



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 #:
A1E0231**

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: A1E0231

Date: 06/26/2021

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



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Tuesday, June 15, 2021

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

RE: A1E0231 - 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 A1E0231, which was received by the laboratory on 5/5/2021 at 10:15:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	1.3 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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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: A1E0231 - 06 15 21 1547
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
USMPDI-028SG-210504	A1E0231-01	SE	05/04/21 00:00	05/05/21 10:15
USMPDI-030SG-210504	A1E0231-02	SE	05/04/21 00:00	05/05/21 10:15
USMPDI-031SG-210504	A1E0231-03	SE	05/04/21 00:00	05/05/21 10:15
USMPDI-035SG-210504	A1E0231-04	SE	05/04/21 00:00	05/05/21 10:15

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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-028SG-210504 (A1E0231-01RE2)				Matrix: SE		Batch: 1060443		C-05
2,4'-DDD	ND	2.15	4.30	ug/kg dry	1	06/11/21 13:07	EPA 8081B	
2,4'-DDE	ND	2.15	4.30	ug/kg dry	1	06/11/21 13:07	EPA 8081B	
2,4'-DDT	ND	2.15	4.30	ug/kg dry	1	06/11/21 13:07	EPA 8081B	
4,4'-DDD	ND	2.15	4.30	ug/kg dry	1	06/11/21 13:07	EPA 8081B	
4,4'-DDE	ND	2.15	4.30	ug/kg dry	1	06/11/21 13:07	EPA 8081B	
4,4'-DDT	ND	2.15	4.30	ug/kg dry	1	06/11/21 13:07	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 47 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>06/11/21 13:07</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>79 %</i>		<i>55-130 %</i>		<i>1</i>	<i>06/11/21 13:07</i>	<i>EPA 8081B</i>
USMPDI-030SG-210504 (A1E0231-02RE1)				Matrix: SE		Batch: 1060443		C-05
2,4'-DDD	ND	1.70	3.41	ug/kg dry	1	06/10/21 14:08	EPA 8081B	
2,4'-DDE	ND	3.41	3.41	ug/kg dry	1	06/10/21 14:08	EPA 8081B	
2,4'-DDT	ND	1.70	3.41	ug/kg dry	1	06/10/21 14:08	EPA 8081B	
4,4'-DDD	ND	1.70	3.41	ug/kg dry	1	06/10/21 14:08	EPA 8081B	
4,4'-DDE	ND	1.70	3.41	ug/kg dry	1	06/10/21 14:08	EPA 8081B	
4,4'-DDT	7.99	1.70	3.41	ug/kg dry	1	06/10/21 14:08	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 35 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>06/10/21 14:08</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>64 %</i>		<i>55-130 %</i>		<i>1</i>	<i>06/10/21 14:08</i>	<i>EPA 8081B</i>
USMPDI-031SG-210504 (A1E0231-03RE1)				Matrix: SE		Batch: 1060443		C-05
2,4'-DDD	ND	2.20	4.41	ug/kg dry	1	06/11/21 13:24	EPA 8081B	
2,4'-DDE	ND	2.20	4.41	ug/kg dry	1	06/11/21 13:24	EPA 8081B	
2,4'-DDT	ND	2.20	4.41	ug/kg dry	1	06/11/21 13:24	EPA 8081B	
4,4'-DDD	4.07	2.20	4.41	ug/kg dry	1	06/11/21 13:24	EPA 8081B	J
4,4'-DDE	ND	2.20	4.41	ug/kg dry	1	06/11/21 13:24	EPA 8081B	
4,4'-DDT	ND	2.20	4.41	ug/kg dry	1	06/11/21 13:24	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 27 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>06/11/21 13:24</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>83 %</i>		<i>55-130 %</i>		<i>1</i>	<i>06/11/21 13:24</i>	<i>EPA 8081B</i>
USMPDI-035SG-210504 (A1E0231-04RE1)				Matrix: SE		Batch: 1060443		C-05
2,4'-DDD	ND	2.04	4.08	ug/kg dry	1	06/11/21 13:41	EPA 8081B	
2,4'-DDE	ND	4.08	4.08	ug/kg dry	1	06/11/21 13:41	EPA 8081B	
2,4'-DDT	ND	2.04	4.08	ug/kg dry	1	06/11/21 13:41	EPA 8081B	
4,4'-DDD	ND	2.04	4.08	ug/kg dry	1	06/11/21 13:41	EPA 8081B	

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ANALYTICAL REPORT

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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: A1E0231 - 06 15 21 1547
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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-035SG-210504 (A1E0231-04RE1)				Matrix: SE		Batch: 1060443		C-05	
4,4'-DDE	ND	2.04	4.08	ug/kg dry	1	06/11/21 13:41	EPA 8081B		
4,4'-DDT	ND	2.04	4.08	ug/kg dry	1	06/11/21 13:41	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 25 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>06/11/21 13:41</i>	<i>EPA 8081B</i>	<i>S-03</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>63 %</i>		<i>55-130 %</i>		<i>1</i>	<i>06/11/21 13:41</i>	<i>EPA 8081B</i>	

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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-028SG-210504 (A1E0231-01RE1)				Matrix: SE		Batch: 1050296		
Total Cyanide	0.789	0.110	0.221	mg/kg dry	1	05/12/21 14:41	D7511-12	
USMPDI-030SG-210504 (A1E0231-02)				Matrix: SE		Batch: 1050296		
Total Cyanide	0.762	0.432	0.864	mg/kg dry	5	05/12/21 13:13	D7511-12	J
USMPDI-031SG-210504 (A1E0231-03)				Matrix: SE		Batch: 1050296		
Total Cyanide	0.948	0.562	1.12	mg/kg dry	5	05/12/21 13:15	D7511-12	J
USMPDI-035SG-210504 (A1E0231-04RE1)				Matrix: SE		Batch: 1050403		
Total Cyanide	0.688	0.0999	0.200	mg/kg dry	1	05/12/21 15:06	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-028SG-210504 (A1E0231-01RE1)				Matrix: SE				
Batch: 1050456								
Total Organic Carbon	2.5	0.044	0.044	% dry	1	05/17/21 11:47	PSEP_SM 5310B MOD	
USMPDI-030SG-210504 (A1E0231-02RE1)				Matrix: SE				
Batch: 1050456								
Total Organic Carbon	1.6	0.035	0.035	% dry	1	05/17/21 11:58	PSEP_SM 5310B MOD	
USMPDI-031SG-210504 (A1E0231-03RE1)				Matrix: SE				
Batch: 1050456								
Total Organic Carbon	2.4	0.045	0.045	% dry	1	05/17/21 12:09	PSEP_SM 5310B MOD	
USMPDI-035SG-210504 (A1E0231-04)				Matrix: SE				
Batch: 1050456								
Total Organic Carbon	2.3	0.041	0.041	% dry	1	05/17/21 12:19	PSEP_SM 5310B MOD	

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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: A1E0231 - 06 15 21 1547
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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-028SG-210504 (A1E0231-01)				Matrix: SE				
Batch: 1050259								
Total Solids	45.0	1.00	1.00	%	1	05/11/21 12:20	SM 2540 G	
USMPDI-030SG-210504 (A1E0231-02)				Matrix: SE				
Batch: 1050259								
Total Solids	57.7	1.00	1.00	%	1	05/11/21 12:20	SM 2540 G	
USMPDI-031SG-210504 (A1E0231-03)				Matrix: SE				
Batch: 1050259								
Total Solids	44.3	1.00	1.00	%	1	05/11/21 12:20	SM 2540 G	
USMPDI-035SG-210504 (A1E0231-04)				Matrix: SE				
Batch: 1050259								
Total Solids	48.7	1.00	1.00	%	1	05/11/21 12:20	SM 2540 G	

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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: A1E0231 - 06 15 21 1547
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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 1060443 - EPA 3546/3640A (GPC)						Sediment							
Blank (1060443-BLK1)			Prepared: 05/17/21 07:23 Analyzed: 06/10/21 11:33						C-05				
EPA 8081B													
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 36 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>		S-06					
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>"</i>							
LCS (1060443-BS1)						Prepared: 05/17/21 07:23 Analyzed: 06/10/21 11:51						C-05	
EPA 8081B													
2,4'-DDD	38.6	1.00	2.00	ug/kg wet	1	50.0	---	77	58-128%	---	---		
2,4'-DDE	28.9	1.00	2.00	ug/kg wet	1	50.0	---	58	49-125%	---	---		
2,4'-DDT	47.1	1.00	2.00	ug/kg wet	1	50.0	---	94	66-145%	---	---		
4,4'-DDD	41.7	1.00	2.00	ug/kg wet	1	50.0	---	83	56-139%	---	---		
4,4'-DDE	33.0	1.00	2.00	ug/kg wet	1	50.0	---	66	56-134%	---	---		
4,4'-DDT	47.1	1.00	2.00	ug/kg wet	1	50.0	---	94	50-141%	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 46 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>99 %</i>		<i>55-130 %</i>		<i>"</i>							
Duplicate (1060443-DUP1)						Prepared: 05/17/21 07:23 Analyzed: 06/10/21 12:25						C-05	
QC Source Sample: Non-SDG (A1E0225-12RE1)													
2,4'-DDD	ND	3.67	3.67	ug/kg dry	1	---	ND	---	---	---	30%		
2,4'-DDE	ND	3.67	3.67	ug/kg dry	1	---	ND	---	---	---	30%		
2,4'-DDT	ND	1.84	3.67	ug/kg dry	1	---	ND	---	---	---	30%		
4,4'-DDD	10.9	1.84	3.67	ug/kg dry	1	---	15.2	---	---	33	30%	Q-05	
4,4'-DDE	4.22	1.84	3.67	ug/kg dry	1	---	4.25	---	---	0.8	30%		
4,4'-DDT	39.4	1.84	3.67	ug/kg dry	1	---	57.5	---	---	37	30%	Q-17	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 44 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>78 %</i>		<i>55-130 %</i>		<i>"</i>							
Matrix Spike (1060443-MS1)						Prepared: 05/17/21 07:23 Analyzed: 06/11/21 13:59						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 1060443 - EPA 3546/3640A (GPC)						Sediment						
Matrix Spike (1060443-MS1)						Prepared: 05/17/21 07:23 Analyzed: 06/11/21 13:59						C-05
QC Source Sample: USMPDI-035SG-210504 (A1E0231-04RE1)												
EPA 8081B												
2,4'-DDD	92.5	2.03	4.05	ug/kg dry	1	101	ND	91	58-128%	---	---	
2,4'-DDE	77.4	4.05	4.05	ug/kg dry	1	101	ND	76	49-125%	---	---	
2,4'-DDT	108	2.03	4.05	ug/kg dry	1	101	ND	106	66-145%	---	---	Q-41
4,4'-DDD	103	2.03	4.05	ug/kg dry	1	101	ND	101	56-139%	---	---	
4,4'-DDE	82.7	2.03	4.05	ug/kg dry	1	101	ND	82	56-134%	---	---	
4,4'-DDT	99.2	2.03	4.05	ug/kg dry	1	101	ND	98	50-141%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 43 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>86 %</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 1050296 - ASTM D7511-12mod (S)						Soil						
Blank (1050296-BLK1)			Prepared: 05/10/21 09:53 Analyzed: 05/12/21 11:53									
<u>D7511-12</u>												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
LCS (1050296-BS1)			Prepared: 05/10/21 09:53 Analyzed: 05/12/21 11:55									
<u>D7511-12</u>												
Total Cyanide	0.372	0.0500	0.100	mg/kg wet	1	0.400	---	93	84-116%	---	---	
Matrix Spike (1050296-MS1)			Prepared: 05/10/21 09:53 Analyzed: 05/12/21 12:09									
<u>QC Source Sample: Non-SDG (A1E0180-23)</u>												
<u>D7511-12</u>												
Total Cyanide	2.48	0.505	1.01	mg/kg dry	5	0.808	4.42	-239	64-136%	---	---	Q-04
Matrix Spike (1050296-MS3)			Prepared: 05/10/21 09:53 Analyzed: 05/12/21 14:13									
<u>QC Source Sample: Non-SDG (A1E0206-05RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	0.283	0.0920	0.184	mg/kg dry	1	0.736	0.198	12	64-136%	---	---	Q-04, Q-16
Matrix Spike Dup (1050296-MSD1)			Prepared: 05/10/21 09:53 Analyzed: 05/12/21 12:13									
<u>QC Source Sample: Non-SDG (A1E0180-23)</u>												
Total Cyanide	2.60	0.502	1.00	mg/kg dry	5	0.803	4.42	-226	64-136%	4	47%	Q-04
Matrix Spike Dup (1050296-MSD3)			Prepared: 05/10/21 09:53 Analyzed: 05/12/21 14:23									
<u>QC Source Sample: Non-SDG (A1E0206-05RE1)</u>												
Total Cyanide	0.387	0.0920	0.184	mg/kg dry	1	0.736	0.198	26	64-136%	31	47%	Q-04, Q-16

Apex Laboratories

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ANALYTICAL REPORT

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: A1E0231 - 06 15 21 1547
--	---	---

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 1050403 - ASTM D7511-12mod (S)						Soil						
Blank (1050403-BLK1)			Prepared: 05/12/21 11:31 Analyzed: 05/12/21 13:33									
<u>D7511-12</u>												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
LCS (1050403-BS1)			Prepared: 05/12/21 11:31 Analyzed: 05/12/21 13:35									
<u>D7511-12</u>												
Total Cyanide	0.398	0.0500	0.100	mg/kg wet	1	0.400	---	100	84-116%	---	---	
Matrix Spike (1050403-MS2)			Prepared: 05/12/21 11:31 Analyzed: 05/12/21 15:08									
<u>QC Source Sample: USMPDI-035SG-210504 (A1E0231-04RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	1.27	0.0998	0.200	mg/kg dry	1	0.798	0.688	72	64-136%	---	---	Q-16
Matrix Spike Dup (1050403-MSD2)			Prepared: 05/12/21 11:31 Analyzed: 05/12/21 15:10									
<u>QC Source Sample: USMPDI-035SG-210504 (A1E0231-04RE1)</u>												
<u>D7511-12</u>												
Total Cyanide	1.27	0.101	0.201	mg/kg dry	1	0.804	0.688	72	64-136%	0.1	47%	Q-16

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--	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050456 - PSEP-5310B TOC						Soil						
Blank (1050456-BLK1)			Prepared: 05/13/21 10:40 Analyzed: 05/14/21 16:17									
<u>PSEP SM 5310B MOD</u>												
Total Organic Carbon	ND	0.020	0.020	% wet	1	---	---	---	---	---	---	
LCS (1050456-BS1)			Prepared: 05/13/21 10:40 Analyzed: 05/14/21 16:28									
<u>PSEP SM 5310B MOD</u>												
Total Organic Carbon	9900			mg/kg	1	10000	---	99	88-111%	---	---	
Duplicate (1050456-DUP1)			Prepared: 05/13/21 10:40 Analyzed: 05/14/21 17:00									
<u>QC Source Sample: Non-SDG (A1E0225-13)</u>												
Total Organic Carbon	2.7	0.037	0.037	% dry	1	---	2.7	---	---	0.7	27%	
Duplicate (1050456-DUP2)			Prepared: 05/13/21 10:40 Analyzed: 05/14/21 17:33									
<u>QC Source Sample: Non-SDG (A1E0225-13)</u>												
Total Organic Carbon	2.5	0.037	0.037	% dry	1	---	2.7	---	---	7	27%	
Duplicate (1050456-DUP3)			Prepared: 05/13/21 10:40 Analyzed: 05/17/21 12:41									
<u>QC Source Sample: Non-SDG (A1E0393-01)</u>												
Total Organic Carbon	2.8	0.066	0.066	% dry	1	---	3.0	---	---	7	27%	

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 503-718-2323
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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 1050259 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (1050259-DUP1)						Prepared: 05/07/21 16:26 Analyzed: 05/11/21 12:20						
<u>QC Source Sample: Non-SDG (A1E0225-15)</u>												
Total Solids	54.0	1.00	1.00	%	1	---	53.6	---	---	0.9	10%	
Duplicate (1050259-DUP2)						Prepared: 05/07/21 16:26 Analyzed: 05/11/21 12:20						
<u>QC Source Sample: USMPDI-028SG-210504 (A1E0231-01)</u>												
<u>SM 2540 G</u>												
Total Solids	45.0	1.00	1.00	%	1	---	45.0	---	---	0.09	10%	

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--	---	---

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 1060443</u>							
A1E0231-01RE2	SE	EPA 8081B	05/04/21 00:00	05/17/21 07:23	10.34g/10mL	10g/5mL	1.93
A1E0231-02RE1	SE	EPA 8081B	05/04/21 00:00	05/17/21 07:23	10.17g/10mL	10g/5mL	1.97
A1E0231-03RE1	SE	EPA 8081B	05/04/21 00:00	05/17/21 07:23	10.24g/10mL	10g/5mL	1.95
A1E0231-04RE1	SE	EPA 8081B	05/04/21 00:00	05/17/21 07:23	10.06g/10mL	10g/5mL	1.99

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
<u>Batch: 1050296</u>							
A1E0231-01RE1	SE	D7511-12	05/04/21 00:00	05/10/21 09:53	2.5162g/50mL	2.5g/50mL	0.99
A1E0231-02	SE	D7511-12	05/04/21 00:00	05/10/21 09:53	2.5074g/50mL	2.5g/50mL	1.00
A1E0231-03	SE	D7511-12	05/04/21 00:00	05/10/21 09:53	2.5125g/50mL	2.5g/50mL	1.00
<u>Batch: 1050403</u>							
A1E0231-04RE1	SE	D7511-12	05/04/21 00:00	05/12/21 11:31	2.5699g/50mL	2.5g/50mL	0.97

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 1050456</u>							
A1E0231-01RE1	SE	PSEP_SM 5310B MOD	05/04/21 00:00	05/13/21 10:40			NA
A1E0231-02RE1	SE	PSEP_SM 5310B MOD	05/04/21 00:00	05/13/21 10:40			NA
A1E0231-03RE1	SE	PSEP_SM 5310B MOD	05/04/21 00:00	05/13/21 10:40			NA
A1E0231-04	SE	PSEP_SM 5310B MOD	05/04/21 00:00	05/13/21 10:40			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: 1050259</u>							
A1E0231-01	SE	SM 2540 G	05/04/21 00:00	05/07/21 16:26			NA

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ORELAP ID: OR100062

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--	---	---

SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A1E0231-02	SE	SM 2540 G	05/04/21 00:00	05/07/21 16:26			NA
A1E0231-03	SE	SM 2540 G	05/04/21 00:00	05/07/21 16:26			NA
A1E0231-04	SE	SM 2540 G	05/04/21 00:00	05/07/21 16:26			NA

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Table with 3 columns: Client (Anchor QEA, LLC), Project (US Moorings -- C2, C3, C4), and Report ID (A1E0231 - 06 15 21 1547).

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-05 Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-16 Reanalysis of an original Batch QC sample.
Q-17 RPD between original and duplicate sample is outside of established control limits.
Q-41 Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
S-03 Reextraction and analysis, or analysis of laboratory duplicate, confirms surrogate failure due to sample matrix effect.
S-06 Surrogate recovery is outside of established control limits.

Apex Laboratories

Signature of Darwin Thomas

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

QC Source:

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

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

Miscellaneous Notes:

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

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

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Table with 3 columns: Client (Anchor QEA, LLC), Project (US Moorings -- C2, C3, C4), and Report ID (A1E0231 - 06 15 21 1547)

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.

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.

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

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

Apex Laboratories

Signature of Darwin Thomas

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Table with 3 columns: Client (Anchor QEA, LLC), Project (US Moorings -- C2, C3, C4), and Report ID (A1E0231 - 06 15 21 1547)

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Table with 6 columns: 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.

Apex Laboratories

Handwritten signature of Darwin Thomas

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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: A1E0231 - 06 15 21 1547
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ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

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

Project: GascoSiltionic, US Moorings
Client: NW Natural

A1E0231

COC ID: APEX-20210504-142706
Sample Custodian: HS
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab Containers	Lab OC	Test Request	Method	TAT**	Preservative
001	USMPDI-0285G-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
002	USMPDI-0305G-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
003	USMPDI-0315G-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
004	USMPDI-0355G-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C

Comment:

Received By:	Signature	Print Name	Company	Date/Time
Received By:		Delaney Peterson	Apex	5/5/21 10:15
Subsampled By:		Delaney Peterson	Apex	5/5/21 10:15

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

Date Printed: 5/4/2021

Apex Laboratories

Darwin Thomas, Business Development Director
06/30/21 Anchor QEA, LLC - US Moorings - C2, C3, C4 Page 26 of 650

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ANALYTICAL REPORT

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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: A1E0231 - 06 15 21 1547
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APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A1 E0231

Project/Project #: Gascosi Hronic US Moorings APEX - 202 105021 - 142706

Delivery Info:
 Date/time received: 5/5/21 @ 1015 By: EJ
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 5/5/21 @ 1115 By: EJ
 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>1.3</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

Cooler out of temp? (Y/N) (N) Possible reason why: _____
 Green dots applied to out of temperature samples? Yes No
 Out of temperature samples form initiated? Yes No
Sample Inspection: Date/time inspected: 5/6/21 @ 1604 By: (Signature)
 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)

Apex Laboratories

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

A1E0231

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:	05/19/21 17:00 (10 day TAT)	Date Received:	05/05/21 10:15
Received By:	Eli S. Joyner	Date Logged In:	05/06/21 16:00
Logged In By:	Susan Treat		

Cooler #1 received at 1.3°C									
Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Analysis	Due	TAT	Expires	Comments
A1E0231-01 USMPDI-028SG-210504 [Sediment] Sampled 05/04/21 00:00				
(GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/10/21 17:00	3	05/18/21 00:00	use TS data, make non-reportable
Project Mgmt				
Data Package	05/18/21 17:00	10	08/11/21 00:00	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/18/21 17:00	10	05/18/21 00:00	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	05/18/21 17:00	10	05/18/21 00:00	
Solids, Total (SM 2540 G,B)	05/18/21 17:00	10	05/18/21 00:00	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	05/18/21 17:00	10	05/18/21 00:00	

A1E0231-02 USMPDI-030SG-210504 [Sediment] Sampled 05/04/21 00:00				
(GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	05/10/21 17:00	3	05/18/21 00:00	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/18/21 17:00	10	05/18/21 00:00	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	05/18/21 17:00	10	05/18/21 00:00	
Solids, Total (SM 2540 G,B)	05/18/21 17:00	10	05/18/21 00:00	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	05/18/21 17:00	10	05/18/21 00:00	

A1E0231

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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A1E0231-03 USMPDI-031SG-210504 [Sediment] Sampled 05/04/21 00:00

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

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/10/21 17:00	3	05/18/21 00:00	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/18/21 17:00	10	05/18/21 00:00	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	05/18/21 17:00	10	05/18/21 00:00	
Solids, Total (SM 2540 G,B)	05/18/21 17:00	10	05/18/21 00:00	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	05/18/21 17:00	10	05/18/21 00:00	

A1E0231-04 USMPDI-035SG-210504 [Sediment] Sampled 05/04/21 00:00

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

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/10/21 17:00	3	05/18/21 00:00	use TS data, make non-reportable
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/18/21 17:00	10	05/18/21 00:00	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	05/18/21 17:00	10	05/18/21 00:00	
Solids, Total (SM 2540 G,B)	05/18/21 17:00	10	05/18/21 00:00	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	05/18/21 17:00	10	05/18/21 00:00	

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A1E0231

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: APEX-20210504-142706
Sample Custodian: HS
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-028SG-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
002	USMPDI-030SG-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
003	USMPDI-031SG-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
004	USMPDI-035SG-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Total solids (APEX)	SM2540G	30	4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: James Smith	Print Name: Eli Joyner	Print Name:	Print Name:	Print Name:	Print Name:
Company: Anchor QEA	Company: APEX LABS	Company:	Company:	Company:	Company:
Date/Time: 5/5/21 0950	Date/Time: 5/5/21 1015	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A1 E0231

Project/Project #: GascoSi Hronic US Moorings APEX-202105021-142706

Delivery Info:

Date/time received: 5/5/21 @ 1015 By: EJ

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

Cooler Inspection Date/time inspected: 5/5/21 @ 1115 By: EJ

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>1.3</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

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

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 5/5/21 @ 1604 By: 81

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: 81 Witness: _____ Cooler Inspected by: 81

CLP-Like Forms

Apex Laboratories

SDG: A1E0231

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-028SG-210504</u>	<u>A1E0231-01</u>	<u>SE</u>
<u>USMPDI-030SG-210504</u>	<u>A1E0231-02</u>	<u>SE</u>
<u>USMPDI-031SG-210504</u>	<u>A1E0231-03</u>	<u>SE</u>
<u>USMPDI-035SG-210504</u>	<u>A1E0231-04</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: _____

6/18/2021 12:27PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Sediment

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

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

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Soil

Analyte	MDL	MRL	Units
2,4'-DDD [2C]	0.500	1.00	ug/kg
2,4'-DDE [2C]	0.500	1.00	ug/kg
2,4'-DDT	0.500	1.00	ug/kg
2,4'-DDT [2C]	0.500	1.00	ug/kg
4,4'-DDD [2C]	0.500	1.00	ug/kg
4,4'-DDE [2C]	0.500	1.00	ug/kg
4,4'-DDT	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-028SG-210504

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>		
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>		
Matrix: <u>SE</u>	Laboratory ID: <u>A1E0231-01RE2</u>	File ID: <u>ECD3-06112107.D</u>	
Sampled: <u>05/04/21 00:00</u>	Prepared: <u>05/17/21 07:23</u>	Analyzed: <u>06/11/21 13:07</u>	
Solids: <u>45.01</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.34 g / 10 mL</u>	
Batch: <u>1060443</u>	Sequence: <u>1F11025</u>	Calibration: <u>A1E1407</u>	Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	2.15	U
3424-82-6	2,4'-DDE [2C]	1	2.15	U
789-02-6	2,4'-DDT [2C]	1	2.15	U
72-54-8	4,4'-DDD [2C]	1	2.15	U
72-55-9	4,4'-DDE [2C]	1	2.15	U
50-29-3	4,4'-DDT [2C]	1	2.15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	107	50.4	47	42 - 129	
Decachlorobiphenyl (Surr) [2C]	107	84.9	79	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-030SG-210504

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A1E0231-02RE1</u>	File ID: <u>ECD3-06102116.D</u>
Sampled: <u>05/04/21 00:00</u>	Prepared: <u>05/17/21 07:23</u>	Analyzed: <u>06/10/21 14:08</u>
Solids: <u>57.73</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.17 g / 10 mL</u>
Batch: <u>1060443</u>	Sequence: <u>1F10034</u>	Calibration: <u>A1E1407</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.70	U
3424-82-6	2,4'-DDE [2C]	1	3.41	U
789-02-6	2,4'-DDT [2C]	1	1.70	U
72-54-8	4,4'-DDD [2C]	1	1.70	U
72-55-9	4,4'-DDE [2C]	1	1.70	U
50-29-3	4,4'-DDT	1	7.99	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	85.2	29.7	35	42 - 129	*
Decachlorobiphenyl (Surr) [2C]	85.2	54.2	64	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-031SG-210504

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A1E0231-03RE1</u>	File ID: <u>ECD3-06112108.D</u>
Sampled: <u>05/04/21 00:00</u>	Prepared: <u>05/17/21 07:23</u>	Analyzed: <u>06/11/21 13:24</u>
Solids: <u>44.29</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.24 g / 10 mL</u>
Batch: <u>1060443</u>	Sequence: <u>1F11025</u>	Calibration: <u>A1E1407</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	2.20	U
3424-82-6	2,4'-DDE [2C]	1	2.20	U
789-02-6	2,4'-DDT [2C]	1	2.20	U
72-54-8	4,4'-DDD [2C]	1	4.07	J
72-55-9	4,4'-DDE [2C]	1	2.20	U
50-29-3	4,4'-DDT [2C]	1	2.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	110	30.1	27	42 - 129	*
Decachlorobiphenyl (Surr) [2C]	110	91.1	83	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-035SG-210504

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A1E0231-04RE1</u>	File ID: <u>ECD3-06112109.D</u>
Sampled: <u>05/04/21 00:00</u>	Prepared: <u>05/17/21 07:23</u>	Analyzed: <u>06/11/21 13:41</u>
Solids: <u>48.71</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.06 g / 10 mL</u>
Batch: <u>1060443</u>	Sequence: <u>1F11025</u>	Calibration: <u>A1E1407</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	2.04	U
3424-82-6	2,4'-DDE [2C]	1	4.08	U
789-02-6	2,4'-DDT [2C]	1	2.04	U
72-54-8	4,4'-DDD [2C]	1	2.04	U
72-55-9	4,4'-DDE [2C]	1	2.04	U
50-29-3	4,4'-DDT	1	2.04	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	102	25.9	25	42 - 129	*
Decachlorobiphenyl (Surr) [2C]	102	63.8	63	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 1060443

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1060443-BLK1	ECD3-06102107.D	05/17/21 07:23	
LCS	1060443-BS1	ECD3-06102108.D	05/17/21 07:23	
USMPDI-035SG-210504 (MS)	1060443-MS1	ECD3-06112110.D	05/17/21 07:23	
USMPDI-028SG-210504	A1E0231-01RE2	ECD3-06112107.D	05/17/21 07:23	
USMPDI-030SG-210504	A1E0231-02RE1	ECD3-06102116.D	05/17/21 07:23	
USMPDI-031SG-210504	A1E0231-03RE1	ECD3-06112108.D	05/17/21 07:23	
USMPDI-035SG-210504	A1E0231-04RE1	ECD3-06112109.D	05/17/21 07:23	

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

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

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>1060443-BLK1</u>	File ID: <u>ECD3-06102107.D</u>
Prepared: <u>05/17/21 07:23</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>11 g / 10 mL</u>
Analyzed: <u>06/10/21 11:33</u>	Instrument: <u>DUALECD3</u>	
Batch: <u>1060443</u>	Sequence: <u>1F10034</u>	Calibration: <u>A1E1407</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	45.5	16.5	36	42 - 129	*
Decachlorobiphenyl (Surr) [2C]	45.5	42.8	94	55 - 130	

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Sediment

Batch: 1060443

Laboratory ID: 1060443-BS1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	50.0	38.6	77	58 - 128
2,4'-DDE [2C]	50.0	28.9	58	49 - 125
2,4'-DDT	50.0	47.1	94	66 - 145
4,4'-DDD [2C]	50.0	41.7	83	56 - 139
4,4'-DDE [2C]	50.0	33.0	66	56 - 134
4,4'-DDT	50.0	47.1	94	50 - 141

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USMPDI-035SG-210504

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Sediment

Batch: 1060443

Laboratory ID: 1060443-MS1

Preparation: EPA 3546/3640A (GPC)

Initial/Final: 10.13 g / 10 mL

Source Sample Name: USMPDI-035SG-210504

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	101	ND	92.5	91	58 - 128
2,4'-DDE [2C]	101	ND	77.4	76	49 - 125
2,4'-DDT [2C]	101	ND	108	106	66 - 145
4,4'-DDD [2C]	101	ND	103	101	56 - 139
4,4'-DDE [2C]	101	ND	82.7	82	56 - 134
4,4'-DDT	101	ND	99.2	98	50 - 141

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1E13026

Instrument: DUALECD3

Matrix: Soil

Calibration: A1E1407

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	1E13026-ICB1	ECD3-05132114.D	05/13/21 13:16
Cal Standard	1E13026-CAL1	ECD3-05132115.D	05/13/21 13:34
Cal Standard	1E13026-CAL2	ECD3-05132116.D	05/13/21 13:51
Cal Standard	1E13026-CAL3	ECD3-05132117.D	05/13/21 14:08
Cal Standard	1E13026-CAL4	ECD3-05132118.D	05/13/21 14:26
Cal Standard	1E13026-CAL5	ECD3-05132119.D	05/13/21 14:43
Cal Standard	1E13026-CAL6	ECD3-05132120.D	05/13/21 15:01
Cal Standard	1E13026-CAL7	ECD3-05132121.D	05/13/21 15:18
Cal Standard	1E13026-CAL8	ECD3-05132123.D	05/13/21 15:53
Cal Standard	1E13026-CAL9	ECD3-05132126.D	05/13/21 16:45
Initial Cal Check	1E13026-ICV1	ECD3-05132128.D	05/13/21 17:20
Cal Standard	1E13026-CALA	ECD3-05132129.D	05/13/21 17:37
Cal Standard	1E13026-CALB	ECD3-05132130.D	05/13/21 17:55
Cal Standard	1E13026-CALC	ECD3-05132131.D	05/13/21 18:12
Cal Standard	1E13026-CALD	ECD3-05132132.D	05/13/21 18:30
Cal Standard	1E13026-CALE	ECD3-05132133.D	05/13/21 18:47
Cal Standard	1E13026-CALF	ECD3-05132134.D	05/13/21 19:04
Cal Standard	1E13026-CALG	ECD3-05132135.D	05/13/21 19:22
Cal Standard	1E13026-CALH	ECD3-05132136.D	05/13/21 19:39
Cal Standard	1E13026-CALI	ECD3-05132137.D	05/13/21 19:57
Initial Cal Check	1E13026-ICV2	ECD3-05132139.D	05/13/21 20:32

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: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1F10034

Instrument: DUALECD3

Matrix: Sediment

Calibration: A1E1407

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F10034-CCV1	ECD3-06102104.D	06/10/21 10:42
Calibration Check	1F10034-CCV2	ECD3-06102105.D	06/10/21 10:59
Calibration Blank	1F10034-CCB1	ECD3-06102106.D	06/10/21 11:16
Blank	1060443-BLK1	ECD3-06102107.D	06/10/21 11:33
LCS	1060443-BS1	ECD3-06102108.D	06/10/21 11:51
USMPDI-030SG-210504	A1E0231-02RE1	ECD3-06102116.D	06/10/21 14:08
Calibration Check	1F10034-CCV3	ECD3-06102117.D	06/10/21 14:25
Calibration Check	1F10034-CCV4	ECD3-06102118.D	06/10/21 14:43
Calibration Blank	1F10034-CCB2	ECD3-06102119.D	06/10/21 15:00

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

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1F11025

Instrument: DUALECD3

Matrix: Sediment

Calibration: A1E1407

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1F11025-CCV1	ECD3-06112104.D	06/11/21 12:15
Calibration Check	1F11025-CCV2	ECD3-06112105.D	06/11/21 12:33
Calibration Blank	1F11025-CCB1	ECD3-06112106.D	06/11/21 12:50
USMPDI-028SG-210504	A1E0231-01RE2	ECD3-06112107.D	06/11/21 13:07
USMPDI-031SG-210504	A1E0231-03RE1	ECD3-06112108.D	06/11/21 13:24
USMPDI-035SG-210504	A1E0231-04RE1	ECD3-06112109.D	06/11/21 13:41
USMPDI-035SG-210504 (MS)	1060443-MS1	ECD3-06112110.D	06/11/21 13:59
Calibration Check	1F11025-CCV3	ECD3-06112111.D	06/11/21 14:16
Calibration Check	1F11025-CCV4	ECD3-06112112.D	06/11/21 14:33
Calibration Blank	1F11025-CCB2	ECD3-06112113.D	06/11/21 14:50

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

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

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1E1407

Date: 05/14/21 15:41

Instrument: DUALECD3

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD [2C]	70780.81	XXX	23.92601	8.303111	1.247969E-02				
2,4'-DDE [2C]	81657.49	XXX	21.48687	7.932778	1.162051E-02				
2,4'-DDT [2C]	57704.91	XXX	23.48672	8.524111	7.32064E-03				
4,4'-DDD [2C]	84528.17	Ave	5.115146	8.569111	1.119524E-03			20	
4,4'-DDE [2C]	110344.6	Ave	3.60167	8.156889	1.730465E-02			20	
4,4'-DDT	113307.1	Ave	7.619812	8.283	1.981127E-02			20	
2,4,5,6-TCMX (Surr) [2C]	102360.5	Ave	6.536971	5.828444	4.421037E-03			20	
Decachlorobiphenyl (Surr) [2C]	71192.87	XXX	14.22143	10.31944	6.897527E-03				

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1E1407

Instrument: DUALECD3

Calibration Date: 05/14/21 15:41

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	150208	1	137514	2	140173.5	5	139290.2	10	138130.3	25	136458.2
4,4'-DDD [2C]	0.5	89780	1	79250	2	82596.5	5	82233	10	81975.6	25	80438.72
4,4'-DDE	0.5	207024	1	191589	2	185759.5	5	181645.8	10	184557	25	179032.6
4,4'-DDE [2C]	0.5	119894	1	109637	2	110598	5	107405	10	106540.7	25	107271
4,4'-DDT	0.5	123722	1	109141	2	111298.5	5	110839.6	10	110787.2	25	101747.8
4,4'-DDT [2C]	0.5	68946	1	60563	2	62673.5	5	60301	10	62226.5	25	58068.72
2,4,5,6-TCMX (Surr)	0.5	198232	1	182894	2	179982	5	165817.8	10	168196.8	25	161642.3
2,4,5,6-TCMX (Surr) [2C]	0.5	117920	1	107474	2	103415.5	5	97732.4	10	98628.1	25	96739.64
Decachlorobiphenyl (Surr)	0.5	893580	1	156835	2	144560.5	5	129146.8	10	125398.6	25	117745.3
Decachlorobiphenyl (Surr) [2C]	0.5	91562	1	82421	2	76346.5	5	69476.2	10	65039	25	63941.92

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1E1407

Instrument: DUALECD3

Matrix:

Calibration Date: 05/14/21 15:41

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	162708	1	153093	2	110558.5
2,4'-DDD [2C]							0.5	104520	1	95600	2	67518
2,4'-DDE							0.5	182546	1	178837	2	128222
2,4'-DDE [2C]							0.5	116204	1	108074	2	78472.5
2,4'-DDT							0.5	147662	1	128520	2	89896.5
2,4'-DDT [2C]							0.5	85372	1	74762	2	52588
4,4'-DDD	50	142577.2	100	154994.7	200	160314.4						
4,4'-DDD [2C]	50	84734.26	100	91406.97	200	88338.45						
4,4'-DDE	50	189411.4	100	195034.5	200	197265.5						
4,4'-DDE [2C]	50	111220.5	100	111062.9	200	109472.8						
4,4'-DDT	50	106034.3	100	129255.3	200	116938						
4,4'-DDT [2C]	50	59526.58	100	74919.64	200	66048.5						
2,4,5,6-TCMX (Surr)	50	163946.2	100	169395.2	200	170284.7						
2,4,5,6-TCMX (Surr) [2C]	50	98711.16	100	100019.4	200	100604.4						
Decachlorobiphenyl (Surr)	50	119982.7	100	125007.4	200	126640.3						
Decachlorobiphenyl (Surr) [2C]	50	62738.2	100	65266.58	200	63944.45						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1E1407

Instrument: DUALECD3

Matrix:

Calibration Date: 05/14/21 15:41

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD	5	97939.8	10	105148.1	25	99329.92	50	100960.7	100	101318	200	108403
2,4'-DDD [2C]	5	58214.4	10	62639.9	25	61154.12	50	61088.86	100	62142.5	200	64149.55
2,4'-DDE	5	118918.8	10	120619	25	117430.9	50	115491.4	100	118824.7	200	120855
2,4'-DDE [2C]	5	72810.4	10	72982.3	25	70611.12	50	70985.82	100	72166	200	72611.3
2,4'-DDT	5	70745	10	93397.3	25	84356.96	50	87945.18	100	89165.5	200	94135.8
2,4'-DDT [2C]	5	41465.4	10	54277.4	25	50455.88	50	51754.98	100	53729.29	200	54939.25

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A1E1407</u>
Lab File ID: <u>ECD3-05132128.D</u>	
Sequence: <u>1E13026</u>	Inject Date: <u>05/13/21</u>
Lab Sample ID: <u>1E13026-ICV1</u>	Inject Time: <u>17:20</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	50.8	1.5	70 - 130
4,4'-DDD [2C]	50.0	52.2	4.4	70 - 130
4,4'-DDE	50.0	49.9	-0.1	70 - 130
4,4'-DDE [2C]	50.0	52.1	4.2	70 - 130
4,4'-DDT	50.0	48.9	-2.2	70 - 130
4,4'-DDT [2C]	50.0	51.0	2.0	70 - 130
2,4,5,6-TCMX (Surr)	50.0	49.1	-1.8	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	49.8	-0.4	70 - 130
Decachlorobiphenyl (Surr)	50.0	47.3	-5.4	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	51.9	3.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A1E1407</u>
Lab File ID: <u>ECD3-05132139.D</u>	
Sequence: <u>1E13026</u>	Inject Date: <u>05/13/21</u>
Lab Sample ID: <u>1E13026-ICV2</u>	Inject Time: <u>20:32</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	53.5	7.1	70 - 130
2,4'-DDD [2C]	50.0	54.6	9.2	70 - 130
2,4'-DDE	50.0	51.9	3.8	70 - 130
2,4'-DDE [2C]	50.0	53.9	7.7	70 - 130
2,4'-DDT	50.0	56.7	13.4	70 - 130
2,4'-DDT [2C]	50.0	58.2	16.4	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD3

Calibration: A1E1407

Lab File ID: ECD3-06102104.D

Calibration Date: 05/14/21 15:41

Sequence: 1F10034

Injection Date: 06/10/21

Lab Sample ID: 1F10034-CCV1

Injection Time: 10:42

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	43.3		144406.7	124938.9	-13.5	20
4,4'-DDD [2C]	Ave	50.0	49.7		84528.17	84051.1	-0.6	20
4,4'-DDE	Ave	50.0	40.4		190146.6	153711	-19.2	20
4,4'-DDE [2C]	Ave	50.0	47.7		110344.6	105316.2	-4.6	20
4,4'-DDT	Ave	50.0	50.7		113307.1	114888	1.4	20
4,4'-DDT [2C]	Ave	50.0	60.2		63697.05	76726.72	20.5*	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD3

Calibration: A1E1407

Lab File ID: ECD3-06102105.D

Calibration Date: 05/14/21 15:41

Sequence: 1F10034

Injection Date: 06/10/21

Lab Sample ID: 1F10034-CCV2

Injection Time: 10:59

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	37.8	-24.4 *				20
2,4'-DDD [2C]	XXX	50.0	43.7	-12.5				20
2,4'-DDE	XXX	50.0	37.7	-24.5 *				20
2,4'-DDE [2C]	XXX	50.0	45.6	-8.8				20
2,4'-DDT	XXX	50.0	45.1	-9.9				20
2,4'-DDT [2C]	XXX	50.0	51.6	3.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD3

Calibration: A1E1407

Lab File ID: ECD3-06102117.D

Calibration Date: 05/14/21 15:41

Sequence: 1F10034

Injection Date: 06/10/21

Lab Sample ID: 1F10034-CCV3

Injection Time: 14:25

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	98.1		144406.7	141648.6	-1.9	20
4,4'-DDD [2C]	Ave	100	106		84528.17	89298.81	5.6	20
4,4'-DDE	Ave	100	89.5		190146.6	170106.9	-10.5	20
4,4'-DDE [2C]	Ave	100	100		110344.6	110313.5	-0.03	20
4,4'-DDT	Ave	100	112		113307.1	126831.4	11.9	20
4,4'-DDT [2C]	Ave	100	128		63697.05	81294.7	27.6*	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD3

Calibration: A1E1407

Lab File ID: ECD3-06102118.D

Calibration Date: 05/14/21 15:41

Sequence: 1F10034

Injection Date: 06/10/21

Lab Sample ID: 1F10034-CCV4

Injection Time: 14:43

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	92.8	-7.2				20
2,4'-DDD [2C]	XXX	100	102	1.9				20
2,4'-DDE	XXX	100	87.5	-12.5				20
2,4'-DDE [2C]	XXX	100	98.2	-1.8				20
2,4'-DDT	XXX	100	117	16.6				20
2,4'-DDT [2C]	XXX	100	127	27.3 *				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: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD3

Calibration: A1E1407

Lab File ID: ECD3-06112104.D

Calibration Date: 05/14/21 15:41

Sequence: 1F11025

Injection Date: 06/11/21

Lab Sample ID: 1F11025-CCV1

Injection Time: 12:15

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		144406.7	130237.6	-9.8	20
4,4'-DDD [2C]	Ave	50.0	52.6		84528.17	88849.44	5.1	20
4,4'-DDE	Ave	50.0	41.6		190146.6	158102.7	-16.9	20
4,4'-DDE [2C]	Ave	50.0	48.8		110344.6	107644.9	-2.4	20
4,4'-DDT	Ave	50.0	54.9		113307.1	124364.3	9.8	20
4,4'-DDT [2C]	Ave	50.0	63.6		63697.05	81027.38	27.2*	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD3

Calibration: A1E1407

Lab File ID: ECD3-06112105.D

Calibration Date: 05/14/21 15:41

Sequence: 1F11025

Injection Date: 06/11/21

Lab Sample ID: 1F11025-CCV2

Injection Time: 12:33

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	41.2	-17.6				20
2,4'-DDD [2C]	XXX	50.0	47.3	-5.4				20
2,4'-DDE	XXX	50.0	38.5	-23.1 *				20
2,4'-DDE [2C]	XXX	50.0	44.9	-10.2				20
2,4'-DDT	XXX	50.0	51.2	2.4				20
2,4'-DDT [2C]	XXX	50.0	57.8	15.6				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD3

Calibration: A1E1407

Lab File ID: ECD3-06112111.D

Calibration Date: 05/14/21 15:41

Sequence: 1F11025

Injection Date: 06/11/21

Lab Sample ID: 1F11025-CCV3

Injection Time: 14:16

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	93.8		144406.7	135436.5	-6.2	20
4,4'-DDD [2C]	Ave	100	110		84528.17	92610.28	9.6	20
4,4'-DDE	Ave	100	87.3		190146.6	165990.9	-12.7	20
4,4'-DDE [2C]	Ave	100	98.7		110344.6	108902.1	-1.3	20
4,4'-DDT	Ave	100	118		113307.1	134138.4	18.4	20
4,4'-DDT [2C]	Ave	100	140		63697.05	89215.51	40.1*	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: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD3

Calibration: A1E1407

Lab File ID: ECD3-06112112.D

Calibration Date: 05/14/21 15:41

Sequence: 1F11025

Injection Date: 06/11/21

Lab Sample ID: 1F11025-CCV4

Injection Time: 14:33

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	90.1	-9.9				20
2,4'-DDD [2C]	XXX	100	102	2.1				20
2,4'-DDE	XXX	100	86.0	-14.0				20
2,4'-DDE [2C]	XXX	100	98.2	-1.8				20
2,4'-DDT	XXX	100	117	17.5				20
2,4'-DDT [2C]	XXX	100	131	30.9 *				20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1E13026

Instrument: DUALECD3

Matrix: Soil

Calibration: A1E1407

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (1E13026-ICV1)			Lab File ID: ECD3-05132128.D		Analyzed: 05/13/21 17:20			
2,4,5,6-TCMX (Surr)	50.0	98	70 - 130	5.479	5.479111	-0.0001	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	100	70 - 130	5.828	5.828444	-0.0004	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	95	70 - 130	9.677	9.67775	-0.0008	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	104	70 - 130	10.318	10.31944	-0.0014	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 1F10034
 Matrix: Sediment

SDG: A1E0231
 Project: US Moorings -- C2, C3, C4
 Instrument: DUALECD3
 Calibration: A1E1407

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F10034-CCV1) Lab File ID: ECD3-06102104.D Analyzed: 06/10/21 10:42								
2,4,5,6-TCMX (Surr)	50.0	88	80 - 120	5.298	5.479111	-0.1811	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	100	80 - 120	5.628	5.828444	-0.2004	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	81	80 - 120	9.486	9.67775	-0.1917	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	96	80 - 120	10.1	10.31944	-0.2194	+/-1.0	
Calibration Blank (1F10034-CCB1) Lab File ID: ECD3-06102106.D Analyzed: 06/10/21 11:16								
2,4,5,6-TCMX (Surr) [2C]	100	89	42 - 129	5.63	5.828444	-0.1984	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	104	55 - 130	10.1	10.31944	-0.2194	+/-1.0	
Blank (1060443-BLK1) Lab File ID: ECD3-06102107.D Analyzed: 06/10/21 11:33								
2,4,5,6-TCMX (Surr) [2C]	45.5	36	42 - 129	5.63	5.828444	-0.1984	+/-1.0	*
Decachlorobiphenyl (Surr) [2C]	45.5	94	55 - 130	10.099	10.31944	-0.2204	+/-1.0	
LCS (1060443-BS1) Lab File ID: ECD3-06102108.D Analyzed: 06/10/21 11:51								
2,4,5,6-TCMX (Surr) [2C]	50.0	46	42 - 129	5.63	5.828444	-0.1984	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	99	55 - 130	10.099	10.31944	-0.2204	+/-1.0	
USMPDI-030SG-210504 (A1E0231-02RE1) Lab File ID: ECD3-06102116.D Analyzed: 06/10/21 14:08								
2,4,5,6-TCMX (Surr) [2C]	85.2	35	42 - 129	5.631	5.828444	-0.1974	+/-1.0	*
Decachlorobiphenyl (Surr) [2C]	85.2	64	55 - 130	10.099	10.31944	-0.2204	+/-1.0	
Calibration Check (1F10034-CCV3) Lab File ID: ECD3-06102117.D Analyzed: 06/10/21 14:25								
2,4,5,6-TCMX (Surr)	100	95	80 - 120	5.299	5.479111	-0.1801	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	96	80 - 120	5.631	5.828444	-0.1974	+/-1.0	
Decachlorobiphenyl (Surr)	100	92	80 - 120	9.485	9.67775	-0.1928	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	111	80 - 120	10.099	10.31944	-0.2204	+/-1.0	
Calibration Blank (1F10034-CCB2) Lab File ID: ECD3-06102119.D Analyzed: 06/10/21 15:00								
2,4,5,6-TCMX (Surr) [2C]	100	89	42 - 129	5.632	5.828444	-0.1964	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	102	55 - 130	10.099	10.31944	-0.2204	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1F11025

Instrument: DUALECD3

Matrix: Sediment

Calibration: A1E1407

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1F11025-CCV1) Lab File ID: ECD3-06112104.D Analyzed: 06/11/21 12:15								
2,4,5,6-TCMX (Surr)	50.0	92	80 - 120	5.299	5.479111	-0.1801	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	94	80 - 120	5.631	5.828444	-0.1974	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	91	80 - 120	9.486	9.67775	-0.1917	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	105	80 - 120	10.1	10.31944	-0.2194	+/-1.0	
Calibration Blank (1F11025-CCB1) Lab File ID: ECD3-06112106.D Analyzed: 06/11/21 12:50								
2,4,5,6-TCMX (Surr) [2C]	100	88	42 - 129	5.631	5.828444	-0.1974	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	101	55 - 130	10.1	10.31944	-0.2194	+/-1.0	
USMPDI-028SG-210504 (A1E0231-01RE2) Lab File ID: ECD3-06112107.D Analyzed: 06/11/21 13:07								
2,4,5,6-TCMX (Surr) [2C]	107	47	42 - 129	5.63	5.828444	-0.1984	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	107	79	55 - 130	10.098	10.31944	-0.2214	+/-1.0	
USMPDI-031SG-210504 (A1E0231-03RE1) Lab File ID: ECD3-06112108.D Analyzed: 06/11/21 13:24								
2,4,5,6-TCMX (Surr) [2C]	110	27	42 - 129	5.63	5.828444	-0.1984	+/-1.0	*
Decachlorobiphenyl (Surr) [2C]	110	83	55 - 130	10.099	10.31944	-0.2204	+/-1.0	
USMPDI-035SG-210504 (A1E0231-04RE1) Lab File ID: ECD3-06112109.D Analyzed: 06/11/21 13:41								
2,4,5,6-TCMX (Surr) [2C]	102	25	42 - 129	5.63	5.828444	-0.1984	+/-1.0	*
Decachlorobiphenyl (Surr) [2C]	102	63	55 - 130	10.098	10.31944	-0.2214	+/-1.0	
Matrix Spike (1060443-MS1) Lab File ID: ECD3-06112110.D Analyzed: 06/11/21 13:59								
2,4,5,6-TCMX (Surr) [2C]	101	43	42 - 129	5.629	5.828444	-0.1994	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	101	86	55 - 130	10.098	10.31944	-0.2214	+/-1.0	
Calibration Check (1F11025-CCV3) Lab File ID: ECD3-06112111.D Analyzed: 06/11/21 14:16								
2,4,5,6-TCMX (Surr)	100	95	80 - 120	5.3	5.479111	-0.1791	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	96	80 - 120	5.631	5.828444	-0.1974	+/-1.0	
Decachlorobiphenyl (Surr)	100	93	80 - 120	9.486	9.67775	-0.1917	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	108	80 - 120	10.1	10.31944	-0.2194	+/-1.0	
Calibration Blank (1F11025-CCB2) Lab File ID: ECD3-06112113.D Analyzed: 06/11/21 14:50								
2,4,5,6-TCMX (Surr) [2C]	100	94	42 - 129	5.631	5.828444	-0.1974	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	110	55 - 130	10.099	10.31944	-0.2204	+/-1.0	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1E0231

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-028SG-210504	05/04/21 00:00	05/05/21 10:15	05/17/21 07:23	13.31	14.00	06/11/21 13:07	25.24	40.00	
USMPDI-030SG-210504	05/04/21 00:00	05/05/21 10:15	05/17/21 07:23	13.31	14.00	06/10/21 14:08	24.28	40.00	
USMPDI-031SG-210504	05/04/21 00:00	05/05/21 10:15	05/17/21 07:23	13.31	14.00	06/11/21 13:24	25.25	40.00	
USMPDI-035SG-210504	05/04/21 00:00	05/05/21 10:15	05/17/21 07:23	13.31	14.00	06/11/21 13:41	25.26	40.00	

Apex Laboratories

SDG: A1E0231

CLASS: WET

METHOD: D7511-12

ANALYSES DATA PACKAGE COVER PAGE

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-028SG-210504</u>	<u>A1E0231-01</u>	<u>SE</u>
<u>USMPDI-030SG-210504</u>	<u>A1E0231-02</u>	<u>SE</u>
<u>USMPDI-031SG-210504</u>	<u>A1E0231-03</u>	<u>SE</u>
<u>USMPDI-035SG-210504</u>	<u>A1E0231-04</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: _____

6/18/2021 12:27PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

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-028SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-01RE1

File ID: 1E12050-099

Sampled: 05/04/21 00:00

Prepared: 05/10/21 09:53

Analyzed: 05/12/21 14:41

Solids: 45.01

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5162 g / 50 mL

Batch: 1050296

Sequence: 1E12050

Calibration: A1E1202

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.789	1		D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-030SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-02

File ID: 1E12050-061

Sampled: 05/04/21 00:00

Prepared: 05/10/21 09:53

Analyzed: 05/12/21 13:13

Solids: 57.73

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5074 g / 50 mL

Batch: 1050296

Sequence: 1E12050

Calibration: A1E1202

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.762	5	JD	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-031SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-03

File ID: 1E12050-062

Sampled: 05/04/21 00:00

Prepared: 05/10/21 09:53

Analyzed: 05/12/21 13:15

Solids: 44.29

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5125 g / 50 mL

Batch: 1050296

Sequence: 1E12050

Calibration: A1E1202

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.948	5	JD	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-035SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-04RE1

File ID: 1E12050-105

Sampled: 05/04/21 00:00

Prepared: 05/12/21 11:31

Analyzed: 05/12/21 15:06

Solids: 48.71

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5699 g / 50 mL

Batch: 1050403

Sequence: 1E12050

Calibration: A1E1202

Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.688	1		D7511-12

PREPARATION BATCH SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 1050296 Batch Matrix: Soil

Preparation: ASTM D7511-12mod (S)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050296-BLK1	1E12050-021	05/10/21 09:53	
LCS	1050296-BS1	1E12050-022	05/10/21 09:53	
USMPDI-028SG-210504	A1E0231-01RE1	1E12050-099	05/10/21 09:53	
USMPDI-030SG-210504	A1E0231-02	1E12050-061	05/10/21 09:53	
USMPDI-031SG-210504	A1E0231-03	1E12050-062	05/10/21 09:53	

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

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

PREPARATION BATCH SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 1050403 Batch Matrix: Soil

Preparation: ASTM D7511-12mod (S)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050403-BLK1	1E12050-065	05/12/21 11:31	
LCS	1050403-BS1	1E12050-066	05/12/21 11:31	
USMPDI-035SG-210504 (MS)	1050403-MS2	1E12050-106	05/12/21 11:31	
USMPDI-035SG-210504 (MSD)	1050403-MSD2	1E12050-107	05/12/21 11:31	
USMPDI-035SG-210504	A1E0231-04RE1	1E12050-105	05/12/21 11:31	

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.

METHOD BLANK DATA SHEET

D7511-12

Laboratory: Apex Laboratories SDG: A1E0231
Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4
Matrix: Soil Laboratory ID: 1050296-BLK1 File ID: 1E12050-021
Prepared: 05/10/21 09:53 Preparation: ASTM D7511-12mod (S) Initial/Final: 2.5 g / 50 mL
Analyzed: 05/12/21 11:53 Instrument: OIA FS3000-2
Batch: 1050296 Sequence: 1E12050 Calibration: A1E1202

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

METHOD BLANK DATA SHEET

D7511-12

Laboratory: Apex Laboratories SDG: A1E0231
Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4
Matrix: Soil Laboratory ID: 1050403-BLK1 File ID: 1E12050-065
Prepared: 05/12/21 11:31 Preparation: ASTM D7511-12mod (S) Initial/Final: 2.5 g / 50 mL
Analyzed: 05/12/21 13:33 Instrument: OIA FS3000-2
Batch: 1050403 Sequence: 1E12050 Calibration: A1E1202

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: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 1050296

Laboratory ID: 1050296-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	0.372	93	84 - 116

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 1050403

Laboratory ID: 1050403-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	0.398	100	84 - 116

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USMPDI-035SG-210504

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 1050403

Laboratory ID: 1050403-MS2

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5715 g / 50 mL

Source Sample Name: USMPDI-035SG-210504

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. (* = Out)	QC LIMITS REC.
Total Cyanide	0.798	0.688	1.27	72	64 - 136

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USMPDI-035SG-210504

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 1050403

Laboratory ID: 1050403-MSD2

Preparation: ASTM D7511-12mod (S)

Initial/Final: 2.5535 g / 50 mL

Source Sample Name: USMPDI-035SG-210504

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS	
					RPD	REC.
Total Cyanide	0.804	1.27	72	0.1	47	64 - 136

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1E12050

Instrument: OIA FS3000-2

Matrix: Soil

Calibration: A1E1202

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E12050-CAL2	1E12050-008	05/12/21 11:27
Cal Standard	1E12050-CAL3	1E12050-009	05/12/21 11:29
Cal Standard	1E12050-CAL4	1E12050-011	05/12/21 11:33
Cal Standard	1E12050-CAL5	1E12050-012	05/12/21 11:35
Cal Standard	1E12050-CAL6	1E12050-014	05/12/21 11:39
Cal Standard	1E12050-CAL7	1E12050-015	05/12/21 11:41
Initial Cal Check	1E12050-ICV1	1E12050-017	05/12/21 11:45
Initial Cal Blank	1E12050-ICB1	1E12050-018	05/12/21 11:47
Blank	1050296-BLK1	1E12050-021	05/12/21 11:53
LCS	1050296-BS1	1E12050-022	05/12/21 11:55
Calibration Check	1E12050-CCV1	1E12050-034	05/12/21 12:19
Calibration Blank	1E12050-CCB1	1E12050-035	05/12/21 12:21
Calibration Check	1E12050-CCV2	1E12050-051	05/12/21 12:53
Calibration Blank	1E12050-CCB2	1E12050-052	05/12/21 12:55
USMPDI-030SG-210504	A1E0231-02	1E12050-061	05/12/21 13:13
USMPDI-031SG-210504	A1E0231-03	1E12050-062	05/12/21 13:15
Blank	1050403-BLK1	1E12050-065	05/12/21 13:33
LCS	1050403-BS1	1E12050-066	05/12/21 13:35
Calibration Check	1E12050-CCV3	1E12050-070	05/12/21 13:43
Calibration Blank	1E12050-CCB3	1E12050-071	05/12/21 13:45
Calibration Check	1E12050-CCV4	1E12050-087	05/12/21 14:17
Calibration Blank	1E12050-CCB4	1E12050-088	05/12/21 14:19
USMPDI-028SG-210504	A1E0231-01RE1	1E12050-099	05/12/21 14:41
Calibration Check	1E12050-CCV5	1E12050-102	05/12/21 15:00
Calibration Blank	1E12050-CCB5	1E12050-103	05/12/21 15:02
USMPDI-035SG-210504	A1E0231-04RE1	1E12050-105	05/12/21 15:06
USMPDI-035SG-210504 (MS)	1050403-MS2	1E12050-106	05/12/21 15:08
USMPDI-035SG-210504 (MSD)	1050403-MSD2	1E12050-107	05/12/21 15:10
Calibration Check	1E12050-CCV6	1E12050-113	05/12/21 15:22
Calibration Blank	1E12050-CCB6	1E12050-114	05/12/21 15:24

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

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

INITIAL CALIBRATION DATA (Summary)

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1E1202

Date: 05/12/21 10:38

Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	47799.69	Q **	15.4652				0.9998041		

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: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1E1202

Instrument: OIA FS3000-2

Calibration Date: 05/12/21 10:38

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	51580	2	59352.5	5	50446.8	10	43778.1	25	42381.12	50	39259.64

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: OIA FS3000-2

Calibration: A1E1202

Control Limit: +/- 10.00%

Sequence: 1E12050

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1E12050-ICV1	Total Cyanide	25.0	23.2	93	ug/L	D7511-12
1E12050-CCV1	Total Cyanide	25.0	27.0	108	ug/L	D7511-12
1E12050-CCV2	Total Cyanide	25.0	24.1	96	ug/L	D7511-12
1E12050-CCV3	Total Cyanide	25.0	26.4	105	ug/L	D7511-12
1E12050-CCV4	Total Cyanide	25.0	26.3	105	ug/L	D7511-12
1E12050-CCV5	Total Cyanide	25.0	26.8	107	ug/L	D7511-12
1E12050-CCV6	Total Cyanide	25.0	27.0	108	ug/L	D7511-12

* Values outside of QC limits

INSTRUMENT BLANKS

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Instrument ID: OIA FS3000-2

Project: US Moorings -- C2, C3, C4

Sequence: 1E12050

Calibration: A1E1202

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1E12050-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E12050-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E12050-CCB2	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E12050-CCB3	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E12050-CCB4	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E12050-CCB5	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E12050-CCB6	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12

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

HOLDING TIME SUMMARY

D7511-12

Laboratory: Apex Laboratories

SDG: A1E0231

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-028SG-210504	05/04/21 00:00	05/05/21 10:15	05/10/21 09:53	6.41	14.00	05/12/21 14:41	8.61	14.00	
USMPDI-030SG-210504	05/04/21 00:00	05/05/21 10:15	05/10/21 09:53	6.41	14.00	05/12/21 13:13	8.55	14.00	
USMPDI-031SG-210504	05/04/21 00:00	05/05/21 10:15	05/10/21 09:53	6.41	14.00	05/12/21 13:15	8.55	14.00	
USMPDI-035SG-210504	05/04/21 00:00	05/05/21 10:15	05/12/21 11:31	8.48	14.00	05/12/21 15:06	8.63	14.00	

Apex Laboratories

SDG: A1E0231

CLASS: WET

METHOD: PSEP_SM 5310B MOD

ANALYSES DATA PACKAGE COVER PAGE

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-028SG-210504</u>	<u>A1E0231-01</u>	<u>SE</u>
<u>USMPDI-030SG-210504</u>	<u>A1E0231-02</u>	<u>SE</u>
<u>USMPDI-031SG-210504</u>	<u>A1E0231-03</u>	<u>SE</u>
<u>USMPDI-035SG-210504</u>	<u>A1E0231-04</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:

6/18/2021 12:27PM

Title:

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

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-028SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-01RE1

File ID: 1E17045-4

Sampled: 05/04/21 00:00

Prepared: 05/13/21 10:40

Analyzed: 05/17/21 11:47

Solids: 45.01

Preparation: PSEP-5310B TOC

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

Batch: 1050456

Sequence: 1E17045

Calibration: A0H1904

Instrument: TOC6

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

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-030SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-02RE1

File ID: 1E17045-5

Sampled: 05/04/21 00:00

Prepared: 05/13/21 10:40

Analyzed: 05/17/21 11:58

Solids: 57.73

Preparation: PSEP-5310B TOC

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

Batch: 1050456

Sequence: 1E17045

Calibration: A0H1904

Instrument: TOC6

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

INORGANIC ANALYSIS DATA SHEET
PSEP_SM 5310B MOD

USMPDI-031SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-03RE1

File ID: 1E17045-6

Sampled: 05/04/21 00:00

Prepared: 05/13/21 10:40

Analyzed: 05/17/21 12:09

Solids: 44.29

Preparation: PSEP-5310B TOC

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

Batch: 1050456

Sequence: 1E17045

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-035SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-04

File ID: 1E17045-7

Sampled: 05/04/21 00:00

Prepared: 05/13/21 10:40

Analyzed: 05/17/21 12:19

Solids: 48.71

Preparation: PSEP-5310B TOC

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

Batch: 1050456

Sequence: 1E17045

Calibration: A0H1904

Instrument: TOC6

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

PREPARATION BATCH SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 1050456 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050456-BLK1	1E14029-4	05/13/21 10:40	
LCS	1050456-BS1	1E14029-5	05/13/21 10:40	
USMPDI-028SG-210504	A1E0231-01RE1	1E17045-4	05/13/21 10:40	
USMPDI-030SG-210504	A1E0231-02RE1	1E17045-5	05/13/21 10:40	
USMPDI-031SG-210504	A1E0231-03RE1	1E17045-6	05/13/21 10:40	
USMPDI-035SG-210504	A1E0231-04	1E17045-7	05/13/21 10:40	

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>A1E0231</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Client: <u>Anchor QEA, LLC</u>	Laboratory ID: <u>1050456-BLK1</u>	File ID: <u>1E14029-4</u>
Matrix: <u>Soil</u>	Preparation: <u>PSEP-5310B TOC</u>	Initial/Final: <u>0.2 N/A / 0.2 N/A</u>
Prepared: <u>05/13/21 10:40</u>	Instrument: <u>TOC6</u>	
Analyzed: <u>05/14/21 16:17</u>	Sequence: <u>1E14029</u>	Calibration: <u>A0H1904</u>
Batch: <u>1050456</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: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Soil

Batch: 1050456

Laboratory ID: 1050456-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	9900	99	88 - 111

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY
PSEP_SM 5310B MOD

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Sequence: <u>0H18059</u>	Instrument: <u>TOC6</u>
Matrix: <u>Soil</u>	Calibration: <u>A0H1904</u>

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: <u>Apex Laboratories</u>	SDG: <u>A1E0231</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Sequence: <u>1E14029</u>	Instrument: <u>TOC6</u>
Matrix: <u>Soil</u>	Calibration: <u>A0H1904</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E14029-CCV1	1E14029-2	05/14/21 15:56
Calibration Blank	1E14029-CCB1	1E14029-3	05/14/21 16:06
Blank	1050456-BLK1	1E14029-4	05/14/21 16:17
LCS	1050456-BS1	1E14029-5	05/14/21 16:28
Calibration Check	1E14029-CCV2	1050456-7	05/14/21 18:27
Calibration Blank	1E14029-CCB2	1050456-8	05/14/21 18:37

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

ANALYSIS BATCH (SEQUENCE) SUMMARY
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1E17045

Instrument: TOC6

Matrix: Soil

Calibration: A0H1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E17045-CCV1	1E17045-2	05/17/21 11:25
Calibration Blank	1E17045-CCB1	1E17045-3	05/17/21 11:36
USMPDI-028SG-210504	A1E0231-01RE1	1E17045-4	05/17/21 11:47
USMPDI-030SG-210504	A1E0231-02RE1	1E17045-5	05/17/21 11:58
USMPDI-031SG-210504	A1E0231-03RE1	1E17045-6	05/17/21 12:09
USMPDI-035SG-210504	A1E0231-04	1E17045-7	05/17/21 12:19
Calibration Check	1E17045-CCV2	1E17045-14	05/17/21 13:35
Calibration Blank	1E17045-CCB2	1E17045-15	05/17/21 13:46

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

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

INITIAL CALIBRATION DATA (Summary)

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

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: A1E0231

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

INITIAL CALIBRATION DATA (Continued)

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

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								

INITIAL AND CONTINUING CALIBRATION CHECK

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

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: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: TOC6

Calibration: A0H1904

Control Limit: +/- 10.00%

Sequence: 1E14029

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1E14029-CCV1	Total Organic Carbon	10000	9900	99	mg/kg	SEP_SM 5310B MOI
1E14029-CCV2	Total Organic Carbon	10000	9800	98	mg/kg	SEP_SM 5310B MOI

* Values outside of OC limits

INITIAL AND CONTINUING CALIBRATION CHECK

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: TOC6

Calibration: A0H1904

Control Limit: +/- 10.00%

Sequence: 1E17045

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1E17045-CCV1	Total Organic Carbon	10000	9600	96	mg/kg	SEP_SM 5310B MOI
1E17045-CCV2	Total Organic Carbon	10000	9600	96	mg/kg	SEP_SM 5310B MOI

* Values outside of OC limits

INSTRUMENT BLANKS
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Instrument ID: TOC6

Project: US Moorings -- C2, C3, C4

Sequence: 0H18059

Calibration: A0H1904

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: A1E0231

Client: Anchor QEA, LLC

Instrument ID: TOC6

Project: US Moorings -- C2, C3, C4

Sequence: 1E14029

Calibration: A0H1904

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1E14029-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
1E14029-CCB2	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: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: TOC6

Calibration: A0H1904

Sequence: 1E17045

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1E17045-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
1E17045-CCB2	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: A1E0231

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-028SG-210504	05/04/21 00:00	05/05/21 10:15	05/13/21 10:40	9.44	14.00	05/17/21 11:47	13.49	14.00	
USMPDI-030SG-210504	05/04/21 00:00	05/05/21 10:15	05/13/21 10:40	9.44	14.00	05/17/21 11:58	13.50	14.00	
USMPDI-031SG-210504	05/04/21 00:00	05/05/21 10:15	05/13/21 10:40	9.44	14.00	05/17/21 12:09	13.51	14.00	
USMPDI-035SG-210504	05/04/21 00:00	05/05/21 10:15	05/13/21 10:40	9.44	14.00	05/17/21 12:19	13.51	14.00	

Apex Laboratories

SDG: A1E0231

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
<u>USMPDI-028SG-210504</u>	<u>A1E0231-01</u>	<u>SE</u>
<u>USMPDI-030SG-210504</u>	<u>A1E0231-02</u>	<u>SE</u>
<u>USMPDI-031SG-210504</u>	<u>A1E0231-03</u>	<u>SE</u>
<u>USMPDI-035SG-210504</u>	<u>A1E0231-04</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:

6/18/2021 12:27PM

Title:

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories

SDG: A1E0231

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-028SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-01

Sampled: 05/04/21 00:00

Prepared: 05/07/21 16:26

Analyzed: 05/11/21 12:20

Solids: 45.01

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 1050259

Calibration:

Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	45.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-030SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-02

Sampled: 05/04/21 00:00

Prepared: 05/07/21 16:26

Analyzed: 05/11/21 12:20

Solids: 57.73

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 1050259

Calibration:

Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	57.7	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-031SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-03

Sampled: 05/04/21 00:00

Prepared: 05/07/21 16:26

Analyzed: 05/11/21 12:20

Solids: 44.29

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 1050259

Calibration:

Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	44.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-035SG-210504

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: SE

Laboratory ID: A1E0231-04

Sampled: 05/04/21 00:00

Prepared: 05/07/21 16:26

Analyzed: 05/11/21 12:20

Solids: 48.71

Preparation: Total Solids (SM2540G/PSEP)

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

Batch: 1050259

Calibration:

Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	48.7	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 1050259

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
USMPDI-028SG-210504 (Dup)	1050259-DUP2		05/07/21 16:26	
USMPDI-028SG-210504	A1E0231-01		05/07/21 16:26	
USMPDI-030SG-210504	A1E0231-02		05/07/21 16:26	
USMPDI-031SG-210504	A1E0231-03		05/07/21 16:26	
USMPDI-035SG-210504	A1E0231-04		05/07/21 16:26	

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

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

DUPLICATES

USMPDI-028SG-210504

SM 2540 G

Laboratory: Apex Laboratories

SDG: A1E0231

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Sediment

Laboratory ID: 1050259-DUP2

Batch: 1050259

Lab Source ID: A1E0231-01

Preparation: Total Solids (SM2540G/PSEP)

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

Source Sample Name: USMPDI-028SG-210504

% Solids: 45.01

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
Total Solids	10	45.0		45.0		0.09		SM 2540 G

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: A1E0231

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-028SG-210504	05/04/21 00:00	05/05/21 10:15	05/07/21 16:26	3.68	14.00	05/11/21 12:20	3.83		
USMPDI-030SG-210504	05/04/21 00:00	05/05/21 10:15	05/07/21 16:26	3.68	14.00	05/11/21 12:20	3.83		
USMPDI-031SG-210504	05/04/21 00:00	05/05/21 10:15	05/07/21 16:26	3.68	14.00	05/11/21 12:20	3.83		
USMPDI-035SG-210504	05/04/21 00:00	05/05/21 10:15	05/07/21 16:26	3.68	14.00	05/11/21 12:20	3.83		

Raw Data

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

Batch 1060443
Sequence 1F10034 (A1E0231-02RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1060443 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	1060443-BLK1	QC	05/17/21 07:23	11	10				100				
	1060443-BS1	QC	05/17/21 07:23	10	10	A21E181		100	100				
	A1E0225-12RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.06	10				100	USMPDI-031SC-A-03-04-210504	From 1050545 by gwh on 06/09/21		
	1060443-DUP1	QC	05/17/21 07:23	10.1	10		A1E0225-12RE1		100				
	A1E0225-13RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.17	10				100	USMPDI-031SC-A-04-05-210504	From 1050545 by gwh on 06/09/21		
	A1E0225-16RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.45	10				100	USMPDI-035SC-A-01-02-210504	From 1050545 by gwh on 06/09/21		
	A1E0225-17RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.4	10				100	USMPDI-035SC-A-02-03-210504	From 1050545 by gwh on 06/09/21		
	A1E0225-18RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.15	10				100	USMPDI-035SC-A-03-04-210504	From 1050545 by gwh on 06/09/21		
	A1E0225-19RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.45	10				100	USMPDI-035SC-A-04-05-210504	From 1050545 by gwh on 06/09/21		
	A1E0231-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.34	10				100	USMPDI-028SG-210504	From 1050545 by gwh on 06/09/21		
	A1E0231-01RE2	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.34	10				100	USMPDI-028SG-210504	Added 6/10/2021 by gwh		
	A1E0231-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.17	10				100	USMPDI-030SG-210504	From 1050545 by gwh on 06/09/21		
	A1E0231-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.24	10				100	USMPDI-031SG-210504	From 1050545 by gwh on 06/09/21		
	A1E0231-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.06	10				100	USMPDI-035SG-210504	From 1050545 by gwh on 06/09/21		
	1060443-MS1	QC	05/17/21 07:23	10.13	10	A21E181	A1E0231-04RE1	100	100				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A21A347	07/25/21	DCM lot # 207252	A21E181	11/03/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A21E205	10/22/21	8082 PCB Surrogate Spike
A21C176	09/12/22	n-Hexane Lot# 207249						
A21D256	01/01/25	GPC-1						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

MJB
Analyst Review: _____ Date 6/14/21

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1060443 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

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

From 1050545 on 6/9/2021 by gwh

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Analyst Review: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1060443 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-11	>11
	1060443-BLK1	QC	05/17/21 07:23	11	5				100					
	1060443-BS1	QC	05/17/21 07:23	10	5	A21E181		100	100					
	A1E0225-12RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.06	5				100	USMPDI-031SC-A-03-04-210504	From 1050545 by gwh on 06/09/21			
	1060443-DUP1	QC	05/17/21 07:23	10.1	5		A1E0225-12RE1		100					
	A1E0225-13RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.17	5				100	USMPDI-031SC-A-04-05-210504	From 1050545 by gwh on 06/09/21			
	A1E0225-16RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.45	5				100	USMPDI-035SC-A-01-02-210504	From 1050545 by gwh on 06/09/21			
	A1E0225-17RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.4	5				100	USMPDI-035SC-A-02-03-210504	From 1050545 by gwh on 06/09/21			
	A1E0225-18RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.15	5				100	USMPDI-035SC-A-03-04-210504	From 1050545 by gwh on 06/09/21			
	A1E0225-19RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.45	5				100	USMPDI-035SC-A-04-05-210504	From 1050545 by gwh on 06/09/21			
	A1E0231-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.34	5				100	USMPDI-028SG-210504	From 1050545 by gwh on 06/09/21			
26	A1E0231-01RE2	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23 7/10/21	10.34	5				100	USMPDI-028SG-210504	Added 6/10/2021 by gwh 1ml 2ml			
	A1E0231-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.17	5				100	USMPDI-030SG-210504	From 1050545 by gwh on 06/09/21			
	A1E0231-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.24	5				100	USMPDI-031SG-210504	From 1050545 by gwh on 06/09/21			
	A1E0231-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.06	5				100	USMPDI-035SG-210504	From 1050545 by gwh on 06/09/21			
	1060443-MS1	QC	05/17/21 07:23	10.13	5	A21E181	A1E0231-04RE1	100	100					

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A21A347	07/25/21	DCM lot # 207252	A21E181	11/03/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A21E205	10/22/21	8082 PCB Surrogate Spike
A21C176	09/12/22	n-Hexane Lot# 207249						
A21D256	01/01/25	GPC-1						

Prepared By: JAG Date: 6/14/21
 Reviewed By: CAS Date: 06/14/21
 Analyst Review: MB Date: 6/14/21

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1060443 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

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

From 1050545 on 6/9/2021 by gwh

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Analyst Review: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1060443 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

in | out

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction	Comments	pH		
													<2	2-11	>11
3	1060443-BLK1	QC	05/17/21 07:23	11	5/10				100		1mL	2mL			
21	1060443-BS1	QC	05/17/21 07:23	10	5/10	A21E181		100	100		1mL	2mL			
5	A1E0225-12RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.06	5/10				100	USMPDI-031SC-A-03-04-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
6	1060443-DUP1	QC	05/17/21 07:23	10.1	5/10		A1E0225-12RE1		100			1mL	2mL		
7	A1E0225-13RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.17	5/10				100	USMPDI-031SC-A-04-05-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
8	A1E0225-16RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.45	5/10				100	USMPDI-035SC-A-01-02-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
9	A1E0225-17RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.4	5/10				100	USMPDI-035SC-A-02-03-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
10	A1E0225-18RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.15	5/10				100	USMPDI-035SC-A-03-04-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
11	A1E0225-19RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.45	5/10				100	USMPDI-035SC-A-04-05-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
12	A1E0231-01RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.34	5/10	MB 6/14/21			100	USMPDI-028SG-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
13	A1E0231-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.17	5/10				100	USMPDI-030SG-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
14	A1E0231-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.24	5/10				100	USMPDI-031SG-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
15	A1E0231-04RE1	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/20 07:23	10.06	5/10				100	USMPDI-035SG-210504	From 1050545 by gwh on 06/09/21	1mL	2mL		
16	1060443-MSI	QC	05/17/21 07:23	10.13	5/10	A21E181	A1E0231-04RE1	100	100			1mL	2mL		

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A21A347	07/25/21	DCM lot # 207252	A21E181	11/03/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A21E205	10/22/21	8082 PCB Surrogate Spike
A21C176	09/12/22	n-Hexane Lot# 207249						
A21D256	01/01/25	GPC-1						

From 1050545 on 6/9/2021 by gwh

* = Turbo Vap broke. Sample to be re-run.

Prepared By: CEM Date: 6/9/21
 Reviewed By: MB Date: 6/14/21
 Analyst Review: [Signature] Date: 6/14/21



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1050545 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

- SCA 05/17/2021

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
1	1050545-BLK1	QC	05/17/21 07:23	11	5				100				
2	1050545-BS1	QC	05/17/21 07:23	10	5	A21E181		100	100				
3	A1E0225-12	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.34 10.06	5				100	USMPDI-031SC-A-03-04-210504	MUD/CLAY, D, (S)		
4	1050545-DUP1	QC	05/17/21 07:23	10.34 10.17	5		A1E0225-12		100		* (S)		
5	A1E0225-13	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10.34 10.17	5				100	USMPDI-031SC-A-04-05-210504	MUD/CLAY (PD), (S)		
6	A1E0225-16	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10 10.45	5				100	USMPDI-035SC-A-01-02-210504	MUD, (S)		
7	A1E0225-17	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10 10.40	5				100	USMPDI-035SC-A-02-03-210504	MUD, (S)		
8	A1E0225-18	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10 10.15	5				100	USMPDI-035SC-A-03-04-210504	MUD, (S)		
9	A1E0225-19	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10 10.45	5				100	USMPDI-035SC-A-04-05-210504	MUD, (S)		
10	A1E0231-01	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10 10.34	5				100	USMPDI-028SG-210504	MUD, (S)		
11	A1E0231-02	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10 10.17	5				100	USMPDI-030SG-210504	MUD, ORG, (S)		
12	A1E0231-03	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10 10.24	5				100	USMPDI-031SG-210504	MUD, (S)		
13	A1E0231-04	A 8081B 2,4+4,4-DDx Only (+Add)	05/17/21 07:23	10 10.30 10.06	5				100	USMPDI-035SG-210504	MUD, * (S)		
14	1050545-MS1	QC	05/17/21 07:23	10 10.13	5	A21E181	A1E0231-04	100	100		D (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	A21E181	11/03/21	2,4 + 4,4 DDx Pesticide Matrix Spike	A21D309	09/26/21	8082 PCB Surrogate Spike
A17E426	08/26/21	Mars-4 Microwave				A21E205	10/27/21	
A20J185	04/10/26	Glass Wool						
A21A347	07/25/21	DCM lot # 207252						
A21E056	11/01/21	Sodium Sulfate Lot # 205913						
A20I319	03/21/23	DCM lot # 201490						

MEB 5/17/21

MEB

MEB

* = Re-extracted w/ associated dryout.

D = Dryout in microwave. Re-microwaved / microwave

(PD) = Partial dryout in microwave

(S) = Steaming on turbopump tube

Prepared By: MEB Date: 5/17/21

Reviewed By: [Signature] Date: 05-17-2021

Analyst Review: MJB Date: 6/14/21

SCA Date: 05/17/2021

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050545 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-9	>11

Method 3546 digestion time and temperature achieved.

