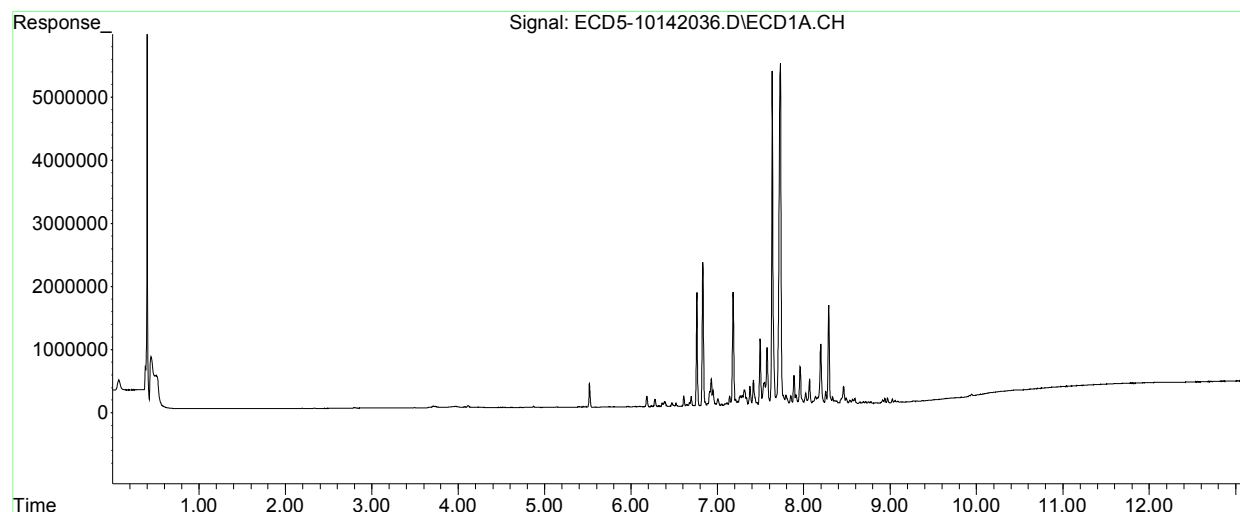
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

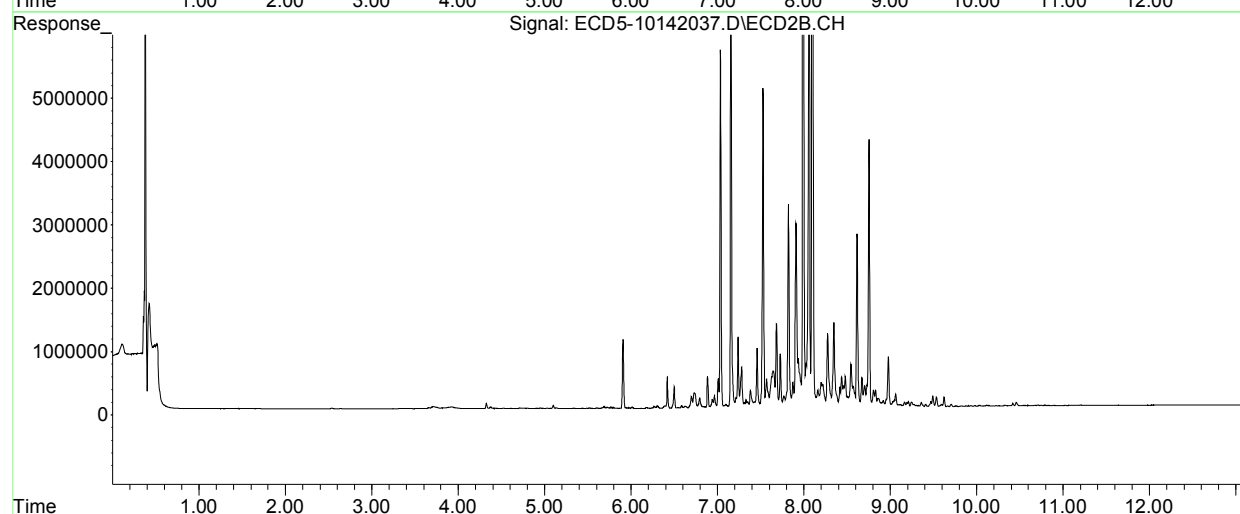
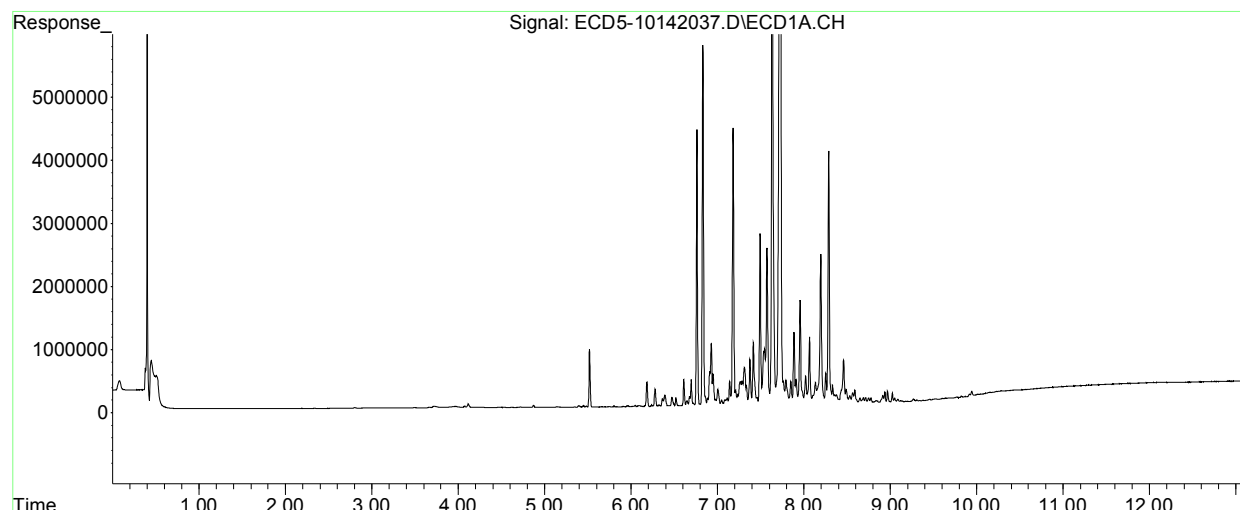
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

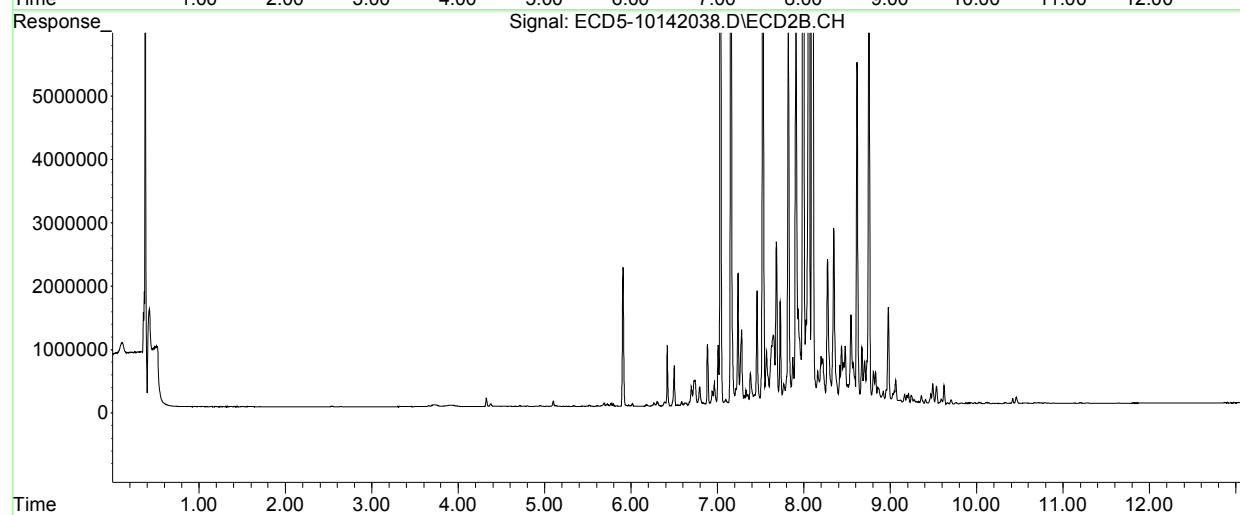
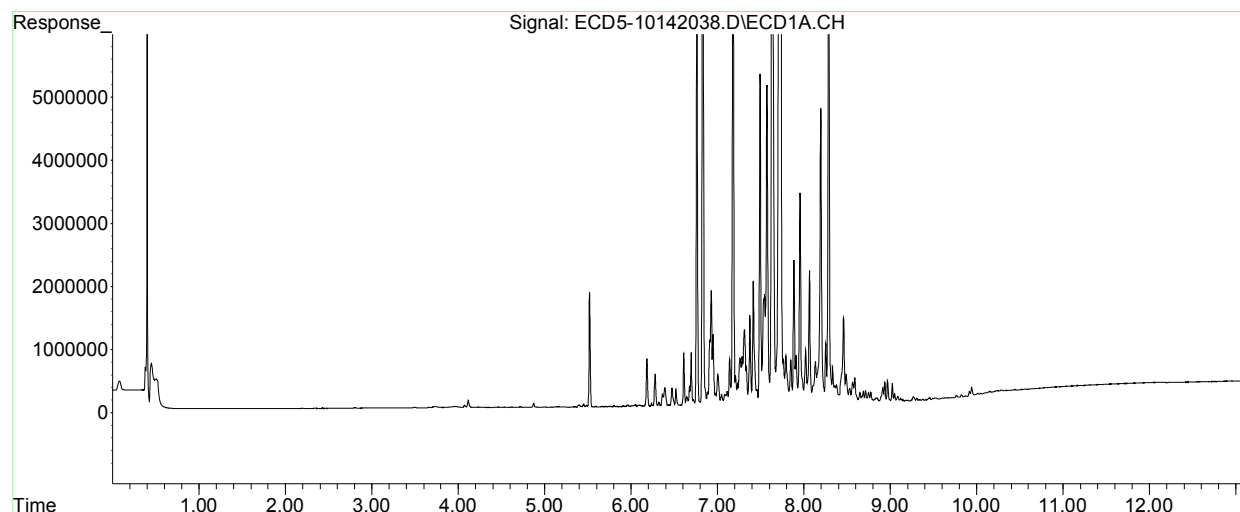
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

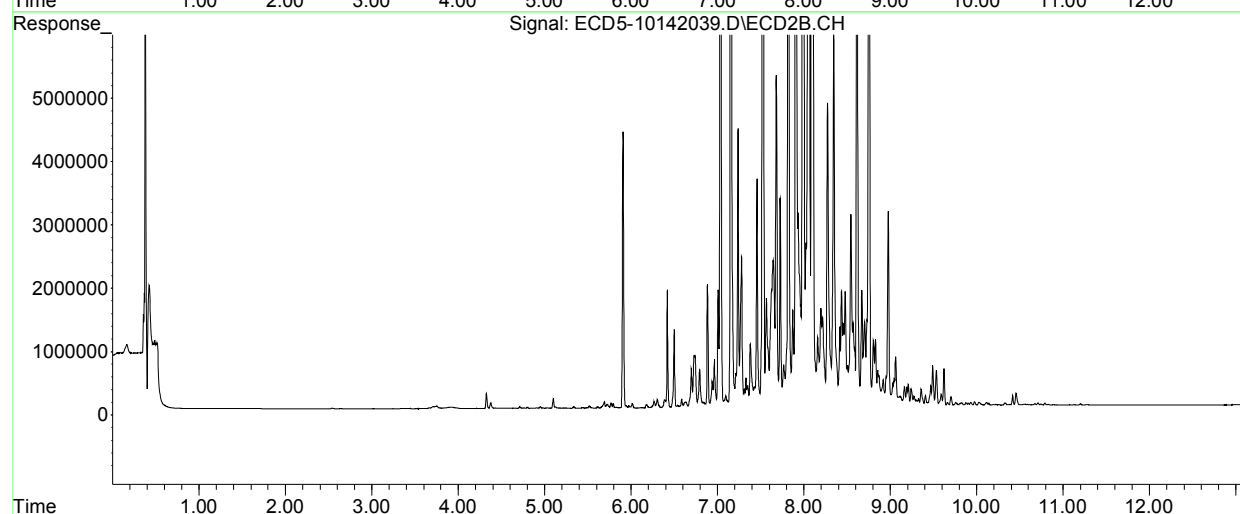
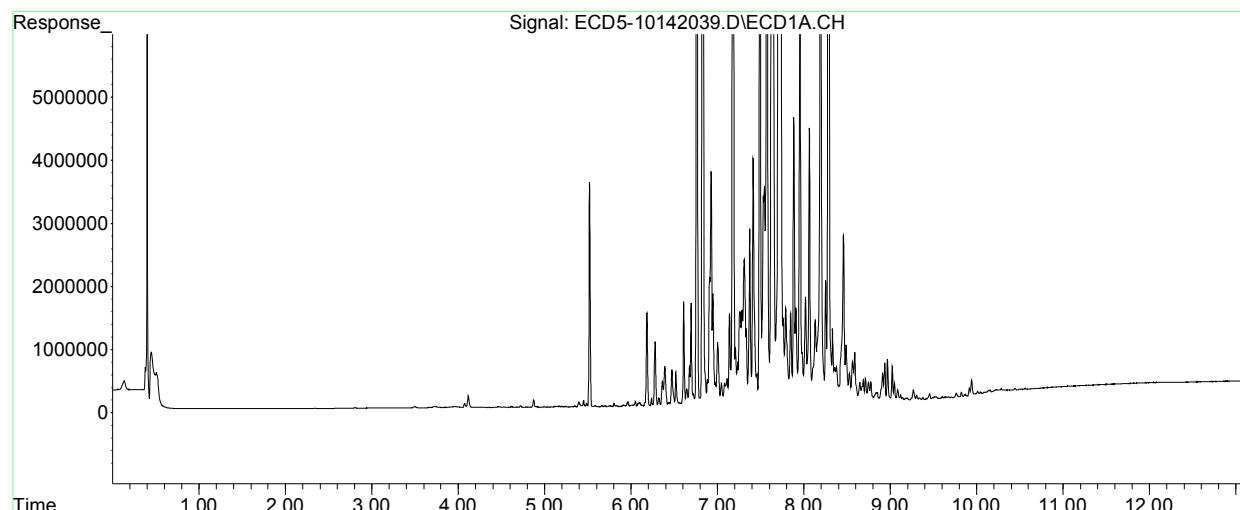
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

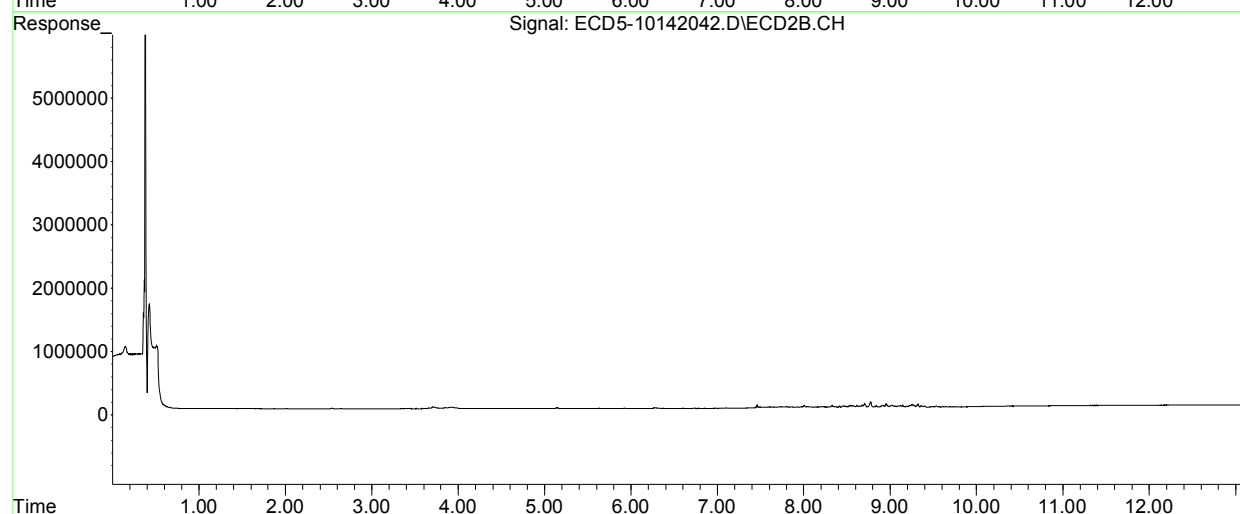
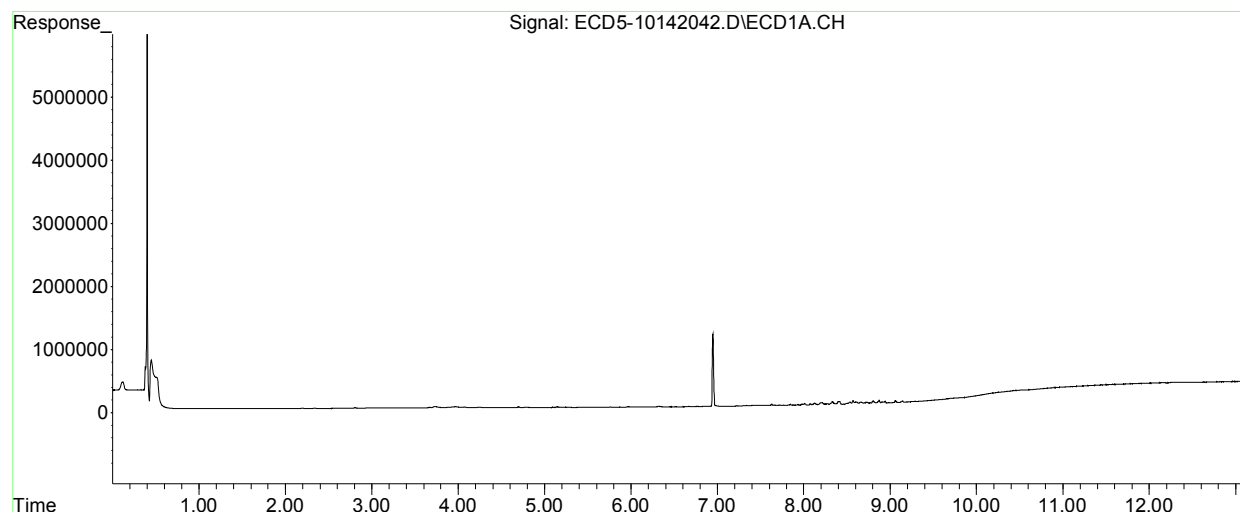
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