Initial: see

Witness: JAG 5/17/21

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Analyst Review: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **1F10034**

Instrument: **DUALECD3**

Date: **06/10/21 08:17**

Calibration: **A1E1407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1F10034-BKD1	Sediment	QC	QC				A21E276
2	1F10034-CCV1	Sediment	QC	QC				A21F092
3	1F10034-CCV2	Sediment	QC	QC				A21C331
4	1F10034-CCB1	Sediment	QC	QC				A21E369
5	1060443-BLK1	Sediment	QC	QC		1060443		
6	1060443-BS1	Sediment	QC	QC		1060443		
7	A1E0225-12RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
8	1060443-DUP1	Sediment	QC	QC		1060443		
9	A1E0225-13RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
10	A1E0225-16RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
11	A1E0225-17RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
12	A1E0225-18RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
13	A1E0225-19RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
14	A1E0231-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
15	1F10034-CCV3	Sediment	QC	QC				A21F093
16	1F10034-CCV4	Sediment	QC	QC				A21C332
17	1F10034-CCB2	Sediment	QC	QC				A21E369
18	1F10034-IBL1	Sediment	QC	QC				

Standard	Description:	Expires:
A21C331	8081 9-42 Pest 50 ppb Calibration (Level 6)	9/25/2021
A21C332	8081 9-42 Pest 100 ppb Calibration (Level 7)	9/25/2021
A21E276	8081 Breakdown Check	11/18/2021
A21E369	8082 Instrument Blank	10/22/2021
A21F092	8081 Mix ABPesticide 50 ppb Calibration (Level 6)	8/22/2021
A21F093	8081 Mix ABPesticide 100 ppb Calibration (Level 7)	8/22/2021

Data Entered By/Date: MJB 6/14/21

Comments:

Data Reviewed By/Date: MKZ 6/14/2021

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1F10034 BKD1
Data File: ECD3-06102103.D

MJB 6/10/21

First Column Area Counts		Percent Breakdown	
DDE	659860		
DDD	8461297		
DDT	104088562	8.06	PASS
Endrin	59414348	17.86	FAIL
Endrin Aldehyde	4320255		
Endrin Ketone	8598909		

DDx Only

Second Column Area Counts		Percent Breakdown	
DDE	494289		
DDD	4651090		
DDT	65261569	7.31	PASS
Endrin	37747043	15.63	FAIL
Endrin Aldehyde	2651316		
Endrin Ketone	4339765		

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\3\data\2021-06\1F10034\
 Data File : ECD3-06102103.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 9:53
 Operator : MJB
 Sample : 1F10034-BKD1
 Misc : A21E276
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/10/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 10 10:21:07 2021
 Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210513RT3.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

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.479	659860	NoCal	ng/mL
2) Endrin	7.855	59414348	NoCal	ng/mL
3) 4,4'-DDD	7.905	8461297	NoCal	ng/mL
4) 4,4'-DDT	8.097	104088562	NoCal	ng/mL
5) Endrin Aldehyde	8.310	4320255	NoCal	ng/mL
6) Endrin Ketone	8.808	8598909	NoCal	ng/mL
8) 4,4'-DDE [2C]	7.958	494289	NoCal	ng/mL
9) Endrin [2C]	8.305	37747043	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.368	4651090	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.688	2651316	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.588	65261569	NoCal	ng/mL
13) Endrin Ketone [2C]	9.262	4339765	NoCal	ng/mL

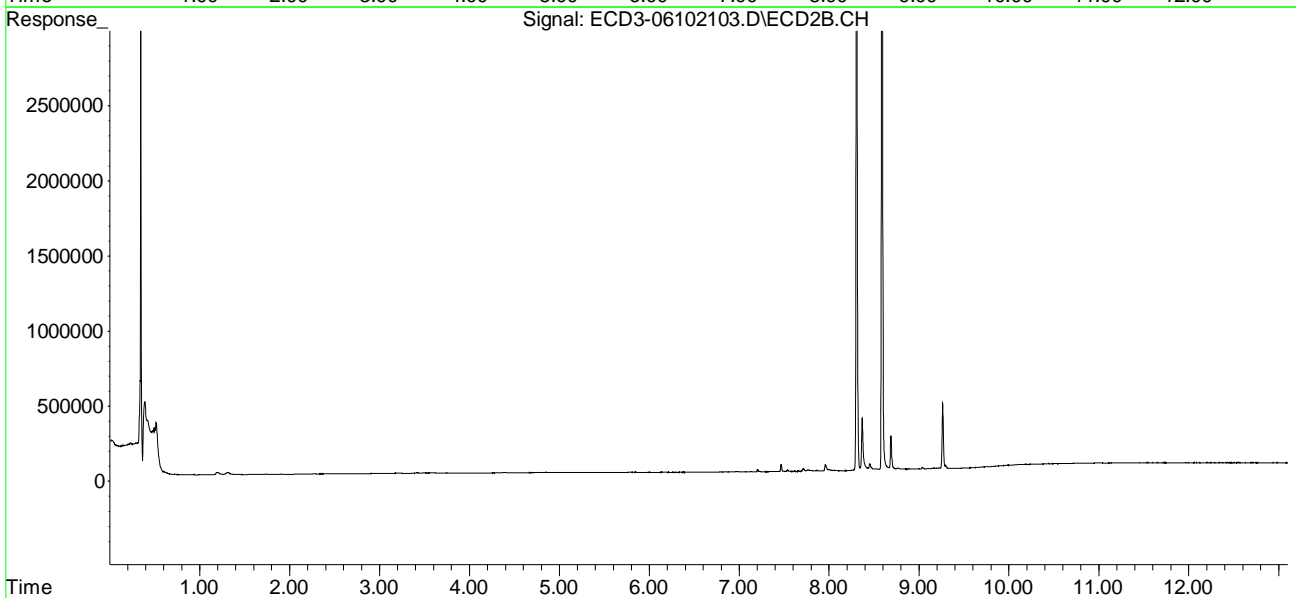
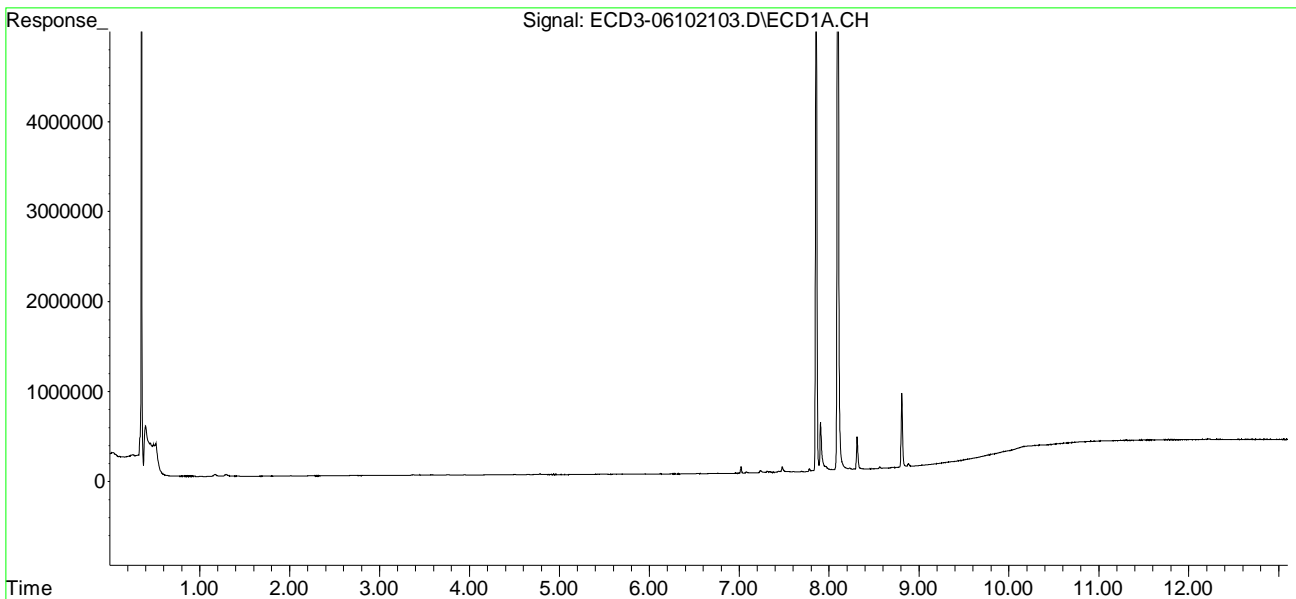
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102103.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 9:53
Operator : MJB
Sample : 1F10034-BKD1
Misc : A21E276
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: Jun 10 10:21:07 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210513RT3.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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102104.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 10:42
 Operator : MJB
 Sample : 1F10034-CCV1
 Misc : A21F092, 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: Jun 10 17:34:04 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.298	5.628	7644280	5112779	44.091	49.949
22) S DCBP (S)	9.486	10.100	5296713	3129934	40.537	47.873
Target Compounds						
2) a-BHC	5.843	6.220	10932274	7422162	46.316	51.408
3) g-BHC	6.128	6.533	9441407	6430068	46.416	51.671
4) b-BHC	6.208	6.603	3761524	2629539	41.527	46.840
5) Heptachlor	6.523	6.903	8581636	5898802	45.369	52.005
6) d-BHC	6.356	6.847	8282667	6197161	44.858	55.897
7) Aldrin	6.761	7.162	9087634	6036676	42.823	48.055
8) Heptachlo...	7.228	7.597	8093994	5306356	43.878	48.475
9) trans-Chl...	7.320	7.736	8144619	5155763	42.269	45.583
10) cis-Chlor...	7.418	7.843	7878425	4958891	43.898	45.111
11) Endosulfa...	7.517	7.888	7426881	4670973	43.306	46.600
12) 4,4'-DDE	7.477	7.955	7685552	5265812	40.419	47.721
13) Dieldrin	7.690	8.086	8402467	5319673	43.889	47.841
14) Endrin	7.856	8.305	6449996	4091519	44.447	48.693
15) 4,4'-DDD	7.902	8.365	6246943	4202555	43.259	49.718
16) Endosulfa...	8.015	8.452	6445877	4272691	44.332	48.565
17) 4,4'-DDT	8.097	8.588	5744399	3836336	50.698	60.228
18) Endrin Al...	8.310	8.687	5522833	3410673	47.702	48.161
19) Endosulfa...	8.612	8.880	6400229	4079826	47.844	56.553
20) Methoxychlor	8.432	9.056	2505060	1768199	44.084	50.341
21) Endrin Ke...	8.809	9.262	7548122	4589687	50.654	55.702
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.681	6.136f	14823	8663	BelowCal	BelowCal
25) Oxychlorane	7.162	7.566	35439	15513	BelowCal	BelowCal
26) 2,4'-DDE	7.228	7.736	8093994	5155763	68.501	72.213
27) trans-Non...	7.418	7.843	7878425	4958891	44.884	47.993
28) 2,4'-DDD	7.605	8.086f	16765	5319673	BelowCal	86.551
29) 2,4'-DDT	7.781	8.365	18383	4202555	BelowCal	82.263

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102104.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 10:42
 Operator : MJB
 Sample : 1F10034-CCV1
 Misc : A21F092, 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: Jun 10 17:34:04 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

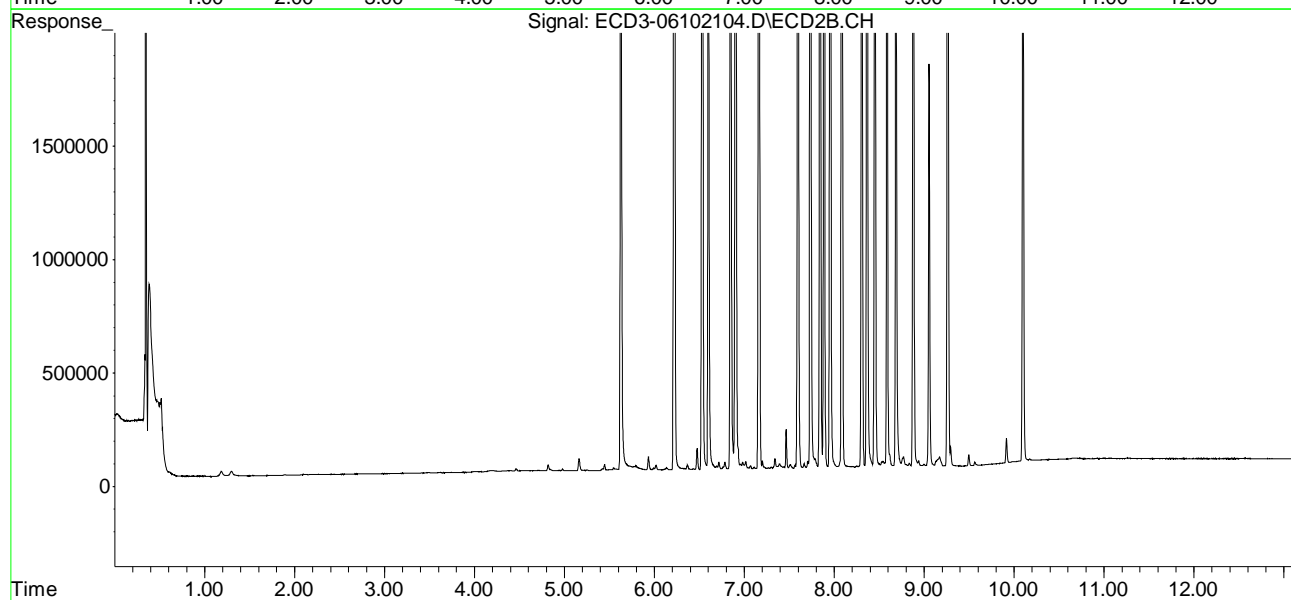
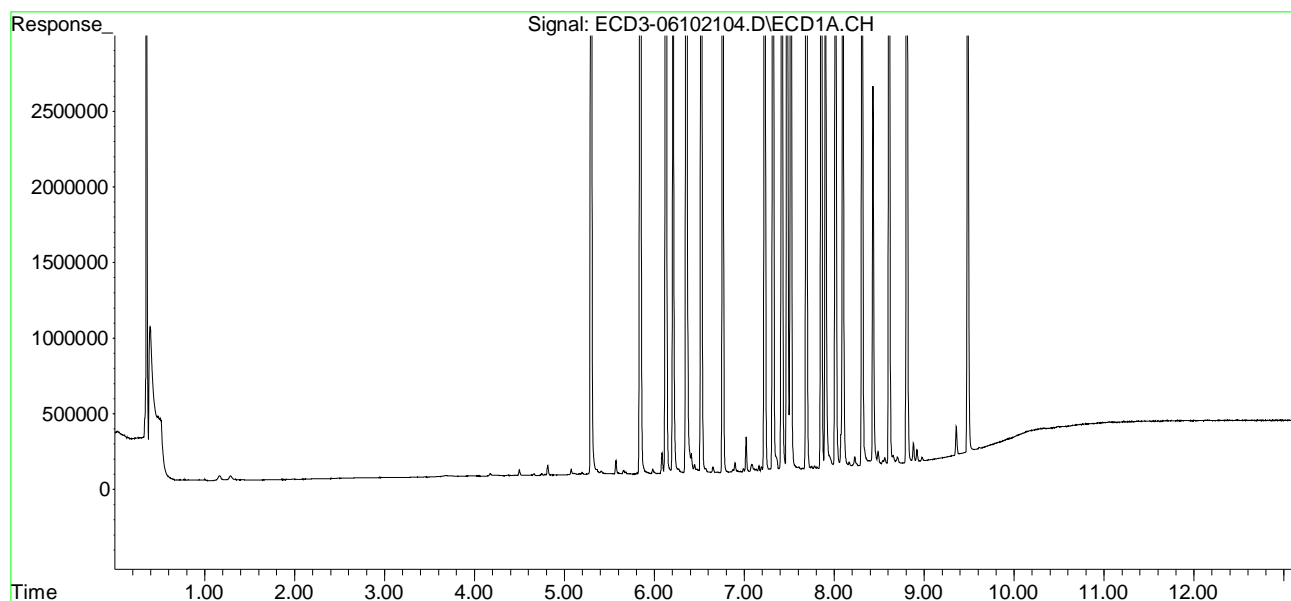
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.902	8.365f	6246943	4202555	34.223	39.610
31)	Mirex	8.541	9.295	24635	83600	BelowCal	0.769
32)	Chlordane...	7.320	7.736	8144619	5155763	372.104	376.026
33)	Chlordane...	7.418	7.843	7878425	4958891	355.628	420.095
34)	Chlordane...	0.000	8.495	0	10932	N.D.	3.268 #
35)	Chlordane...	3.686	0.000	1351	0	NoCal	N.D.
36)	Toxaphene...	7.418	8.086	7878425	5319673	7011.494	4503.022
37)	Toxaphene...	7.690f	8.452	8402467	4272691	4755.006	2812.494 #
38)	Toxaphene...	8.015	8.495	6445877	10932	1757.482	7.593 #
39)	Toxaphene...	0.000	8.544	0	19974	N.D.	BelowCal
40)	Toxaphene...	8.487	8.687f	86994	3410673	40.958	1775.440 #
41)	Toxaphene...	8.562	9.056f	44850	1768199	18.553	939.234 #
42)	Toxaphene...	3.686	0.000	1351	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 10:42
Operator : MJB
Sample : 1F10034-CCV1
Misc : A21F092, 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: Jun 10 17:34:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102104.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 10:42
 Operator : MJB
 Sample : 1F10034-CCV1
 Misc : A21F092, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/10/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 10 17:34:04 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.298	5.628	7644280	5112779	44.091	49.949
22) S DCBP (S)	9.486	10.100	5296713	3129934	40.537	47.873
Target Compounds						
2) a-BHC	5.843	6.220	10932274	7422162	46.316	51.408
3) g-BHC	6.128	6.533	9441407	6430068	46.416	51.671
4) b-BHC	6.208	6.603	3761524	2629539	41.527	46.840
5) Heptachlor	6.523	6.903	8581636	5898802	45.369	52.005
6) d-BHC	6.356	6.847	8282667	6197161	44.858	55.897
7) Aldrin	6.761	7.162	9087634	6036676	42.823	48.055
8) Heptachlo...	7.228	7.597	8093994	5306356	43.878	48.475
9) trans-Chl...	7.320	7.736	8144619	5155763	42.269	45.583
10) cis-Chlor...	7.418	7.843	7878425	4958891	43.898	45.111
11) Endosulfa...	7.517	7.888	7426881	4670973	43.306	46.600
12) 4,4'-DDE	7.477	7.955	7685552	5265812	40.419	47.721
13) Dieldrin	7.690	8.086	8402467	5319673	43.889	47.841
14) Endrin	7.856	8.305	6449996	4091519	44.447	48.693
15) 4,4'-DDD	7.902	8.365	6246943	4202555	43.259	49.718
16) Endosulfa...	8.015	8.452	6445877	4272691	44.332	48.565
17) 4,4'-DDT	8.097	8.588	5744399	3836336	50.698	60.228
18) Endrin Al...	8.310	8.687	5522833	3410673	47.702	48.161
19) Endosulfa...	8.612	8.880	6400229	4079826	47.844	56.553
20) Methoxychlor	8.432	9.056	2505060	1768199	44.084	50.341
21) Endrin Ke...	8.809	9.262	7548122	4589687	50.654	55.702
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.681	6.136f	14823	8663	BelowCal	BelowCal
25) Oxychlorane	7.162	7.566	35439	15513	BelowCal	BelowCal
26) 2,4'-DDE	7.228	7.736	8093994	5155763	68.501	72.213
27) trans-Non...	7.418	7.843	7878425	4958891	44.884	47.993
28) 2,4'-DDD	7.605	8.086f	16765	5319673	BelowCal	86.551
29) 2,4'-DDT	7.781	8.365	18383	4202555	BelowCal	82.263

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102104.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 10:42
 Operator : MJB
 Sample : 1F10034-CCV1
 Misc : A21F092, 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: Jun 10 17:34:04 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

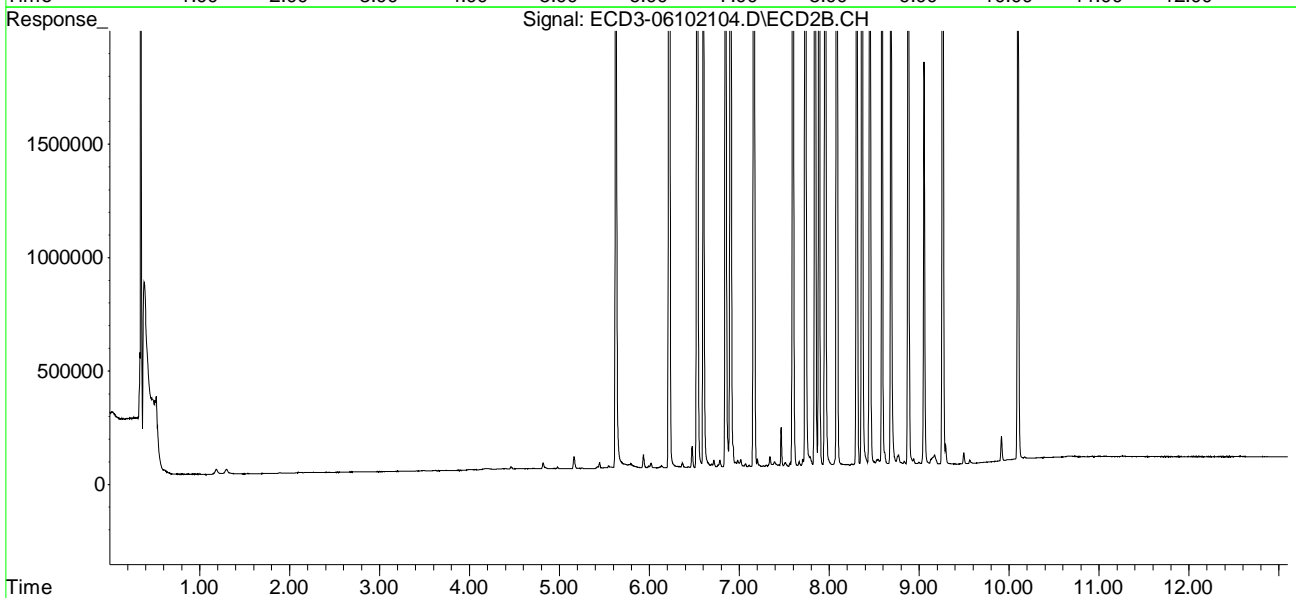
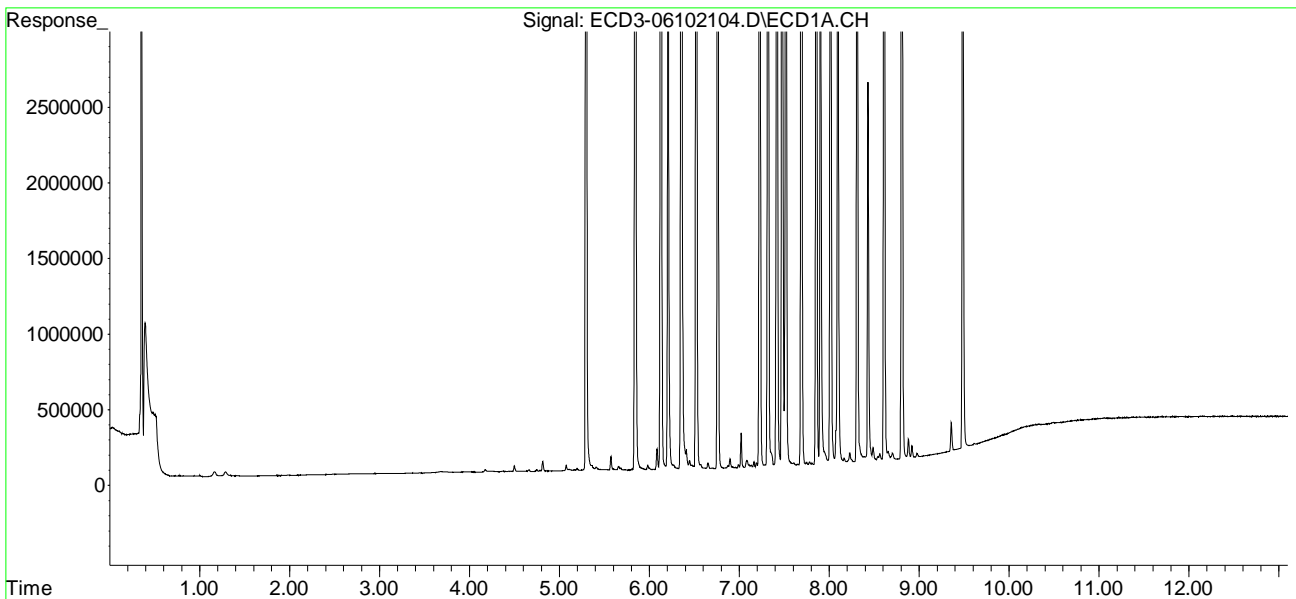
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.902	8.365f	6246943	4202555	34.223	39.610
31)	Mirex	8.541	9.295	24635	83600	BelowCal	0.769
32)	Chlordane...	7.320	7.736	8144619	5155763	372.104	376.026
33)	Chlordane...	7.418	7.843	7878425	4958891	355.628	420.095
34)	Chlordane...	0.000	8.495	0	10932	N.D.	3.268 #
35)	Chlordane...	3.686	0.000	1351	0	NoCal	N.D.
36)	Toxaphene...	7.418	8.086	7878425	5319673	7011.494	4503.022
37)	Toxaphene...	7.690f	8.452	8402467	4272691	4755.006	2812.494 #
38)	Toxaphene...	8.015	8.495	6445877	10932	1757.482	7.593 #
39)	Toxaphene...	0.000	8.544	0	19974	N.D.	BelowCal
40)	Toxaphene...	8.487	8.687f	86994	3410673	40.958	1775.440 #
41)	Toxaphene...	8.562	9.056f	44850	1768199	18.553	939.234 #
42)	Toxaphene...	3.686	0.000	1351	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 10:42
Operator : MJB
Sample : 1F10034-CCV1
Misc : A21F092, 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: Jun 10 17:34:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102105.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 10:59
 Operator : MJB
 Sample : 1F10034-CCV2
 Misc : A21C331, 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: Jun 10 17:36:11 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds							
1) S TCMX (S)	5.270f	0.000	59621	0	0.344	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	6.119	0.000	10727	0	0.053	N.D.	#
4) b-BHC	0.000	6.611	0	7332	N.D.	0.131	#
5) Heptachlor	6.522	6.903	16522	12776	0.087	0.113	
6) d-BHC	0.000	6.858	0	3562	N.D.	0.032	#
7) Aldrin	0.000	7.162	0	4202	N.D.	0.033	#
8) Heptachlo...	7.226	7.637f	4455115	81639	24.152	0.746	#
9) trans-Chl...	7.318	7.731	67917	3251639	0.352	28.748	#
10) cis-Chlor...	7.404	7.804f	7738160	4910181	43.123	44.667	
11) Endosulfa...	7.501	7.910f	61240	35709	0.357	0.356	
12) 4,4'-DDE	7.501f	0.000	61240	0	0.322	N.D.	#
13) Dieldrin	0.000	8.100	0	2649207	N.D.	23.825	#
14) Endrin	7.878f	8.319	7984654	2567794	55.022	30.559	#
15) 4,4'-DDD	7.878f	8.359	7984654	5103422	55.293	60.375	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.305	8.698	14547	4900	5773.460	8826.920	#
19) Endosulfa...	8.588f	0.000	28968	0	0.217	N.D.	#
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	0.000	9.250	0	2955628	N.D.	35.871	#
23) Hexachlor...	3.096	3.350	7447319	5482976	44.055	45.542	
24) Hexachlor...	5.680	6.090f	7273287	4436406	43.118	44.531	
25) Oxychlorane	7.151	7.529f	6506205	4278194	43.796	48.630	
26) 2,4'-DDE	7.226	7.731	4455115	3251639	37.737	45.607	
27) trans-Non...	7.404	7.804f	7738160	4910181	44.090	47.519	
28) 2,4'-DDD	7.602	8.100	3800768	2649207	37.781	43.743	
29) 2,4'-DDT	7.780	8.319	3779157	2567794	45.061	51.591	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102105.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 10:59
 Operator : MJB
 Sample : 1F10034-CCV2
 Misc : A21C331, 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: Jun 10 17:36:11 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

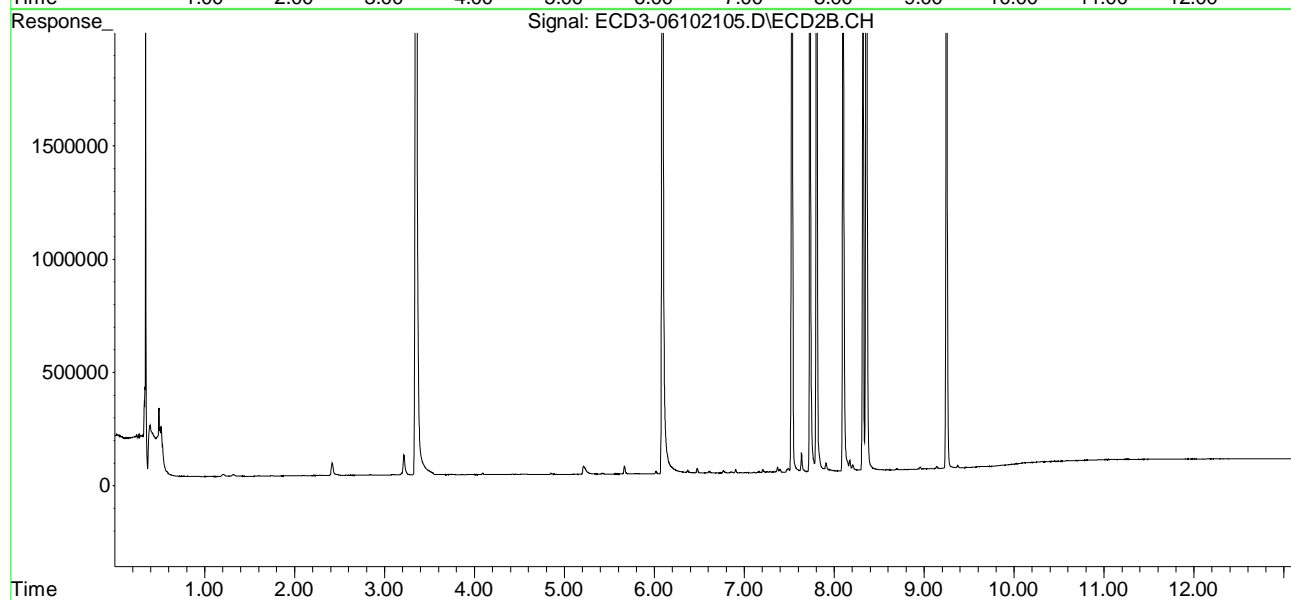
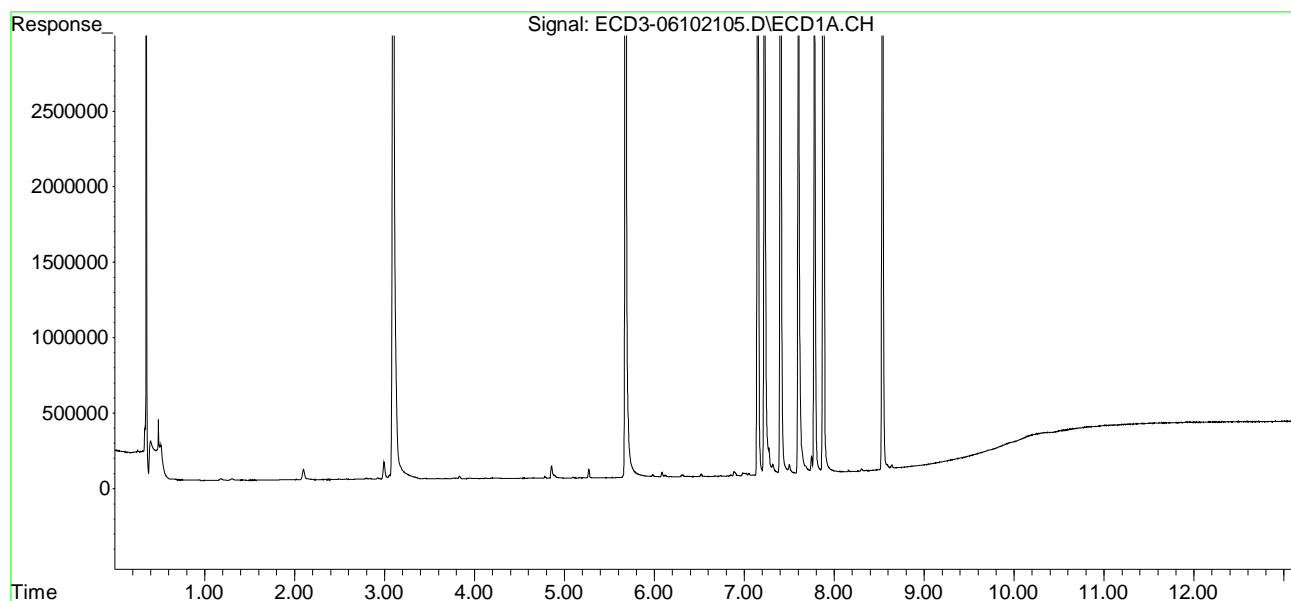
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.878	8.359f	7984654	5103422	43.681	48.142
31)	Mirex	8.537	9.250f	4985884	2955628	45.275	47.394
32)	Chlordane...	7.318	7.731	67917	3251639	3.103	237.152 #
33)	Chlordane...	7.404	0.000	7738160	0	349.297	N.D. #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.404	8.100	7738160	2649207	6909.990	2242.514 #
37)	Toxaphene...	7.749f	0.000	109721	0	62.092	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.305f	0.000	14547	0	0.601	N.D. #
40)	Toxaphene...	8.537f	8.698f	4985884	4900	1753.695	2.551 #
41)	Toxaphene...	8.588f	0.000	28968	0	12.752	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 10:59
Operator : MJB
Sample : 1F10034-CCV2
Misc : A21C331, 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: Jun 10 17:36:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102105.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 10:59
 Operator : MJB
 Sample : 1F10034-CCV2
 Misc : A21C331, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/10/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 10 17:36:11 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds							
1) S TCMX (S)	5.270f	0.000	59621	0	0.344	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	6.119	0.000	10727	0	0.053	N.D.	#
4) b-BHC	0.000	6.611	0	7332	N.D.	0.131	#
5) Heptachlor	6.522	6.903	16522	12776	0.087	0.113	
6) d-BHC	0.000	6.858	0	3562	N.D.	0.032	#
7) Aldrin	0.000	7.162	0	4202	N.D.	0.033	#
8) Heptachlo...	7.226	7.637f	4455115	81639	24.152	0.746	#
9) trans-Chl...	7.318	7.731	67917	3251639	0.352	28.748	#
10) cis-Chlor...	7.404	7.804f	7738160	4910181	43.123	44.667	
11) Endosulfa...	7.501	7.910f	61240	35709	0.357	0.356	
12) 4,4'-DDE	7.501f	0.000	61240	0	0.322	N.D.	#
13) Dieldrin	0.000	8.100	0	2649207	N.D.	23.825	#
14) Endrin	7.878f	8.319	7984654	2567794	55.022	30.559	#
15) 4,4'-DDD	7.878f	8.359	7984654	5103422	55.293	60.375	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.305	8.698	14547	4900	5773.460	8826.920	#
19) Endosulfa...	8.588f	0.000	28968	0	0.217	N.D.	#
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	0.000	9.250	0	2955628	N.D.	35.871	#
23) Hexachlor...	3.096	3.350	7447319	5482976	44.055	45.542	
24) Hexachlor...	5.680	6.090f	7273287	4436406	43.118	44.531	
25) Oxychlorane	7.151	7.529f	6506205	4278194	43.796	48.630	
26) 2,4'-DDE	7.226	7.731	4455115	3251639	37.737	Q-3145.607	
27) trans-Non...	7.404	7.804f	7738160	4910181	44.090	47.519	
28) 2,4'-DDD	7.602	8.100	3800768	2649207	37.781	Q-3143.743	
29) 2,4'-DDT	7.780	8.319	3779157	2567794	45.061	51.591	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102105.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 10:59
 Operator : MJB
 Sample : 1F10034-CCV2
 Misc : A21C331, 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: Jun 10 17:36:11 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

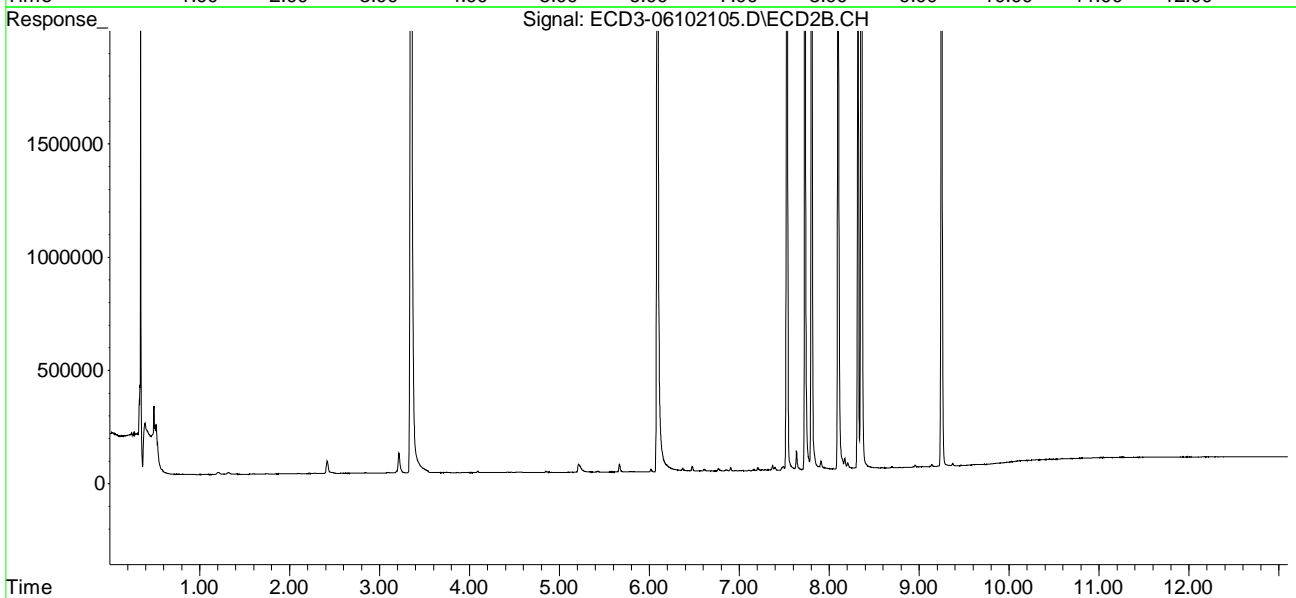
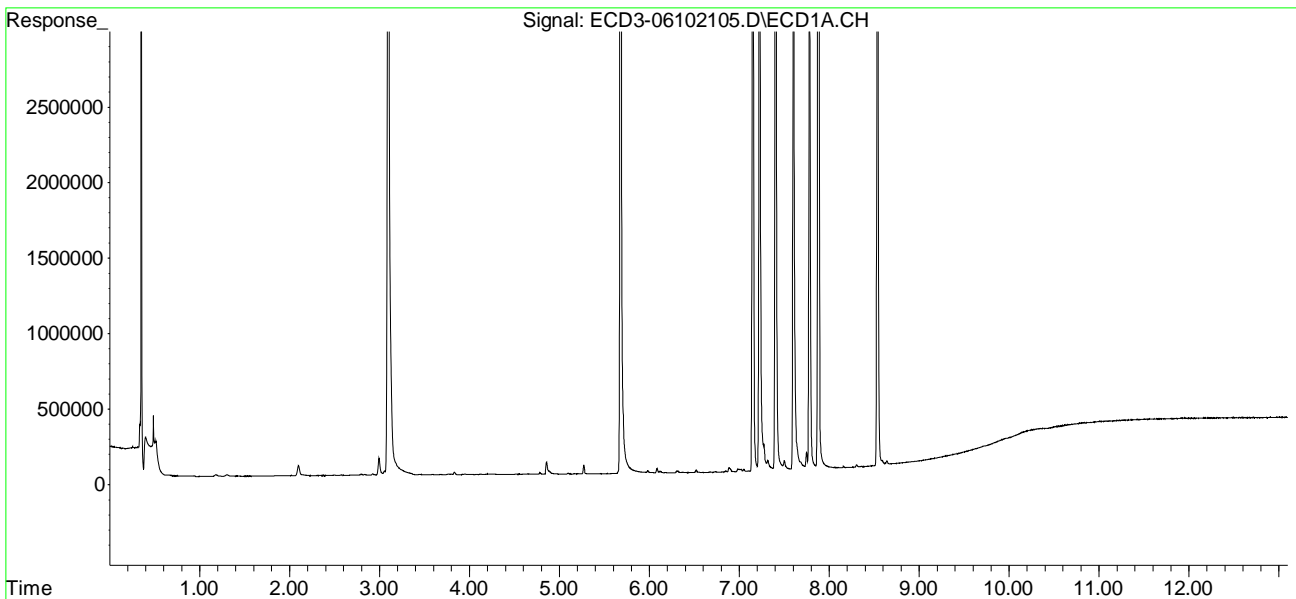
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.878	8.359f	7984654	5103422	43.681	48.142
31)	Mirex	8.537	9.250f	4985884	2955628	45.275	47.394
32)	Chlordane...	7.318	7.731	67917	3251639	3.103	237.152 #
33)	Chlordane...	7.404	0.000	7738160	0	349.297	N.D. #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.404	8.100	7738160	2649207	6909.990	2242.514 #
37)	Toxaphene...	7.749f	0.000	109721	0	62.092	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.305f	0.000	14547	0	0.601	N.D. #
40)	Toxaphene...	8.537f	8.698f	4985884	4900	1753.695	2.551 #
41)	Toxaphene...	8.588f	0.000	28968	0	12.752	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 10:59
Operator : MJB
Sample : 1F10034-CCV2
Misc : A21C331, 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: Jun 10 17:36:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102106.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:16
 Operator : MJB
 Sample : 1F10034-CCB1
 Misc : A21C331, 9-42 50 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: Jun 11 16:20:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.298	5.630	16055876	9123888	92.607	89.135
22) S DCBP (S)	9.486	10.100	11502177	6729627	88.028	104.251
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.316	0.000	4971	0	0.026	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	7.465	0.000	4231	0	0.022	N.D. #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.322	0	2873	N.D.	0.034 #
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	8.135f	0.000	1701	0	0.015	N.D. #
18) Endrin Al...	8.327	0.000	2947	0	5773.560	N.D. #
19) Endosulfa...	0.000	8.868	0	2222	N.D.	0.031 #
20) Methoxychlor	8.431	0.000	6262	0	0.110	N.D. #
21) Endrin Ke...	8.798	0.000	4035	0	0.027	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.681	0.000	23984	0	BelowCal	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.
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	7.763	8.322	2545	2873	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102106.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:16
 Operator : MJB
 Sample : 1F10034-CCB1
 Misc : A21C331, 9-42 50 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: Jun 11 16:20:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

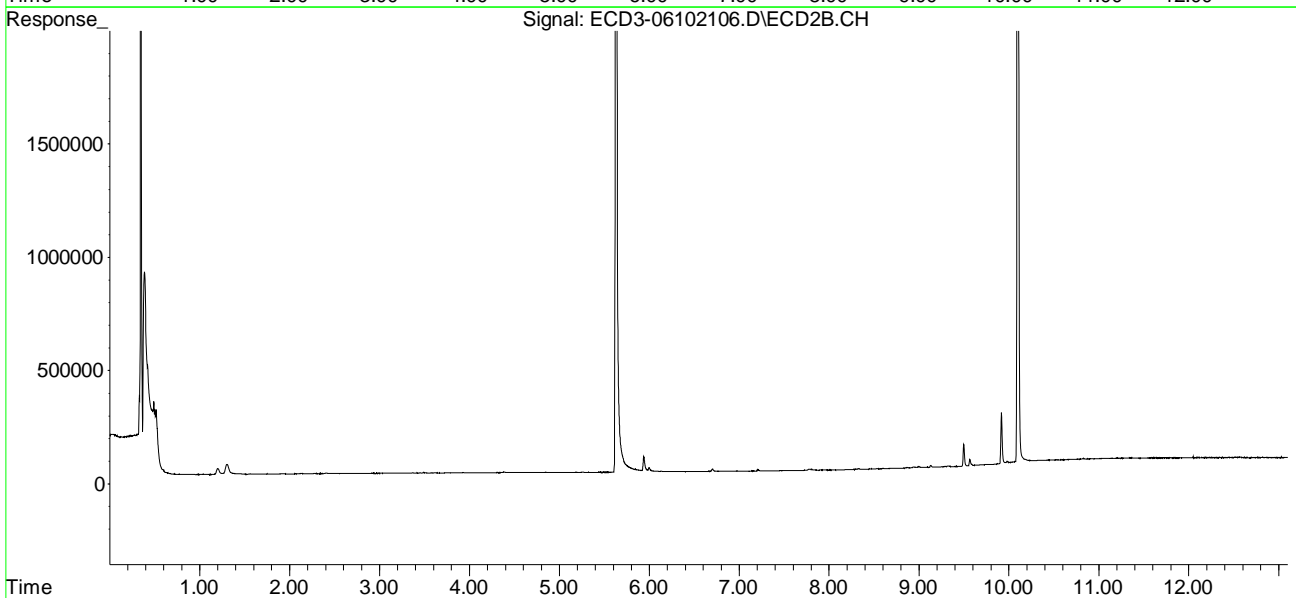
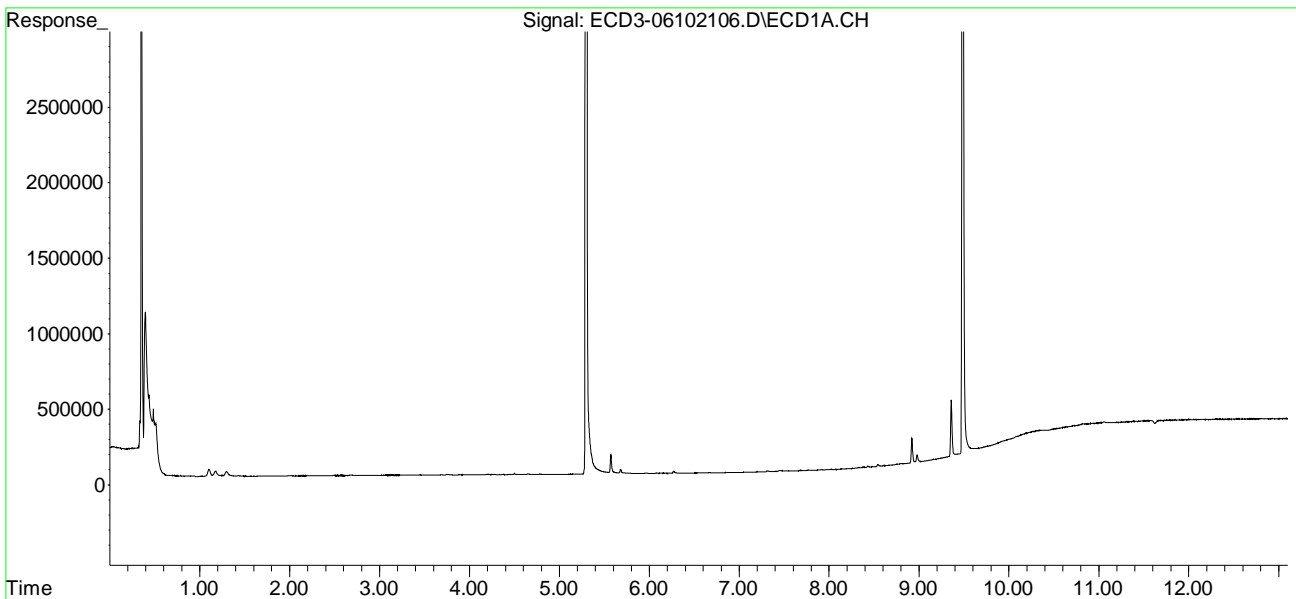
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	8.543	0.000	12615	0	BelowCal	N.D.
32)	Chlordane...	7.316	7.782f	4971	4020	0.227	0.293
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
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...	8.543f	9.131f	12615	8243	6.770	5.857
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 11:16
Operator : MJB
Sample : 1F10034-CCB1
Misc : A21C331, 9-42 50 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: Jun 11 16:20:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102106.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:16
 Operator : MJB
 Sample : 1F10034-CCB1
 Misc : A21C331, 9-42 50 ppb
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:20:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.298	5.630	16055876	9123888	92.607	89.135
22) S DCBP (S)	9.486	10.100	11502177	6729627	88.028	104.251
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.316	0.000	4971	0	0.026	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	7.465	0.000	4231	0	0.022	N.D. #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.322	0	2873	N.D.	0.034 #
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	8.135f	0.000	1701	0	0.015	N.D. #
18) Endrin Al...	8.327	0.000	2947	0	5773.560	N.D. #
19) Endosulfa...	0.000	8.868	0	2222	N.D.	0.031 #
20) Methoxychlor	8.431	0.000	6262	0	0.110	N.D. #
21) Endrin Ke...	8.798	0.000	4035	0	0.027	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.681	0.000	23984	0	BelowCal	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.
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	7.763	8.322	2545	2873	BelowCal	BelowCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102106.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:16
 Operator : MJB
 Sample : 1F10034-CCB1
 Misc : A21C331, 9-42 50 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: Jun 11 16:20:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

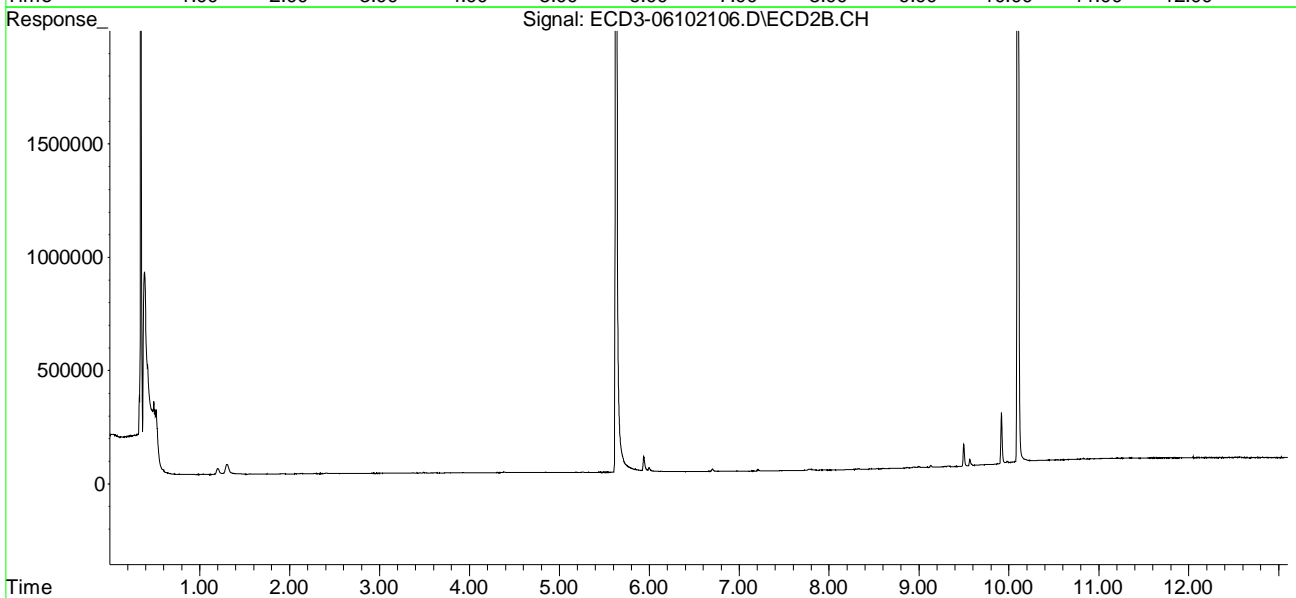
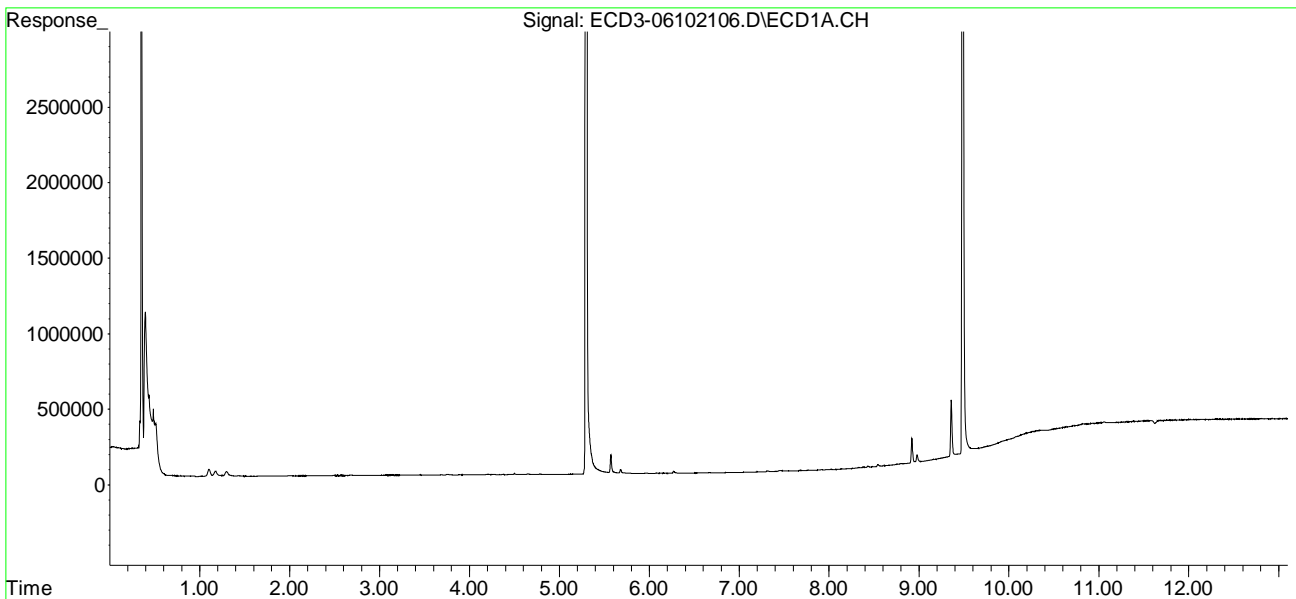
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	8.543	0.000	12615	0	BelowCal	N.D.
32)	Chlordane...	7.316	7.782f	4971	4020	0.227	0.293
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
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...	8.543f	9.131f	12615	8243	6.770	5.857
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 11:16
Operator : MJB
Sample : 1F10034-CCB1
Misc : A21C331, 9-42 50 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: Jun 11 16:20:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102107.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:33
 Operator : MJB
 Sample : 1060443-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: Jun 11 16:21:46 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.297	5.630	3050595	1862769	17.595	18.198
22) S DCBP (S)	9.483	10.099	5363583	3079598	41.048	47.093
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.526	0.000	7595	0	0.040	N.D. #
6) d-BHC	0.000	6.826f	0	7606	N.D.	0.069 #
7) Aldrin	0.000	7.166	0	4809	N.D.	0.038 #
8) Heptachlo...	7.224	7.573f	17022	52534	0.092	0.480 #
9) trans-Chl...	7.340f	7.732	11508	19245	0.060	0.170 #
10) cis-Chlor...	7.429	7.881f	14122	15775	BelowCal	0.144
11) Endosulfa...	0.000	7.881	0	15775	N.D.	0.157 #
12) 4,4'-DDE	7.474	7.954	20804	6909	0.109	0.063 #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.318	0	4294	N.D.	0.051 #
15) 4,4'-DDD	7.903	0.000	4484	0	0.031	N.D. #
16) Endosulfa...	8.001	8.470	30916	9071	0.213	0.103 #
17) 4,4'-DDT	8.095	8.597	5509	9811	0.049	0.154 #
18) Endrin Al...	8.313	8.674	5234	9914	5773.541	8826.849 #
19) Endosulfa...	8.613	8.916f	2596	3702	0.019	0.051 #
20) Methoxychlor	8.429	9.055	23978	15351	0.422	0.437
21) Endrin Ke...	8.819	9.263	5010	7694	0.034	0.093 #
23) Hexachlor...	3.094	0.000	5604	0	2279.258	N.D. #
24) Hexachlor...	5.681	6.125	5463	3426	BelowCal	BelowCal
25) Oxychlorane	0.000	7.573	0	52534	N.D.	0.191 #
26) 2,4'-DDE	7.224	7.732	17022	19245	BelowCal	BelowCal
27) trans-Non...	7.400	0.000	11790	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.776	8.318	8616	4294	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102107.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:33
 Operator : MJB
 Sample : 1060443-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: Jun 11 16:21:46 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

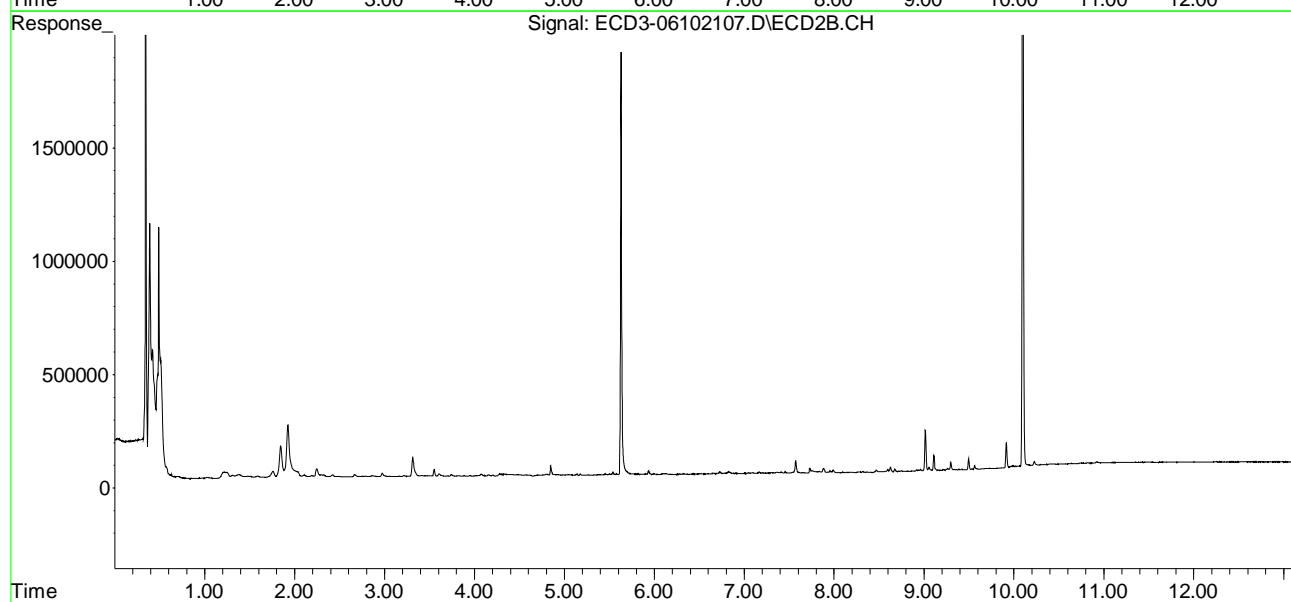
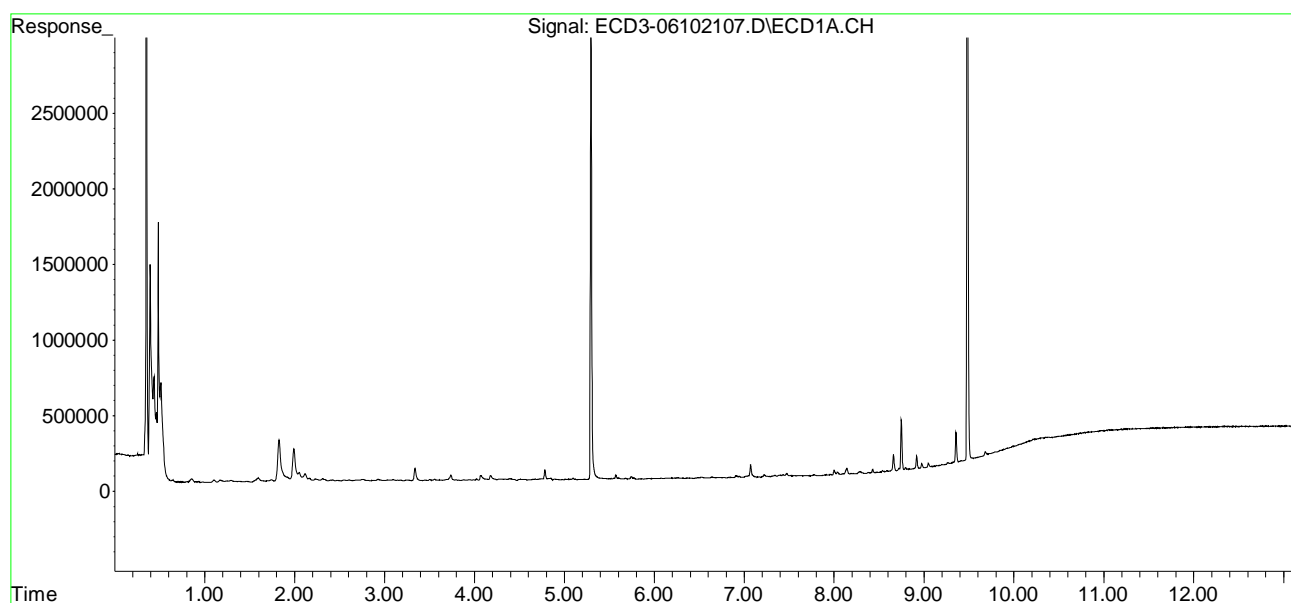
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.903	0.000	4484	0	BelowCal	N.D.
31)	Mirex	8.539	9.297	9404	36151	BelowCal	BelowCal
32)	Chlordane...	7.340	7.757	11508	5775	0.526	0.421
33)	Chlordane...	7.400	7.881f	11790	15775	0.532	1.336 #
34)	Chlordane...	7.961	8.501	4950	1605	0.869	0.480 #
35)	Chlordane...	3.696	0.000	7297	0	NoCal	N.D.
36)	Toxaphene...	7.429	0.000	14122	0	19.230	N.D. #
37)	Toxaphene...	0.000	8.470f	0	9071	N.D.	10.020 #
38)	Toxaphene...	8.036	8.470	17108	9071	6.632	6.566
39)	Toxaphene...	8.292f	0.000	14388	0	0.551	N.D. #
40)	Toxaphene...	8.473f	0.000	3665	0	4.471	N.D. #
41)	Toxaphene...	8.587	9.108	8512	65965	5.268	40.013 #
42)	Toxaphene...	3.696	0.000	7297	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 11:33
Operator : MJB
Sample : 1060443-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: Jun 11 16:21:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102107.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:33
 Operator : MJB
 Sample : 1060443-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:21:46 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.297	5.630	3050595	1862769	17.595	S-0618.198 S-06
22) S DCBP (S)	9.483	10.099	5363583	3079598	41.048	47.093
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.526	0.000	7595	0	0.040	N.D. #
6) d-BHC	0.000	6.826f	0	7606	N.D.	0.069 #
7) Aldrin	0.000	7.166	0	4809	N.D.	0.038 #
8) Heptachlo...	7.224	7.573f	17022	52534	0.092	0.480 #
9) trans-Chl...	7.340f	7.732	11508	19245	0.060	0.170 #
10) cis-Chlor...	7.429	7.881f	14122	15775	BelowCal	0.144
11) Endosulfa...	0.000	7.881	0	15775	N.D.	0.157 #
12) 4,4'-DDE	7.474	7.954	20804	6909	0.109	0.063 #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.318	0	4294	N.D.	0.051 #
15) 4,4'-DDD	7.903	0.000	4484	0	0.031	N.D. #
16) Endosulfa...	8.001	8.470	30916	9071	0.213	0.103 #
17) 4,4'-DDT	8.095	8.597	5509	9811	0.049	0.154 #
18) Endrin Al...	8.313	8.674	5234	9914	5773.541	8826.849 #
19) Endosulfa...	8.613	8.916f	2596	3702	0.019	0.051 #
20) Methoxychlor	8.429	9.055	23978	15351	0.422	0.437
21) Endrin Ke...	8.819	9.263	5010	7694	0.034	0.093 #
23) Hexachlor...	3.094	0.000	5604	0	2279.258	N.D. #
24) Hexachlor...	5.681	6.125	5463	3426	BelowCal	BelowCal
25) Oxychlorane	0.000	7.573	0	52534	N.D.	0.191 #
26) 2,4'-DDE	7.224	7.732	17022	19245	BelowCal	BelowCal
27) trans-Non...	7.400	0.000	11790	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.776	8.318	8616	4294	BelowCal	BelowCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102107.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:33
 Operator : MJB
 Sample : 1060443-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: Jun 11 16:21:46 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

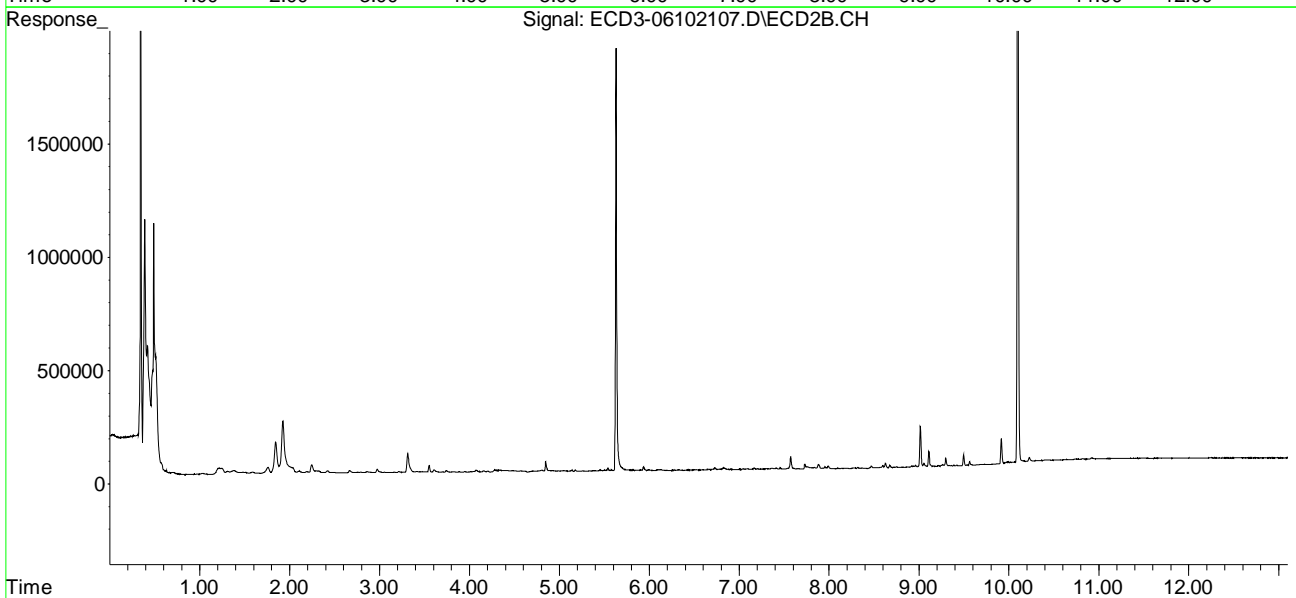
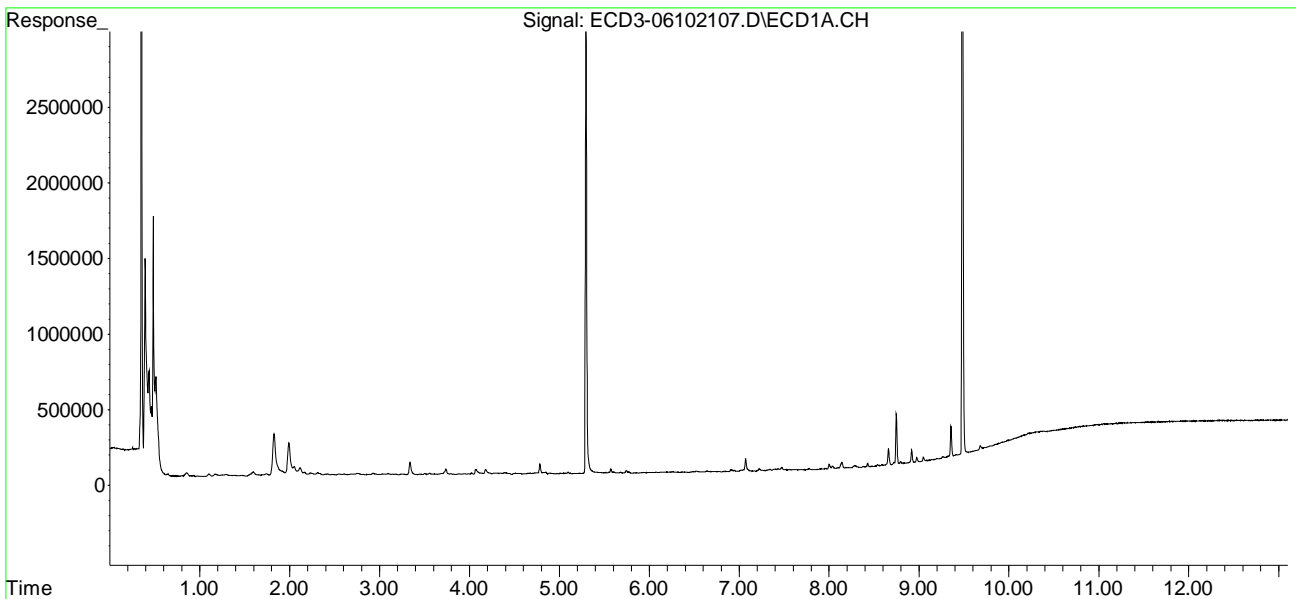
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.903	0.000	4484	0	BelowCal	N.D.
31)	Mirex	8.539	9.297	9404	36151	BelowCal	BelowCal
32)	Chlordane...	7.340	7.757	11508	5775	0.526	0.421
33)	Chlordane...	7.400	7.881f	11790	15775	0.532	1.336 #
34)	Chlordane...	7.961	8.501	4950	1605	0.869	0.480 #
35)	Chlordane...	3.696	0.000	7297	0	NoCal	N.D.
36)	Toxaphene...	7.429	0.000	14122	0	19.230	N.D. #
37)	Toxaphene...	0.000	8.470f	0	9071	N.D.	10.020 #
38)	Toxaphene...	8.036	8.470	17108	9071	6.632	6.566
39)	Toxaphene...	8.292f	0.000	14388	0	0.551	N.D. #
40)	Toxaphene...	8.473f	0.000	3665	0	4.471	N.D. #
41)	Toxaphene...	8.587	9.108	8512	65965	5.268	40.013 #
42)	Toxaphene...	3.696	0.000	7297	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 11:33
Operator : MJB
Sample : 1060443-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: Jun 11 16:21:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102108.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:51
 Operator : MJB
 Sample : 1060443-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: Jun 11 16:23:32 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.298	5.630	3873031	2370566	22.339	23.159
22) S DCBP (S)	9.484	10.099	5815679	3220100	44.508	49.271
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.525	0.000	11751	0	0.062	N.D. #
6) d-BHC	0.000	6.826f	0	6468	N.D.	0.058 #
7) Aldrin	0.000	7.166	0	3216	N.D.	0.026 #
8) Heptachlo...	7.224	7.573f	3292844	56312	17.851	0.514 #
9) trans-Chl...	7.318	7.730	11434	2060863	0.059	18.221 #
10) cis-Chlor...	7.432	7.833	16572	6920	BelowCal	0.063
11) Endosulfa...	7.537	7.874	39044	12803	0.228	0.128 #
12) 4,4'-DDE	7.476	7.954	5662868	3642503	29.782	33.010
13) Dieldrin	0.000	8.099	0	2335583	N.D.	21.005 #
14) Endrin	0.000	8.318	0	2419161	N.D.	28.790 #
15) 4,4'-DDD	7.901	8.365	5660344	3527177	39.197	41.728
16) Endosulfa...	8.002	8.469	24388	10159	0.168	0.115
17) 4,4'-DDT	8.095	8.587	5337451	3273870	47.106	51.398
18) Endrin Al...	8.291f	8.674	11354	9001	5773.488	8826.862 #
19) Endosulfa...	8.612	0.000	1193	0	0.009	N.D. #
20) Methoxychlor	8.427	0.000	6363	0	0.112	N.D. #
21) Endrin Ke...	8.794	9.263	9345	4611	0.063	0.056
23) Hexachlor...	3.095	0.000	11394	0	2279.224	N.D. #
24) Hexachlor...	5.680	6.124	12337	3853	BelowCal	BelowCal
25) Oxychlorane	0.000	7.573	0	56312	N.D.	0.235 #
26) 2,4'-DDE	7.224	7.730	3292844	2060863	27.849	28.853
27) trans-Non...	7.401	7.833	12678	6920	BelowCal	BelowCal
28) 2,4'-DDD	7.600	8.099	3785252	2335583	37.628	38.606
29) 2,4'-DDT	7.779	8.318	3958281	2419161	47.122	48.716

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102108.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:51
 Operator : MJB
 Sample : 1060443-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: Jun 11 16:23:32 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

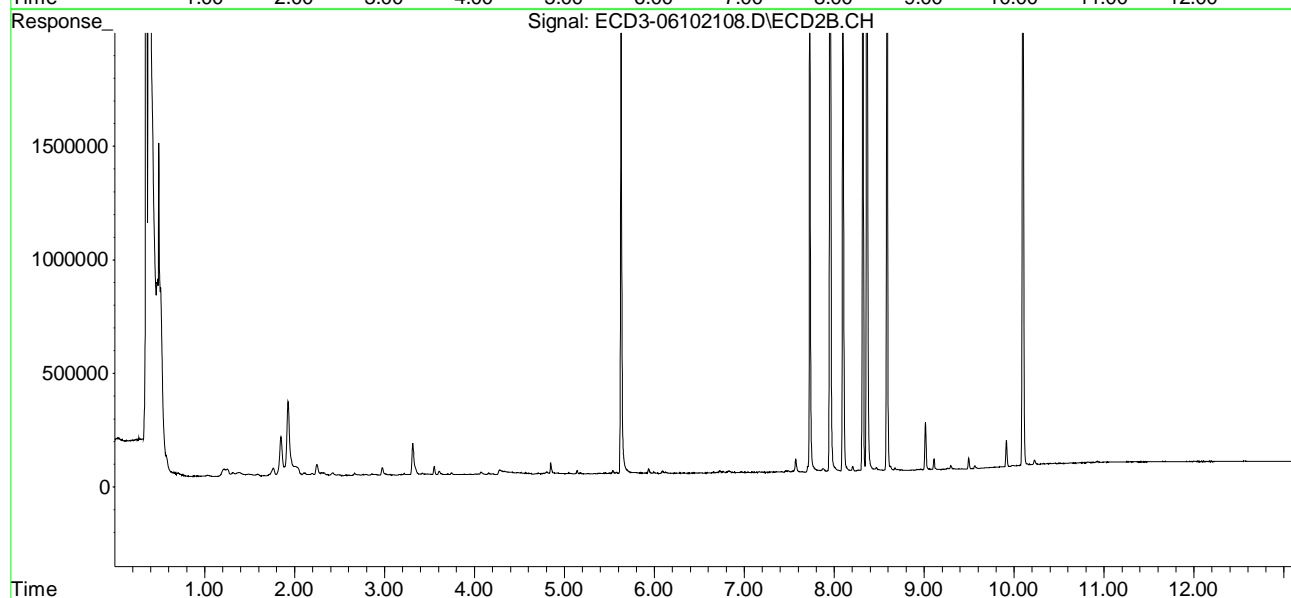
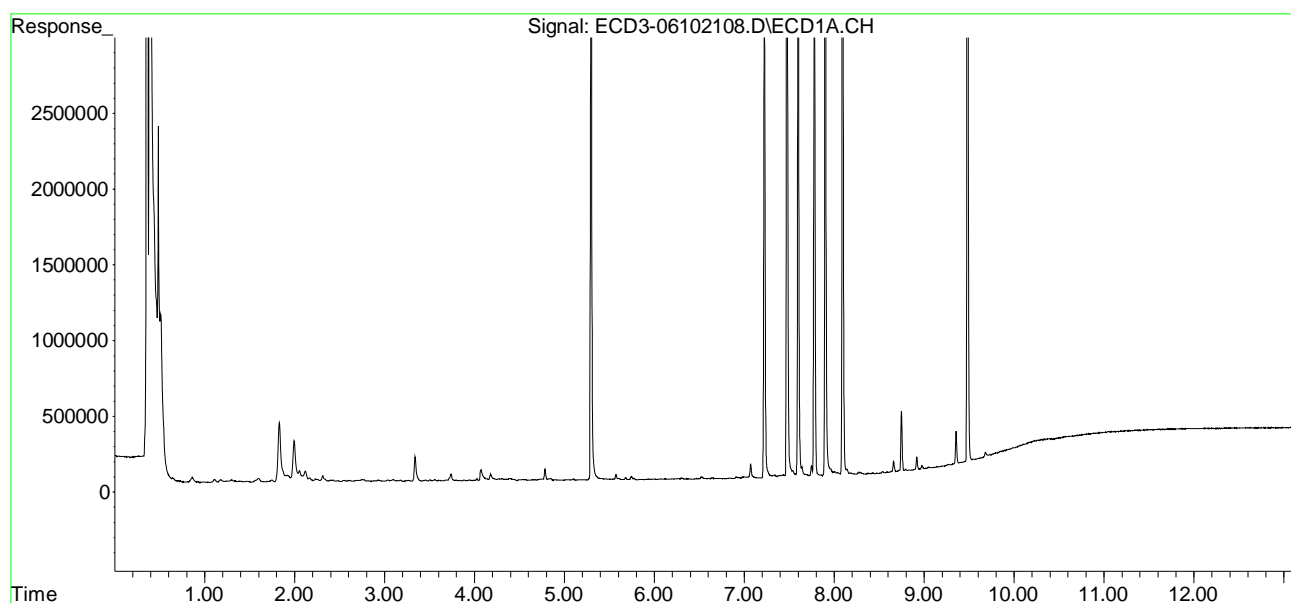
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.901	8.365f	5660344	3527177	31.015	33.204
31)	Mirex	8.539	9.298	9632	15836	BelowCal	BelowCal
32)	Chlordane...	7.318	7.730	11434	2060863	0.522	150.305 #
33)	Chlordane...	7.401	7.874f	12678	12803	0.572	1.085 #
34)	Chlordane...	7.960	8.469f	42047	10159	7.379	3.037 #
35)	Chlordane...	3.695	0.000	6322	0	NoCal	N.D.
36)	Toxaphene...	7.432	8.099	16572	2335583	22.067	1977.036 #
37)	Toxaphene...	7.748f	8.469f	69040	10159	39.070	10.851 #
38)	Toxaphene...	8.038	8.469	16170	10159	6.337	7.167
39)	Toxaphene...	8.274	0.000	14386	0	0.550	N.D. #
40)	Toxaphene...	8.475f	0.000	1954	0	3.718	N.D. #
41)	Toxaphene...	8.588	9.108	4025	46140	3.624	28.316 #
42)	Toxaphene...	3.695	0.000	6322	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 11:51
Operator : MJB
Sample : 1060443-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: Jun 11 16:23:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102108.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:51
 Operator : MJB
 Sample : 1060443-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:23:32 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.298	5.630	3873031	2370566	22.339	23.159
22) S DCBP (S)	9.484	10.099	5815679	3220100	44.508	49.271
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.525	0.000	11751	0	0.062	N.D. #
6) d-BHC	0.000	6.826f	0	6468	N.D.	0.058 #
7) Aldrin	0.000	7.166	0	3216	N.D.	0.026 #
8) Heptachlo...	7.224	7.573f	3292844	56312	17.851	0.514 #
9) trans-Chl...	7.318	7.730	11434	2060863	0.059	18.221 #
10) cis-Chlor...	7.432	7.833	16572	6920	BelowCal	0.063
11) Endosulfa...	7.537	7.874	39044	12803	0.228	0.128 #
12) 4,4'-DDE	7.476	7.954	5662868	3642503	29.782	33.010
13) Dieldrin	0.000	8.099	0	2335583	N.D.	21.005 #
14) Endrin	0.000	8.318	0	2419161	N.D.	28.790 #
15) 4,4'-DDD	7.901	8.365	5660344	3527177	39.197	41.728
16) Endosulfa...	8.002	8.469	24388	10159	0.168	0.115
17) 4,4'-DDT	8.095	8.587	5337451	3273870	47.106	51.398
18) Endrin Al...	8.291f	8.674	11354	9001	5773.488	8826.862 #
19) Endosulfa...	8.612	0.000	1193	0	0.009	N.D. #
20) Methoxychlor	8.427	0.000	6363	0	0.112	N.D. #
21) Endrin Ke...	8.794	9.263	9345	4611	0.063	0.056
23) Hexachlor...	3.095	0.000	11394	0	2279.224	N.D. #
24) Hexachlor...	5.680	6.124	12337	3853	BelowCal	BelowCal
25) Oxychlorane	0.000	7.573	0	56312	N.D.	0.235 #
26) 2,4'-DDE	7.224	7.730	3292844	2060863	27.849	28.853
27) trans-Non...	7.401	7.833	12678	6920	BelowCal	BelowCal
28) 2,4'-DDD	7.600	8.099	3785252	2335583	37.628	38.606
29) 2,4'-DDT	7.779	8.318	3958281	2419161	47.122	48.716

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102108.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 11:51
 Operator : MJB
 Sample : 1060443-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: Jun 11 16:23:32 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

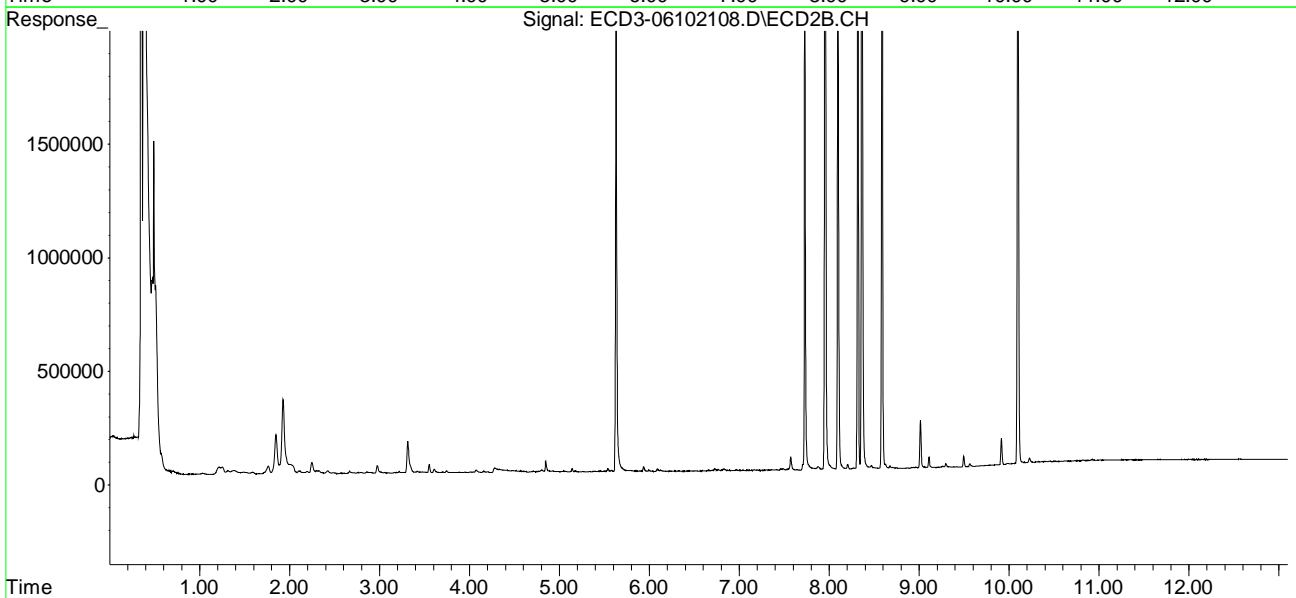
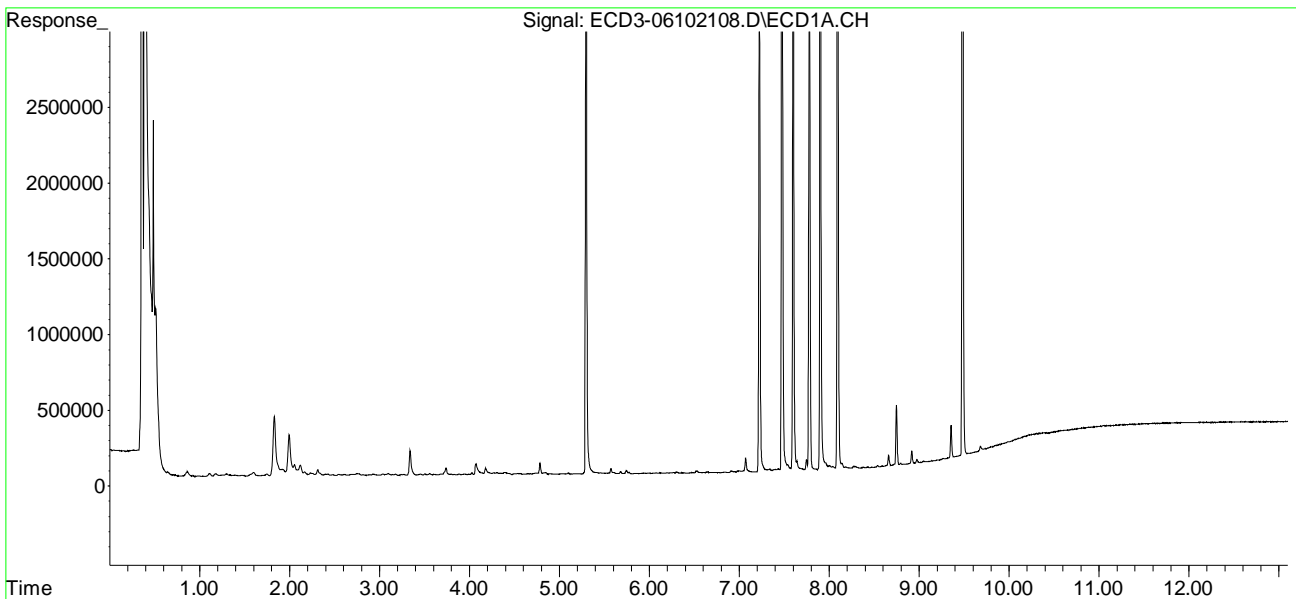
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.901	8.365f	5660344	3527177	31.015	33.204
31)	Mirex	8.539	9.298	9632	15836	BelowCal	BelowCal
32)	Chlordane...	7.318	7.730	11434	2060863	0.522	150.305 #
33)	Chlordane...	7.401	7.874f	12678	12803	0.572	1.085 #
34)	Chlordane...	7.960	8.469f	42047	10159	7.379	3.037 #
35)	Chlordane...	3.695	0.000	6322	0	NoCal	N.D.
36)	Toxaphene...	7.432	8.099	16572	2335583	22.067	1977.036 #
37)	Toxaphene...	7.748f	8.469f	69040	10159	39.070	10.851 #
38)	Toxaphene...	8.038	8.469	16170	10159	6.337	7.167
39)	Toxaphene...	8.274	0.000	14386	0	0.550	N.D. #
40)	Toxaphene...	8.475f	0.000	1954	0	3.718	N.D. #
41)	Toxaphene...	8.588	9.108	4025	46140	3.624	28.316 #
42)	Toxaphene...	3.695	0.000	6322	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 11:51
Operator : MJB
Sample : 1060443-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: Jun 11 16:23:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102116.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:08
 Operator : MJB
 Sample : A1E0231-02RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:54:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.631	2742717	1782771	15.819	17.417
22) S DCBP (S)	9.484	10.099	3605641	2091011	27.595	31.818
Target Compounds						
2) a-BHC	5.830	6.189f	21151	22395	0.090	0.155 #
3) g-BHC	6.119	6.508f	100644	22614	0.495	0.182 #
4) b-BHC	6.211	6.601	118057	18206	1.303	0.324 #
5) Heptachlor	6.524	6.924	62445	15143	0.330	0.133 #
6) d-BHC	6.354	6.874f	26335	35672	0.143	0.322 #
7) Aldrin	6.729f	7.134f	57869	14812	0.273	0.118 #
8) Heptachlo...	7.227	7.571f	18169	125922	0.098	1.150 #
9) trans-Chl...	7.310	7.732	39625	97240	0.206	0.860 #
10) cis-Chlor...	7.420	7.872f	49307	37917	0.046	0.345 #
11) Endosulfa...	7.537	7.902	27181	20529	0.158	0.205
12) 4,4'-DDE	7.474	7.953	110018	80418	0.579	0.729
13) Dieldrin	7.688	8.084	84264	79414	0.440	0.714 #
14) Endrin	7.859	8.317	16162	27004	0.111	0.321 #
15) 4,4'-DDD	7.890	8.364	252444	65773	1.748	0.778 #
16) Endosulfa...	7.999	8.449	35212	30978	0.242	0.352 #
17) 4,4'-DDT	8.095	8.587	531718	321806	4.693	5.052
18) Endrin Al...	8.306	8.692	47388	41557	0.081	0.256 #
19) Endosulfa...	8.609	8.887	54869	54232	0.410	0.752 #
20) Methoxychlor	8.429	9.071	96536	99552	1.699	2.834 #
21) Endrin Ke...	8.781f	9.270	45632	93066	0.306	1.129 #
23) Hexachlor...	3.102	3.385	22534	8697	2279.159	1092.527 #
24) Hexachlor...	5.679	6.092	27843	317641	BelowCal	3.024
25) Oxychlorane	7.155	7.571	23027	125922	BelowCal	1.036
26) 2,4'-DDE	7.227	7.732	18169	97240	BelowCal	1.023
27) trans-Non...	7.420	7.801f	49307	42039	BelowCal	BelowCal
28) 2,4'-DDD	7.598	8.084	35926	79414	BelowCal	0.924
29) 2,4'-DDT	7.779	8.317	32467	27004	BelowCal	0.145

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102116.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:08
 Operator : MJB
 Sample : A1E0231-02RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:54:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

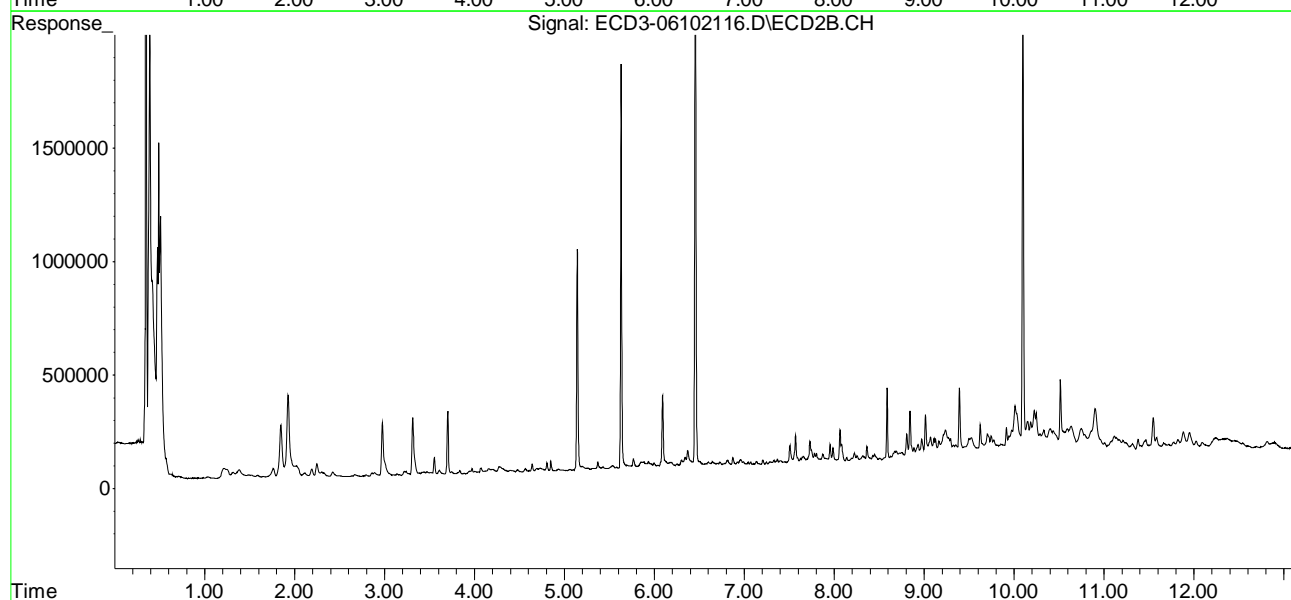
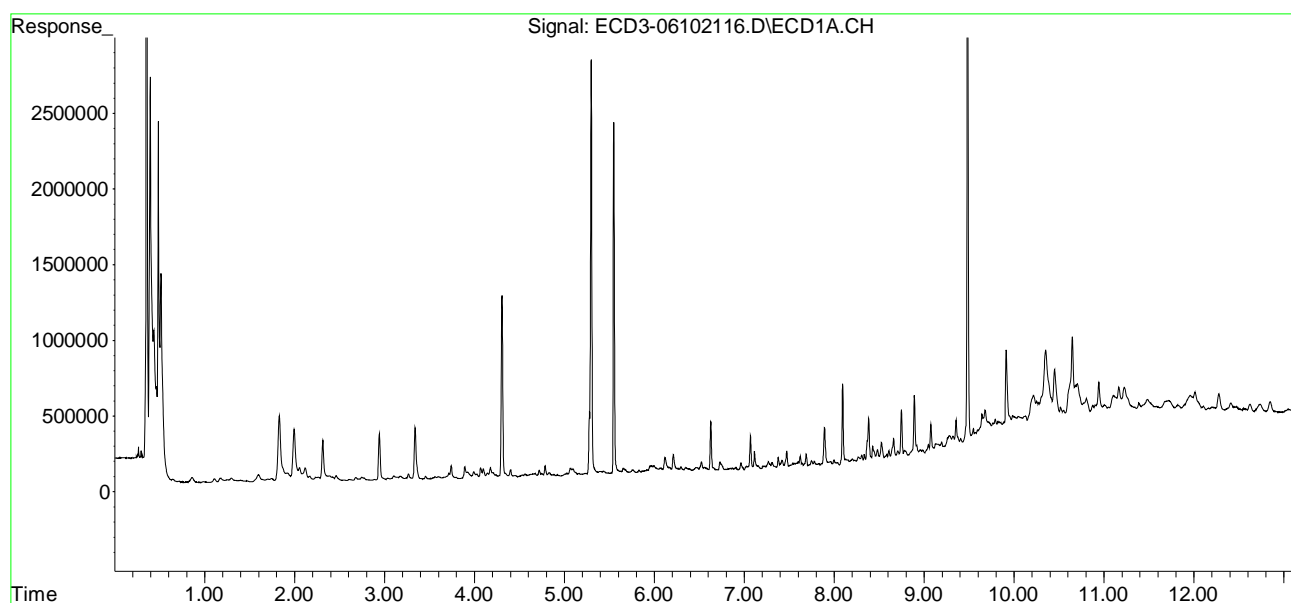
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.890	8.364f	252444	65773	1.054	0.242 #
31)	Mirex	8.526f	9.270	115474	93066	0.518	0.922 #
32)	Chlordane...	7.310	7.732	39625	97240	1.810	7.092 #
33)	Chlordane...	7.420	7.872	49307	37917	2.226	3.212 #
34)	Chlordane...	7.960	8.504	25425	13501	4.462	4.036
35)	Chlordane...	3.715f	0.000	33418	0	NoCal	N.D.
36)	Toxaphene...	7.420	8.084	49307	79414	59.892	67.223
37)	Toxaphene...	7.724	8.449	13003	30978	7.358	26.744 #
38)	Toxaphene...	8.036	8.504f	15993	13501	6.281	9.012 #
39)	Toxaphene...	8.268	0.000	37521	0	7.894	N.D. #
40)	Toxaphene...	8.480	8.725	70404	32814	33.724	17.082 #
41)	Toxaphene...	8.584	9.108	33003	91892	14.227	55.258 #
42)	Toxaphene...	3.715f	0.000	33418	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:08
Operator : MJB
Sample : A1E0231-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

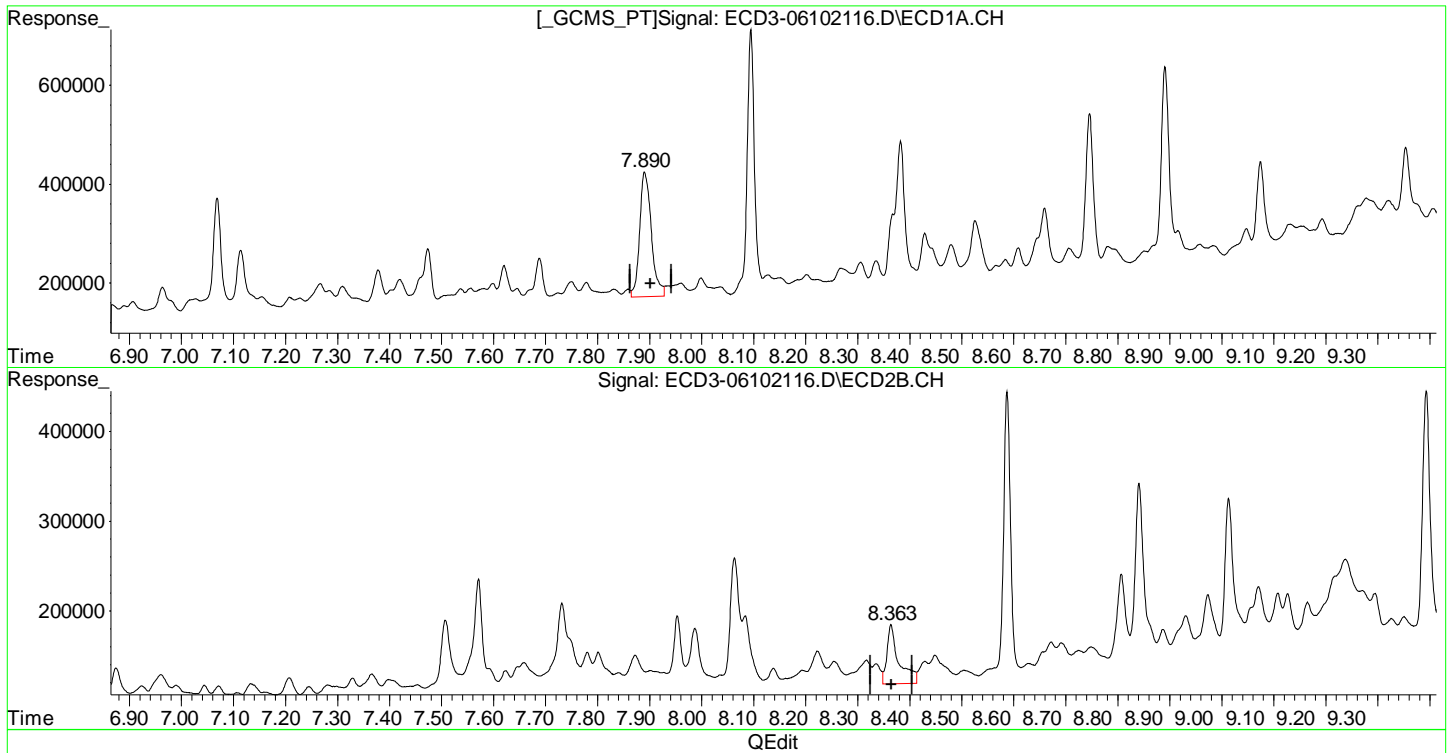
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 16:54:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:08
Operator : MJB
Sample : A1E0231-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 16:54:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



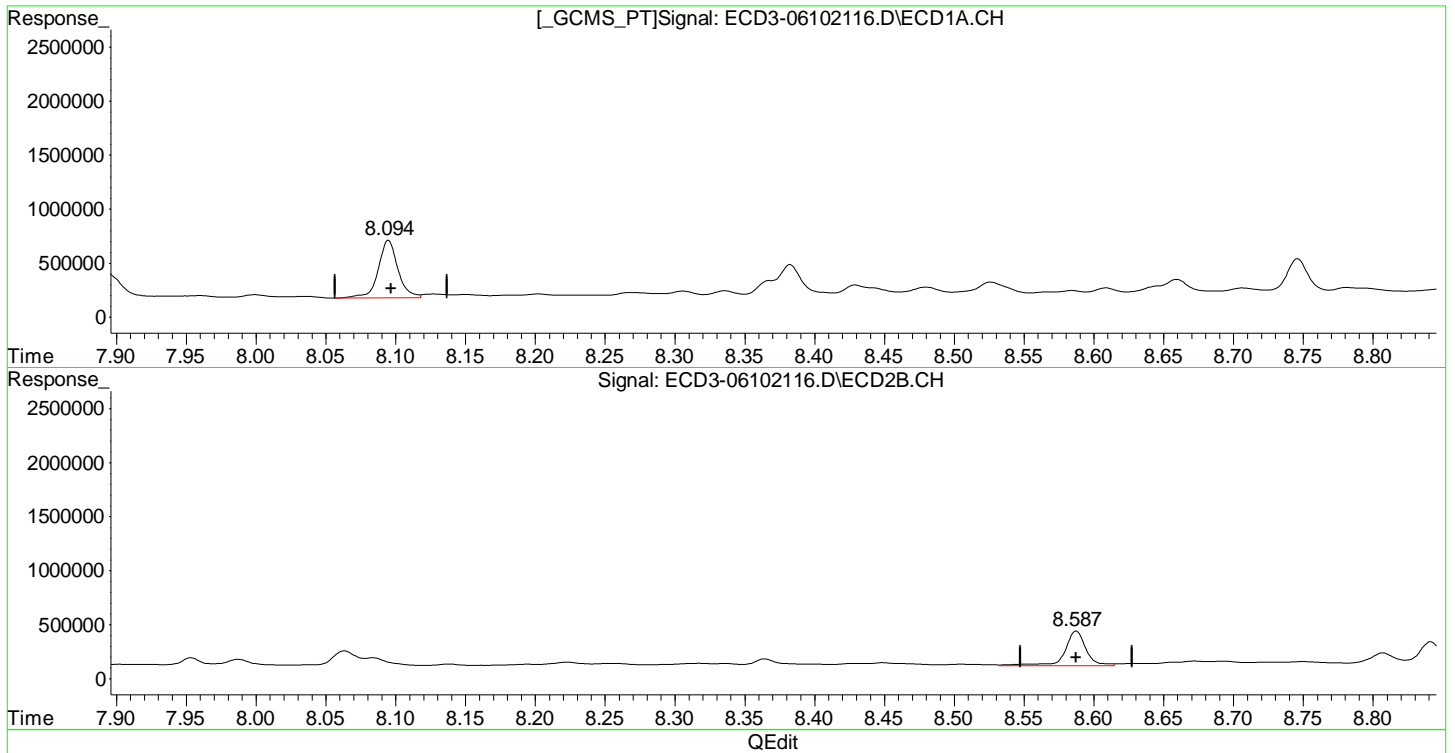
(15) 4,4'-DDD
7.890min 1.748 ng/mL
response 252444

(15) 4,4'-DDD #2
8.364min 0.778 ng/mL
response 65773

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:08
Operator : MJB
Sample : A1E0231-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 16:54:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



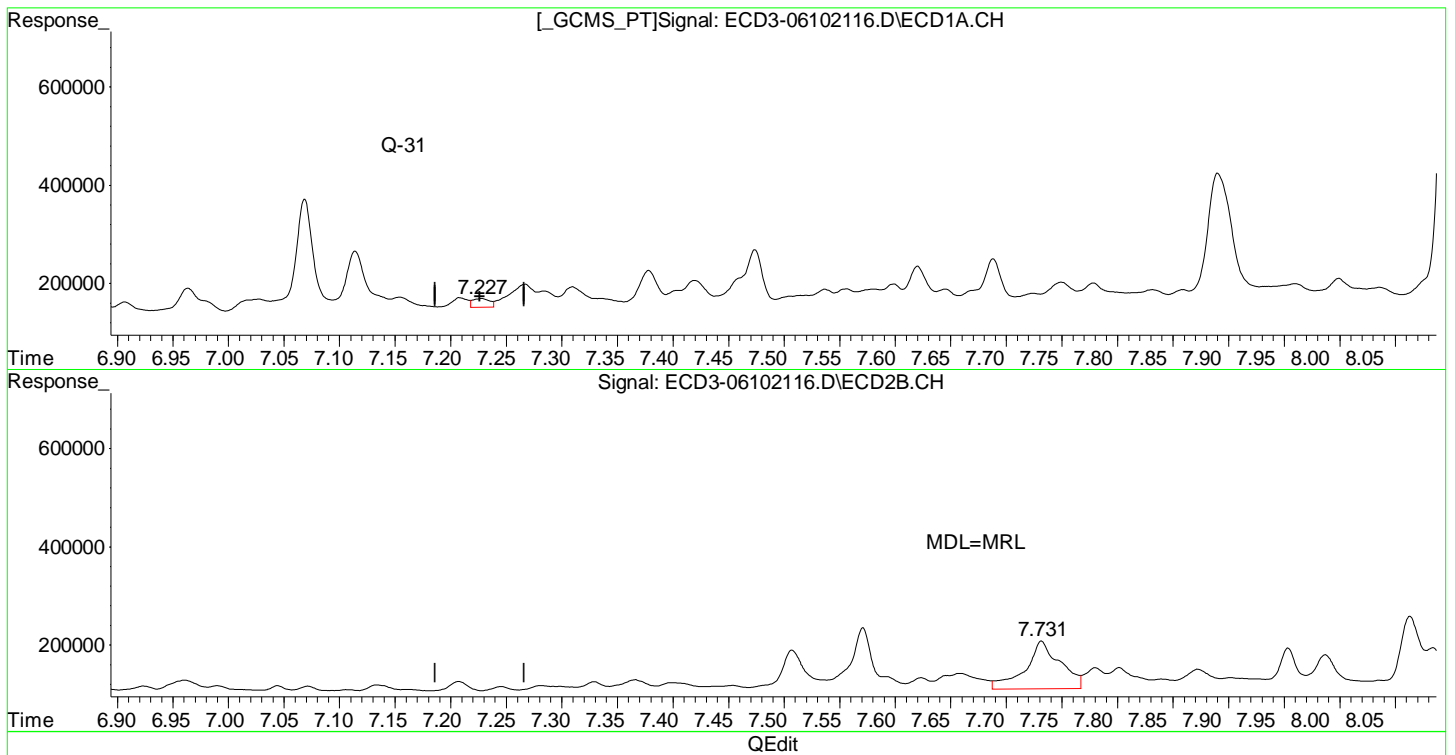
(17) 4,4'-DDT
8.095min 4.693 ng/mL
response 531718

(17) 4,4'-DDT #2
8.587min 5.052 ng/mL
response 321806

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:08
Operator : MJB
Sample : A1E0231-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 16:54:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.227min -0.171 ng/mL
response 18169

(26) 2,4'-DDE #2
7.732min 1.023 ng/mL
response 97240

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102116.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:08
 Operator : MJB
 Sample : A1E0231-02RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:54:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.631	2742717	1782771	15.819	S-0617.417 S-06
22) S DCBP (S)	9.484	10.099	3605641	2091011	27.595	31.818
Target Compounds						
2) a-BHC	5.830	6.189f	21151	22395	0.090	0.155 #
3) g-BHC	6.119	6.508f	100644	22614	0.495	0.182 #
4) b-BHC	6.211	6.601	118057	18206	1.303	0.324 #
5) Heptachlor	6.524	6.924	62445	15143	0.330	0.133 #
6) d-BHC	6.354	6.874f	26335	35672	0.143	0.322 #
7) Aldrin	6.729f	7.134f	57869	14812	0.273	0.118 #
8) Heptachlo...	7.227	7.571f	18169	125922	0.098	1.150 #
9) trans-Chl...	7.310	7.732	39625	97240	0.206	0.860 #
10) cis-Chlor...	7.420	7.872f	49307	37917	0.046	0.345 #
11) Endosulfa...	7.537	7.902	27181	20529	0.158	0.205
12) 4,4'-DDE	7.474	7.953	110018	80418	0.579	0.729
13) Dieldrin	7.688	8.084	84264	79414	0.440	0.714 #
14) Endrin	7.859	8.317	16162	27004	0.111	0.321 #
15) 4,4'-DDD	7.890	8.364	252444	65773	1.748	0.778 #
16) Endosulfa...	7.999	8.449	35212	30978	0.242	0.352 #
17) 4,4'-DDT	8.095	8.587	531718	321806	4.693	5.052
18) Endrin Al...	8.306	8.692	47388	41557	0.081	0.256 #
19) Endosulfa...	8.609	8.887	54869	54232	0.410	0.752 #
20) Methoxychlor	8.429	9.071	96536	99552	1.699	2.834 #
21) Endrin Ke...	8.781f	9.270	45632	93066	0.306	1.129 #
23) Hexachlor...	3.102	3.385	22534	8697	2279.159	1092.527 #
24) Hexachlor...	5.679	6.092	27843	317641	BelowCal	3.024
25) Oxychlorane	7.155	7.571	23027	125922	BelowCal	1.036
26) 2,4'-DDE	7.227	7.732	18169	97240	BelowCal	Q-31 1.023 MDL=MRL
27) trans-Non...	7.420	7.801f	49307	42039	BelowCal	BelowCal
28) 2,4'-DDD	7.598	8.084	35926	79414	BelowCal	0.924
29) 2,4'-DDT	7.779	8.317	32467	27004	BelowCal	0.145

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102116.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:08
 Operator : MJB
 Sample : A1E0231-02RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:54:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

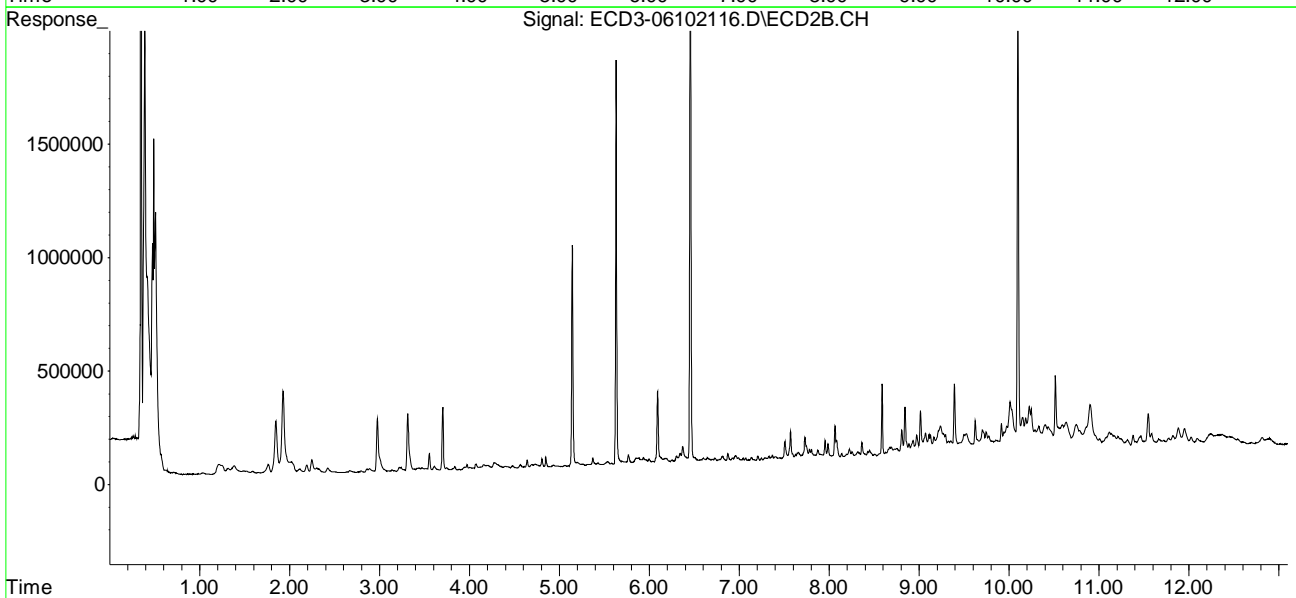
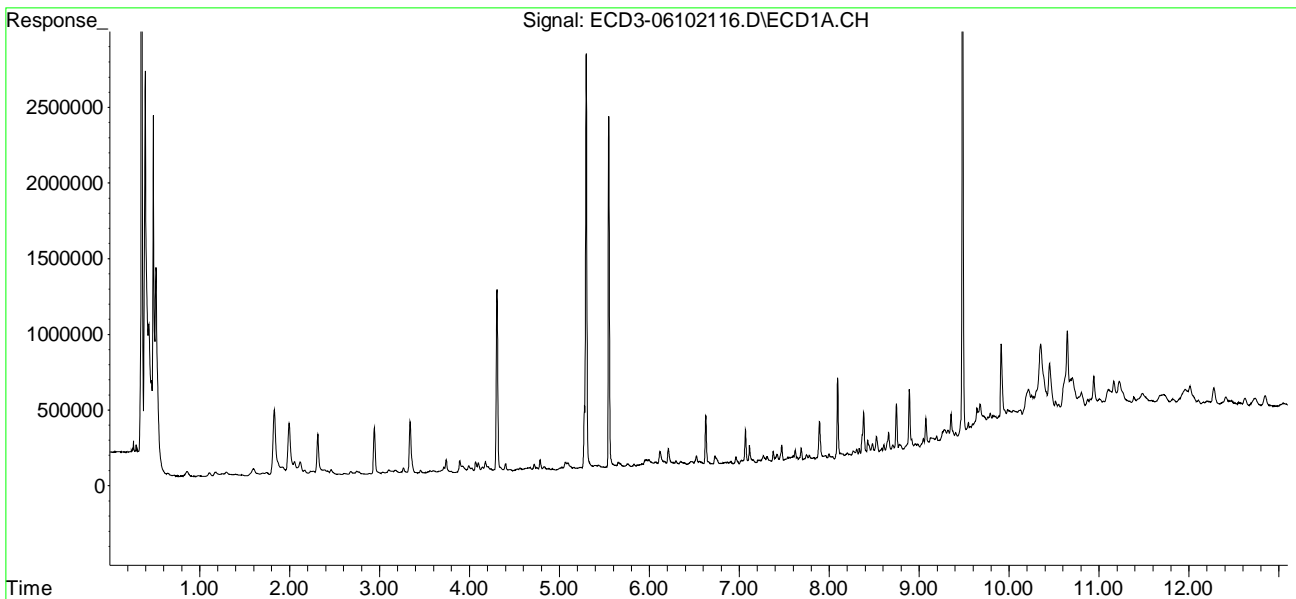
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.890	8.364f	252444	65773	1.054	0.242 #
31)	Mirex	8.526f	9.270	115474	93066	0.518	0.922 #
32)	Chlordane...	7.310	7.732	39625	97240	1.810	7.092 #
33)	Chlordane...	7.420	7.872	49307	37917	2.226	3.212 #
34)	Chlordane...	7.960	8.504	25425	13501	4.462	4.036
35)	Chlordane...	3.715f	0.000	33418	0	NoCal	N.D.
36)	Toxaphene...	7.420	8.084	49307	79414	59.892	67.223
37)	Toxaphene...	7.724	8.449	13003	30978	7.358	26.744 #
38)	Toxaphene...	8.036	8.504f	15993	13501	6.281	9.012 #
39)	Toxaphene...	8.268	0.000	37521	0	7.894	N.D. #
40)	Toxaphene...	8.480	8.725	70404	32814	33.724	17.082 #
41)	Toxaphene...	8.584	9.108	33003	91892	14.227	55.258 #
42)	Toxaphene...	3.715f	0.000	33418	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:08
Operator : MJB
Sample : A1E0231-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 16:54:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102117.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:25
 Operator : MJB
 Sample : 1F10034-CCV3
 Misc : A21F093, 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: Jun 11 16:56:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.631	16489989	9858407	95.111	96.311
22) S DCBP (S)	9.485	10.099	11995523	7157110	91.804	111.026
Target Compounds						
2) a-BHC	5.845	6.221	24819792	15067410	105.153	104.361
3) g-BHC	6.128	6.534	21188423	12953877	104.167	104.095
4) b-BHC	6.208	6.604	8125679	5454206	89.707	97.155
5) Heptachlor	6.523	6.904	19624885	12465164	103.753	109.895
6) d-BHC	6.356	6.848	18761252	12477128	101.610	112.541
7) Aldrin	6.762	7.163	20289892	12485387	95.611	99.389
8) Heptachlo...	7.228	7.596	17423935	11174289	94.456	102.080
9) trans-Chl...	7.320	7.736	17952198	11079081	93.168	97.953
10) cis-Chlor...	7.417	7.843	17360108	10671319	95.497	97.076
11) Endosulfa...	7.516	7.888	16401386	10155579	95.636	101.316
12) 4,4'-DDE	7.477	7.955	17010687	11031349	89.461	99.972
13) Dieldrin	7.690	8.085	18814172	11483310	98.273	103.272
14) Endrin	7.856	8.305	14681723	9209911	101.171	109.606
15) 4,4'-DDD	7.902	8.365	14164856	8929881	98.090	105.644
16) Endosulfa...	8.015	8.452	14504331	9257061	99.754	105.220
17) 4,4'-DDT	8.096	8.587	12683139	8129470	111.936	127.627
18) Endrin Al...	8.309	8.686	12275078	7548022	107.552	107.717
19) Endosulfa...	8.611	8.880	14162884	8924491	105.872	123.708
20) Methoxychlor	8.431	9.055	5614393	3972429	98.802	113.096
21) Endrin Ke...	8.807	9.261	17312635	10272638	116.182	124.673
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.681	6.140f	30127	4931	BelowCal	BelowCal
25) Oxychlorane	7.162	7.566	82525	30345	0.157	BelowCal #
26) 2,4'-DDE	7.228	7.736	17423935	11079081	146.105	153.566
27) trans-Non...	7.417	7.843	17360108	10671319	97.630	103.388
28) 2,4'-DDD	7.602	8.085	43900	11483310	0.079	179.741 #
29) 2,4'-DDT	7.779	8.305	42383	9209911	0.081	167.401 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102117.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:25
 Operator : MJB
 Sample : 1F10034-CCV3
 Misc : A21F093, 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: Jun 11 16:56:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

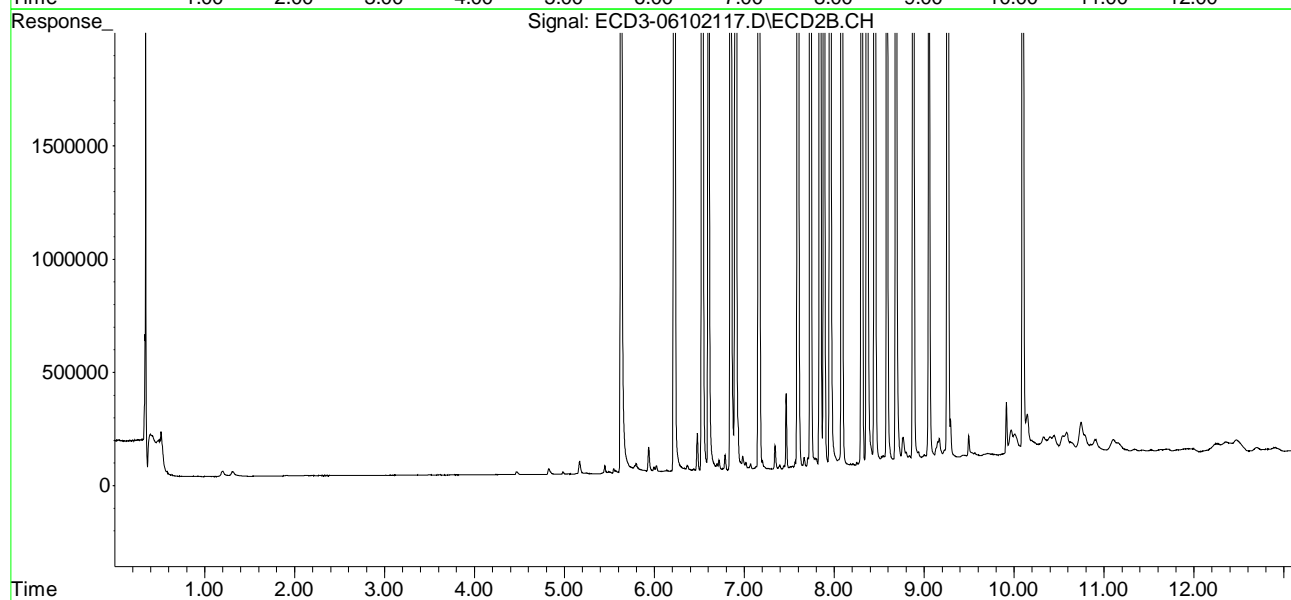
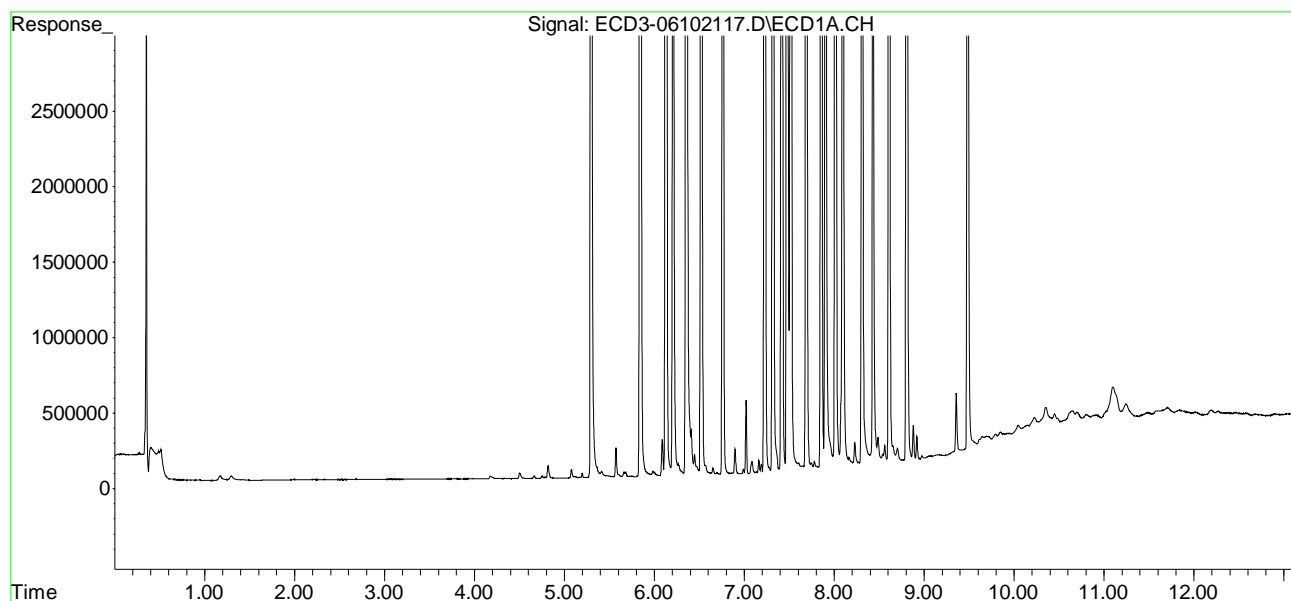
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.902	8.365f	14164856	8929881	76.777	84.221
31)	Mirex	8.541	9.294	50456	195511	BelowCal	2.586
32)	Chlordane...	7.320	7.736	17952198	11079081	820.183	808.033
33)	Chlordane...	7.417	7.843	17360108	10671319	783.626	904.026
34)	Chlordane...	0.000	8.530f	0	41316	N.D.	12.353 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.417	8.085	17360108	11483310	12915.485	9720.446
37)	Toxaphene...	7.690f	8.452	18814172	9257061	10647.050	5394.889 #
38)	Toxaphene...	8.015	8.452f	14504331	9257061	3486.871	3981.188
39)	Toxaphene...	0.000	8.546	0	44054	N.D.	7.350 #
40)	Toxaphene...	8.486	8.686f	165218	7548022	74.865	3929.155 #
41)	Toxaphene...	8.561	9.055f	107923	3972429	41.508	1898.695 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:25
Operator : MJB
Sample : 1F10034-CCV3
Misc : A21F093, 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: Jun 11 16:56:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102117.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:25
 Operator : MJB
 Sample : 1F10034-CCV3
 Misc : A21F093, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:56:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.631	16489989	9858407	95.111	96.311
22) S DCBP (S)	9.485	10.099	11995523	7157110	91.804	111.026
Target Compounds						
2) a-BHC	5.845	6.221	24819792	15067410	105.153	104.361
3) g-BHC	6.128	6.534	21188423	12953877	104.167	104.095
4) b-BHC	6.208	6.604	8125679	5454206	89.707	97.155
5) Heptachlor	6.523	6.904	19624885	12465164	103.753	109.895
6) d-BHC	6.356	6.848	18761252	12477128	101.610	112.541
7) Aldrin	6.762	7.163	20289892	12485387	95.611	99.389
8) Heptachlo...	7.228	7.596	17423935	11174289	94.456	102.080
9) trans-Chl...	7.320	7.736	17952198	11079081	93.168	97.953
10) cis-Chlor...	7.417	7.843	17360108	10671319	95.497	97.076
11) Endosulfa...	7.516	7.888	16401386	10155579	95.636	101.316
12) 4,4'-DDE	7.477	7.955	17010687	11031349	89.461	99.972
13) Dieldrin	7.690	8.085	18814172	11483310	98.273	103.272
14) Endrin	7.856	8.305	14681723	9209911	101.171	109.606
15) 4,4'-DDD	7.902	8.365	14164856	8929881	98.090	105.644
16) Endosulfa...	8.015	8.452	14504331	9257061	99.754	105.220
17) 4,4'-DDT	8.096	8.587	12683139	8129470	111.936	127.627 Q-41
18) Endrin Al...	8.309	8.686	12275078	7548022	107.552	107.717
19) Endosulfa...	8.611	8.880	14162884	8924491	105.872	123.708
20) Methoxychlor	8.431	9.055	5614393	3972429	98.802	113.096
21) Endrin Ke...	8.807	9.261	17312635	10272638	116.182	124.673
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.681	6.140f	30127	4931	BelowCal	BelowCal
25) Oxychlorane	7.162	7.566	82525	30345	0.157	BelowCal #
26) 2,4'-DDE	7.228	7.736	17423935	11079081	146.105	153.566
27) trans-Non...	7.417	7.843	17360108	10671319	97.630	103.388
28) 2,4'-DDD	7.602	8.085	43900	11483310	0.079	179.741 #
29) 2,4'-DDT	7.779	8.305	42383	9209911	0.081	167.401 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102117.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:25
 Operator : MJB
 Sample : 1F10034-CCV3
 Misc : A21F093, 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: Jun 11 16:56:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

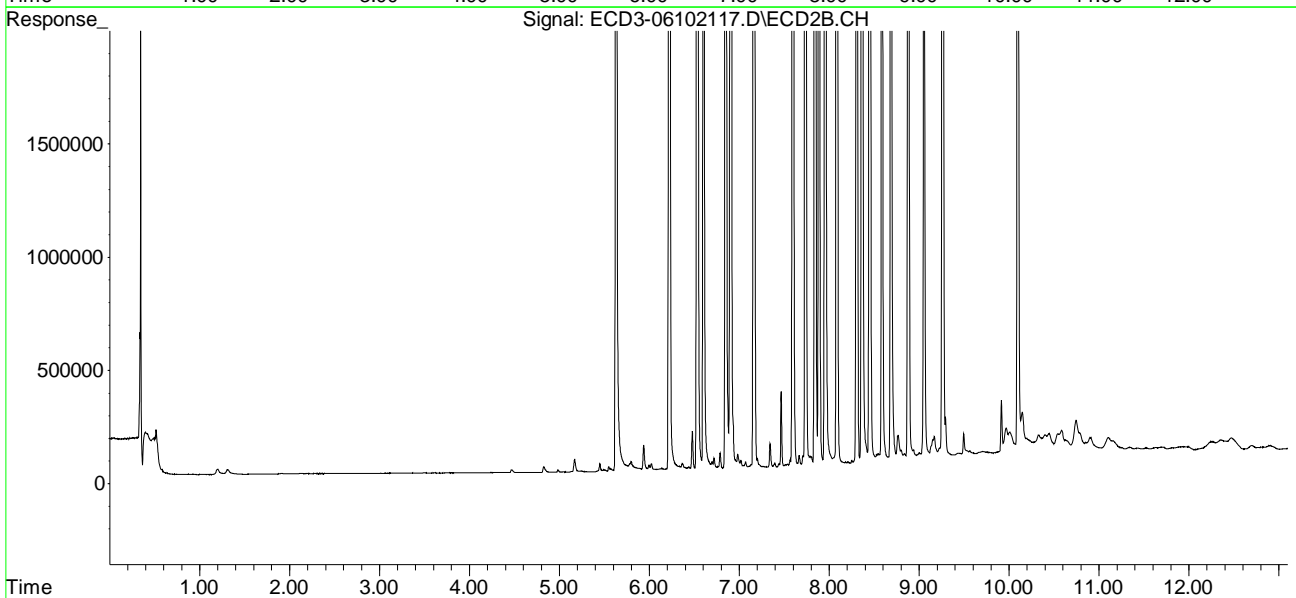
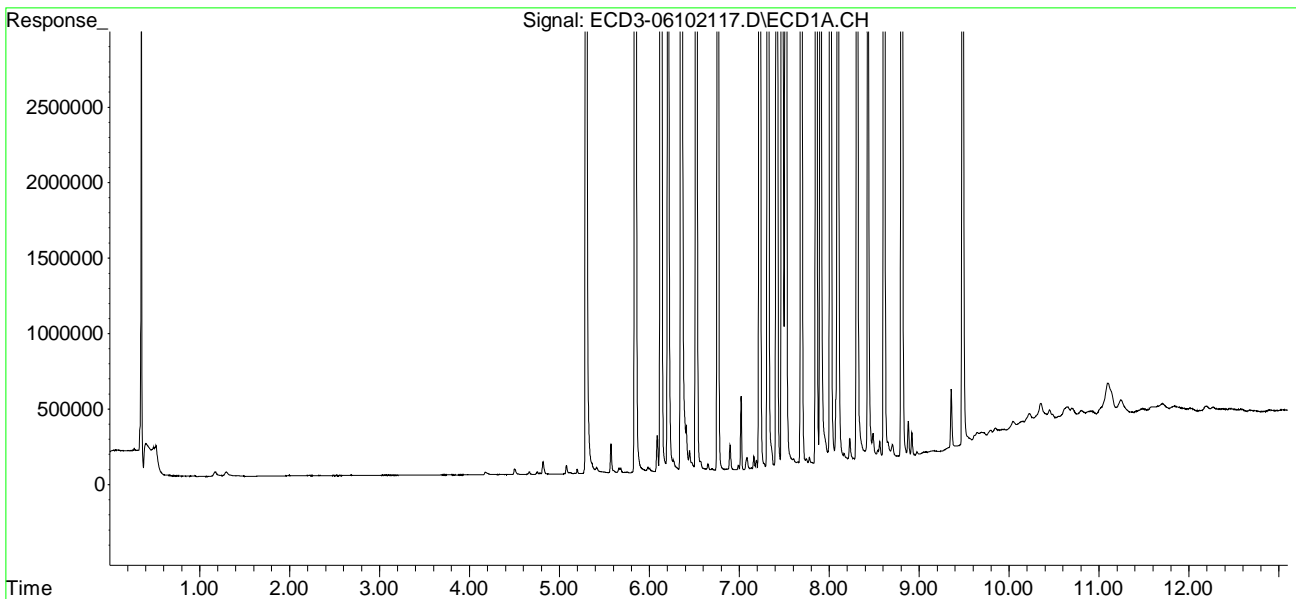
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.902	8.365f	14164856	8929881	76.777	84.221
31)	Mirex	8.541	9.294	50456	195511	BelowCal	2.586
32)	Chlordane...	7.320	7.736	17952198	11079081	820.183	808.033
33)	Chlordane...	7.417	7.843	17360108	10671319	783.626	904.026
34)	Chlordane...	0.000	8.530f	0	41316	N.D.	12.353 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.417	8.085	17360108	11483310	12915.485	9720.446
37)	Toxaphene...	7.690f	8.452	18814172	9257061	10647.050	5394.889 #
38)	Toxaphene...	8.015	8.452f	14504331	9257061	3486.871	3981.188
39)	Toxaphene...	0.000	8.546	0	44054	N.D.	7.350 #
40)	Toxaphene...	8.486	8.686f	165218	7548022	74.865	3929.155 #
41)	Toxaphene...	8.561	9.055f	107923	3972429	41.508	1898.695 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:25
Operator : MJB
Sample : 1F10034-CCV3
Misc : A21F093, 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: Jun 11 16:56:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102118.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:43
 Operator : MJB
 Sample : 1F10034-CCV4
 Misc : A21C332, 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: Jun 11 16:58:20 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds							
1) S TCMX (S)	5.272f	0.000	132931	0	0.767	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	6.120	0.000	24594	0	0.121	N.D.	#
4) b-BHC	0.000	6.610	0	16025	N.D.	0.285	#
5) Heptachlor	6.523	6.904	18728	12272	0.099	0.108	
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8) Heptachlo...	7.226	7.636f	10356168	60297	56.142	0.551	#
9) trans-Chl...	7.318	7.731	110891	7029120	0.575	62.146	#
10) cis-Chlor...	7.405	7.804f	17290555	10061036	95.124	91.524	
11) Endosulfa...	7.499	7.889	46866	3968	0.273	0.040	#
12) 4,4'-DDE	7.499f	0.000	46866	0	0.246	N.D.	#
13) Dieldrin	7.683	8.099	69138	6299855	0.361	56.656	#
14) Endrin	7.878f	8.318	18577768	6767246	128.018	80.536	
15) 4,4'-DDD	7.878f	8.358	18577768	11466822	128.649	135.657	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.305	8.698	9032	11738	5773.508	8826.823	#
19) Endosulfa...	8.588f	0.000	54155	0	0.405	N.D.	#
20) Methoxychlor	0.000	9.074	0	24860	N.D.	0.708	#
21) Endrin Ke...	8.809	9.249	6148	6718346	0.041	81.537	#
23) Hexachlor...	3.098	3.351	14790376	10657852	89.504	92.941	
24) Hexachlor...	5.682	6.090f	16070294	9871140	94.103	98.879	
25) Oxychlorane	7.151	7.529f	15467092	9593343	103.769	109.047	
26) 2,4'-DDE	7.226	7.731	10356168	7029120	87.484	98.169	
27) trans-Non...	7.405	7.804f	17290555	10061036	97.250	97.489	
28) 2,4'-DDD	7.601	8.099	9527030	6299855	92.837	101.869	
29) 2,4'-DDT	7.780	8.318	10401784	6767246	116.569	127.332	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102118.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:43
 Operator : MJB
 Sample : 1F10034-CCV4
 Misc : A21C332, 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: Jun 11 16:58:20 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

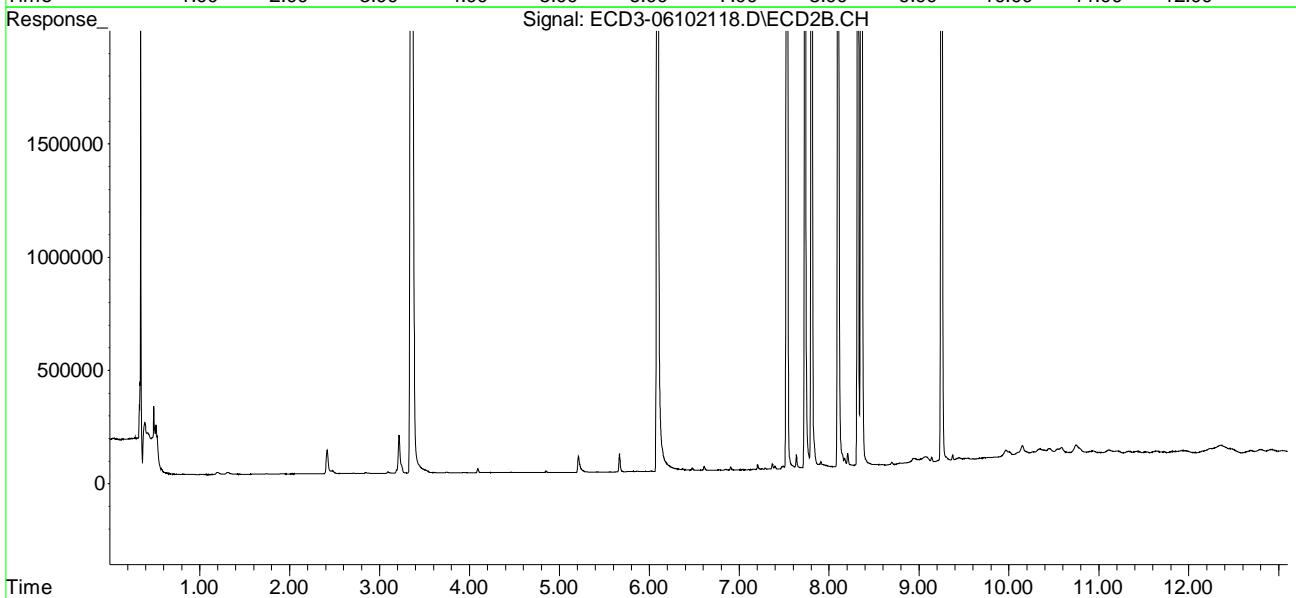
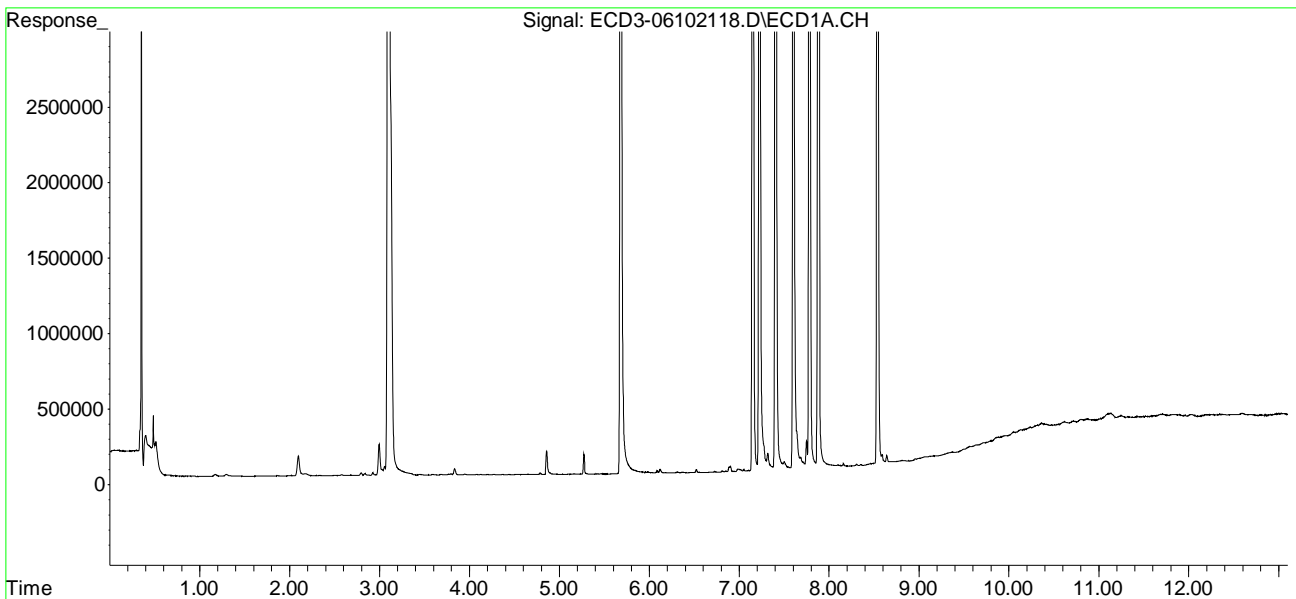
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.878	8.358f	18577768	11466822	99.917	107.999
31)	Mirex	8.538	9.249f	11548053	6718346	104.326	108.388
32)	Chlordane...	7.318	7.731	110891	7029120	5.066	512.656 #
33)	Chlordane...	7.405	7.889f	17290555	3968	780.487	0.336 #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	3.682	0.000	3990	0	NoCal	N.D.
36)	Toxaphene...	7.405	8.099	17290555	6299855	12877.371	5332.731 #
37)	Toxaphene...	7.683f	0.000	69138	0	39.125	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.305f	0.000	9032	0	BelowCal	N.D.
40)	Toxaphene...	8.538f	8.698f	11548053	11738	3406.833	6.110 #
41)	Toxaphene...	8.588	9.074	54155	24860	21.948	15.721
42)	Toxaphene...	3.682	0.000	3990	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:43
Operator : MJB
Sample : 1F10034-CCV4
Misc : A21C332, 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: Jun 11 16:58:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102118.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:43
 Operator : MJB
 Sample : 1F10034-CCV4
 Misc : A21C332, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:58:20 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds							
1) S TCMX (S)	5.272f	0.000	132931	0	0.767	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	6.120	0.000	24594	0	0.121	N.D.	#
4) b-BHC	0.000	6.610	0	16025	N.D.	0.285	#
5) Heptachlor	6.523	6.904	18728	12272	0.099	0.108	
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8) Heptachlo...	7.226	7.636f	10356168	60297	56.142	0.551	#
9) trans-Chl...	7.318	7.731	110891	7029120	0.575	62.146	#
10) cis-Chlor...	7.405	7.804f	17290555	10061036	95.124	91.524	
11) Endosulfa...	7.499	7.889	46866	3968	0.273	0.040	#
12) 4,4'-DDE	7.499f	0.000	46866	0	0.246	N.D.	#
13) Dieldrin	7.683	8.099	69138	6299855	0.361	56.656	#
14) Endrin	7.878f	8.318	18577768	6767246	128.018	80.536	
15) 4,4'-DDD	7.878f	8.358	18577768	11466822	128.649	135.657	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.305	8.698	9032	11738	5773.508	8826.823	#
19) Endosulfa...	8.588f	0.000	54155	0	0.405	N.D.	#
20) Methoxychlor	0.000	9.074	0	24860	N.D.	0.708	#
21) Endrin Ke...	8.809	9.249	6148	6718346	0.041	81.537	#
23) Hexachlor...	3.098	3.351	14790376	10657852	89.504	92.941	
24) Hexachlor...	5.682	6.090f	16070294	9871140	94.103	98.879	
25) Oxychlorane	7.151	7.529f	15467092	9593343	103.769	109.047	
26) 2,4'-DDE	7.226	7.731	10356168	7029120	87.484	98.169	
27) trans-Non...	7.405	7.804f	17290555	10061036	97.250	97.489	
28) 2,4'-DDD	7.601	8.099	9527030	6299855	92.837	101.869	
29) 2,4'-DDT	7.780	8.318	10401784	6767246	116.569	127.332	Q-41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102118.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 14:43
 Operator : MJB
 Sample : 1F10034-CCV4
 Misc : A21C332, 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: Jun 11 16:58:20 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

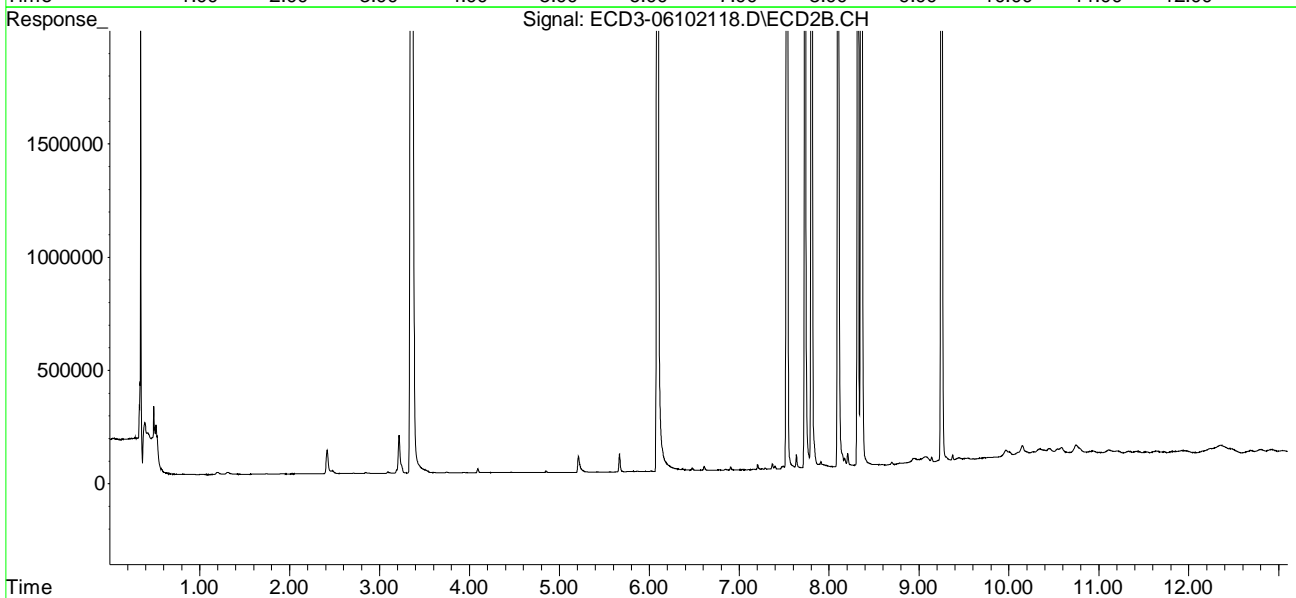
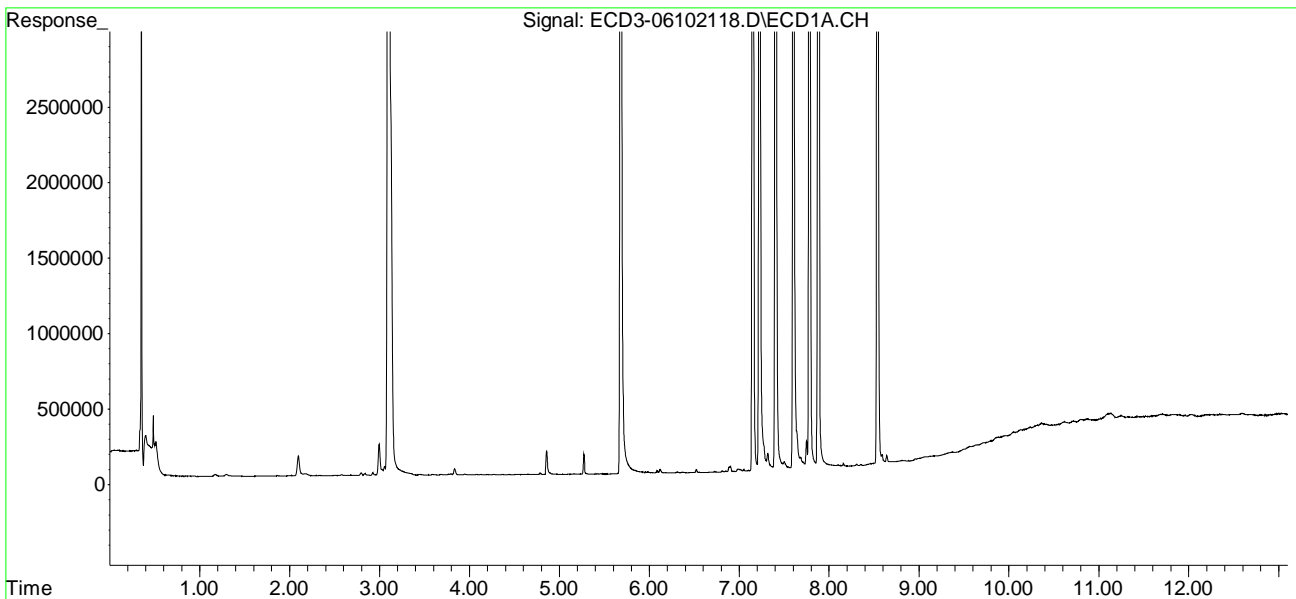
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.878	8.358f	18577768	11466822	99.917	107.999
31)	Mirex	8.538	9.249f	11548053	6718346	104.326	108.388
32)	Chlordane...	7.318	7.731	110891	7029120	5.066	512.656 #
33)	Chlordane...	7.405	7.889f	17290555	3968	780.487	0.336 #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	3.682	0.000	3990	0	NoCal	N.D.
36)	Toxaphene...	7.405	8.099	17290555	6299855	12877.371	5332.731 #
37)	Toxaphene...	7.683f	0.000	69138	0	39.125	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.305f	0.000	9032	0	BelowCal	N.D.
40)	Toxaphene...	8.538f	8.698f	11548053	11738	3406.833	6.110 #
41)	Toxaphene...	8.588	9.074	54155	24860	21.948	15.721
42)	Toxaphene...	3.682	0.000	3990	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 14:43
Operator : MJB
Sample : 1F10034-CCV4
Misc : A21C332, 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: Jun 11 16:58:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102119.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 15:00
 Operator : MJB
 Sample : 1F10034-CCB2
 Misc : A21E369
 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: Jun 11 16:59:34 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds							
1) S	TCMX (S)	5.300	5.632	15554224	9091564	89.713	88.819
22) S	DCBP (S)	9.486	10.099	11496496	6605613	87.985	102.289
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9)	trans-Chl...	7.314	7.768f	6456	6127	0.034	0.054 #
10)	cis-Chlor...	7.441f	0.000	7191	0	BelowCal	N.D.
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12)	4,4'-DDE	7.441f	0.000	7191	0	0.038	N.D. #
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14)	Endrin	0.000	8.324	0	1958	N.D.	0.023 #
15)	4,4'-DDD	0.000	8.360	0	991	N.D.	0.012 #
16)	Endosulfa...	8.022	0.000	2650	0	0.018	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	8.879	0	763	N.D.	0.011 #
20)	Methoxychlor	8.471f	9.045	3058	10215	0.054	0.291 #
21)	Endrin Ke...	8.813	9.283	8344	9326	0.056	0.113 #
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	5.682	0.000	24086	0	BelowCal	N.D.
25)	Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26)	2,4'-DDE	0.000	7.768f	0	6127	N.D.	BelowCal
27)	trans-Non...	7.441f	0.000	7191	0	BelowCal	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	0.000	8.324	0	1958	N.D.	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102119.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 15:00
 Operator : MJB
 Sample : 1F10034-CCB2
 Misc : A21E369
 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: Jun 11 16:59:34 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

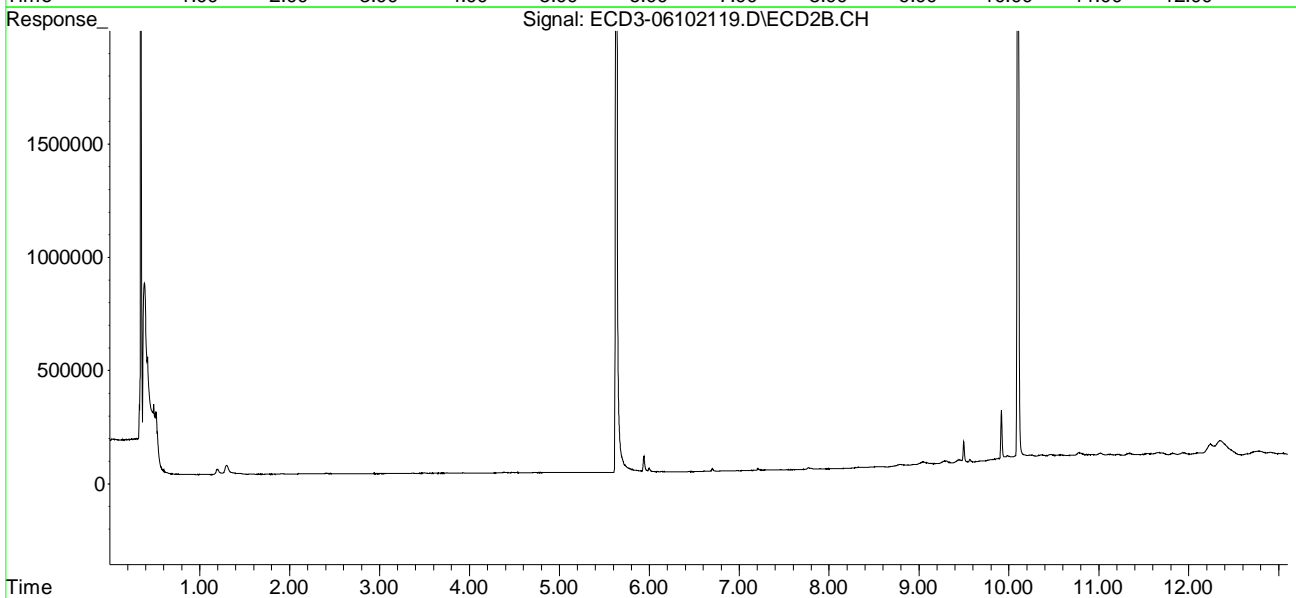
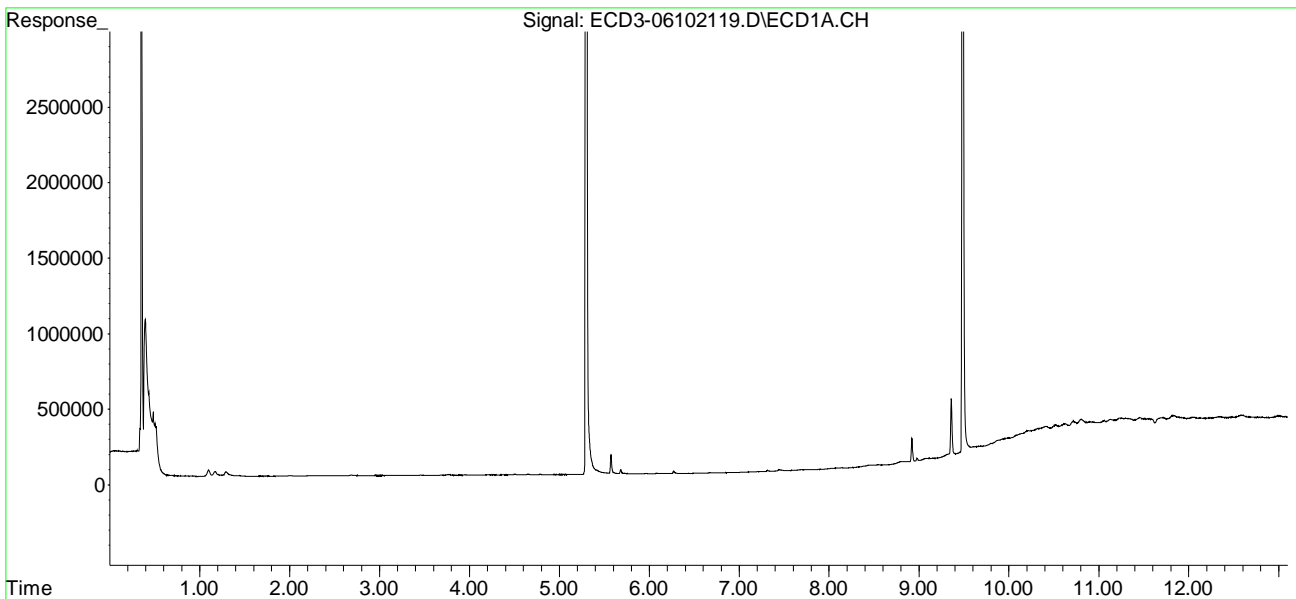
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.360f	0	991	N.D.	BelowCal
31)	Mirex	0.000	9.283	0	9326	N.D.	BelowCal
32)	Chlordane...	7.314	7.768f	6456	6127	0.295	0.447 #
33)	Chlordane...	7.441f	0.000	7191	0	0.325	N.D. #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.441	0.000	7191	0	11.203	N.D. #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	8.022	0.000	2650	0	2.076	N.D. #
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	8.495	0.000	1769	0	3.636	N.D. #
41)	Toxaphene...	0.000	9.130f	0	2341	N.D.	2.348 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 15:00
Operator : MJB
Sample : 1F10034-CCB2
Misc : A21E369
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: Jun 11 16:59:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102119.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 15:00
 Operator : MJB
 Sample : 1F10034-CCB2
 Misc : A21E369
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 16:59:34 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.300	5.632	15554224	9091564	89.713	88.819
22) S DCBP (S)	9.486	10.099	11496496	6605613	87.985	102.289
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.314	7.768f	6456	6127	0.034	0.054 #
10) cis-Chlor...	7.441f	0.000	7191	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.441f	0.000	7191	0	0.038	N.D. #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.324	0	1958	N.D.	0.023 #
15) 4,4'-DDD	0.000	8.360	0	991	N.D.	0.012 #
16) Endosulfa...	8.022	0.000	2650	0	0.018	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	8.879	0	763	N.D.	0.011 #
20) Methoxychlor	8.471f	9.045	3058	10215	0.054	0.291 #
21) Endrin Ke...	8.813	9.283	8344	9326	0.056	0.113 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.682	0.000	24086	0	BelowCal	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	7.768f	0	6127	N.D.	BelowCal
27) trans-Non...	7.441f	0.000	7191	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	8.324	0	1958	N.D.	BelowCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102119.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 15:00
 Operator : MJB
 Sample : 1F10034-CCB2
 Misc : A21E369
 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: Jun 11 16:59:34 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

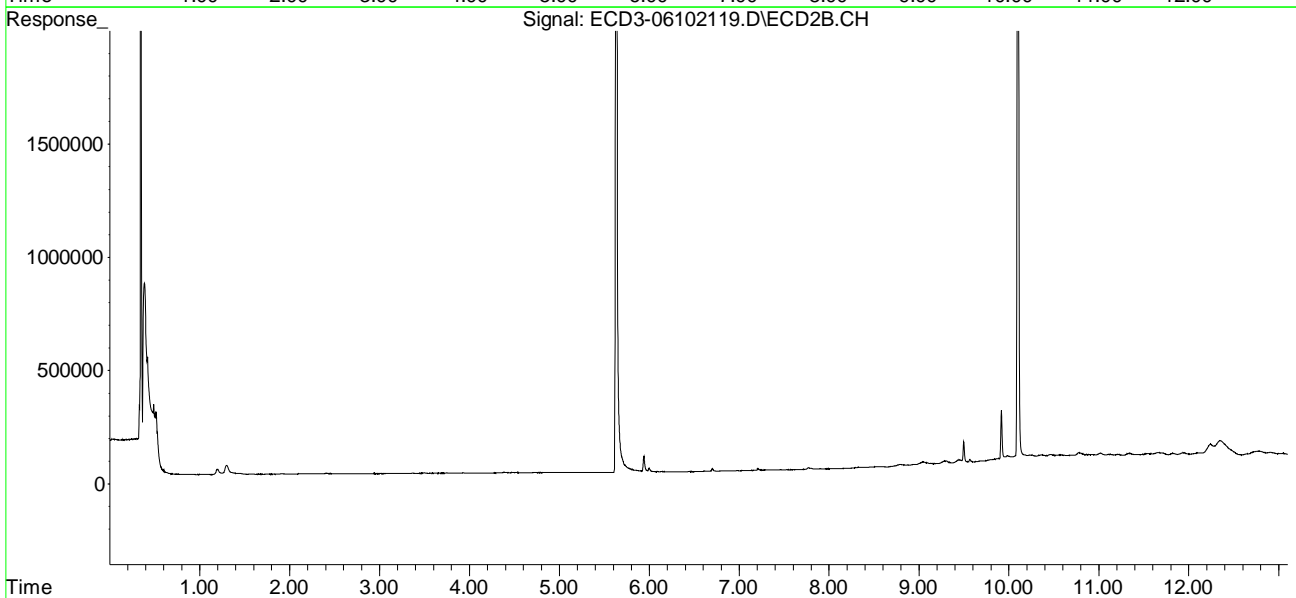
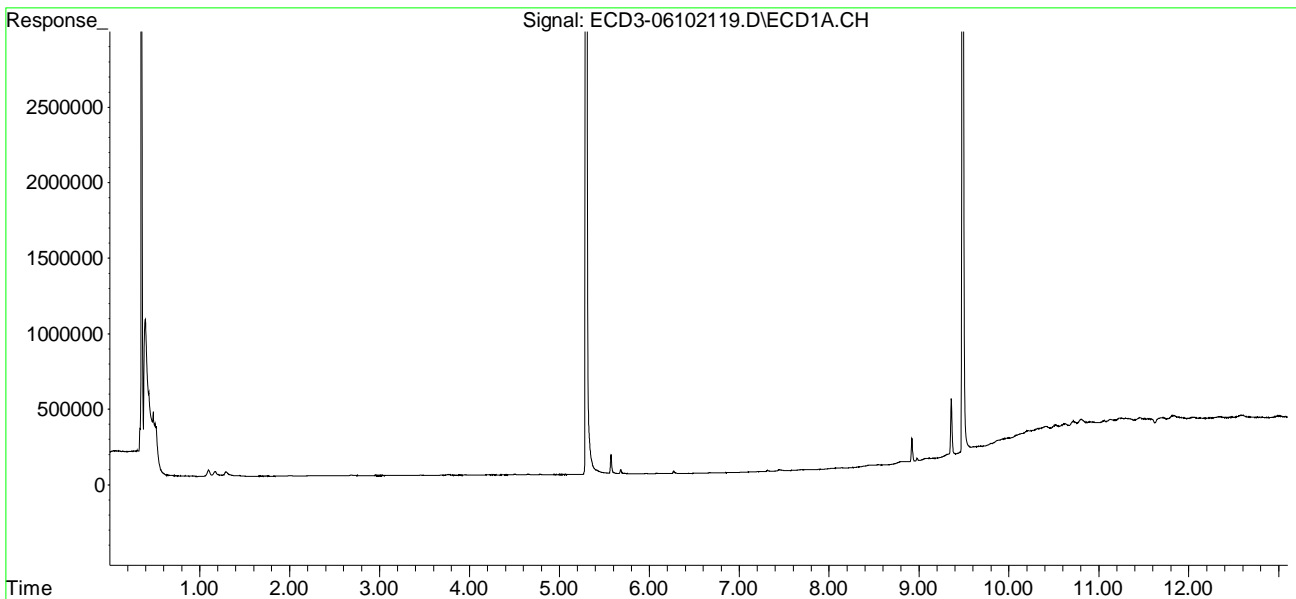
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.360f	0	991	N.D.	BelowCal
31)	Mirex	0.000	9.283	0	9326	N.D.	BelowCal
32)	Chlordane...	7.314	7.768f	6456	6127	0.295	0.447 #
33)	Chlordane...	7.441f	0.000	7191	0	0.325	N.D. #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.441	0.000	7191	0	11.203	N.D. #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	8.022	0.000	2650	0	2.076	N.D. #
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40)	Toxaphene...	8.495	0.000	1769	0	3.636	N.D. #
41)	Toxaphene...	0.000	9.130f	0	2341	N.D.	2.348 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 15:00
Operator : MJB
Sample : 1F10034-CCB2
Misc : A21E369
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: Jun 11 16:59:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102120.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 15:17
 Operator : MJB
 Sample : 1F10034-IBL1
 Misc : GPC 1 Blank
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:00:29 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.633	8185	3923	0.047	0.038
22) S DCBP (S)	9.487	10.098	12924	13706	0.099	5536.370 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.533	0.000	5544	0	0.029	N.D. #
6) d-BHC	6.317f	6.832	6611	6292	0.036	0.057 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.229	7.576f	6864	58341	0.037	0.533 #
9) trans-Chl...	0.000	7.734	0	15271	N.D.	0.135 #
10) cis-Chlor...	7.402	0.000	5259	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.473	0.000	7755	0	0.041	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...	8.013	8.464	2502	3459	0.017	0.039 #
17) 4,4'-DDT	8.123f	8.587	2072	5992	0.018	0.094 #
18) Endrin Al...	8.318	8.676	3898	13565	5773.552	8826.798 #
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	8.432	0.000	8186	0	0.144	N.D. #
21) Endrin Ke...	8.811	9.299f	7367	18339	0.049	0.223 #
23) Hexachlor...	3.095	0.000	9796	0	2279.233	N.D. #
24) Hexachlor...	5.682	6.126	6806	4720	BelowCal	BelowCal
25) Oxychlorane	0.000	7.576f	0	58341	N.D.	0.258 #
26) 2,4'-DDE	7.229	7.734	6864	15271	BelowCal	BelowCal
27) trans-Non...	7.402	0.000	5259	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.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
 Data File : ECD3-06102120.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Jun 2021 15:17
 Operator : MJB
 Sample : 1F10034-IBL1
 Misc : GPC 1 Blank
 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: Jun 11 17:00:29 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

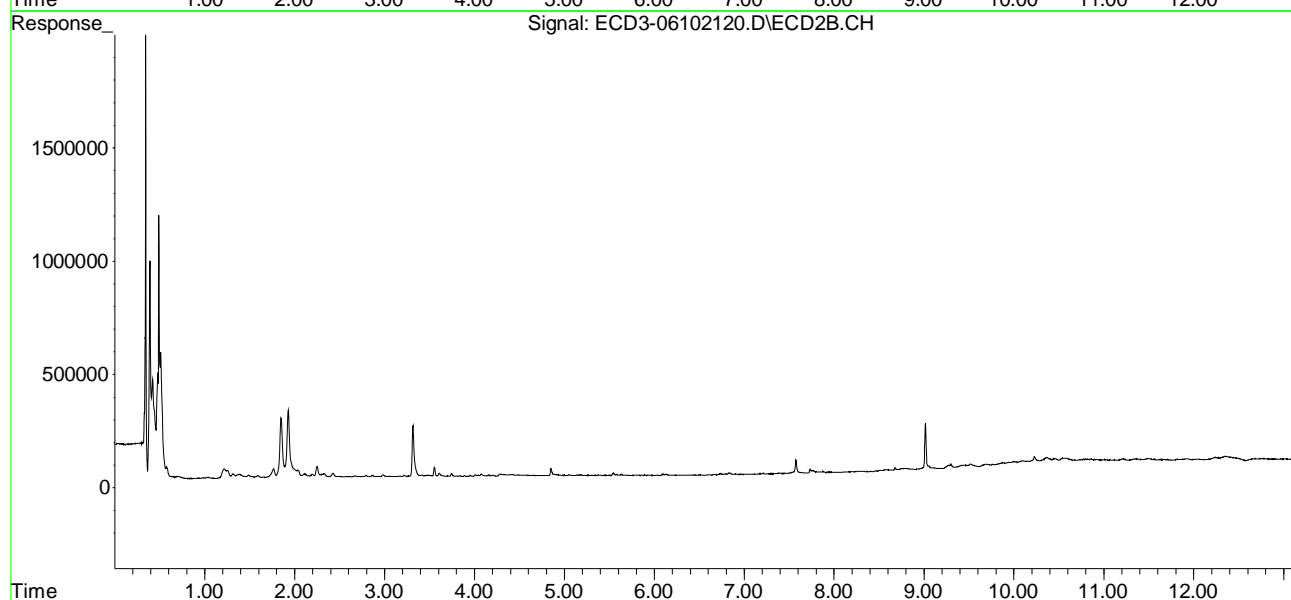
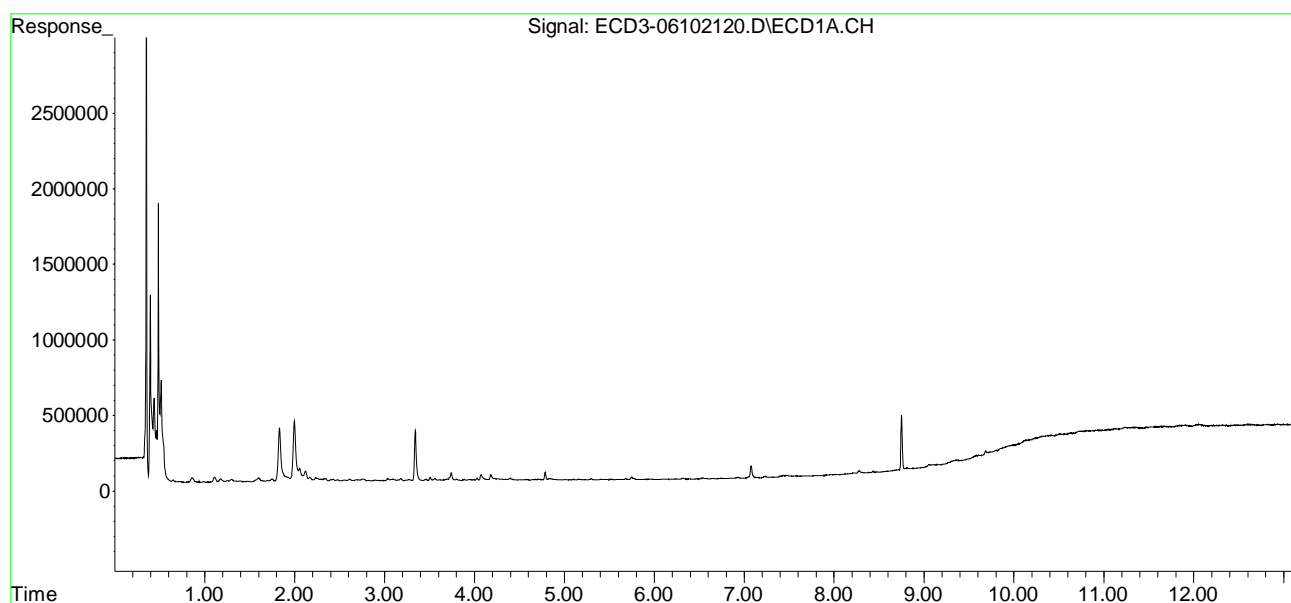
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	9.299	0	18339	N.D.	BelowCal
32)	Chlordane...	0.000	7.734	0	15271	N.D.	1.114 #
33)	Chlordane...	7.402	0.000	5259	0	0.237	N.D. #
34)	Chlordane...	7.967	8.464f	2877	3459	0.505	1.034 #
35)	Chlordane...	3.696	0.000	6347	0	NoCal	N.D.
36)	Toxaphene...	7.436	0.000	10220	0	14.712	N.D. #
37)	Toxaphene...	0.000	8.464	0	3459	N.D.	5.731 #
38)	Toxaphene...	8.013	8.464	2502	3459	2.030	3.466 #
39)	Toxaphene...	8.276	8.587f	16109	5992	1.098	BelowCal #
40)	Toxaphene...	8.475f	8.749f	2243	8289	3.845	4.315
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	3.696	0.000	6347	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F10034\
Data File : ECD3-06102120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Jun 2021 15:17
Operator : MJB
Sample : 1F10034-IBL1
Misc : GPC 1 Blank
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: Jun 11 17:00:29 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



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

Sequence 1F11025 (A1E0231-01RE2,03RE1,04RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **1F11025**

Instrument: **DUALECD3**

Date: **06/11/21 11:12**

Calibration: **A1E1407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1F11025-BKD1	Sediment	QC	QC				A21E276
2	1F11025-CCV1	Sediment	QC	QC				A21F092
3	1F11025-CCV2	Sediment	QC	QC				A21C331
4	1F11025-CCB1	Sediment	QC	QC				A21F130
5	A1E0231-01RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
6	A1E0231-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
7	A1E0231-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/18/21	1060443		
8	1060443-MS1	Sediment	QC	QC		1060443		
9	1F11025-CCV3	Sediment	QC	QC				A21F093
10	1F11025-CCV4	Sediment	QC	QC				A21C332
11	1F11025-CCB2	Sediment	QC	QC				A21F130

Standard	Description:	Expires:
A21C331	8081 9-42 Pest 50 ppb Calibration (Level 6)	9/25/2021
A21C332	8081 9-42 Pest 100 ppb Calibration (Level 7)	9/25/2021
A21E276	8081 Breakdown Check	11/18/2021
A21F092	8081 Mix ABPesticide 50 ppb Calibration (Level 6)	8/22/2021
A21F093	8081 Mix ABPesticide 100 ppb Calibration (Level 7)	8/22/2021
A21F130	8082 Instrument Blank	12/7/2021

Data Entered By/Date: MJB 6/14/21 Comments:

Data Reviewed By/Date: MKZ 6/14/2021

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1F11025 BKD1
Data File: ECD3-06112103.D

MJB 6/11/21

First Column Area Counts		Percent Breakdown	
DDE	689488		
DDD	7418421		
DDT	117065898	6.48	PASS
Endrin	63110876	15.92	FAIL
Endrin Aldehyde	4070259		
Endrin Ketone	7876951		

DDx Only

Second Column Area Counts		Percent Breakdown	
DDE	506894		
DDD	4024934		
DDT	72360609	5.89	PASS
Endrin	40230914	13.24	PASS
Endrin Aldehyde	2505546		
Endrin Ketone	3632618		

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\3\data\2021-06\1F11025\
 Data File : ECD3-06112103.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 11:58
 Operator : MJB
 Sample : 1F11025-BKD1
 Misc : A21E276
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 12:12:12 2021
 Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210513RT3.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

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.480	689488	NoCal	ng/mL
2) Endrin	7.856	63110876	NoCal	ng/mL
3) 4,4'-DDD	7.906	7418421	NoCal	ng/mL
4) 4,4'-DDT	8.098	117065898	NoCal	ng/mL
5) Endrin Aldehyde	8.310	4070259	NoCal	ng/mL
6) Endrin Ketone	8.808	7876951	NoCal	ng/mL
8) 4,4'-DDE [2C]	7.958	506894	NoCal	ng/mL
9) Endrin [2C]	8.305	40230914	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.367	4024934	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.687	2505546	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.588	72360609	NoCal	ng/mL
13) Endrin Ketone [2C]	9.261	3632618	NoCal	ng/mL

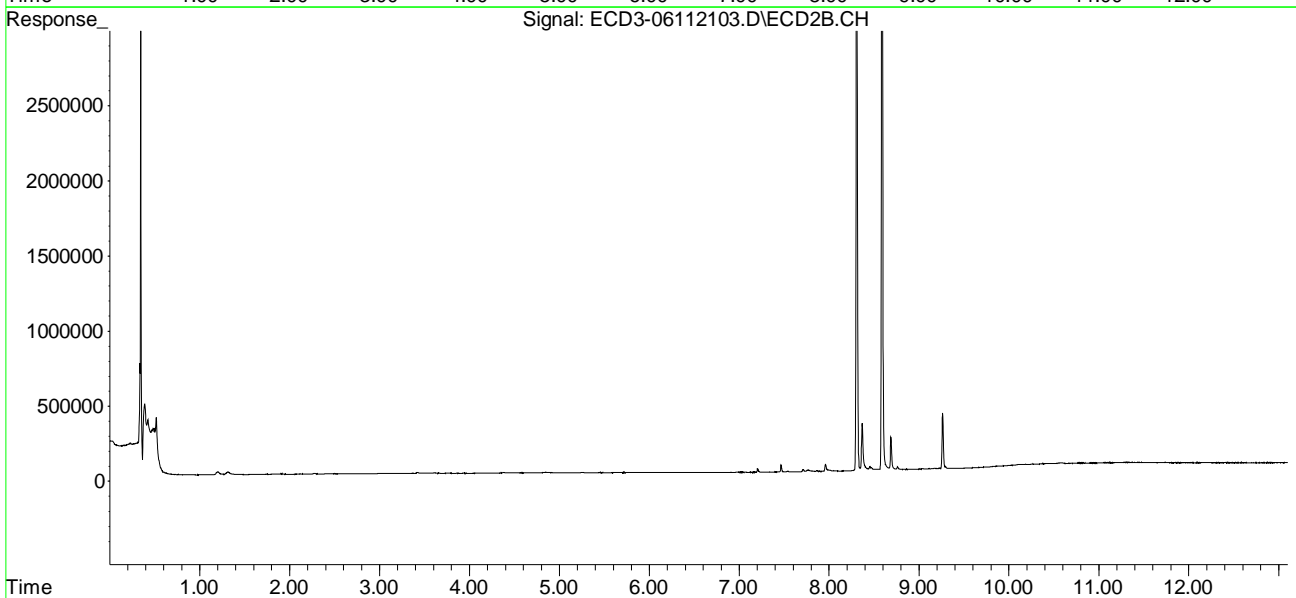
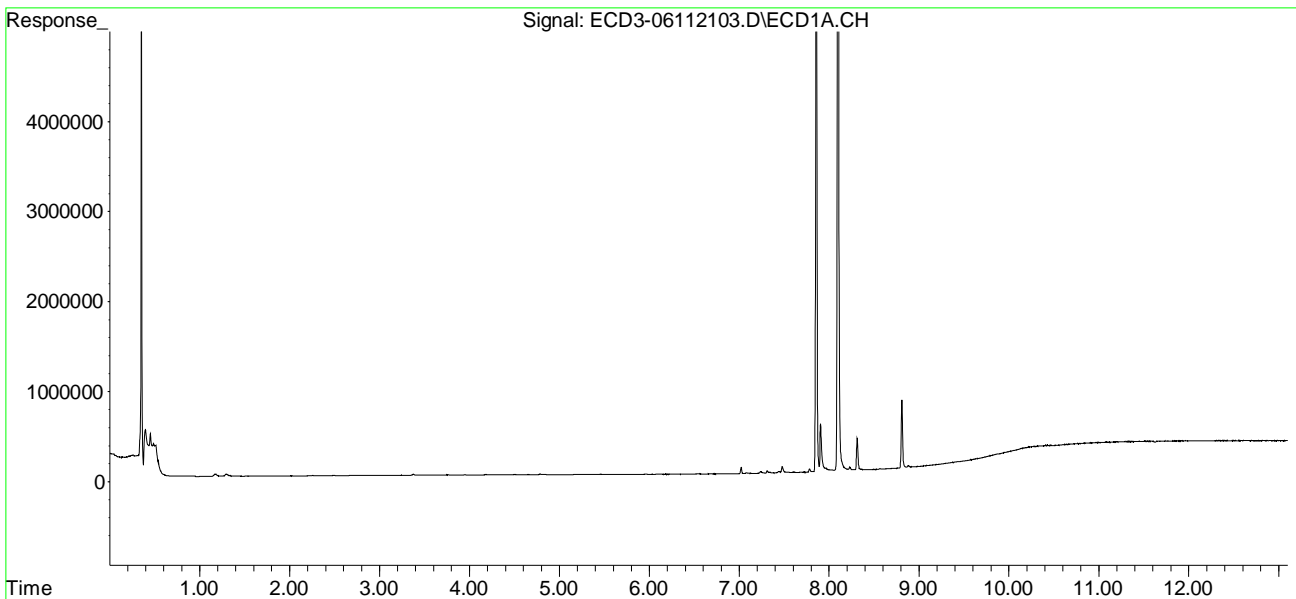
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112103.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 11:58
Operator : MJB
Sample : 1F11025-BKD1
Misc : A21E276
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: Jun 11 12:12:12 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210513RT3.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



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112104.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:15
 Operator : MJB
 Sample : 1F11025-CCV1
 Misc : A21F092, 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: Jun 11 17:12:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.631	8016358	4797756	46.237	46.871
22) S DCBP (S)	9.486	10.100	5926874	3422353	45.359	52.409
Target Compounds						
2) a-BHC	5.845	6.222	11918153	7517097	50.493	52.066
3) g-BHC	6.128	6.535	10217412	6632102	50.231	53.294
4) b-BHC	6.209	6.605	3845761	2695515	42.457	48.015
5) Heptachlor	6.523	6.904	9999632	6573928	52.866	57.957
6) d-BHC	6.357	6.849	8515514	6066134	46.120	54.715
7) Aldrin	6.762	7.163	9860316	6401086	46.464	50.955
8) Heptachlo...	7.228	7.597	8774017	5656737	47.565	51.676
9) trans-Chl...	7.320	7.737	9119704	5627526	47.329	49.754
10) cis-Chlor...	7.417	7.844	8635684	5386420	48.078	49.000
11) Endosulfa...	7.517	7.888	8172642	5065498	47.655	50.536
12) 4,4'-DDE	7.478	7.956	7905136	5382245	41.574	48.777
13) Dieldrin	7.690	8.086	9289468	5909793	48.522	53.148
14) Endrin	7.856	8.306	7429539	4761674	51.197	56.668
15) 4,4'-DDD	7.903	8.367	6511879	4442472	45.094	52.556
16) Endosulfa...	8.016	8.454	7139404	4570971	49.101	51.956
17) 4,4'-DDT	8.097	8.588	6218215	4051369	54.879	63.604
18) Endrin Al...	8.309	8.688	6038760	3854061	52.231	54.504
19) Endosulfa...	8.611	8.881	7094005	4407115	53.030	61.090
20) Methoxychlor	8.433	9.057	2645802	1941032	46.561	55.262
21) Endrin Ke...	8.808	9.262	8534946	5296572	57.276	64.281
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.683	0.000	14204	0	BelowCal	N.D.
25) Oxychlorane	7.163	7.567	44291	5351	BelowCal	BelowCal
26) 2,4'-DDE	7.228	7.737	8774017	5627526	74.219	78.770
27) trans-Non...	7.417	7.844	8635684	5386420	49.164	52.153
28) 2,4'-DDD	7.603	8.086	35145	5909793	BelowCal	95.797
29) 2,4'-DDT	7.780	8.306	22384	4761674	BelowCal	92.384

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112104.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:15
 Operator : MJB
 Sample : 1F11025-CCV1
 Misc : A21F092, 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: Jun 11 17:12:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