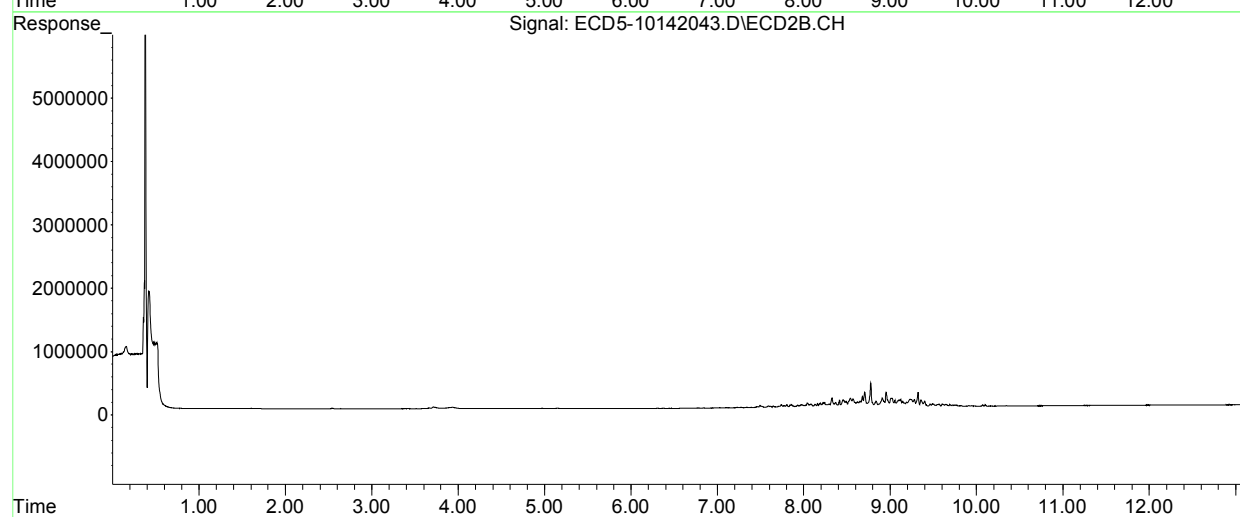
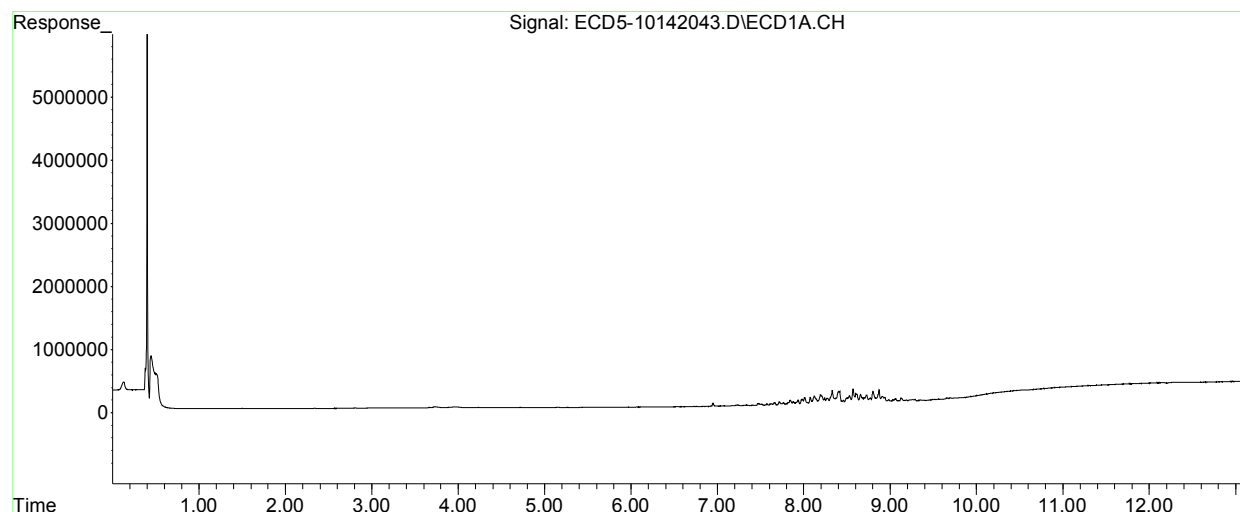
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

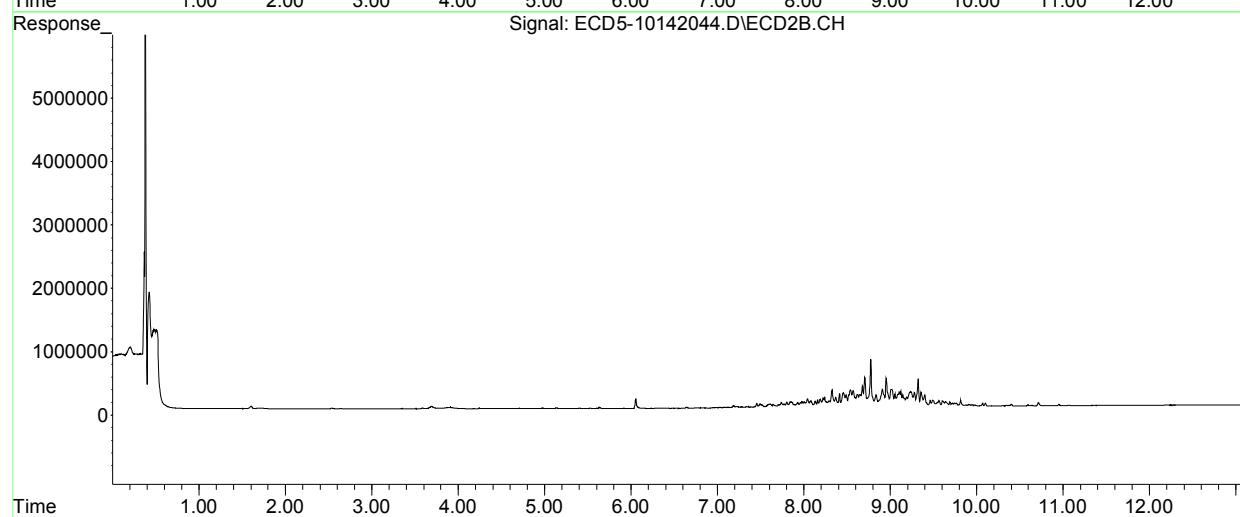
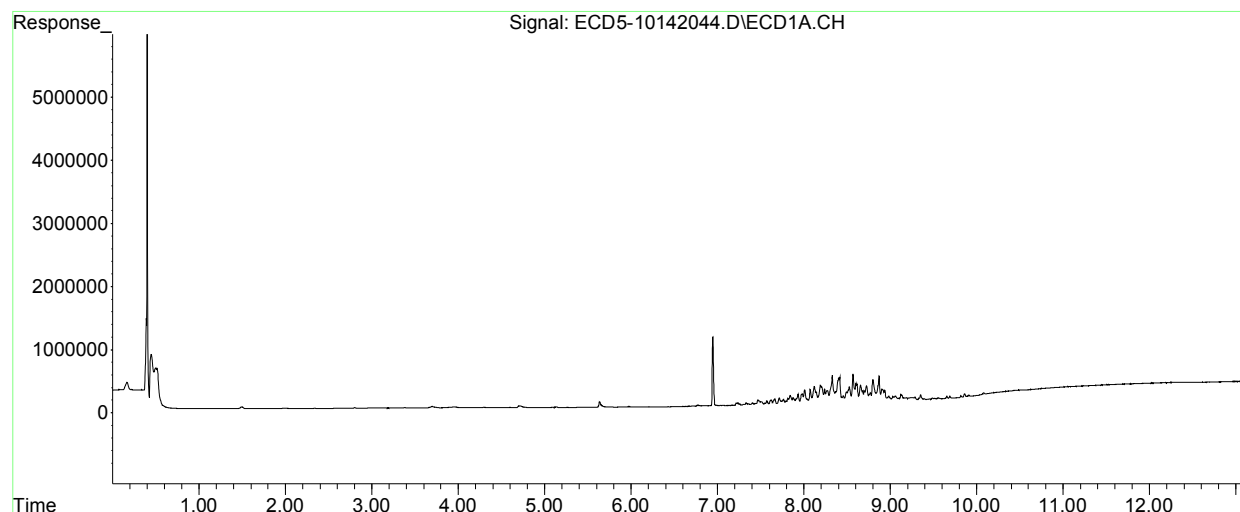
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

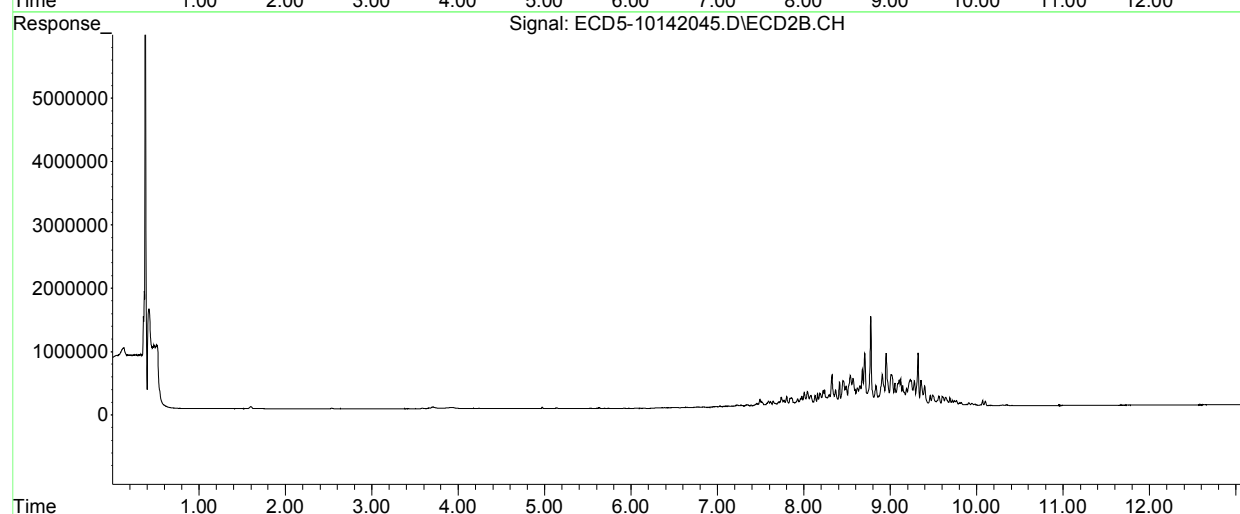
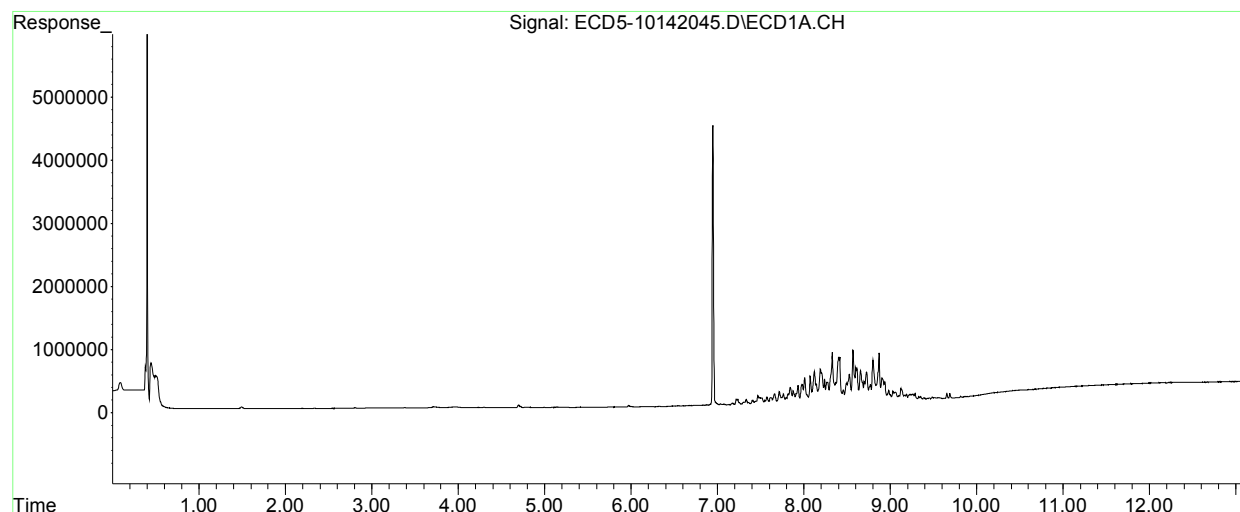
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

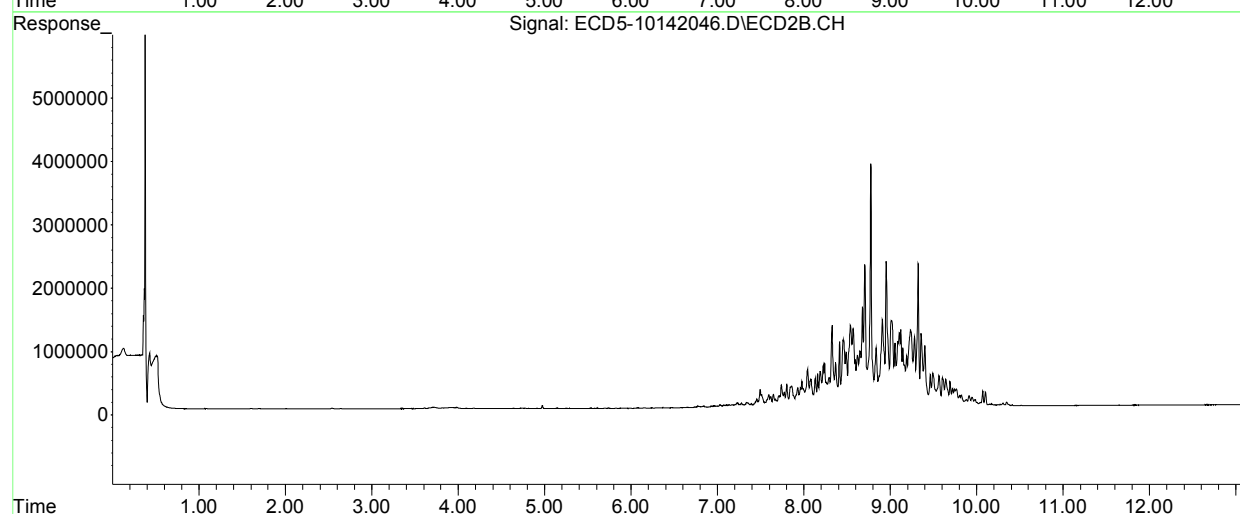
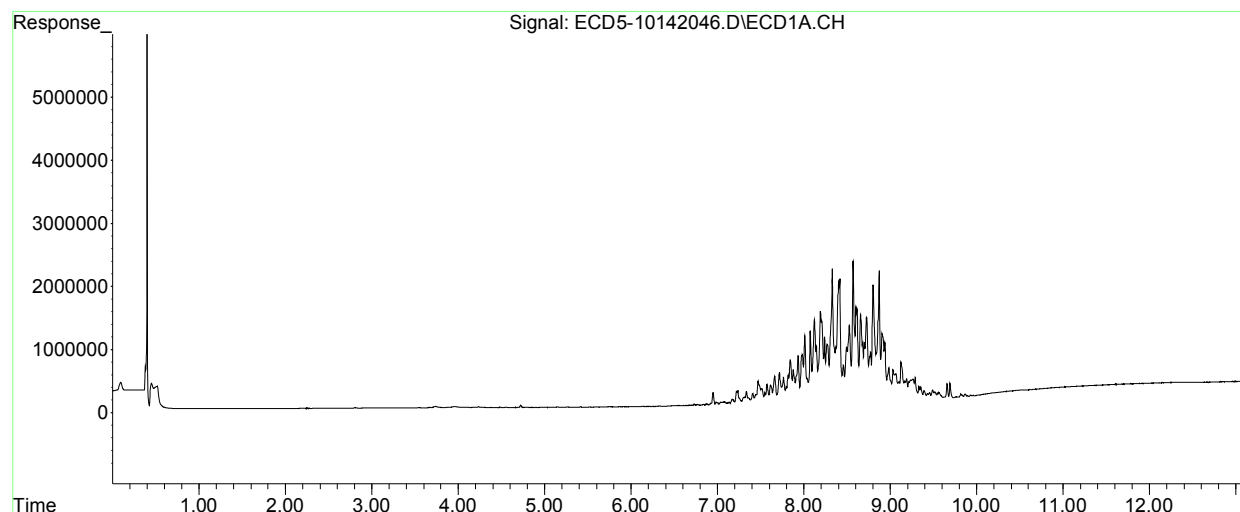
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

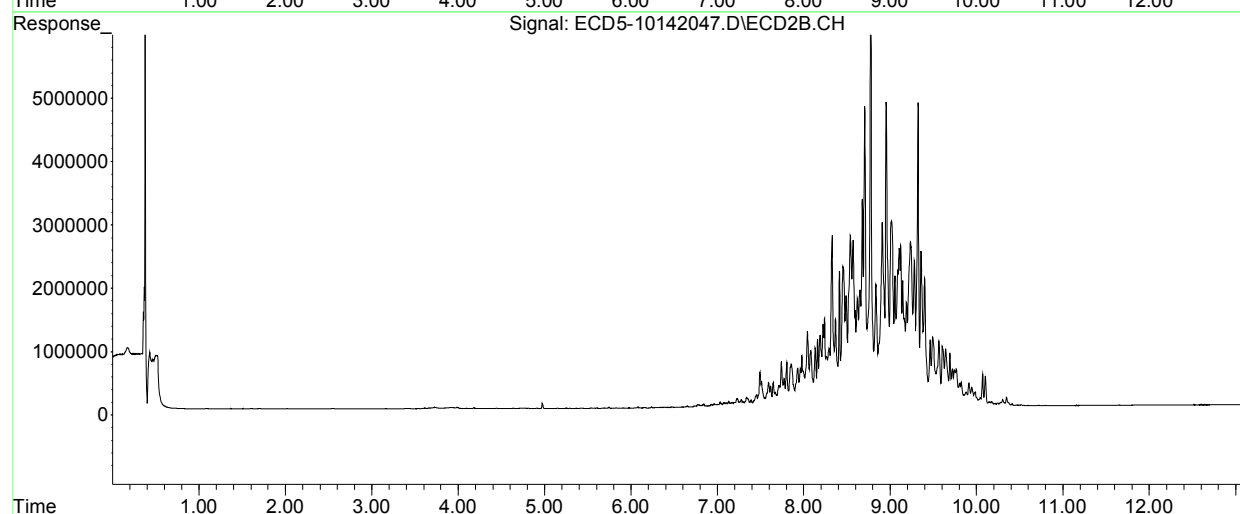
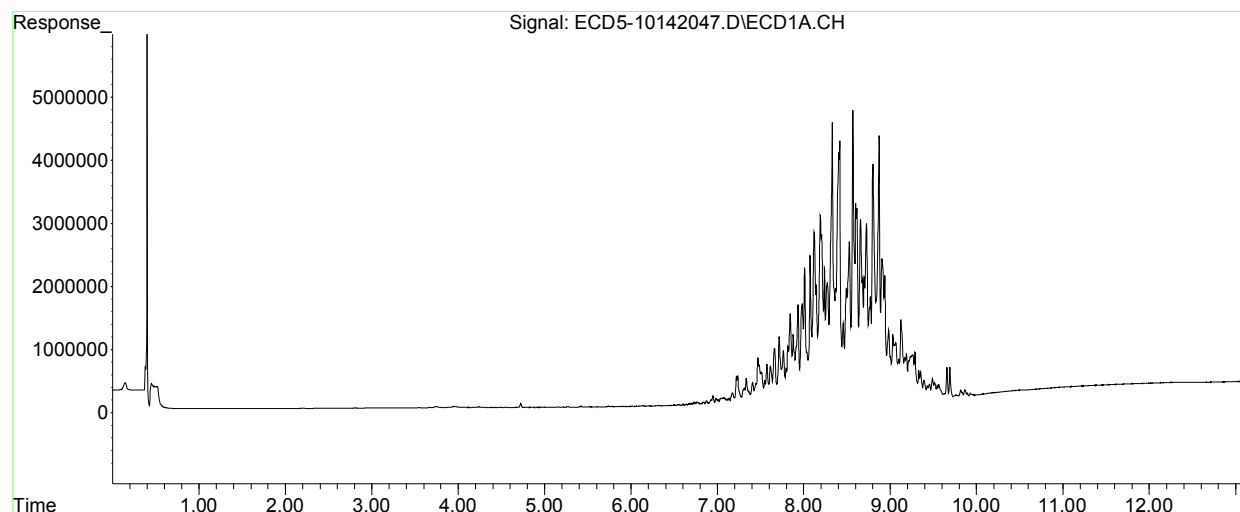
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

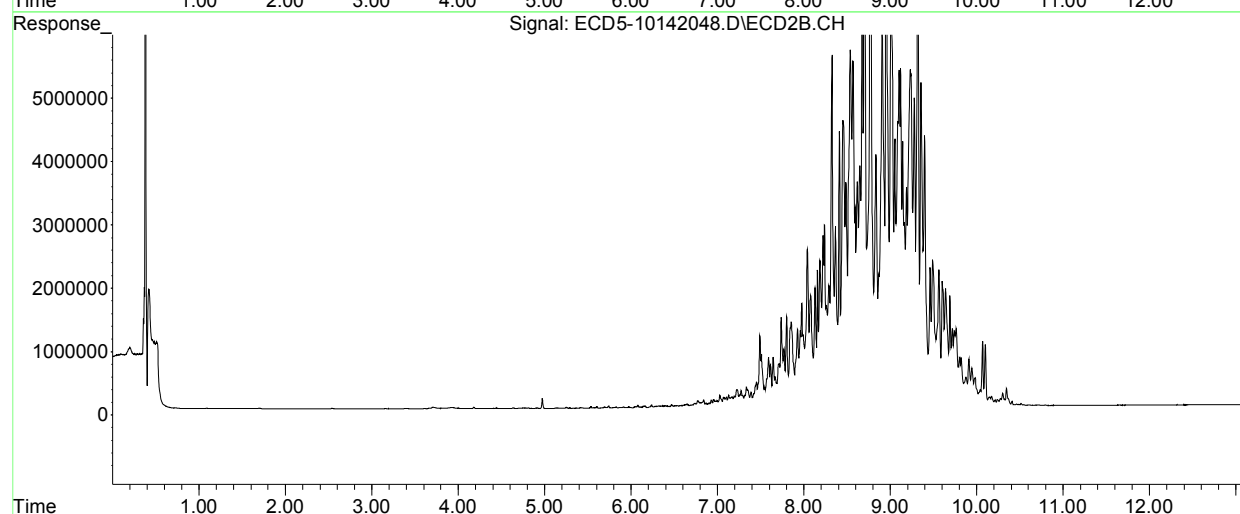
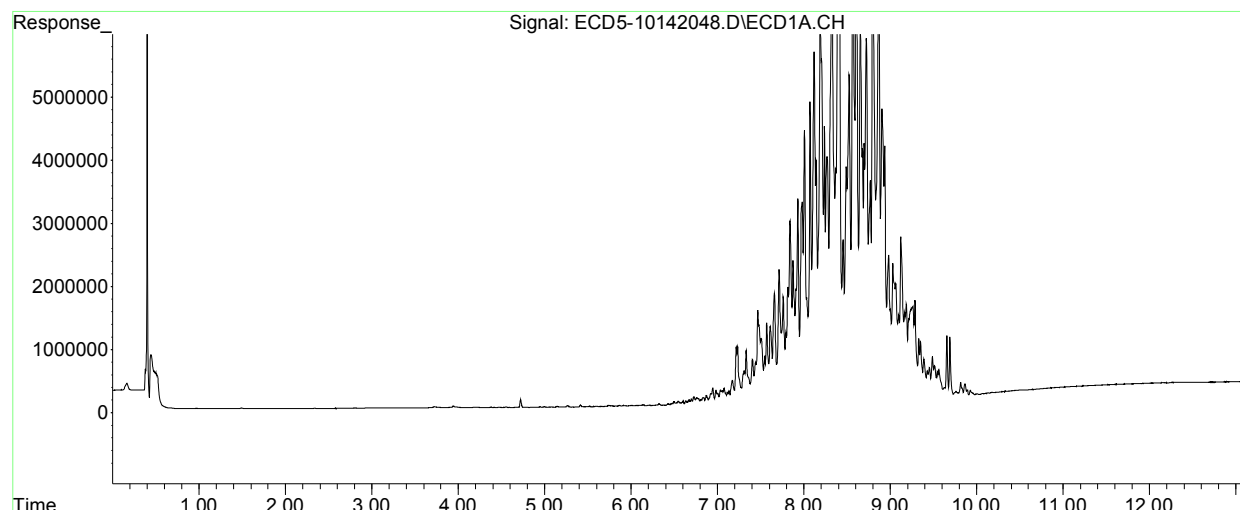
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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



**Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection
Benchsheet & Analysis Sequence Data (Including Calibration)**

Batch 0100373

Sequence 0J14043 (A0J0343-01RE1,02RE1,03RE1,04RE1,05RE1,06RE1,
07RE2)



Apex Laboratories
PREPARATION BENCH SHEET

OCT 21 2020

BATCH #: 0100373 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	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
	0100373-BLK1	QC	10/12/20 09:47	2.5	50									
	0100373-BS1	QC	10/12/20 09:47	2.5	50	A20H257		100						
	0100373-BS2	QC	10/12/20 09:47	2.5	50	A20J028		1000						
	A0J0281-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5743	50					USMPDI-027SG-201007				
	A0J0281-01RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5743	50					USMPDI-027SG-201007	Added 10/13/2020 by wvo			
	A0J0281-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5046	50					USMPDI-034SG-201007				
	A0J0281-02RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5046	50					USMPDI-034SG-201007	Added 10/13/2020 by wvo			
	A0J0281-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.525	50					USMPDI-040SG-201007	MS/MSD this sample			
	0100373-MS1	QC	10/12/20 09:47	2.5282	50	A20H320	A0J0281-03	200						
	0100373-MSD1	QC	10/12/20 09:47	2.5188	50	A20H320	A0J0281-03	200						
	A0J0281-03RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.525	50					USMPDI-040SG-201007	MS/MSD this sample			
	0100373-MS3	QC	10/12/20 09:47	2.5282	50	A20H320	A0J0281-03RE1	200						
	0100373-MSD3	QC	10/12/20 09:47	2.5188	50	A20H320	A0J0281-03RE1	200						
	A0J0281-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5623	50					USMPDI-046SG-201007				
	A0J0281-04RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5623	50					USMPDI-046SG-201007	Added 10/13/2020 by wvo			
	A0J0281-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5078	50					USMPDI-048SG-201007				
	A0J0281-05RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5078	50					USMPDI-048SG-201007	Added 10/13/2020 by wvo			
	A0J0281-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5404	50					USMPDI-1048S G-201007				
	A0J0281-06RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5404	50					USMPDI-1048S G-201007	Added 10/13/2020 by wvo			
	A0J0343-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5628	50					USMPDI-026SG-201008				
	0100373-MS2	QC	10/12/20 09:47	2.5292	50	A20H320	A0J0343-01	200						
	0100373-MSD2	QC	10/12/20 09:47	2.505	50	A20H320	A0J0343-01	200						

Prepared By: WVO Date: 10/13/20

Reviewed By: CCM Date: 10/14/2020

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100373 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-11	>11
	A0J0343-01RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5628	50					USMPDI-026SG-201008	Added 10/13/2020 by wvo			
	0100373-MS4	QC	10/12/20 09:47	2.5292	50	A20H320	A0J0343-01RE1	200						
	0100373-MSD4	QC	10/12/20 09:47	2.505	50	A20H320	A0J0343-01RE1	200						
	A0J0343-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5003	50					USMPDI-033SG-201008				
	A0J0343-02RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5003	50					USMPDI-033SG-201008	Added 10/15/2020 by wvo			
	A0J0343-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5413	50					USMPDI-038SG-201008				
	A0J0343-03RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5413	50					USMPDI-038SG-201008	Added 10/13/2020 by wvo			
	A0J0343-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5483	50					USMPDI-044SG-201008				
	A0J0343-04RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5483	50					USMPDI-044SG-201008	Added 10/13/2020 by wvo			
	A0J0343-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5262	50					USMPDI-049SG-201008				
	A0J0343-05RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5262	50					USMPDI-049SG-201008	Added 10/13/2020 by wvo			
	A0J0343-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5573	50					USMPDI-052SG-201008				
	A0J0343-06RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5573	50					USMPDI-052SG-201008	Added 10/13/2020 by wvo			
	A0J0343-07	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5008	50					USMPDI-053SG-201008				
	A0J0343-07RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5008	50					USMPDI-053SG-201008	Added 10/15/2020 by wvo			
	A0J0343-07RE2	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5008	50					USMPDI-053SG-201008	Added 10/15/2020 by wvo			
	A0J0344-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.551	50					USMPDI-041SG-201009				
	A0J0344-01RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.551	50					USMPDI-041SG-201009	Added 10/15/2020 by wvo			
	A0J0344-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5113	50					USMPDI-042SG-201009				

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100373 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	$\frac{7}{8}$	>11
	A0J0344-02RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5113	50					USMPDI-042SG-201009	Added 10/15/2020 by wvo			
	A0J0344-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5421	50					USMPDI-043SG-201009				
	A0J0344-03RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5421	50					USMPDI-043SG-201009	Added 10/15/2020 by wvo			
	A0J0344-03RE2	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5421	50					USMPDI-043SG-201009	Added 10/15/2020 by wvo			
	A0J0344-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5156	50					USMPDI-047SG-201009				
	A0J0344-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5015	50					USMPDI-050SG-201009				
	A0J0344-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5054	50					USMPDI-051SG-201009				
	A0J0344-06RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5054	50					USMPDI-051SG-201009	Added 10/15/2020 by wvo			
	A0J0344-07	B Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5765	50					USMPDI-054SG-201009				
	A0J0344-07RE1	B Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5765	50					USMPDI-054SG-201009	Added 10/15/2020 by wvo			
	A0J0344-07RE2	B Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5765	50					USMPDI-054SG-201009	Added 10/15/2020 by wvo			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A19L373	12/31/29	Syringe Filters, 0.45 um PP
A20G015	12/28/20	0.1 N NaOH
A20H410	08/24/29	Air pillow for OIA Total CN
A20B340	03/23/21	Total CN-TA1 working
A20B341	03/23/21	Total CN-TA2/SAR-working

Analyte Spike(s)

Std ID	Exp. Date	Description
A20H257	12/05/20	Cyanide working -2- TOTAL
A20H320	01/31/21	Cyanide working -1-
A20J028	03/31/21	Total CN Challenge Mtx. Stock Solution

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

OCT 19 2020

BATCH #: 0100373 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	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
	0100373-BLK1	QC	10/12/20 09:47	2.5	50									
	0100373-BS1	QC	10/12/20 09:47	2.5	50	A20H257		100	-					
	0100373-BS2	QC	10/12/20 09:47	2.5	50	A20J028		1000	-					
	A0J0281-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5743	50					USMPDI-027SG-201007				
	A0J0281-01RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5743	50					USMPDI-027SG-201007	Added 10/13/2020 by wvo			
	A0J0281-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5046	50					USMPDI-034SG-201007				
	A0J0281-02RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5046	50					USMPDI-034SG-201007	Added 10/13/2020 by wvo			
	A0J0281-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.525	50					USMPDI-040SG-201007	MS/MSD this sample			
	0100373-MS1	QC	10/12/20 09:47	2.5282	50	A20H320	A0J0281-03	200	-					
	0100373-MSD1	QC	10/12/20 09:47	2.5188	50	A20H320	A0J0281-03	200	-					
	A0J0281-03RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.525	50					USMPDI-040SG-201007	MS/MSD this sample			
	0100373-MS3	QC	10/12/20 09:47	2.5282	50	A20H320	A0J0281-03RE1	200	-					
	0100373-MSD3	QC	10/12/20 09:47	2.5188	50	A20H320	A0J0281-03RE1	200	-					
	A0J0281-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5623	50					USMPDI-046SG-201007				
	A0J0281-04RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5623	50					USMPDI-046SG-201007	Added 10/13/2020 by wvo			
	A0J0281-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5078	50					USMPDI-048SG-201007				
	A0J0281-05RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5078	50					USMPDI-048SG-201007	Added 10/13/2020 by wvo			
	A0J0281-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5404	50					USMPDI-1048S G-201007				
	A0J0281-06RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5404	50					USMPDI-1048S G-201007	Added 10/13/2020 by wvo			
	A0J0343-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5628	50					USMPDI-026SG-201008				
	0100373-MS2	QC	10/12/20 09:47	2.5292	50	A20H320	A0J0343-01	200	-					
	0100373-MSD2	QC	10/12/20 09:47	2.505	50	A20H320	A0J0343-01	200	-					