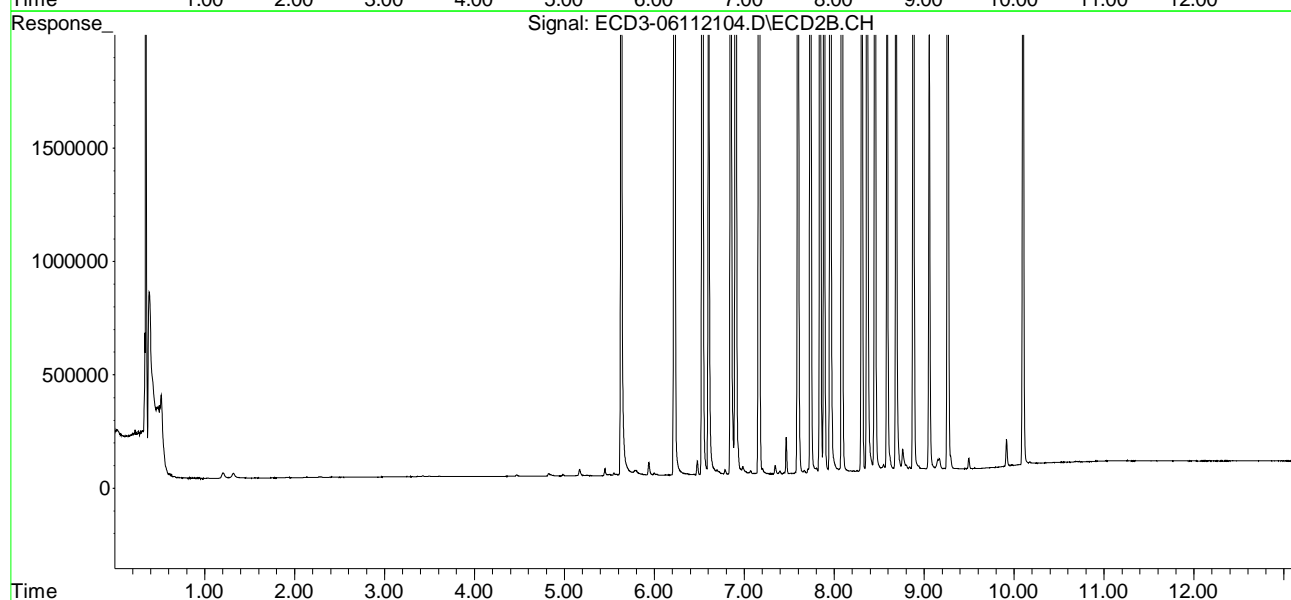
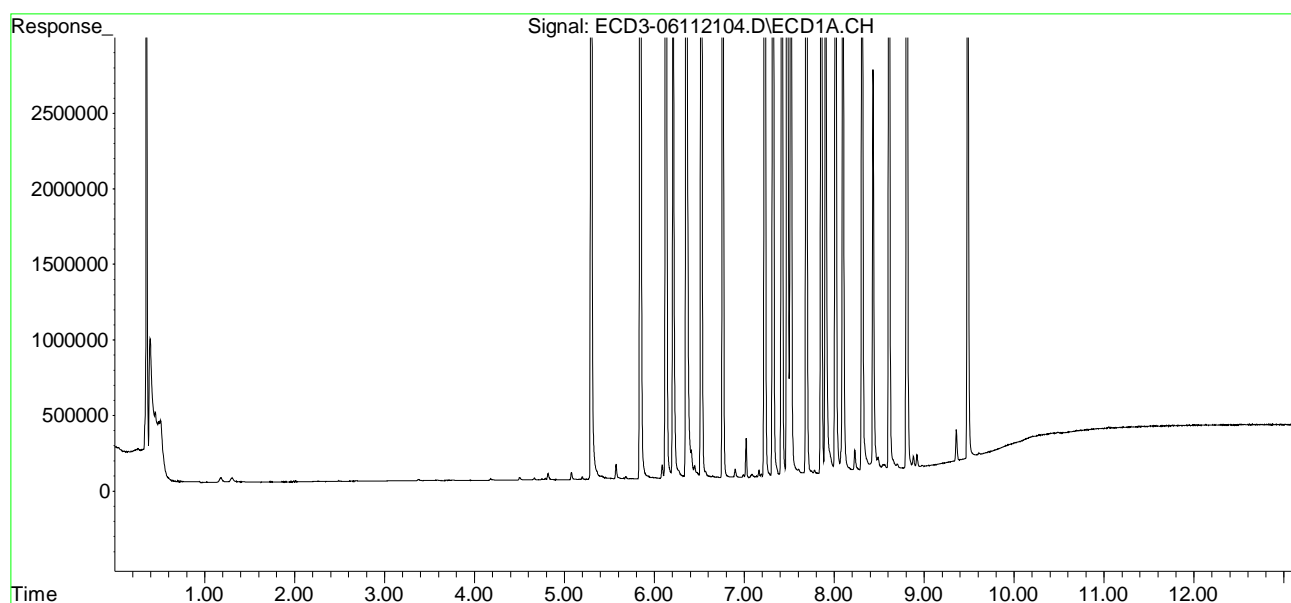
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.903	8.367	6511879	4442472	35.669	41.884
31)	Mirex	8.542	9.294	34131	58946	BelowCal	0.368
32)	Chlordane...	7.320	7.737	9119704	5627526	416.652	410.433
33)	Chlordane...	7.417	7.844	8635684	5386420	389.810	456.313
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.417	8.086	8635684	5909793	7550.178	5002.550
37)	Toxaphene...	7.690f	8.454	9289468	4570971	5256.965	2983.225 #
38)	Toxaphene...	8.016	8.454f	7139404	4570971	1922.000	2185.495
39)	Toxaphene...	0.000	8.548	0	27281	N.D.	1.569 #
40)	Toxaphene...	8.485	8.760f	84090	92738	39.693	48.275
41)	Toxaphene...	8.561	9.057f	32283	1941032	13.964	1021.281 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 12:15
Operator : MJB
Sample : 1F11025-CCV1
Misc : A21F092, 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: Jun 11 17:12:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112104.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:15
 Operator : MJB
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 Misc : A21F092, AB 50 ppb
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

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 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:12:58 2021
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Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.631	8016358	4797756	46.237	46.871
22) S DCBP (S)	9.486	10.100	5926874	3422353	45.359	52.409
Target Compounds						
2) a-BHC	5.845	6.222	11918153	7517097	50.493	52.066
3) g-BHC	6.128	6.535	10217412	6632102	50.231	53.294
4) b-BHC	6.209	6.605	3845761	2695515	42.457	48.015
5) Heptachlor	6.523	6.904	9999632	6573928	52.866	57.957
6) d-BHC	6.357	6.849	8515514	6066134	46.120	54.715
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8) Heptachlo...	7.228	7.597	8774017	5656737	47.565	51.676
9) trans-Chl...	7.320	7.737	9119704	5627526	47.329	49.754
10) cis-Chlor...	7.417	7.844	8635684	5386420	48.078	49.000
11) Endosulfa...	7.517	7.888	8172642	5065498	47.655	50.536
12) 4,4'-DDE	7.478	7.956	7905136	5382245	41.574	48.777
13) Dieldrin	7.690	8.086	9289468	5909793	48.522	53.148
14) Endrin	7.856	8.306	7429539	4761674	51.197	56.668
15) 4,4'-DDD	7.903	8.367	6511879	4442472	45.094	52.556
16) Endosulfa...	8.016	8.454	7139404	4570971	49.101	51.956
17) 4,4'-DDT	8.097	8.588	6218215	4051369	54.879	63.604 Q-41
18) Endrin Al...	8.309	8.688	6038760	3854061	52.231	54.504
19) Endosulfa...	8.611	8.881	7094005	4407115	53.030	61.090
20) Methoxychlor	8.433	9.057	2645802	1941032	46.561	55.262
21) Endrin Ke...	8.808	9.262	8534946	5296572	57.276	64.281
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.683	0.000	14204	0	BelowCal	N.D.
25) Oxychlorane	7.163	7.567	44291	5351	BelowCal	BelowCal
26) 2,4'-DDE	7.228	7.737	8774017	5627526	74.219	78.770
27) trans-Non...	7.417	7.844	8635684	5386420	49.164	52.153
28) 2,4'-DDD	7.603	8.086	35145	5909793	BelowCal	95.797
29) 2,4'-DDT	7.780	8.306	22384	4761674	BelowCal	92.384

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112104.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:15
 Operator : MJB
 Sample : 1F11025-CCV1
 Misc : A21F092, 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: Jun 11 17:12:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

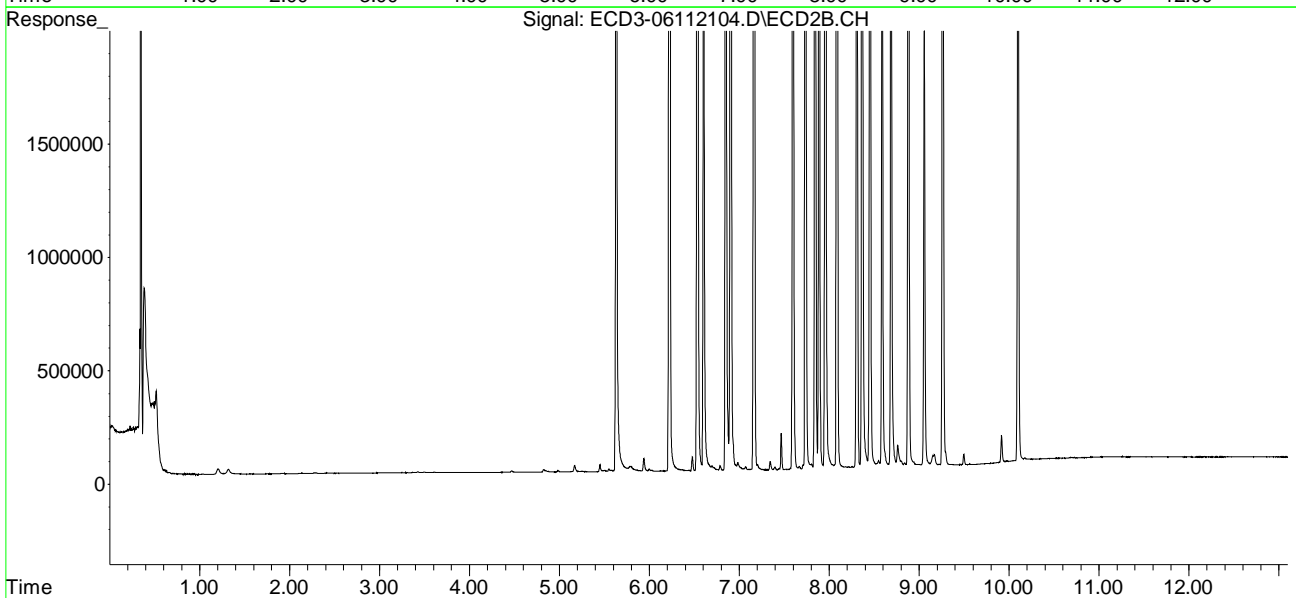
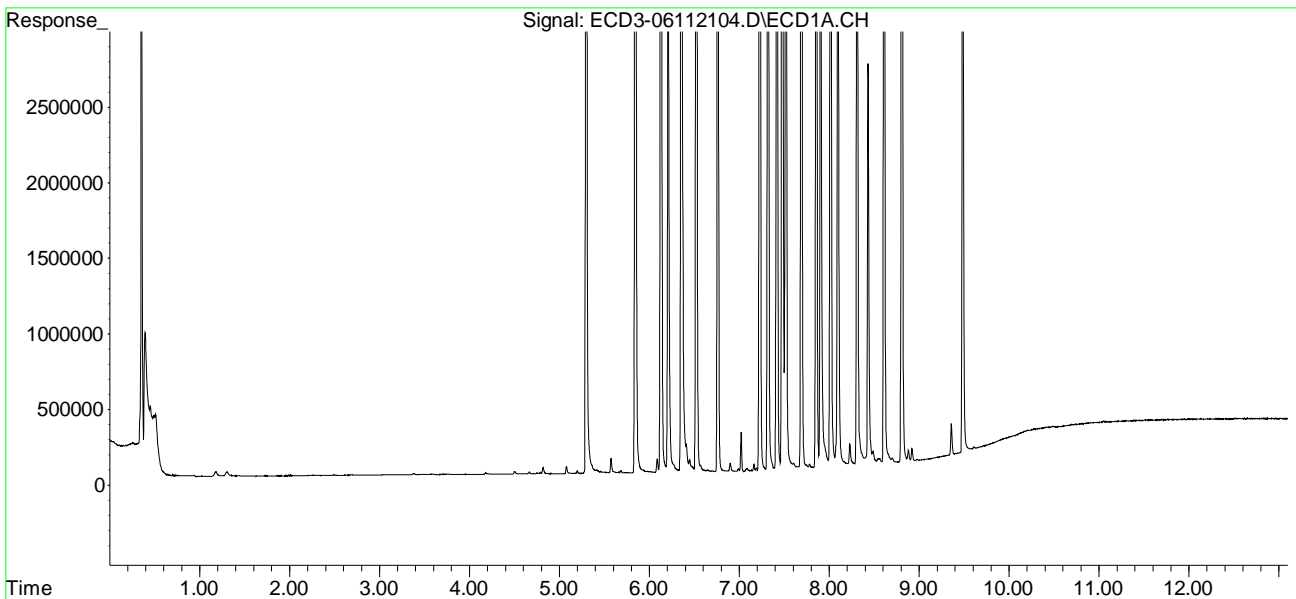
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.903	8.367	6511879	4442472	35.669	41.884
31)	Mirex	8.542	9.294	34131	58946	BelowCal	0.368
32)	Chlordane...	7.320	7.737	9119704	5627526	416.652	410.433
33)	Chlordane...	7.417	7.844	8635684	5386420	389.810	456.313
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.417	8.086	8635684	5909793	7550.178	5002.550
37)	Toxaphene...	7.690f	8.454	9289468	4570971	5256.965	2983.225 #
38)	Toxaphene...	8.016	8.454f	7139404	4570971	1922.000	2185.495
39)	Toxaphene...	0.000	8.548	0	27281	N.D.	1.569 #
40)	Toxaphene...	8.485	8.760f	84090	92738	39.693	48.275
41)	Toxaphene...	8.561	9.057f	32283	1941032	13.964	1021.281 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 12:15
Operator : MJB
Sample : 1F11025-CCV1
Misc : A21F092, 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: Jun 11 17:12:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112105.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:33
 Operator : MJB
 Sample : 1F11025-CCV2
 Misc : A21C331, 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: Jun 11 17:14:45 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.272f	5.669f	63882	38861	0.368	0.380
22) S DCBP (S)	0.000	10.123f	0	4150	N.D.	5536.516 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.121	0.000	11421	0	0.056	N.D. #
4) b-BHC	0.000	6.610	0	7631	N.D.	0.136 #
5) Heptachlor	6.523	6.904	11108	7866	0.059	0.069
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.227	7.636f	4541122	38010	24.618	0.347 #
9) trans-Chl...	7.319	7.731	62129	3200127	0.322	28.293 #
10) cis-Chlor...	7.405	7.804f	7847974	4933100	43.730	44.876
11) Endosulfa...	7.501	7.910f	29717	9437	0.173	0.094 #
12) 4,4'-DDE	7.501f	0.000	29717	0	0.156	N.D. #
13) Dieldrin	7.684	8.100	40011	2867007	0.209	25.784 #
14) Endrin	7.879f	8.319	8302429	2892806	57.212	34.427
15) 4,4'-DDD	7.879f	8.358	8302429	5327032	57.493	63.021
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.305	8.698	5920	5176	5773.535	8826.916 #
19) Endosulfa...	8.589f	0.000	29940	0	0.224	N.D. #
20) Methoxychlor	8.429	0.000	499	0	0.009	N.D. #
21) Endrin Ke...	0.000	9.250	0	3071166	N.D.	37.273 #
23) Hexachlor...	3.098	3.350	7290216	5535299	43.103	45.998
24) Hexachlor...	5.681	6.090f	7346501	4462293	43.548	44.791
25) Oxychlorane	7.151	7.529f	6940654	4383757	46.728	49.835
26) 2,4'-DDE	7.227	7.731	4541122	3200127	38.467	44.884
27) trans-Non...	7.405	7.804f	7847974	4933100	44.712	47.742
28) 2,4'-DDD	7.603	8.100	4147065	2867007	41.190	47.296
29) 2,4'-DDT	7.781	8.319	4315552	2892806	51.208	57.825

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112105.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:33
 Operator : MJB
 Sample : 1F11025-CCV2
 Misc : A21C331, 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: Jun 11 17:14:45 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

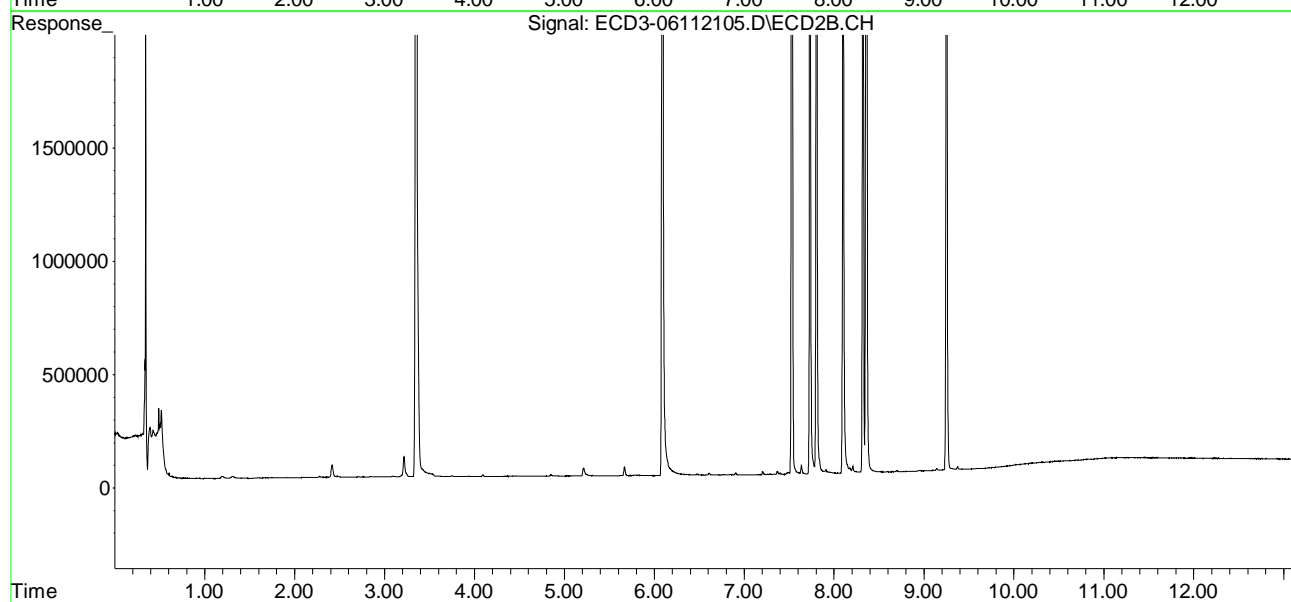
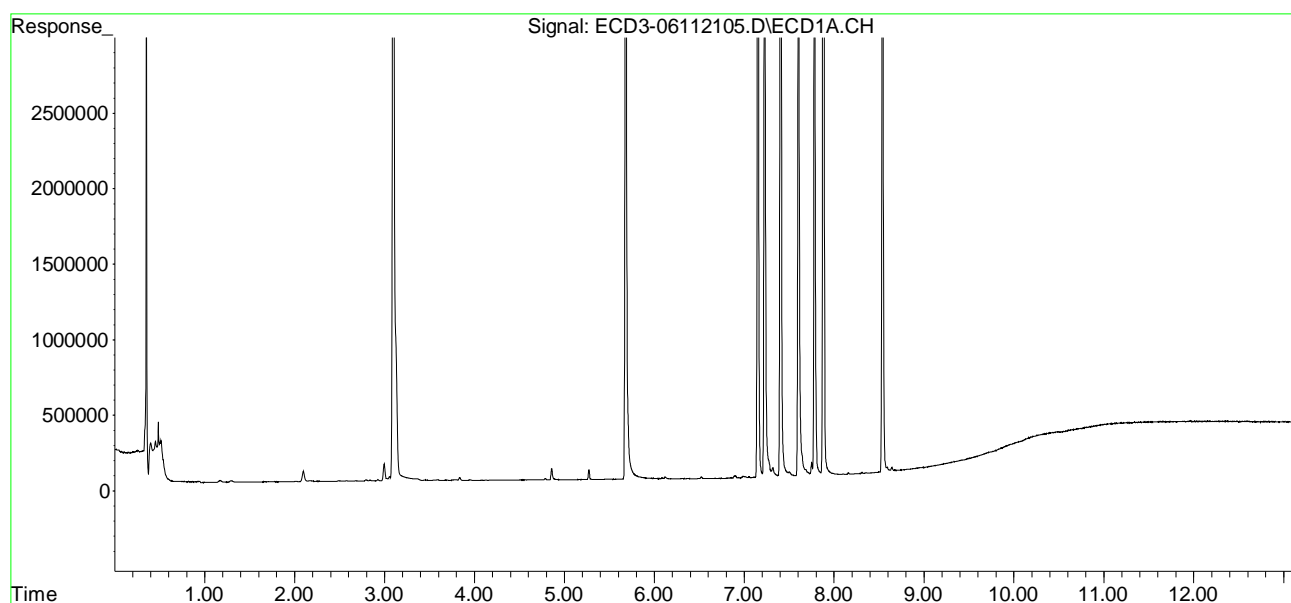
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.879	8.358f	8302429	5327032	45.403	50.258
31)	Mirex	8.538	9.250f	5178728	3071166	47.031	49.269
32)	Chlordane...	7.319	7.731	62129	3200127	2.838	233.396 #
33)	Chlordane...	7.405	0.000	7847974	0	354.253	N.D. #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.405	8.100	7847974	2867007	6989.505	2426.878 #
37)	Toxaphene...	7.684f	0.000	40011	0	22.642	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.305f	0.000	5920	0	BelowCal	N.D.
40)	Toxaphene...	8.538f	8.698f	5178728	5176	1809.703	2.695 #
41)	Toxaphene...	8.589f	0.000	29940	0	13.107	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 12:33
Operator : MJB
Sample : 1F11025-CCV2
Misc : A21C331, 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: Jun 11 17:14:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112105.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:33
 Operator : MJB
 Sample : 1F11025-CCV2
 Misc : A21C331, 9-42 50 ppb
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:14:45 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.272f	5.669f	63882	38861	0.368	0.380
22) S DCBP (S)	0.000	10.123f	0	4150	N.D.	5536.516 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.121	0.000	11421	0	0.056	N.D. #
4) b-BHC	0.000	6.610	0	7631	N.D.	0.136 #
5) Heptachlor	6.523	6.904	11108	7866	0.059	0.069
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.227	7.636f	4541122	38010	24.618	0.347 #
9) trans-Chl...	7.319	7.731	62129	3200127	0.322	28.293 #
10) cis-Chlor...	7.405	7.804f	7847974	4933100	43.730	44.876
11) Endosulfa...	7.501	7.910f	29717	9437	0.173	0.094 #
12) 4,4'-DDE	7.501f	0.000	29717	0	0.156	N.D. #
13) Dieldrin	7.684	8.100	40011	2867007	0.209	25.784 #
14) Endrin	7.879f	8.319	8302429	2892806	57.212	34.427
15) 4,4'-DDD	7.879f	8.358	8302429	5327032	57.493	63.021
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.305	8.698	5920	5176	5773.535	8826.916 #
19) Endosulfa...	8.589f	0.000	29940	0	0.224	N.D. #
20) Methoxychlor	8.429	0.000	499	0	0.009	N.D. #
21) Endrin Ke...	0.000	9.250	0	3071166	N.D.	37.273 #
23) Hexachlor...	3.098	3.350	7290216	5535299	43.103	45.998
24) Hexachlor...	5.681	6.090f	7346501	4462293	43.548	44.791
25) Oxychlorane	7.151	7.529f	6940654	4383757	46.728	49.835
26) 2,4'-DDE	7.227	7.731	4541122	3200127	38.467	Q-3144.884
27) trans-Non...	7.405	7.804f	7847974	4933100	44.712	47.742
28) 2,4'-DDD	7.603	8.100	4147065	2867007	41.190	47.296
29) 2,4'-DDT	7.781	8.319	4315552	2892806	51.208	57.825

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112105.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:33
 Operator : MJB
 Sample : 1F11025-CCV2
 Misc : A21C331, 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: Jun 11 17:14:45 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

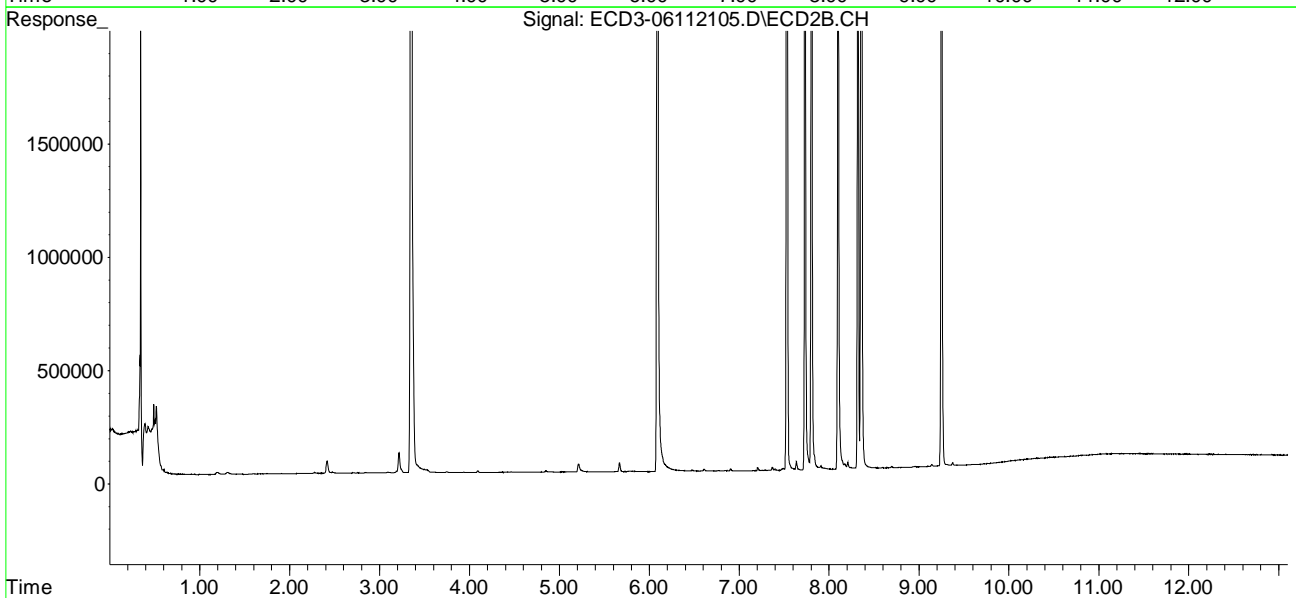
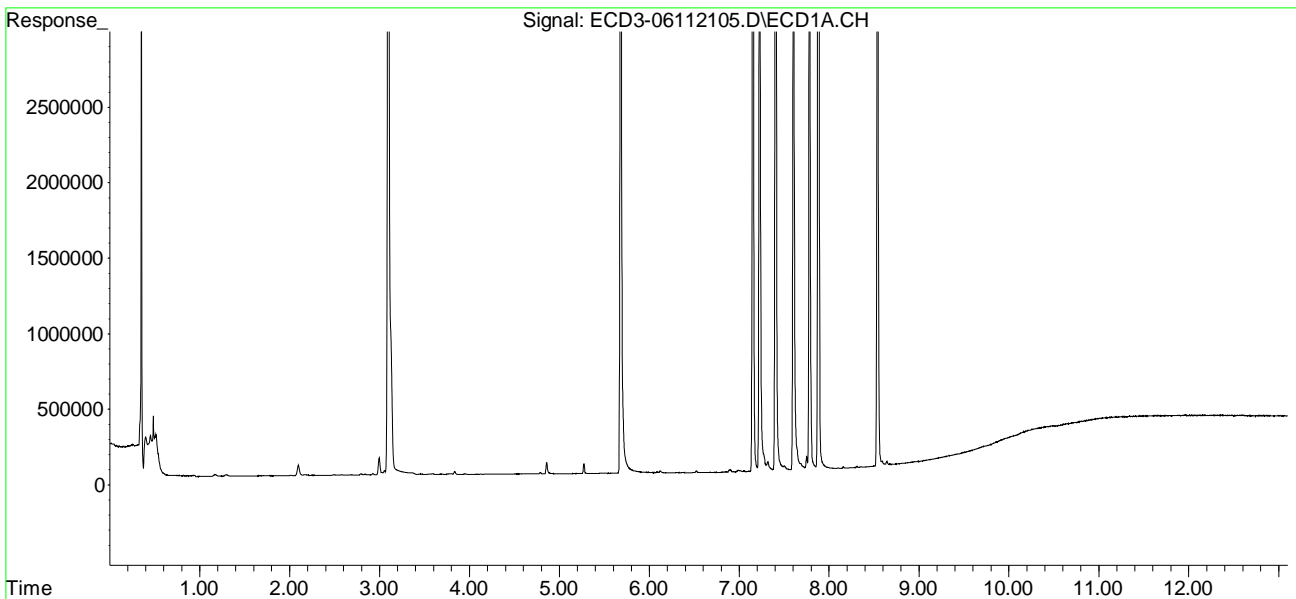
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.879	8.358f	8302429	5327032	45.403	50.258
31)	Mirex	8.538	9.250f	5178728	3071166	47.031	49.269
32)	Chlordane...	7.319	7.731	62129	3200127	2.838	233.396 #
33)	Chlordane...	7.405	0.000	7847974	0	354.253	N.D. #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.405	8.100	7847974	2867007	6989.505	2426.878 #
37)	Toxaphene...	7.684f	0.000	40011	0	22.642	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.305f	0.000	5920	0	BelowCal	N.D.
40)	Toxaphene...	8.538f	8.698f	5178728	5176	1809.703	2.695 #
41)	Toxaphene...	8.589f	0.000	29940	0	13.107	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 12:33
Operator : MJB
Sample : 1F11025-CCV2
Misc : A21C331, 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: Jun 11 17:14:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112106.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:50
 Operator : MJB
 Sample : 1F11025-CCB1
 Misc : A21F130
 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: Jun 11 17:16:00 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.300	5.631	14907486	8980543	85.983	87.734
22) S DCBP (S)	9.486	10.100	11388009	6550779	87.155	101.422
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.315	7.774f	7842	6823	0.041	0.060 #
10) cis-Chlor...	7.446f	0.000	8827	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.463	0.000	6820	0	0.036	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	8.432	0.000	1606	0	0.028	N.D. #
21) Endrin Ke...	8.800	0.000	1572	0	0.011	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.683	0.000	22497	0	BelowCal	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.
27) trans-Non...	7.446f	0.000	8827	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.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112106.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:50
 Operator : MJB
 Sample : 1F11025-CCB1
 Misc : A21F130
 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: Jun 11 17:16:00 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

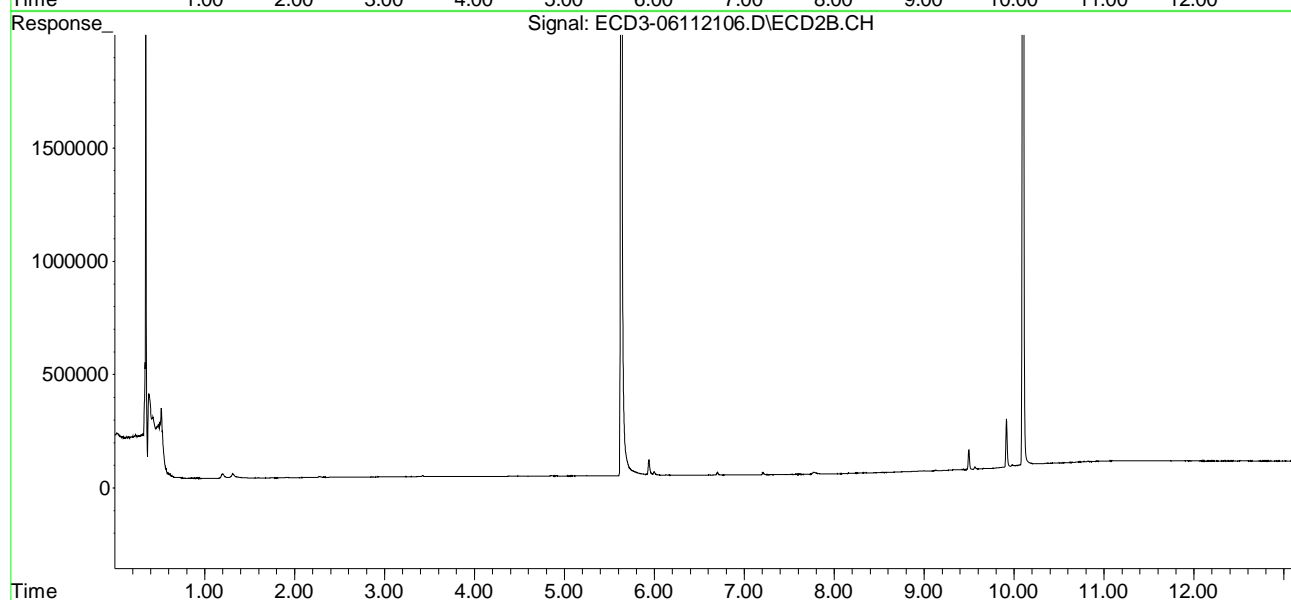
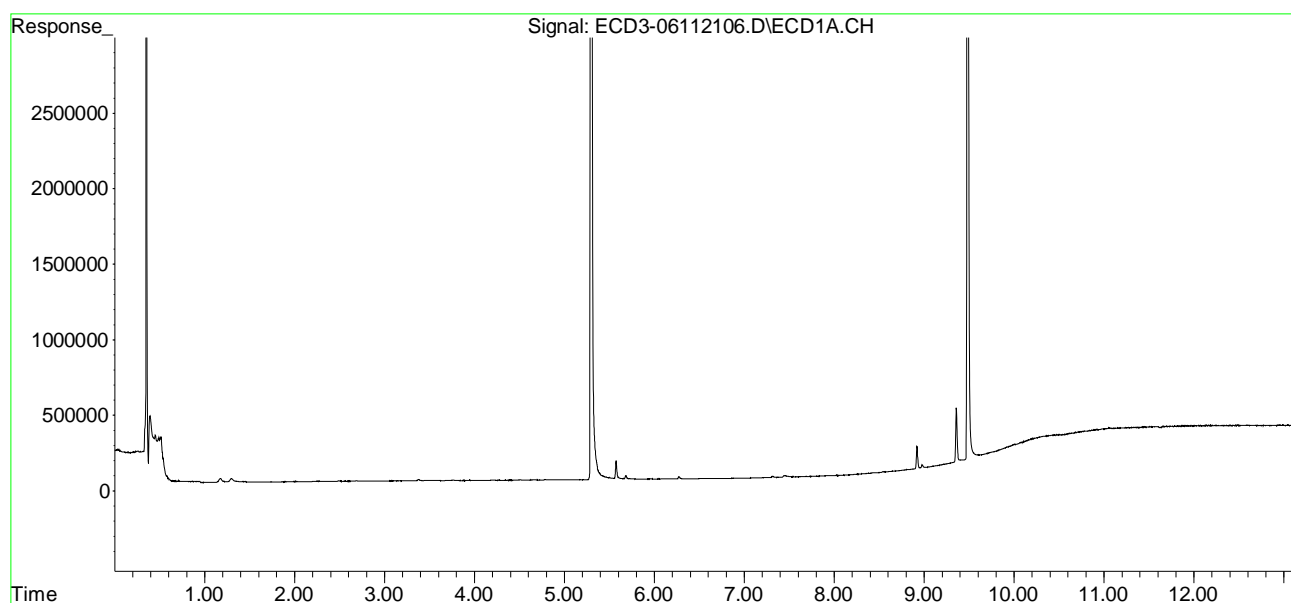
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.542	0.000	4429	0	BelowCal	N.D.	
32)	Chlordane...	7.315	7.774f	7842	6823	0.358	0.498	
33)	Chlordane...	7.446f	0.000	8827	0	0.398	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.446f	0.000	8827	0	13.098	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.542f	9.131f	4429	2633	3.772	2.521	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 12:50
Operator : MJB
Sample : 1F11025-CCB1
Misc : A21F130
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: Jun 11 17:16:00 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112106.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:50
 Operator : MJB
 Sample : 1F11025-CCB1
 Misc : A21F130
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:16:00 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.300	5.631	14907486	8980543	85.983	87.734
22) S DCBP (S)	9.486	10.100	11388009	6550779	87.155	101.422
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.315	7.774f	7842	6823	0.041	0.060 #
10) cis-Chlor...	7.446f	0.000	8827	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.463	0.000	6820	0	0.036	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	8.432	0.000	1606	0	0.028	N.D. #
21) Endrin Ke...	8.800	0.000	1572	0	0.011	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.683	0.000	22497	0	BelowCal	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.
27) trans-Non...	7.446f	0.000	8827	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.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112106.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 12:50
 Operator : MJB
 Sample : 1F11025-CCB1
 Misc : A21F130
 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: Jun 11 17:16:00 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

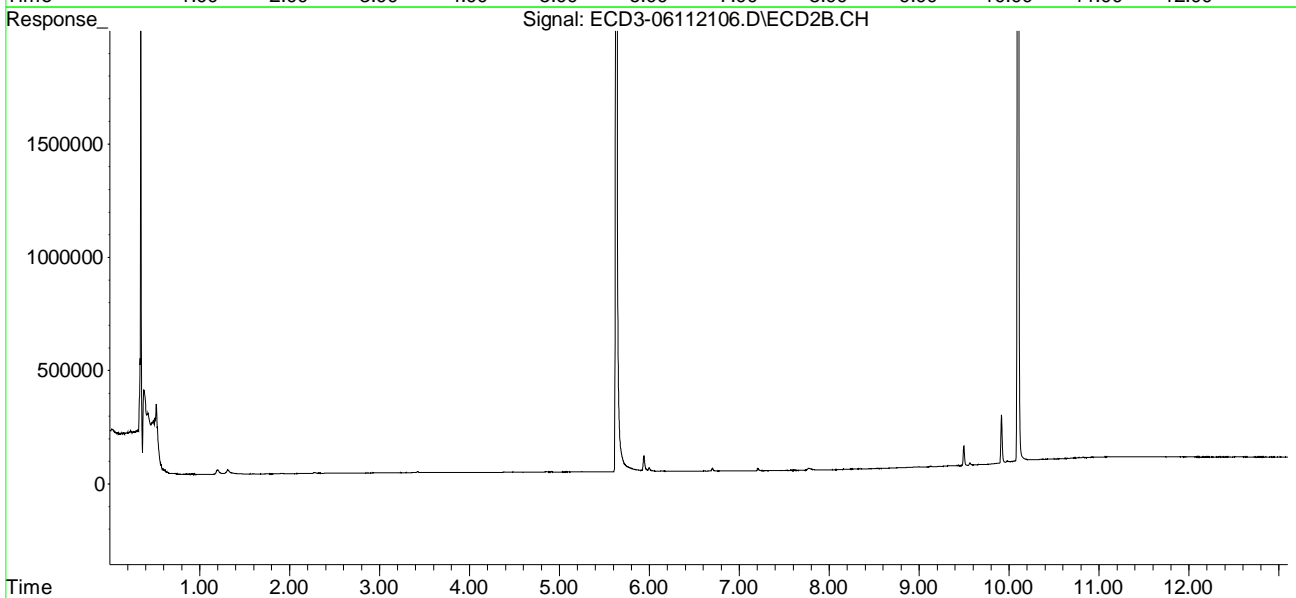
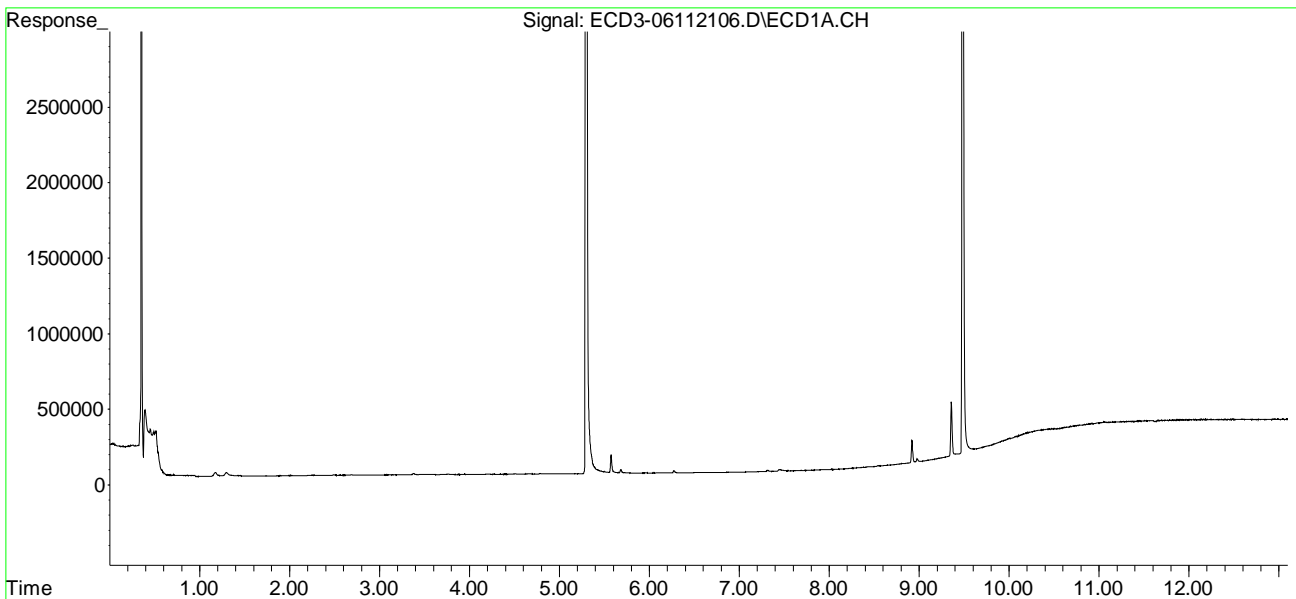
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.542	0.000	4429	0	BelowCal	N.D.	
32)	Chlordane...	7.315	7.774f	7842	6823	0.358	0.498	
33)	Chlordane...	7.446f	0.000	8827	0	0.398	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.446f	0.000	8827	0	13.098	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.542f	9.131f	4429	2633	3.772	2.521	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 12:50
Operator : MJB
Sample : 1F11025-CCB1
Misc : A21F130
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: Jun 11 17:16:00 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112107.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:07
 Operator : MJB
 Sample : A1E0231-01RE2
 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: Jun 11 17:17:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.630	3647769	2400733	21.040	23.454
22) S DCBP (S)	9.483	10.098	4445889	2588938	34.025	39.501
Target Compounds						
2) a-BHC	5.831	6.257f	28839	11724	0.122	0.081
3) g-BHC	6.117	6.535	107827	25665	0.530	0.206 #
4) b-BHC	6.211	6.583f	225362	26829	2.488	0.478 #
5) Heptachlor	6.524	6.924	148148	38239	0.783	0.337 #
6) d-BHC	6.348	6.832	43384	12269	0.235	0.111 #
7) Aldrin	6.727f	7.131f	81697	10573	0.385	0.084 #
8) Heptachlo...	7.225	7.622f	27322	37615	0.148	0.344 #
9) trans-Chl...	7.309	7.731	52898	81933	0.275	0.724 #
10) cis-Chlor...	7.417	7.818f	83136	23833	0.238	0.217
11) Endosulfa...	7.519	7.900	23910	12039	0.139	0.120
12) 4,4'-DDE	7.473	7.953	129344	71206	0.680	0.645
13) Dieldrin	7.687	8.062f	28885	151211	0.151	1.360 #
14) Endrin	7.891f	8.306	279562	15953	1.926	0.190 #
15) 4,4'-DDD	7.891	8.363	279562	55035	1.936	0.651 #
16) Endosulfa...	7.998	8.451	25188	11847	0.173	0.135
17) 4,4'-DDT	8.094	8.587	67042	33125	0.592	0.520
18) Endrin Al...	8.305	8.695	24325	9522	5773.376	8826.855 #
19) Endosulfa...	8.609	8.888	28380	16313	0.212	0.226
20) Methoxychlor	8.428	9.075	149010	29159	2.622	0.830 #
21) Endrin Ke...	8.790f	9.270	19381	19014	0.130	0.231 #
23) Hexachlor...	3.103	3.385	32981	14562	0.003	1092.480 #
24) Hexachlor...	5.655f	6.092	64147	330300	0.188	3.152 #
25) Oxychlorane	7.155	7.571	29030	105173	BelowCal	0.797
26) 2,4'-DDE	7.225	7.731	27322	81933	BelowCal	0.805
27) trans-Non...	7.417	7.818	83136	23833	0.108	BelowCal #
28) 2,4'-DDD	7.597	8.137f	42691	18723	0.067	BelowCal #
29) 2,4'-DDT	7.776	8.306	24103	15953	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112107.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:07
 Operator : MJB
 Sample : A1E0231-01RE2
 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: Jun 11 17:17:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

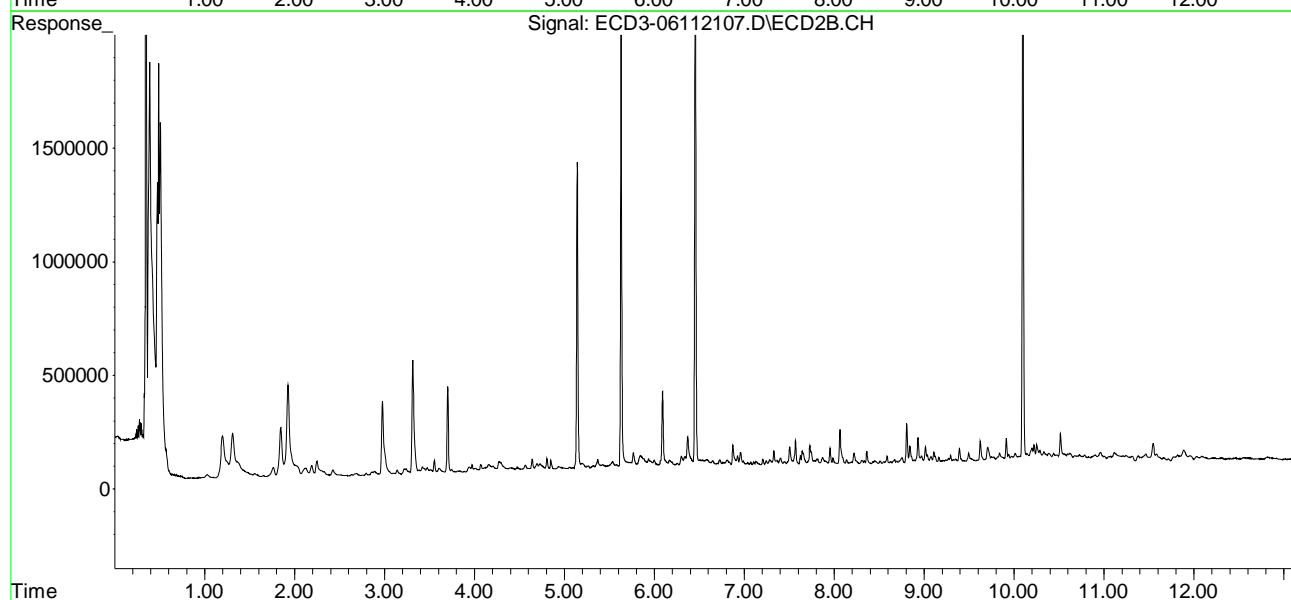
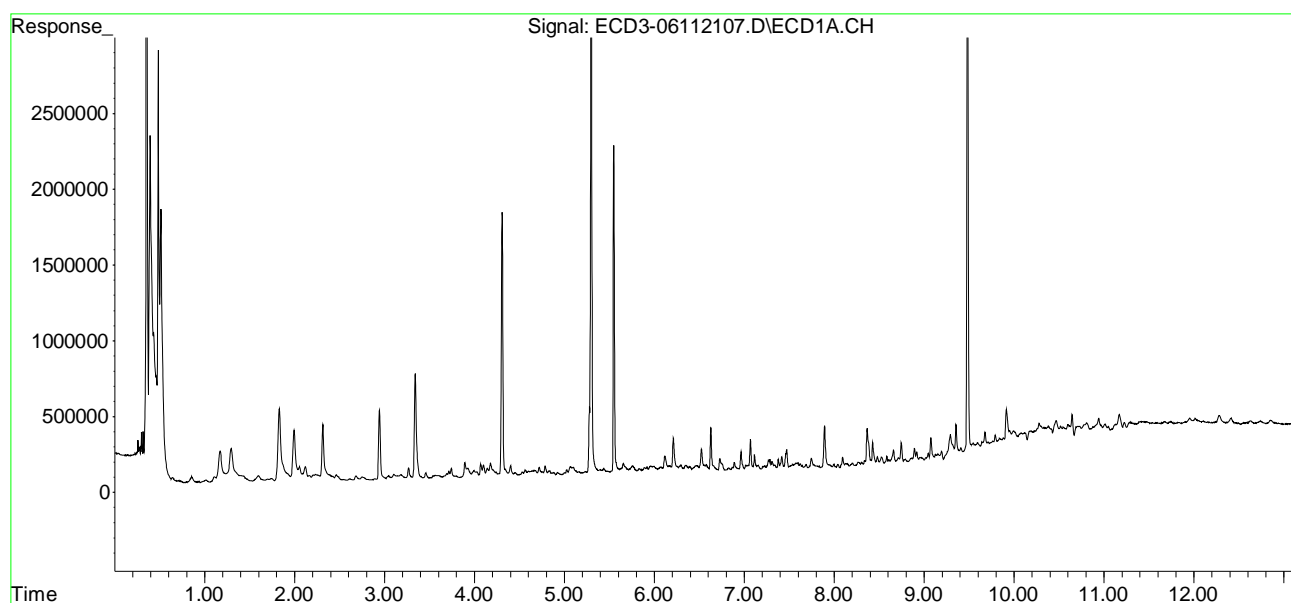
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.891	8.363f	279562	55035	1.206	0.139 #
31)	Mirex	8.527f	9.270	48517	19014	BelowCal	BelowCal
32)	Chlordane...	7.309	7.731	52898	81933	2.417	5.976 #
33)	Chlordane...	7.417	7.870	83136	28493	3.753	2.414
34)	Chlordane...	7.948f	8.512	22568	9916	3.961	2.965
35)	Chlordane...	3.692	0.000	28384	0	NoCal	N.D.
36)	Toxaphene...	7.417	8.137f	83136	18723	98.854	15.849 #
37)	Toxaphene...	7.725	8.451	18069	11847	10.226	12.141
38)	Toxaphene...	8.040	8.451f	23629	11847	8.686	8.099
39)	Toxaphene...	8.266	8.550	26933	8229	4.535	BelowCal #
40)	Toxaphene...	8.479f	8.752f	51683	25164	25.543	13.099 #
41)	Toxaphene...	8.584	9.107	50305	48985	20.544	29.996 #
42)	Toxaphene...	3.692	0.000	28384	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:07
Operator : MJB
Sample : A1E0231-01RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

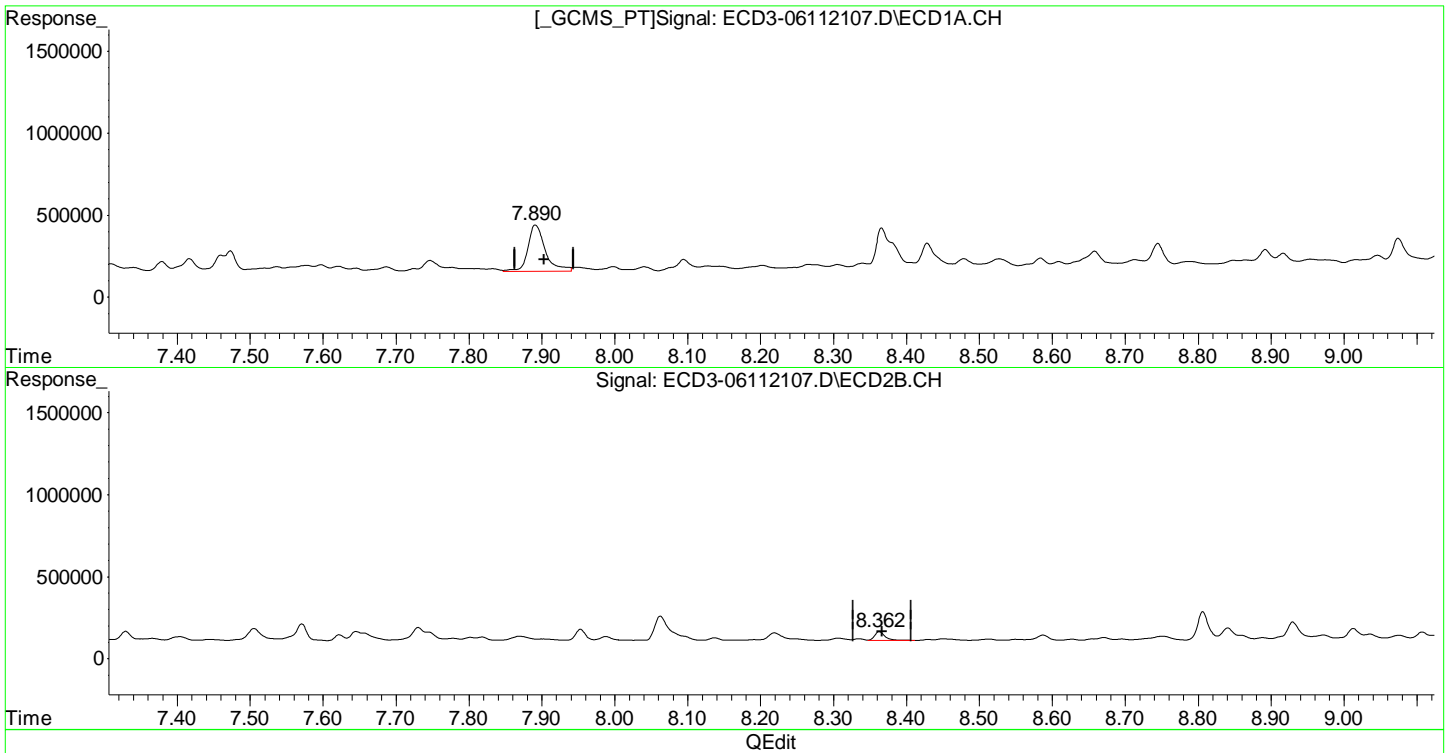
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 17:17:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:07
Operator : MJB
Sample : A1E0231-01RE2
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: Jun 11 17:17:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



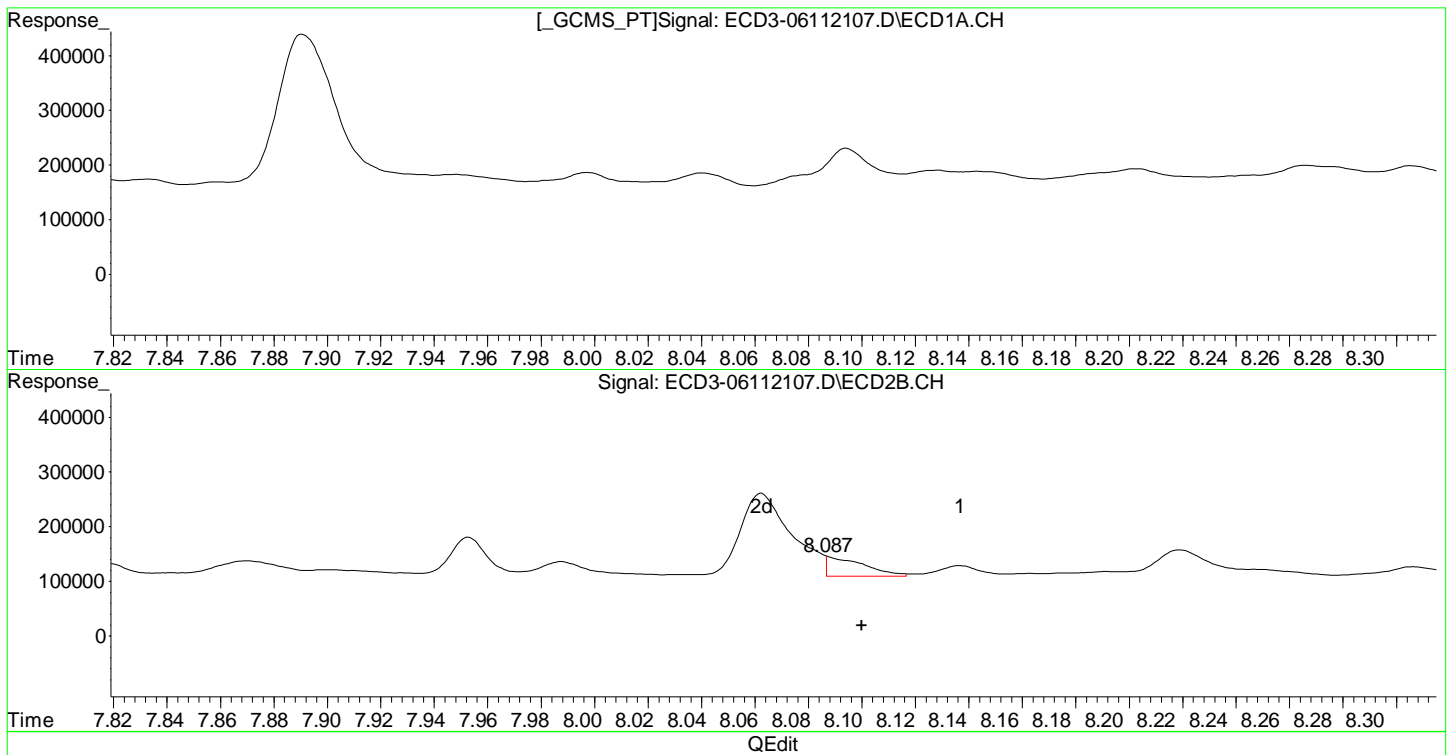
(15) 4,4'-DDD
7.891min 1.936 ng/mL
response 279562

(15) 4,4'-DDD #2
8.363min 0.651 ng/mL
response 55035

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:07
Operator : MJB
Sample : A1E0231-01RE2
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: Jun 11 17:17:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.597min 0.067 ng/mL
response 42691

(28) 2,4'-DDD #2
8.087min 0.197 ng/mL m
response 36668

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112107.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:07
 Operator : MJB
 Sample : A1E0231-01RE2
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:17:56 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.630	3647769	2400733	21.040	23.454
22) S DCBP (S)	9.483	10.098	4445889	2588938	34.025	39.501
Target Compounds						
2) a-BHC	5.831	6.257f	28839	11724	0.122	0.081
3) g-BHC	6.117	6.535	107827	25665	0.530	0.206 #
4) b-BHC	6.211	6.583f	225362	26829	2.488	0.478 #
5) Heptachlor	6.524	6.924	148148	38239	0.783	0.337 #
6) d-BHC	6.348	6.832	43384	12269	0.235	0.111 #
7) Aldrin	6.727f	7.131f	81697	10573	0.385	0.084 #
8) Heptachlo...	7.225	7.622f	27322	37615	0.148	0.344 #
9) trans-Chl...	7.309	7.731	52898	81933	0.275	0.724 #
10) cis-Chlor...	7.417	7.818f	83136	23833	0.238	0.217
11) Endosulfa...	7.519	7.900	23910	12039	0.139	0.120
12) 4,4'-DDE	7.473	7.953	129344	71206	0.680	0.645
13) Dieldrin	7.687	8.062f	28885	151211	0.151	1.360 #
14) Endrin	7.891f	8.306	279562	15953	1.926	0.190 #
15) 4,4'-DDD	7.891	8.363	279562	55035	1.936	0.651 #
16) Endosulfa...	7.998	8.451	25188	11847	0.173	0.135
17) 4,4'-DDT	8.094	8.587	67042	33125	0.592	0.520
18) Endrin Al...	8.305	8.695	24325	9522	5773.376	8826.855 #
19) Endosulfa...	8.609	8.888	28380	16313	0.212	0.226
20) Methoxychlor	8.428	9.075	149010	29159	2.622	0.830 #
21) Endrin Ke...	8.790f	9.270	19381	19014	0.130	0.231 #
23) Hexachlor...	3.103	3.385	32981	14562	0.003	1092.480 #
24) Hexachlor...	5.655f	6.092	64147	330300	0.188	3.152 #
25) Oxychlorane	7.155	7.571	29030	105173	BelowCal	0.797
26) 2,4'-DDE	7.225	7.731	27322	81933	BelowCal	0.805
27) trans-Non...	7.417	7.818	83136	23833	0.108	BelowCal #
28) 2,4'-DDD	7.597	8.087	42691	36668	0.067	0.197m#
29) 2,4'-DDT	7.776	8.306	24103	15953	BelowCal	BelowCal

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112107.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:07
 Operator : MJB
 Sample : A1E0231-01RE2
 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: Jun 11 17:17:56 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

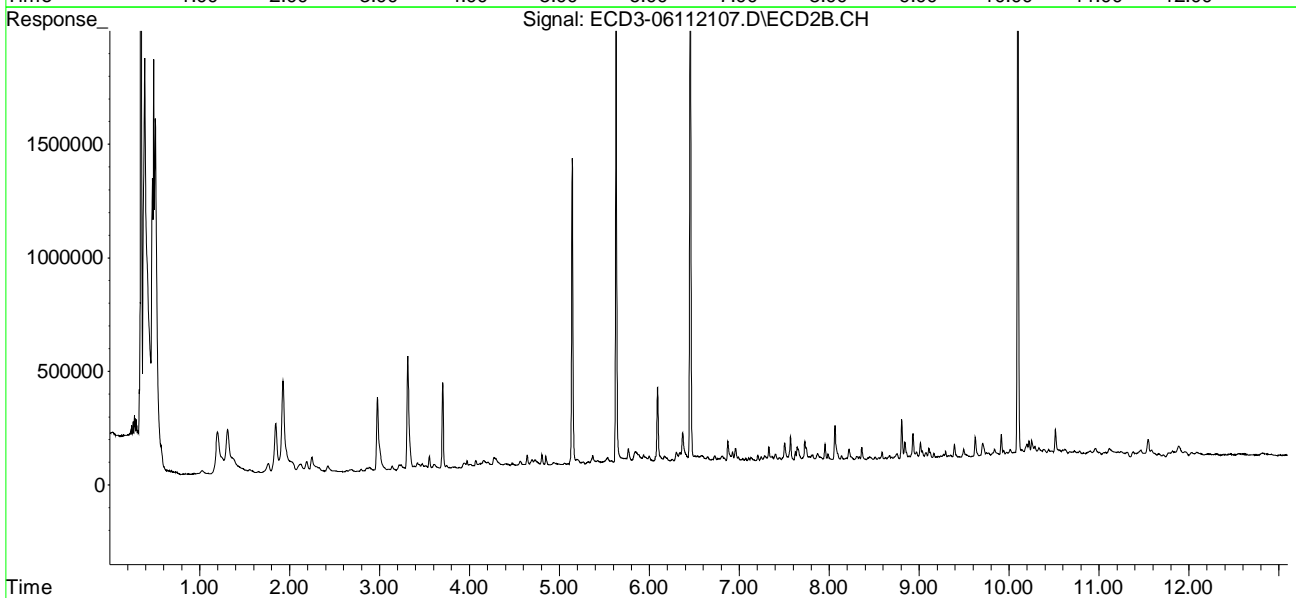
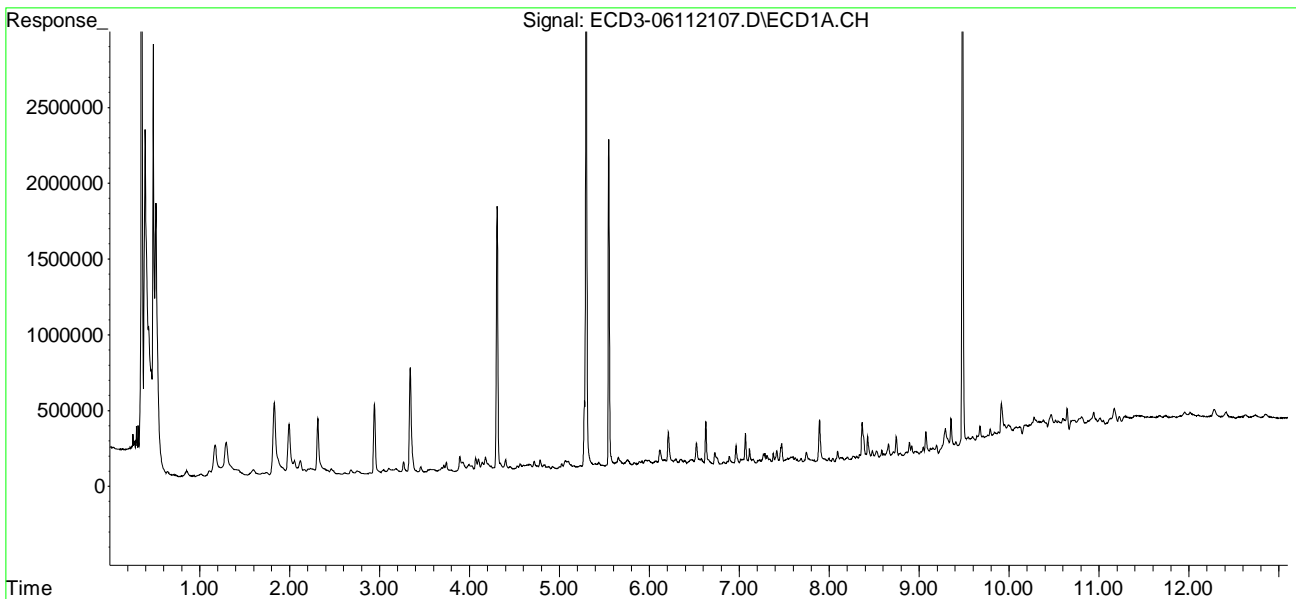
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.891	8.363f	279562	55035	1.206	0.139 #
31)	Mirex	8.527f	9.270	48517	19014	BelowCal	BelowCal
32)	Chlordane...	7.309	7.731	52898	81933	2.417	5.976 #
33)	Chlordane...	7.417	7.870	83136	28493	3.753	2.414
34)	Chlordane...	7.948f	8.512	22568	9916	3.961	2.965
35)	Chlordane...	3.692	0.000	28384	0	NoCal	N.D.
36)	Toxaphene...	7.417	8.137f	83136	18723	98.854	15.849 #
37)	Toxaphene...	7.725	8.451	18069	11847	10.226	12.141
38)	Toxaphene...	8.040	8.451f	23629	11847	8.686	8.099
39)	Toxaphene...	8.266	8.550	26933	8229	4.535	BelowCal #
40)	Toxaphene...	8.479f	8.752f	51683	25164	25.543	13.099 #
41)	Toxaphene...	8.584	9.107	50305	48985	20.544	29.996 #
42)	Toxaphene...	3.692	0.000	28384	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:07
Operator : MJB
Sample : A1E0231-01RE2
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: Jun 11 17:17:56 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112108.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:24
 Operator : MJB
 Sample : A1E0231-03RE1
 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: Jun 11 17:18:55 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.630	2155827	1396823	12.434	13.646
22) S DCBP (S)	9.484	10.099	4733390	2707666	36.226	41.336
Target Compounds						
2) a-BHC	5.832	6.258f	23492	7717	0.100	0.053 #
3) g-BHC	6.113	6.506f	159556	37706	0.784	0.303 #
4) b-BHC	6.208	6.570f	316342	46632	3.492	0.831 #
5) Heptachlor	6.524	6.924	118928	95067	0.629	0.838
6) d-BHC	6.343	6.832	50981	15008	0.276	0.135 #
7) Aldrin	6.726f	7.159	215291	9702	1.015	0.077 #
8) Heptachlo...	7.233	7.623f	34168	49242	0.185	0.450 #
9) trans-Chl...	7.307	7.731	62138	93806	0.322	0.829 #
10) cis-Chlor...	7.417	7.817f	73124	32703	0.181	0.297 #
11) Endosulfa...	7.536	7.902	43801	23888	0.255	0.238
12) 4,4'-DDE	7.474	7.953	144541	96242	0.760	0.872
13) Dieldrin	7.673	8.097	30057	54978	0.157	0.494 #
14) Endrin	7.858	8.309	23206	42661	0.160	0.508 #
15) 4,4'-DDD	7.897	8.364	317260	155840	2.197	1.844
16) Endosulfa...	7.998	8.458	38618	35778	0.266	0.407 #
17) 4,4'-DDT	8.096	8.588	94203	56726	0.831	0.891
18) Endrin Al...	8.305	8.689	53305	51778	0.132	0.401 #
19) Endosulfa...	8.614	8.890	80266	36762	0.600	0.510
20) Methoxychlor	8.428	9.037	125081	81068	2.201	2.308
21) Endrin Ke...	8.796	9.238f	44353	47987	0.298	0.582 #
23) Hexachlor...	3.102	3.385	26598	10605	2279.135	1092.512 #
24) Hexachlor...	5.702	6.092	27873	453433	BelowCal	4.397
25) Oxychlorane	7.139f	7.571	36353	102066	BelowCal	0.761
26) 2,4'-DDE	7.233	7.731	34168	93806	BelowCal	0.974
27) trans-Non...	7.417	7.817	73124	32703	0.050	BelowCal #
28) 2,4'-DDD	7.598	8.097	90189	54978	0.552	0.509
29) 2,4'-DDT	7.776	8.309	38567	42661	0.033	0.478 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112108.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:24
 Operator : MJB
 Sample : A1E0231-03RE1
 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: Jun 11 17:18:55 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

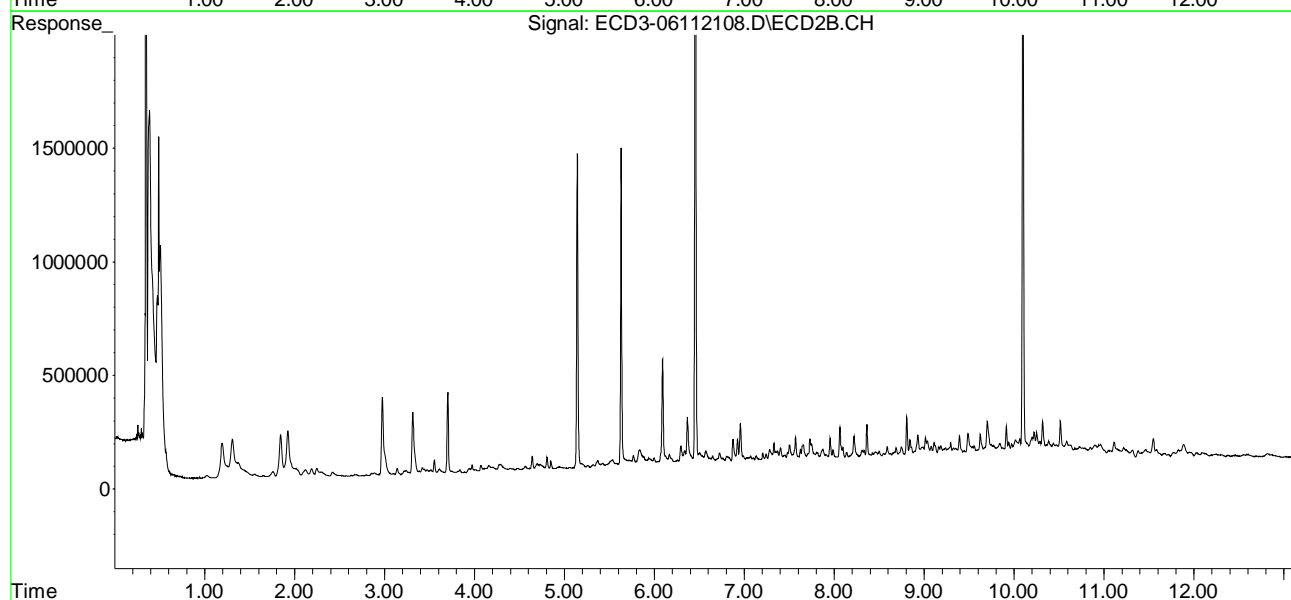
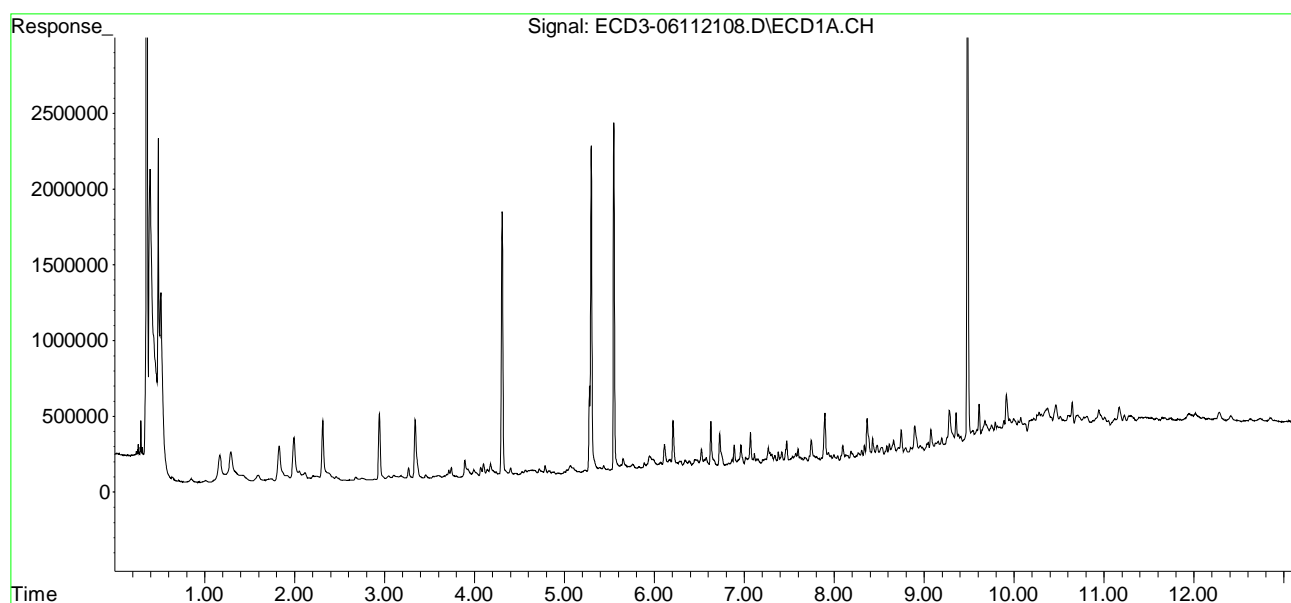
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.897	8.364f	317260	155840	1.417	1.102
31)	Mirex	8.534	9.296	60887	72729	0.012	0.592 #
32)	Chlordane...	7.341	7.748	52471	73014	2.397	5.325 #
33)	Chlordane...	7.417	7.871	73124	47598	3.301	4.032
34)	Chlordane...	7.963	8.498	34266	38015	6.014	11.366 #
35)	Chlordane...	3.693	0.000	17078	0	NoCal	N.D.
36)	Toxaphene...	7.417	8.097	73124	54978	87.336	46.538 #
37)	Toxaphene...	7.723	8.458	39034	35778	22.090	30.404
38)	Toxaphene...	8.039	8.498	29794	38015	10.626	22.532 #
39)	Toxaphene...	8.270	8.548	37630	27287	7.929	1.571 #
40)	Toxaphene...	8.476f	8.745	77308	54629	36.736	28.437
41)	Toxaphene...	8.584	9.109	66520	73821	26.455	44.639 #
42)	Toxaphene...	3.693	0.000	17078	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:24
Operator : MJB
Sample : A1E0231-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

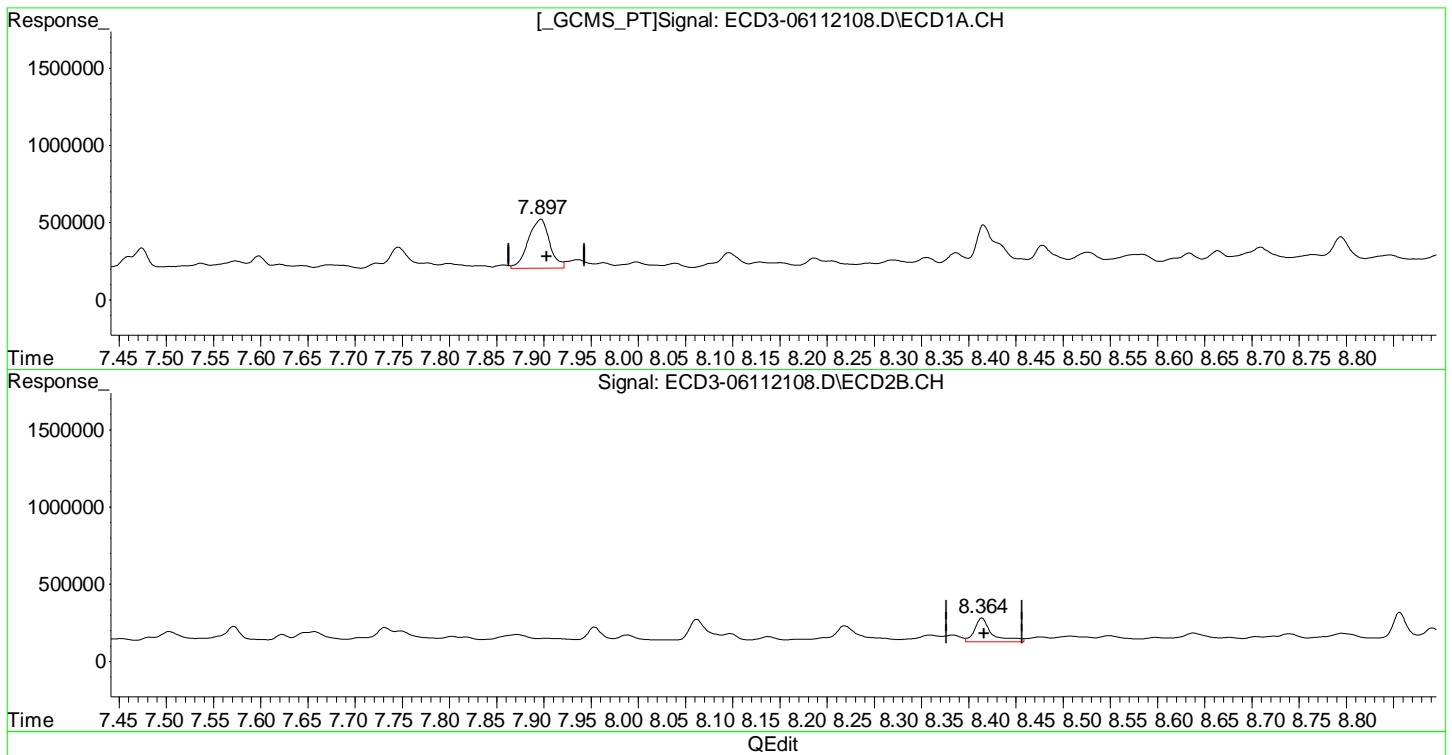
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 17:18:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:24
Operator : MJB
Sample : A1E0231-03RE1
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: Jun 11 17:18:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.897min 2.197 ng/mL
response 317260

(15) 4,4'-DDD #2
8.364min 1.844 ng/mL
response 155840

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112108.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:24
 Operator : MJB
 Sample : A1E0231-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:18:55 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.630	2155827	1396823	12.434	S-0613.646 S-06
22) S DCBP (S)	9.484	10.099	4733390	2707666	36.226	41.336
Target Compounds						
2) a-BHC	5.832	6.258f	23492	7717	0.100	0.053 #
3) g-BHC	6.113	6.506f	159556	37706	0.784	0.303 #
4) b-BHC	6.208	6.570f	316342	46632	3.492	0.831 #
5) Heptachlor	6.524	6.924	118928	95067	0.629	0.838
6) d-BHC	6.343	6.832	50981	15008	0.276	0.135 #
7) Aldrin	6.726f	7.159	215291	9702	1.015	0.077 #
8) Heptachlo...	7.233	7.623f	34168	49242	0.185	0.450 #
9) trans-Chl...	7.307	7.731	62138	93806	0.322	0.829 #
10) cis-Chlor...	7.417	7.817f	73124	32703	0.181	0.297 #
11) Endosulfa...	7.536	7.902	43801	23888	0.255	0.238
12) 4,4'-DDE	7.474	7.953	144541	96242	0.760	0.872
13) Dieldrin	7.673	8.097	30057	54978	0.157	0.494 #
14) Endrin	7.858	8.309	23206	42661	0.160	0.508 #
15) 4,4'-DDD	7.897	8.364	317260	155840	2.197	1.844
16) Endosulfa...	7.998	8.458	38618	35778	0.266	0.407 #
17) 4,4'-DDT	8.096	8.588	94203	56726	0.831	0.891
18) Endrin Al...	8.305	8.689	53305	51778	0.132	0.401 #
19) Endosulfa...	8.614	8.890	80266	36762	0.600	0.510
20) Methoxychlor	8.428	9.037	125081	81068	2.201	2.308
21) Endrin Ke...	8.796	9.238f	44353	47987	0.298	0.582 #
23) Hexachlor...	3.102	3.385	26598	10605	2279.135	1092.512 #
24) Hexachlor...	5.702	6.092	27873	453433	BelowCal	4.397
25) Oxychlorane	7.139f	7.571	36353	102066	BelowCal	0.761
26) 2,4'-DDE	7.233	7.731	34168	93806	BelowCal	0.974
27) trans-Non...	7.417	7.817	73124	32703	0.050	BelowCal #
28) 2,4'-DDD	7.598	8.097	90189	54978	0.552	0.509
29) 2,4'-DDT	7.776	8.309	38567	42661	0.033	0.478 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112108.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:24
 Operator : MJB
 Sample : A1E0231-03RE1
 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: Jun 11 17:18:55 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

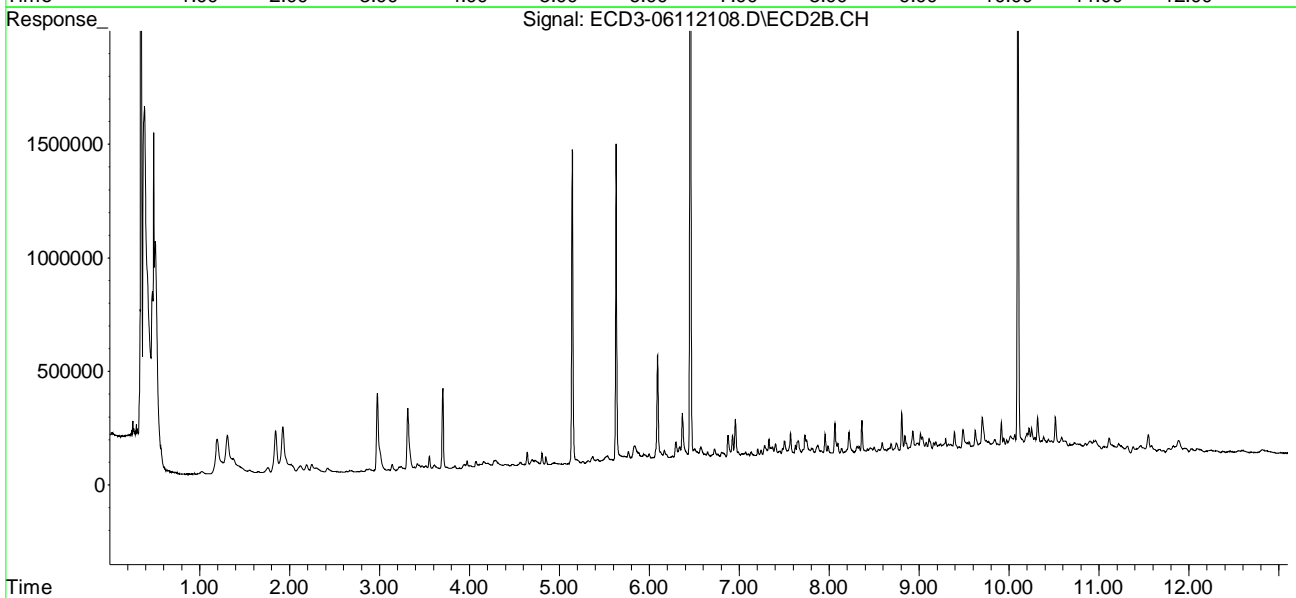
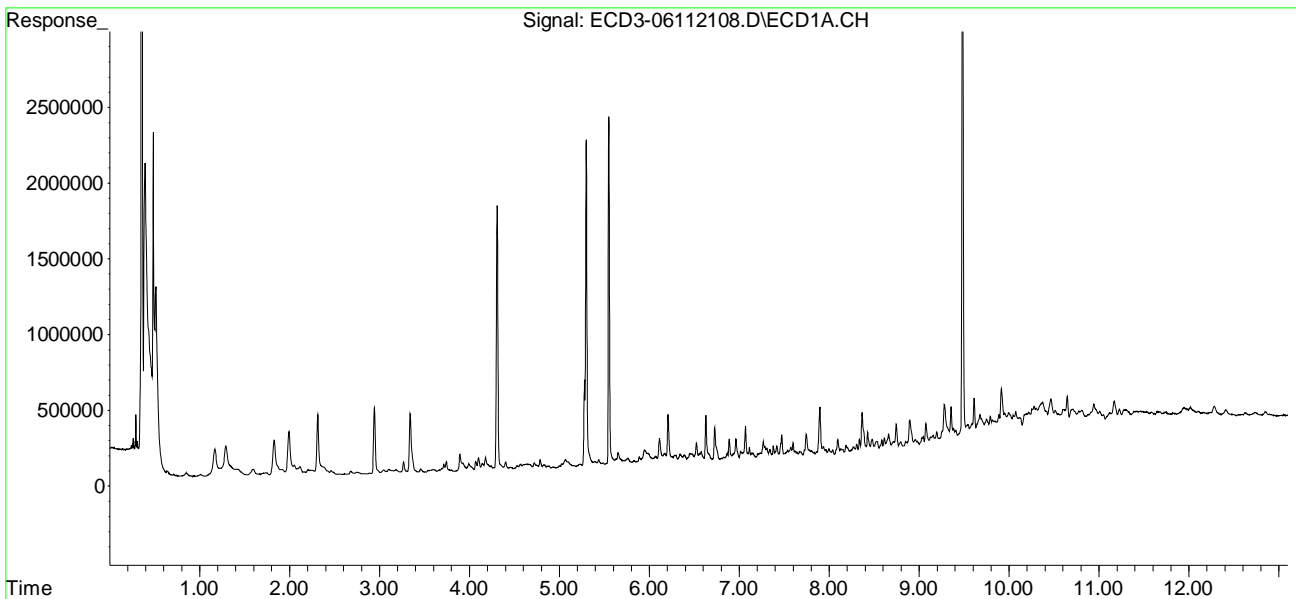
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.897	8.364f	317260	155840	1.417	1.102
31)	Mirex	8.534	9.296	60887	72729	0.012	0.592 #
32)	Chlordane...	7.341	7.748	52471	73014	2.397	5.325 #
33)	Chlordane...	7.417	7.871	73124	47598	3.301	4.032
34)	Chlordane...	7.963	8.498	34266	38015	6.014	11.366 #
35)	Chlordane...	3.693	0.000	17078	0	NoCal	N.D.
36)	Toxaphene...	7.417	8.097	73124	54978	87.336	46.538 #
37)	Toxaphene...	7.723	8.458	39034	35778	22.090	30.404
38)	Toxaphene...	8.039	8.498	29794	38015	10.626	22.532 #
39)	Toxaphene...	8.270	8.548	37630	27287	7.929	1.571 #
40)	Toxaphene...	8.476f	8.745	77308	54629	36.736	28.437
41)	Toxaphene...	8.584	9.109	66520	73821	26.455	44.639 #
42)	Toxaphene...	3.693	0.000	17078	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:24
Operator : MJB
Sample : A1E0231-03RE1
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: Jun 11 17:18:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112109.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:41
 Operator : MJB
 Sample : A1E0231-04RE1
 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: Jun 11 17:20:46 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.630	2187187	1298388	12.615	12.684
22) S DCBP (S)	9.484	10.098	3495244	2055720	26.750	31.274
Target Compounds						
2) a-BHC	5.829	6.261f	57350	85629	0.243	0.593 #
3) g-BHC	6.105f	6.529	257613	117848	1.266	0.947
4) b-BHC	6.204	6.567f	784975	211108	8.666	3.760 #
5) Heptachlor	6.523	6.923	119424	225919	0.631	1.992 #
6) d-BHC	6.383f	6.878f	121947	195220	0.660	1.761 #
7) Aldrin	6.796f	7.129f	63627	86550	0.300	0.689 #
8) Heptachlo...	7.226	7.620f	83828	75570	0.454	0.690 #
9) trans-Chl...	7.309	7.731	72340	128712	0.375	1.138 #
10) cis-Chlor...	7.418	7.854	120949	96555	0.453	0.878 #
11) Endosulfa...	7.504	7.901	66723	75595	0.389	0.754 #
12) 4,4'-DDE	7.474	7.953	140105	103405	0.737	0.937
13) Dieldrin	7.683	8.060f	54650	292494	0.285	2.630 #
14) Endrin	7.888f	8.315	414869	59365	2.859	0.706 #
15) 4,4'-DDD	7.888	8.364	414869	81644	2.873	0.966 #
16) Endosulfa...	7.997	8.447	40782	49136	0.280	0.559 #
17) 4,4'-DDT	8.095	8.587	93202	86051	0.823	1.351 #
18) Endrin Al...	8.306	8.693	41462	46327	0.030	0.324 #
19) Endosulfa...	8.609	8.887	44448	47500	0.332	0.658 #
20) Methoxychlor	8.427	9.054	215664	64126	3.795	1.826 #
21) Endrin Ke...	8.791	9.269	20985	43324	0.141	0.526 #
23) Hexachlor...	3.094	3.387f	53762	27373	0.124	0.007 #
24) Hexachlor...	5.700	6.123	76135	106591	0.260	0.890 #
25) Oxychlorane	7.136f	7.571	87891	188322	0.194	1.753 #
26) 2,4'-DDE	7.226	7.731	83828	128712	0.394	1.471 #
27) trans-Non...	7.418	7.854f	120949	96555	0.329	0.522 #
28) 2,4'-DDD	7.597	8.136f	63578	52051	0.280	0.459 #
29) 2,4'-DDT	7.777	8.315	61717	59365	0.325	0.834 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112109.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:41
 Operator : MJB
 Sample : A1E0231-04RE1
 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: Jun 11 17:20:46 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