WVO
Prepared By: _____ Date: 10/15/20

CLM
Reviewed By: _____ Date: 10/15/2020

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100373 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	$\frac{7}{8}$	>11
	A0J0343-01RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5628	50					USMPDI-026SG-201008	Added 10/13/2020 by wvo			
	0100373-MS4	QC	10/12/20 09:47	2.5292	50	A20H320	A0J0343-01RE1	200	✓					
	0100373-MSD4	QC	10/12/20 09:47	2.505	50	A20H320	A0J0343-01RE1	200	✓					
	A0J0343-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5003	50					USMPDI-033SG-201008				
	A0J0343-02RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5003	50					USMPDI-033SG-201008	Added 10/15/2020 by wvo			
	A0J0343-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5413	50					USMPDI-038SG-201008				
	A0J0343-03RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5413	50					USMPDI-038SG-201008	Added 10/13/2020 by wvo			
	A0J0343-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5483	50					USMPDI-044SG-201008				
	A0J0343-04RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5483	50					USMPDI-044SG-201008	Added 10/13/2020 by wvo			
	A0J0343-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5262	50					USMPDI-049SG-201008				
	A0J0343-05RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5262	50					USMPDI-049SG-201008	Added 10/13/2020 by wvo			
	A0J0343-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5573	50					USMPDI-052SG-201008				
	A0J0343-06RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5573	50					USMPDI-052SG-201008	Added 10/13/2020 by wvo			
	A0J0343-07	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5008	50					USMPDI-053SG-201008				
	A0J0343-07RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5008	50					USMPDI-053SG-201008	Added 10/15/2020 by wvo			
	A0J0343-07RE2	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5008	50					USMPDI-053SG-201008	Added 10/15/2020 by wvo			
	A0J0344-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.551	50					USMPDI-041SG-201009				
	A0J0344-01RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.551	50					USMPDI-041SG-201009	Added 10/15/2020 by wvo			
	A0J0344-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5113	50					USMPDI-042SG-201009				

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100373 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5	>11
	A0J0344-02RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5113	50					USMPDI-042SG-201009	Added 10/15/2020 by wvo			
	A0J0344-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5421	50					USMPDI-043SG-201009				
	A0J0344-03RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5421	50					USMPDI-043SG-201009	Added 10/15/2020 by wvo			
	A0J0344-03RE2	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5421	50					USMPDI-043SG-201009	Added 10/15/2020 by wvo			
	A0J0344-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5156	50					USMPDI-047SG-201009				
	A0J0344-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5015	50					USMPDI-050SG-201009				
	A0J0344-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5054	50					USMPDI-051SG-201009				
	A0J0344-06RE1	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5054	50					USMPDI-051SG-201009	Added 10/15/2020 by wvo			
	A0J0344-07	B Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5765	50					USMPDI-054SG-201009				
	A0J0344-07RE1	B Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5765	50					USMPDI-054SG-201009	Added 10/15/2020 by wvo			
	A0J0344-07RE2	B Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5765	50					USMPDI-054SG-201009	Added 10/15/2020 by wvo			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19L373	12/31/29	Syringe Filters, 0.45 um PP	A20H257	12/05/20	Cyanide working -2- TOTAL ✓			
A20G015	12/28/20	0.1 N NaOH	A20H320	01/31/21	Cyanide working -1- ✓			
A20H410	08/24/29	Air pillow for OIA Total CN ✓	A20J028	03/31/21	Total CN Challenge Mtx. Stock Solution			
A20I340	03/23/21	Total CN-TAI working						
A20I341	03/23/21	Total CN-TA2/SAR-working						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

OCT 19 2020

BATCH #: 0100373 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	7-8	>11
	0100373-BLK1	QC	10/12/20 09:47	2.5	50									
	0100373-BS1	QC	10/12/20 09:47	2.5	50	A20H257		100						
	A0J0281-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>743</u>	50					USMPDI-027SG-201007				
	A0J0281-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>046</u>	50					USMPDI-034SG-201007				
	A0J0281-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>250</u>	50					USMPDI-040SG-201007	MS/MSD this sample			
	0100373-MS1	QC	10/12/20 09:47	2.5 <u>282</u>	50	A20H320	A0J0281-03	200						
	0100373-MSD1	QC	10/12/20 09:47	2.5 <u>188</u>	50	A20H320	A0J0281-03	200						
	A0J0281-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>623</u>	50					USMPDI-046SG-201007				
	A0J0281-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>078</u>	50					USMPDI-048SG-201007				
	A0J0281-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>404</u>	50					USMPDI-1048S G-201007				
	A0J0343-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>628</u>	50					USMPDI-026SG-201008				
	0100373-MS2	QC	10/12/20 09:47	2.5 <u>292</u>	50	A20H320	A0J0343-01	200						
	0100373-MSD2	QC	10/12/20 09:47	2.5 <u>050</u>	50	A20H320	A0J0343-01	200						
	A0J0343-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>003</u>	50					USMPDI-033SG-201008				
	A0J0343-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>050</u> <u>413</u>	50 mvo	10/12/20				USMPDI-038SG-201008				
	A0J0343-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>483</u>	50					USMPDI-044SG-201008				
	A0J0343-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>262</u>	50					USMPDI-049SG-201008				
	A0J0343-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>573</u>	50					USMPDI-052SG-201008				
	A0J0343-07	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>008</u>	50					USMPDI-053SG-201008				
	A0J0344-01	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>510</u>	50					USMPDI-041SG-201009				
	A0J0344-02	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 <u>113</u>	50					USMPDI-042SG-201009				

mvo

10/12/20

CLM 10/13/2020

Prepared By:

Date

Reviewed By:

Date

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100373 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	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
	A0J0344-03	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 421-	50					USMPDI-043SG-201009				
	A0J0344-04	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 150-	50					USMPDI-047SG-201009				
	A0J0344-05	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 015-	50					USMPDI-050SG-201009				
	A0J0344-06	A Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 054-	50					USMPDI-051SG-201009				
	A0J0344-07	B Cyanide, Total (ASTM D7511, OIA)	10/12/20 09:47	2.5 765-	50					USMPDI-054SG-201009				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19L373	12/31/29	Syringe Filters, 0.45 um PP	A20H257	12/05/20	Cyanide working -2- TOTAL ✓			
A20G015	12/28/20	0.1 N NaOH	A20H320	01/31/21	Cyanide working -1- ✓			
A20H410	08/24/29	Air pillow for OIA Total CN ✓						
A20I340	03/23/21	Total CN-TA1 working						
A20I341	03/23/21	Total CN-TA2/SAR-working						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

OCT 19 2020

Sequence: OJ14043
Date: 10/14/20 11:03

Instrument: OIA FS3000-2
Calibration: A0J1302

A0J1504 WVO 10/15/20

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ14043-CAL1	Soil	QC	QC				
2	OJ14043-CAL2	Soil	QC	QC				A20H332-
3	OJ14043-CAL3	Soil	QC	QC				A20H328 -
4	OJ14043-CAL4	Soil	QC	QC				A20H327 -
5	OJ14043-CAL5	Soil	QC	QC				A20H325 ✓
6	OJ14043-CAL6	Soil	QC	QC				A20H323 -
7	OJ14043-CAL7	Soil	QC	QC				A20H321 ✓
8	OJ14043-ICV1	Soil	QC	QC				A20I422 ✓
9	OJ14043-ICB1	Soil	QC	QC				
10	0100373-BS2	Soil	QC	QC		0100373		
11	A0J0281-01RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
12	A0J0281-02RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
13	A0J0281-03RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
14	0100373-MS3	Soil	QC	QC		0100373		
15	0100373-MSD3	Soil	QC	QC		0100373		
16	A0J0281-04RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
17	A0J0343-01RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
18	0100373-MS4	Soil	QC	QC		0100373		
19	0100373-MSD4	Soil	QC	QC		0100373		
20	OJ14043-CCV1	Soil	QC	QC				A20H323 -
21	OJ14043-CCB1	Soil	QC	QC				
22	A0J0344-02RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
23	A0J0343-03RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
24	A0J0343-04RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
25	A0J0281-05RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
26	A0J0281-06RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
27	A0J0343-05RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
28	A0J0343-06RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
29	OJ14043-CCV2	Soil	QC	QC				A20H323 ✓
30	OJ14043-CCB2	Soil	QC	QC				
31	A0J0343-07	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
32	A0J0344-01	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
33	A0J0344-02	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
34	A0J0344-03	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
35	A0J0344-04	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
36	A0J0344-05	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
37	A0J0344-06	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
38	A0J0344-07	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
39	OJ14043-CCV3	Soil	QC	QC				A20H323 ✓
40	OJ14043-CCB3	Soil	QC	QC				
41	A0J0343-07RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
42	A0J0344-01RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
43	A0J0344-02RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
44	A0J0344-03RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
45	A0J0344-06RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
46	A0J0344-07RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
47	A0J0343-07RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
48	OJ14043-CCV4	Soil	QC	QC				A20H323 ✓
49	OJ14043-CCB4	Soil	QC	QC				
50	A0J0344-03RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		
51	A0J0344-07RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/23/20	0100373		

Sequence: 0J14043
Date: 10/14/20 11:03

Instrument: OIA FS3000-2
Calibration: A0J1302

#	<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	0J14043-CCV5	Soil	QC	QC				
53	0J14043-CCB5	Soil	QC	QC				A20H323 ✓

Data Entered By/Date: WV O 10/15/20

Comments:

Data Reviewed By/Date: CLMP 10/15/2020

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name wvo
 Operator ID wvo
 Platform FS III/IV/3100
 Software Rev Code 234
 Data system ID 57
 Result path C:\FLOW_4\OJ14043.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 14-Oct-20
 Time acquired 19:17

Correction made & saved Seq. as OJ14043A

WVO 10/15/20

----- TOTAL CN 50ppb -----						
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	1212615	27.007				
Sync 25 ppb	1200592	26.752				
Sync 25 ppb	1212506	27.005				
(Statistics)				1208571	26.921	.572%
Carryover	11579	1.177				
Read Baseline	-12990	0.642	BL			
Cal 0.0 ppb	-39473	0.065				
Cal 1.0 ppb	5383	1.042				
Cal 2.0 ppb	38191	1.756				
Cal 5.0 ppb	162619	4.460				
Cal 10.0 ppb	387264	9.325				
Cal 25.0 ppb	1143603	25.540				
Cal 50.0 ppb	2302051	49.889				
Blank	17197	1.299				
Read Baseline	-2918	0.861	BL			
OJ14043-ICV1	1108247	24.788				
OJ14043-ICB1	-23654	0.409				
Blank	-23767	0.407				
Read Baseline	-5488	0.805	BL			
O100373-BS2	106513	3.241				
Read Baseline	-9592	0.716	BL			
A0J0281-01RE1@2	748086	17.092				
A0J0281-02RE1@2	846091	19.191				
Read Baseline	-11832	0.667	BL			
A0J0281-03RE1@5	685198	15.742				
O100373-MS3@5	787868	17.945				
O100373-MSD3@5	1534110	33.814				

*OK Ann
10/15/2020*

Result path C:\FLOW_4\0J14043.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 14-Oct-20
 Time acquired 19:17

----- TOTAL CN 50ppb -----

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	-6976	0.773	BL			
A0J0281-04RE1@5 ✓	1845366	40.360-				
Read Baseline	-23057	0.422	BL			
A0J0343-01RE1@2 ✓	1724902	37.832-				
0100373-MS4@2 ✓	1264612	28.111✓				
0100373-MSD4@2 ✓	1285521	28.555✓				
Read Baseline	-4586	0.825	BL			
0J14043-CCV1	1203202	26.807-				
0J14043-CCB1	-5844	0.797-				
Read Baseline	557	0.937	BL			
A0J0343-02RE1@2 ✓	1195746	26.649-				
A0J0343-03RE1@2 ✓	1301586	28.895-				
A0J0343-04RE1@10 ✓	1119528	25.028-				
Read Baseline	10753	1.159	BL			
A0J0281-05RE1@50	768011	17.519-				
Read Baseline	4494	1.022	BL			
A0J0281-06RE1@50-	795259	18.103-				
Read Baseline	-17095	0.552	BL			
A0J0343-05RE1@50-	915802	20.683-				
Read Baseline	-19334	0.503	BL			
A0J0343-06RE1@100-	978331	22.018-				
Read Baseline	-2561	0.869	BL OL			
Read Baseline	-26327	0.351	BL			
Read Baseline	-32431	0.218	BL			
0J14043-CCV2	1217619	27.113-				
0J14043-CCB2	14163	1.233-				
Read Baseline	-6694	0.779	BL			
Read Baseline	-17929	0.534	BL			
A0J0343-07@10-	52190812	538.632-	HI <i>NR over range</i>			
A0J0344-01@10-	2100391	45.692-	FL <i>NR possible carry over</i>			
A0J0344-02@10-	481426	11.357-	FL <i>NR over diluted</i>			
Read Baseline	-9329	0.721	BL			
A0J0344-03@10-	245840	6.265-	→ <i>NR over diluted</i>			
A0J0344-04@10-	1288161	28.611-				
Read Baseline	-21524	0.456	BL			
A0J0344-05@10-	1378707	30.529-				
A0J0344-06@10 ✓	2318190	50.224-				

WV 10/15/20

Result path C:\FLOW_4\OJ14043.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 14-Oct-20
 Time acquired 19:17

----- TOTAL CN 50ppb -----

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
A0J0344-07@10 -	23846998	395.199 -	HI	→ NR. over range - MI baseline due to extreme overrange sample.		
Read Baseline	60782	2.247	BL UM			
OJ14043-CCV3	1228444	27.343 -	FL			
OJ14043-CCB3	-1274	0.897 -				
Read Baseline	-8105	0.748	BL			
A0J0343-07RE1@200 -	3751600	79.525 -	HI	- NR. over range		
A0J0344-01RE1@2 -	1061236	23.786 -	FL			
Read Baseline	10865	1.161	BL			
A0J0344-02RE1@5 -	576090	13.396 -		NR. over diluted WVO 10/15/20		
A0J0344-03RE1	2796113	60.093 -	HI	- NR. over range		
Read Baseline	37206	1.734	BL			
A0J0344-06RE1@20 -	1169906	26.099 -	FL			
Read Baseline	3446	1.000	BL			
A0J0344-07RE1@100 -	2631475	56.705 -	HI	- NR. over range		
Read Baseline	61195	2.256	BL			
A0J0343-07RE1@500	906352	20.481 -	FL			
OJ14043-CCV4	1179524	26.304 -				
OJ14043-CCB4	13592	1.221 -				
Read Baseline	12815	1.204	BL			
A0J0344-04RE2@2 -	1353980	30.006 -				
Read Baseline	-13053	0.640	BL			
A0J0344-07RE2@200 -	1365731	30.254 -				
Read Baseline	28757	1.551	BL			
OJ14043-CCV5	1141624	25.498 -				
OJ14043-CCB5	1656	0.961 -				
Read Baseline	-13694	0.626	BL			

WVO
10/15/20

WVO
10/15/20
03 WVO
10/15/20

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name wvo
Operator ID wvo
Platform FS III/IV/3100
Software Rev Code 234
Data system ID 57

Result path C:\FLOW_4\0J14043.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 14-Oct-20
Time acquired 19:17

Date	Time	Cup	Name
14-Oct-20	15:42	106	Sync 25 ppb
14-Oct-20	15:44	106	Sync 25 ppb
14-Oct-20	15:46	106	Sync 25 ppb
			(Statistics)
14-Oct-20	15:48	0	Carryover
14-Oct-20	15:50	0	Read Baseline
14-Oct-20	15:52	101	Cal 0.0 ppb
14-Oct-20	15:54	102	Cal 1.0 ppb
14-Oct-20	15:56	103	Cal 2.0 ppb
14-Oct-20	15:58	104	Cal 5.0 ppb
14-Oct-20	16:00	105	Cal 10.0 ppb
14-Oct-20	16:02	106	Cal 25.0 ppb
14-Oct-20	16:04	107	Cal 50.0 ppb
14-Oct-20	16:06	0	Blank
14-Oct-20	16:08	0	Read Baseline
14-Oct-20	16:10	108	0J14043-ICV1
14-Oct-20	16:12	0	0J14043-ICB1
14-Oct-20	16:14	0	Blank
14-Oct-20	16:16	0	Read Baseline
14-Oct-20	16:18	109	0100373-BS2
14-Oct-20	16:20	0	Read Baseline
14-Oct-20	16:22	110	A0J0281-01RE1@2
14-Oct-20	16:24	111	A0J0281-02RE1@2
14-Oct-20	16:26	0	Read Baseline
14-Oct-20	16:28	112	A0J0281-03RE1@5
14-Oct-20	16:30	113	0100373-MS3@5
14-Oct-20	16:32	114	0100373-MSD3@5

Result path C:\FLOW_4\0J14043.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 14-Oct-20
Time acquired 19:17

Date	Time	Cup	Name
14-Oct-20	16:34	0	Read Baseline
14-Oct-20	16:36	115	A0J0281-04RE1@5
14-Oct-20	16:38	0	Read Baseline
14-Oct-20	16:40	116	A0J0343-01RE1@2
14-Oct-20	16:42	117	0100373-MS4@2
14-Oct-20	16:44	118	0100373-MSD4@2
14-Oct-20	16:46	0	Read Baseline
14-Oct-20	16:48	106	0J14043-CCV1
14-Oct-20	16:50	0	0J14043-CCB1
14-Oct-20	16:52	0	Read Baseline
14-Oct-20	16:54	119	A0J0343-02RE1@2
14-Oct-20	16:56	120	A0J0343-03RE1@2
14-Oct-20	16:58	121	A0J0343-04RE1@10
14-Oct-20	17:00	0	Read Baseline
14-Oct-20	17:02	122	A0J0281-05RE1@50
14-Oct-20	17:04	0	Read Baseline
14-Oct-20	17:06	123	A0J0281-06RE1@50
14-Oct-20	17:08	0	Read Baseline
14-Oct-20	17:10	124	A0J0343-05RE1@50
14-Oct-20	17:12	0	Read Baseline
14-Oct-20	17:14	125	A0J0343-06RE1@100
14-Oct-20	17:16	0	Read Baseline
14-Oct-20	17:18	0	Read Baseline
14-Oct-20	17:20	0	Read Baseline
14-Oct-20	17:22	106	0J14043-CCV2
14-Oct-20	17:24	0	0J14043-CCB2
14-Oct-20	17:26	0	Read Baseline
14-Oct-20	17:28	0	Read Baseline
14-Oct-20	17:30	126	A0J0343-07@10
14-Oct-20	17:32	127	A0J0344-01@10
14-Oct-20	17:34	128	A0J0344-02@10
14-Oct-20	17:36	0	Read Baseline
14-Oct-20	17:38	129	A0J0344-03@10
14-Oct-20	17:40	130	A0J0344-04@10
14-Oct-20	17:42	0	Read Baseline
14-Oct-20	17:44	131	A0J0344-05@10
14-Oct-20	17:46	132	A0J0344-06@10

Result path C:\FLOW_4\0J14043.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 14-Oct-20
Time acquired 19:17

Date	Time	Cup	Name
14-Oct-20	17:48	133	A0J0344-07@10
14-Oct-20	17:50	0	Read Baseline
14-Oct-20	17:52	106	0J14043-CCV3
14-Oct-20	17:54	0	0J14043-CCB3
14-Oct-20	17:56	0	Read Baseline
14-Oct-20	18:11	126	A0J0343-07RE1@200
14-Oct-20	18:13	127	A0J0344-01RE1@2
14-Oct-20	18:15	0	Read Baseline
14-Oct-20	18:17	128	A0J0344-02RE1@5
14-Oct-20	18:19	129	A0J0344-03RE1
14-Oct-20	18:21	0	Read Baseline
14-Oct-20	18:23	132	A0J0344-06RE1@20
14-Oct-20	18:25	0	Read Baseline
14-Oct-20	18:27	133	A0J0344-07RE1@100
14-Oct-20	18:29	0	Read Baseline
14-Oct-20	18:31	126	A0J0343-07RE1@500
14-Oct-20	18:33	106	0J14043-CCV4
14-Oct-20	18:35	0	0J14043-CCB4
14-Oct-20	18:49	0	Read Baseline
14-Oct-20	18:51	129	A0J0344-04RE2@2
14-Oct-20	18:53	0	Read Baseline
14-Oct-20	18:55	133	A0J0344-07RE2@200
14-Oct-20	18:57	0	Read Baseline
14-Oct-20	18:59	106	0J14043-CCV5
14-Oct-20	19:01	0	0J14043-CCB5
14-Oct-20	19:03	0	Read Baseline

TOTAL CN 50ppb:Calibration 1: Peak 6-89

File name: C:\FLOW_4\0J14043.RST

Date: 14-Oct-20

Operator: wvo

* Name	Conc	Area
* Cal 0.0 ppb	0.000000	-39473.035156
* Cal 1.0 ppb	1.000000	5382.879883
* Cal 2.0 ppb	2.000000	38190.750000
* Cal 5.0 ppb	5.000000	162619.468750
* Cal 10.0 ppb	10.000000	387264.437500
* Cal 25.0 ppb	25.000000	1143602.625000
* Cal 50.0 ppb	50.000000	2302050.750000

Calib Coef:

$x = cy + by + a$

a: (intercept) 9.2457e-01

b: 2.1776e-05

c: -2.1983e-13

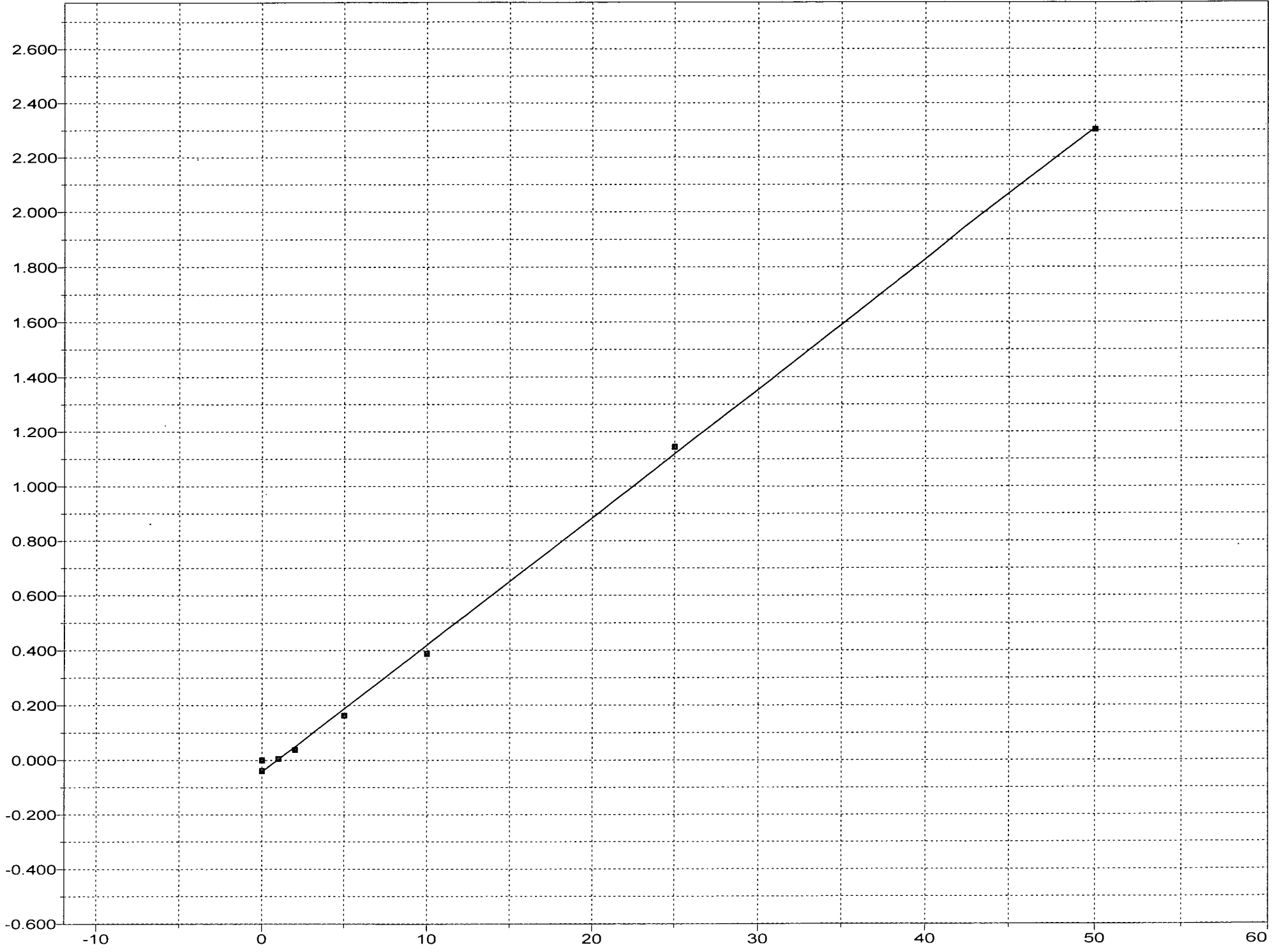
Corr Coef: 0.999546

Carryover: n/a

*OK
done
10/15/2020*

No Drift Peaks

TOTAL CN 50ppb:Calibration 1: Peak 6-89



Channel 1: TOTAL CN 50ppb



**Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection
Benchsheet & Analysis Sequence Data (Including Calibration)**

Sequence 0J13039 (QC Only)



ELEMENT SEQUENCE LOG

Apex Laboratories

OCT 19 2020

Sequence: 0J13039 ✓

Instrument: OIA FS3000-2

Date: 10/13/20 09:55

Calibration: A0J1302 ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0J13039-CAL1	Water	QC	QC				
2	0J13039-CAL2	Water	QC	QC				A20H332 ✓
3	0J13039-CAL3	Water	QC	QC				A20H328 ✓
4	0J13039-CAL4	Water	QC	QC				A20H327 ✓
5	0J13039-CAL5	Water	QC	QC				A20H325 ✓
6	0J13039-CAL6	Water	QC	QC				A20H323 ✓
7	0J13039-CAL7	Water	QC	QC				A20H321 ✓
8	0J13039-ICV1	Water	QC	QC				A20I422 ✓
9	0J13039-ICB1	Water	QC	QC				
10	0100414-BS2	Water	QC	QC		0100414		
11	0100414-BLK1	Water	QC	QC		0100414		
12	0100414-BS1	Water	QC	QC		0100414		
13	A0J0205-02RE3	Water	Cyanide, Total (ASTM D7511, OIA)		10/12/20	0100414		
14	A0J0266-01	Water	Cyanide, Total (ASTM D7511, OIA)		10/21/20	0100414		
15	0100414-MS1	Water	QC	QC		0100414		
16	0100414-MSD1	Water	QC	QC		0100414		
17	A0J0294-01	Water	Cyanide, Total (ASTM D7511, OIA)		10/22/20	0100414		
18	A0J0321-02	Water	Cyanide, Total (ASTM D7511, OIA)		10/19/20	0100414		
19	A0J0362-08	Water	Cyanide, Total (ASTM D7511, OIA)		10/16/20	0100414		
20	0J13039-CCV1	Water	QC	QC				A20H323 ✓
21	0J13039-CCB1	Water	QC	QC				
22	A0J0378-01	Water	Cyanide, Total (ASTM D7511, OIA)		10/16/20	0100414		
23	A0J0396-02	Water	Cyanide, Total (ASTM D7511, OIA)		10/23/20	0100414		
24	0100373-BLK1	Soil	QC	QC		0100373		
25	0100373-BS1	Soil	QC	QC		0100373		
26	A0J0281-01	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
27	A0J0281-02	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
28	A0J0281-03	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
29	0100373-MS1	Soil	QC	QC		0100373		
30	0100373-MSD1	Soil	QC	QC		0100373		
31	A0J0281-04	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
32	0J13039-CCV2	Water	QC	QC				A20H323 ✓
33	0J13039-CCB2	Water	QC	QC				
34	A0J0281-05	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
35	A0J0281-06	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/21/20	0100373		
36	A0J0343-01	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
37	0100373-MS2	Soil	QC	QC		0100373		
38	0100373-MSD2	Soil	QC	QC		0100373		
39	A0J0343-02	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
40	A0J0343-03	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
41	A0J0343-04	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
42	A0J0343-05	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
43	A0J0343-06	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	10/22/20	0100373		
44	0J13039-CCV3	Water	QC	QC				A20H323 ✓
45	0J13039-CCB3	Water	QC	QC				

Comments:

Data Entered By/Date: MVD 10/13/20

Data Reviewed By/Date: cmw 10/13/2020

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name WVO
 Operator ID WVO
 Platform FS III/IV/3100
 Software Rev Code 234
 Data system ID 57

Result path C:\FLOW_4\0J13039.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 13-Oct-20
 Time acquired 13:11

----- TOTAL CN 50ppb -----

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	1185425	26.255	OL			
Sync 25 ppb	1213274	26.874				
Sync 25 ppb	1229557	27.235				
(Statistics)				1221416	27.054	1.83%
Carryover	36234	0.820				
Read Baseline	-809	0.003	BL			
Cal 0.0 ppb	-3407	-0.054	LO			
Cal 1.0 ppb	53573	1.202 ✓				
Cal 2.0 ppb	95553	2.129 ✓				
Cal 5.0 ppb	221135	4.900 ✓				
Cal 10.0 ppb	434261	9.609 ✓				
Cal 25.0 ppb	1139681	25.239 ✓				
Cal 50.0 ppb	2248875	49.954 ✓				
Blank	39849	0.900				
Read Baseline	7767	0.192	BL			
0J13039-ICV1	1059295	23.454 ✓				
0J13039-ICB1	35863	0.812 ✓				
Blank	969	0.042				
Read Baseline	-130	0.018	BL			
0100414-BS2	37362	0.845 ✓				
0100414-BLK1	-51001	-1.103 ✓	LO			
0100414-BS1	1059318	23.455 ✓				
Read Baseline	-4660	-0.082	BL			
A0J0205-02RE3@20 ✓	56185	1.260 ✓				
Read Baseline	-2951	-0.044	BL			
A0J0266-01	-100892	-2.203 ✓	LO			
0100414-MS1	964027	21.341 ✓				

Handwritten: < 3%
 OK am 10/13/2020

Handwritten: R-04 am 10/19/2020

Result path C:\FLOW_4\0J13039^A.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 13-Oct-20
 Time acquired 13:11

MWO 10/13/20

----- TOTAL CN 50ppb -----

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
0100414-MSD1	995161	22.031✓				
Read Baseline	2064	0.067	BL			
A0J0294-01	-74191	-1.614✓	LO			
A0J0321-02	-123663	-2.705✓	LO			
A0J0362-08@5 ✓	1277132	28.292✓				
Read Baseline	4820	0.127	BL			
0J13039-CCV1	1107138	24.516✓				
0J13039-CCB1	37319	0.844✓				
Read Baseline	21336	0.492	BL			
A0J0378-01	952398	21.083✓				
A0J0396-02	19478	0.451✓				
Read Baseline	-1824	-0.019	BL			
Read Baseline	11062	0.265	BL			
0100373-BLK1	9594	0.233✓				
0100373-BS1	821028	18.170				
Read Baseline	-2688	-0.038	BL			
A0J0281-01@5 -	302324	6.693✓				
A0J0281-02@5 -	326723	7.232✓				
A0J0281-03@5 ✓	635408	14.059✓				
Read Baseline	-3585	-0.058	BL			
0100373-MS1@5 ✓	703643	15.570✓				
0100373-MSD1@5 ✓	1361690	30.172✓				
A0J0281-04@5 ✓	1733141	38.441✓				
Read Baseline	7867	0.195	BL			
0J13039-CCV2	1058488	23.437✓				
0J13039-CCB2	7931	0.196✓				
Read Baseline	-24087	-0.510	BL			
A0J0281-05	26186016	624.485✓	HI			
A0J0281-06	28486030	683.833✓	HI			
A0J0343-01	3723206	83.066✓	HI			
Read Baseline	-1735	-0.017	BL			
0100373-MS2	2121769	47.113✓	FL			
0100373-MSD2	2283268	50.723✓				
A0J0343-02	2271066	50.450✓				
Read Baseline	-9649	-0.192	BL			
A0J0343-03	2279302	50.634✓				
A0J0343-04	8447730	191.186✓	HI			

NR. over diluted 10/13/20

NR. Re-run to confirm MWO 10/13/20

NR. CCV failed MWO 10/13/20

Result path C:\FLOW_4\0J13039.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 13-Oct-20
 Time acquired 13:11

----- TOTAL CN 50ppb -----

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	-32818	-0.703	BL			
A0J0343-05	31927320	773.987-	HI	} NR. cer failed, WVO 10/13/20		
A0J0343-06	72560240	1961.460-	HI			
Read Baseline	395556	8.753	BL			
0J13039-CCV3	936026	20.720-	FL			
0J13039-CCB3	-140739	-3.081-	LO			
Read Baseline	20392	0.471	BL			
A0J0343-07	n/m	n/m	n/m			
A0J0344-01	n/m	n/m	n/m			
A0J0344-02	n/m	n/m	n/m			
Read Baseline	n/m	n/m	n/m			
A0J0344-03	n/m	n/m	n/m			
A0J0344-04	n/m	n/m	n/m			

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name WVO
Operator ID WVO
Platform FS III/IV/3100
Software Rev Code 234
Data system ID 57

Result path C:\FLOW_4\0J13039.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 13-Oct-20
Time acquired 13:11

Date	Time	Cup	Name
13-Oct-20	10:39	106	Sync 25 ppb
13-Oct-20	10:41	106	Sync 25 ppb
13-Oct-20	10:43	106	Sync 25 ppb
			(Statistics)
13-Oct-20	10:45	0	Carryover
13-Oct-20	10:47	0	Read Baseline
13-Oct-20	10:49	101	Cal 0.0 ppb
13-Oct-20	10:51	102	Cal 1.0 ppb
13-Oct-20	10:53	103	Cal 2.0 ppb
13-Oct-20	10:55	104	Cal 5.0 ppb
13-Oct-20	10:57	105	Cal 10.0 ppb
13-Oct-20	10:59	106	Cal 25.0 ppb
13-Oct-20	11:01	107	Cal 50.0 ppb
13-Oct-20	11:03	0	Blank
13-Oct-20	11:05	0	Read Baseline
13-Oct-20	11:07	108	0J13039-ICV1
13-Oct-20	11:09	0	0J13039-ICB1
13-Oct-20	11:11	0	Blank
13-Oct-20	11:13	0	Read Baseline
13-Oct-20	11:15	109	0100414-BS2
13-Oct-20	11:17	110	0100414-BLK1
13-Oct-20	11:19	111	0100414-BS1
13-Oct-20	11:21	0	Read Baseline
13-Oct-20	11:23	112	A0J0205-02RE3@20
13-Oct-20	11:25	0	Read Baseline
13-Oct-20	11:27	113	A0J0266-01
13-Oct-20	11:29	114	0100414-MS1

Result path C:\FLOW_4\0J13039.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 13-Oct-20
Time acquired 13:11