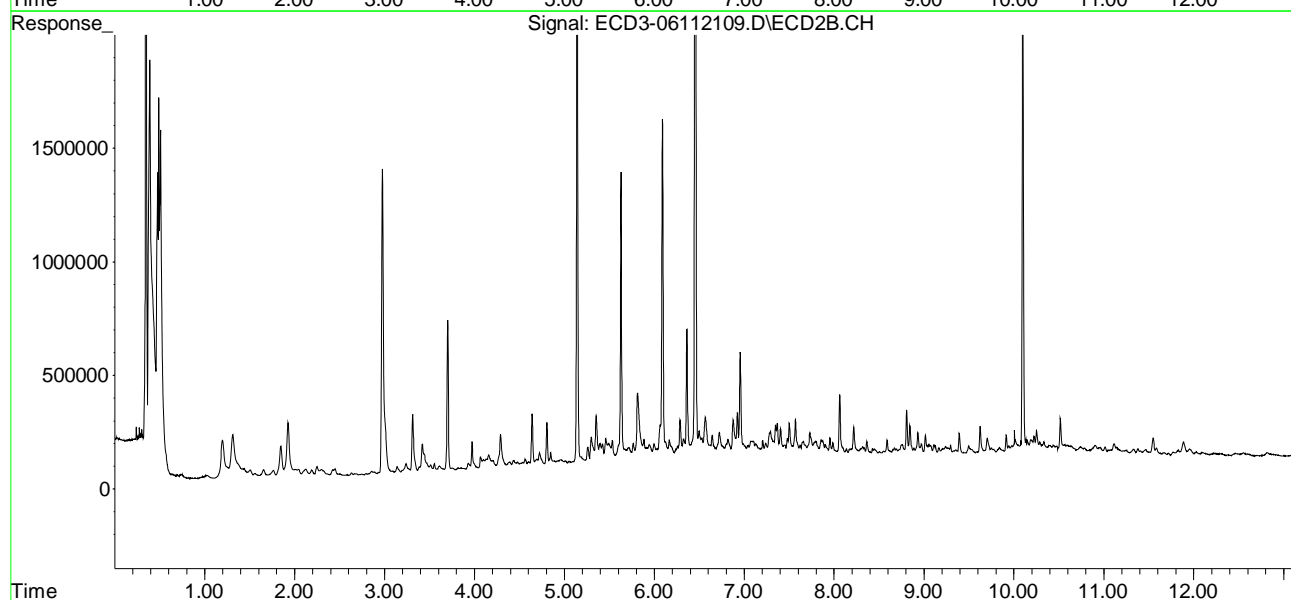
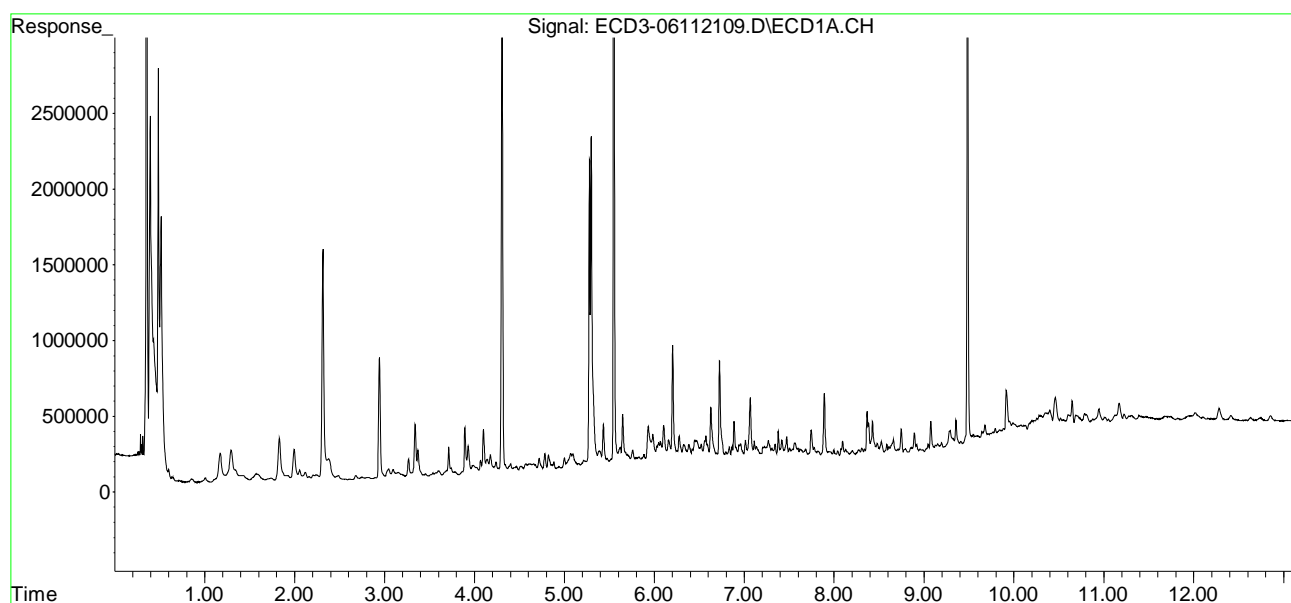
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.888	8.364f	414869	81644	1.964	0.393 #
31)	Mirex	8.525f	9.269	78951	43324	0.179	0.114
32)	Chlordane...	7.309	7.731	72340	128712	3.305	9.387 #
33)	Chlordane...	7.418	7.854	120949	96555	5.460	8.180 #
34)	Chlordane...	7.946f	8.502	30787	37740	5.403	11.284 #
35)	Chlordane...	3.715f	0.000	186745	0	NoCal	N.D.
36)	Toxaphene...	7.418	8.136f	120949	52051	142.250	44.060 #
37)	Toxaphene...	7.745f	8.447	177316	49136	100.344	40.581 #
38)	Toxaphene...	8.039	8.502f	32637	37740	11.521	22.380 #
39)	Toxaphene...	8.276	8.548	32372	38427	6.261	5.412
40)	Toxaphene...	8.478f	8.755f	70131	66272	33.605	34.498
41)	Toxaphene...	8.584	9.107	58652	60722	23.588	36.923 #
42)	Toxaphene...	3.715f	0.000	186745	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:41
Operator : MJB
Sample : A1E0231-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

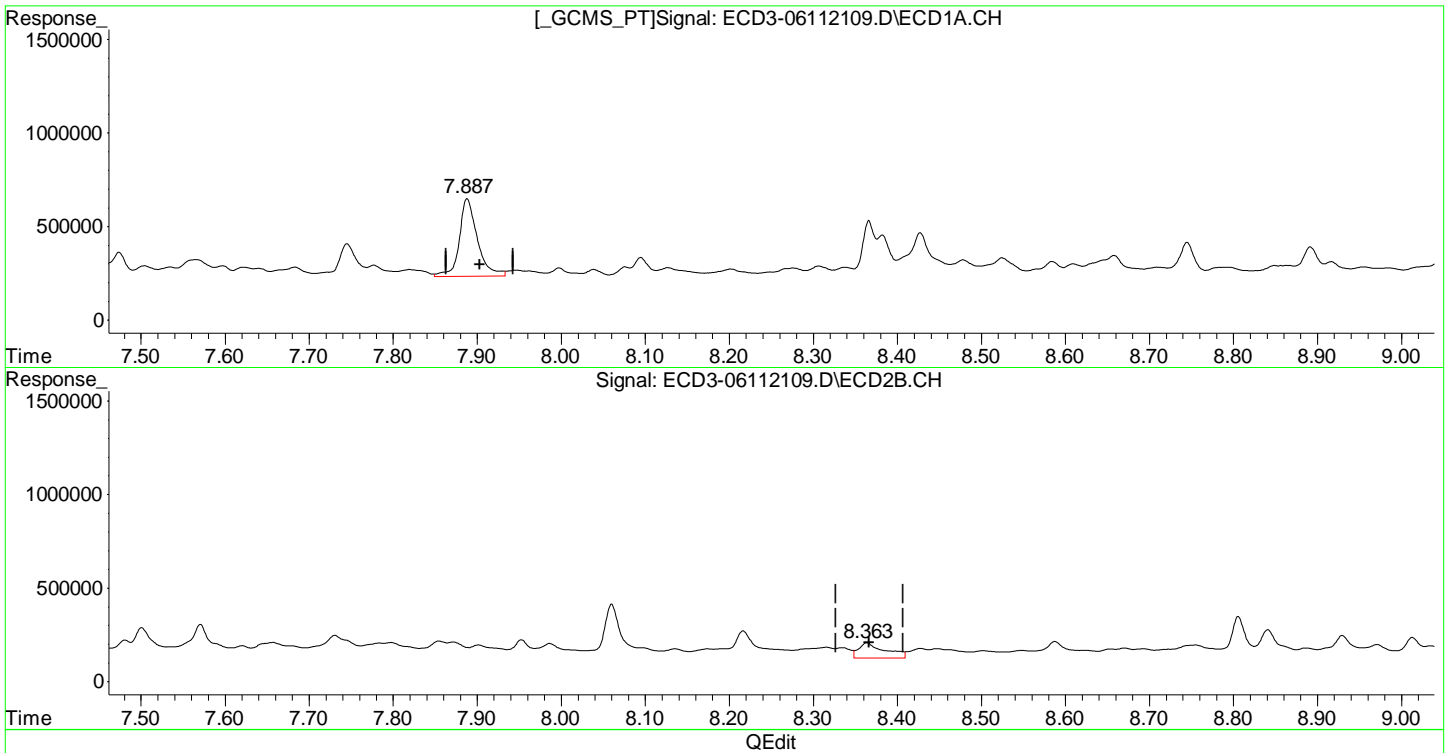
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jun 11 17:20:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:41
Operator : MJB
Sample : A1E0231-04RE1
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: Jun 11 17:20:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



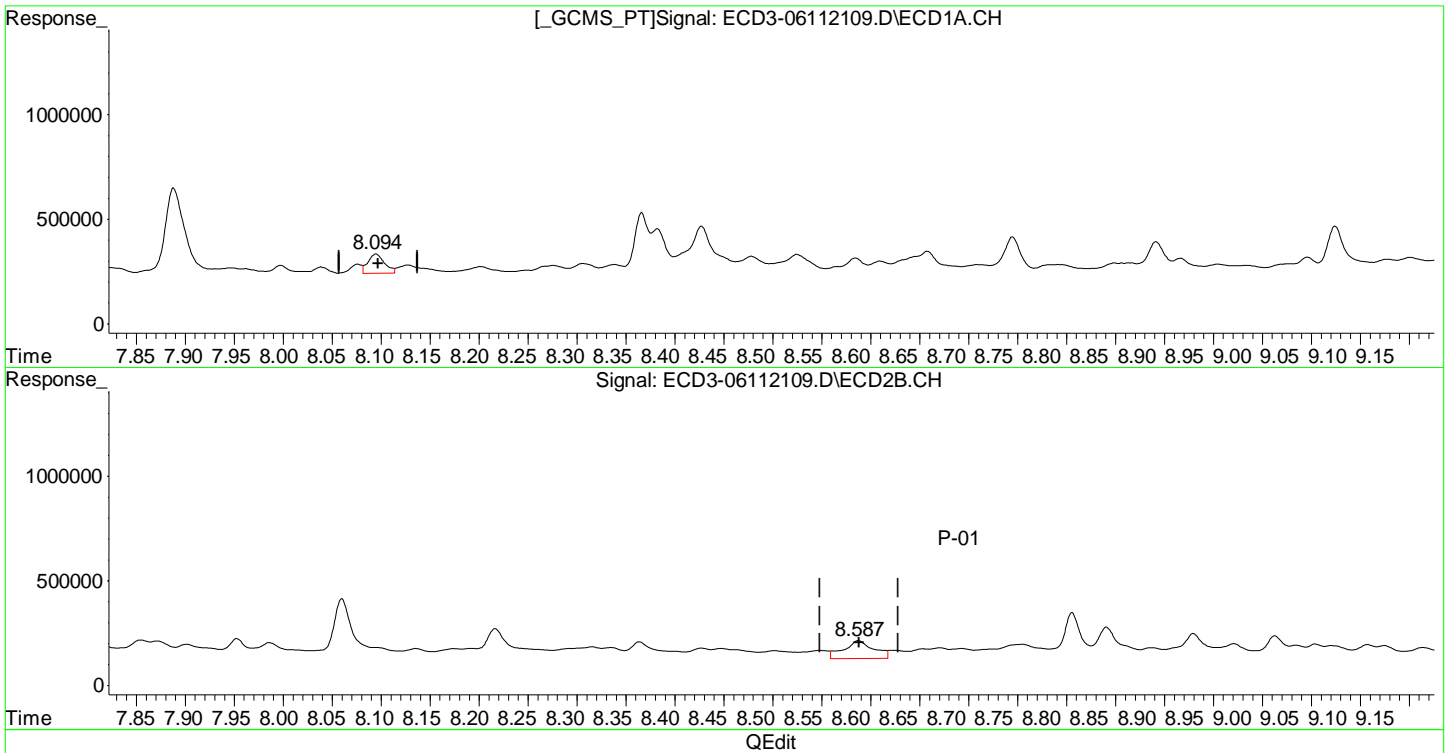
(15) 4,4'-DDD
7.888min 2.873 ng/mL
response 414869

(15) 4,4'-DDD #2
8.364min 0.966 ng/mL
response 81644

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:41
Operator : MJB
Sample : A1E0231-04RE1
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: Jun 11 17:20:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



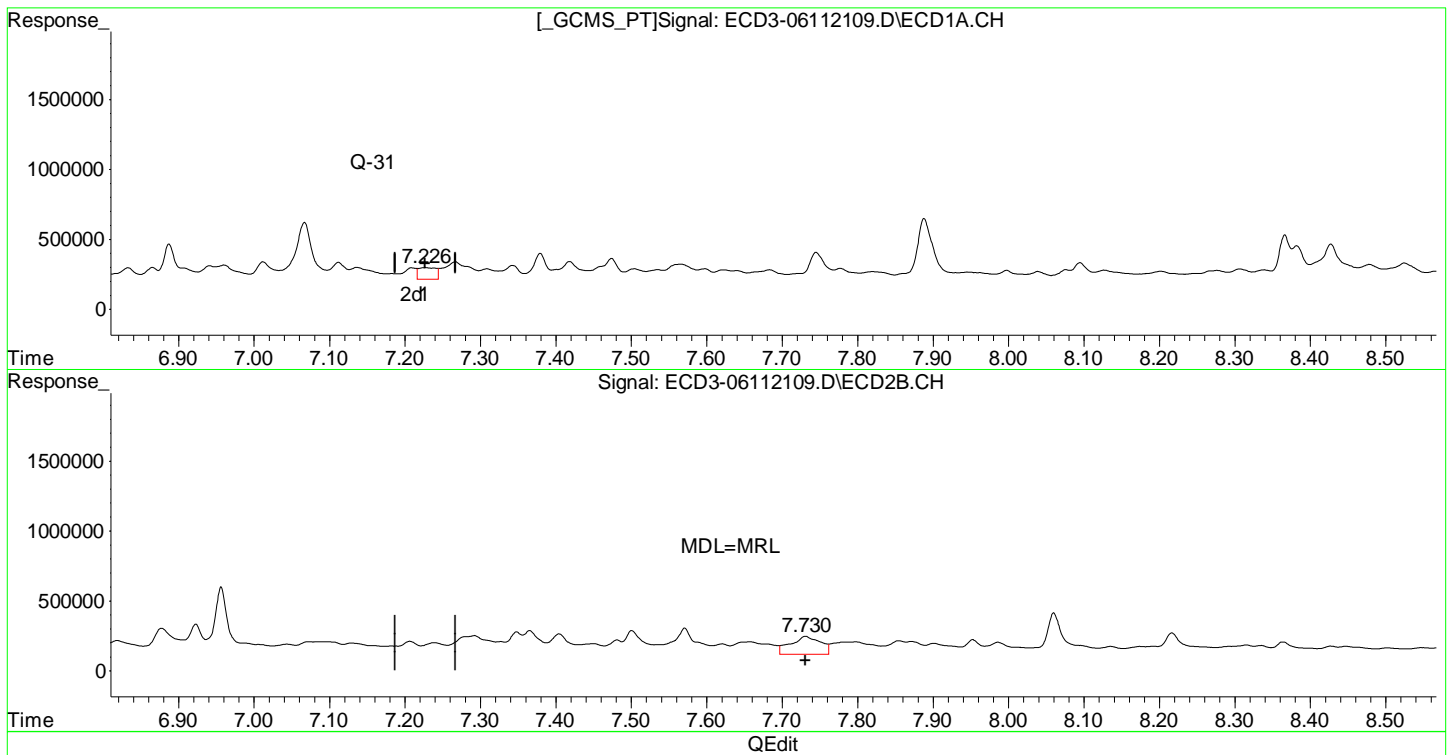
(17) 4,4'-DDT
8.095min 0.823 ng/mL
response 93202

(17) 4,4'-DDT #2
8.587min 1.351 ng/mL
response 86051

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:41
Operator : MJB
Sample : A1E0231-04RE1
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: Jun 11 17:20:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



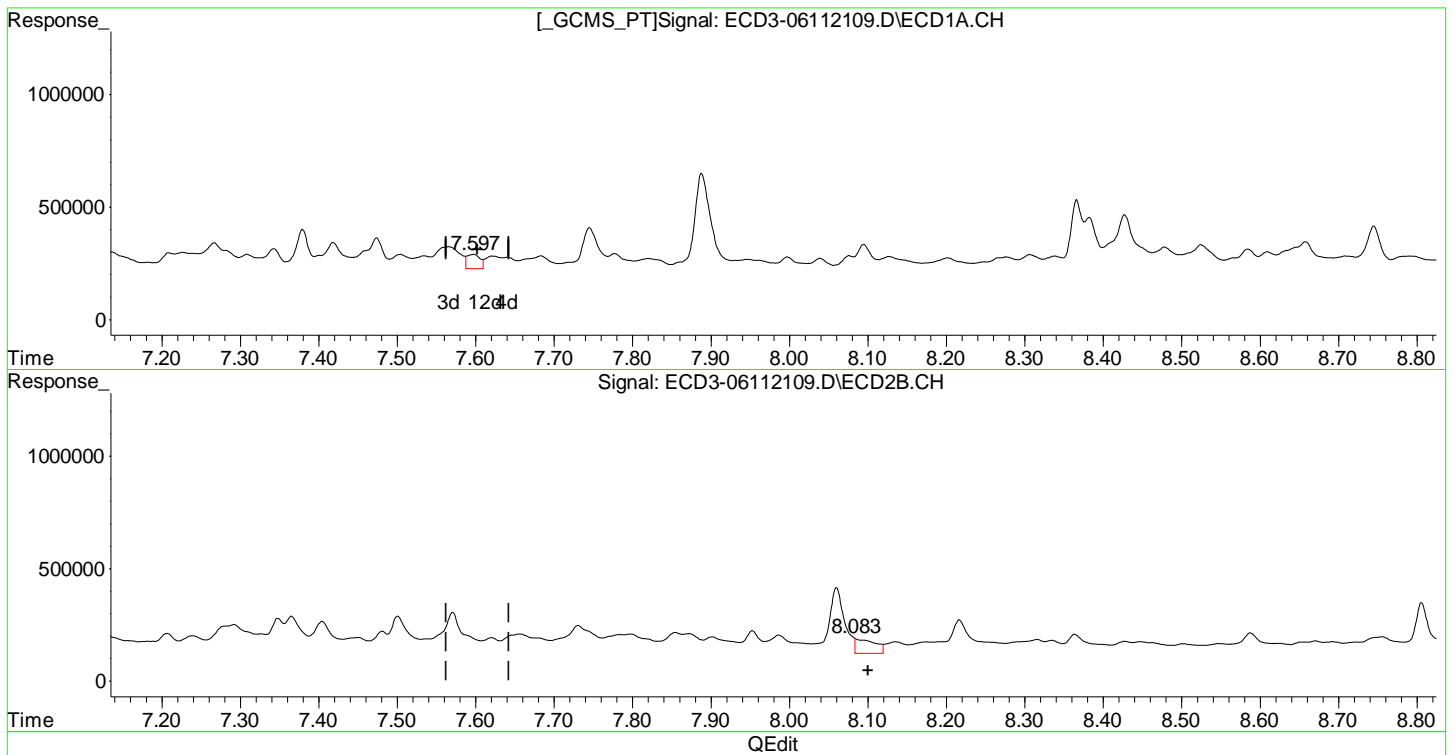
(26) 2,4'-DDE
7.226min 0.394 ng/mL
response 83828

(26) 2,4'-DDE #2
7.731min 1.471 ng/mL
response 128712

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:41
Operator : MJB
Sample : A1E0231-04RE1
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: Jun 11 17:20:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.597min 0.280 ng/mL
response 63578

(28) 2,4'-DDD #2
8.083min 0.722 ng/mL m
response 67492

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112109.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:41
 Operator : MJB
 Sample : A1E0231-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 10 (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: Jun 11 17:22:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.630	2187187	1298388	12.615	S-0312.684 S-03
22) S DCBP (S)	9.484	10.098	3495244	2055720	26.750	S-0631.274
Target Compounds						
2) a-BHC	5.829	6.261f	57350	85629	0.243	0.593 #
3) g-BHC	6.105f	6.529	257613	117848	1.266	0.947
4) b-BHC	6.204	6.567f	784975	211108	8.666	3.760 #
5) Heptachlor	6.523	6.923	119424	225919	0.631	1.992 #
6) d-BHC	6.383f	6.878f	121947	195220	0.660	1.761 #
7) Aldrin	6.796f	7.129f	63627	86550	0.300	0.689 #
8) Heptachlo...	7.226	7.620f	83828	75570	0.454	0.690 #
9) trans-Chl...	7.309	7.731	72340	128712	0.375	1.138 #
10) cis-Chlor...	7.418	7.854	120949	96555	0.453	0.878 #
11) Endosulfa...	7.504	7.901	66723	75595	0.389	0.754 #
12) 4,4'-DDE	7.474	7.953	140105	103405	0.737	0.937
13) Dieldrin	7.683	8.060f	54650	292494	0.285	2.630 #
14) Endrin	7.888f	8.315	414869	59365	2.859	0.706 #
15) 4,4'-DDD	7.888	8.364	414869	81644	2.873	0.966 #
16) Endosulfa...	7.997	8.447	40782	49136	0.280	0.559 #
17) 4,4'-DDT	8.095	8.587	93202	86051	0.823	1.351 # P-01
18) Endrin Al...	8.306	8.693	41462	46327	0.030	0.324 #
19) Endosulfa...	8.609	8.887	44448	47500	0.332	0.658 #
20) Methoxychlor	8.427	9.054	215664	64126	3.795	1.826 #
21) Endrin Ke...	8.791	9.269	20985	43324	0.141	0.526 #
23) Hexachlor...	3.094	3.387f	53762	27373	0.124	0.007 #
24) Hexachlor...	5.700	6.123	76135	106591	0.260	0.890 #
25) Oxychlorane	7.136f	7.571	87891	188322	0.194	1.753 #
26) 2,4'-DDE	7.226	7.731	83828	128712	0.394	Q-31 1.471 # MDL=MRL
27) trans-Non...	7.418	7.854f	120949	96555	0.329	0.522 #
28) 2,4'-DDD	7.597	8.083	63578	67492	0.280	0.722m#
29) 2,4'-DDT	7.777	8.315	61717	59365	0.325	0.834 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112109.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:41
 Operator : MJB
 Sample : A1E0231-04RE1
 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: Jun 11 17:22:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

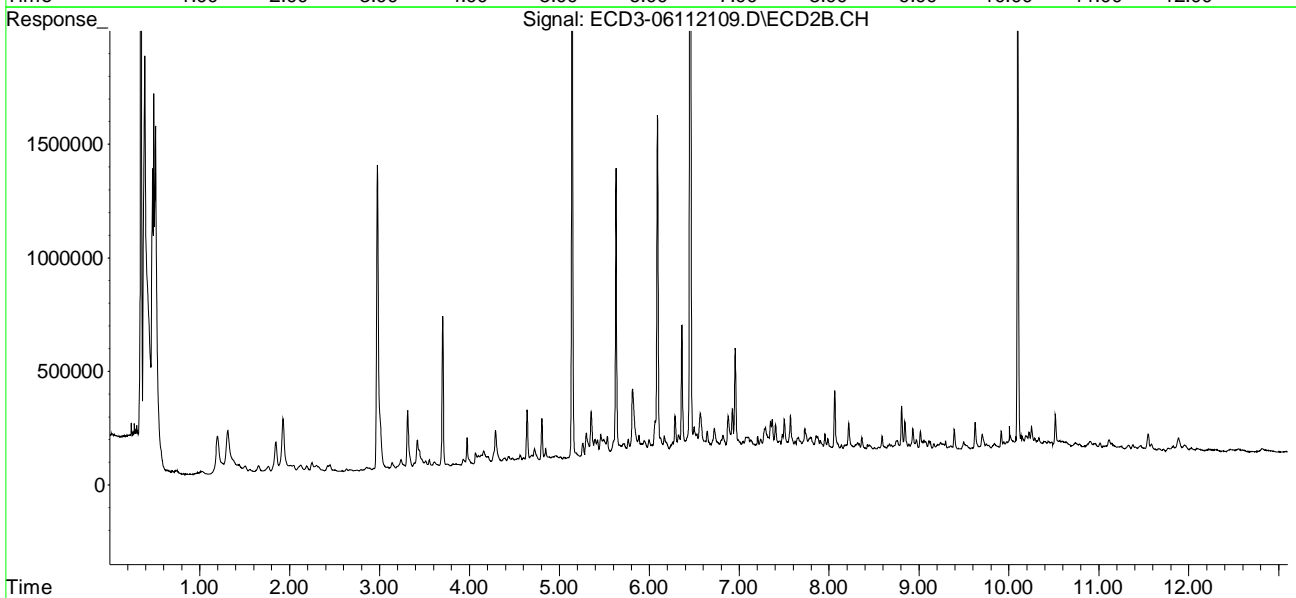
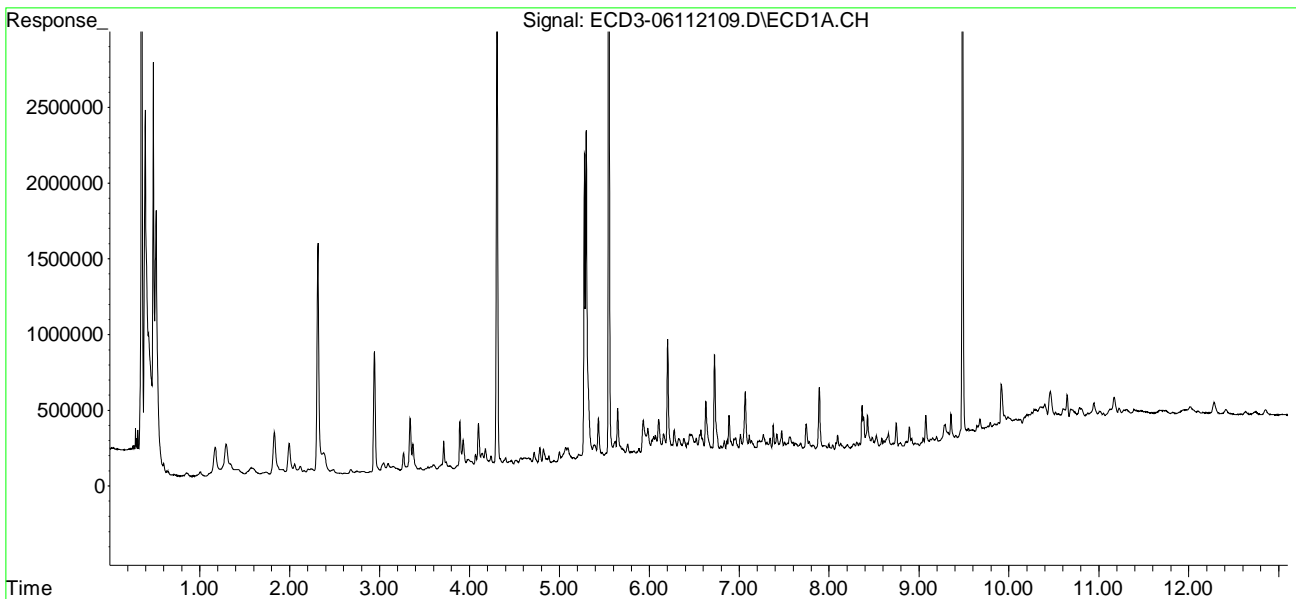
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.888	8.364f	414869	81644	1.964	0.393 #
31)	Mirex	8.525f	9.269	78951	43324	0.179	0.114
32)	Chlordane...	7.309	7.731	72340	128712	3.305	9.387 #
33)	Chlordane...	7.418	7.854	120949	96555	5.460	8.180 #
34)	Chlordane...	7.946f	8.502	30787	37740	5.403	11.284 #
35)	Chlordane...	3.715f	0.000	186745	0	NoCal	N.D.
36)	Toxaphene...	7.418	8.136f	120949	52051	142.250	44.060 #
37)	Toxaphene...	7.745f	8.447	177316	49136	100.344	40.581 #
38)	Toxaphene...	8.039	8.502f	32637	37740	11.521	22.380 #
39)	Toxaphene...	8.276	8.548	32372	38427	6.261	5.412
40)	Toxaphene...	8.478f	8.755f	70131	66272	33.605	34.498
41)	Toxaphene...	8.584	9.107	58652	60722	23.588	36.923 #
42)	Toxaphene...	3.715f	0.000	186745	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:41
Operator : MJB
Sample : A1E0231-04RE1
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: Jun 11 17:22:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112110.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:59
 Operator : MJB
 Sample : 1060443-MS1
 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: Jun 11 17:23:36 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.629	3892903	2209066	22.453	21.581
22) S DCBP (S)	9.483	10.098	4802265	2818055	36.753	43.044
Target Compounds						
2) a-BHC	5.823	6.259f	130463	191074	0.553	1.323 #
3) g-BHC	6.102f	6.529	363281	210542	1.786	1.692
4) b-BHC	6.203	6.618	1231065	169115	13.591	3.012 #
5) Heptachlor	6.522	6.922	425976	352355	2.252	3.106
6) d-BHC	6.382f	6.871f	225698	513423	1.222	4.631 #
7) Aldrin	6.795f	7.180	124540	122000	0.587	0.971 #
8) Heptachlo...	7.223	7.590	4081864	156500	22.128	1.430 #
9) trans-Chl...	7.307	7.728	147394	2722127	0.765	24.067 #
10) cis-Chlor...	7.416	7.852	235494	170931	1.103	1.555 #
11) Endosulfa...	7.535	7.903	108692	126999	0.634	1.267 #
12) 4,4'-DDE	7.474	7.953	6934343	4503289	36.468	40.811
13) Dieldrin	7.682	8.097	103377	2765920	0.540	24.875 #
14) Endrin	7.857	8.317	64069	2647307	0.441	31.505 #
15) 4,4'-DDD	7.899	8.363	6801091	4278071	47.097	50.611
16) Endosulfa...	7.997	8.425f	79972	101967	0.550	1.159 #
17) 4,4'-DDT	8.094	8.586	5548004	3539924	48.964	55.574
18) Endrin Al...	8.306	8.697	63948	92798	0.224	0.981 #
19) Endosulfa...	8.608	8.887	48451	90612	0.362	1.256 #
20) Methoxychlor	8.425	9.074	272298	108424	4.792	3.087
21) Endrin Ke...	8.790	9.246	29184	90522	0.196	1.099 #
23) Hexachlor...	3.087	3.385	105909	66135	0.428	0.317
24) Hexachlor...	5.718f	6.091f	150599	2950086	0.709	29.585 #
25) Oxychlorane	7.136f	7.570	164355	263781	0.716	2.621 #
26) 2,4'-DDE	7.223	7.728	4081864	2722127	34.565	38.168
27) trans-Non...	7.416	7.817	235494	142042	0.996	0.967
28) 2,4'-DDD	7.598	8.097	4397399	2765920	43.648	45.648
29) 2,4'-DDT	7.778	8.317	4208186	2647307	49.983	53.123

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112110.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:59
 Operator : MJB
 Sample : 1060443-MS1
 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: Jun 11 17:23:36 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

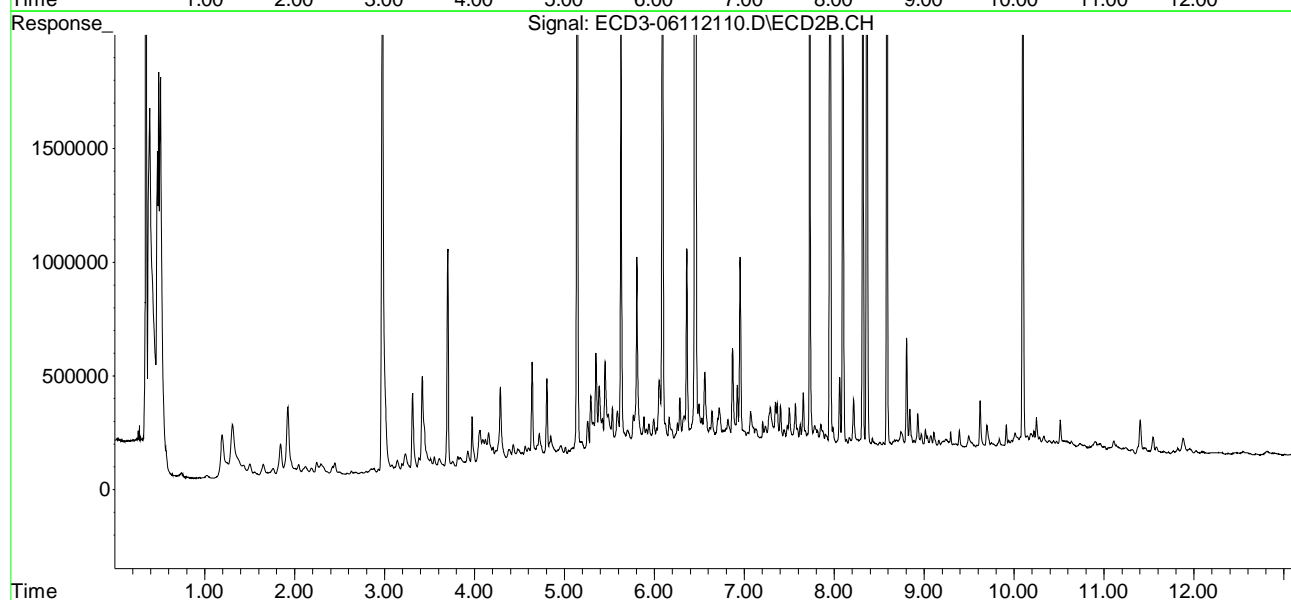
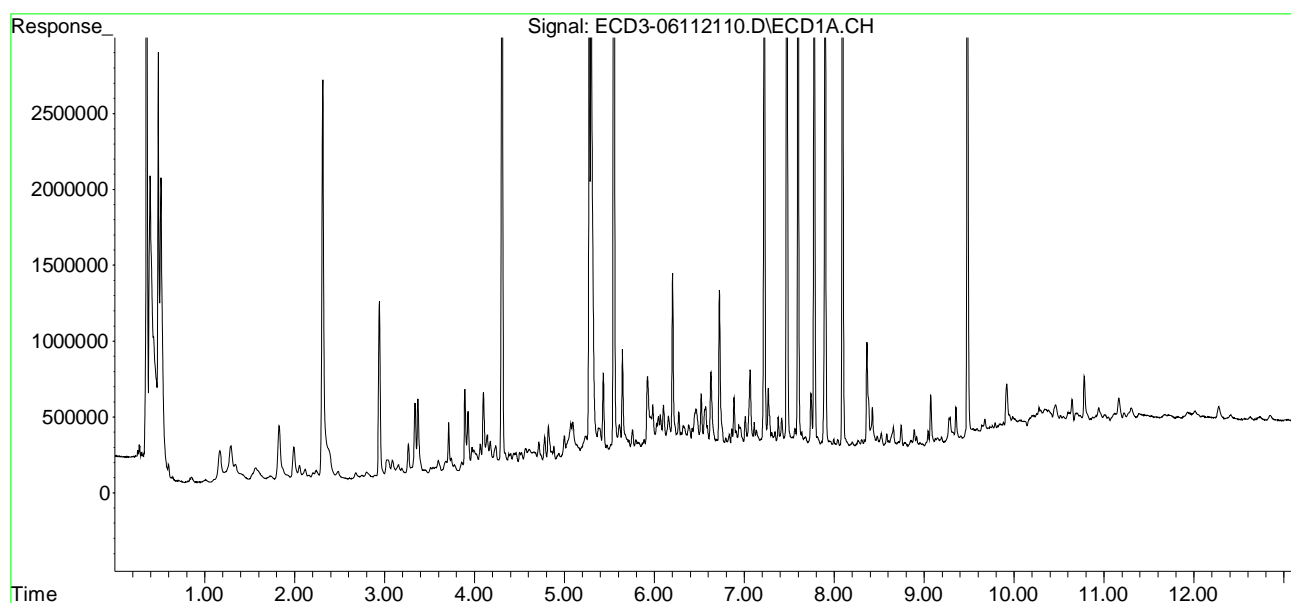
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.899	8.363f	6801091	4278071	37.246	40.326
31)	Mirex	8.524f	9.296	99526	123067	0.370	1.410 #
32)	Chlordane...	7.307	7.728	147394	2722127	6.734	198.533 #
33)	Chlordane...	7.416	7.852	235494	170931	10.630	14.480
34)	Chlordane...	7.957	8.510	67562	84620	11.857	25.300 #
35)	Chlordane...	3.683	0.000	79856	0	NoCal	N.D.
36)	Toxaphene...	7.416	8.097	235494	2765920	272.738	2341.309 #
37)	Toxaphene...	7.743f	8.425f	388520	101967	219.866	80.716 #
38)	Toxaphene...	8.040	8.510f	72796	84620	24.145	48.164 #
39)	Toxaphene...	8.266	8.546	60916	83438	15.308	20.899
40)	Toxaphene...	8.477f	8.742	81197	129032	38.432	67.168 #
41)	Toxaphene...	8.583	9.107	93990	122687	36.449	73.288 #
42)	Toxaphene...	3.683	0.000	79856	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:59
Operator : MJB
Sample : 1060443-MS1
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: Jun 11 17:23:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112110.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:59
 Operator : MJB
 Sample : 1060443-MS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:23:36 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.299	5.629	3892903	2209066	22.453	21.581
22) S DCBP (S)	9.483	10.098	4802265	2818055	36.753	43.044
Target Compounds						
2) a-BHC	5.823	6.259f	130463	191074	0.553	1.323 #
3) g-BHC	6.102f	6.529	363281	210542	1.786	1.692
4) b-BHC	6.203	6.618	1231065	169115	13.591	3.012 #
5) Heptachlor	6.522	6.922	425976	352355	2.252	3.106
6) d-BHC	6.382f	6.871f	225698	513423	1.222	4.631 #
7) Aldrin	6.795f	7.180	124540	122000	0.587	0.971 #
8) Heptachlo...	7.223	7.590	4081864	156500	22.128	1.430 #
9) trans-Chl...	7.307	7.728	147394	2722127	0.765	24.067 #
10) cis-Chlor...	7.416	7.852	235494	170931	1.103	1.555 #
11) Endosulfa...	7.535	7.903	108692	126999	0.634	1.267 #
12) 4,4'-DDE	7.474	7.953	6934343	4503289	36.468	40.811
13) Dieldrin	7.682	8.097	103377	2765920	0.540	24.875 #
14) Endrin	7.857	8.317	64069	2647307	0.441	31.505 #
15) 4,4'-DDD	7.899	8.363	6801091	4278071	47.097	50.611
16) Endosulfa...	7.997	8.425f	79972	101967	0.550	1.159 #
17) 4,4'-DDT	8.094	8.586	5548004	3539924	48.964	RPT55.574
18) Endrin Al...	8.306	8.697	63948	92798	0.224	0.981 #
19) Endosulfa...	8.608	8.887	48451	90612	0.362	1.256 #
20) Methoxychlor	8.425	9.074	272298	108424	4.792	3.087
21) Endrin Ke...	8.790	9.246	29184	90522	0.196	1.099 #
23) Hexachlor...	3.087	3.385	105909	66135	0.428	0.317
24) Hexachlor...	5.718f	6.091f	150599	2950086	0.709	29.585 #
25) Oxychlorane	7.136f	7.570	164355	263781	0.716	2.621 #
26) 2,4'-DDE	7.223	7.728	4081864	2722127	34.565	38.168 MDL=MRL
27) trans-Non...	7.416	7.817	235494	142042	0.996	0.967
28) 2,4'-DDD	7.598	8.097	4397399	2765920	43.648	45.648
29) 2,4'-DDT	7.778	8.317	4208186	2647307	49.983	53.123

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112110.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 13:59
 Operator : MJB
 Sample : 1060443-MS1
 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: Jun 11 17:23:36 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

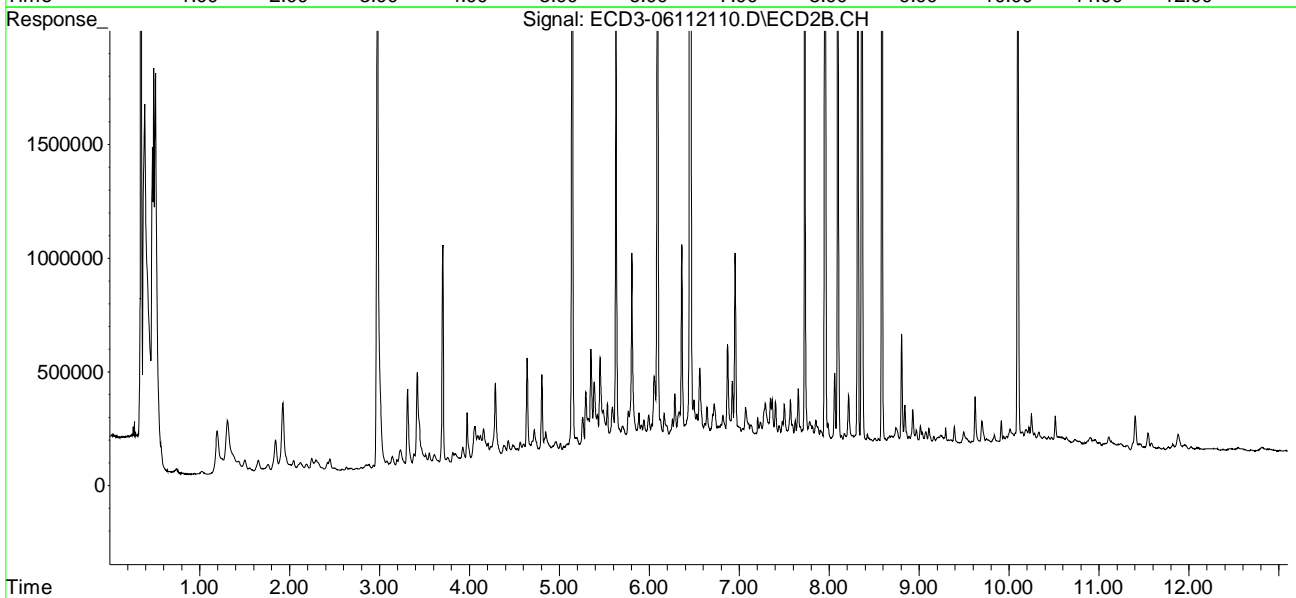
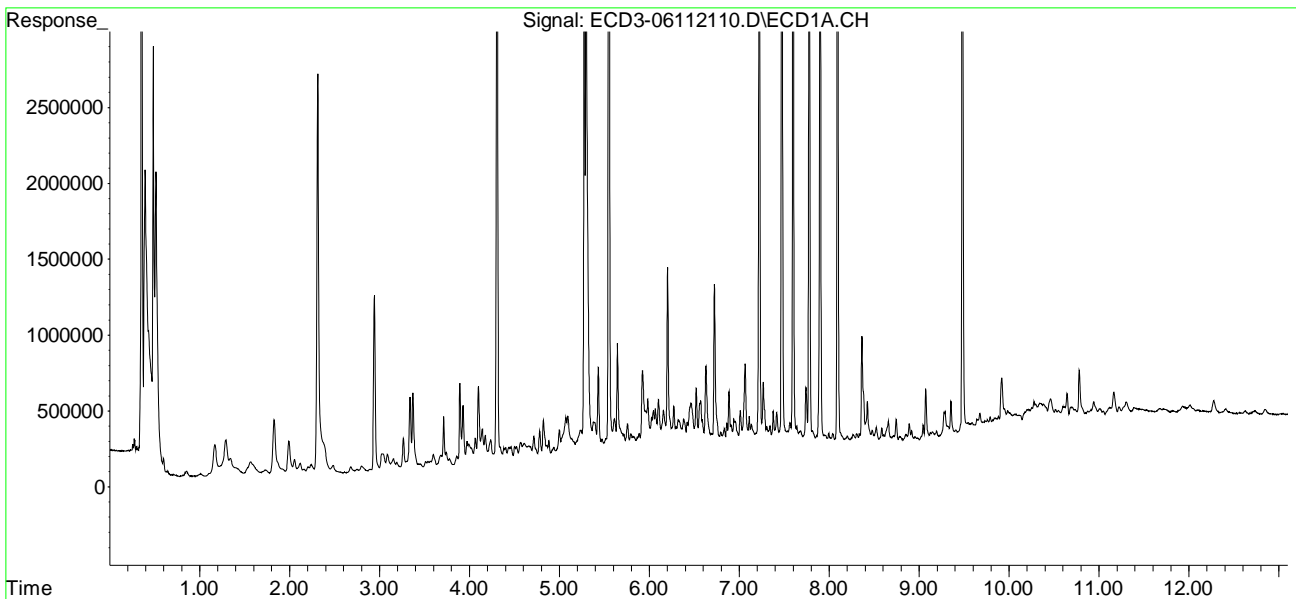
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.899	8.363f	6801091	4278071	37.246	40.326
31)	Mirex	8.524f	9.296	99526	123067	0.370	1.410 #
32)	Chlordane...	7.307	7.728	147394	2722127	6.734	198.533 #
33)	Chlordane...	7.416	7.852	235494	170931	10.630	14.480
34)	Chlordane...	7.957	8.510	67562	84620	11.857	25.300 #
35)	Chlordane...	3.683	0.000	79856	0	NoCal	N.D.
36)	Toxaphene...	7.416	8.097	235494	2765920	272.738	2341.309 #
37)	Toxaphene...	7.743f	8.425f	388520	101967	219.866	80.716 #
38)	Toxaphene...	8.040	8.510f	72796	84620	24.145	48.164 #
39)	Toxaphene...	8.266	8.546	60916	83438	15.308	20.899
40)	Toxaphene...	8.477f	8.742	81197	129032	38.432	67.168 #
41)	Toxaphene...	8.583	9.107	93990	122687	36.449	73.288 #
42)	Toxaphene...	3.683	0.000	79856	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 13:59
Operator : MJB
Sample : 1060443-MS1
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: Jun 11 17:23:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112111.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:16
 Operator : MJB
 Sample : 1F11025-CCV3
 Misc : A21F093, 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: Jun 11 17:28:28 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.300	5.631	16528505	9811903	95.333	95.856
22) S DCBP (S)	9.486	10.100	12120475	6941374	92.760	107.605
Target Compounds						
2) a-BHC	5.845	6.222	24131053	15051625	102.235	104.252
3) g-BHC	6.129	6.534	20854856	13308140	102.528	106.942
4) b-BHC	6.209	6.604	8112927	5509857	89.567	98.147
5) Heptachlor	6.523	6.904	20275419	12938235	107.192	114.065
6) d-BHC	6.357	6.848	18099076	12530745	98.024	113.024
7) Aldrin	6.762	7.163	20005263	12486302	94.270	99.396
8) Heptachlo...	7.228	7.596	17688362	11247390	95.890	102.748
9) trans-Chl...	7.320	7.737	18288293	11150974	94.912	98.588
10) cis-Chlor...	7.417	7.843	17454475	10543418	96.003	95.912
11) Endosulfa...	7.517	7.888	16362380	10136997	95.409	101.131
12) 4,4'-DDE	7.477	7.955	16599085	10890205	87.296	98.693
13) Dieldrin	7.690	8.086	18986956	11800923	99.176	106.129
14) Endrin	7.856	8.305	15412818	9574370	106.209	113.943
15) 4,4'-DDD	7.903	8.366	13543645	9261028	93.788	109.561
16) Endosulfa...	8.015	8.452	14339984	9507075	98.624	108.062
17) 4,4'-DDT	8.097	8.588	13413836	8921551	118.385	140.062
18) Endrin Al...	8.309	8.687	12593879	7860611	110.410	112.251
19) Endosulfa...	8.612	8.881	14499073	9243151	108.386	128.125
20) Methoxychlor	8.432	9.056	6219164	4344299	109.445	123.683
21) Endrin Ke...	8.808	9.261	17596156	10813842	118.084	131.241
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.683	0.000	28963	0	BelowCal	N.D.
25) Oxychlorane	7.163	7.567	83586	9169	0.164	BelowCal #
26) 2,4'-DDE	7.228	7.737	17688362	11150974	148.278	154.540
27) trans-Non...	7.417	7.843	17454475	10543418	98.146	102.152
28) 2,4'-DDD	7.602	8.086	52778	11800923	0.170	184.354 #
29) 2,4'-DDT	7.780	8.305	50533	9574370	0.184	173.172 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112111.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:16
 Operator : MJB
 Sample : 1F11025-CCV3
 Misc : A21F093, 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: Jun 11 17:28:28 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

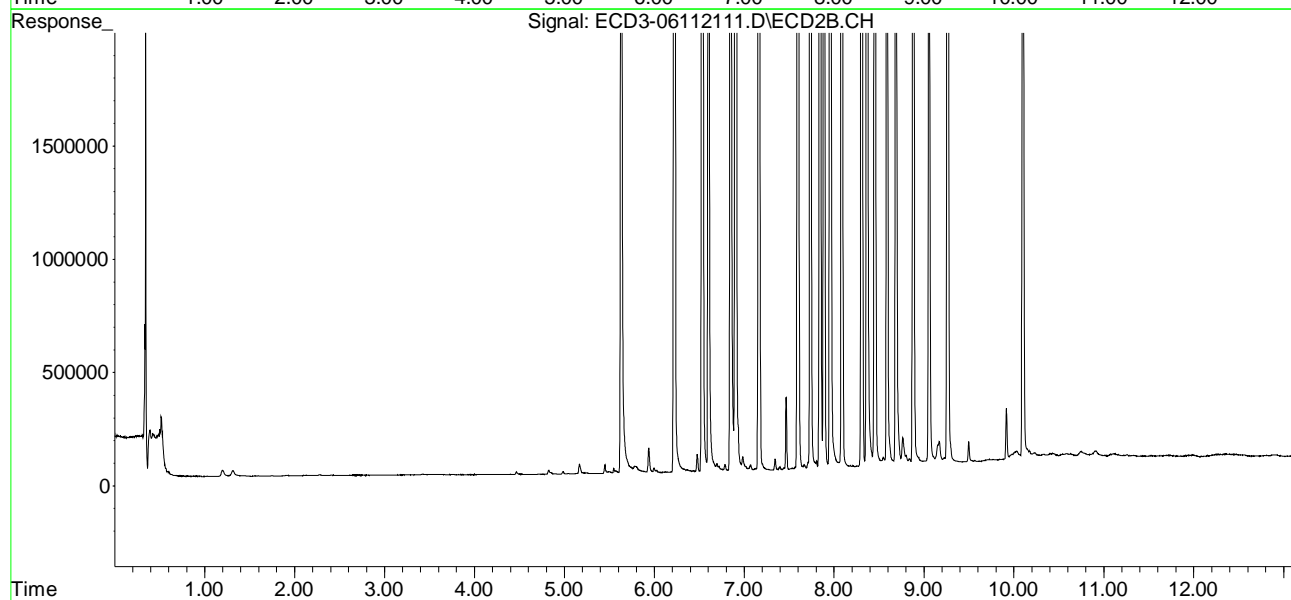
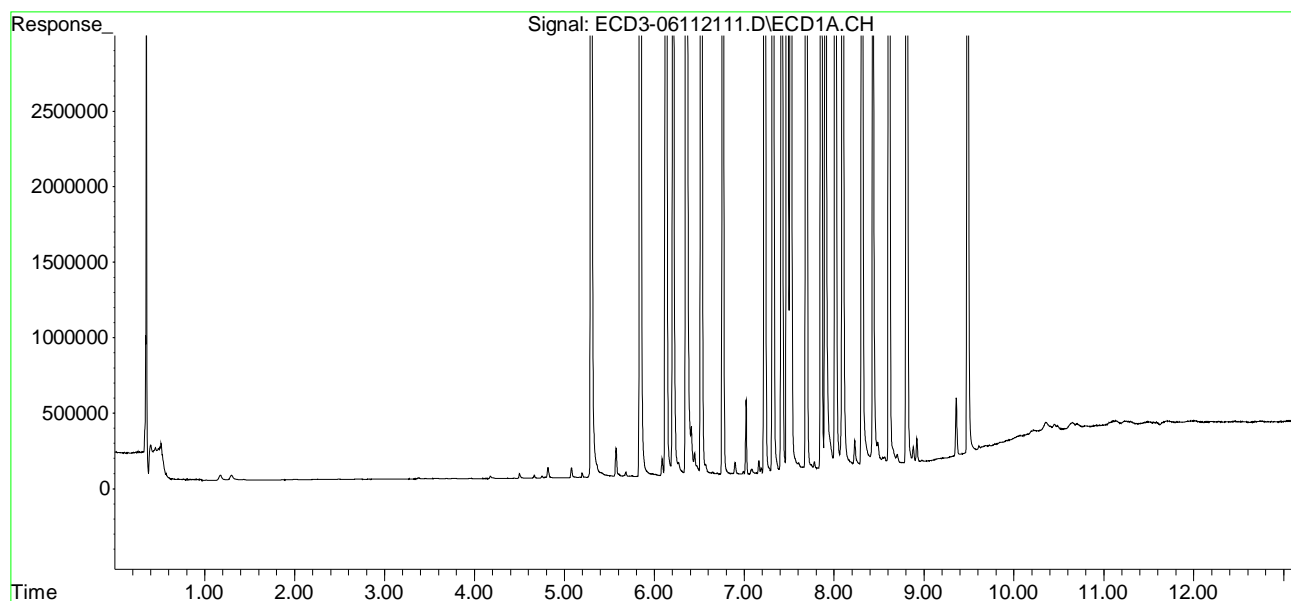
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.903	8.366	13543645	9261028	73.487	87.331
31)	Mirex	8.561	9.261	49669	10813842	BelowCal	174.660
32)	Chlordane...	7.320	7.737	18288293	11150974	835.538	813.276
33)	Chlordane...	7.417	7.843	17454475	10543418	787.886	893.190
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.417	8.086	17454475	11800923	12967.101	9989.301
37)	Toxaphene...	7.690f	8.452	18986956	9507075	10744.830	5511.988 #
38)	Toxaphene...	8.015	8.452f	14339984	9507075	3454.906	4068.785
39)	Toxaphene...	0.000	8.547	0	37246	N.D.	5.005 #
40)	Toxaphene...	8.484	8.761f	148145	118149	67.493	61.503
41)	Toxaphene...	8.561	9.056f	49669	4344299	20.312	2045.218 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 14:16
Operator : MJB
Sample : 1F11025-CCV3
Misc : A21F093, 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: Jun 11 17:28:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112111.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:16
 Operator : MJB
 Sample : 1F11025-CCV3
 Misc : A21F093, AB 100 ppb
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:28:28 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.300	5.631	16528505	9811903	95.333	95.856
22) S DCBP (S)	9.486	10.100	12120475	6941374	92.760	107.605
Target Compounds						
2) a-BHC	5.845	6.222	24131053	15051625	102.235	104.252
3) g-BHC	6.129	6.534	20854856	13308140	102.528	106.942
4) b-BHC	6.209	6.604	8112927	5509857	89.567	98.147
5) Heptachlor	6.523	6.904	20275419	12938235	107.192	114.065
6) d-BHC	6.357	6.848	18099076	12530745	98.024	113.024
7) Aldrin	6.762	7.163	20005263	12486302	94.270	99.396
8) Heptachlo...	7.228	7.596	17688362	11247390	95.890	102.748
9) trans-Chl...	7.320	7.737	18288293	11150974	94.912	98.588
10) cis-Chlor...	7.417	7.843	17454475	10543418	96.003	95.912
11) Endosulfa...	7.517	7.888	16362380	10136997	95.409	101.131
12) 4,4'-DDE	7.477	7.955	16599085	10890205	87.296	98.693
13) Dieldrin	7.690	8.086	18986956	11800923	99.176	106.129
14) Endrin	7.856	8.305	15412818	9574370	106.209	113.943
15) 4,4'-DDD	7.903	8.366	13543645	9261028	93.788	109.561
16) Endosulfa...	8.015	8.452	14339984	9507075	98.624	108.062
17) 4,4'-DDT	8.097	8.588	13413836	8921551	118.385	140.062 Q-41
18) Endrin Al...	8.309	8.687	12593879	7860611	110.410	112.251
19) Endosulfa...	8.612	8.881	14499073	9243151	108.386	128.125
20) Methoxychlor	8.432	9.056	6219164	4344299	109.445	123.683
21) Endrin Ke...	8.808	9.261	17596156	10813842	118.084	131.241
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.683	0.000	28963	0	BelowCal	N.D.
25) Oxychlorane	7.163	7.567	83586	9169	0.164	BelowCal #
26) 2,4'-DDE	7.228	7.737	17688362	11150974	148.278	154.540
27) trans-Non...	7.417	7.843	17454475	10543418	98.146	102.152
28) 2,4'-DDD	7.602	8.086	52778	11800923	0.170	184.354 #
29) 2,4'-DDT	7.780	8.305	50533	9574370	0.184	173.172 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112111.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:16
 Operator : MJB
 Sample : 1F11025-CCV3
 Misc : A21F093, 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: Jun 11 17:28:28 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

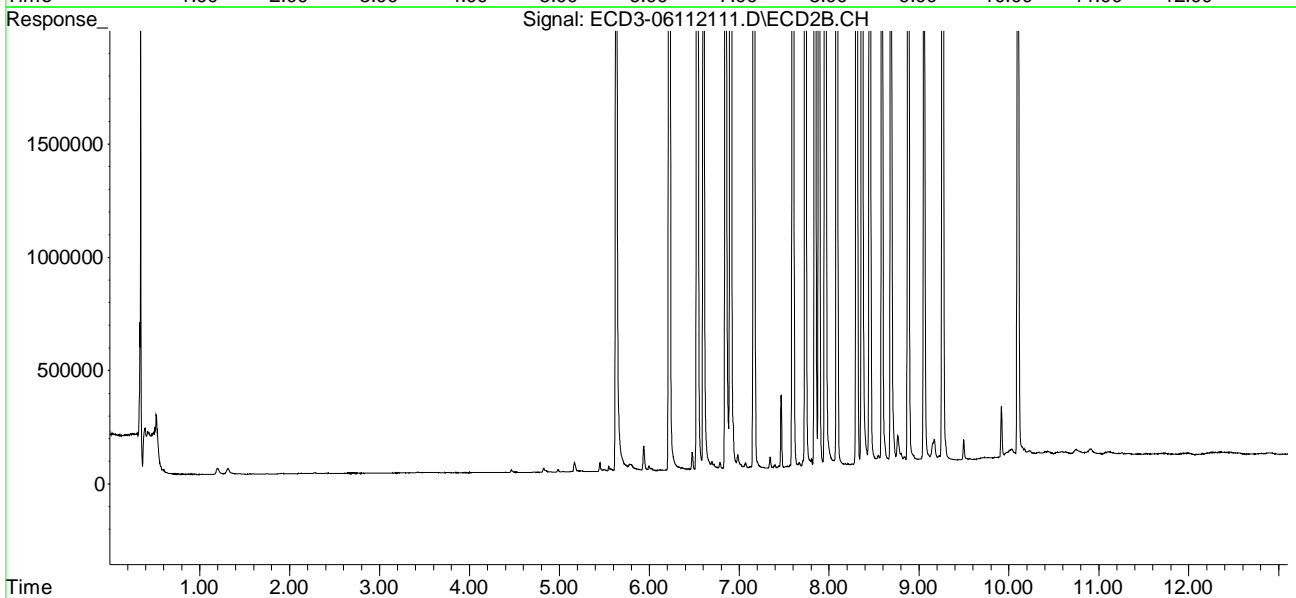
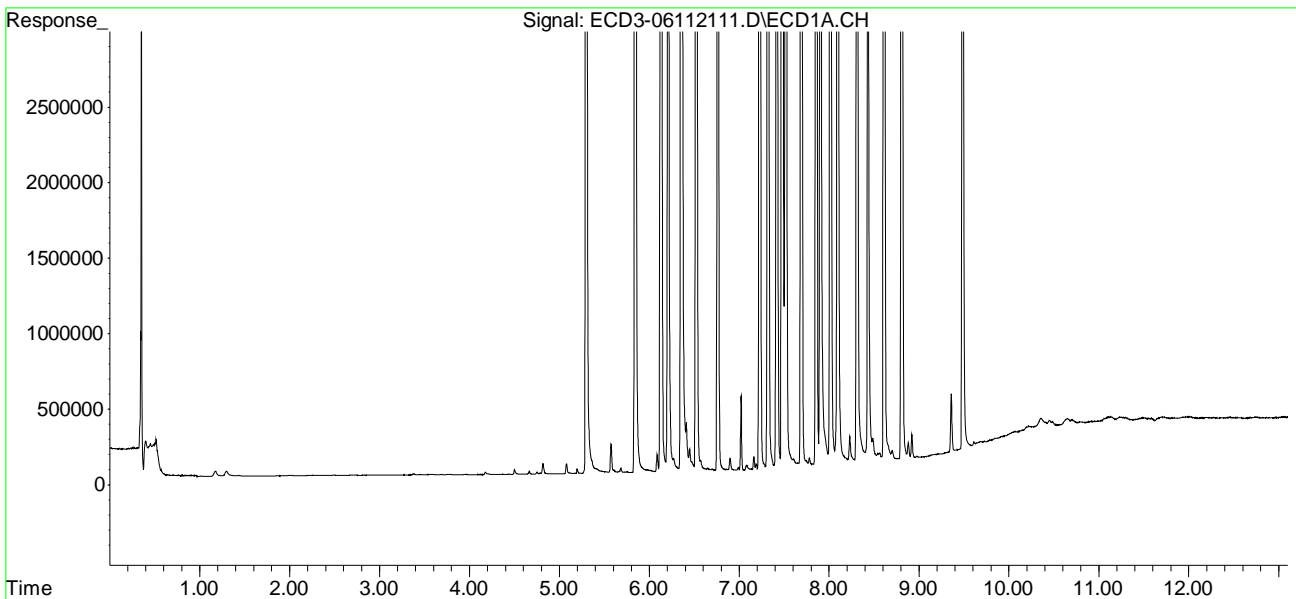
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.903	8.366	13543645	9261028	73.487	87.331
31)	Mirex	8.561	9.261	49669	10813842	BelowCal	174.660
32)	Chlordane...	7.320	7.737	18288293	11150974	835.538	813.276
33)	Chlordane...	7.417	7.843	17454475	10543418	787.886	893.190
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.417	8.086	17454475	11800923	12967.101	9989.301
37)	Toxaphene...	7.690f	8.452	18986956	9507075	10744.830	5511.988 #
38)	Toxaphene...	8.015	8.452f	14339984	9507075	3454.906	4068.785
39)	Toxaphene...	0.000	8.547	0	37246	N.D.	5.005 #
40)	Toxaphene...	8.484	8.761f	148145	118149	67.493	61.503
41)	Toxaphene...	8.561	9.056f	49669	4344299	20.312	2045.218 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 14:16
Operator : MJB
Sample : 1F11025-CCV3
Misc : A21F093, 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: Jun 11 17:28:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112112.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:33
 Operator : MJB
 Sample : 1F11025-CCV4
 Misc : A21C332, 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: Jun 11 17:29:57 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.273f	5.669f	132197	78544	0.762	0.767
22) S DCBP (S)	9.484	10.104	6217	5344	0.048	5536.497 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.120	0.000	23305	0	0.115	N.D. #
4) b-BHC	0.000	6.611	0	15685	N.D.	0.279 #
5) Heptachlor	6.524	6.904	17279	11686	0.091	0.103
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.226	7.636f	10180407	48624	55.189	0.444 #
9) trans-Chl...	7.319	7.730	116824	7034584	0.606	62.194 #
10) cis-Chlor...	7.405	7.804f	17216220	10282654	94.726	93.540
11) Endosulfa...	7.500	7.886	42588	6759	0.248	0.067 #
12) 4,4'-DDE	7.500f	0.000	42588	0	0.224	N.D. #
13) Dieldrin	7.684	8.100	69929	6311768	0.365	56.763 #
14) Endrin	7.879f	8.319	18461770	6979034	127.219	83.057
15) 4,4'-DDD	7.879f	8.358	18461770	11438516	127.846	135.322
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.306	8.698	6932	10498	5773.526	8826.841 #
19) Endosulfa...	8.589f	0.000	59259	0	0.443	N.D. #
20) Methoxychlor	0.000	9.069	0	1130	N.D.	0.032 #
21) Endrin Ke...	8.809	9.250	2716	6892523	0.018	83.651 #
23) Hexachlor...	3.099	3.352	15165960	11166866	91.882	97.874
24) Hexachlor...	5.682	6.090f	15842580	9775939	92.802	97.931
25) Oxychlorane	7.152	7.529f	15527685	9757973	104.171	110.910
26) 2,4'-DDE	7.226	7.730	10180407	7034584	86.013	98.244
27) trans-Non...	7.405	7.804f	17216220	10282654	96.843	99.632
28) 2,4'-DDD	7.602	8.100	9231213	6311768	90.058	102.054
29) 2,4'-DDT	7.781	8.319	10489539	6979034	117.460	130.908

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112112.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:33
 Operator : MJB
 Sample : 1F11025-CCV4
 Misc : A21C332, 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: Jun 11 17:29:57 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

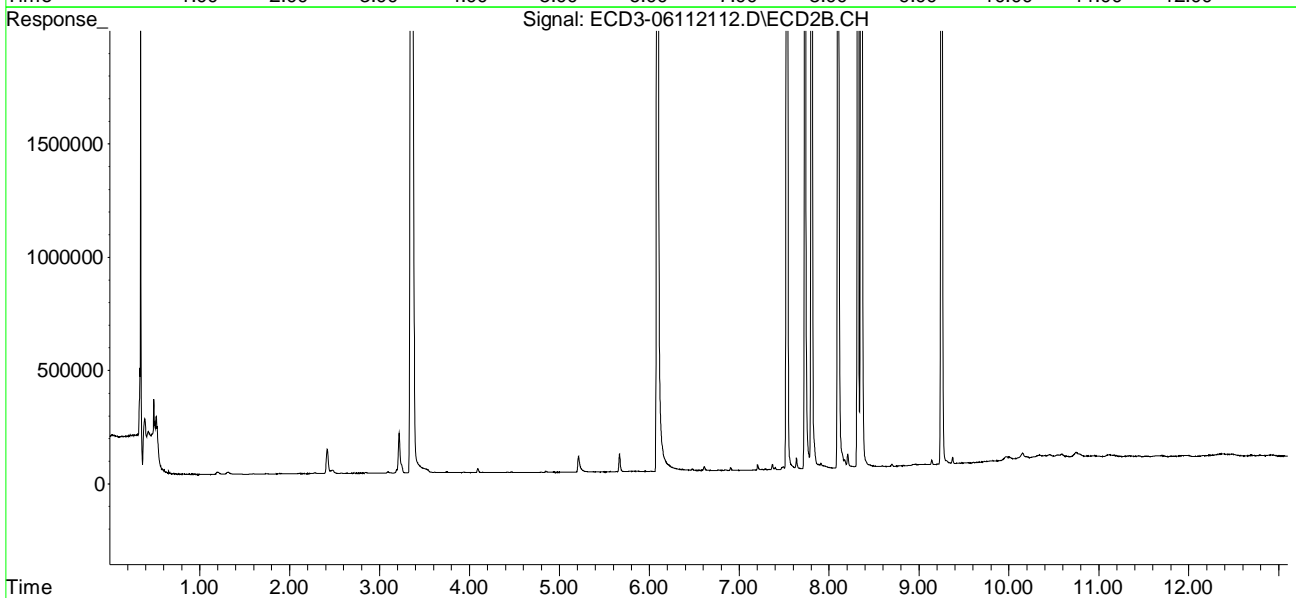
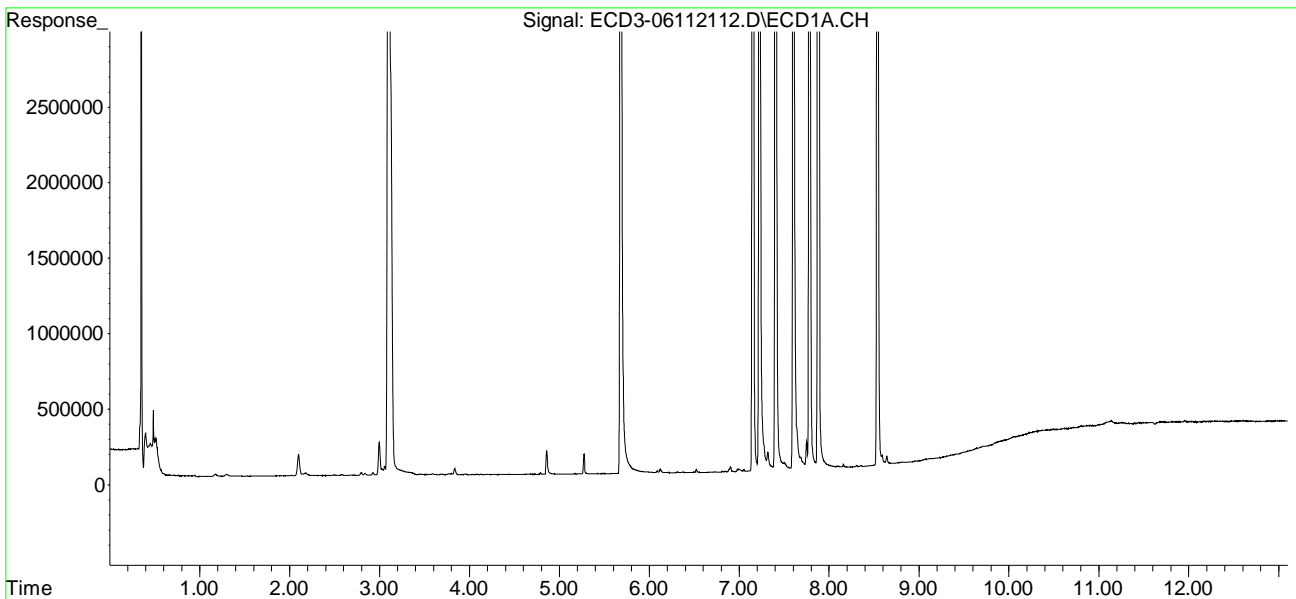
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.879	8.358f	18461770	11438516	99.314	107.734
31)	Mirex	8.538	9.250f	11677078	6892523	105.474	111.209
32)	Chlordane...	7.319	7.730	116824	7034584	5.337	513.055 #
33)	Chlordane...	7.405	7.886f	17216220	6759	777.131	0.573 #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.405	8.100	17216220	6311768	12836.571	5342.815 #
37)	Toxaphene...	7.684f	0.000	69929	0	39.573	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.306f	0.000	6932	0	BelowCal	N.D.
40)	Toxaphene...	8.538f	8.698f	11677078	10498	3435.355	5.465 #
41)	Toxaphene...	8.589f	9.069f	59259	1130	23.809	1.628 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 14:33
Operator : MJB
Sample : 1F11025-CCV4
Misc : A21C332, 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: Jun 11 17:29:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112112.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:33
 Operator : MJB
 Sample : 1F11025-CCV4
 Misc : A21C332, 9-42 100 ppb
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:29:57 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.273f	5.669f	132197	78544	0.762	0.767
22) S DCBP (S)	9.484	10.104	6217	5344	0.048	5536.497 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.120	0.000	23305	0	0.115	N.D. #
4) b-BHC	0.000	6.611	0	15685	N.D.	0.279 #
5) Heptachlor	6.524	6.904	17279	11686	0.091	0.103
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.226	7.636f	10180407	48624	55.189	0.444 #
9) trans-Chl...	7.319	7.730	116824	7034584	0.606	62.194 #
10) cis-Chlor...	7.405	7.804f	17216220	10282654	94.726	93.540
11) Endosulfa...	7.500	7.886	42588	6759	0.248	0.067 #
12) 4,4'-DDE	7.500f	0.000	42588	0	0.224	N.D. #
13) Dieldrin	7.684	8.100	69929	6311768	0.365	56.763 #
14) Endrin	7.879f	8.319	18461770	6979034	127.219	83.057
15) 4,4'-DDD	7.879f	8.358	18461770	11438516	127.846	135.322
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.306	8.698	6932	10498	5773.526	8826.841 #
19) Endosulfa...	8.589f	0.000	59259	0	0.443	N.D. #
20) Methoxychlor	0.000	9.069	0	1130	N.D.	0.032 #
21) Endrin Ke...	8.809	9.250	2716	6892523	0.018	83.651 #
23) Hexachlor...	3.099	3.352	15165960	11166866	91.882	97.874
24) Hexachlor...	5.682	6.090f	15842580	9775939	92.802	97.931
25) Oxychlorane	7.152	7.529f	15527685	9757973	104.171	110.910
26) 2,4'-DDE	7.226	7.730	10180407	7034584	86.013	98.244
27) trans-Non...	7.405	7.804f	17216220	10282654	96.843	99.632
28) 2,4'-DDD	7.602	8.100	9231213	6311768	90.058	102.054
29) 2,4'-DDT	7.781	8.319	10489539	6979034	117.460	130.908 Q-41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112112.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:33
 Operator : MJB
 Sample : 1F11025-CCV4
 Misc : A21C332, 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: Jun 11 17:29:57 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

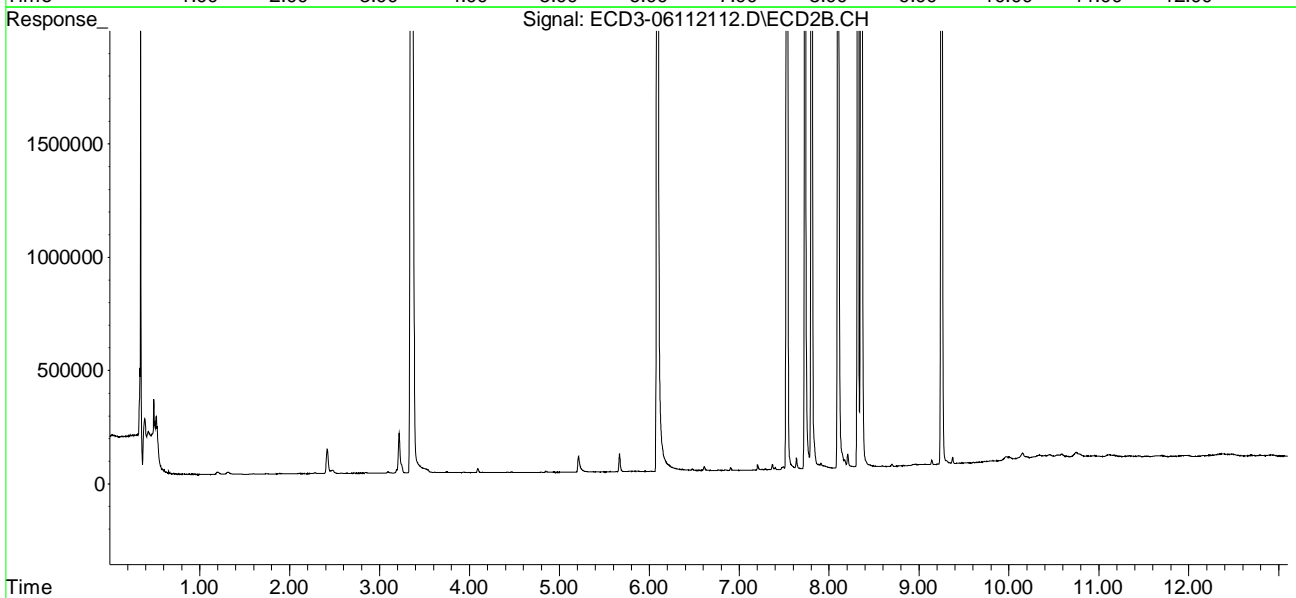
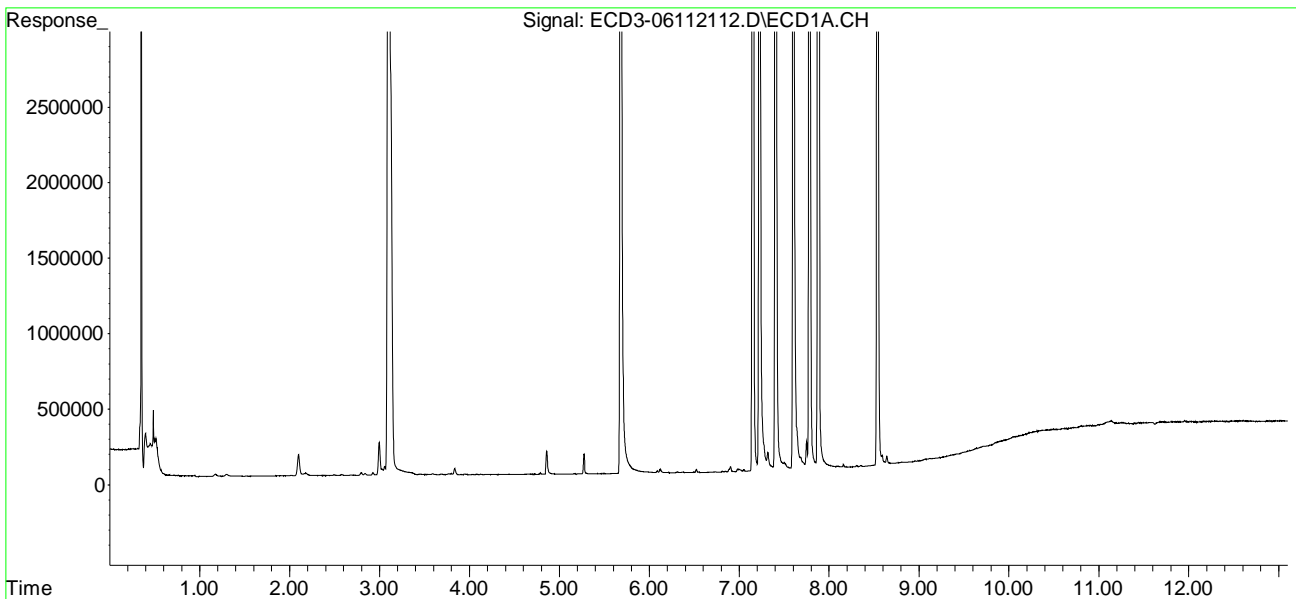
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	7.879	8.358f	18461770	11438516	99.314	107.734
31)	Mirex	8.538	9.250f	11677078	6892523	105.474	111.209
32)	Chlordane...	7.319	7.730	116824	7034584	5.337	513.055 #
33)	Chlordane...	7.405	7.886f	17216220	6759	777.131	0.573 #
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.405	8.100	17216220	6311768	12836.571	5342.815 #
37)	Toxaphene...	7.684f	0.000	69929	0	39.573	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.306f	0.000	6932	0	BelowCal	N.D.
40)	Toxaphene...	8.538f	8.698f	11677078	10498	3435.355	5.465 #
41)	Toxaphene...	8.589f	9.069f	59259	1130	23.809	1.628 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 14:33
Operator : MJB
Sample : 1F11025-CCV4
Misc : A21C332, 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: Jun 11 17:29:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112113.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:50
 Operator : MJB
 Sample : 1F11025-CCB2
 Misc : A21F130
 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: Jun 11 17:31:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.300	5.631	16519803	9592822	95.283	93.716
22) S DCBP (S)	9.486	10.099	11809776	7107983	90.382	110.247
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.315	7.771f	9313	7011	0.048	0.062
10) cis-Chlor...	7.448f	0.000	8226	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.448f	0.000	8226	0	0.043	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...	8.345f	0.000	570	0	5773.581	N.D. #
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.815	0.000	2344	0	0.016	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.683	0.000	24525	0	BelowCal	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	7.771f	0	7011	N.D.	BelowCal
27) trans-Non...	7.448f	0.000	8226	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.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112113.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:50
 Operator : MJB
 Sample : 1F11025-CCB2
 Misc : A21F130
 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: Jun 11 17:31:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

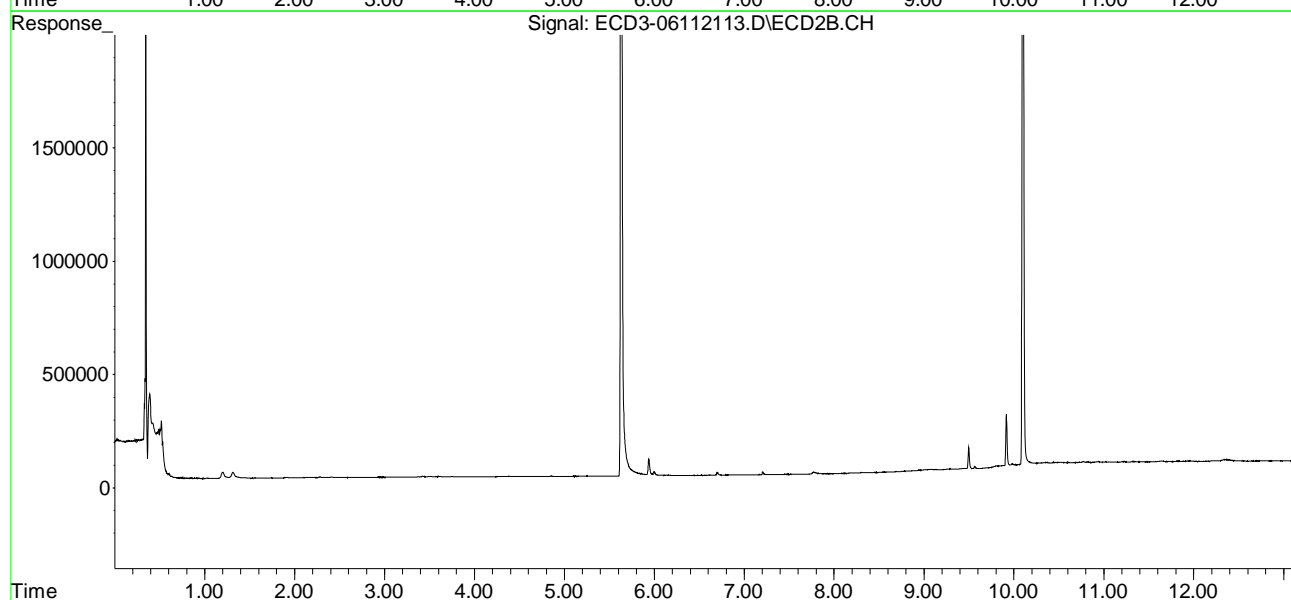
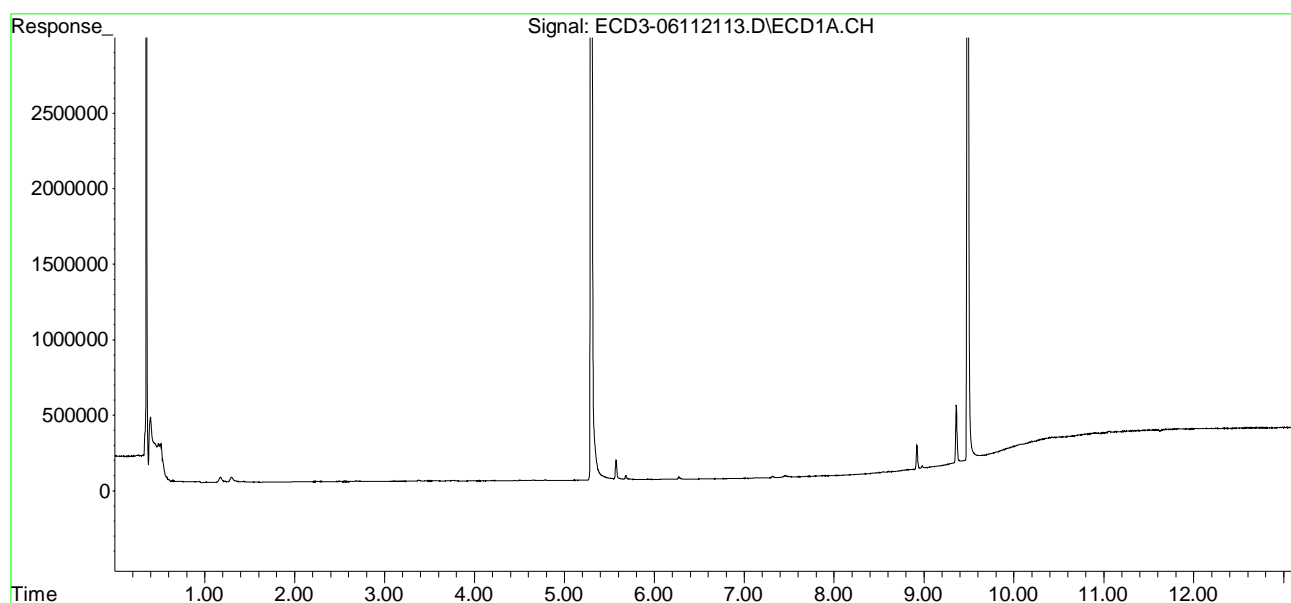
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.541	0.000	3798	0	BelowCal	N.D.	
32)	Chlordane...	7.315	7.771f	9313	7011	0.425	0.511	
33)	Chlordane...	7.448f	0.000	8226	0	0.371	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.448f	0.000	8226	0	12.402	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	8.475f	0.000	1443	0	3.493	N.D.	#
41)	Toxaphene...	8.541f	0.000	3798	0	3.541	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 14:50
Operator : MJB
Sample : 1F11025-CCB2
Misc : A21F130
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: Jun 11 17:31:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112113.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:50
 Operator : MJB
 Sample : 1F11025-CCB2
 Misc : A21F130
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 6/11/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jun 11 17:31:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.300	5.631	16519803	9592822	95.283	93.716
22) S DCBP (S)	9.486	10.099	11809776	7107983	90.382	110.247
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.315	7.771f	9313	7011	0.048	0.062
10) cis-Chlor...	7.448f	0.000	8226	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.448f	0.000	8226	0	0.043	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...	8.345f	0.000	570	0	5773.581	N.D. #
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.815	0.000	2344	0	0.016	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.683	0.000	24525	0	BelowCal	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	7.771f	0	7011	N.D.	BelowCal
27) trans-Non...	7.448f	0.000	8226	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.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
 Data File : ECD3-06112113.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 11 Jun 2021 14:50
 Operator : MJB
 Sample : 1F11025-CCB2
 Misc : A21F130
 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: Jun 11 17:31:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