Date	Time	Cup	Name
13-Oct-20	11:31	115	0100414-MSD1
13-Oct-20	11:33	0	Read Baseline
13-Oct-20	11:35	116	A0J0294-01
13-Oct-20	11:37	117	A0J0321-02
13-Oct-20	11:39	118	A0J0362-08@5
13-Oct-20	11:41	0	Read Baseline
13-Oct-20	11:43	106	0J13039-CCV1
13-Oct-20	11:45	0	0J13039-CCB1
13-Oct-20	11:47	0	Read Baseline
13-Oct-20	11:49	119	A0J0378-01
13-Oct-20	11:51	120	A0J0396-02
13-Oct-20	11:53	0	Read Baseline
13-Oct-20	11:55	0	Read Baseline
13-Oct-20	11:57	121	0100373-BLK1
13-Oct-20	11:59	122	0100373-BS1
13-Oct-20	12:01	0	Read Baseline
13-Oct-20	12:03	123	A0J0281-01@5
13-Oct-20	12:05	124	A0J0281-02@5
13-Oct-20	12:07	125	A0J0281-03@5
13-Oct-20	12:09	0	Read Baseline
13-Oct-20	12:11	126	0100373-MS1@5
13-Oct-20	12:13	127	0100373-MSD1@5
13-Oct-20	12:15	128	A0J0281-04@5
13-Oct-20	12:17	0	Read Baseline
13-Oct-20	12:19	106	0J13039-CCV2
13-Oct-20	12:21	0	0J13039-CCB2
13-Oct-20	12:23	0	Read Baseline
13-Oct-20	12:25	129	A0J0281-05
13-Oct-20	12:27	130	A0J0281-06
13-Oct-20	12:29	131	A0J0343-01
13-Oct-20	12:31	0	Read Baseline
13-Oct-20	12:33	132	0100373-MS2
13-Oct-20	12:35	133	0100373-MSD2
13-Oct-20	12:37	134	A0J0343-02
13-Oct-20	12:39	0	Read Baseline
13-Oct-20	12:41	135	A0J0343-03
13-Oct-20	12:43	136	A0J0343-04

Result path C:\FLOW_4\0J13039.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 13-Oct-20
Time acquired 13:11

Date	Time	Cup	Name
13-Oct-20	12:45	0	Read Baseline
13-Oct-20	12:47	137	A0J0343-05
13-Oct-20	12:49	138	A0J0343-06
13-Oct-20	12:51	0	Read Baseline
13-Oct-20	12:53	106	0J13039-CCV3
13-Oct-20	12:55	0	0J13039-CCB3
13-Oct-20	12:57	0	Read Baseline
13-Oct-20	12:59	139	A0J0343-07
13-Oct-20	13:01	140	A0J0344-01
13-Oct-20	13:03	141	A0J0344-02
13-Oct-20	13:05	0	Read Baseline
13-Oct-20	13:07	142	A0J0344-03
13-Oct-20	13:09	143	A0J0344-04

TOTAL CN 50ppb:Calibration 1: Peak 6-76

File name: C:\FLOW_4\0J13039.RST

Date: 13-Oct-20

Operator: WVO

* Name	Conc	Area
* Cal 0.0 ppb	0.000000	-3407.074707
* Cal 1.0 ppb	1.000000	53573.015625
* Cal 2.0 ppb	2.000000	95553.320312
* Cal 5.0 ppb	5.000000	221135.328125
* Cal 10.0 ppb	10.000000	434261.000000
* Cal 25.0 ppb	25.000000	1139680.875000
* Cal 50.0 ppb	50.000000	2248875.000000

Calib Coef:

$x = cy + by + a$

a: (intercept) 2.1036e-02

b: 2.2049e-05

c: 6.8673e-14

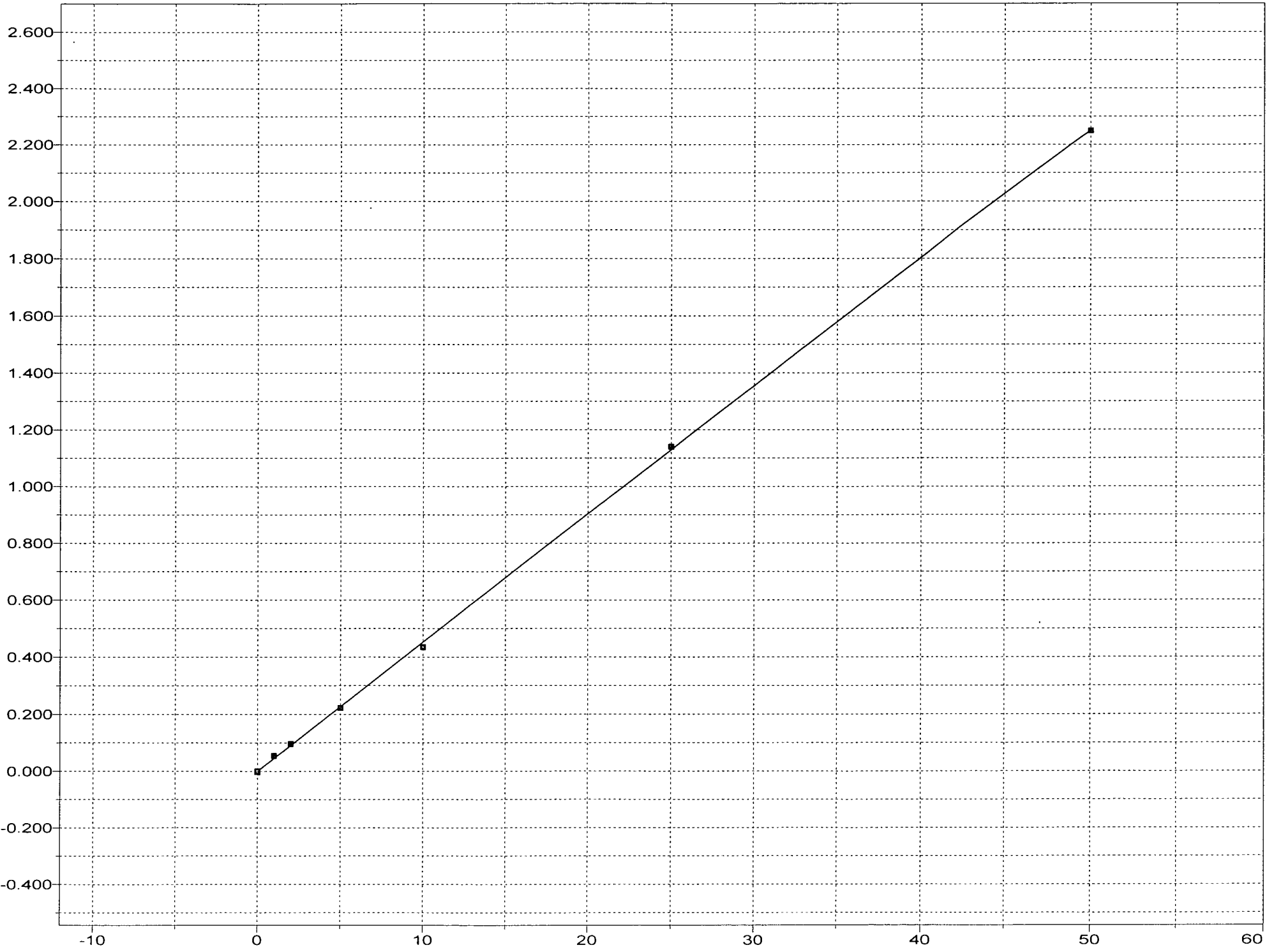
Corr Coef: 0.999935

*OK
10/13/2020*

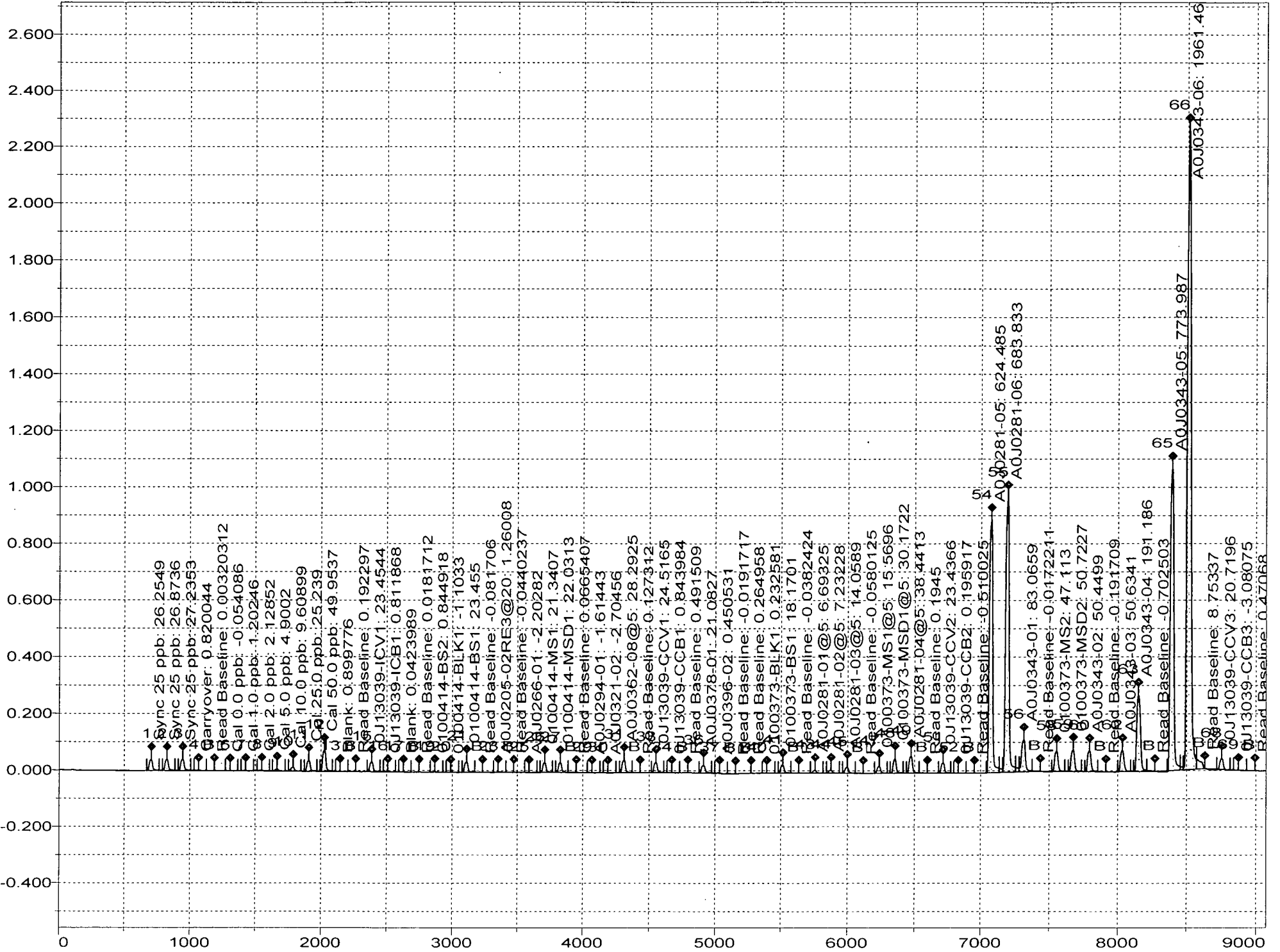
Carryover: n/a

No Drift Peaks

TOTAL CN 50ppb:Calibration 1: Peak 6-76



Channel 1: TOTAL CN 50ppb



Conventional Chemistry Parameters

**Total Organic Carbon- Soil (5310 B)
Benchsheet & Analysis Sequence Data**

Batch 0100381

Sequence 0J13056 (A0J0343-01,02,03,04,05,06,07)



Apex Laboratories
PREPARATION BENCH SHEET

OCT 28 2020

BATCH #: 0100381 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-8	>11
	0100381-BLK1	QC	10/12/20 11:41	0.2	0.2									
	0100381-BS1	QC	10/12/20 11:41	0.2	0.2	A20I375		1						
	A0J0343-01	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-026SG-201008	5310C is completed; added 10/26, 2d			
	A0J0343-01	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-026SG-201008				
	0100381-DUP1	QC	10/12/20 11:41	0.2	0.2		A0J0343-01							
	0100381-DUP2	QC	10/12/20 11:41	0.2	0.2		A0J0343-01							
	A0J0343-02	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-033SG-201008	5310C is completed; added 10/26, 2d			
	A0J0343-02	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-033SG-201008				
	A0J0343-03	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-038SG-201008	5310C is completed; added 10/26, 2d			
	A0J0343-03	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-038SG-201008				
	A0J0343-04	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-044SG-201008	5310C is completed; added 10/26, 2d			
	A0J0343-04	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-044SG-201008				
	A0J0343-05	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-049SG-201008	5310C is completed; added 10/26, 2d			
	A0J0343-05	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-049SG-201008				
	A0J0343-06	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-052SG-201008	5310C is completed; added 10/26, 2d			
	A0J0343-06	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-052SG-201008				
	A0J0343-07	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-053SG-201008	5310C is completed; added 10/26, 2d			
	A0J0343-07	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-053SG-201008				
	A0J0344-01	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-041SG-201009	5310C is completed; added 10/26, 2d			
	A0J0344-01	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-041SG-201009				

Prepared By: CMW Date: 10/27/2020

Reviewed By: DLK Date: 10/27/20

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100381 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
	0100381-DUP3	QC	10/12/20 11:41	0.2	0.2		A0J0344-01							
	A0J0344-02	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-042SG-201009	5310C is completed; added 10/26, 2d			
	A0J0344-02	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-042SG-201009				
	A0J0344-03	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-043SG-201009	5310C is completed; added 10/26, 2d			
	A0J0344-03	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-043SG-201009				
	A0J0344-04	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-047SG-201009	5310C is completed; added 10/26, 2d			
	A0J0344-04	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-047SG-201009				
	A0J0344-05	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-050SG-201009	5310C is completed; added 10/26, 2d			
	A0J0344-05	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-050SG-201009				
	A0J0344-06	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-051SG-201009	5310C is completed; added 10/26, 2d			
	A0J0344-06	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-051SG-201009				
	A0J0344-07	A Total Organic Carbon - Sediment (PSEP/BC)	10/12/20 11:41	0.2	0.2					USMPDI-054SG-201009	5310C is completed; added 10/26, 2d			
	A0J0344-07	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-054SG-201009				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L220	11/30/23	Wet Chem Balance 1	A201375	03/24/21	TOC 10k ppm secondary			
A19F020	06/03/29	TOC Soil Drying Oven @70oC						
A19J023	11/30/23	Wet Chem Balance 4						
A19J145	05/30/22	TOC Soil Blank Matrix						
A19K369	11/27/24	VWR002V						
A20F100	12/08/20	10% Phosphoric Acid						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100381 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	8-10	>11	

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____

Batch #:0100381

TOC soil drying

Date: 10/13/20

Analyst: wvo

Page: 1 of

Sample ID	Tare Weight (g)	Wet Weight (g)	Dried Weight (g)				Comments	Effervesces? (Y or N)
			1 st weighing	2nd Weighing	3rd Weighing	4th Weighing		
			Date/ Time: 10/13/20 08:30	10/13/20	10/13/20			
			Oven Temp. (°C) in/ out: 70.5/69.9	69.6/70.1	69.9/70.0	/		
A0J0343-01	1.3011	11.9915	5.8372	5.8490	5.8392			N
0100381-DUP1	1.2782	11.5873	5.6959	5.7072	5.6975	A0J0343-01		N
A0J0343-02	1.3001	11.9238	5.4400	5.4533	5.4407			N
A0J0343-03	1.2956	12.1757	5.4231	5.4310	5.4263			N
A0J0343-04	1.2919	12.0347	5.2748	5.2853	5.2805			N
A0J0343-05	1.3095	12.0464	5.3025	5.3144	5.3109			N
A0J0343-06	1.2902	11.7406	5.3317	5.3426	5.3357			N
A0J0343-07	1.2951	11.8931	6.1835	6.1918	6.1853			N
A0J0344-01	1.2852	11.7956	4.9731	4.9857	4.9766			N
0100381-DUP3	1.3076	11.5767	4.9167	4.9325	4.9355	A0J0344-01		N
A0J0344-02	1.3084	11.4576	5.0941	5.1016	5.0951			N
A0J0344-03	1.2927	11.6672	4.9171	4.9237	4.9190			N
A0J0344-04	1.2881	11.8901	5.0946	5.1030	5.0915			N
A0J0344-05	1.3096	12.1137	5.0159	5.0240	5.0110			N
A0J0344-06	1.2972	11.7179	5.1856	5.1964	5.1998			N
A0J0344-07	1.2958	12.2851	5.5696	5.5705	5.5728			N



Apex Laboratories
PREPARATION BENCH SHEET

OCT 19 2020

BATCH #: 0100381 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
	0100381-BLK1	QC	10/12/20 11:41	0.2	0.2									
	0100381-BS1	QC	10/12/20 11:41	0.2	0.2	A201375 ✓		1 ✓						
	A0J0343-01	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-026SG-201008				
	0100381-DUP1	QC	10/12/20 11:41	0.2	0.2		A0J0343-01							
	0100381-DUP2	QC	10/12/20 11:41	0.2	0.2		A0J0343-01							
	A0J0343-02	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-033SG-201008				
	A0J0343-03	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-038SG-201008				
	A0J0343-04	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-044SG-201008				
	A0J0343-05	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-049SG-201008				
	A0J0343-06	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-052SG-201008				
	A0J0343-07	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-053SG-201008				
	A0J0344-01	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-041SG-201009				
	0100381-DUP3	QC	10/12/20 11:41	0.2	0.2		A0J0344-01							
	A0J0344-02	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-042SG-201009				
	A0J0344-03	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-043SG-201009				
	A0J0344-04	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-047SG-201009				
	A0J0344-05	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-050SG-201009				
	A0J0344-06	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-051SG-201009				
	A0J0344-07	A Total Organic Carbon - Soil (5310 B)	10/12/20 11:41	0.2	0.2					USMPDI-054SG-201009				

Prepared By: WVU Date: 10/12/20

Reviewed By: CMP Date: 10/14/2020

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0100381 (Soil)

Prep Method: PSEP-5310B TOC

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

Standards/Reagents

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>
A13L220	11/30/23	Wet Chem Balance 1	A20I375	03/24/21	TOC 10k ppm secondary ✓			
A19F020	06/03/29	TOC Soil Drying Oven @70oC						
A19J023	11/30/23	Wet Chem Balance 4						
A19J145	05/30/22	TOC Soil Blank Matrix ✓						
A19K369	11/27/24	VWR002V						
A20F100	12/08/20	10% Phosphoric Acid						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Batch: 0100381			TOC PSEP Preweigh				Analyst: WVO	
Date/Time:	(n/a)	(n/a)	10/13/2020 8:30	10/13/2020	10/13/2020			Effervesces?
T(°C) IN / OUT:	(n/a)	(n/a)	70.5/69.9	69.6/70.1	69.9/70.0	/	/	
Sample ID	Tare (g)	Wet+tare wt (g)	Wt 1(g)	Wt 2(g)	Wt 3(g)	Wt 4(g)	Wt 5(g)	(yes/no)
A0J0343-01	1.3011	11.9915	5.8372	5.849	5.8392	X		NO
0100381-DUP1	1.2782	11.5873	5.6959	5.7072	5.6975	X		NO
A0J0343-02	1.3001	11.9238	5.44	5.4533	5.4407	X		NO
A0J0343-03	1.2956	12.1757	5.4231	5.431	5.4263	X		NO
A0J0343-04	1.2919	12.0347	5.2748	5.2853	5.2805	X		NO
A0J0343-05	1.3095	12.0464	5.3025	5.3144	5.3109	X		NO
A0J0343-06	1.2902	11.7406	5.3317	5.3426	5.3357	X		NO
A0J0343-07	1.2951	11.8931	6.1835	6.1918	6.1853	X		NO
A0J0344-01	1.2852	11.7956	4.9731	4.9857	4.9766	X		NO
0100381-DUP3	1.3076	11.5767	4.9167	4.9325	4.9355	X		NO
A0J0344-02	1.3084	11.4576	5.0941	5.1016	5.0951	X		NO
A0J0344-03	1.2927	11.6672	4.9171	4.9237	4.919	X		NO
A0J0344-04	1.2881	11.8901	5.0946	5.103	5.0915	X		NO
A0J0344-05	1.3096	12.1137	5.0159	5.024	5.011	X		NO
A0J0344-06	1.2972	11.7179	5.1856	5.1964	5.1998	X		NO
A0J0344-07	1.2958	12.2851	5.5696	5.5705	5.5728	X		NO
Pre-drying sample aliquot > 10g			Constant Weight = change < 0.005 g					



ELEMENT SEQUENCE LOG

OCT 28 2020

Apex Laboratories

Sequence: OJ13056
Date: 10/13/20 15:10

Instrument: TOC6
Calibration: A0H1904

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ13056-CCV1	Soil	QC	QC				A201376
2	OJ13056-CCB1	Soil	QC	QC				
3	0100381-BLK1	Soil	QC	QC		0100381		
4	0100381-BS1	Soil	QC	QC		0100381		
5	0100333-BLK1	Soil	QC	QC		0100333		
6	0100333-BS1	Soil	QC	QC		0100333		
7	A0J0343-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
8	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
9	0100381-DUP1	Soil	QC	QC		0100381		
10	0100381-DUP2	Soil	QC	QC		0100381		
11	A0J0343-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
12	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
13	A0J0343-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
14	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
15	A0J0343-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
16	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
17	OJ13056-CCV2	Soil	QC	QC				A201376
18	OJ13056-CCB2	Soil	QC	QC				
19	A0J0343-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
20	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
21	A0J0343-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
22	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
23	A0J0343-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
24	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
25	A0J0344-01	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	11/03/20	0100381		
26	"	Soil	Total Organic Carbon - Soil (5310 B)	"	10/23/20	0100381		
27	0100381-DUP3	Soil	QC	QC		0100381		
28	A0J0344-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
29	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
30	A0J0344-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
31	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
32	A0J0344-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
33	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
34	A0J0344-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
35	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
36	A0J0344-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
37	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
38	OJ13056-CCV3	Soil	QC	QC				A201376
39	OJ13056-CCB3	Soil	QC	QC				
40	A0J0344-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
41	"	Soil	Total Organic Carbon - Sediment (PSI	"	11/03/20	0100381		
42	A0J0298-20	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
43	0100333-DUP1	Soil	QC	QC		0100333		
44	0100333-DUP2	Soil	QC	QC		0100333		
45	A0J0298-21	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
46	A0J0298-22	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
47	A0J0298-23	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
48	A0J0298-24	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
49	A0J0298-25	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
50	A0J0298-26	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
51	OJ13056-CCV4	Soil	QC	QC				A201376

Sequence:

0J13056

Instrument:

TOC6

Date:

10/13/20 15:10

Calibration:

A0H1904

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
52	0J13056-CCB4	Soil	QC	QC				
53	A0J0298-27	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
54	A0J0298-28	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
55	A0J0298-29	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
56	A0J0298-30	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
57	0100333-DUP3	Soil	QC	QC		0100333		
58	A0J0298-31	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
59	A0J0298-32	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
60	A0J0298-33	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
61	A0J0298-34	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
62	A0J0298-35	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
63	0J13056-CCV5	Soil	QC	QC				A201376
64	0J13056-CCB5	Soil	QC	QC				
65	A0J0298-36	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
66	A0J0298-37	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
67	A0J0298-38	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
68	0J13056-CCV6	Soil	QC	QC				A201376
69	0J13056-CCB6	Soil	QC	QC				

Data Entered By/Date:

UMP 10/27/2020

Comments:

Data reentered using correct test code for work orders A0J0343 & A0J0344.

Data Reviewed By/Date:

UMP 10/27/20

UMP 10/27/2020

TOC conversion from dried @ 70 °C to "as received"

Sequence: 0J13056

Analyst: WVO

Sample ID	Tare (g)	initial + tare(g)	dried + tare(g)	correction factor	Skalar TOC (mg/kg)	Result for Element
A0J0343-01	1.3011	11.9915	5.8372	0.4243	24457.622	10377.7
0100381-DUP1	1.2782	11.5873	5.6959	0.4285	25352.065	10864.0
A0J0343-02	1.3001	11.9238	5.4400	0.3897	29915.29	11657.5
A0J0343-03	1.2956	12.1757	5.4231	0.3794	32650.103	12386.2
A0J0343-04	1.2919	12.0347	5.2805	0.3713	30620.789	11368.9
A0J0343-05	1.3095	12.0464	5.3109	0.3727	29954.104	11163.2
A0J0343-06	1.2902	11.7406	5.3317	0.3867	30994.483	11986.5
A0J0343-07	1.2951	11.8931	6.1835	0.4613	44404.606	20481.9
A0J0344-01	1.2852	11.7956	4.9731	0.3509	34913.968	12250.6
0100381-DUP3	1.3076	11.5767	4.9325	0.3530	34079.33	12029.7
A0J0344-02	1.3084	11.4576	5.0941	0.3730	30720.375	11458.8
A0J0344-03	1.2927	11.6672	4.9171	0.3494	32317.626	11290.4
A0J0344-04	1.2881	11.8901	5.0915	0.3587	27161.967	9744.2
A0J0344-05	1.3096	12.1137	5.0110	0.3426	31961.558	10949.8
A0J0344-06	1.2972	11.7179	5.1964	0.3742	31052.529	11619.2
A0J0344-07	1.2958	12.2851	5.5696	0.3889	30125.714	11716.1
0100381-DUP2	1.2782	11.5873	5.6959	0.4285	23992.394	10281.3



ELEMENT SEQUENCE LOG

Apex Laboratories

OCT 15 2020

Sequence: OJ13056 -

Instrument: TOC6

Date: 10/13/20 15:10

Calibration: AOH1904 -

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	OJ13056-CCV1	Soil	QC	QC				A201376 -
2	OJ13056-CCB1	Soil	QC	QC				
3	0100381-BLK1	Soil	QC	QC		0100381		
4	0100381-BS1	Soil	QC	QC		0100381		
5	0100333-BLK1	Soil	QC	QC		0100333		
6	0100333-BS1	Soil	QC	QC		0100333		
7	A0J0343-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
8	0100381-DUP1	Soil	QC	QC		0100381		
9	0100381-DUP2	Soil	QC	QC		0100381		
10	A0J0343-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
11	A0J0343-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
12	A0J0343-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
13	OJ13056-CCV2	Soil	QC	QC				A201376 -
14	OJ13056-CCB2	Soil	QC	QC				
15	A0J0343-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
16	A0J0343-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
17	A0J0343-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/22/20	0100381		
18	A0J0344-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
19	0100381-DUP3	Soil	QC	QC		0100381		
20	A0J0344-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
21	A0J0344-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
22	A0J0344-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
23	A0J0344-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
24	A0J0344-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
25	OJ13056-CCV3	Soil	QC	QC				A201376 -
26	OJ13056-CCB3	Soil	QC	QC				
27	A0J0344-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/23/20	0100381		
28	A0J0298-20	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
29	0100333-DUP1	Soil	QC	QC		0100333		
30	0100333-DUP2	Soil	QC	QC		0100333		
31	A0J0298-21	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
32	A0J0298-22	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
33	A0J0298-23	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
34	A0J0298-24	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
35	A0J0298-25	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
36	A0J0298-26	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
37	OJ13056-CCV4	Soil	QC	QC				A201376 -
38	OJ13056-CCB4	Soil	QC	QC				
39	A0J0298-27	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
40	A0J0298-28	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
41	A0J0298-29	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
42	A0J0298-30	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
43	0100333-DUP3	Soil	QC	QC		0100333		
44	A0J0298-31	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
45	A0J0298-32	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
46	A0J0298-33	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
47	A0J0298-34	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
48	A0J0298-35	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
49	OJ13056-CCV5	Soil	QC	QC				A201376 -
50	OJ13056-CCB5	Soil	QC	QC				
51	A0J0298-36	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		

Sequence:

0J13056

Instrument:

TOC6

Date:

10/13/20 15:10

Calibration:

A0H1904

#	<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	A0J0298-37	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
53	A0J0298-38	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	10/14/20	0100333		
54	0J13056-CCV6	Soil	QC	QC				A201376 ✓
55	0J13056-CCB6	Soil	QC	QC				

Data Entered By/Date: MWD 10/14/20

Comments:

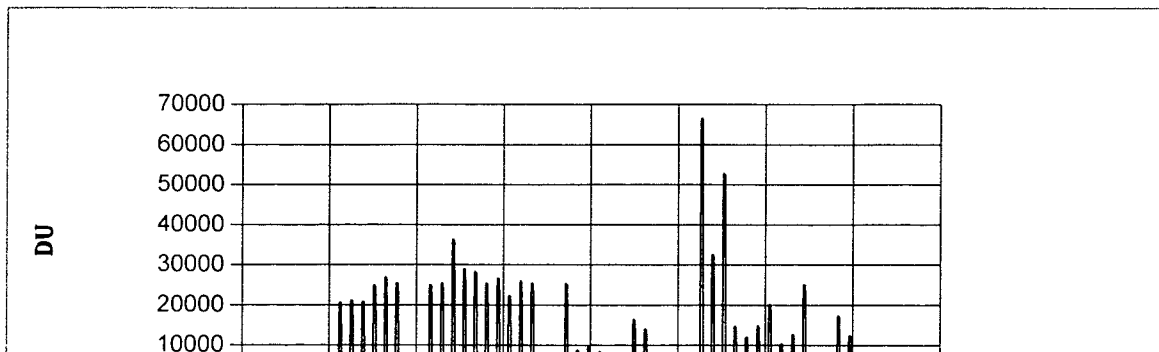
Data Reviewed By/Date: CMT 10/14/2020

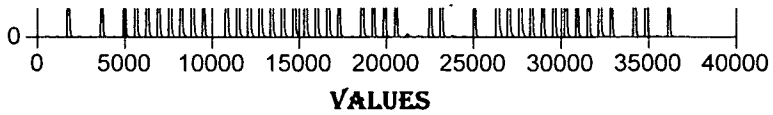
Method: TCDirect Run Start Time: 10/13/2020 4:49:13
Method Type: TC_DIRECT Run End Time: 10/14/2020 3:13:30
Table: 0J13056 Device ID: TOC6
Analyst: Administrator Run Name: SN10020201013A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A100	PRIME	200	75.519	0.015	10105.96	10/13/2020 4:50:38 PM
A2	BLANK	200	39.001	0.008	5219.19	10/13/2020 5:02:27 PM
A1	0J13056-CCV1	200	10622.88 ✓	2.125	1421563.695	10/13/2020 5:13:20 PM
A2	0J13056-CCB1	200	48.391 ✓	0.01	6475.765	10/13/2020 5:24:06 PM
A3	0100381-BLK1	212.8	49.486 ✓	0.011	7046.06	10/13/2020 5:34:53 PM
A4	0100381-BS1	200	9477.922 ✓	1.896	1268344.345	10/13/2020 5:45:41 PM
A5	0100333-BLK1	213.1	79.661 ✓	0.017	11358.53	10/13/2020 5:56:27 PM
A6	0100333-BS1	200	9273.661 ✓	1.855	1241009.99	10/13/2020 6:07:13 PM
A7	A0J0343-01	206.6	24457.622 ✓	5.053	3380948.935	10/13/2020 6:18:00 PM
A8	0100381-DUP1	203.4	25352.065 ✓	5.157	3450311.92	10/13/2020 6:28:47 PM
A9	0100381-DUP2	212.7	23992.394 ✓	5.103	3414563.11	10/13/2020 6:39:34 PM
A10	A0J0343-02	205	29915.29 ✓	6.133	4103374.5	10/13/2020 6:50:21 PM
A11	A0J0343-03	202.6	32650.103 ✓	6.615	4426067.91	10/13/2020 7:01:08 PM
A12	A0J0343-04	205.5	30620.789 ✓	6.293	4210389.54	10/13/2020 7:11:55 PM
A13	0J13056-CCV2	200	9626.59 ✓	1.925	1288239.24	10/13/2020 7:22:42 PM
A2	0J13056-CCB2	200	83.724 ✓	0.017	11203.96	10/13/2020 7:33:29 PM
A14	A0J0343-05	206.4	29954.104 ✓	6.183	4136757.825	10/13/2020 7:44:23 PM
A15	A0J0343-06	203.8	30994.483 ✓	6.317	4226517.29	10/13/2020 7:55:17 PM
A16	A0J0343-07	202	44404.606 ✓	8.97	6001688.625	10/13/2020 8:06:04 PM
A17	A0J0344-01	204.8	34913.968 ✓	7.15	4784353.145	10/13/2020 8:16:51 PM
A18	0100381-DUP3	205.4	34079.33 ✓	7	4683662.06	10/13/2020 8:27:38 PM
A19	A0J0344-02	204.3	30720.375 ✓	6.276	4199416.545	10/13/2020 8:38:25 PM
A20	A0J0344-03	203.5	32317.626 ✓	6.577	4400458.57	10/13/2020 8:49:12 PM
A21	A0J0344-04	203	27161.967 ✓	5.514	3689362.43	10/13/2020 8:59:59 PM
A22	A0J0344-05	200.6	31961.558 ✓	6.411	4289957.02	10/13/2020 9:10:46 PM
A23	A0J0344-06	203	31052.529 ✓	6.304	4217810.76	10/13/2020 9:21:33 PM
A24	0J13056-CCV3	200	9691.625 ✓	1.938	1296942.35	10/13/2020 9:32:19 PM
A2	0J13056-CCB3	200	88.949 ✓	0.018	11903.245	10/13/2020 9:43:06 PM
A25	A0J0344-07	207.5	30125.714 ✓	6.251	4182630.73	10/13/2020 9:54:01 PM
A26	A0J0298-20	201.3	10803.059 ✓	2.175	1455072.31	10/13/2020 10:04:54 PM
A27	0100333-DUP1	205.5	11359.453 ✓	2.334	1561936.27	10/13/2020 10:15:42 PM
A28	0100333-DUP2	202.4	10367.705 ✓	2.098	1404065.015	10/13/2020 10:26:29 PM
A29	A0J0298-21	204.8	845.781 ✓	0.173	115899.64	10/13/2020 10:37:15 PM