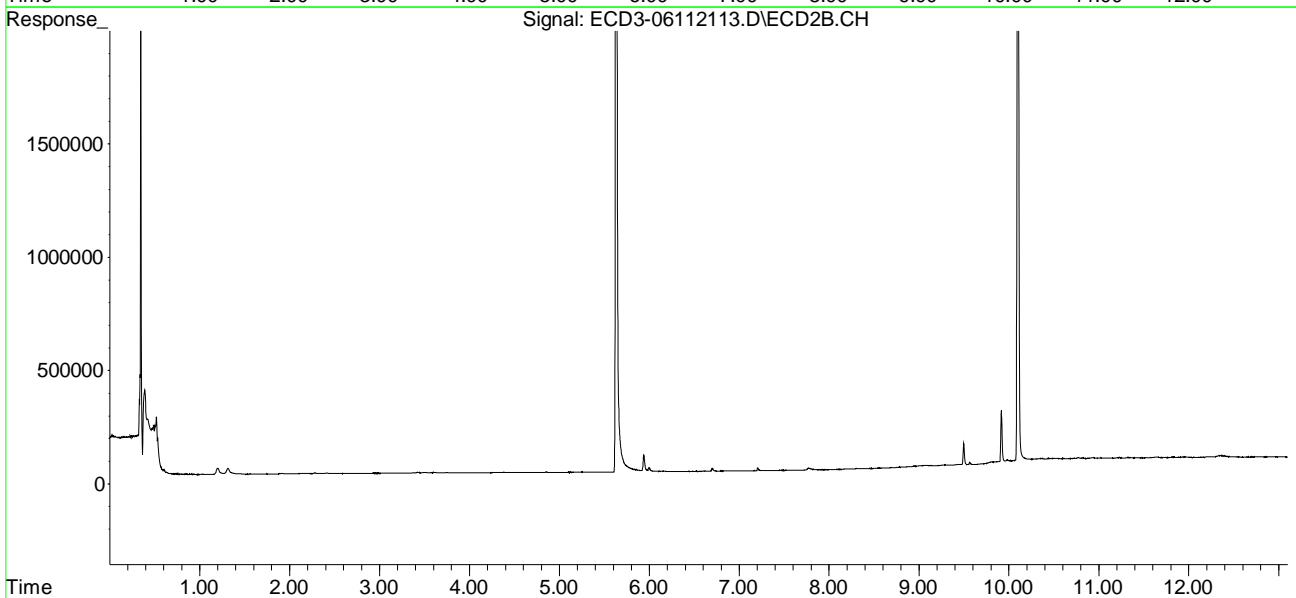
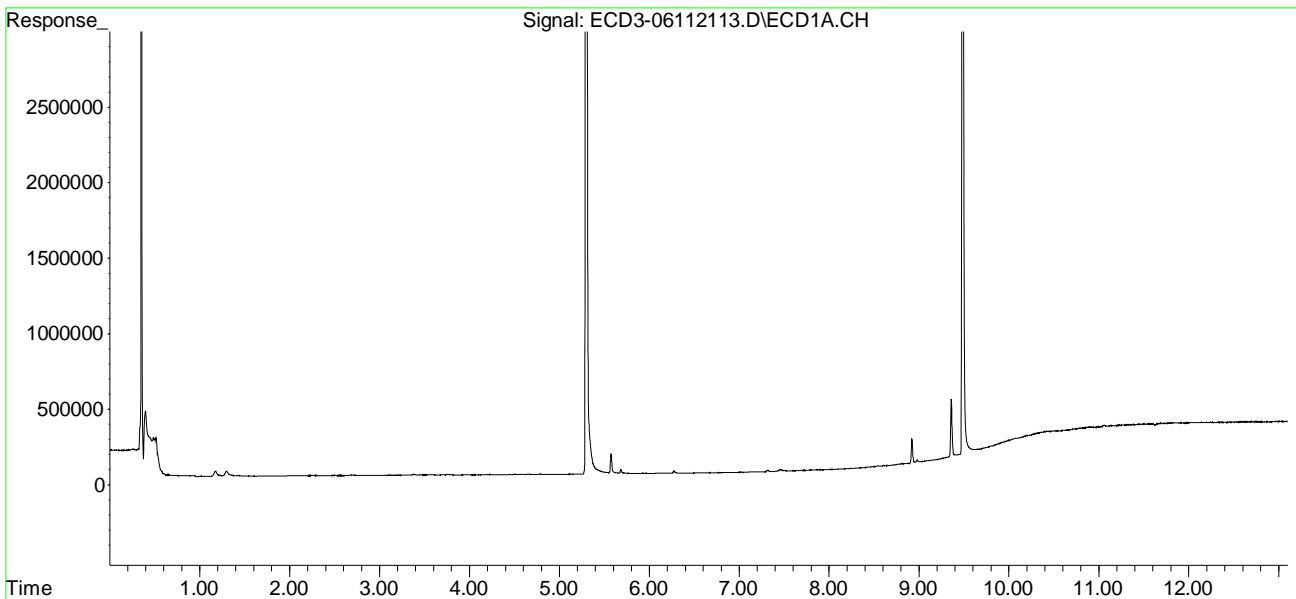
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.541	0.000	3798	0	BelowCal	N.D.	
32)	Chlordane...	7.315	7.771f	9313	7011	0.425	0.511	
33)	Chlordane...	7.448f	0.000	8226	0	0.371	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.448f	0.000	8226	0	12.402	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	8.475f	0.000	1443	0	3.493	N.D.	#
41)	Toxaphene...	8.541f	0.000	3798	0	3.541	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-06\1F11025\
Data File : ECD3-06112113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2021 14:50
Operator : MJB
Sample : 1F11025-CCB2
Misc : A21F130
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: Jun 11 17:31:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513RT3.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochlorine Pesticides by EPA 8081B
Calibration Data**

Sequence 1E13026 (Cal ID A1E1407) DUALECD3



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **1E13026**

Instrument: **DUALECD3**

Date: **05/13/21 06:29**

Calibration: **A1E1407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E13026-BKD1	Water	QC	QC				A21C007
2	1E13026-ICB1	Water	QC	QC				A21E029
3	1E13026-CAL1	Water	QC	QC				A21E230
4	1E13026-CAL2	Water	QC	QC				A21E231
5	1E13026-CAL3	Water	QC	QC				A21B419
6	1E13026-CAL4	Water	QC	QC				A21B420
7	1E13026-CAL5	Water	QC	QC				A21B421
8	1E13026-CAL6	Water	QC	QC				A21B422
9	1E13026-CAL7	Water	QC	QC				A21B423
10	1E13026-CAL8	Water	QC	QC				A21B424
11	1E13026-CAL9	Water	QC	QC				A21B418
12	1E13026-IBL1	Water	QC	QC				
13	1E13026-ICV1	Water	QC	QC				A21E238
14	1E13026-CALA	Water	QC	QC				A21E233
15	1E13026-CALB	Water	QC	QC				A21C326
16	1E13026-CALC	Water	QC	QC				A21C327
17	1E13026-CALD	Water	QC	QC				A21C328
18	1E13026-CALE	Water	QC	QC				A21C329
19	1E13026-CALF	Water	QC	QC				A21C330
20	1E13026-CALG	Water	QC	QC				A21C331
21	1E13026-CALH	Water	QC	QC				A21C332
22	1E13026-CALI	Water	QC	QC				A21C325
23	1E13026-IBL2	Water	QC	QC				
24	1E13026-ICV2	Water	QC	QC				A21C333
25	1E13026-CALJ	Water	QC	QC				A21E234
26	1E13026-CALK	Water	QC	QC				A20L139
27	1E13026-CALL	Water	QC	QC				A20L140
28	1E13026-CALM	Water	QC	QC				A20L141
29	1E13026-CALN	Water	QC	QC				A20L142
30	1E13026-CALO	Water	QC	QC				A20L143
31	1E13026-CALP	Water	QC	QC				A20L138
32	1E13026-IBL3	Water	QC	QC				
33	1E13026-ICV3	Water	QC	QC				A20L144
34	1E13026-CALQ	Water	QC	QC				A21E235
35	1E13026-CALR	Water	QC	QC				A20K260
36	1E13026-CALS	Water	QC	QC				A20K261
37	1E13026-CALT	Water	QC	QC				A20K262
38	1E13026-CALU	Water	QC	QC				A20K263
39	1E13026-CALV	Water	QC	QC				A20K264
40	1E13026-CALW	Water	QC	QC				A20K259
41	1E13026-IBL4	Water	QC	QC				
42	1E13026-ICV4	Water	QC	QC				A20K265

Sequence: 1E13026

Instrument: DUALECD3

Date: 05/13/21 06:29

Calibration: A1E1407

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
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Standard	Description:	Expires:
A20K259	8081 Toxaphene 2000 ppb Calibration (Level 6)	5/16/2021
A20K260	8081 Toxaphene 50 ppb Calibration (Level 1)	5/16/2021
A20K261	8081 Toxaphene 100 ppb Calibration (Level 2)	5/16/2021
A20K262	8081 Toxaphene 200 ppb Calibration (Level 3)	5/16/2021
A20K263	8081 Toxaphene 500 ppb Calibration (Level 4)	5/16/2021
A20K264	8081 Toxaphene 1000 ppb Calibration (Level 5)	5/16/2021
A20K265	8081 Toxaphene 500 ppb ICV	5/16/2021
A20L138	8081 Chlordane 2000 ppb Calibration (Level 6)	6/8/2021
A20L139	8081 Chlordane 50 ppb Calibration (Level 1)	6/8/2021
A20L140	8081 Chlordane 100 ppb Calibration (Level 2)	6/8/2021
A20L141	8081 Chlordane 200 ppb Calibration (Level 3)	6/8/2021
A20L142	8081 Chlordane 500 ppb Calibration (Level 4)	6/8/2021
A20L143	8081 Chlordane 1000 ppb Calibration (Level 5)	6/8/2021
A20L144	8081 Chlordane 500 ppb ICV	6/8/2021
A21B418	8081 Mix ABPesticide 200 ppb Calibration (Level 8)	8/22/2021
A21B419	8081 Mix ABPesticide 2 ppb Calibration (Level 2)	8/22/2021
A21B420	8081 Mix ABPesticide 5 ppb Calibration (Level 3)	8/22/2021
A21B421	8081 Mix ABPesticide 10 ppb Calibration (Level 4)	8/22/2021
A21B422	8081 Mix ABPesticide 25 ppb Calibration (Level 5)	8/22/2021
A21B423	8081 Mix ABPesticide 50 ppb Calibration (Level 6)	8/22/2021
A21B424	8081 Mix ABPesticide 100 ppb Calibration (Level 7)	8/22/2021
A21C007	8081 Breakdown Check	5/17/2021
A21C325	8081 9-42 Pest 200 ppb Calibration (Level 8)	9/25/2021
A21C326	8081 9-42 Pest 1 ppb Calibration (Level 1)	9/25/2021
A21C327	8081 9-42 Pest 2 ppb Calibration (Level 2)	9/25/2021
A21C328	8081 9-42 Pest 5 ppb Calibration (Level 3)	9/25/2021
A21C329	8081 9-42 Pest 10 ppb Calibration (Level 4)	9/25/2021
A21C330	8081 9-42 Pest 25 ppb Calibration (Level 5)	9/25/2021
A21C331	8081 9-42 Pest 50 ppb Calibration (Level 6)	9/25/2021
A21C332	8081 9-42 Pest 100 ppb Calibration (Level 7)	9/25/2021
A21C333	8081 9-42 Pesticide ICV @ 50ppb	9/25/2021
A21E029	8082 Instrument Blank	10/22/2021
A21E230	8081 Mix AB Pesticide 0.5 ppb Calibration	8/22/2021
A21E231	8081 Mix AB Pesticide 1 ppb Calibration	8/22/2021
A21E233	8081 9-42 Pest 0.5 ppb Calibration	9/25/2021
A21E234	8081 Chlordane 10 ppb Calibration	6/8/2021
A21E235	8081 Toxaphene 10 ppb Calibration	5/16/2021
A21E238	8081 Mix AB Pesticide ICV @ 50ppb	10/22/2021

Data Entered By/Date: MJB 5/14/21

Comments: ICAL

Data Reviewed By/Date: MKZ 5/18/2021

5/14/2021 4:31:05PM

Calibration Status Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_210513.M
 Title : Instrument: DualECD3
 Last Update : Fri May 14 12:22:43 2021
 Response Via : Initial Calibration

MJB 5/14/21

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132115.D
2	2	50	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132150.D
3	3	100	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132151.D
4	4	200	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132152.D
5	5	500	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132153.D
6	6	1000	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132154.D
7	7	2000	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132155.D
8	8	-1	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132136.D
9	9	-1	0	C:\msdchem\3\data\2021-05\1E13026\ECD3-05132137.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	May 14 12:22 2021	May 14 10:56 2021	13 May 2021 13:34
2	2	May 14 11:37 2021	May 14 11:19 2021	13 May 2021 23:43
3	3	May 14 11:37 2021	May 14 11:20 2021	14 May 2021 0:00
4	4	May 14 11:37 2021	May 14 11:20 2021	14 May 2021 0:17
5	5	May 14 11:37 2021	May 14 11:17 2021	14 May 2021 0:34
6	6	May 14 11:37 2021	May 14 11:21 2021	14 May 2021 0:51
7	7	May 14 11:38 2021	May 14 11:22 2021	14 May 2021 1:09
8	8	May 14 11:35 2021	May 14 11:08 2021	13 May 2021 19:39
9	9	May 14 11:36 2021	May 14 11:10 2021	13 May 2021 19:57

ECD3_QUANTPEST_210513.M Fri May 14 15:06:08 2021

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_210513.M
 Title : Instrument: DualECD3
 Last Update : Fri May 14 12:22:43 2021
 Response Via : Initial Calibration

MJB 5/14/21

Calibration Files

1 =ECD3-05132115.D 2 =ECD3-05132150.D 3 =ECD3-05132151.D 4 =ECD3-05132152.D
 5 =ECD3-05132153.D 6 =ECD3-05132154.D 7 =ECD3-05132155.D 8 =ECD3-05132136.D
 9 =ECD3-05132137.D

Compound		1	2	3	4	5	6	7	8	9	Avg	%RSD
1) S	TCMX (S)	1.982	1.829	1.800	1.658	1.682	1.616	1.639	1.694	1.703	1.734	E5 6.73
2)	a-BHC	2.358	2.320	2.337	2.333	2.353	2.262	2.333	2.457	2.490	2.360	E5 2.98
3)	g-BHC	2.101	1.997	2.009	2.011	1.995	1.918	1.999	2.139	2.137	2.034	E5 3.67
4)	b-BHC	1.021	0.974	0.943	0.897	0.867	0.828	0.855	0.875	0.892	0.906	E5 6.83
5)	Heptachlor	2.219	1.900	1.928	1.911	1.894	1.727	1.741	1.944	1.760	1.892	E5 7.90
6)	d-BHC	1.801	1.732	1.805	1.766	1.836	1.773	1.851	1.991	2.064	1.846	E5 5.97
7)	Aldrin	2.273	2.200	2.135	2.030	2.114	2.016	2.077	2.109	2.144	2.122	E5 3.79
8)	Heptachlor Exp...	2.174	1.946	1.887	1.814	1.805	1.694	1.737	1.785	1.759	1.845	E5 7.86
9)	trans-Chlordane	2.112	1.985	1.968	1.869	1.871	1.798	1.853	1.916	1.970	1.927	E5 4.85
10)	cis-Chlordane	2.582	2.171	1.986	1.850	1.833	1.736	1.782	1.861	1.861	1.963	E5 13.50
11)	Endosulfan I	1.946	1.757	1.752	1.683	1.666	1.595	1.634	1.712	1.689	1.715	E5 5.89
12)	4,4'-DDE	2.070	1.916	1.858	1.816	1.846	1.790	1.894	1.950	1.973	1.901	E5 4.59
13)	Dieldrin	2.117	1.942	1.894	1.880	1.851	1.806	1.858	1.929	1.953	1.914	E5 4.68
14)	Endrin	1.581	1.430	1.485	1.467	1.450	1.342	1.372	1.544	1.390	1.451	E5 5.41
15)	4,4'-DDD	1.502	1.375	1.402	1.393	1.381	1.365	1.426	1.550	1.603	1.444	E5 5.98
16)	Endosulfan II	1.635	1.464	1.460	1.400	1.428	1.337	1.392	1.490	1.479	1.454	E5 5.74
17)	4,4'-DDT	1.237	1.091	1.113	1.108	1.108	1.017	1.060	1.293	1.169	1.133	E5 7.62
18)	Endrin Aldehyde	1.779	1.678	1.677	1.199	1.136	1.022	1.055	1.094	1.190	1.314	E5 23.17
19)	Endosulfan Sul...	1.522	1.366	1.396	1.306	1.274	1.220	1.244	1.350	1.362	1.338	E5 6.83
20)	Methoxychlor	6.346	5.741	6.076	5.672	5.547	4.918	4.952	6.352	5.539	5.682	E4 9.24
21)	Endrin Ketone	1.636	1.498	1.496	1.470	1.424	1.360	1.382	1.564	1.581	1.490	E5 6.20
22) S	DCBP (S)		1.568	1.446	1.291	1.254	1.177	1.200	1.250	1.266	1.307	E5 10.17
23)	Hexachlorobuta...	2.298	2.144	1.956	1.731	1.807	1.713	1.619	1.481	1.662	1.823	E5 14.41
24)	Hexachlorobenzene	2.234	2.157	1.836	1.689	1.697	1.654	1.638	1.714	1.773	1.821	E5 12.16
25)	Oxychlordane	2.533	2.365	1.673	1.450	1.592	1.472	1.473	1.480	1.518	1.728	E5 24.11
26)	2,4'-DDE	1.825	1.788	1.282	1.189	1.206	1.174	1.155	1.188	1.209	1.335	E5 20.21
27)	trans-Nonachlor	2.866	2.722	1.919	1.729	1.839	1.760	1.707	1.775	1.849	2.018	E5 22.10

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Method Path : C:\msdchem\3\METHODS\
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28)	2,4'-DDD	1.627	1.531	1.106	0.979	1.051	0.993	1.010	1.013	1.084	1.155	E5	21.22
29)	2,4'-DDT	1.477	1.285	0.899	0.707	0.934	0.844	0.879	0.892	0.941	0.984	E5	24.38
30)	cis-Nonachlor	2.944	2.774	1.968	1.783	1.918	1.810	1.822	1.876	1.923	2.091	E5	21.12
31)	Mirex	2.155	1.940	1.342	1.112	1.168	1.075	1.069	1.099	1.141	1.345	E5	30.52
32)	Chlordane (1)	2.335	2.080	2.033	2.097	2.201	2.307	2.269			2.189	E4	5.48
33)	Chlordane (2)	2.409	2.127	2.056	2.137	2.188	2.296	2.293			2.215	E4	5.53
34)	Chlordane (3)	6.117	5.211	5.012	5.454	5.507	6.115	6.469			5.698	E3	9.47
35)	Chlordane - AVE										0.000		-1.00
36)	Toxaphene (1)	6.278	7.520	7.980	9.314	9.099	8.926	9.258			8.340	E2	13.64
37)	Toxaphene (2)	1.660	1.762	1.676	1.860	1.821	1.750	1.840			1.767	E3	4.45
38)	Toxaphene (3)	2.792	3.125	2.876	3.441	3.411	3.351	3.751			3.250	E3	10.42
39)	Toxaphene (4)	4.436	3.416	2.953	3.566	3.509	3.435	3.886			3.600	E3	12.78
40)	Toxaphene (5)	1.622	2.228	2.009	2.490	2.476	2.465	2.965			2.322	E3	18.29
41)	Toxaphene (6)	2.143	2.732	2.380	3.004	2.947	2.962	3.443			2.802	E3	15.39
42)	Toxaphene - AVE										0.000		-1.00

Signal #2 Calibration Files

1	=ECD3-05132115.D	2	=ECD3-05132150.D	3	=ECD3-05132151.D
4	=ECD3-05132152.D	5	=ECD3-05132153.D	6	=ECD3-05132154.D

Compound	1	2	3	4	5	6	Avg	%RSD					
44) S	TCMX (S) #2	1.179	1.075	1.034	0.977	0.986	0.967	0.987	1.000	1.006	1.024	E5	6.54
45)	a-BHC #2	1.510	1.427	1.421	1.425	1.473	1.414	1.436	1.467	1.422	1.444	E5	2.24
46)	g-BHC #2	1.362	1.238	1.252	1.223	1.243	1.174	1.208	1.267	1.233	1.244	E5	4.15
47)	b-BHC #2	6.484	5.968	5.857	5.649	5.412	5.049	5.211	5.410	5.486	5.614	E4	7.77
48)	Heptachlor #2	1.323	1.137	1.169	1.127	1.136	1.050	1.061	1.168	1.038	1.134	E5	7.62
49)	d-BHC #2	1.073	1.027	1.051	1.056	1.128	1.093	1.149	1.222	1.180	1.109	E5	5.91
50)	Aldrin #2	1.338	1.277	1.280	1.217	1.270	1.210	1.241	1.239	1.233	1.256	E5	3.16
51)	Heptachlor Exp...	1.277	1.150	1.100	1.082	1.054	1.016	1.039	1.094	1.039	1.095	E5	7.27
52)	trans-Chlordan...	1.316	1.166	1.113	1.093	1.121	1.049	1.123	1.118	1.080	1.131	E5	6.77
53)	cis-Chlordane #2	1.306	1.182	1.104	1.075	1.051	1.029	1.046	1.060	1.042	1.099	E5	8.19
54)	Endosulfan I #2	1.142	1.011	0.996	0.988	0.970	0.952	0.986	0.991	0.987	1.002	E5	5.48
55)	4,4'-DDE #2	1.199	1.096	1.106	1.074	1.065	1.073	1.112	1.111	1.095	1.103	E5	3.60
56)	Dieldrin #2	1.209	1.128	1.105	1.090	1.086	1.067	1.091	1.123	1.109	1.112	E5	3.70
57)	Endrin #2	9.296	8.266	8.530	8.371	8.459	7.790	8.040	8.877	7.995	8.403	E4	5.54

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58)	4,4'-DDD #2	8.978	7.925	8.260	8.223	8.198	8.044	8.473	9.141	8.834	8.453	E4	5.12
59)	Endosulfan II #2	9.679	8.867	8.918	8.250	8.400	8.322	8.740	8.922	9.081	8.798	E4	5.05
60)	4,4'-DDT #2	6.895	6.056	6.267	6.030	6.223	5.807	5.953	7.492	6.605	6.370	E4	8.47
61)	Endrin Aldehyd...	1.102	1.012	1.013	0.710	0.689	0.651	0.658	0.683	0.723	0.805	E5	22.55
62)	Endosulfan Sul...	8.037	7.196	7.138	6.950	6.861	6.526	6.940	7.663	7.615	7.214	E4	6.55
63)	Methoxychlor #2	3.929	3.522	3.863	3.558	3.409	3.056	2.995	3.874	3.407	3.512	E4	9.70
64)	Endrin Ketone #2		8.362	8.473	8.172	7.840	7.586	7.955	8.776	8.753	8.240	E4	5.22
65) S	DCBP (S) #2	9.156	8.242	7.635	6.948	6.504	6.394	6.274	6.527	6.394	7.119	E4	14.22
66)	Hexachlorobuta...	1.717	1.621	1.427	1.284	1.287	1.219	1.154	1.037	1.084	1.315	E5	17.74
67)	Hexachlorobenz...	1.336	1.240	1.065	0.989	1.022	0.984	0.994	1.027	0.994	1.072	E5	11.87
68)	Oxychlorthane #2	1.525	1.396	0.986	0.869	0.938	0.881	0.891	0.865	0.889	1.027	E5	24.44
69)	2,4'-DDE #2	1.162	1.081	0.785	0.728	0.730	0.706	0.710	0.722	0.726	0.817	E5	21.49
70)	trans-Nonachlo...	1.806	1.660	1.171	1.038	1.078	1.039	1.032	1.027	1.041	1.210	E5	24.95
71)	2,4'-DDD #2	1.045	0.956	0.675	0.582	0.626	0.612	0.611	0.621	0.641	0.708	E5	23.93
72)	2,4'-DDT #2	8.537	7.476	5.259	4.147	5.428	5.046	5.175	5.373	5.494	5.770	E4	23.49
73)	cis-Nonachlor #2	1.794	1.636	1.155	1.040	1.136	1.072	1.060	1.072	1.063	1.225	E5	23.06
74)	Mirex #2	1.276	1.129	0.777	0.636	0.672	0.609	0.610	0.612	0.629	0.772	E5	32.66
75)	Chlordane (1) #2	1.452	1.333	1.297	1.355	1.375	1.442	1.344			1.371	E4	4.15
76)	Chlordane (2) #2	1.316	1.157	1.087	1.151	1.191	1.217	1.144			1.180	E4	6.12
77)	Chlordane (3) #2	3.816	3.125	2.975	3.106	3.217	3.519	3.655			3.345	E3	9.51
78)	Chlordane - AV...										0.000		-1.00
79)	Toxaphene (1) #2	1.058	1.193	1.166	1.254	1.190	1.177	1.231			1.181	E3	5.28
80)	Toxaphene (2) #2	0.902	1.267	1.200	1.366	1.345	1.327	1.477			1.269	E3	14.45
81)	Toxaphene (3) #2	1.523	1.828	1.664	1.936	1.871	1.849	2.103			1.825	E3	10.24
82)	Toxaphene (4) #2	5.189	3.395	2.834	3.282	3.234	3.131	3.473			3.505	E3	21.98
83)	Toxaphene (5) #2	1.812	1.928	1.706	1.951	1.962	1.924	2.164			1.921	E3	7.36
84)	Toxaphene (6) #2	1.522	1.711	1.504	1.868	1.811	1.826	2.136			1.768	E3	12.30
85)	Toxaphene - AV...										0.000		-1.00

(#) = Out of Range

Compound List Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_210513.M
 Title : Instrument: DualECD3
 Last Update : Fri May 14 12:22:43 2021
 Response Via : Initial Calibration

MJB 5/14/21

Total Cpnds : 85

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.479	1.000	A	H	R
2	a-BHC	6.027	1.000	A	H	R
3	g-BHC	6.312	1.000	A	H	R
4	b-BHC	6.390	1.000	A	H	R
5	Heptachlor	6.709	1.000	A	H	R
6	d-BHC	6.541	1.000	A	H	R
7	Aldrin	6.949	1.000	A	H	R
8	Heptachlor Expoxide	7.417	1.000	A	H	R
9	trans-Chlordane	7.509	1.000	A	H	R
10	cis-Chlordane	7.606	1.000	Q	H	R
11	Endosulfan I	7.708	1.000	A	H	R
12	4,4'-DDE	7.659	1.000	A	H	R
13	Dieldrin	7.881	1.000	A	H	R
14	Endrin	8.049	1.000	A	H	R
15	4,4'-DDD	8.086	1.000	A	H	R
16	Endosulfan II	8.209	1.000	A	H	R
17	4,4'-DDT	8.282	1.000	A	H	R
18	Endrin Aldehyde	8.504	1.000	Q	H	R
19	Endosulfan Sulfate	8.807	1.000	A	H	R
20	Methoxychlor	8.613	1.000	A	H	R
21	Endrin Ketone	9.006	1.000	A	H	R
22	S DCBP (S)	9.677	1.000	A	H	R
23	Hexachlorobutadiene	3.280	1.000	Q	H	R
24	Hexachlorobenzene	5.864	1.000	Q	H	R
25	Oxychlorane	7.341	1.000	Q	H	R
26	2,4'-DDE	7.409	1.000	Q	H	R
27	trans-Nonachlor	7.594	1.000	Q	H	R
28	2,4'-DDD	7.786	1.000	Q	H	R
29	2,4'-DDT	7.966	1.000	Q	H	R
30	cis-Nonachlor	8.070	1.000	Q	H	R
31	Mirex	8.738	1.000	Q	H	R
32	Chlordane (1)	7.510	1.000	A	H	R
33	Chlordane (2)	7.605	1.000	A	H	R
34	Chlordane (3)	8.160	1.000	A	H	R
35	Chlordane - AVE	3.807	1.000	A	H	R
36	Toxaphene (1)	7.589	1.000	Q	H	R
37	Toxaphene (2)	7.884	1.000	A	H	R
38	Toxaphene (3)	8.200	1.000	Q	H	R
39	Toxaphene (4)	8.438	1.000	Q	H	R
40	Toxaphene (5)	8.669	1.000	Q	H	R
41	Toxaphene (6)	8.739	1.000	Q	H	R
42	Toxaphene - AVE	3.809	1.000	A	H	R
43	Signal #2	0.243	1.000	A	H	R
44	S TCMX (S) #2	5.827	1.000	A	H	R
45	a-BHC #2	6.421	1.000	A	H	R
46	g-BHC #2	6.735	1.000	A	H	R
47	b-BHC #2	6.801	1.000	A	H	R
48	Heptachlor #2	7.108	1.000	A	H	R
49	d-BHC #2	7.049	1.000	A	H	R
50	Aldrin #2	7.370	1.000	A	H	R
51	Heptachlor Expoxide #2	7.804	1.000	A	H	R
52	trans-Chlordane #2	7.944	1.000	A	H	R
53	cis-Chlordane #2	8.051	1.000	A	H	R
54	Endosulfan I #2	8.098	1.000	A	H	R
55	4,4'-DDE #2	8.156	1.000	A	H	R
56	Dieldrin #2	8.297	1.000	A	H	R

57	Endrin #2	8.519	1.000	A	H	R
58	4,4'-DDD #2	8.568	1.000	A	H	R
59	Endosulfan II #2	8.665	1.000	A	H	R
60	4,4'-DDT #2	8.793	1.000	A	H	R
61	Endrin Aldehyde #2	8.900	1.000	• Q	H	R
62	Endosulfan Sulfate #2	9.094	1.000	A	H	R
63	Methoxychlor #2	9.258	1.000	A	H	R
64	Endrin Ketone #2	9.480	1.000	A	H	R
65	S DCBP (S) #2	10.319	1.000	Q	H	R
66	Hexachlorobutadiene #2	3.546	1.000	• Q	H	R
67	Hexachlorobenzene #2	6.290	1.000	• Q	H	R
68	Oxychlorane #2	7.736	1.000	• Q	H	R
69	2,4'-DDE #2	7.932	1.000	• Q	H	R
70	trans-Nonachlor #2	8.011	1.000	• Q	H	R
71	2,4'-DDD #2	8.303	1.000	• Q	H	R
72	2,4'-DDT #2	8.524	1.000	• Q	H	R
73	cis-Nonachlor #2	8.568	1.000	• Q	H	R
74	Mirex #2	9.471	1.000	Q	H	R
75	Chlordane (1) #2	7.943	1.000	A	H	R
76	Chlordane (2) #2	8.050	1.000	A	H	R
77	Chlordane (3) #2	8.701	1.000	A	H	R
78	Chlordane - AVE #2	3.777	1.000	A	H	R
79	Toxaphene (1) #2	8.273	1.000	A	H	R
80	Toxaphene (2) #2	8.621	1.000	• Q	H	R
81	Toxaphene (3) #2	8.653	1.000	• Q	H	R
82	Toxaphene (4) #2	8.720	1.000	• Q	H	R
83	Toxaphene (5) #2	8.899	1.000	A	H	R
84	Toxaphene (6) #2	9.268	1.000	• Q	H	R
85	Toxaphene - AVE #2	3.777	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

ECD3_QUANTPEST_210513.M Fri May 14 15:14:19 2021

Calibration Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_210513.M
 Title : Instrument: DualECD3
 Last Update : Fri May 14 12:22:43 2021
 Response Via : Initial Calibration

MJB 5/14/21

Calibration Files

1 =ECD3-05132115 2 =ECD3-05132150 3 =ECD3-05132151 4 =ECD3-05132152 5 =ECD3-
 6 =ECD3-05132154 7 =ECD3-05132155 8 =ECD3-05132136 9 =ECD3-05132137

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	1.7338 e5	-----	0.0673
2)	a-BHC	Avg	-----	2.3604 e5	-----	0.0298
3)	g-BHC	Avg	-----	2.0341 e5	-----	0.0367
4)	b-BHC	Avg	-----	9.0580 e4	-----	0.0683
5)	Heptachlor	Avg	-----	1.8915 e5	-----	0.0790
6)	d-BHC	Avg	-----	1.8464 e5	-----	0.0597
7)	Aldrin	Avg	-----	2.1221 e5	-----	0.0379
8)	Heptachlor Expoxide	Avg	-----	1.8447 e5	-----	0.0786
9)	trans-Chlordane	Avg	-----	1.9269 e5	-----	0.0485
10)	cis-Chlordane	Quad	4.1210 e4	1.7613 e5	5.4731 e1	0.9997
11)	Endosulfan I	Avg	-----	1.7150 e5	-----	0.0589
12)	4,4'-DDE	Avg	-----	1.9015 e5	-----	0.0459
13)	Dieldrin	Avg	-----	1.9145 e5	-----	0.0468
14)	Endrin	Avg	-----	1.4512 e5	-----	0.0541
15)	4,4'-DDD	Avg	-----	1.4441 e5	-----	0.0598
16)	Endosulfan II	Avg	-----	1.4540 e5	-----	0.0574
17)	4,4'-DDT	Avg	-----	1.1331 e5	-----	0.0762
18)	Endrin Aldehyde	Quad	3.8032 e4	1.1594 e5	-2.0082 e1	0.9771
19)	Endosulfan Sulfate	Avg	-----	1.3377 e5	-----	0.0683
20)	Methoxychlor	Avg	-----	5.6825 e4	-----	0.0924
21)	Endrin Ketone	Avg	-----	1.4901 e5	-----	0.0620
22) S	DCBP (S)	Avg	-----	1.3066 e5	-----	0.1017
23)	Hexachlorobutadiene	Quad	3.2547 e4	1.7162 e5	-7.5303 e1	0.9961
24)	Hexachlorobenzene	Quad	3.2955 e4	1.6580 e5	4.9092 e1	0.9977
25)	Oxychlordane	Quad	5.9561 e4	1.4626 e5	2.1378 e1	0.9898
26)	2,4'-DDE	Quad	3.8018 e4	1.1637 e5	1.7953 e1	0.9909
27)	trans-Nonachlor	Quad	6.4596 e4	1.7148 e5	5.8110 e1	0.9904
28)	2,4'-DDD	Quad	3.6172 e4	9.7864 e4	4.7041 e1	0.9918
29)	2,4'-DDT	Quad	3.5918 e4	7.9381 e4	8.1872 e1	0.9862
30)	cis-Nonachlor	Quad	6.4471 e4	1.7824 e5	7.0532 e1	0.9915
31)	Mirex	Quad	5.9641 e4	1.0780 e5	2.2234 e1	0.9872
32)	Chlordane (1)	Avg	-----	2.1888 e4	-----	0.0548
33)	Chlordane (2)	Avg	-----	2.2154 e4	-----	0.0553
34)	Chlordane (3)	Avg	-----	5.6980 e3	-----	0.0947
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Quad	-2.4749 e3	8.6234 e2	0.0373	0.9969
37)	Toxaphene (2)	Avg	-----	1.7671 e3	-----	0.0445
38)	Toxaphene (3)	Quad	-3.9352 e3	3.1710 e3	0.2839	0.9974
39)	Toxaphene (4)	Quad	1.2654 e4	3.1470 e3	0.3676	0.9961
40)	Toxaphene (5)	Quad	-6.4856 e3	2.2688 e3	0.3296	0.9966
41)	Toxaphene (6)	Quad	-5.8619 e3	2.7269 e3	0.3458	0.9960
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	1.0236 e5	-----	0.0654
2)	a-BHC	Avg	-----	1.4438 e5	-----	0.0224
3)	g-BHC	Avg	-----	1.2444 e5	-----	0.0415
4)	b-BHC	Avg	-----	5.6139 e4	-----	0.0777
5)	Heptachlor	Avg	-----	1.1343 e5	-----	0.0762
6)	d-BHC	Avg	-----	1.1087 e5	-----	0.0591
7)	Aldrin	Avg	-----	1.2562 e5	-----	0.0316

8)	Heptachlor Expoxide	Avg	-----	1.0947	e5	-----	0.0727		
9)	trans-Chlordane	Avg	-----	1.1311	e5	-----	0.0677		
10)	cis-Chlordane	Avg	-----	1.0993	e5	-----	0.0819		
11)	Endosulfan I	Avg	-----	1.0024	e5	-----	0.0548		
12)	4,4'-DDE	Avg	-----	1.1034	e5	-----	0.0360		
13)	Dieldrin	Avg	-----	1.1119	e5	-----	0.0370		
14)	Endrin	Avg	-----	8.4028	e4	-----	0.0554		
15)	4,4'-DDD	Avg	-----	8.4528	e4	-----	0.0512		
16)	Endosulfan II	Avg	-----	8.7978	e4	-----	0.0505		
17)	4,4'-DDT	Avg	-----	6.3697	e4	-----	0.0847		
18)	Endrin Aldehyde	Quad	2.3445	e4	7.0718	e4	-8.0118	0.9815	
19)	Endosulfan Sulfate	Avg	-----	7.2141	e4	-----	0.0655		
20)	Methoxychlor	Avg	-----	3.5124	e4	-----	0.0970		
21)	Endrin Ketone	Avg	-----	8.2397	e4	-----	0.0522		
22) S	DCBP (S)	Quad	1.4071	e4	6.5653	e4	-1.1859	e1	0.9984
23)	Hexachlorobutadiene	Quad	2.6547	e4	1.2502	e5	-1.1445	e2	0.9960
24)	Hexachlorobenzene	Quad	1.8646	e4	9.8848	e4	8.0351		0.9987
25)	Oxychlorane	Quad	3.5919	e4	8.6907	e4	6.7659		0.9910
26)	2,4'-DDE	Quad	2.5409	e4	7.0215	e4	1.1495	e1	0.9934
27)	trans-Nonachlor	Quad	4.3262	e4	1.0210	e5	6.7616		0.9911
28)	2,4'-DDD	Quad	2.5063	e4	5.8781	e4	2.7637	e1	0.9910
29)	2,4'-DDT	Quad	2.0205	e4	4.6923	e4	4.7632	e1	0.9864
30)	cis-Nonachlor	Quad	4.0475	e4	1.0466	e5	1.0601	e1	0.9917
31)	Mirex	Quad	3.6293	e4	6.1556	e4	0.8564		0.9868
32)	Chlordane (1)	Avg	-----	1.3711	e4	-----	0.0415		
33)	Chlordane (2)	Avg	-----	1.1804	e4	-----	0.0612		
34)	Chlordane (3)	Avg	-----	3.3447	e3	-----	0.0951		
35)	Chlordane - AVE	Avg	-----	-----	-----	-----	0.0000		
36)	Toxaphene (1)	Avg	-----	1.1814	e3	-----	0.0528		
37)	Toxaphene (2)	Quad	-4.0339	e3	1.3071	e3	0.0759		0.9985
38)	Toxaphene (3)	Quad	-2.8126	e3	1.8091	e3	0.1298		0.9977
39)	Toxaphene (4)	Quad	2.2731	e4	2.8988	e3	0.2841		0.9965
40)	Toxaphene (5)	Avg	-----	1.9210	e3	-----	0.0736		
41)	Toxaphene (6)	Quad	-1.6047	e3	1.6800	e3	0.2175		0.9963
42)	Toxaphene - AVE	Avg	-----	-----	-----	-----	0.0000		

ECD3_QUANTPEST_210513.M Fri May 14 15:14:38 2021

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

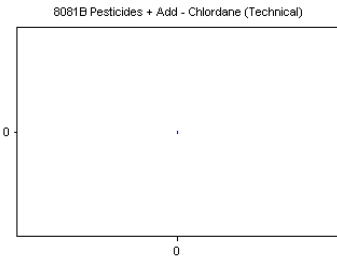
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

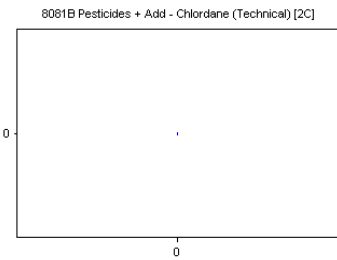


Standard	Concentration	Response	Response Factor	RT
4E13026-CALJ	40	0	0.000	0.00
4E13026-CALK	50	0	0.000	0.00
4E13026-CALL	100	0	0.000	0.00
4E13026-CALM	200	0	0.000	0.00
4E13026-CALN	500	0	0.000	0.00
4E13026-CALO	1000	0	0.000	0.00
4E13026-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

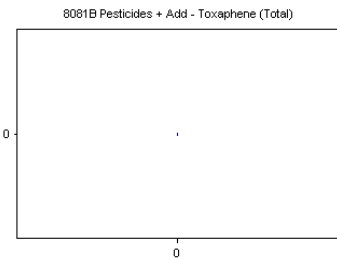


Standard	Concentration	Response	Response Factor	RT
4E13026-CALJ	40	0	0.000	0.00
4E13026-CALK	50	0	0.000	0.00
4E13026-CALL	100	0	0.000	0.00
4E13026-CALM	200	0	0.000	0.00
4E13026-CALN	500	0	0.000	0.00
4E13026-CALO	1000	0	0.000	0.00
4E13026-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

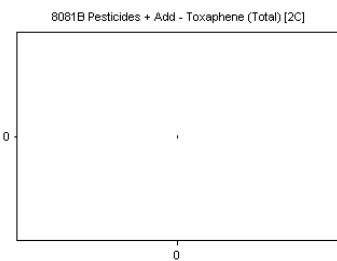


Standard	Concentration	Response	Response Factor	RT
4E13026-CALQ	40	0	0.000	0.00
4E13026-CALR	50	0	0.000	0.00
4E13026-CALS	100	0	0.000	0.00
4E13026-CALT	200	0	0.000	0.00
4E13026-CALU	500	0	0.000	0.00
4E13026-CALV	1000	0	0.000	0.00
4E13026-CALW	2000	0	0.000	0.00

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
4E13026-CALQ	40	0	0.000	0.00
4E13026-CALR	50	0	0.000	0.00
4E13026-CALS	100	0	0.000	0.00
4E13026-CALT	200	0	0.000	0.00
4E13026-CALU	500	0	0.000	0.00
4E13026-CALV	1000	0	0.000	0.00
4E13026-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: **A1E1407**

Instrument: **DUALECD3**

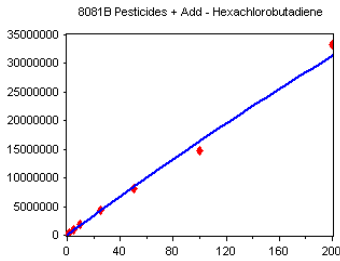
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Hexachlorobutadiene

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

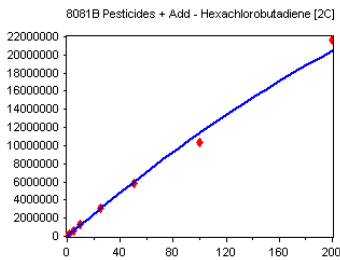


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	114904	229808.000	3.28
1E13026-CALB	1	214430	214430.000	3.28
1E13026-CALC	2	391212	195606.000	3.28
1E13026-CALD	5	865313	173062.600	3.28
1E13026-CALE	10	1807155	180715.500	3.28
1E13026-CALF	25	4282612	171304.500	3.28
1E13026-CALG	50	8094762	161895.200	3.28
1E13026-CALH	100	1.481053E+07	148105.300	3.28
1E13026-CALI	200	3.323585E+07	166179.300	3.28

AVE RF 182345.200 RF RSD 14.41 AVE RT 3.28

Hexachlorobutadiene [2C]

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

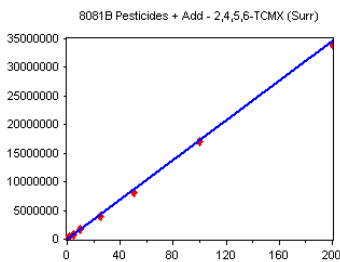


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	85857	171714.000	3.55
1E13026-CALB	1	162107	162107.000	3.55
1E13026-CALC	2	285400	142700.000	3.55
1E13026-CALD	5	641847	128369.400	3.55
1E13026-CALE	10	1287318	128731.800	3.55
1E13026-CALF	25	3046392	121855.700	3.55
1E13026-CALG	50	5769547	115390.900	3.55
1E13026-CALH	100	1.037418E+07	103741.800	3.55
1E13026-CALI	200	2.168827E+07	108441.400	3.55

AVE RF 131450.200 RF RSD 17.74 AVE RT 3.55

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

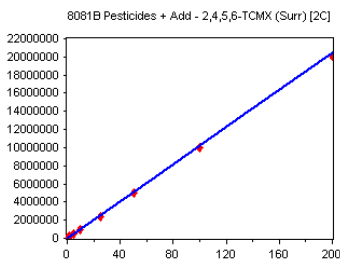


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	99116	198232.000	5.48
1E13026-CAL2	1	182894	182894.000	5.48
1E13026-CAL3	2	359964	179982.000	5.48
1E13026-CAL4	5	829089	165817.800	5.48
1E13026-CAL5	10	1681968	168196.800	5.48
1E13026-CAL6	25	4041058	161642.300	5.48
1E13026-CAL7	50	8197310	163946.200	5.48
1E13026-CAL8	100	1.693952E+07	169395.200	5.48
1E13026-CAL9	200	3.405694E+07	170284.700	5.48

AVE RF 173376.800 RF RSD 6.73 AVE RT 5.48

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	58960	117920.000	5.83
1E13026-CAL2	1	107474	107474.000	5.83
1E13026-CAL3	2	206831	103415.500	5.83
1E13026-CAL4	5	488662	97732.400	5.83
1E13026-CAL5	10	986281	98628.100	5.83
1E13026-CAL6	25	2418491	96739.640	5.83
1E13026-CAL7	50	4935558	98711.160	5.83
1E13026-CAL8	100	1.000194E+07	100019.400	5.83
1E13026-CAL9	200	2.012088E+07	100604.400	5.83

AVE RF 102360.500 RF RSD 6.54 AVE RT 5.83

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

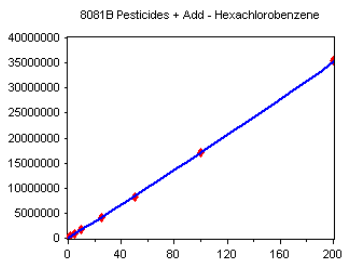
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Hexachlorobenzene

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

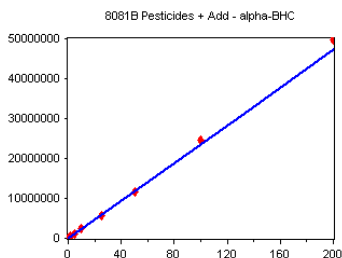


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	111719	223438.000	5.86
1E13026-CALB	1	215748	215748.000	5.86
1E13026-CALC	2	367166	183583.000	5.86
1E13026-CALD	5	844644	168928.800	5.86
1E13026-CALE	10	1696981	169698.100	5.86
1E13026-CALF	25	4135923	165436.900	5.86
1E13026-CALG	50	8188157	163763.100	5.86
1E13026-CALH	100	1.713616E+07	171361.600	5.87
1E13026-CALI	200	3.545798E+07	177289.900	5.87

AVE RF 182138.600 **RF RSD** 12.16 **AVE RT** 5.86

alpha-BHC

Curve Fit: **AVERAGE RF**

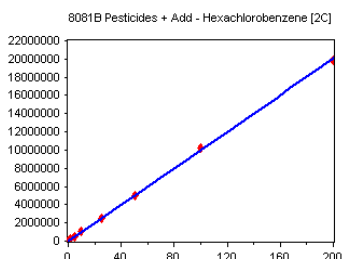


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	117914	235828.000	6.03
1E13026-CAL2	1	231988	231988.000	6.03
1E13026-CAL3	2	467427	233713.500	6.03
1E13026-CAL4	5	1166330	233266.000	6.03
1E13026-CAL5	10	2353113	235311.300	6.03
1E13026-CAL6	25	5654187	226167.500	6.03
1E13026-CAL7	50	1.16653E+07	233306.000	6.03
1E13026-CAL8	100	2.457346E+07	245734.600	6.03
1E13026-CAL9	200	4.980042E+07	249002.100	6.03

AVE RF 236035.200 **RF RSD** 2.98 **AVE RT** 6.03

Hexachlorobenzene [2C]

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

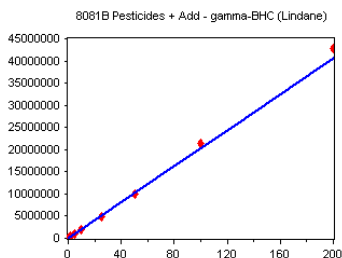


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	66822	133644.000	6.29
1E13026-CALB	1	123974	123974.000	6.29
1E13026-CALC	2	213035	106517.500	6.29
1E13026-CALD	5	494548	98909.600	6.29
1E13026-CALE	10	1022033	102203.300	6.29
1E13026-CALF	25	2458895	98355.800	6.29
1E13026-CALG	50	4968778	99375.560	6.29
1E13026-CALH	100	1.026855E+07	102685.500	6.29
1E13026-CALI	200	1.987569E+07	99378.450	6.29

AVE RF 107227.100 **RF RSD** 11.87 **AVE RT** 6.29

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	105048	210096.000	6.31
1E13026-CAL2	1	199668	199668.000	6.31
1E13026-CAL3	2	401880	200940.000	6.31
1E13026-CAL4	5	1005417	201083.400	6.31
1E13026-CAL5	10	1995433	199543.300	6.31
1E13026-CAL6	25	4795578	191823.100	6.31
1E13026-CAL7	50	9996866	199937.300	6.31
1E13026-CAL8	100	2.139188E+07	213918.800	6.31
1E13026-CAL9	200	4.273126E+07	213656.300	6.31

AVE RF 203407.400 **RF RSD** 3.67 **AVE RT** 6.31

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

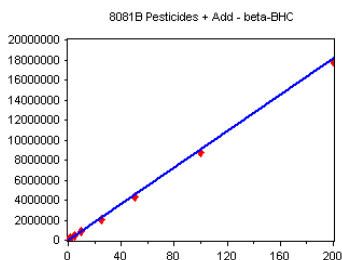
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

beta-BHC

Curve Fit: **AVERAGE RF**

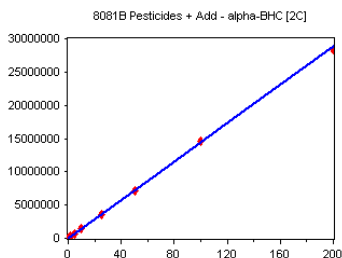


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	51029	102058.000	6.39
1E13026-CAL2	1	97446	97446.000	6.39
1E13026-CAL3	2	188604	94302.000	6.39
1E13026-CAL4	5	448601	89720.200	6.39
1E13026-CAL5	10	867133	86713.300	6.39
1E13026-CAL6	25	2069705	82788.200	6.39
1E13026-CAL7	50	4273590	85471.800	6.39
1E13026-CAL8	100	8750426	87504.260	6.39
1E13026-CAL9	200	1.78432E+07	89216.000	6.39

AVE RF 90579.970 **RF RSD** 6.83 **AVE RT** 6.39

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

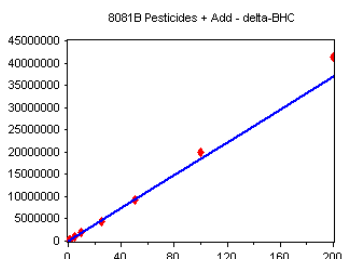


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	75478	150956.000	6.42
1E13026-CAL2	1	142686	142686.000	6.42
1E13026-CAL3	2	284112	142056.000	6.42
1E13026-CAL4	5	712280	142456.000	6.42
1E13026-CAL5	10	1473466	147346.600	6.42
1E13026-CAL6	25	3534499	141380.000	6.42
1E13026-CAL7	50	7181568	143631.400	6.42
1E13026-CAL8	100	1.466969E+07	146696.900	6.42
1E13026-CAL9	200	2.84377E+07	142188.500	6.42

AVE RF 144377.500 **RF RSD** 2.24 **AVE RT** 6.42

delta-BHC

Curve Fit: **AVERAGE RF**

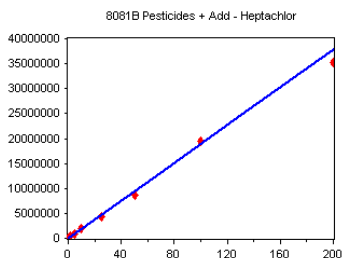


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	90041	180082.000	6.54
1E13026-CAL2	1	173191	173191.000	6.54
1E13026-CAL3	2	360927	180463.500	6.54
1E13026-CAL4	5	882762	17652.400	6.54
1E13026-CAL5	10	1835548	183554.800	6.54
1E13026-CAL6	25	4432720	177308.800	6.54
1E13026-CAL7	50	9255499	185110.000	6.54
1E13026-CAL8	100	1.990958E+07	199095.800	6.54
1E13026-CAL9	200	4.128023E+07	206401.200	6.54

AVE RF 184639.900 **RF RSD** 5.97 **AVE RT** 6.54

Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	110933	221866.000	6.71
1E13026-CAL2	1	189993	189993.000	6.71
1E13026-CAL3	2	385677	192838.500	6.71
1E13026-CAL4	5	955384	191076.800	6.71
1E13026-CAL5	10	1893588	189358.800	6.71
1E13026-CAL6	25	4317647	172705.900	6.71
1E13026-CAL7	50	8706022	174120.400	6.71
1E13026-CAL8	100	1.944063E+07	194406.300	6.71
1E13026-CAL9	200	3.519753E+07	175987.600	6.71

AVE RF 189150.400 **RF RSD** 7.90 **AVE RT** 6.71

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

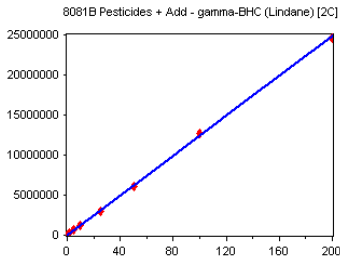
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

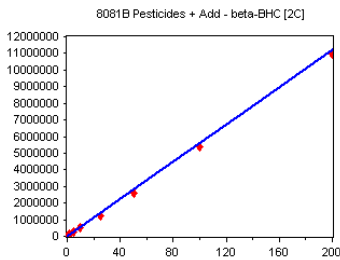


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	68106	136212.000	6.74
1E13026-CAL2	1	123751	123751.000	6.74
1E13026-CAL3	2	250459	125229.500	6.74
1E13026-CAL4	5	611412	122282.400	6.74
1E13026-CAL5	10	1242774	124277.400	6.74
1E13026-CAL6	25	2936034	117441.400	6.74
1E13026-CAL7	50	6040877	120817.500	6.74
1E13026-CAL8	100	1.266935E+07	126693.500	6.74
1E13026-CAL9	200	2.465611E+07	123280.500	6.74

AVE RF 124442.800 RF RSD 4.15 AVE RT 6.74

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

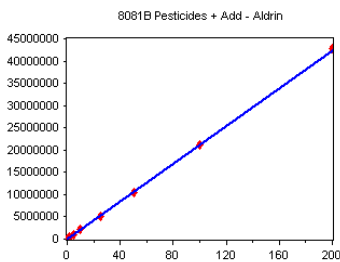


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	32418	64836.000	6.80
1E13026-CAL2	1	59679	59679.000	6.80
1E13026-CAL3	2	117134	58567.000	6.80
1E13026-CAL4	5	282430	56486.000	6.80
1E13026-CAL5	10	541194	54119.400	6.80
1E13026-CAL6	25	1262299	50491.960	6.80
1E13026-CAL7	50	2605637	52112.740	6.80
1E13026-CAL8	100	5410424	54104.240	6.80
1E13026-CAL9	200	1.097122E+07	54856.100	6.80

AVE RF 56139.160 RF RSD 7.77 AVE RT 6.80

Aldrin

Curve Fit: **AVERAGE RF**

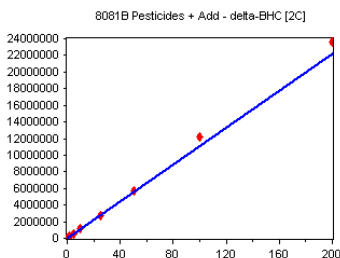


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	113662	227324.000	6.95
1E13026-CAL2	1	220043	220043.000	6.95
1E13026-CAL3	2	427082	213541.000	6.95
1E13026-CAL4	5	1015141	203028.200	6.95
1E13026-CAL5	10	2114259	211425.900	6.95
1E13026-CAL6	25	5038811	201552.400	6.95
1E13026-CAL7	50	1.038502E+07	207700.400	6.95
1E13026-CAL8	100	2.109497E+07	210949.700	6.95
1E13026-CAL9	200	4.287075E+07	214353.800	6.95

AVE RF 212213.200 RF RSD 3.79 AVE RT 6.95

delta-BHC [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	53648	107296.000	7.05
1E13026-CAL2	1	102662	102662.000	7.05
1E13026-CAL3	2	210189	105094.500	7.05
1E13026-CAL4	5	527943	105588.600	7.05
1E13026-CAL5	10	1127560	112756.000	7.05
1E13026-CAL6	25	2732087	109283.500	7.05
1E13026-CAL7	50	5746503	114930.100	7.05
1E13026-CAL8	100	1.222391E+07	122239.100	7.05
1E13026-CAL9	200	2.359205E+07	117960.300	7.05

AVE RF 110867.800 RF RSD 5.91 AVE RT 7.05

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

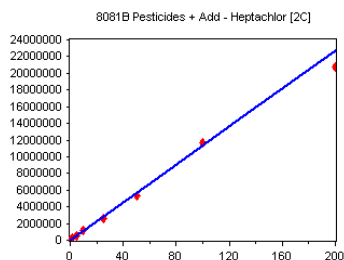
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

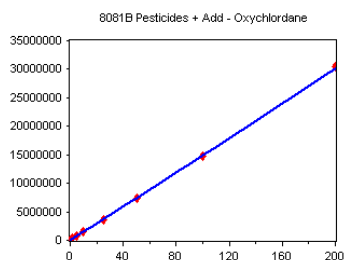


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	66141	132282.000	7.11
1E13026-CAL2	1	113723	113723.000	7.11
1E13026-CAL3	2	233865	116932.500	7.11
1E13026-CAL4	5	563621	112724.200	7.11
1E13026-CAL5	10	1135711	113571.100	7.11
1E13026-CAL6	25	2624520	104980.800	7.11
1E13026-CAL7	50	5303055	106061.100	7.11
1E13026-CAL8	100	1.167908E+07	116790.800	7.11
1E13026-CAL9	200	2.075762E+07	103788.100	7.11

AVE RF 113428.200 **RF RSD** 7.62 **AVE RT** 7.11

Oxychlordan

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

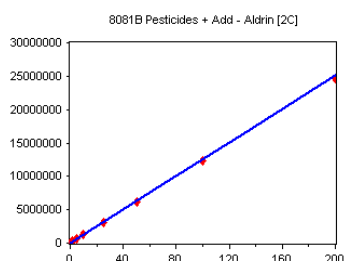


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	126670	253340.000	7.34
1E13026-CALB	1	236452	236452.000	7.34
1E13026-CALC	2	334530	167265.000	7.34
1E13026-CALD	5	724994	144998.800	7.34
1E13026-CALE	10	1591687	159168.700	7.34
1E13026-CALF	25	3678903	147156.100	7.34
1E13026-CALG	50	7365900	147318.000	7.34
1E13026-CALH	100	1.480314E+07	148031.400	7.34
1E13026-CALI	200	3.036597E+07	151829.800	7.34

AVE RF 172840.000 **RF RSD** 24.11 **AVE RT** 7.34

Aldrin [2C]

Curve Fit: **AVERAGE RF**

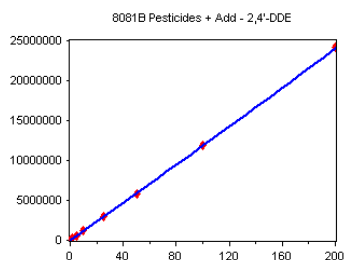


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	66915	133830.000	7.37
1E13026-CAL2	1	127724	127724.000	7.37
1E13026-CAL3	2	256049	128024.500	7.37
1E13026-CAL4	5	608511	121702.200	7.37
1E13026-CAL5	10	1269725	126972.500	7.37
1E13026-CAL6	25	3026156	121046.200	7.37
1E13026-CAL7	50	6204211	124084.200	7.37
1E13026-CAL8	100	1.238604E+07	123860.400	7.37
1E13026-CAL9	200	2.466963E+07	123348.100	7.37

AVE RF 125621.400 **RF RSD** 3.16 **AVE RT** 7.37

2,4'-DDE

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	91273	182546.000	7.41
1E13026-CALB	1	178837	178837.000	7.41
1E13026-CALC	2	256444	128222.000	7.41
1E13026-CALD	5	594594	118918.800	7.41
1E13026-CALE	10	1206190	120619.000	7.41
1E13026-CALF	25	2935773	117430.900	7.41
1E13026-CALG	50	5774569	115491.400	7.41
1E13026-CALH	100	1.188247E+07	118824.700	7.41
1E13026-CALI	200	2.417101E+07	120855.000	7.41

AVE RF 133527.200 **RF RSD** 20.21 **AVE RT** 7.41

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

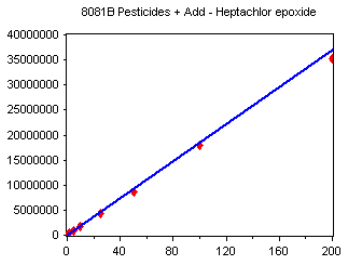
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

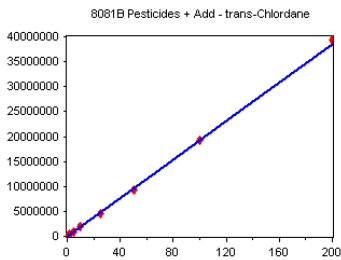


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	108704	217408.000	7.42
1E13026-CAL2	1	194604	194604.000	7.42
1E13026-CAL3	2	377452	188726.000	7.42
1E13026-CAL4	5	907091	181418.200	7.42
1E13026-CAL5	10	1805153	180515.300	7.42
1E13026-CAL6	25	4235181	169407.200	7.42
1E13026-CAL7	50	8683698	173674.000	7.42
1E13026-CAL8	100	1.785356E+07	178535.600	7.42
1E13026-CAL9	200	3.517976E+07	175898.800	7.42

AVE RF 184465.200 RF RSD 7.86 AVE RT 7.42

trans-Chlordane

Curve Fit: **AVERAGE RF**

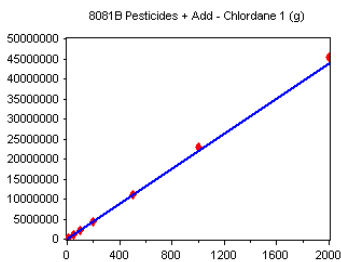


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	105586	211172.000	7.51
1E13026-CAL2	1	198517	198517.000	7.51
1E13026-CAL3	2	393604	196802.000	7.51
1E13026-CAL4	5	934724	186944.800	7.51
1E13026-CAL5	10	1871181	187118.100	7.51
1E13026-CAL6	25	4493754	179750.200	7.51
1E13026-CAL7	50	9265556	185311.100	7.51
1E13026-CAL8	100	1.915768E+07	191576.800	7.51
1E13026-CAL9	200	3.939828E+07	196991.400	7.51

AVE RF 192687.000 RF RSD 4.85 AVE RT 7.51

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

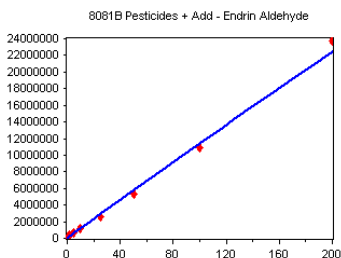


Standard	Concentration	Response	Response Factor	RT
1E13026-CALJ	10	233479	23347.900	7.51
1E13026-CALK	50	1040034	20800.680	7.51
1E13026-CALL	100	2033291	20332.910	7.51
1E13026-CALM	200	4193353	20966.770	7.51
1E13026-CALN	500	1.100416E+07	22008.320	7.51
1E13026-CALO	1000	2.306843E+07	23068.430	7.51
1E13026-CALP	2000	4.538266E+07	22691.330	7.51

AVE RF 21888.050 RF RSD 5.48 AVE RT 7.51

Endrin Aldehyde

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	88969	177938.000	0.00
1E13026-CAL2	1	167800	167800.000	8.51
1E13026-CAL3	2	335340	167670.000	8.50
1E13026-CAL4	5	599258	119851.600	8.50
1E13026-CAL5	10	1135857	113585.700	8.50
1E13026-CAL6	25	2554711	102188.400	8.51
1E13026-CAL7	50	5272768	105455.400	8.50
1E13026-CAL8	100	1.094444E+07	109444.400	8.50
1E13026-CAL9	200	2.379514E+07	118975.700	8.51

AVE RF 131434.400 RF RSD 23.17 AVE RT 7.56

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

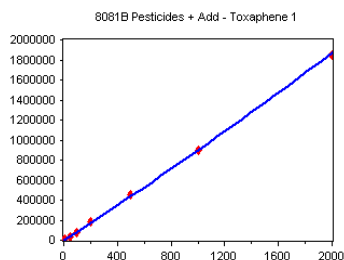
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Toxaphene 1

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

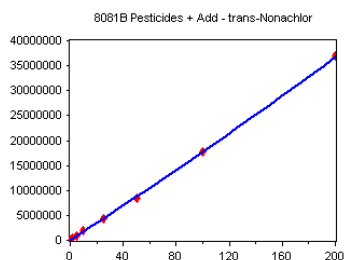


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	6278	627.800	7.59
1E13026-CALR	50	37601	752.020	7.59
1E13026-CALS	100	79805	798.050	7.59
1E13026-CALT	200	186285	931.425	7.59
1E13026-CALU	500	454968	909.936	7.59
1E13026-CALV	1000	892585	892.585	7.59
1E13026-CALW	2000	1851676	925.838	7.59

AVE RF 833.951 RF RSD 13.64 AVE RT 7.59

trans-Nonachlor

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

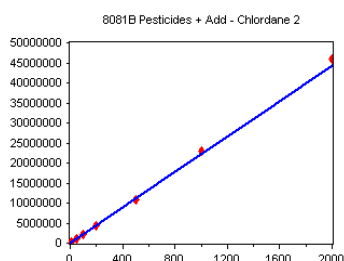


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	143303	286606.000	7.60
1E13026-CALB	1	272210	272210.000	7.60
1E13026-CALC	2	383855	191927.500	7.60
1E13026-CALD	5	864447	172889.400	7.60
1E13026-CALE	10	1838937	183893.700	7.60
1E13026-CALF	25	4399415	175976.600	7.60
1E13026-CALG	50	8533264	170665.300	7.60
1E13026-CALH	100	1.774775E+07	177477.500	7.60
1E13026-CALI	200	3.697027E+07	184851.400	7.59

AVE RF 201833.000 RF RSD 22.10 AVE RT 7.60

Chlordane 2

Curve Fit: **AVERAGE RF**

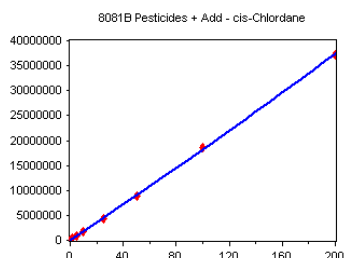


Standard	Concentration	Response	Response Factor	RT
1E13026-CALJ	10	240918	24091.800	7.61
1E13026-CALK	50	1063697	21273.940	7.61
1E13026-CALL	100	2056319	20563.190	7.61
1E13026-CALM	200	4274788	21373.940	7.61
1E13026-CALN	500	1.094233E+07	21884.660	7.61
1E13026-CALO	1000	2.296165E+07	22961.650	7.61
1E13026-CALP	2000	4.585142E+07	22925.710	7.61

AVE RF 22153.560 RF RSD 5.53 AVE RT 7.61

cis-Chlordane

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	129104	258208.000	7.61
1E13026-CAL2	1	217127	217127.000	7.61
1E13026-CAL3	2	397239	198619.500	7.61
1E13026-CAL4	5	925111	185022.200	7.61
1E13026-CAL5	10	1833411	183341.100	7.61
1E13026-CAL6	25	4339610	173584.400	7.61
1E13026-CAL7	50	8910334	178206.700	7.61
1E13026-CAL8	100	1.861452E+07	186145.200	7.61
1E13026-CAL9	200	3.722576E+07	186128.800	7.61

AVE RF 196264.800 RF RSD 13.50 AVE RT 7.61

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

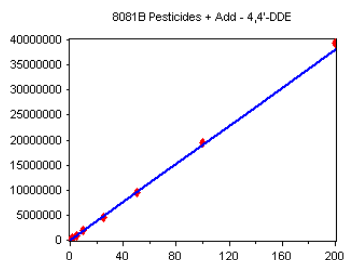
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

4,4'-DDE

Curve Fit: **AVERAGE RF**

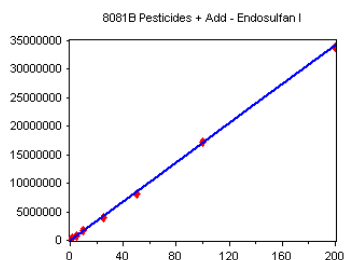


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	103512	207024.000	7.66
1E13026-CAL2	1	191589	191589.000	7.66
1E13026-CAL3	2	371519	185759.500	7.66
1E13026-CAL4	5	908229	181645.800	7.66
1E13026-CAL5	10	1845570	184557.000	7.66
1E13026-CAL6	25	4475814	179032.600	7.66
1E13026-CAL7	50	9470572	189411.400	7.66
1E13026-CAL8	100	1.950345E+07	195034.500	7.66
1E13026-CAL9	200	3.94531E+07	197265.500	7.66

AVE RF 190146.600 RF RSD 4.59 AVE RT 7.66

Endosulfan I

Curve Fit: **AVERAGE RF**

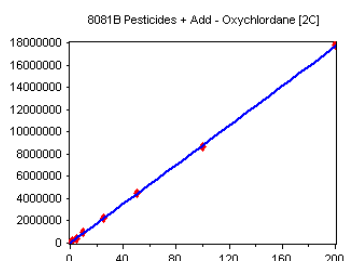


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	97307	194614.000	7.71
1E13026-CAL2	1	175744	175744.000	7.71
1E13026-CAL3	2	350328	175164.000	7.71
1E13026-CAL4	5	841286	168257.200	7.71
1E13026-CAL5	10	1666393	166639.300	7.71
1E13026-CAL6	25	3988421	159536.800	7.71
1E13026-CAL7	50	8168842	163376.800	7.71
1E13026-CAL8	100	1.712168E+07	171216.800	7.71
1E13026-CAL9	200	3.378612E+07	168930.600	7.71

AVE RF 171497.700 RF RSD 5.89 AVE RT 7.71

Oxychlorthane [2C]

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

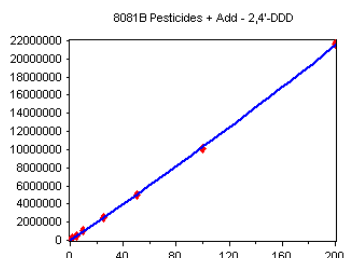


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	76256	152512.000	7.74
1E13026-CALB	1	139591	139591.000	7.74
1E13026-CALC	2	197102	98551.000	7.74
1E13026-CALD	5	434614	86922.800	7.74
1E13026-CALE	10	938205	93820.500	7.74
1E13026-CALF	25	2202001	88080.040	7.74
1E13026-CALG	50	4452891	89057.820	7.74
1E13026-CALH	100	8654133	86541.330	7.74
1E13026-CALI	200	1.778663E+07	88933.150	7.74

AVE RF 102667.700 RF RSD 24.44 AVE RT 7.74

2,4'-DDD

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	81354	162708.000	7.79
1E13026-CALB	1	153093	153093.000	7.79
1E13026-CALC	2	221117	110558.500	7.79
1E13026-CALD	5	489699	97939.800	7.79
1E13026-CALE	10	1051481	105148.100	7.79
1E13026-CALF	25	2483248	99329.920	7.79
1E13026-CALG	50	5048037	100960.700	7.79
1E13026-CALH	100	1.01318E+07	101318.000	7.79
1E13026-CALI	200	2.168059E+07	108403.000	7.79

AVE RF 115495.400 RF RSD 21.22 AVE RT 7.79

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

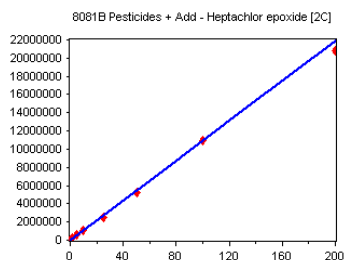
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

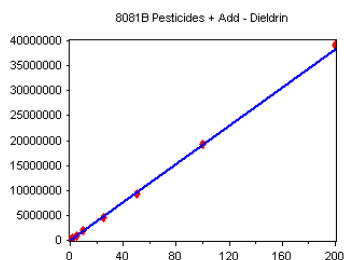


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	63862	127724.000	7.81
1E13026-CAL2	1	115030	115030.000	7.81
1E13026-CAL3	2	220050	110025.000	7.80
1E13026-CAL4	5	540794	108158.800	7.80
1E13026-CAL5	10	1054424	105442.400	7.81
1E13026-CAL6	25	2539417	101576.700	7.81
1E13026-CAL7	50	5194085	103881.700	7.81
1E13026-CAL8	100	1.094316E+07	109431.600	7.80
1E13026-CAL9	200	2.07838E+07	103919.000	7.80

AVE RF 109465.500 **RF RSD** 7.27 **AVE RT** 7.80

Dieldrin

Curve Fit: **AVERAGE RF**

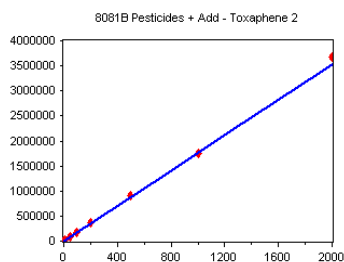


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	105858	211716.000	7.88
1E13026-CAL2	1	194217	194217.000	7.88
1E13026-CAL3	2	378737	189368.500	7.88
1E13026-CAL4	5	939922	187984.400	7.88
1E13026-CAL5	10	1851121	185112.100	7.88
1E13026-CAL6	25	4514721	180588.800	7.88
1E13026-CAL7	50	9291671	185833.400	7.88
1E13026-CAL8	100	1.929089E+07	192908.900	7.88
1E13026-CAL9	200	3.906005E+07	195300.200	7.88

AVE RF 191447.700 **RF RSD** 4.68 **AVE RT** 7.88

Toxaphene 2

Curve Fit: **AVERAGE RF**

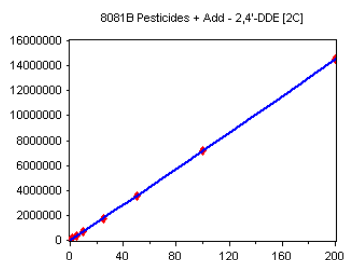


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	16597	1659.700	7.89
1E13026-CALR	50	88118	1762.360	7.89
1E13026-CALS	100	167553	1675.530	7.88
1E13026-CALT	200	372098	1860.490	7.88
1E13026-CALU	500	910368	1820.736	7.88
1E13026-CALV	1000	1750360	1750.360	7.88
1E13026-CALW	2000	3680671	1840.335	7.88

AVE RF 1767.073 **RF RSD** 4.46 **AVE RT** 7.88

2,4'-DDE [2C]

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	58102	116204.000	7.93
1E13026-CALB	1	108074	108074.000	7.93
1E13026-CALC	2	156945	78472.500	7.93
1E13026-CALD	5	364052	72810.400	7.93
1E13026-CALE	10	729823	72982.300	7.93
1E13026-CALF	25	1765278	70611.120	7.93
1E13026-CALG	50	3549291	70985.820	7.93
1E13026-CALH	100	7216600	72166.000	7.93
1E13026-CALI	200	1.452226E+07	72611.300	7.93

AVE RF 81657.490 **RF RSD** 21.49 **AVE RT** 7.93

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

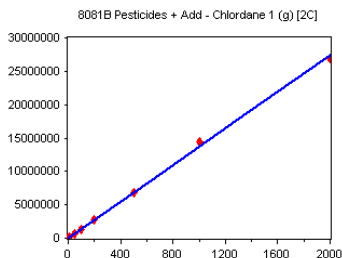
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

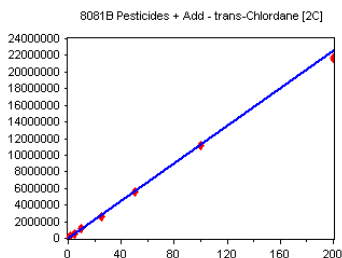


Standard	Concentration	Response	Response Factor	RT
1E13026-CALJ	10	145199	14519.900	7.95
1E13026-CALK	50	666720	13334.400	7.94
1E13026-CALL	100	1297045	12970.450	7.94
1E13026-CALM	200	2709738	13548.690	7.94
1E13026-CALN	500	6873070	13746.140	7.94
1E13026-CALO	1000	1.441634E+07	14416.340	7.94
1E13026-CALP	2000	2.688469E+07	13442.340	7.94

AVE RF 13711.180 RF RSD 4.15 AVE RT 7.94

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

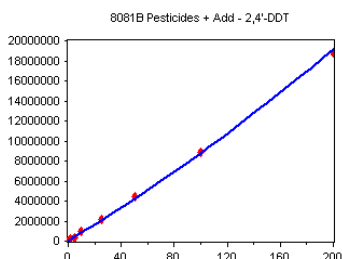


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	65803	131606.000	7.95
1E13026-CAL2	1	116610	116610.000	7.95
1E13026-CAL3	2	222614	111307.000	7.95
1E13026-CAL4	5	546587	109317.400	7.95
1E13026-CAL5	10	1121168	112116.800	7.95
1E13026-CAL6	25	2623120	104924.800	7.95
1E13026-CAL7	50	5613316	112266.300	7.94
1E13026-CAL8	100	1.118025E+07	111802.500	7.94
1E13026-CAL9	200	2.160143E+07	108007.100	7.95

AVE RF 113106.400 RF RSD 6.77 AVE RT 7.94

2,4'-DDT

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

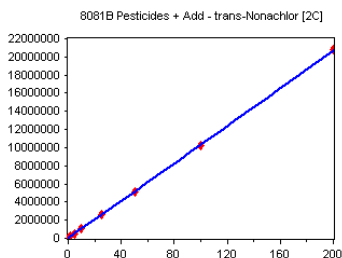


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	73831	147662.000	7.97
1E13026-CALB	1	128520	128520.000	7.97
1E13026-CALC	2	179793	89896.500	7.97
1E13026-CALD	5	353725	70745.000	7.97
1E13026-CALE	10	933973	93397.300	7.97
1E13026-CALF	25	2108924	84356.960	7.97
1E13026-CALG	50	4397259	87945.180	7.97
1E13026-CALH	100	8916550	89165.500	7.97
1E13026-CALI	200	1.882716E+07	94135.800	7.97

AVE RF 98424.920 RF RSD 24.38 AVE RT 7.97

trans-Nonachlor [2C]

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	90296	180592.000	8.01
1E13026-CALB	1	166010	166010.000	8.01
1E13026-CALC	2	234297	117148.500	8.01
1E13026-CALD	5	518979	103795.800	8.01
1E13026-CALE	10	1078206	107820.600	8.01
1E13026-CALF	25	2597710	103908.400	8.01
1E13026-CALG	50	5159251	103185.000	8.01
1E13026-CALH	100	1.02655E+07	102655.000	8.01
1E13026-CALI	200	2.081503E+07	104075.100	8.01

AVE RF 121021.200 RF RSD 24.95 AVE RT 8.01

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

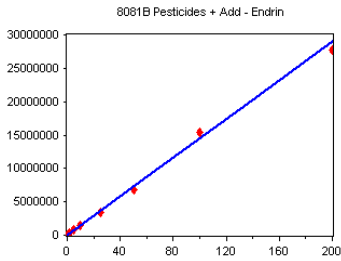
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Endrin

Curve Fit: **AVERAGE RF**

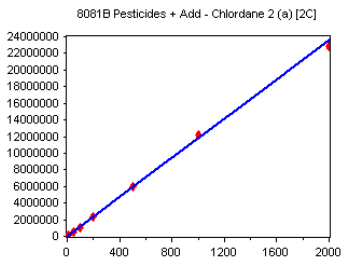


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	79065	158130.000	8.05
1E13026-CAL2	1	142951	142951.000	8.05
1E13026-CAL3	2	296913	148456.500	8.05
1E13026-CAL4	5	733658	146731.600	8.05
1E13026-CAL5	10	1450120	145012.000	8.05
1E13026-CAL6	25	3355545	134221.800	8.05
1E13026-CAL7	50	6860232	137204.600	8.05
1E13026-CAL8	100	1.543919E+07	154391.900	8.05
1E13026-CAL9	200	2.779249E+07	138962.500	8.05

AVE RF 145118.000 **RF RSD** 5.41 **AVE RT** 8.05

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

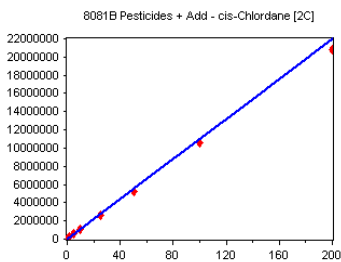


Standard	Concentration	Response	Response Factor	RT
1E13026-CALJ	10	131575	13157.500	8.05
1E13026-CALK	50	578383	11567.660	8.05
1E13026-CALL	100	1086959	10869.590	8.05
1E13026-CALM	200	2301177	11505.880	8.05
1E13026-CALN	500	5955628	11911.260	8.05
1E13026-CALO	1000	1.217276E+07	12172.760	8.05
1E13026-CALP	2000	2.288978E+07	11444.890	8.05

AVE RF 11804.220 **RF RSD** 6.12 **AVE RT** 8.05

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

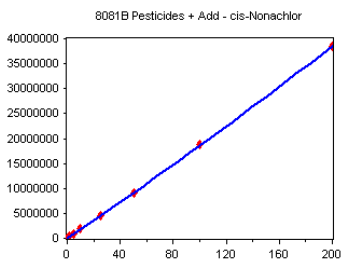


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	65277	130554.000	8.05
1E13026-CAL2	1	118151	118151.000	8.05
1E13026-CAL3	2	220771	110385.500	8.05
1E13026-CAL4	5	537254	107450.800	8.05
1E13026-CAL5	10	1051212	105121.200	8.05
1E13026-CAL6	25	2571360	102854.400	8.05
1E13026-CAL7	50	5229200	104584.000	8.05
1E13026-CAL8	100	1.060176E+07	106017.600	8.05
1E13026-CAL9	200	2.084587E+07	104229.400	8.05

AVE RF 109927.500 **RF RSD** 8.19 **AVE RT** 8.05

cis-Nonachlor

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	147196	294392.000	8.07
1E13026-CALB	1	277379	277379.000	8.07
1E13026-CALC	2	393687	196843.500	8.07
1E13026-CALD	5	891375	178275.000	8.07
1E13026-CALE	10	1918012	191801.200	8.07
1E13026-CALF	25	4524155	180966.200	8.07
1E13026-CALG	50	9110847	182216.900	8.07
1E13026-CALH	100	1.876006E+07	187600.600	8.07
1E13026-CALI	200	3.845079E+07	192254.000	8.07

AVE RF 209080.900 **RF RSD** 21.12 **AVE RT** 8.07

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

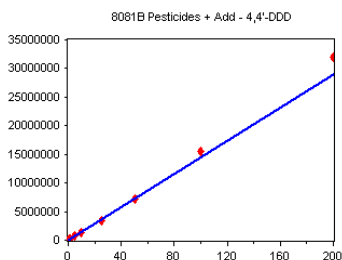
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

4,4'-DDD

Curve Fit: **AVERAGE RF**

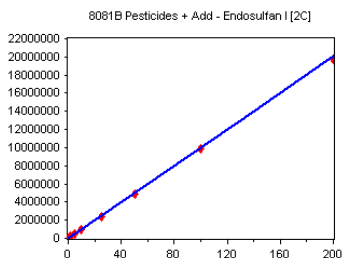


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	75104	150208.000	8.09
1E13026-CAL2	1	137514	137514.000	8.09
1E13026-CAL3	2	280347	140173.500	8.09
1E13026-CAL4	5	696451	139290.200	8.09
1E13026-CAL5	10	1381303	138130.300	8.09
1E13026-CAL6	25	3411456	136458.200	8.09
1E13026-CAL7	50	7128862	142577.200	8.09
1E13026-CAL8	100	1.549947E+07	154994.700	8.09
1E13026-CAL9	200	3.206288E+07	160314.400	8.09

AVE RF 144406.700 **RF RSD** 5.98 **AVE RT** 8.09

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

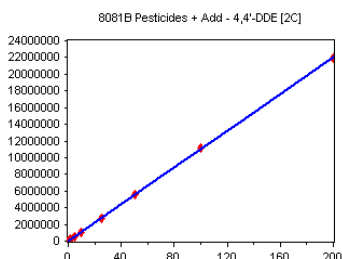


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	57105	114210.000	8.10
1E13026-CAL2	1	101089	101089.000	8.10
1E13026-CAL3	2	199117	99558.500	8.10
1E13026-CAL4	5	493770	98754.000	8.10
1E13026-CAL5	10	969773	96977.300	8.10
1E13026-CAL6	25	2379053	95162.120	8.10
1E13026-CAL7	50	4929170	98583.400	8.10
1E13026-CAL8	100	9908448	99084.480	8.10
1E13026-CAL9	200	1.974139E+07	98706.950	8.10

AVE RF 100236.200 **RF RSD** 5.48 **AVE RT** 8.10

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

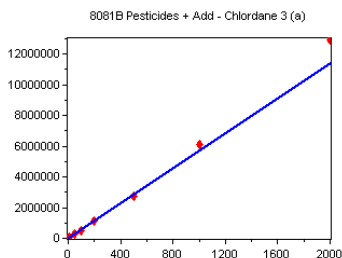


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	59947	119894.000	8.16
1E13026-CAL2	1	109637	109637.000	8.16
1E13026-CAL3	2	221196	110598.000	8.16
1E13026-CAL4	5	537025	107405.000	8.16
1E13026-CAL5	10	1065407	106540.700	8.16
1E13026-CAL6	25	2681774	107271.000	8.16
1E13026-CAL7	50	5561023	111220.500	8.16
1E13026-CAL8	100	1.110629E+07	111062.900	8.16
1E13026-CAL9	200	2.189456E+07	109472.800	8.16

AVE RF 110344.600 **RF RSD** 3.60 **AVE RT** 8.16

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E13026-CALJ	10	61174	6117.400	8.16
1E13026-CALK	50	260571	5211.420	8.16
1E13026-CALL	100	501152	5011.520	8.16
1E13026-CALM	200	1090779	5453.895	8.16
1E13026-CALN	500	2753614	5507.228	8.16
1E13026-CALO	1000	6115319	6115.319	8.16
1E13026-CALP	2000	1.293788E+07	6468.940	8.16

AVE RF 5697.960 **RF RSD** 9.47 **AVE RT** 8.16

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

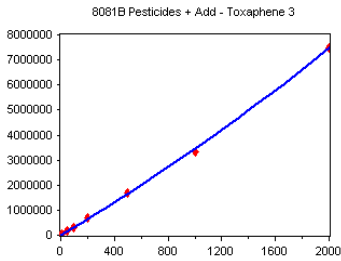
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Toxaphene 3

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

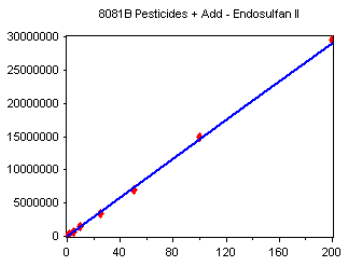


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	27921	2792.100	8.20
1E13026-CALR	50	156255	3125.100	8.20
1E13026-CALS	100	287648	2876.480	8.20
1E13026-CALT	200	688271	3441.355	8.20
1E13026-CALU	500	1705677	3411.354	8.20
1E13026-CALV	1000	3350890	3350.890	8.20
1E13026-CALW	2000	7501190	3750.595	8.20

AVE RF 3249.696 RF RSD 10.42 AVE RT 8.20

Endosulfan II

Curve Fit: **AVERAGE RF**

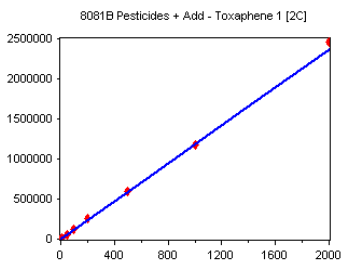


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	81751	163502.000	8.21
1E13026-CAL2	1	146441	146441.000	8.21
1E13026-CAL3	2	291927	145963.500	8.21
1E13026-CAL4	5	700177	140035.400	8.21
1E13026-CAL5	10	1427769	142776.900	8.21
1E13026-CAL6	25	3343667	133746.700	8.21
1E13026-CAL7	50	6961477	139229.500	8.21
1E13026-CAL8	100	1.490067E+07	149006.700	8.21
1E13026-CAL9	200	2.958148E+07	147907.400	8.21

AVE RF 145401.000 RF RSD 5.74 AVE RT 8.21

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

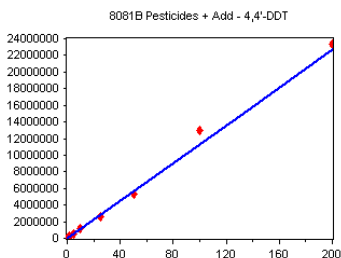


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	10584	1058.400	8.28
1E13026-CALR	50	59657	1193.140	8.27
1E13026-CALS	100	116608	1166.080	8.27
1E13026-CALT	200	250788	1253.940	8.27
1E13026-CALU	500	595063	1190.126	8.27
1E13026-CALV	1000	1176759	1176.759	8.27
1E13026-CALW	2000	2462187	1231.094	8.27

AVE RF 1181.363 RF RSD 5.28 AVE RT 8.27

4,4'-DDT

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	61861	123722.000	8.28
1E13026-CAL2	1	109141	109141.000	8.28
1E13026-CAL3	2	222597	111298.500	8.28
1E13026-CAL4	5	554198	110839.600	8.28
1E13026-CAL5	10	1107872	110787.200	8.28
1E13026-CAL6	25	2543696	101747.800	8.28
1E13026-CAL7	50	5301714	106034.300	8.28
1E13026-CAL8	100	1.292553E+07	129255.300	8.28
1E13026-CAL9	200	2.33876E+07	116938.000	8.28

AVE RF 113307.100 RF RSD 7.62 AVE RT 8.28

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

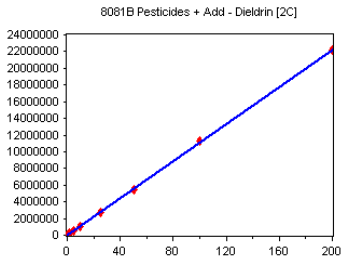
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

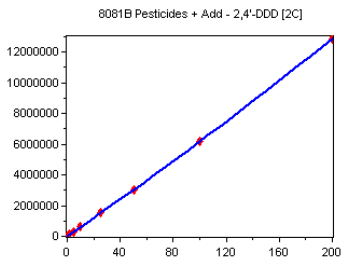


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	60460	120920.000	8.30
1E13026-CAL2	1	112775	112775.000	8.30
1E13026-CAL3	2	220990	110495.000	8.30
1E13026-CAL4	5	544763	108952.600	8.30
1E13026-CAL5	10	1085560	108556.000	8.30
1E13026-CAL6	25	2667809	106712.400	8.30
1E13026-CAL7	50	5457158	109143.200	8.30
1E13026-CAL8	100	1.123026E+07	112302.600	8.30
1E13026-CAL9	200	2.217837E+07	110891.900	8.30

AVE RF 111194.300 **RF RSD** 3.70 **AVE RT** 8.30

2,4'-DDD [2C]

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

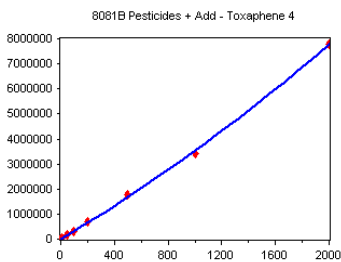


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	52260	104520.000	8.30
1E13026-CALB	1	95600	95600.000	8.30
1E13026-CALC	2	135036	67518.000	8.30
1E13026-CALD	5	291072	58214.400	8.30
1E13026-CALE	10	626399	62639.900	8.30
1E13026-CALF	25	1528853	61154.120	8.30
1E13026-CALG	50	3054443	61088.860	8.30
1E13026-CALH	100	6214250	62142.500	8.30
1E13026-CALI	200	1.282991E+07	64149.550	8.30

AVE RF 70780.810 **RF RSD** 23.93 **AVE RT** 8.30

Toxaphene 4

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

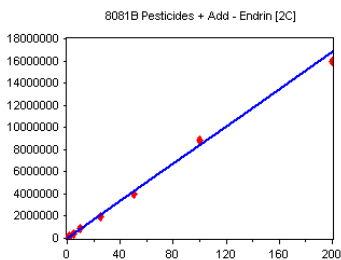


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	44362	4436.200	8.44
1E13026-CALR	50	170798	3415.960	8.44
1E13026-CALS	100	295323	2953.230	8.44
1E13026-CALT	200	713139	3565.695	8.44
1E13026-CALU	500	1754291	3508.582	8.44
1E13026-CALV	1000	3434990	3434.990	8.44
1E13026-CALW	2000	7772495	3886.248	8.44

AVE RF 3600.129 **RF RSD** 12.78 **AVE RT** 8.44

Endrin [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	46480	92960.000	8.52
1E13026-CAL2	1	82661	82661.000	8.52
1E13026-CAL3	2	170599	85299.500	8.52
1E13026-CAL4	5	418569	83713.800	8.52
1E13026-CAL5	10	845929	84592.900	8.52
1E13026-CAL6	25	1947378	77895.120	8.52
1E13026-CAL7	50	4019883	80397.660	8.52
1E13026-CAL8	100	8877356	88773.560	8.52
1E13026-CAL9	200	1.599093E+07	79954.650	8.52

AVE RF 84027.580 **RF RSD** 5.54 **AVE RT** 8.52

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

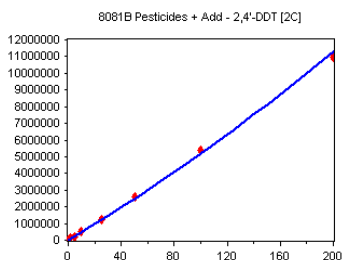
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

2,4'-DDT [2C]

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

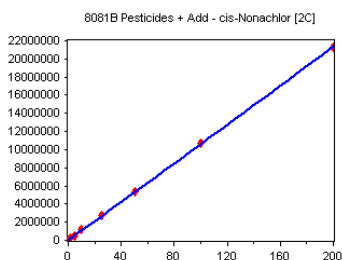


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	42686	85372.000	8.53
1E13026-CALB	1	74762	74762.000	8.52
1E13026-CALC	2	105176	52588.000	8.52
1E13026-CALD	5	207327	41465.400	8.52
1E13026-CALE	10	542774	54277.400	8.52
1E13026-CALF	25	1261397	50455.880	8.52
1E13026-CALG	50	2587749	51754.980	8.53
1E13026-CALH	100	5372929	53729.290	8.52
1E13026-CALI	200	1.098785E+07	54939.250	8.52

AVE RF 57704.910 **RF RSD** 23.49 **AVE RT** 8.52

cis-Nonachlor [2C]

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

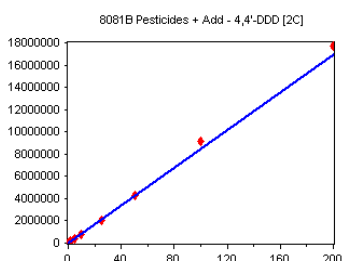


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	89678	179356.000	8.57
1E13026-CALB	1	163577	163577.000	8.57
1E13026-CALC	2	231094	115547.000	8.57
1E13026-CALD	5	520021	104004.200	8.57
1E13026-CALE	10	1136343	113634.300	8.57
1E13026-CALF	25	2680783	107231.300	8.57
1E13026-CALG	50	5299835	105996.700	8.57
1E13026-CALH	100	1.072379E+07	107237.900	8.57
1E13026-CALI	200	2.126568E+07	106328.400	8.57

AVE RF 122545.900 **RF RSD** 23.06 **AVE RT** 8.57

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

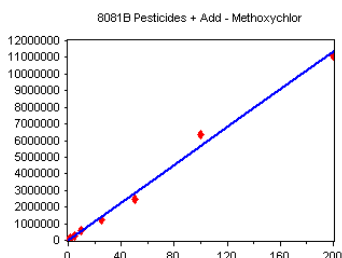


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	44890	89780.000	8.57
1E13026-CAL2	1	79250	79250.000	8.57
1E13026-CAL3	2	165193	82596.500	8.57
1E13026-CAL4	5	411165	82233.000	8.57
1E13026-CAL5	10	819756	81975.600	8.57
1E13026-CAL6	25	2010968	80438.720	8.57
1E13026-CAL7	50	4236713	84734.260	8.57
1E13026-CAL8	100	9140697	91406.970	8.57
1E13026-CAL9	200	1.766769E+07	88338.450	8.57

AVE RF 84528.170 **RF RSD** 5.12 **AVE RT** 8.57

Methoxychlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	31728	63456.000	8.62
1E13026-CAL2	1	57409	57409.000	8.61
1E13026-CAL3	2	121521	60760.500	8.61
1E13026-CAL4	5	283579	56715.800	8.62
1E13026-CAL5	10	554664	55466.400	8.62
1E13026-CAL6	25	1229433	49177.320	8.62
1E13026-CAL7	50	2476210	49524.200	8.61
1E13026-CAL8	100	6352153	63521.530	8.61
1E13026-CAL9	200	1.107782E+07	55389.100	8.61

AVE RF 56824.430 **RF RSD** 9.24 **AVE RT** 8.61

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

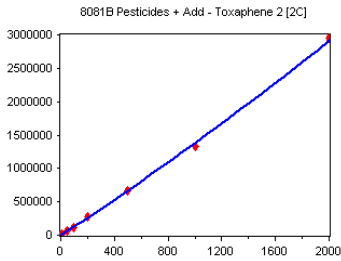
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Toxaphene 2 [2C]

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

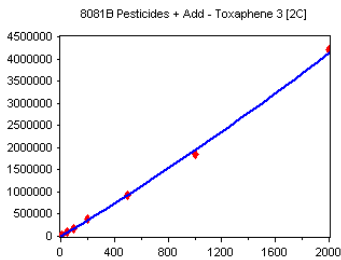


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	9017	901.700	8.62
1E13026-CALR	50	63333	1266.660	8.62
1E13026-CALS	100	120000	1200.000	8.62
1E13026-CALT	200	273261	1366.305	8.62
1E13026-CALU	500	672660	1345.320	8.62
1E13026-CALV	1000	1326918	1326.918	8.62
1E13026-CALW	2000	2954588	1477.294	8.62

AVE RF 1269.171 **RF RSD** 14.45 **AVE RT** 8.62

Toxaphene 3 [2C]

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

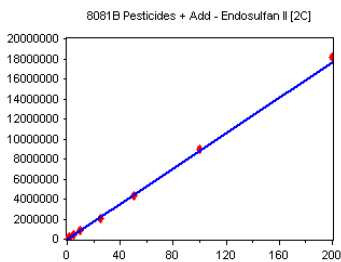


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	15232	1523.200	8.66
1E13026-CALR	50	91402	1828.040	8.65
1E13026-CALS	100	166408	1664.080	8.65
1E13026-CALT	200	387188	1935.940	8.65
1E13026-CALU	500	935601	1871.202	8.65
1E13026-CALV	1000	1849250	1849.250	8.65
1E13026-CALW	2000	4206622	2103.311	8.65

AVE RF 1825.003 **RF RSD** 10.24 **AVE RT** 8.65

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

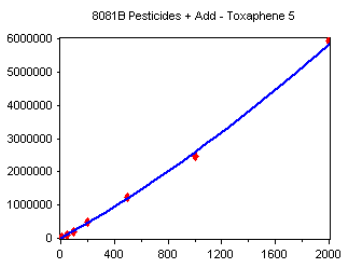


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	48396	96792.000	8.67
1E13026-CAL2	1	88669	88669.000	8.67
1E13026-CAL3	2	178366	89183.000	8.67
1E13026-CAL4	5	412524	82504.800	8.67
1E13026-CAL5	10	840002	84000.200	8.67
1E13026-CAL6	25	2080485	83219.400	8.67
1E13026-CAL7	50	4370229	87404.580	8.67
1E13026-CAL8	100	8921603	89216.030	8.67
1E13026-CAL9	200	1.81624E+07	90812.000	8.67

AVE RF 87977.890 **RF RSD** 5.05 **AVE RT** 8.67

Toxaphene 5

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	16225	1622.500	8.67
1E13026-CALR	50	111395	2227.900	8.67
1E13026-CALS	100	200855	2008.550	8.67
1E13026-CALT	200	498086	2490.430	8.67
1E13026-CALU	500	1237962	2475.924	8.67
1E13026-CALV	1000	2465390	2465.390	8.67
1E13026-CALW	2000	5929875	2964.938	8.67

AVE RF 2322.233 **RF RSD** 18.29 **AVE RT** 8.67

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

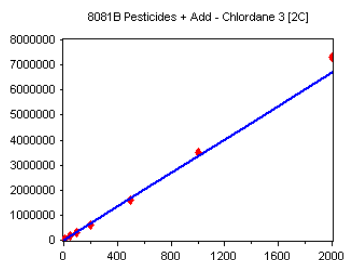
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**

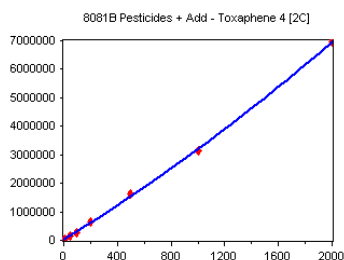


Standard	Concentration	Response	Response Factor	RT
1E13026-CALJ	10	38161	3816.100	8.70
1E13026-CALK	50	156236	3124.720	8.70
1E13026-CALL	100	297538	2975.380	8.70
1E13026-CALM	200	621221	3106.105	8.70
1E13026-CALN	500	1608325	3216.650	8.70
1E13026-CALO	1000	3518953	3518.953	8.70
1E13026-CALP	2000	7309396	3654.698	8.70

AVE RF 3344.658 **RF RSD** 9.51 **AVE RT** 8.70

Toxaphene 4 [2C]

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

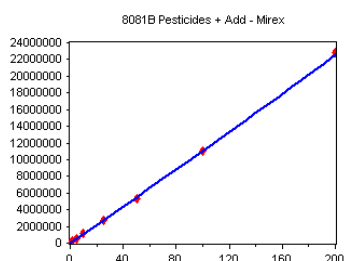


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	51887	5188.700	8.72
1E13026-CALR	50	169736	3394.720	8.72
1E13026-CALS	100	283367	2833.670	8.72
1E13026-CALT	200	656424	3282.120	8.72
1E13026-CALU	500	1616774	3233.548	8.72
1E13026-CALV	1000	3131109	3131.109	8.72
1E13026-CALW	2000	6945744	3472.872	8.72

AVE RF 3505.248 **RF RSD** 21.98 **AVE RT** 8.72

Mirex

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

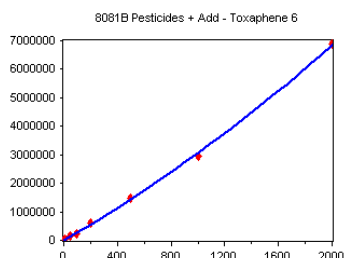


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	107763	215526.000	8.74
1E13026-CALB	1	193987	193987.000	8.74
1E13026-CALC	2	268365	134182.500	8.74
1E13026-CALD	5	555798	111159.600	8.74
1E13026-CALE	10	1167813	116781.300	8.74
1E13026-CALF	25	2687924	107517.000	8.74
1E13026-CALG	50	5345808	106916.200	8.74
1E13026-CALH	100	1.098513E+07	109851.300	8.74
1E13026-CALI	200	2.282765E+07	114138.300	8.74

AVE RF 134451.000 **RF RSD** 30.52 **AVE RT** 8.74

Toxaphene 6

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	21433	2143.300	8.74
1E13026-CALR	50	136594	2731.880	8.74
1E13026-CALS	100	237990	2379.900	8.74
1E13026-CALT	200	600797	3003.985	8.74
1E13026-CALU	500	1473541	2947.082	8.74
1E13026-CALV	1000	2961877	2961.877	8.74
1E13026-CALW	2000	6886007	3443.003	8.74

AVE RF 2801.575 **RF RSD** 15.39 **AVE RT** 8.74

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

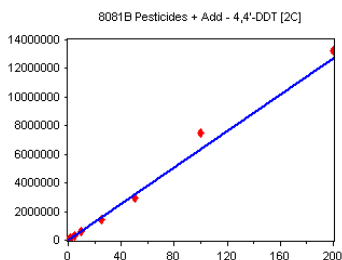
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

4,4'-DDT [2C]

Curve Fit: **AVERAGE RF**

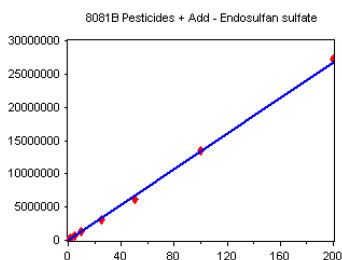


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	34473	68946.000	8.79
1E13026-CAL2	1	60563	60563.000	8.79
1E13026-CAL3	2	125347	62673.500	8.79
1E13026-CAL4	5	301505	60301.000	8.79
1E13026-CAL5	10	622265	62226.500	8.79
1E13026-CAL6	25	1451718	58068.720	8.79
1E13026-CAL7	50	2976329	59526.580	8.79
1E13026-CAL8	100	7491964	74919.640	8.79
1E13026-CAL9	200	1.32097E+07	66048.500	8.79

AVE RF 63697.050 RF RSD 8.47 AVE RT 8.79

Endosulfan sulfate

Curve Fit: **AVERAGE RF**

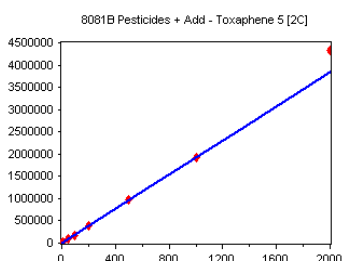


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	76114	152228.000	8.81
1E13026-CAL2	1	136561	136561.000	8.81
1E13026-CAL3	2	279280	139640.000	8.81
1E13026-CAL4	5	652998	130599.600	8.81
1E13026-CAL5	10	1274489	127448.900	8.81
1E13026-CAL6	25	3049379	121975.200	8.81
1E13026-CAL7	50	6218470	124369.400	8.81
1E13026-CAL8	100	1.349535E+07	134953.500	8.81
1E13026-CAL9	200	2.723672E+07	136183.600	8.81

AVE RF 133773.200 RF RSD 6.83 AVE RT 8.81

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**

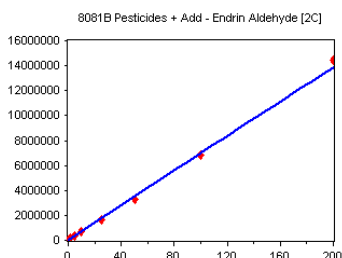


Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	18118	1811.800	8.90
1E13026-CALR	50	96396	1927.920	8.90
1E13026-CALS	100	170622	1706.220	8.90
1E13026-CALT	200	390251	1951.255	8.90
1E13026-CALU	500	981058	1962.116	8.90
1E13026-CALV	1000	1923662	1923.662	8.90
1E13026-CALW	2000	4328462	2164.231	8.90

AVE RF 1921.029 RF RSD 7.36 AVE RT 8.90

Endrin Aldehyde [2C]

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	55097	110194.000	8.90
1E13026-CAL2	1	101152	101152.000	8.90
1E13026-CAL3	2	202658	101329.000	8.90
1E13026-CAL4	5	355167	71033.400	8.90
1E13026-CAL5	10	689100	68910.000	8.90
1E13026-CAL6	25	1628555	65142.200	8.90
1E13026-CAL7	50	3288404	65768.080	8.90
1E13026-CAL8	100	6834095	68340.950	8.90
1E13026-CAL9	200	1.445755E+07	72287.750	8.90

AVE RF 80461.930 RF RSD 22.55 AVE RT 8.90

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

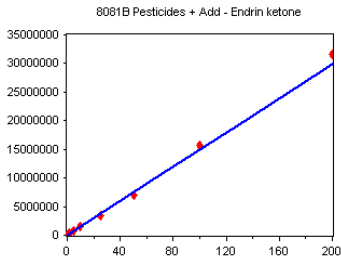
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Endrin ketone

Curve Fit: **AVERAGE RF**

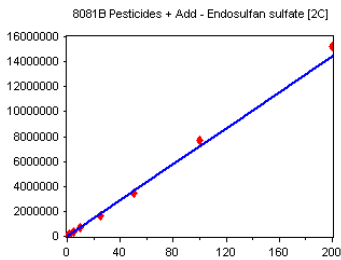


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	81812	163624.000	9.01
1E13026-CAL2	1	149787	149787.000	9.01
1E13026-CAL3	2	299249	149624.500	9.01
1E13026-CAL4	5	734985	146997.000	9.01
1E13026-CAL5	10	1424146	142414.600	9.01
1E13026-CAL6	25	3401034	136041.400	9.01
1E13026-CAL7	50	6909122	138182.400	9.01
1E13026-CAL8	100	1.563872E+07	156387.200	9.01
1E13026-CAL9	200	3.161238E+07	158061.900	9.01

AVE RF 149013.300 **RF RSD** 6.20 **AVE RT** 9.01

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

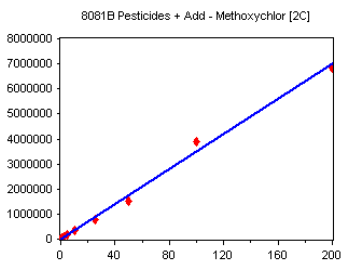


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	40184	80368.000	9.10
1E13026-CAL2	1	71960	71960.000	9.10
1E13026-CAL3	2	142766	71383.000	9.10
1E13026-CAL4	5	347520	69504.000	9.09
1E13026-CAL5	10	686141	68614.100	9.10
1E13026-CAL6	25	1631456	65258.240	9.09
1E13026-CAL7	50	3470240	69404.800	9.09
1E13026-CAL8	100	7662944	76629.440	9.09
1E13026-CAL9	200	1.523045E+07	76152.250	9.09

AVE RF 72141.540 **RF RSD** 6.55 **AVE RT** 9.09

Methoxychlor [2C]

Curve Fit: **AVERAGE RF**

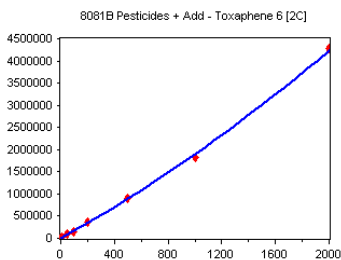


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	19646	39292.000	9.26
1E13026-CAL2	1	35220	35220.000	9.26
1E13026-CAL3	2	77253	38626.500	9.26
1E13026-CAL4	5	177908	35581.600	9.26
1E13026-CAL5	10	340852	34085.200	9.26
1E13026-CAL6	25	763903	30556.120	9.26
1E13026-CAL7	50	1497379	29947.580	9.26
1E13026-CAL8	100	3874265	38742.650	9.26
1E13026-CAL9	200	6813580	34067.900	9.26

AVE RF 35124.390 **RF RSD** 9.70 **AVE RT** 9.26

Toxaphene 6 [2C]

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CALQ	10	15218	1521.800	9.27
1E13026-CALR	50	85572	1711.440	9.27
1E13026-CALS	100	150389	1503.890	9.27
1E13026-CALT	200	373662	1868.310	9.27
1E13026-CALU	500	905293	1810.586	9.27
1E13026-CALV	1000	1825751	1825.751	9.27
1E13026-CALW	2000	4271167	2135.583	9.27

AVE RF 1768.194 **RF RSD** 12.30 **AVE RT** 9.27

Element Calibration Review Sheet

Calibration ID: **A1E1407**

Instrument: **DUALECD3**

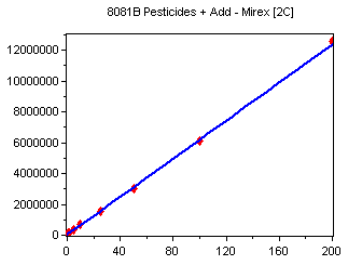
Calibration Date: **05/14/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_21051**

Mirex [2C]

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

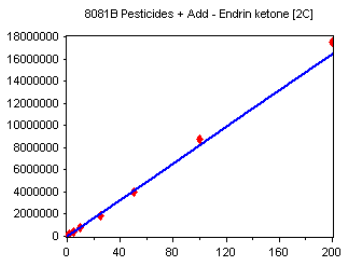


Standard	Concentration	Response	Response Factor	RT
1E13026-CALA	0.5	63791	127582.000	9.47
1E13026-CALB	1	112928	112928.000	9.47
1E13026-CALC	2	155396	77698.000	9.47
1E13026-CALD	5	318113	63622.600	9.47
1E13026-CALE	10	671908	67190.800	9.47
1E13026-CALF	25	1521789	60871.560	9.47
1E13026-CALG	50	3049951	60999.020	9.47
1E13026-CALH	100	6116364	61163.640	9.47
1E13026-CALI	200	1.258443E+07	62922.150	9.47

AVE RF 77219.750 **RF RSD** 32.66 **AVE RT** 9.47

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

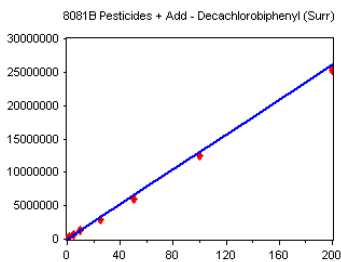


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	406854	241702.000	9.50
1E13026-CAL2	1	83617	83617.000	9.48
1E13026-CAL3	2	169454	84727.000	9.48
1E13026-CAL4	5	408591	81718.200	9.48
1E13026-CAL5	10	784044	78404.400	9.48
1E13026-CAL6	25	1896485	75859.400	9.48
1E13026-CAL7	50	3977610	79552.200	9.48
1E13026-CAL8	100	8776435	87764.350	9.48
1E13026-CAL9	200	1.750602E+07	87530.100	9.48

AVE RF 82396.580 **RF RSD** 5.22 **AVE RT** 9.48

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

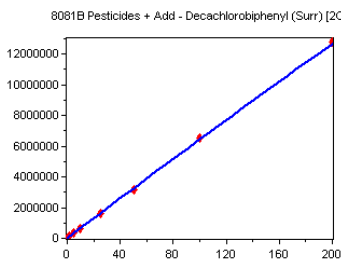


Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	446790	893580.000	9.68
1E13026-CAL2	1	156835	156835.000	9.68
1E13026-CAL3	2	289121	144560.500	9.68
1E13026-CAL4	5	645734	129146.800	9.68
1E13026-CAL5	10	1253986	125398.600	9.68
1E13026-CAL6	25	2943632	117745.300	9.68
1E13026-CAL7	50	5999135	119982.700	9.68
1E13026-CAL8	100	1.250074E+07	125007.400	9.68
1E13026-CAL9	200	2.532805E+07	126640.300	9.68

AVE RF 130664.600 **RF RSD** 10.17 **AVE RT** 9.68

Decachlorobiphenyl (Surr) [2C]

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



Standard	Concentration	Response	Response Factor	RT
1E13026-CAL1	0.5	45781	91562.000	10.32
1E13026-CAL2	1	82421	82421.000	10.32
1E13026-CAL3	2	152693	76346.500	10.32
1E13026-CAL4	5	347381	69476.200	10.32
1E13026-CAL5	10	650390	65039.000	10.32
1E13026-CAL6	25	1598548	63941.920	10.32
1E13026-CAL7	50	3136910	62738.200	10.32
1E13026-CAL8	100	6526658	65266.580	10.32
1E13026-CAL9	200	1.278889E+07	63944.450	10.32

AVE RF 71192.870 **RF RSD** 14.22 **AVE RT** 10.32

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1E13026

Analysis Included

**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
8081A Pesticides (CA)
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: 1E13026

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
1E13026-ICB1	Initial Cal Blank	Water	A21E029		5/13/2021 1:16:00PM
1E13026-CAL1	Cal Standard	Water	A21E230	"	5/13/2021 1:34:00PM
1E13026-CAL2	Cal Standard	Water	A21E231	"	5/13/2021 1:51:00PM
1E13026-CAL3	Cal Standard	Water	A21B419	"	5/13/2021 2:08:00PM
1E13026-CAL4	Cal Standard	Water	A21B420	"	5/13/2021 2:26:00PM
1E13026-CAL5	Cal Standard	Water	A21B421	"	5/13/2021 2:43:00PM
1E13026-CAL6	Cal Standard	Water	A21B422	"	5/13/2021 3:01:00PM
1E13026-CAL7	Cal Standard	Water	A21B423	"	5/13/2021 3:18:00PM
1E13026-CAL8	Cal Standard	Water	A21B424	"	5/13/2021 3:53:00PM
1E13026-CAL9	Cal Standard	Water	A21B418	"	5/13/2021 4:45:00PM
1E13026-ICV1	Initial Cal Check	Water	A21E238	"	5/13/2021 5:20:00PM
1E13026-CALA	Cal Standard	Water	A21E233	"	5/13/2021 5:37:00PM
1E13026-CALB	Cal Standard	Water	A21C326	"	5/13/2021 5:55:00PM
1E13026-CALC	Cal Standard	Water	A21C327	"	5/13/2021 6:12:00PM
1E13026-CALD	Cal Standard	Water	A21C328	"	5/13/2021 6:30:00PM
1E13026-CALE	Cal Standard	Water	A21C329	"	5/13/2021 6:47:00PM
1E13026-CALF	Cal Standard	Water	A21C330	"	5/13/2021 7:04:00PM
1E13026-CALG	Cal Standard	Water	A21C331	"	5/13/2021 7:22:00PM
1E13026-CALH	Cal Standard	Water	A21C332	"	5/13/2021 7:39:00PM
1E13026-CALI	Cal Standard	Water	A21C325	"	5/13/2021 7:57:00PM
1E13026-ICV2	Initial Cal Check	Water	A21C333	"	5/13/2021 8:32:00PM
1E13026-CALJ	Cal Standard	Water	A21E234	"	5/13/2021 8:49:00PM
1E13026-CALK	Cal Standard	Water	A20L139	"	5/13/2021 9:06:00PM
1E13026-CALL	Cal Standard	Water	A20L140	"	5/13/2021 9:24:00PM
1E13026-CALM	Cal Standard	Water	A20L141	"	5/13/2021 9:41:00PM
1E13026-CALN	Cal Standard	Water	A20L142	"	5/13/2021 9:58:00PM
1E13026-CALO	Cal Standard	Water	A20L143	"	5/13/2021 10:16:00PM
1E13026-CALP	Cal Standard	Water	A20L138	"	5/13/2021 10:33:00PM
1E13026-ICV3	Initial Cal Check	Water	A20L144	"	5/13/2021 11:08:00PM
1E13026-CALQ	Cal Standard	Water	A21E235	"	5/13/2021 11:25:00PM
1E13026-CALR	Cal Standard	Water	A20K260	"	5/13/2021 11:43:00PM
1E13026-CALS	Cal Standard	Water	A20K261	"	5/14/2021 12:00:00AM
1E13026-CALT	Cal Standard	Water	A20K262	"	5/14/2021 12:17:00AM
1E13026-CALU	Cal Standard	Water	A20K263	"	5/14/2021 12:34:00AM
1E13026-CALV	Cal Standard	Water	A20K264	"	5/14/2021 12:51:00AM
1E13026-CALW	Cal Standard	Water	A20K259	"	5/14/2021 1:09:00AM
1E13026-ICV4	Initial Cal Check	Water	A20K265	"	5/14/2021 1:43:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A1E1407**

Instrument: **DualECD3F**

1311/8081B TCLP Pesticides (

Sequence: **1E13026**

Matrix: **Water**

1E13026-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1E13026

1E13026-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-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	
1E13026-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	
1E13026-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E13026-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1E13026

1E13026-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	
1E13026-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: **A1E1407**

Instrument: **DualECD3F**

608.3 Pesticides (TTO)

Sequence: **1E13026**

Matrix: **Water**

1E13026-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1E13026-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual
1E13026-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual
1E13026-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.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1E13026

ICV : Initial Result vs Element Cal Result

Calibration: **A1E1407**

Instrument: **DualECD3F**

608.3 Pesticides (SW) Full List

Sequence: **1E13026**

Matrix: **Water**

1E13026-ICV1	Inst. MRL	ICV Level	I_Res	Cal_Res	Diff
1E13026-ICV2	Inst. MRL	ICV Level	I_Res	Cal_Res	Diff
1E13026-ICV3	Inst. MRL	ICV Level	I_Res	Cal_Res	Diff
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical)	19	500	490.33	0.00	490.33
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical) [2C]	75	500	460.40	0.00	460.40
Chlordane (Technical) [2C]	19	500	490.40	0.00	490.40
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical) [2C]	75	500	490.40	0.00	490.40
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical)	75	500	490.33	0.00	490.33
Chlordane (Technical)	75	500	490.33	0.00	490.33
1E13026-ICV4	Inst. MRL	ICV Level	I_Res	Cal_Res	Diff
Toxaphene (Total) [2C]	200	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	200	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	75	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	75	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	75	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	200	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	75	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	75	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	75	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	75	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	19	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	75	500	537.25	0.00	537.25
Toxaphene (Total) [2C]	200	500	537.25	0.00	537.25

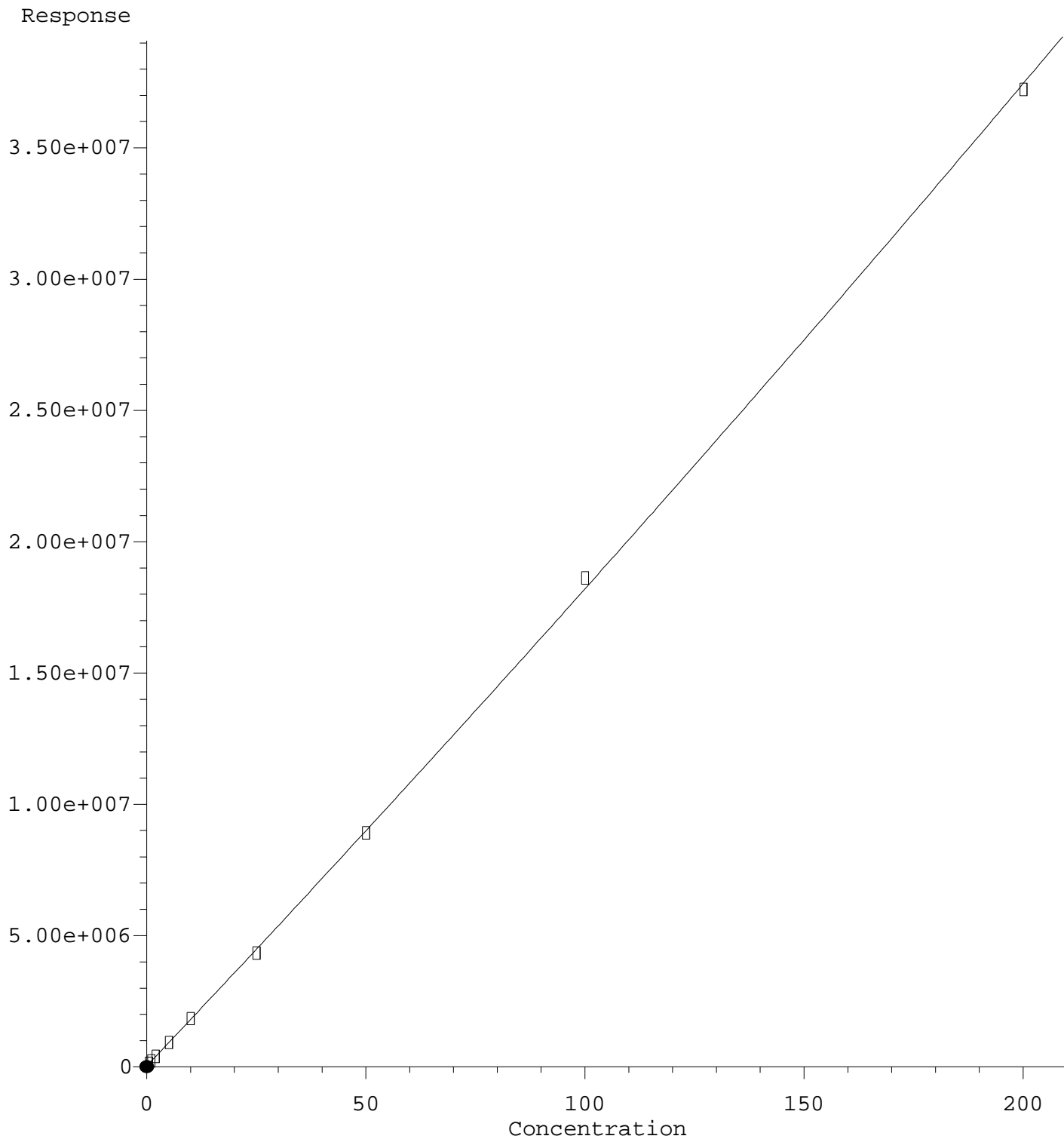
CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1E13026

Toxaphene (Total) [2C]	200	500	537.25	0.00	537.25
Toxaphene (Total)	75	500	544.07	0.00	544.07
Toxaphene (Total)	200	500	544.07	0.00	544.07
Toxaphene (Total)	75	500	544.07	0.00	544.07
Toxaphene (Total)	75	500	544.07	0.00	544.07
Toxaphene (Total)	200	500	544.07	0.00	544.07
Toxaphene (Total)	200	500	544.07	0.00	544.07
Toxaphene (Total)	75	500	544.07	0.00	544.07
Toxaphene (Total)	75	500	544.07	0.00	544.07
Toxaphene (Total)	75	500	544.07	0.00	544.07
Toxaphene (Total)	75	500	544.07	0.00	544.07
Toxaphene (Total)	200	500	544.07	0.00	544.07
Toxaphene (Total)	19	500	544.07	0.00	544.07
Toxaphene (Total)	200	500	544.07	0.00	544.07

Initial Results for any compounds listed above have Element Calculated Results that are different than the Instrument results, once recalculated.

cis-Chlordane

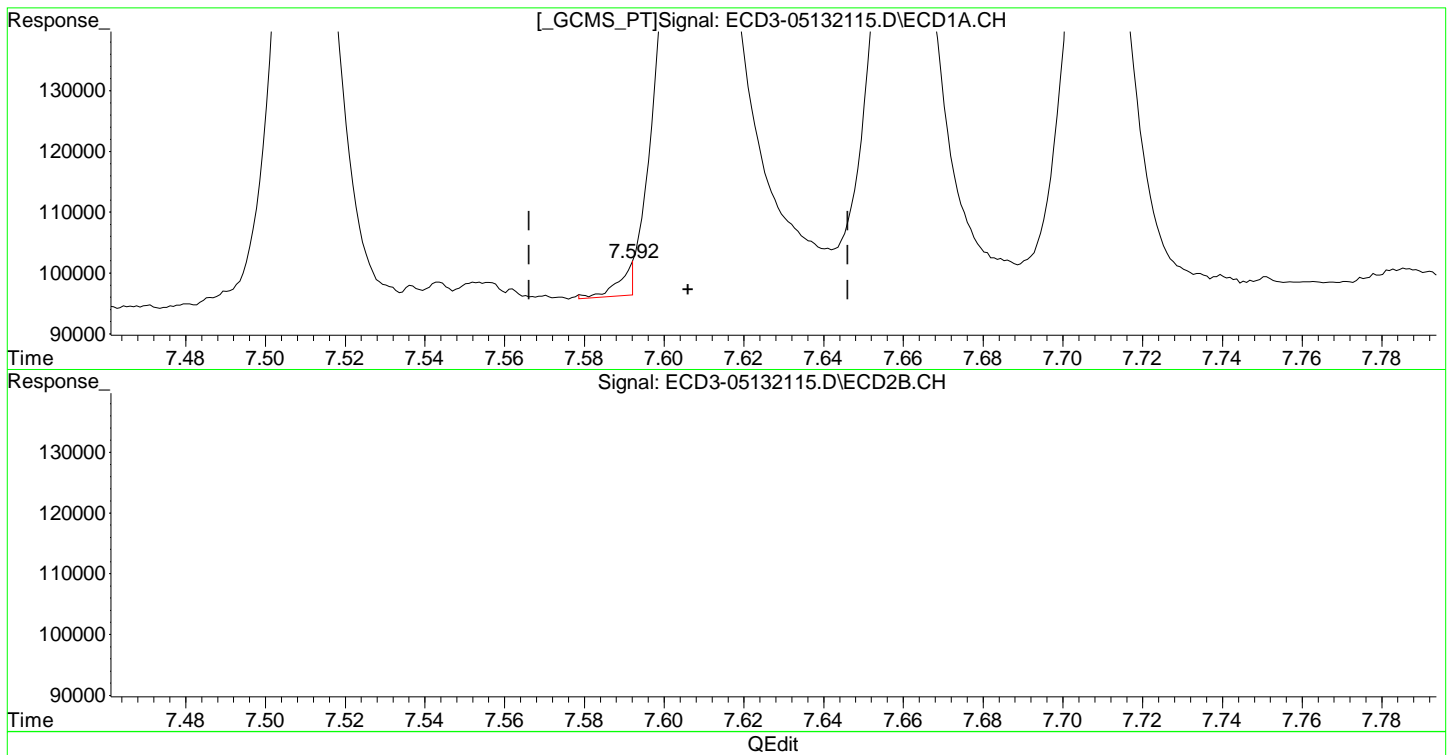


R = 5.47e+001 A*A + 1.76e+005 A + 4.12e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:34
Operator : MJB
Sample : 1E13026-CAL1
Misc : A21E230, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

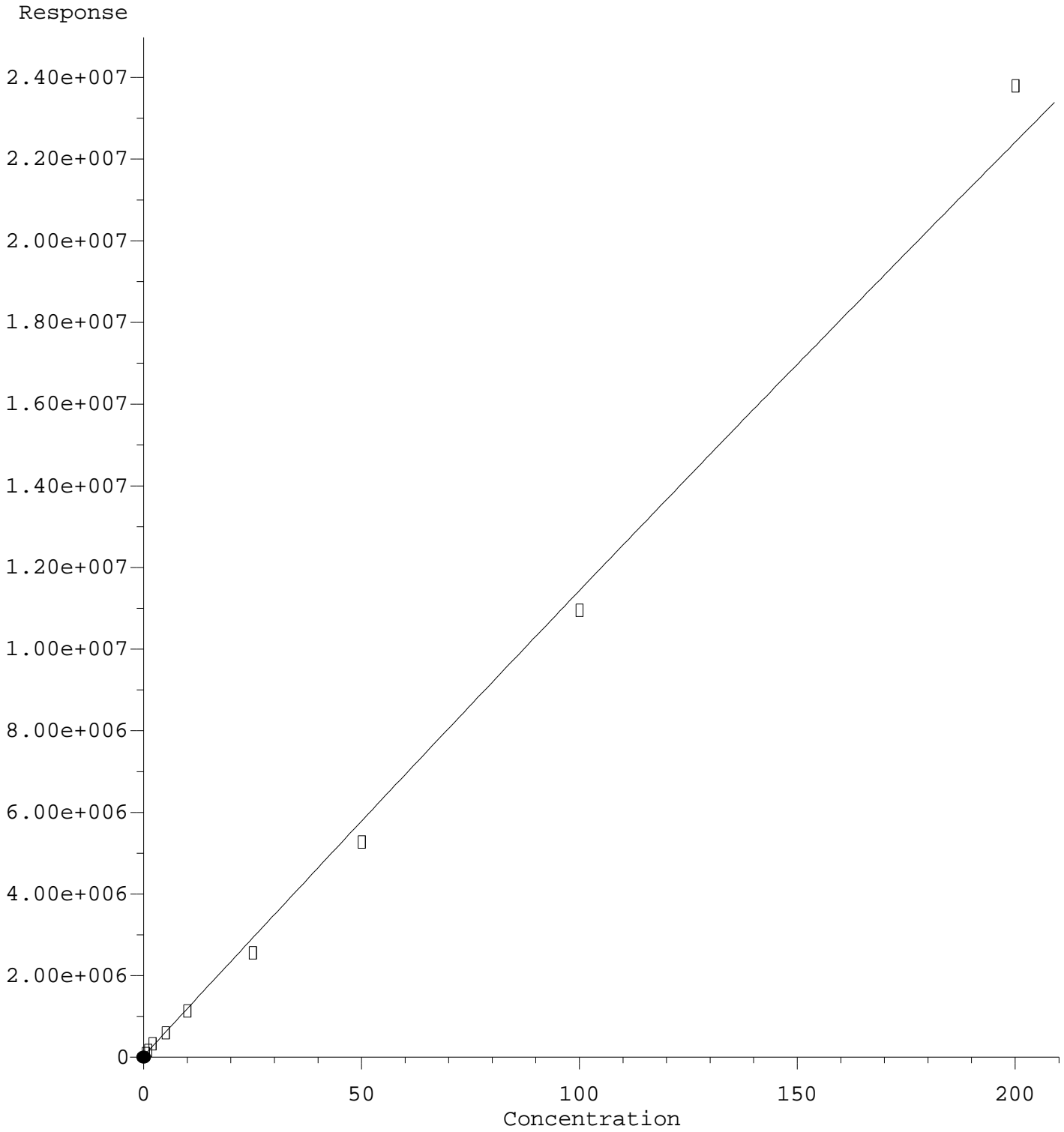
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:24:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(10) cis-Chlordane
7.592min -0.204 ng/mL m
response 5341

(10) cis-Chlordane #2
8.052min 0.594 ng/mL
response 65277

Endrin Aldehyde



$$R = -2.01e+001 A^2 + 1.16e+005 A + 3.80e+004$$

Coef of Det (r^2) = 0.977 Curve Fit: Quadratic w($1/a^2$)

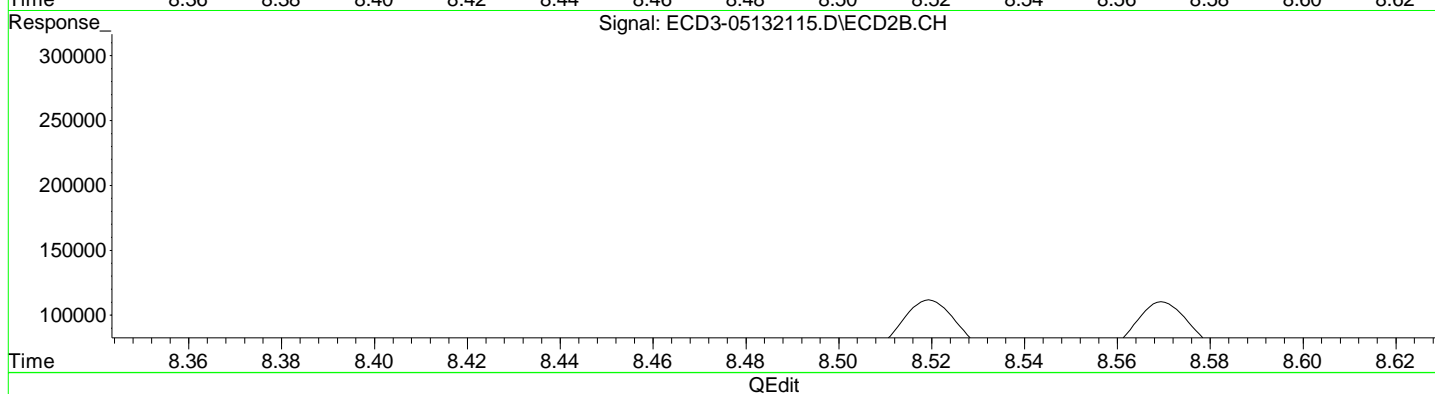
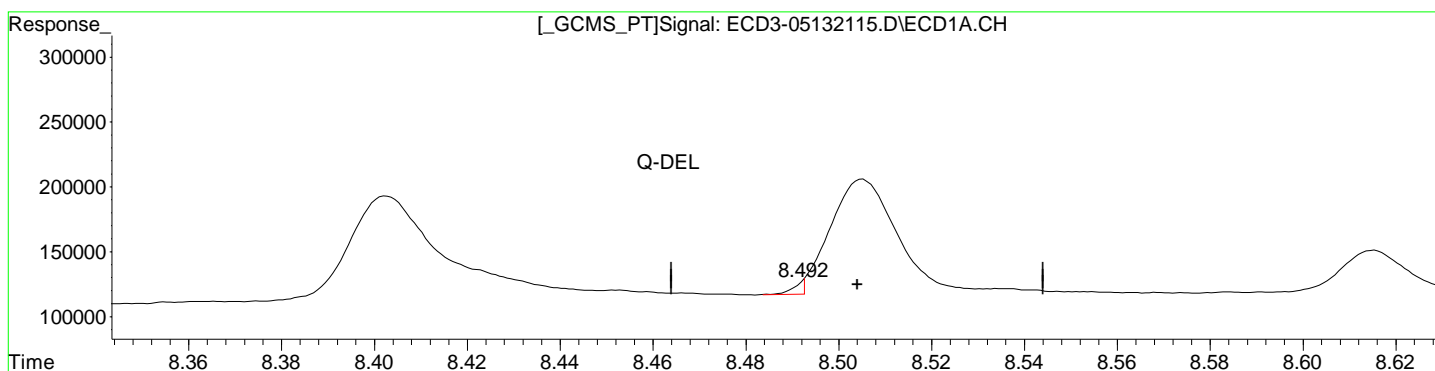
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:34
Operator : MJB
Sample : 1E13026-CAL1
Misc : A21E230, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

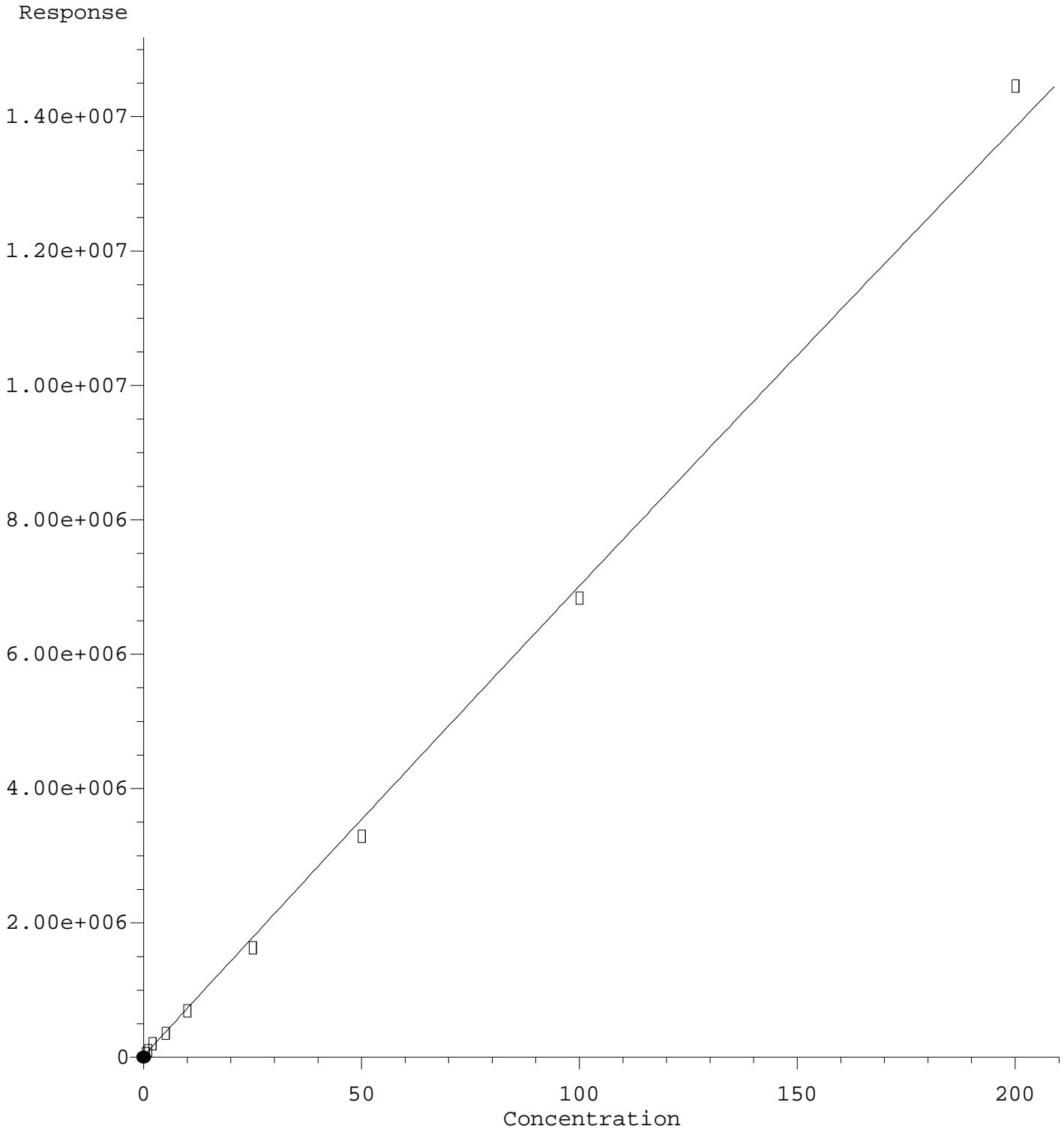
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:24:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(18) Endrin Aldehyde
~~8.492min 5773.504 ng/mL m~~
response ~~9485~~

(18) Endrin Aldehyde #2
8.902min 0.448 ng/mL
response 55097

Endrin Aldehyde #2



$$R = -8.01e+000 A^2 + 7.07e+004 A + 2.34e+004$$

Coef of Det (r^2) = 0.981 Curve Fit: Quadratic w($1/a^2$)

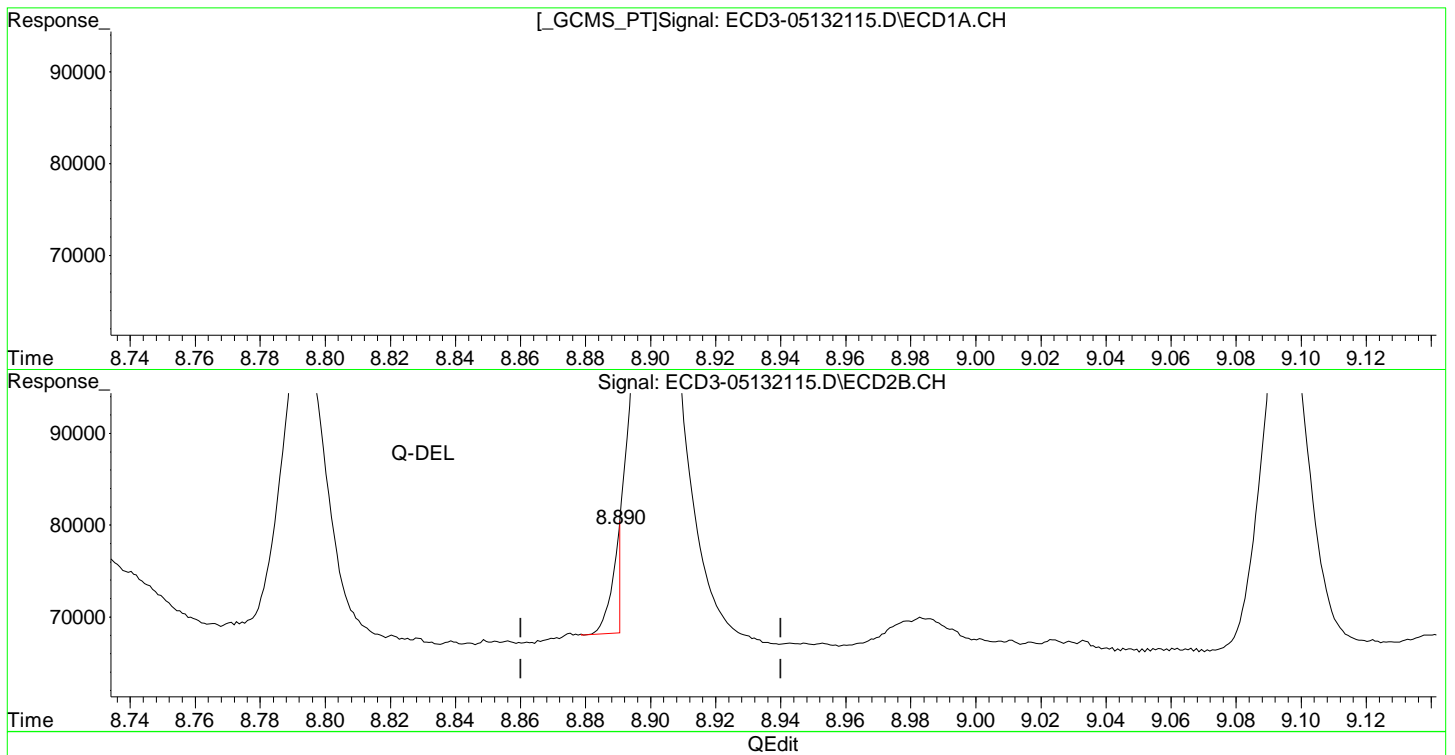
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:34
Operator : MJB
Sample : 1E13026-CAL1
Misc : A21E230, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:24:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

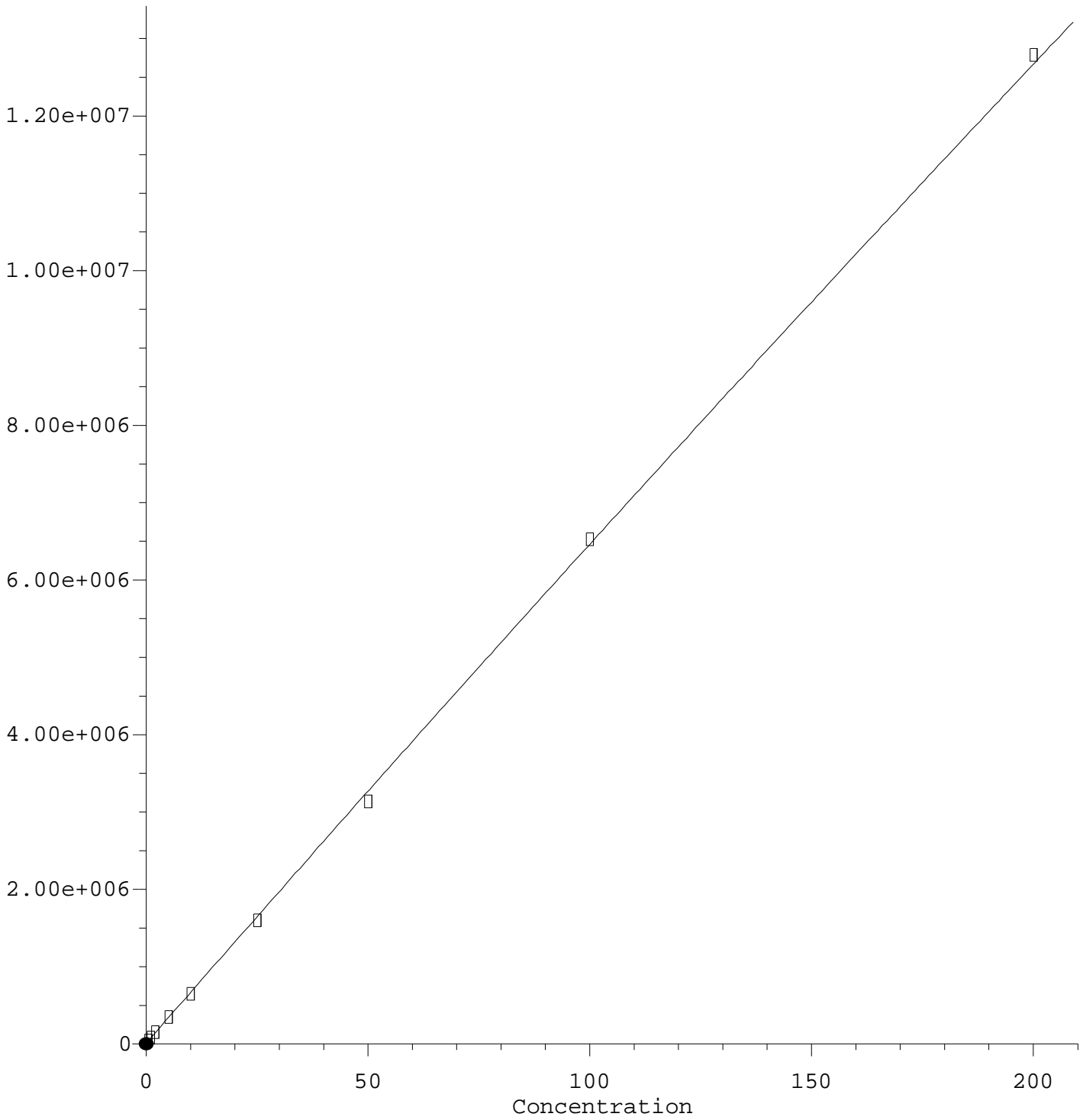


(18) Endrin Aldehyde
8.492min 5773.504 ng/mL m
response 9485

(18) Endrin Aldehyde #2
~~8.890min 8826.830 ng/mL m~~
response ~~11276~~

DCBP (S) #2

Response



$$R = -1.19e+001 A^2 + 6.57e+004 A + 1.41e+004$$

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

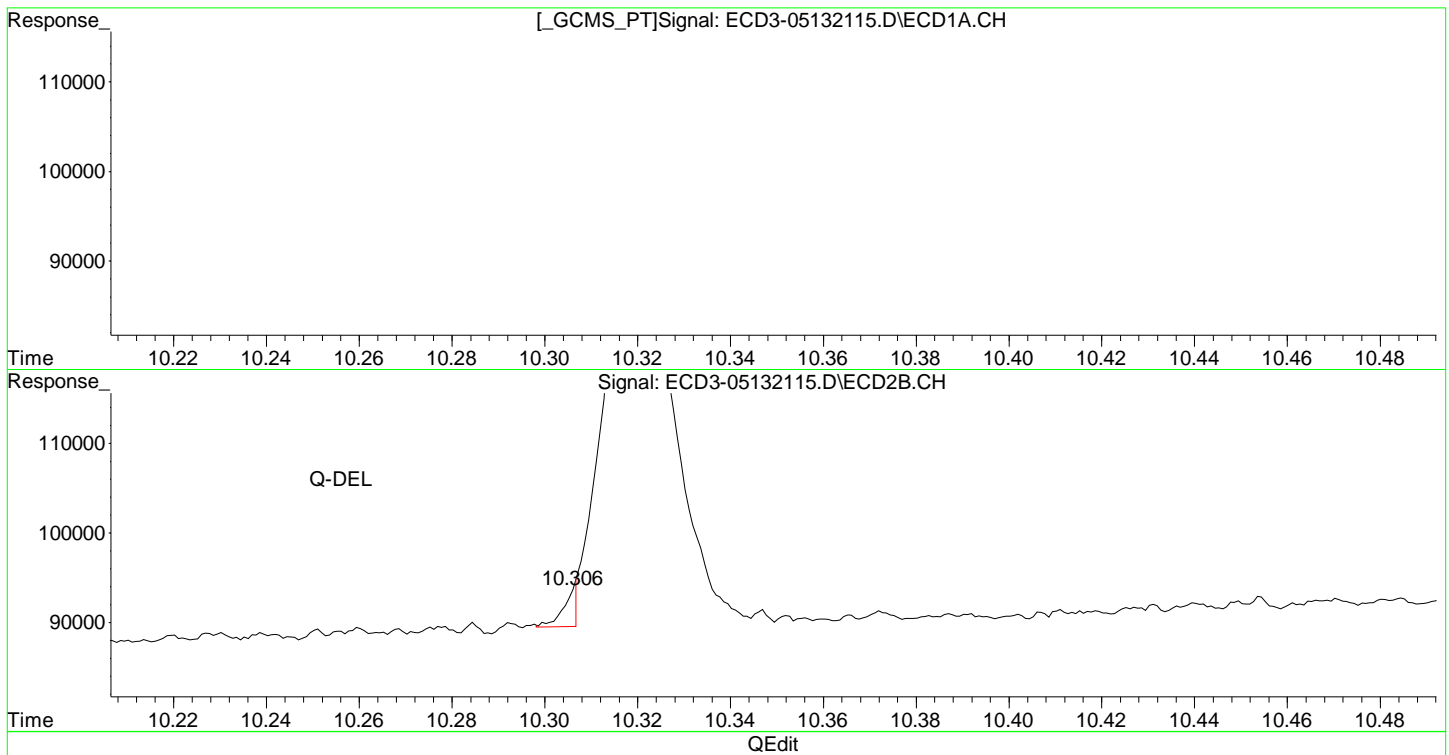
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:34
Operator : MJB
Sample : 1E13026-CAL1
Misc : A21E230, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:24:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

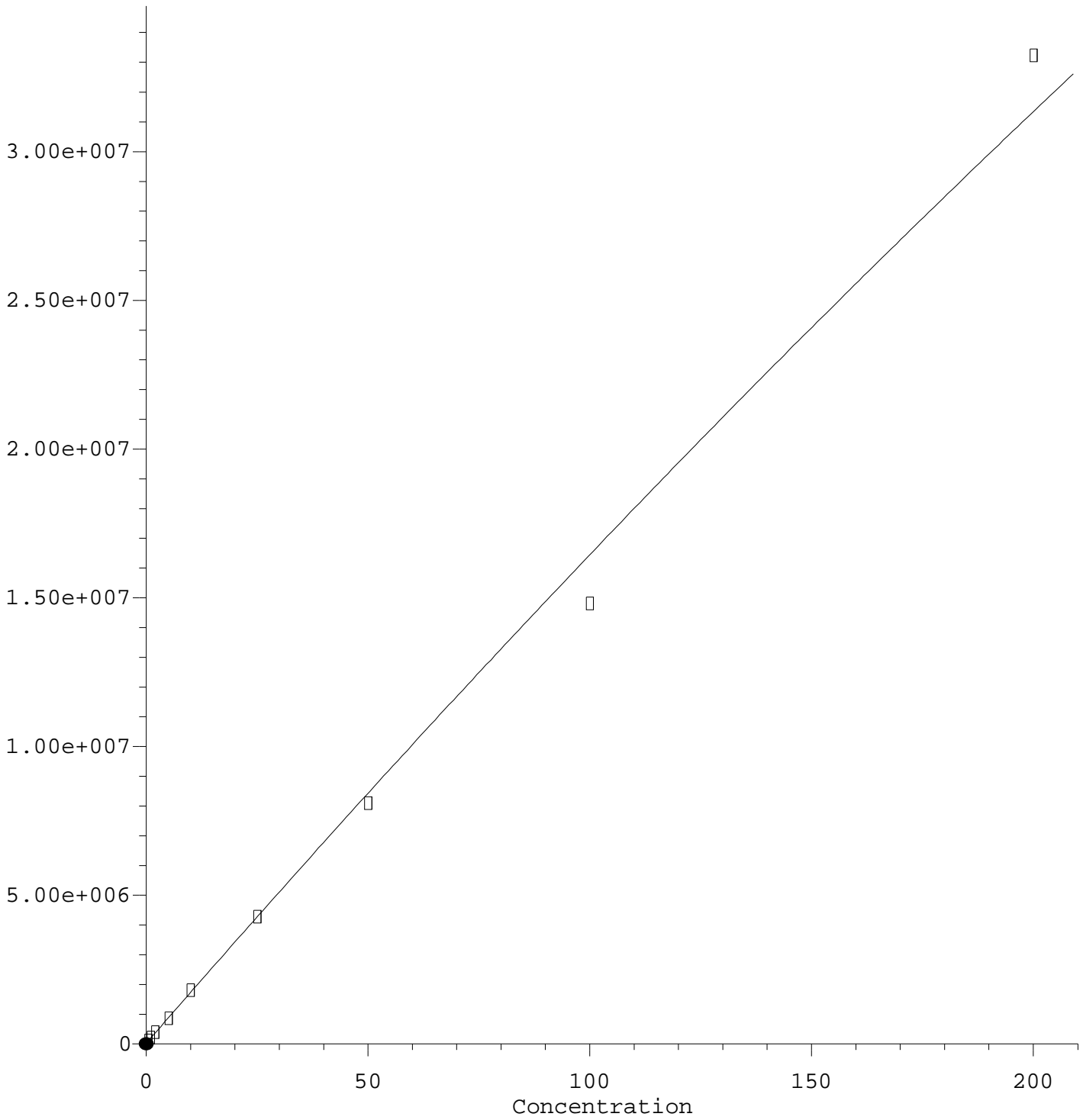


(22) DCBP (S) (S)
9.681min 3.419 ng/mL
response 446790

(22) DCBP (S) #2 (S)
~~10.306min 5536.515 ng/mL m-~~
response ~~4453~~

Hexachlorobutadiene

Response



$$R = -7.53e+001 A^2 + 1.72e+005 A + 3.25e+004$$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)

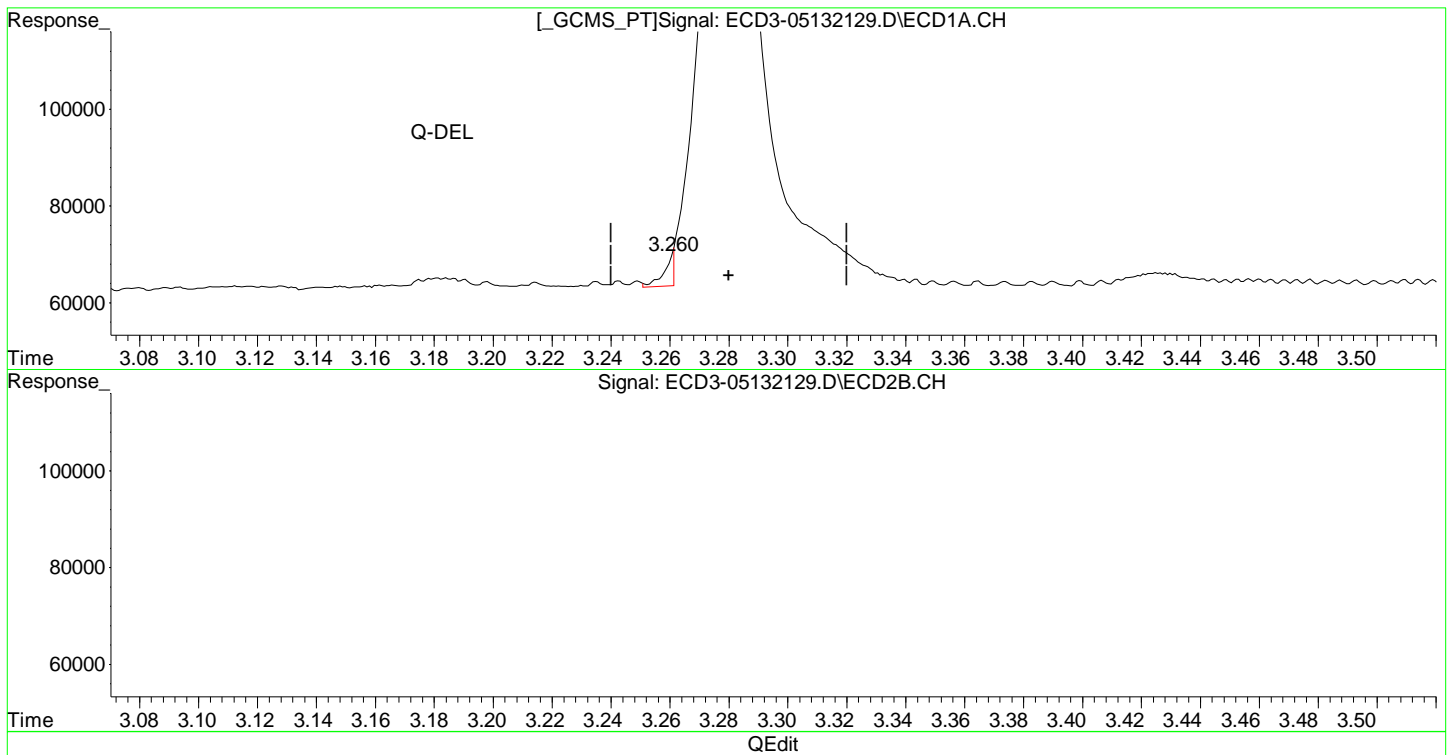
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

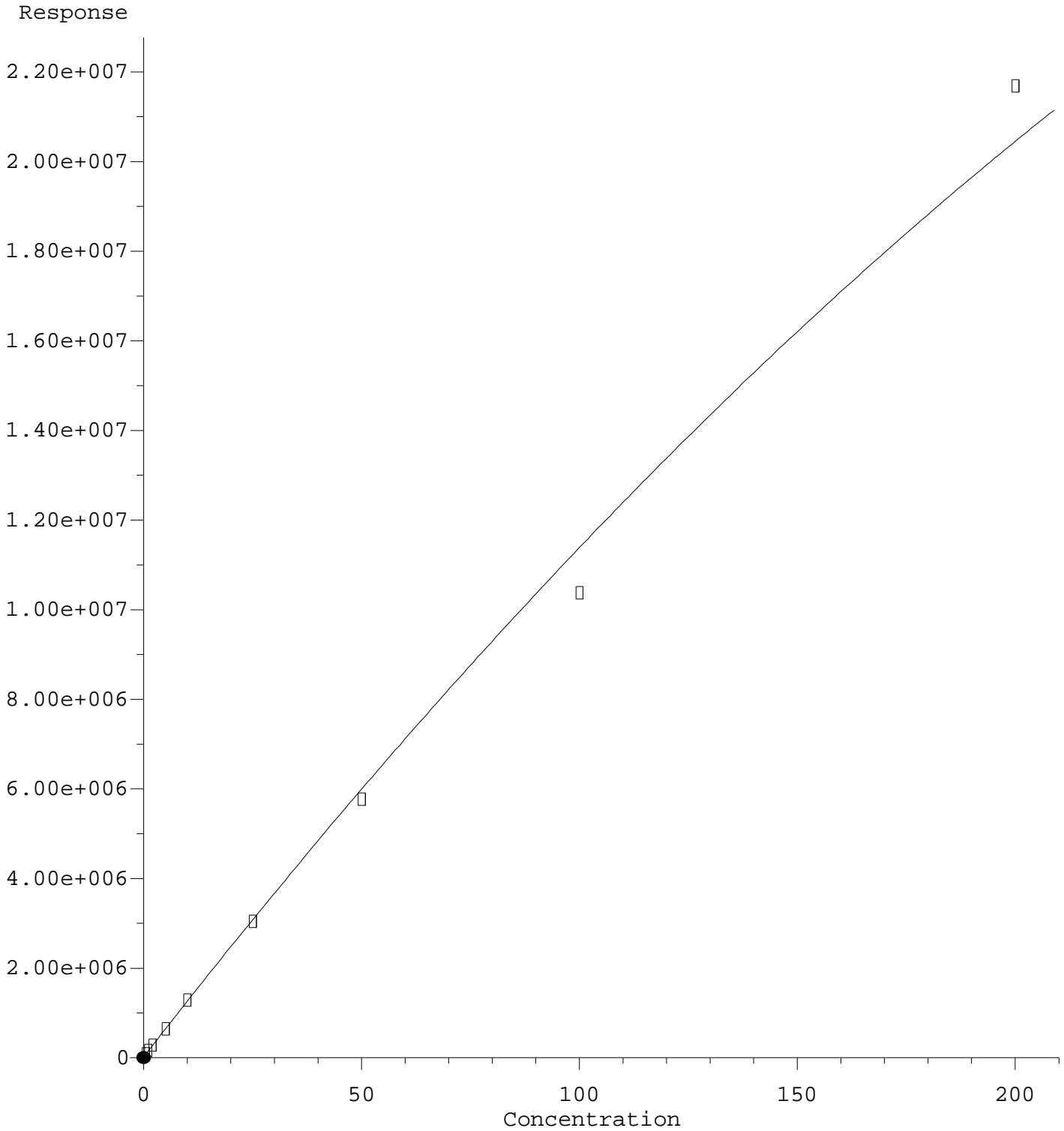
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(23) Hexachlorobutadiene
~~3.260min 2279.255 ng/mL m~~
response ~~6138~~

(23) Hexachlorobutadiene #2
3.545min 0.475 ng/mL
response 85857

Hexachlorobutadiene #2



$R = -1.14e+002 A^2 + 1.25e+005 A + 2.65e+004$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)

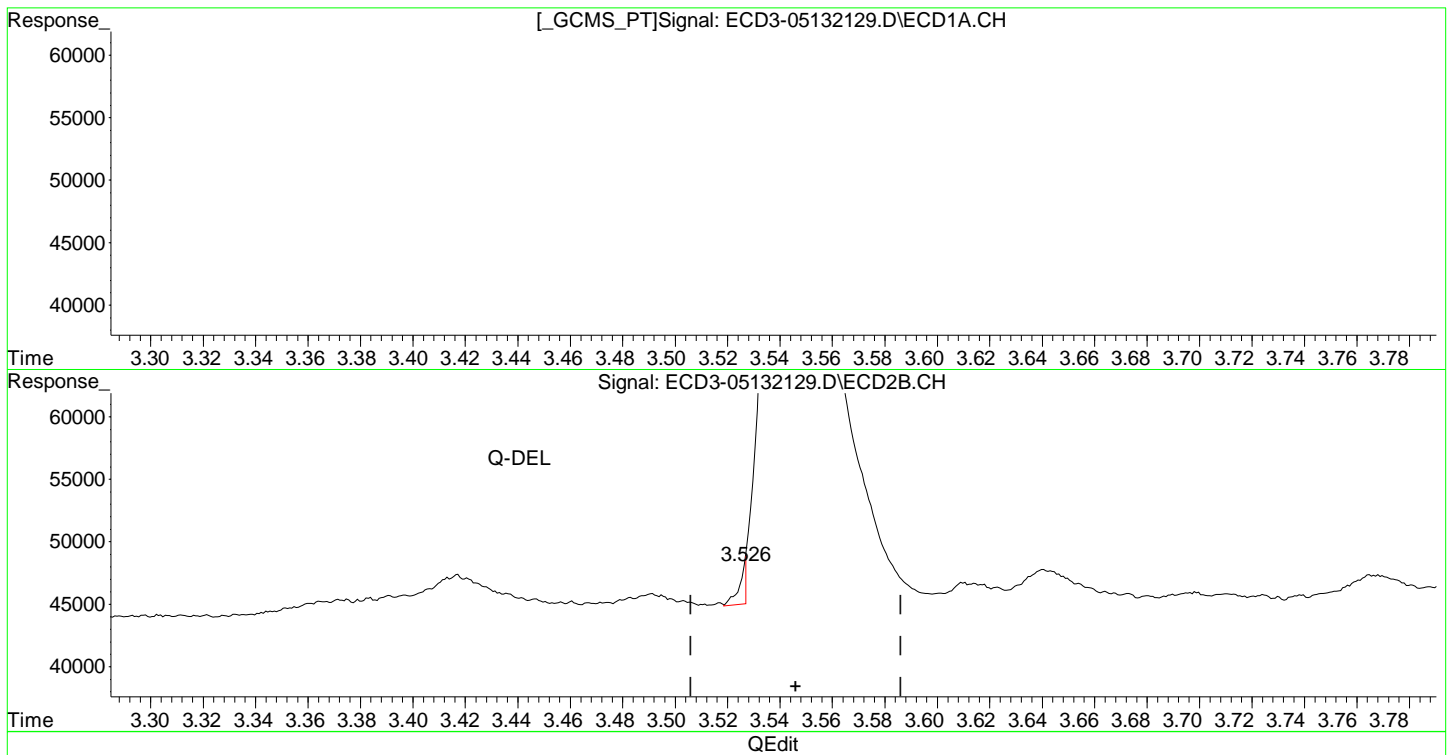
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

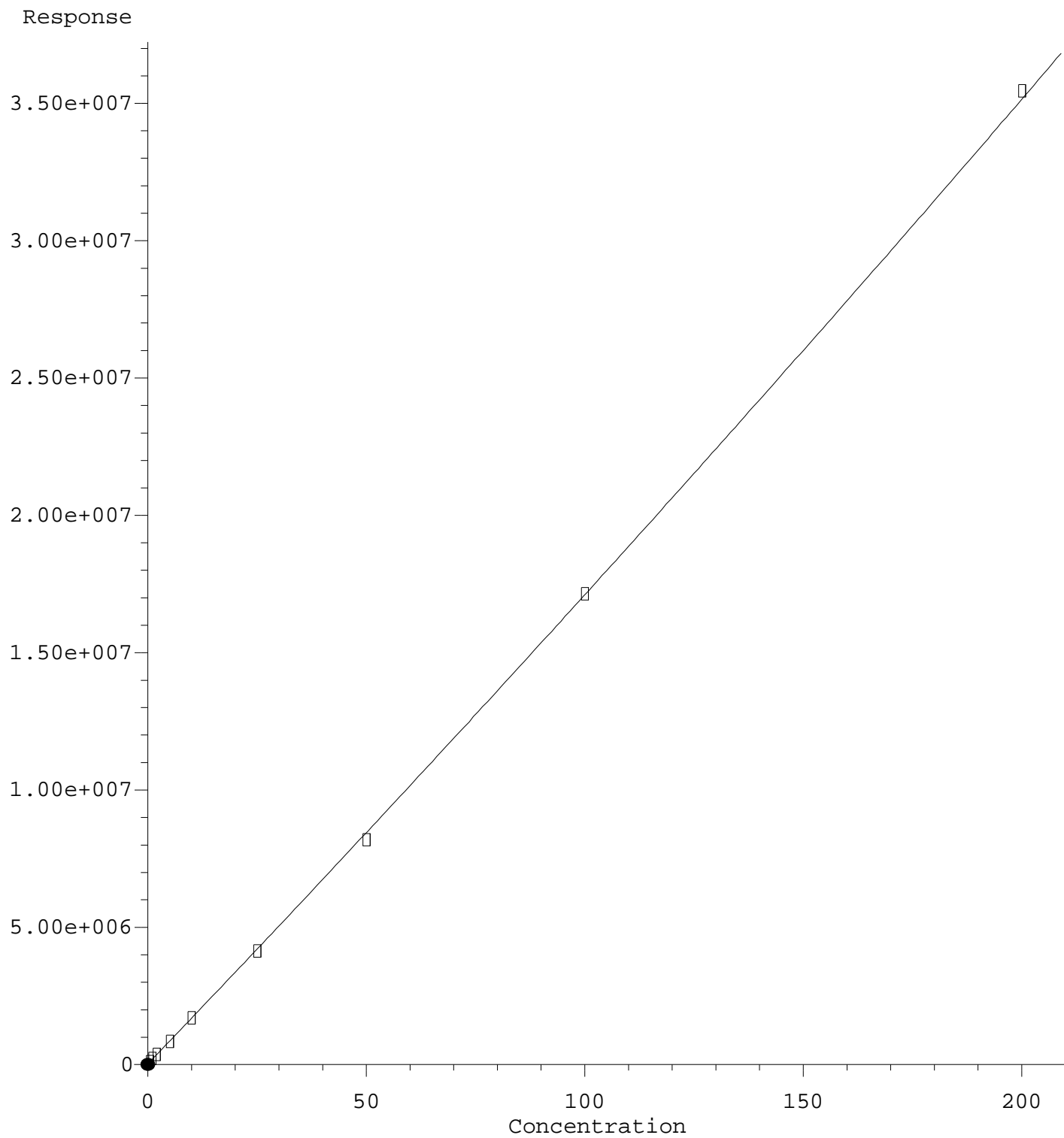
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(23) Hexachlorobutadiene
3.260min 2279.255 ng/mL m
response 6138

(23) Hexachlorobutadiene #2
~~3.526min 1092.572 ng/mL m~~
response ~~3092~~

Hexachlorobenzene



$$R = 4.91e+001 A^2 + 1.66e+005 A + 3.30e+004$$

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

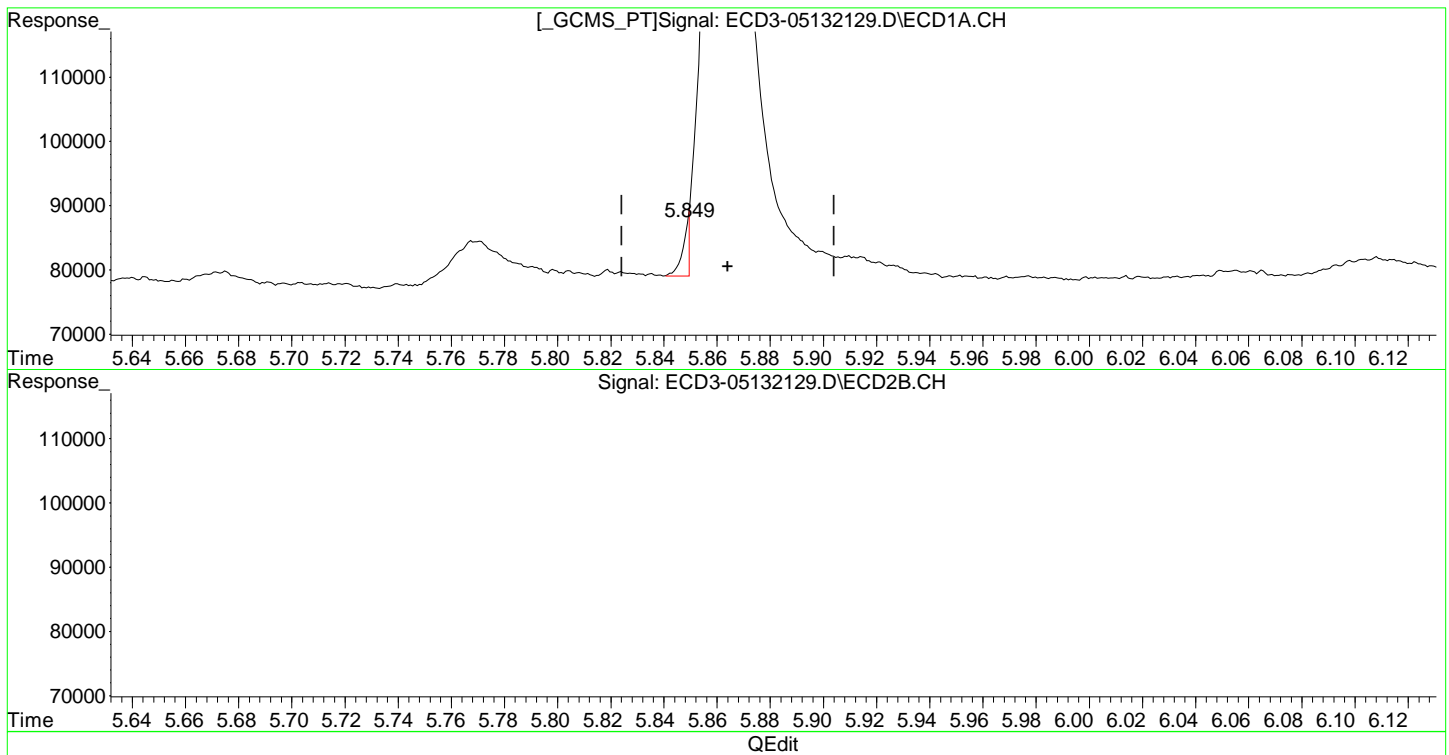
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