A30	A0J0298-22	200.4	283.687 -	0.057	38039.21	10/13/2020 10:48:02 PM
A31	A0J0298-23	203	19834.764 -	4.026	2694121.275	10/13/2020 10:58:48 PM
A32	A0J0298-24	205	16882.989 -	3.461	2315779.8	10/13/2020 11:09:35 PM
A33	A0J0298-25	206.2	349.026 -	0.072	48154.91	10/13/2020 11:20:21 PM
A34	A0J0298-26	207.2	230.326 ✓	0.048	31932.03	10/13/2020 11:31:08 PM
A35	0J13056-CCV4	200	9465.993 ✓	1.893	1266748.1	10/13/2020 11:41:54 PM
A2	0J13056-CCB4	200	54.041 -	0.011	7231.87	10/13/2020 11:52:40 PM
A36	A0J0298-27	200	81696.162 -	16.339	10932656.94	10/14/2020 12:03:34 AM
A37	A0J0298-28	199.6	40218.566 -	8.028	5371322.015	10/14/2020 12:14:27 AM
A38	A0J0298-29	199.6	65064.413 -	12.987	8689566.675	10/14/2020 12:25:14 AM
A39	A0J0298-30	206.1	17745.358 -	3.657	2447128.76	10/14/2020 12:36:00 AM
A40	0100333-DUP3	205.8	14339.362 -	2.951	1974555.15	10/14/2020 12:46:47 AM
A41	A0J0298-31	204.2	17958.933 ✓	3.667	2453750.09	10/14/2020 12:57:33 AM
A42	A0J0298-32	197.2	25246.205 -	4.979	3331172.2	10/14/2020 1:08:33 AM
A43	A0J0298-33	203.9	12532.34 -	2.555	1709792.69	10/14/2020 1:19:26 AM
A44	A0J0298-34	200.3	15770.163 -	3.159	2113543.585	10/14/2020 1:30:20 AM
A45	A0J0298-35	203.8	30432.703 ✓	6.202	4149910.99	10/14/2020 1:41:13 AM
A46	0J13056-CCV5	200	9601.549 ✓	1.92	1284888.295	10/14/2020 1:52:07 AM
A2	0J13056-CCB5	200	80.137 -	0.016	10723.995	10/14/2020 2:03:01 AM
A47	A0J0298-36	204.4	21007.775 -	4.294	2873128.31	10/14/2020 2:13:54 AM
A48	A0J0298-37	200.8	15285.09 ✓	3.069	2053646.92	10/14/2020 2:24:48 AM
A49	A0J0298-38	200	362.405 ✓	0.072	48497.31	10/14/2020 2:35:42 AM
A50	0J13056-CCV6	200	9381.75 ✓	1.876	1255474.57	10/14/2020 2:46:35 AM
A2	0J13056-CCB6	200	56.275 ✓	0.011	7530.71	10/14/2020 2:57:28 AM

RR-2
 10/14/2020
 RR-2





SLC 10/19/2020

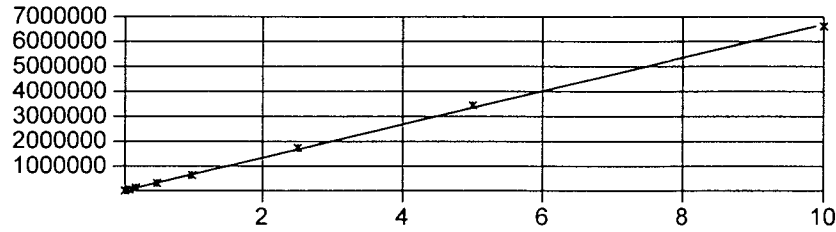
SNACCESS

RUN NAME : SN10020200818AS 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:

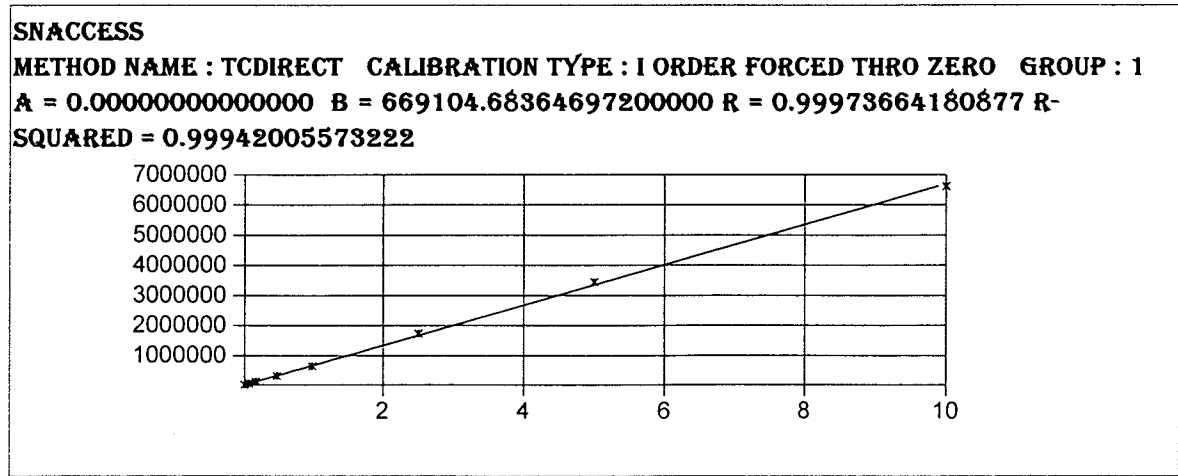
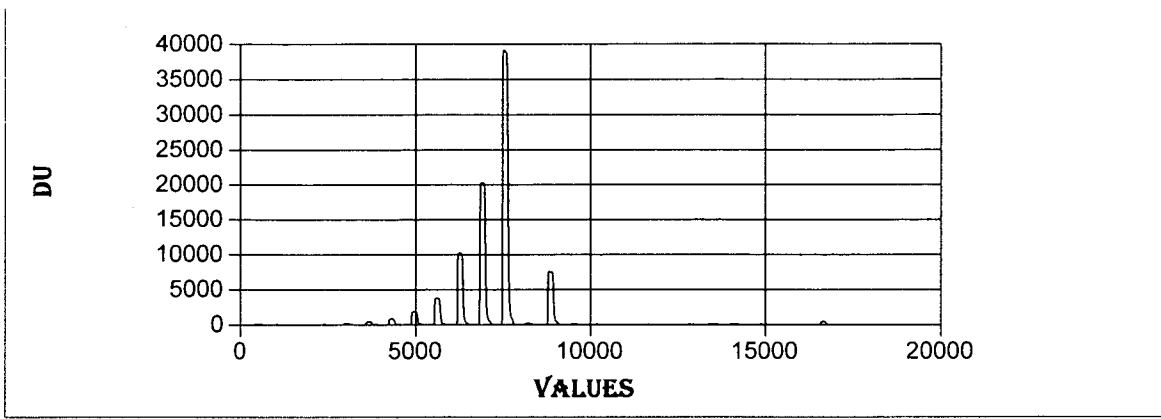
Data Reviewed By/Date: *AWZ 8/19/2020*

Method: TCDirect
 Method Type: TC_DIRECT
 Table: OH18059
 Analyst: Administrator

Run Start Time: 8/18/2020 4:59:13 P
 Run End Time: 8/18/2020 9:46:17 P
 Device ID: TOC6
 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	33699.97	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
 -230-
 -540-
 -1075-
 2445 = 0.489
 4875 = 0.975
 13,005 = 2.601
 5,164 = 0.002
 25,820
 44475 = 9.895
 WWS 8/19/20



Date : 8/19/2020

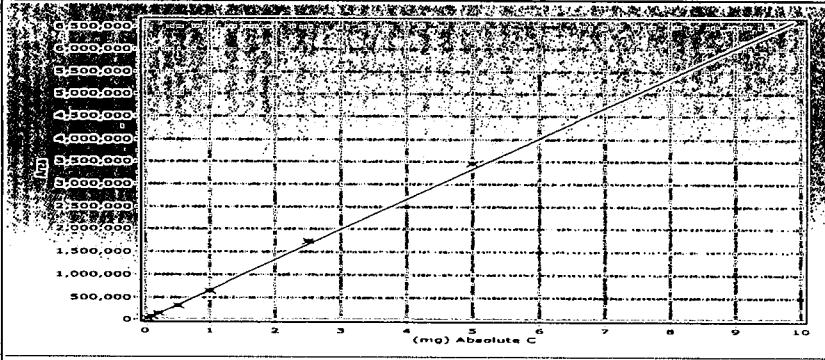
Run start date time : 8/18/2020 4:59:13 PM

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 0100376 (A0J0343-01,02,03,04,05,06,07)



Apex Laboratories
PREPARATION BENCH SHEET

OCT 15 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0100376 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments
A0J0298-19	Dry Weight		10/12/20 10:19		1.2929 -	27.7284 -	24.1968 -	86.6 -	BatchQC
A0J0298-19	Solids, Total (SM 254)		10/12/20 10:19		1.2929 ✓	27.7284 ✓	24.1968 ✓	86.6 ✓	Use Results for Dry Weight (Not for Waters)
0100376-DUP2	QC	A0J0298-19	10/12/20 10:19		1.2971 ✓	27.3662 ✓	23.9751 ✓	87.0 -	
A0J0343-01	Dry Weight		10/12/20 10:19		1.3036 -	28.9454 -	13.1352 -	42.8 -	use TS data, make non-reportable
A0J0343-01	Solids, Total (SM 254)		10/12/20 10:19		1.3036 ✓	28.9454 ✓	13.1352 ✓	42.8 ✓	enter TS data in dry wt
A0J0343-02	Dry Weight		10/12/20 10:19		1.2976 -	27.9948 -	11.9763 -	40.0 -	use TS data, make non-reportable
A0J0343-02	Solids, Total (SM 254)		10/12/20 10:19		1.2976 ✓	27.9948 ✓	11.9763 ✓	40.0 ✓	enter TS data in dry wt
A0J0343-03	Dry Weight		10/12/20 10:19		1.2821 -	27.7154 -	11.1291 -	37.3 -	use TS data, make non-reportable
A0J0343-03	Solids, Total (SM 254)		10/12/20 10:19		1.2821 ✓	27.7154 ✓	11.1291 ✓	37.3 ✓	enter TS data in dry wt
A0J0343-04	Dry Weight		10/12/20 10:19		1.3056 -	27.3291 -	10.9138 -	36.9 -	use TS data, make non-reportable
A0J0343-04	Solids, Total (SM 254)		10/12/20 10:19		1.3056 ✓	27.3291 ✓	10.9138 ✓	36.9 ✓	enter TS data in dry wt
A0J0343-05	Dry Weight		10/12/20 10:19		1.2849 -	26.5817 -	10.4694 -	36.3 ✓	use TS data, make non-reportable
A0J0343-05	Solids, Total (SM 254)		10/12/20 10:19		1.2849 ✓	26.5817 ✓	10.4694 ✓	36.3 -	enter TS data in dry wt
A0J0343-06	Dry Weight		10/12/20 10:19		1.2919 -	27.5796 -	11.1798 -	37.6 -	use TS data, make non-reportable
A0J0343-06	Solids, Total (SM 254)		10/12/20 10:19		1.2919 ✓	27.5796 ✓	11.1798 ✓	37.6 -	enter TS data in dry wt
A0J0343-07	Dry Weight		10/12/20 10:19		1.2878 -	27.7499 -	13.8151 -	47.3 -	use TS data, make non-reportable
A0J0343-07	Solids, Total (SM 254)		10/12/20 10:19		1.2878 ✓	27.7499 ✓	13.8151 ✓	47.3 ✓	enter TS data in dry wt
A0J0344-01	Dry Weight		10/12/20 10:19		1.3001 -	27.1164 -	10.5358 -	35.8 ✓	use TS data, make non-reportable
A0J0344-01	Solids, Total (SM 254)		10/12/20 10:19		1.3001 ✓	27.1164 ✓	10.5358 ✓	35.8 -	enter TS data in dry wt
0100376-DUP1	QC	A0J0344-01	10/12/20 10:19		1.2929 -	27.8308 -	10.783 -	35.8 -	
A0J0344-02	Dry Weight		10/12/20 10:19		1.3028 -	28.0994 -	11.4973 ✓	38.0 -	use TS data, make non-reportable

Prepared By: amb Date: 10/13/20

Reviewed By: clm Date: 10/14/2020



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0100376 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments
A0J0344-02	Solids, Total (SM 254)		10/12/20 10:19		1.3028 ✓	28.0994 -	11.4973 ✓	38.0 ✓	enter TS data in dry wt
A0J0344-03	Dry Weight		10/12/20 10:19		1.2939 ✓	26.8535 -	10.4355 -	35.8 ✓	use TS data, make non-reportable
A0J0344-03	Solids, Total (SM 254)		10/12/20 10:19		1.2939 ✓	26.8535 ✓	10.4355 ✓	35.8 ✓	enter TS data in dry wt
A0J0344-04	Dry Weight		10/12/20 10:19		1.2889 -	29.7232 -	12.0311 ✓	37.8 ✓	use TS data, make non-reportable
A0J0344-04	Solids, Total (SM 254)		10/12/20 10:19		1.2889 ✓	29.7232 ✓	12.0311 ✓	37.8 ✓	enter TS data in dry wt
A0J0344-05	Dry Weight		10/12/20 10:19		1.3109 -	27.6679 ✓	10.6017 -	35.2 -	use TS data, make non-reportable
A0J0344-05	Solids, Total (SM 254)		10/12/20 10:19		1.3109 ✓	27.6679 ✓	10.6017 ✓	35.2 ✓	enter TS data in dry wt
A0J0344-06	Dry Weight		10/12/20 10:19		1.3054 ✓	27.8536 -	10.9358 -	36.3 -	use TS data, make non-reportable
A0J0344-06	Solids, Total (SM 254)		10/12/20 10:19		1.3054 ✓	27.8536 ✓	10.9358 ✓	36.3 ✓	enter TS data in dry wt
A0J0344-07	Dry Weight		10/12/20 10:19		1.3055 -	27.9835 ✓	11.6437 -	38.8 -	use TS data, make non-reportable
A0J0344-07	Solids, Total (SM 254)		10/12/20 10:19		1.3055 ✓	27.9835 -	11.6437 ✓	38.8 ✓	enter TS data in dry wt

Prepared By: AmB Date: 10/13/20

Reviewed By: _____ Date: _____

Total Solids Worksheet

Analyst: HAS

Date: 10/12/20

Batch: 0100376

Sample ID	Vessel ID	Tare Weight (g)	Wet+ Tare Weight (g)	Dry Weight (g)		Comments
				1st weighing	2nd weighing	
A0J0298-19	298-19	1.2929	27.7284	24.2183	24.1968	
0100376-DUP2	298-19 DUP	1.2971	27.3662	23.9904	23.9751	A0J0298-19
A0J0343-01	343-01	1.3036	28.9454	13.1365	13.1352	
A0J0343-02	343-02	1.2976	27.9948	11.9842	11.9763	
A0J0343-03	343-03	1.2821	27.7154	11.1335	11.1291	
A0J0343-04	343-04	1.3056	27.3291	10.9212	10.9138	
A0J0343-05	343-05	1.2849	26.5817	10.4705	10.4694	
A0J0343-06	343-06	1.2919	27.5796	11.1959	11.1798	
A0J0343-07	343-07	1.2878	27.7499	13.8281	13.8151	
A0J0344-01	344-01	1.3001	27.1164	10.5416	10.5358	
A0100376-DUP1	344-01 DUP	1.2929	27.8308	10.7907	10.783	A0J0344-01
A0J0344-02	344-02	1.3028	28.0994	11.5015	11.4973	
A0J0344-03	344-03	1.2939	26.8535	10.4418	10.4355	
A0J0344-04	344-04	1.2889	29.7232	12.0329	12.0311	
A0J0344-05	344-05	1.3109	27.6679	10.6133	10.6017	
A0J0344-06	344-06	1.3054	27.8536	10.9433	10.9358	
A0J0344-07	344-07	1.3055	27.9835	11.6494	11.6437	

Oven Temp at Sample Introduction	103.6	-	103.9	-	*Constant weight = +/- 50 mg.
Oven Temp at sample removal	103.9	✓	103.4	✓	
Time/date	10/13 1118	✓	10/13 1418	✓	

Balance Checksheets

Extractions October 2020
Wet Chem October 2020

Balance Challenge Log

Extractions
AND FX-2000
ID# 5210177

Weight ID	weight (g)	acceptance range (g)	
	=/<1g	± 0.02g	
	>1g	± 2%	
10077	0.5g	0.48	0.52
1000143395	300g	294.00	306.00

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: October
Year: 2020

Alternate Weight/ID used: _____ Date Range: _____

Day/Time	Initials
1 0648	SCC
2 0650	SCC
3	
4	
5 0655	SCC
6 0650	SCC
7 0647	SCC
8 0647	SCC
9 0653	SCC
10 0848	SCC
11	
12 0650	SCC
13 0650	SCC
14 0750	AJJ
15 0735	AJJ
16 7:11	JL
17 9:20	Cuntt
18	
19 0651	SCC
20 0649	SCC
21 0652	SCC
22 0656	SCC
23 0649	SCC
24	
25	
26 0652	SCC
27 0655	SCC
28 0644	SCC
29 0647	SCC
30 0643	SCC
31 11/02/20	SCC

Weight One	Observed
	0.50
	0.50
	0.50
	0.50
	0.50
	0.50
	0.50
	0.50
	0.50
	0.50
	0.50
	0.50
	0.50
0.50g	0.50
	0.51
	0.50
	0.50
	0.50
	0.51
	0.50
	0.50
	0.50
	0.51
	0.50
	0.50
	0.50

Weight Two	Observed
	300.02
	300.02
	300.01
	300.04
	300.04
	300.04
	300.04
	300.04
	300.04
	300.04
	300.02
	300.02
	300.00
	300.04
300.00g	300.01
	300.04
	300.04
	300.04
	300.02
	300.02
	300.03
	300.05
	300.02
	300.03
	300.03
	300.01
	300.02

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