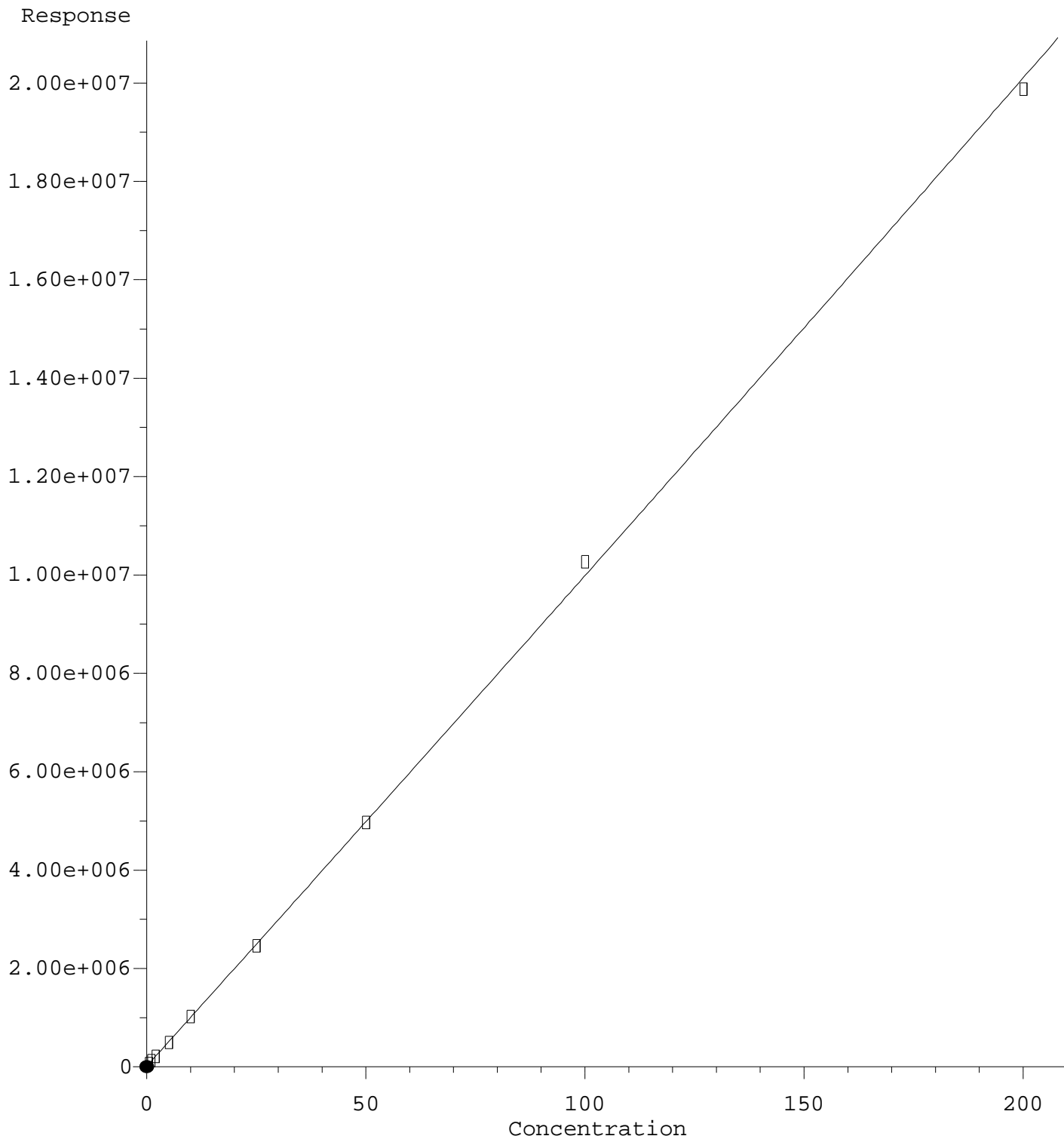
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(24) Hexachlorobenzene
5.849min -0.148 ng/mL m
response 8371

(24) Hexachlorobenzene #2
6.291min 0.487 ng/mL
response 66822

Hexachlorobenzene #2

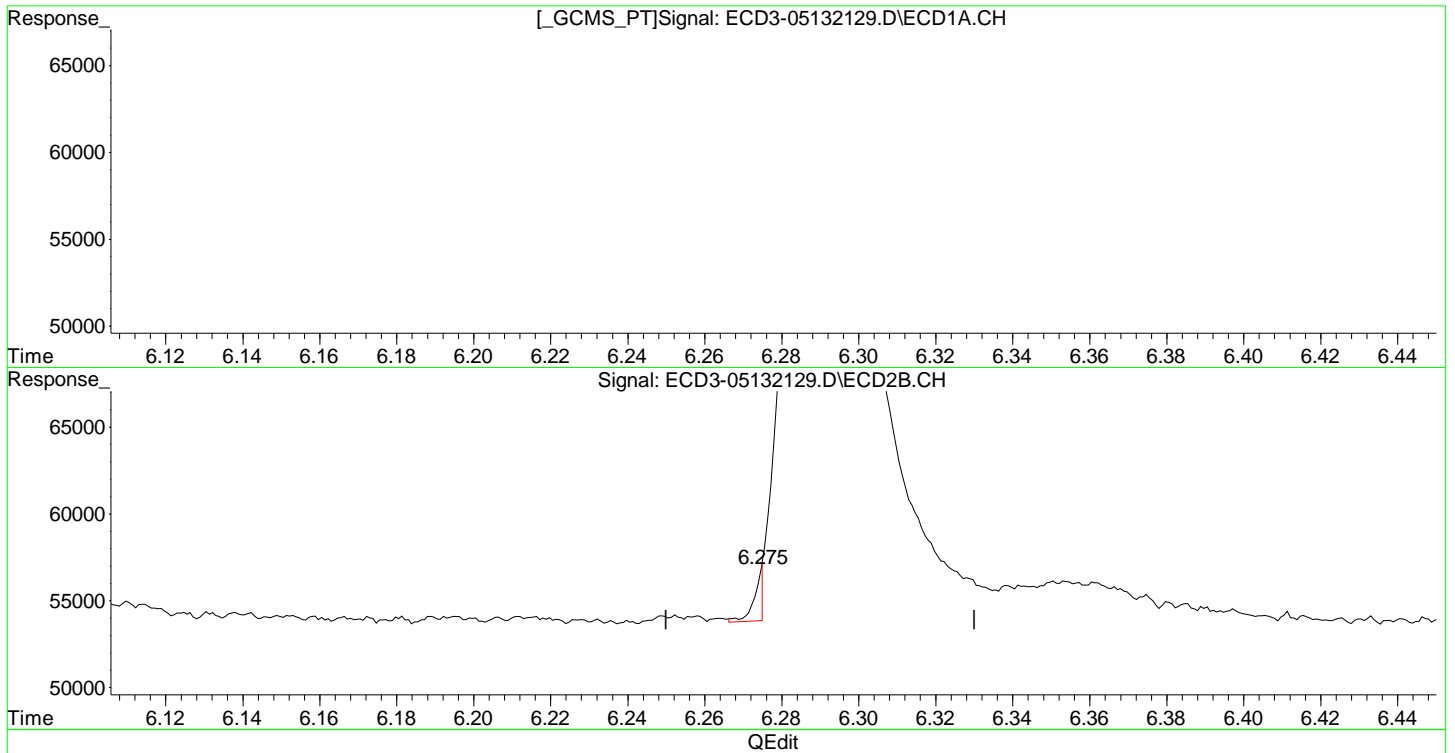


R = 8.04e+000 A*A + 9.88e+004 A + 1.86e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

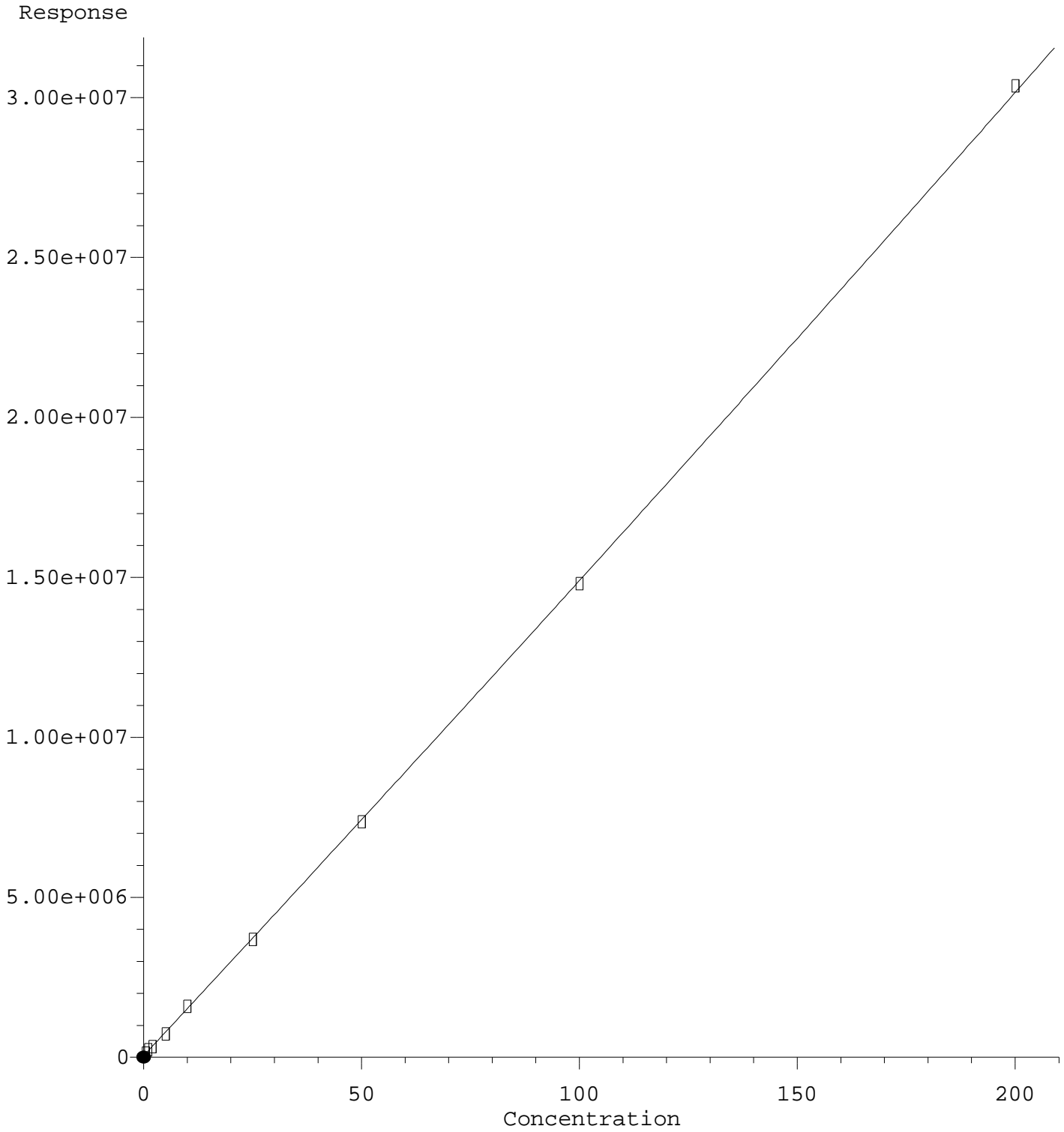
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(24) Hexachlorobenzene
5.849min -0.148 ng/mL m
response 8371

(24) Hexachlorobenzene #2
6.275min -0.158 ng/mL m
response 3008

Oxychlorthane

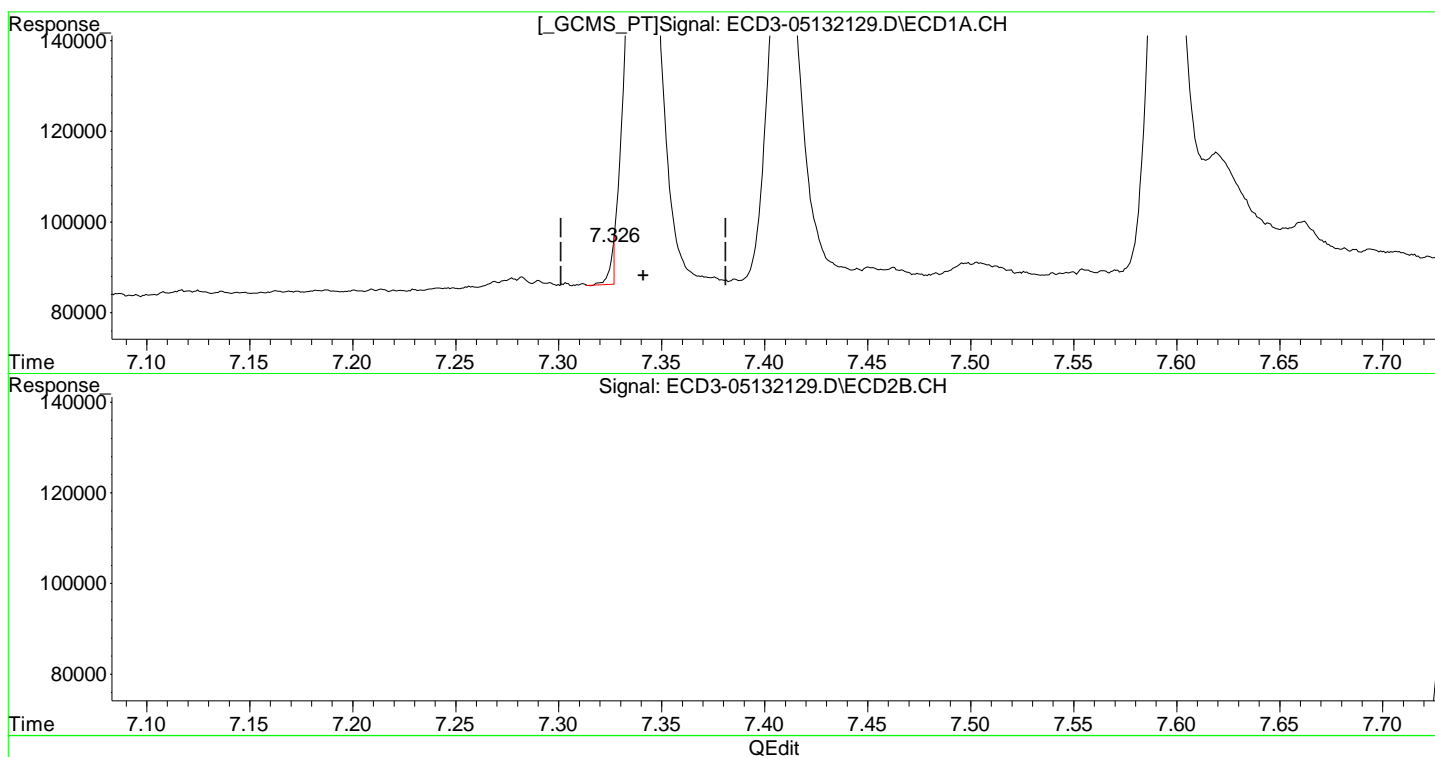


$R = 2.14e+001 A^2 + 1.46e+005 A + 5.96e+004$
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

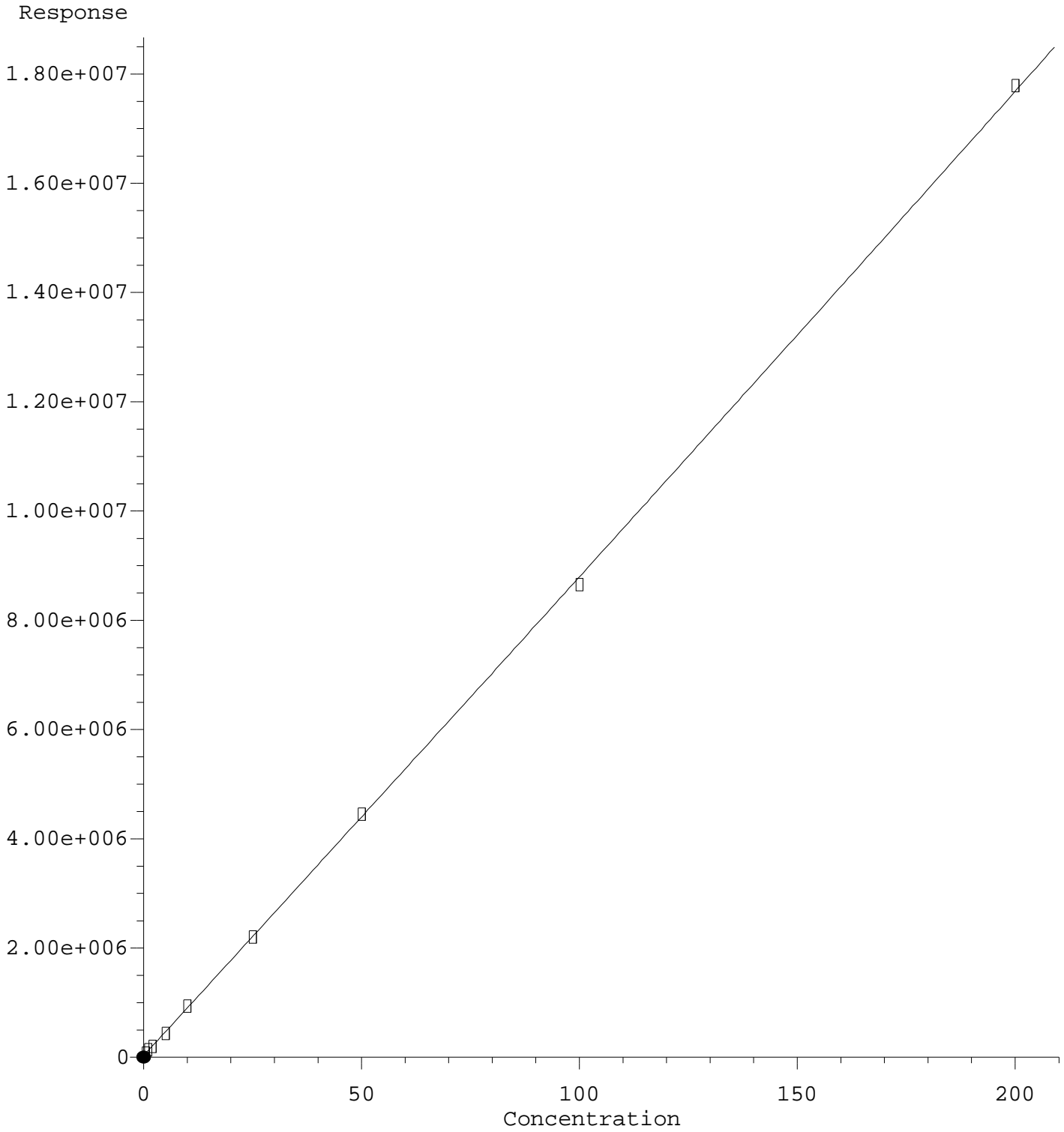
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(25) Oxychlordane
7.326min -0.351 ng/mL m
response 8173

(25) Oxychlordane #2
7.736min 0.464 ng/mL
response 76256

Oxychlorthane #2

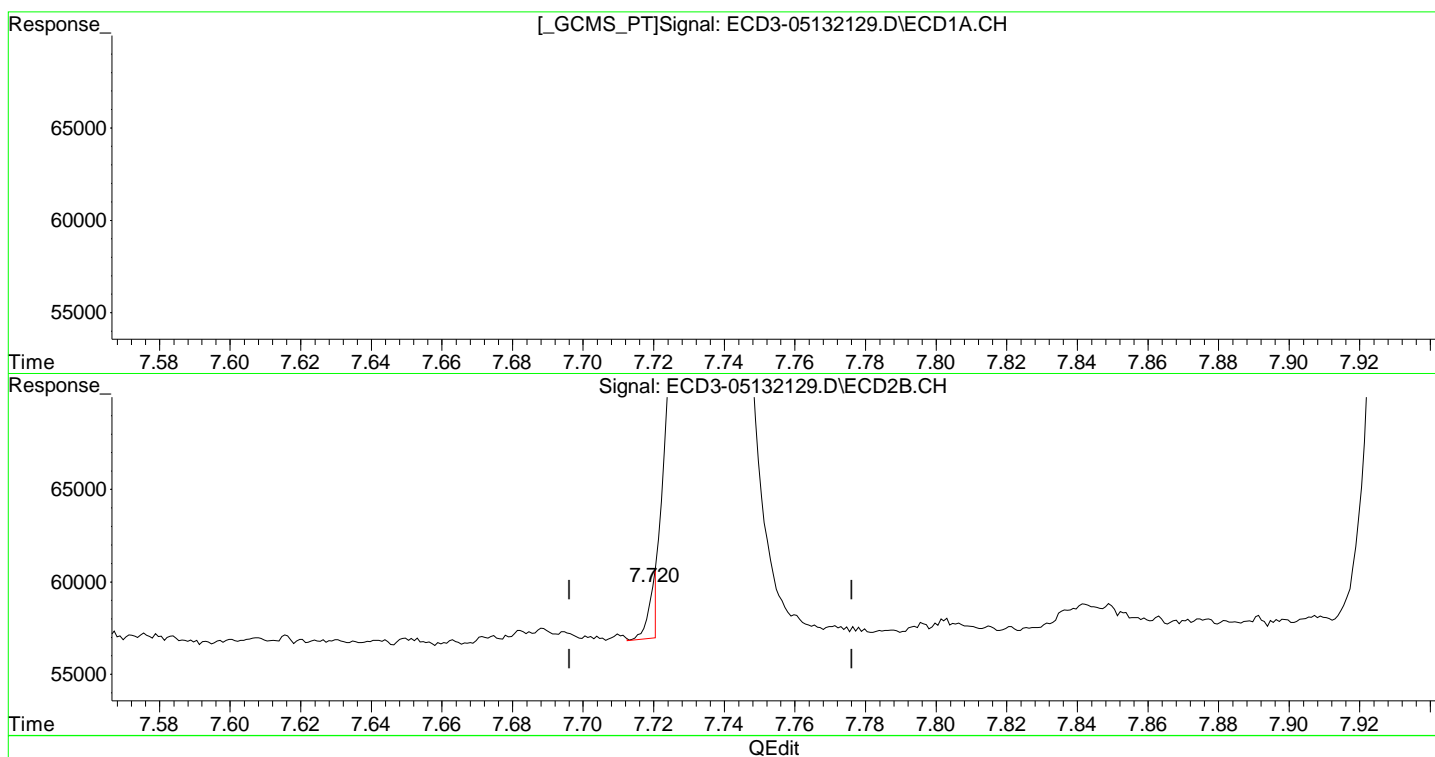


R = 6.77e+000 A*A + 8.69e+004 A + 3.59e+004
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

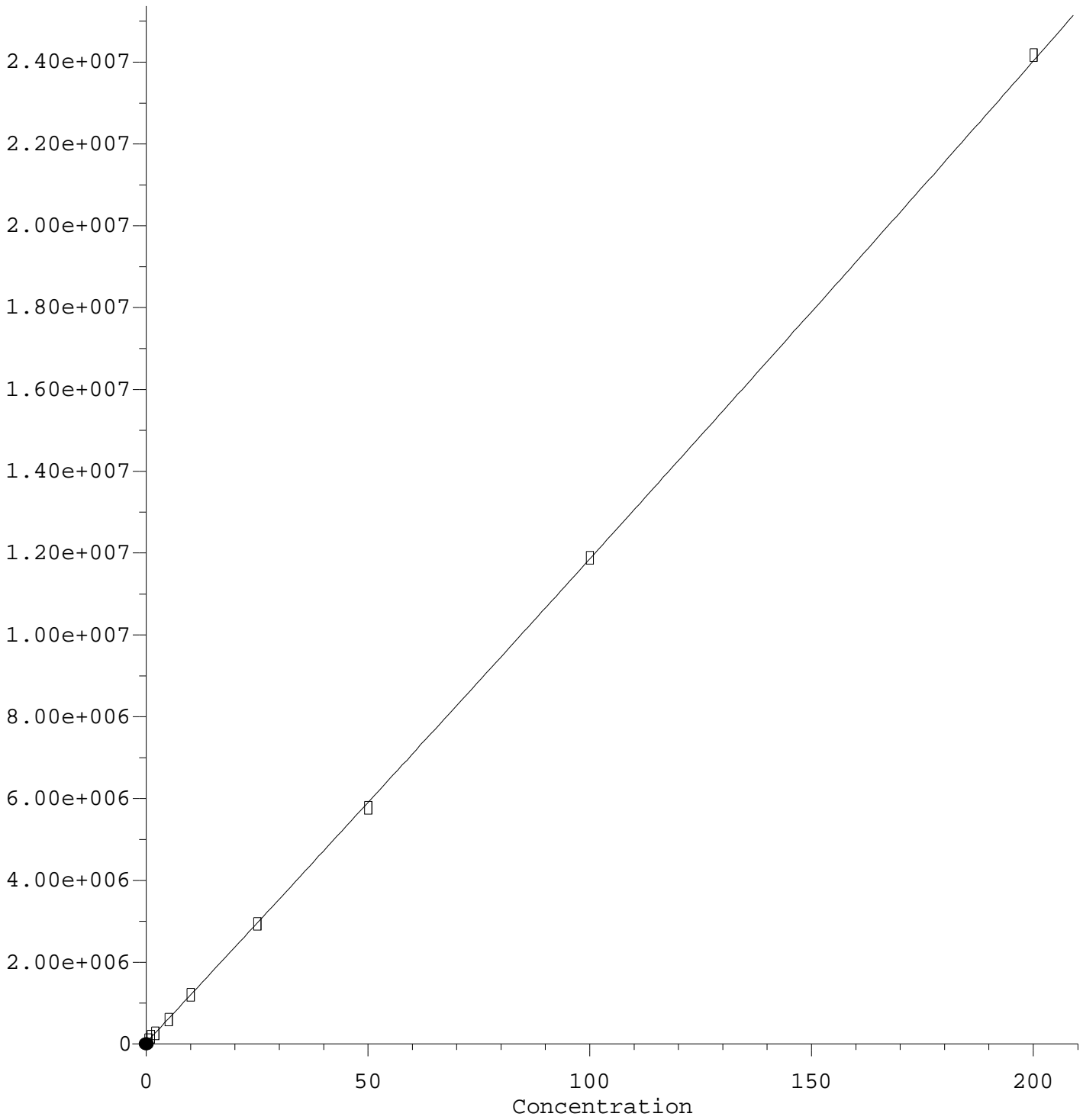


(25) Oxychlordane
7.326min -0.351 ng/mL m
response 8173

(25) Oxychlordane #2
7.720min -0.381 ng/mL m
response 2769

2,4'-DDE

Response



$$R = 1.80e+001 A^2 + 1.16e+005 A + 3.80e+004$$

Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w($1/a^2$)

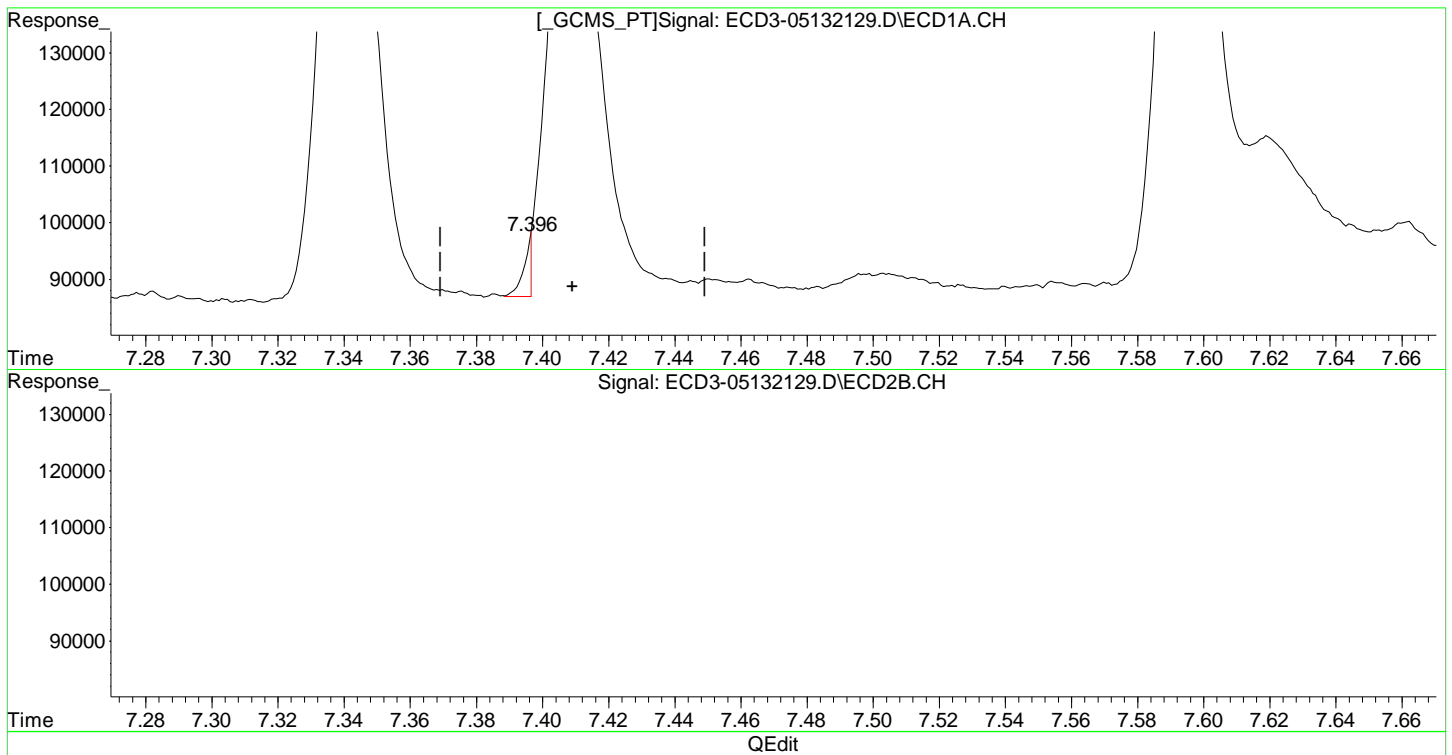
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

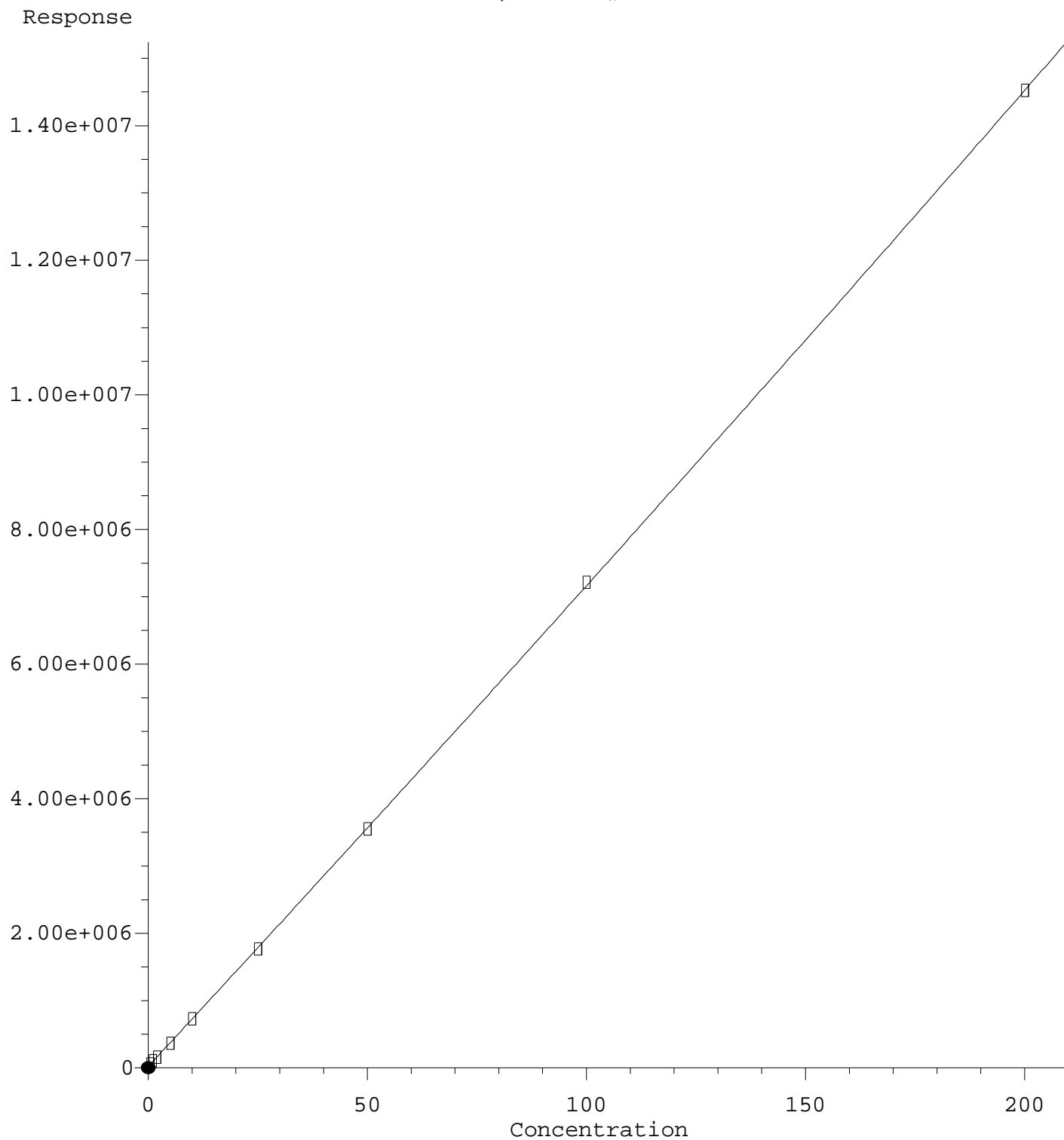
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.396min -0.234 ng/mL m
response 10753

(26) 2,4'-DDE #2
7.933min 0.466 ng/mL
response 58102

2,4'-DDE #2

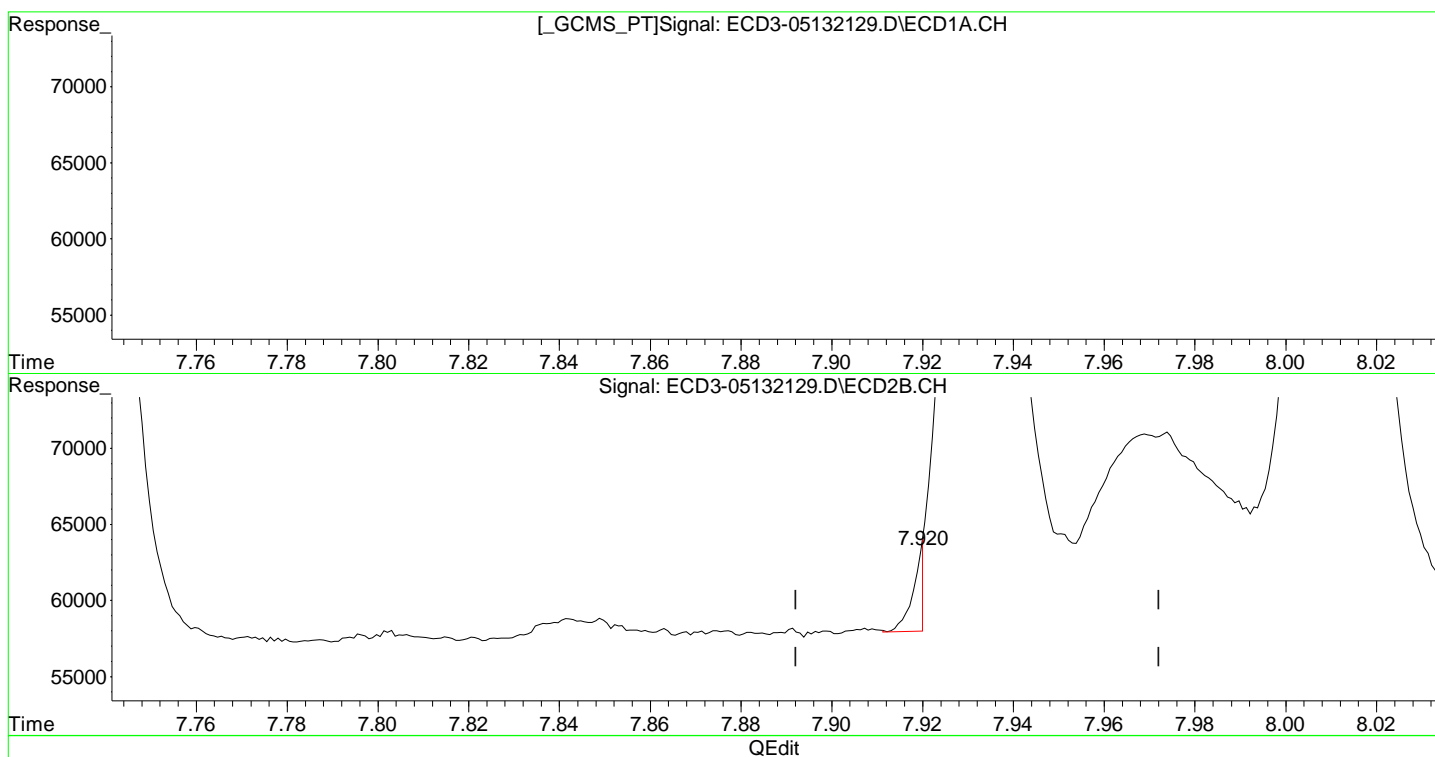


$R = 1.15e+001 A^2 + 7.02e+004 A + 2.54e+004$
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

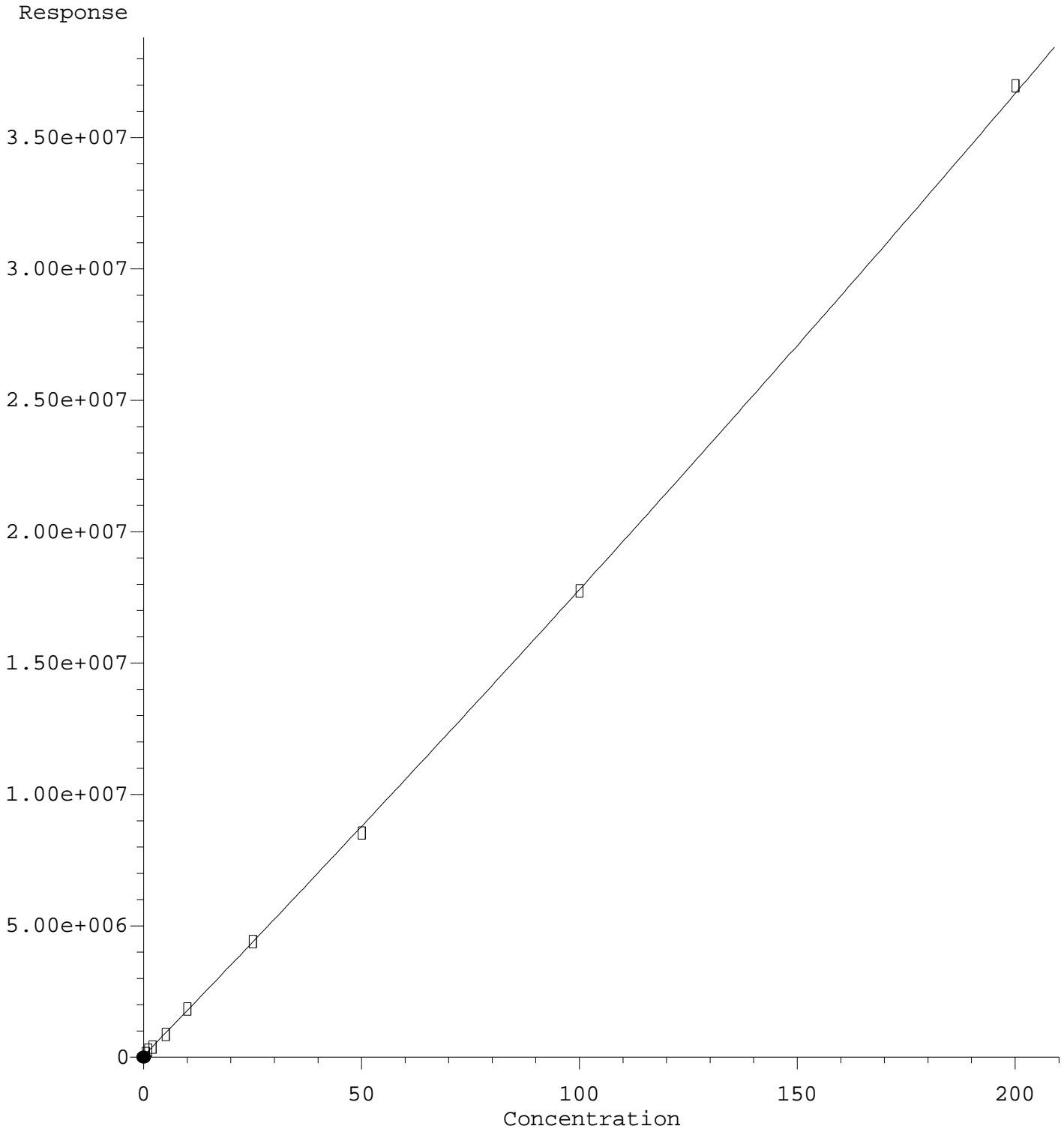
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.396min -0.234 ng/mL m
response 10753

(26) 2,4'-DDE #2
7.920min -0.286 ng/mL m
response 5351

trans-Nonachlor

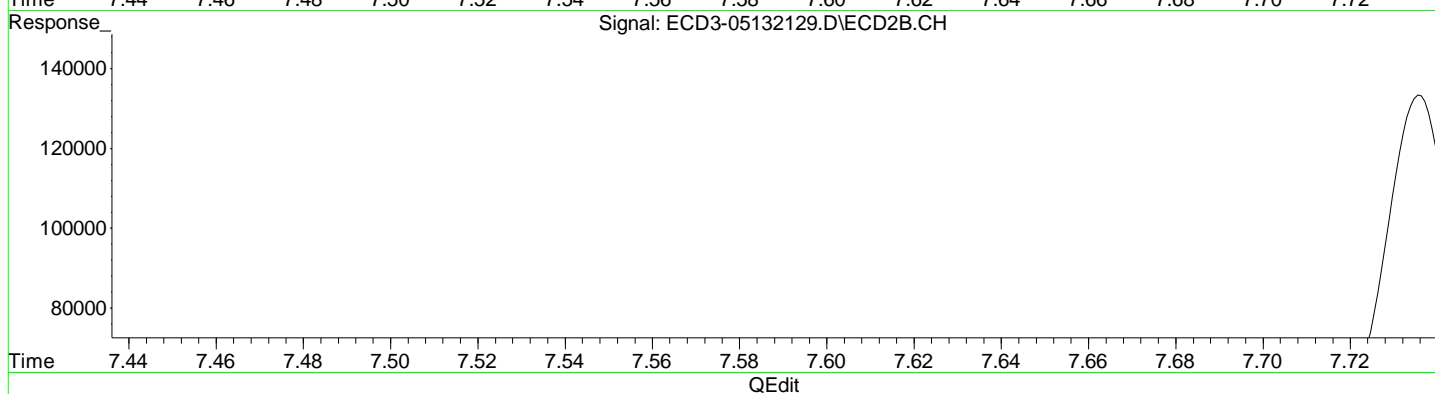
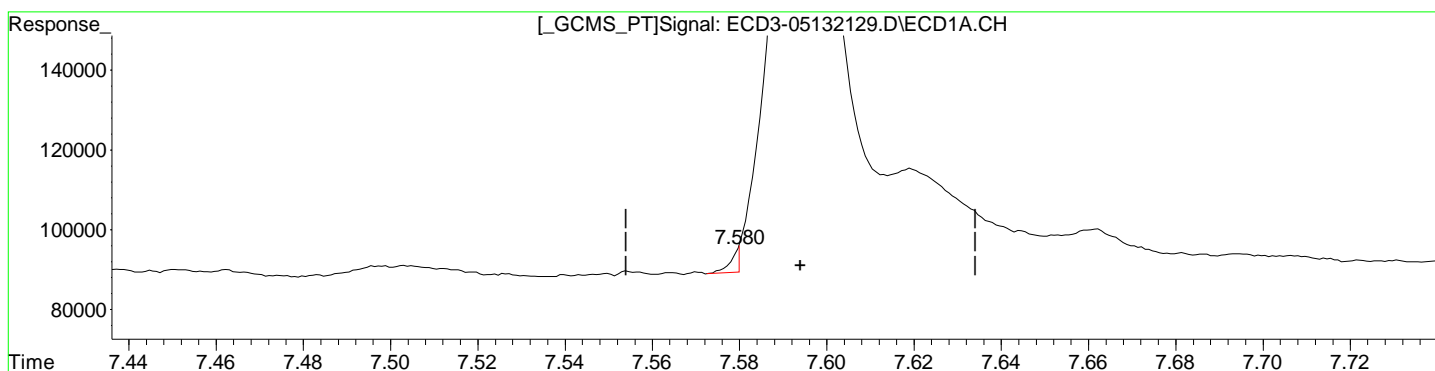


R = 5.81e+001 A*A + 1.71e+005 A + 6.46e+004
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

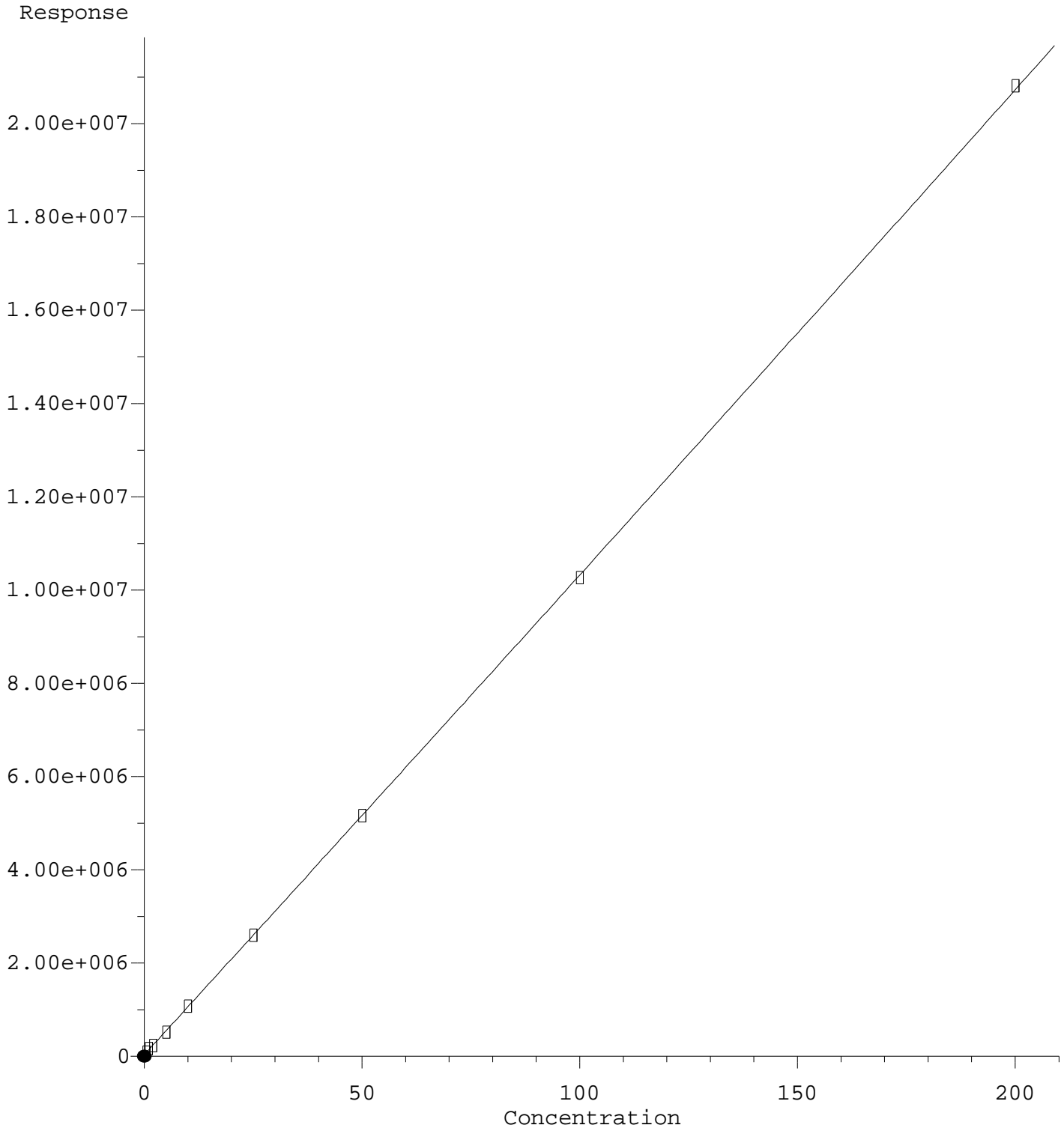
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(27) trans-Nonachlor
7.580min -0.342 ng/mL m
response 5991

(27) trans-Nonachlor #2
8.011min 0.461 ng/mL
response 90296

trans-Nonachlor #2

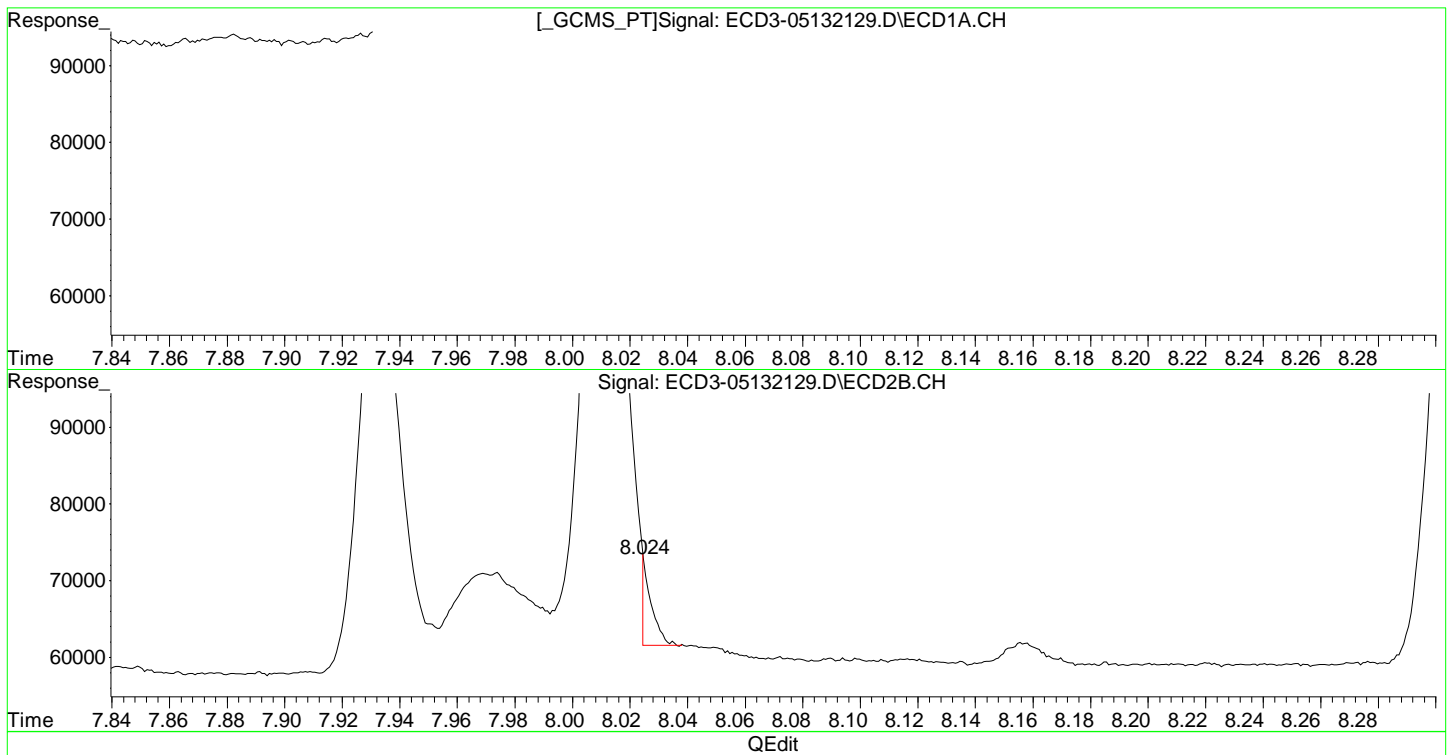


$R = 6.76e+000 A^2 + 1.02e+005 A + 4.33e+004$
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

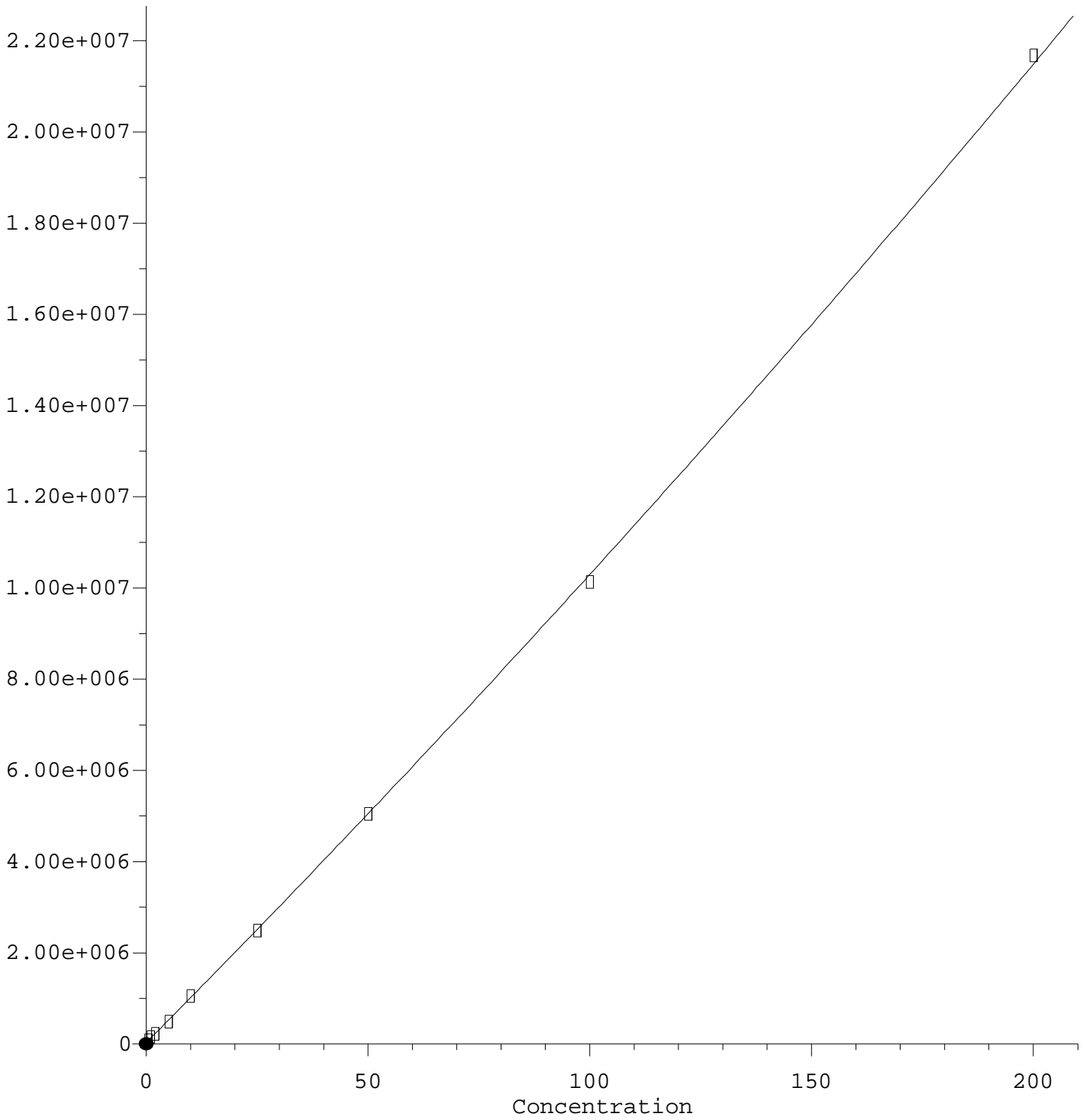


(27) trans-Nonachlor
7.580min -0.342 ng/mL m
response 5991

(27) trans-Nonachlor #2
8.024min -0.306 ng/mL m
response 11995

2,4'-DDD

Response



$$R = 4.70e+001 A^2 + 9.79e+004 A + 3.62e+004$$

Coef of Det (r^2) = 0.992 Curve Fit: Quadratic w($1/a^2$)

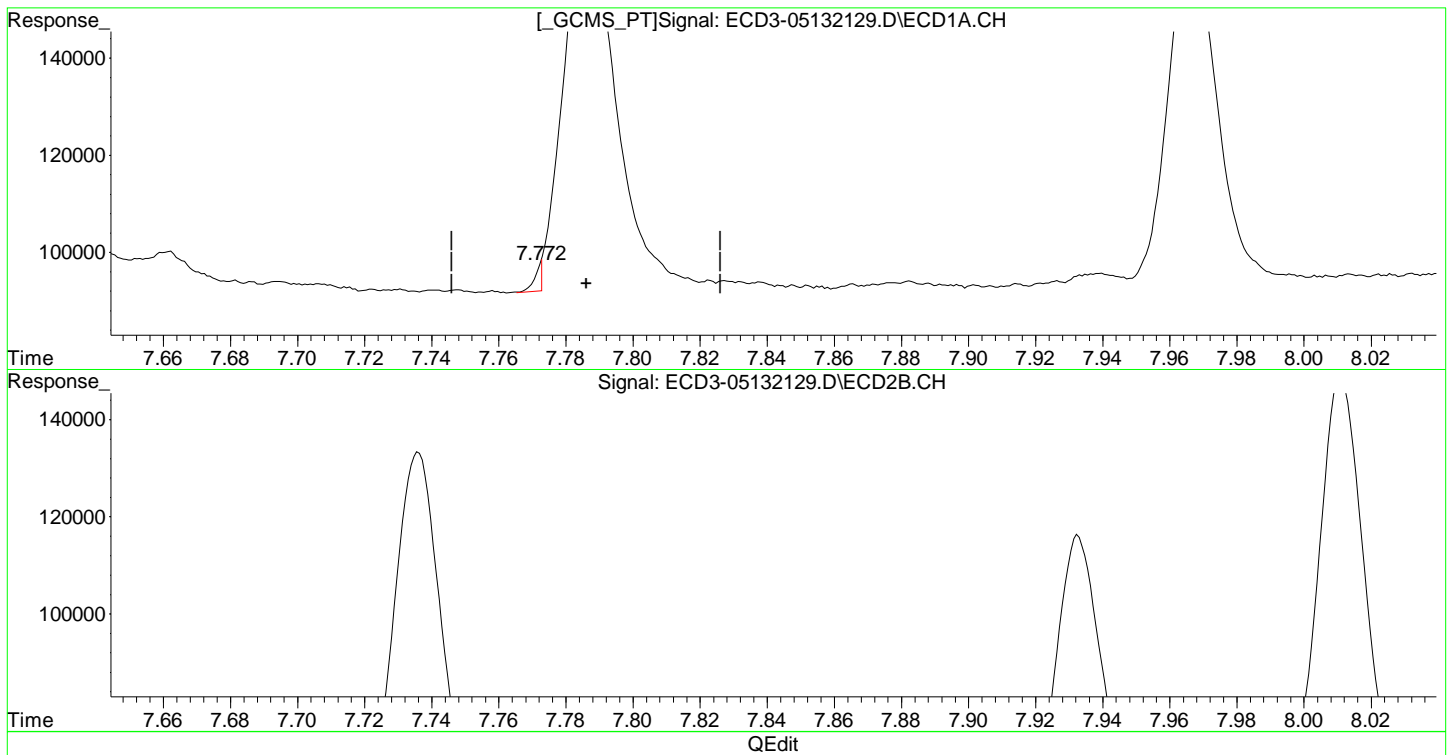
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

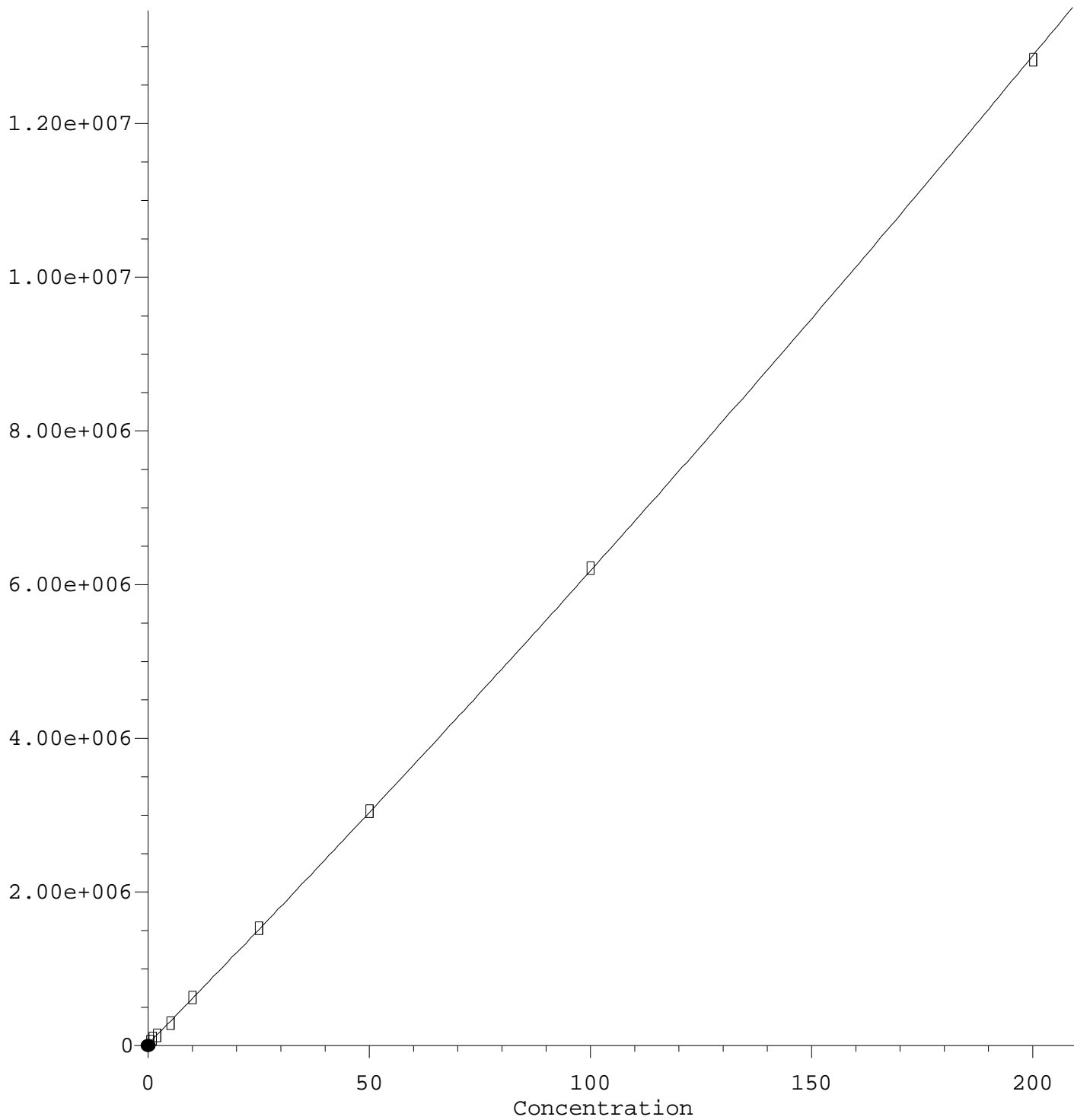


(28) 2,4'-DDD
7.772min -0.314 ng/mL m
response 5474

(28) 2,4'-DDD #2
8.304min 0.463 ng/mL
response 52260

2,4'-DDD #2

Response



$$R = 2.76e+001 A^2 + 5.88e+004 A + 2.51e+004$$

Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w($1/a^2$)

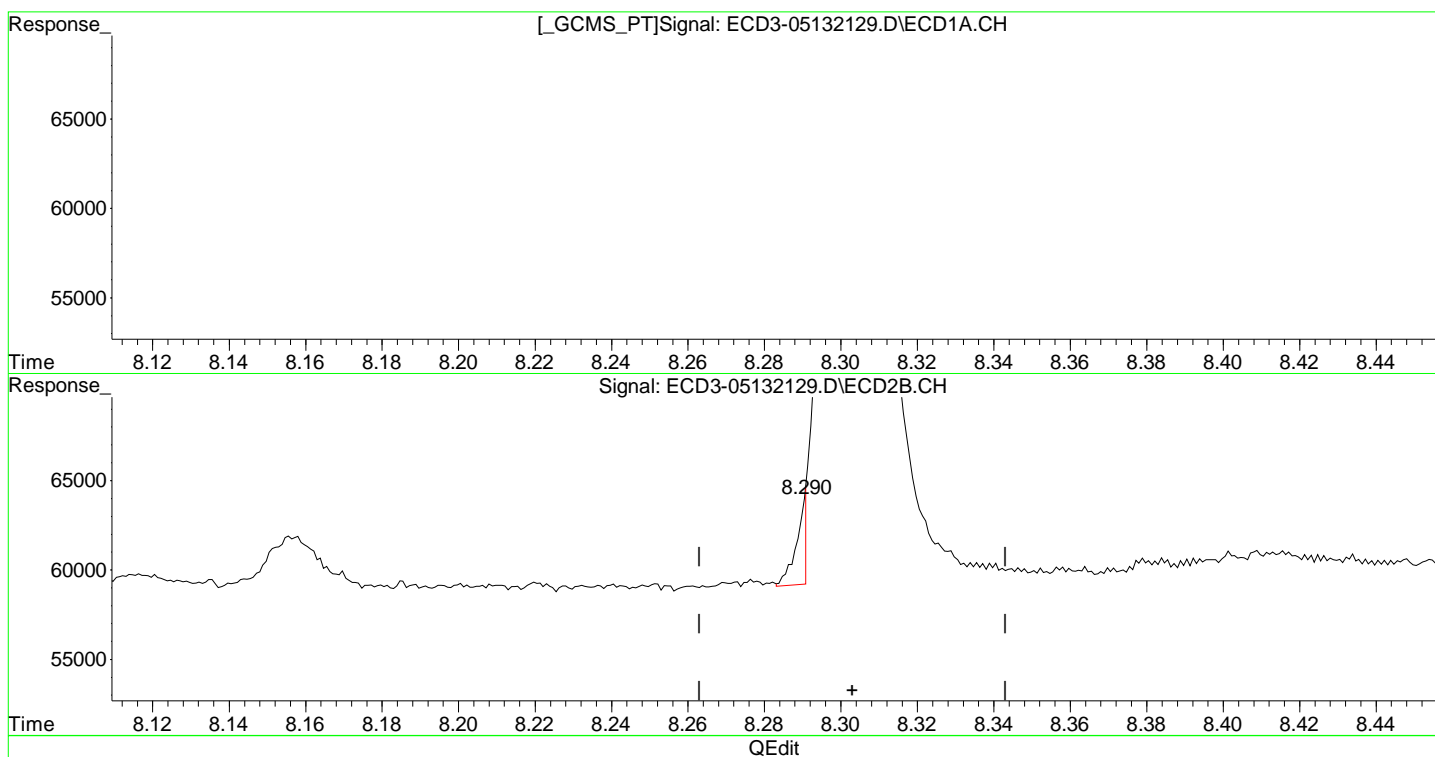
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

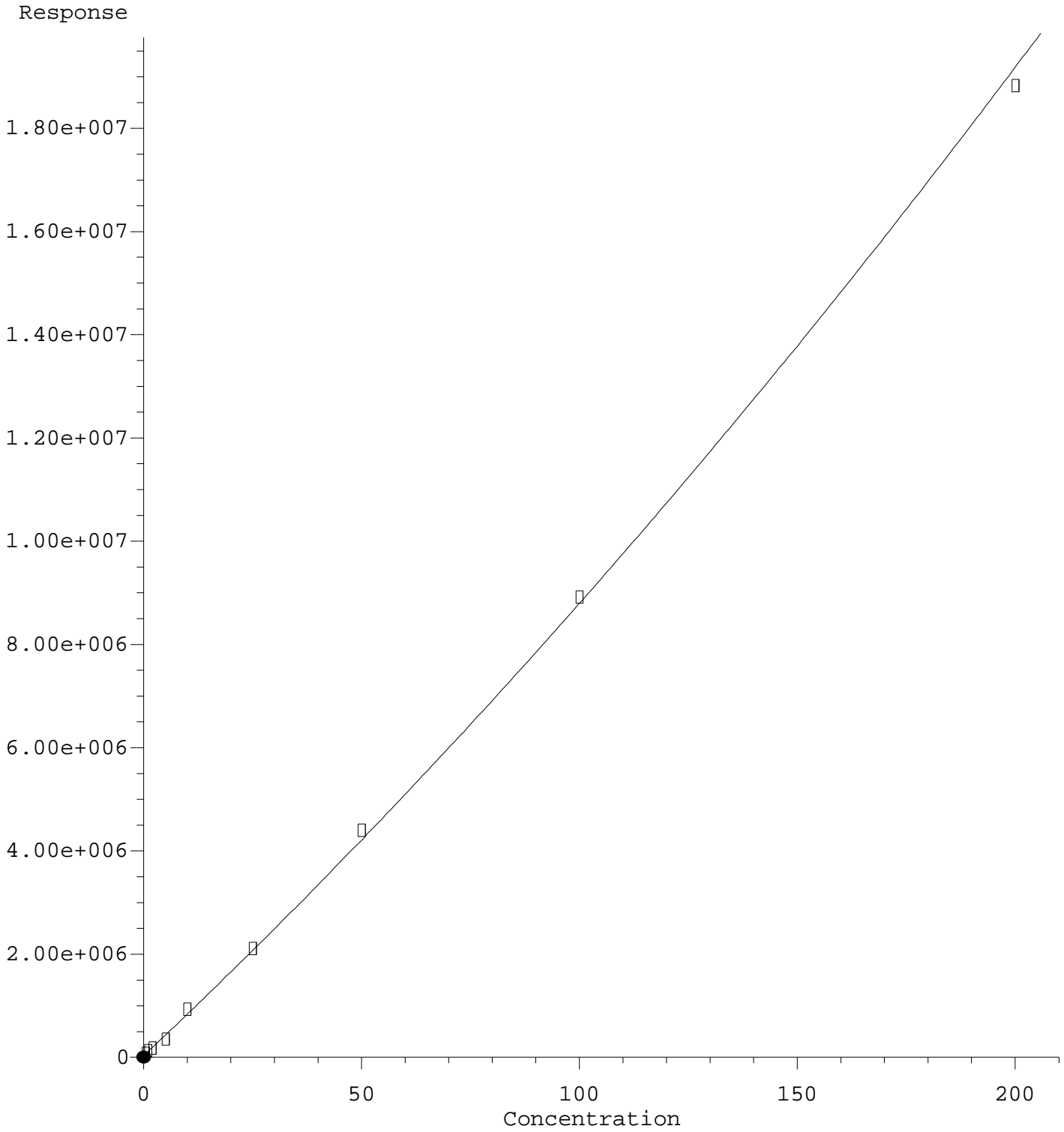
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.772min -0.314 ng/mL m
response 5474

(28) 2,4'-DDD #2
8.290min -0.345 ng/mL m
response 4787

2,4'-DDT



$$R = 8.19e+001 A^2 + 7.94e+004 A + 3.59e+004$$

Coef of Det (r^2) = 0.986 Curve Fit: Quadratic w($1/a^2$)

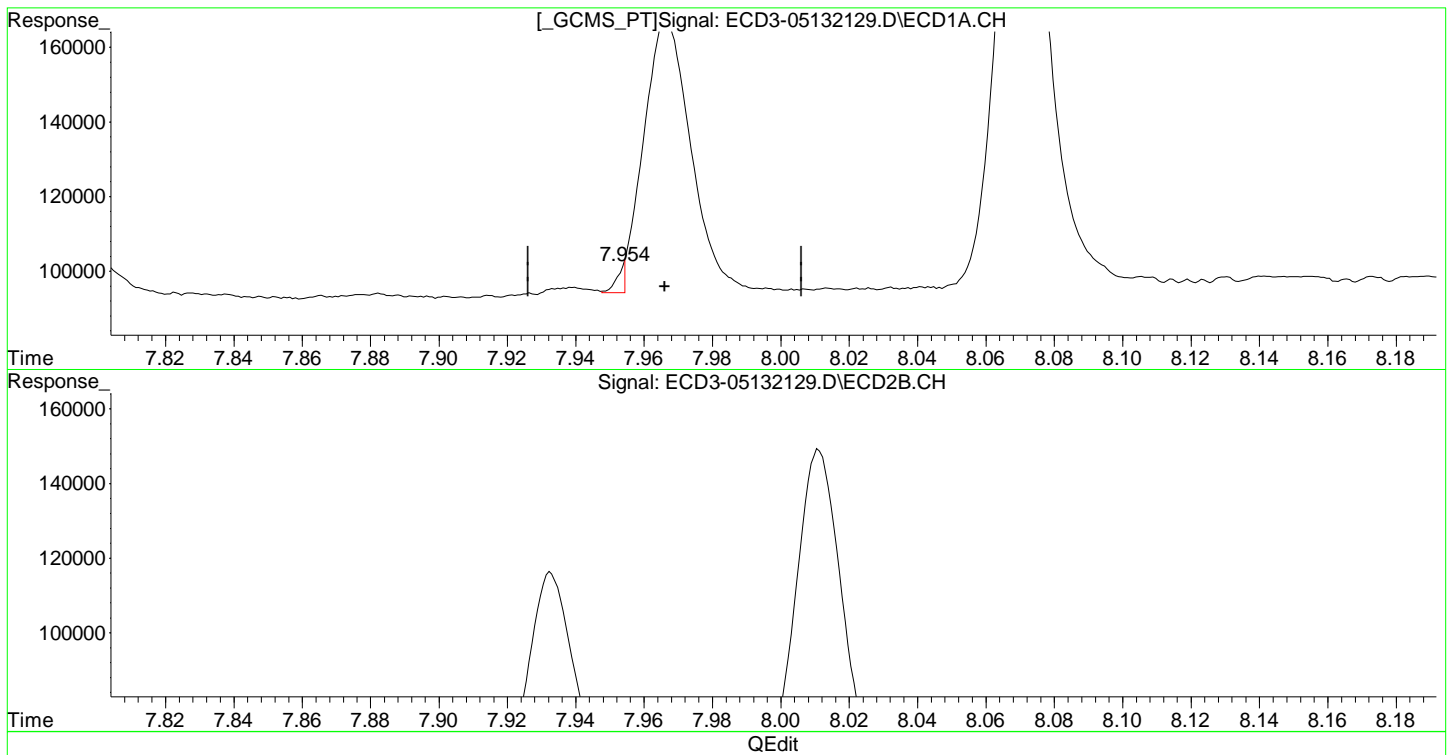
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

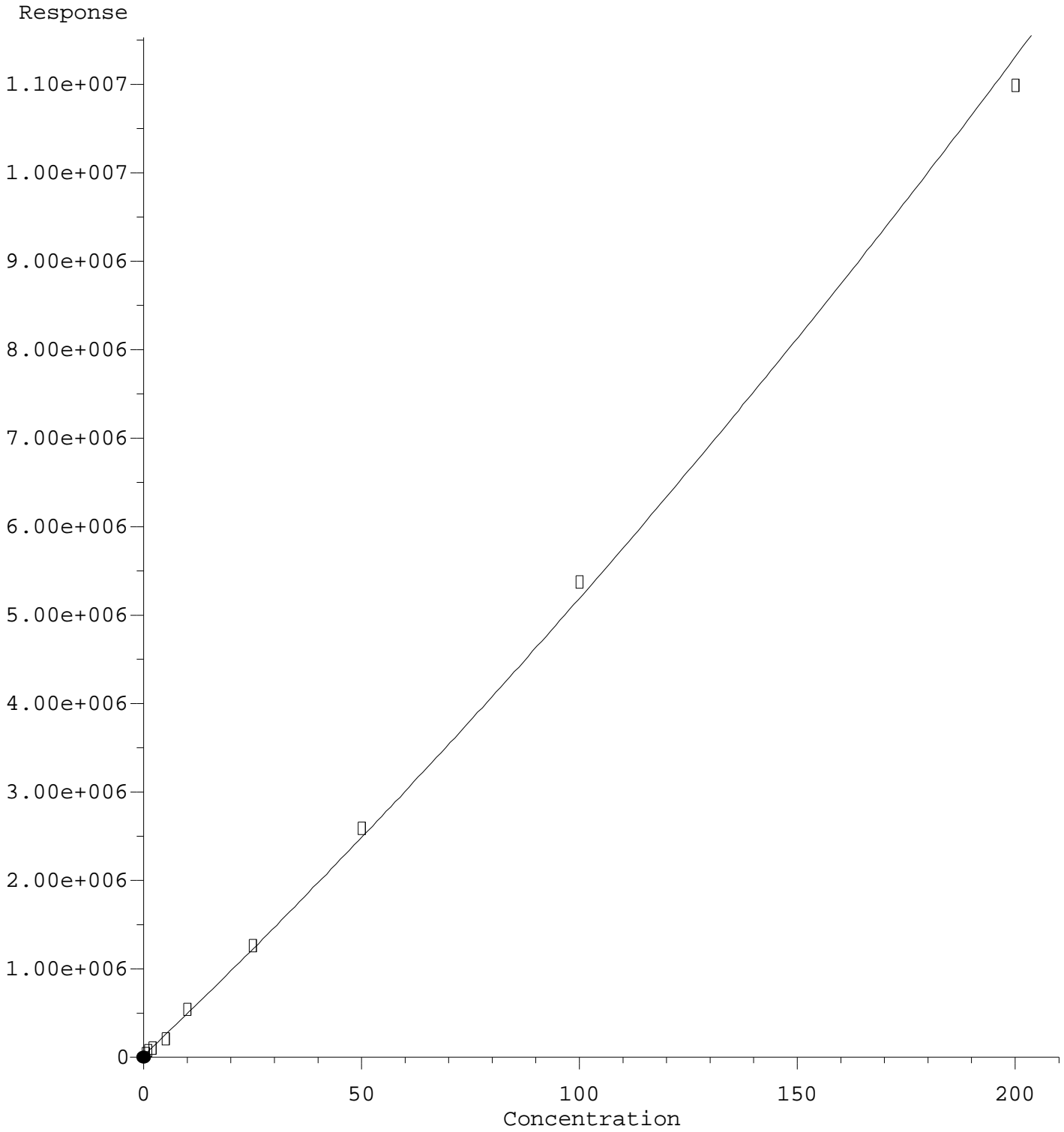
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.954min -0.362 ng/mL m
response 7198

(29) 2,4'-DDT #2
8.525min 0.479 ng/mL
response 42686

2,4'-DDT #2

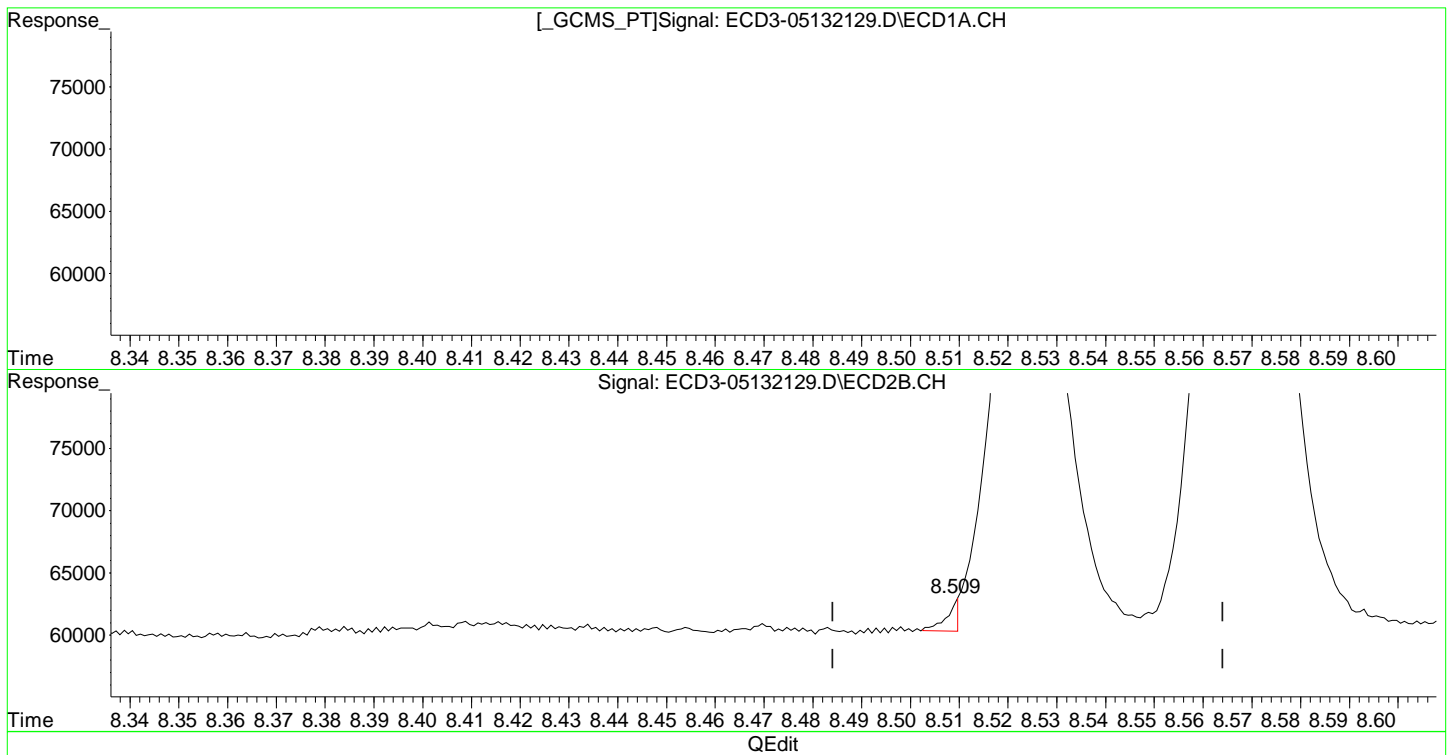


R = 4.76e+001 A*A + 4.69e+004 A + 2.02e+004
Coef of Det (r^2) = 0.986 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

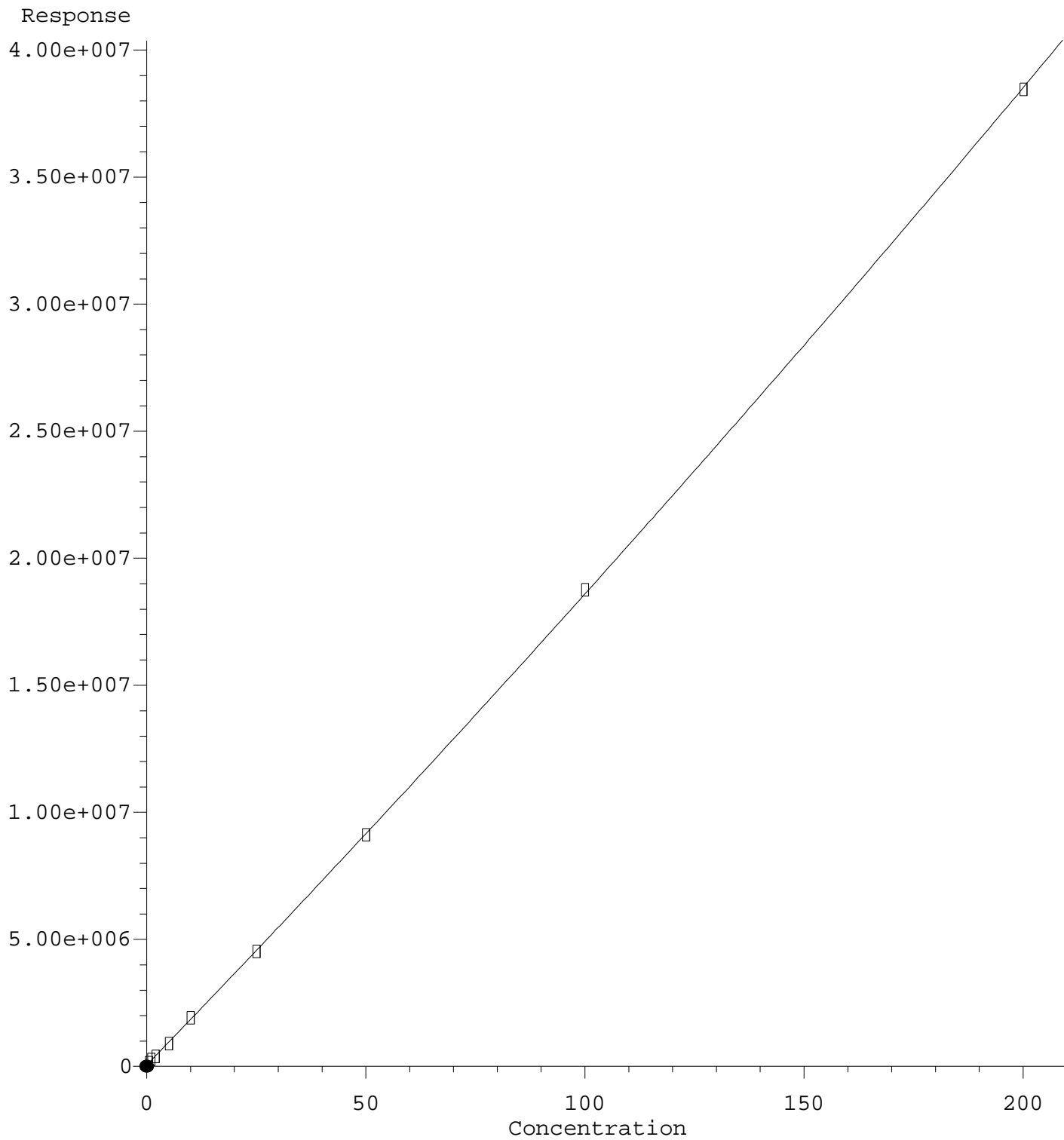
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.954min -0.362 ng/mL m
response 7198

(29) 2,4'-DDT #2
8.509min -0.388 ng/mL m
response 1996

cis-Nonachlor



$R = 7.05e+001 A^2 + 1.78e+005 A + 6.45e+004$

Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w($1/a^2$)

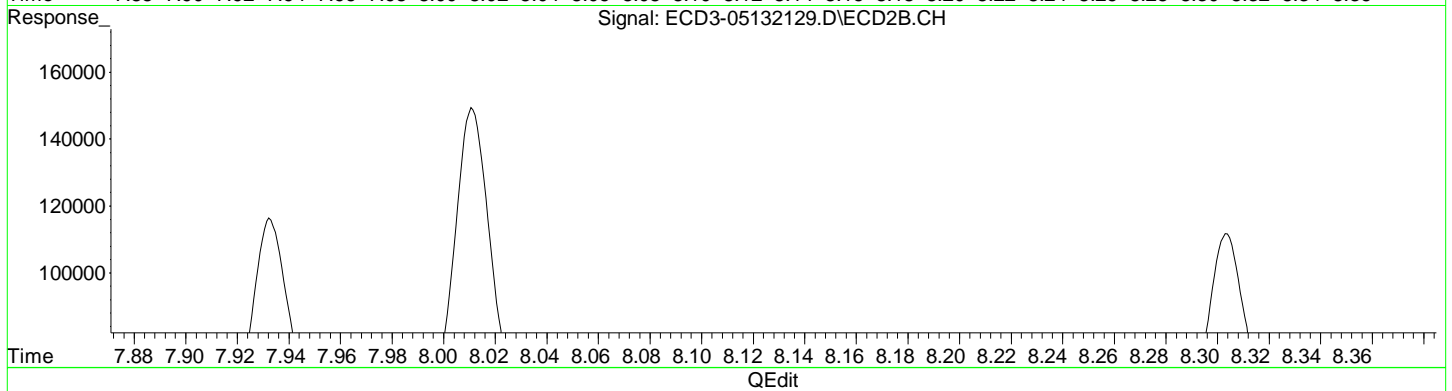
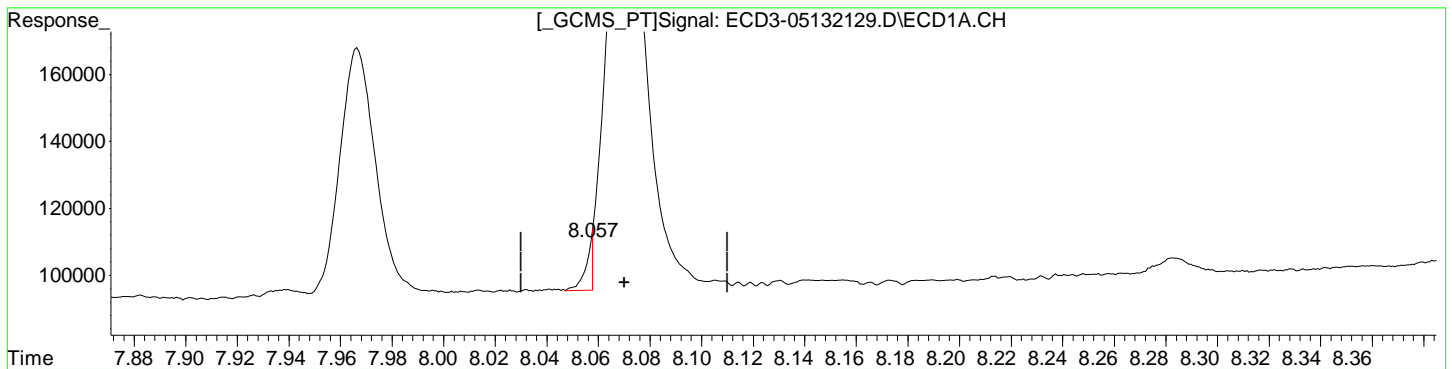
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

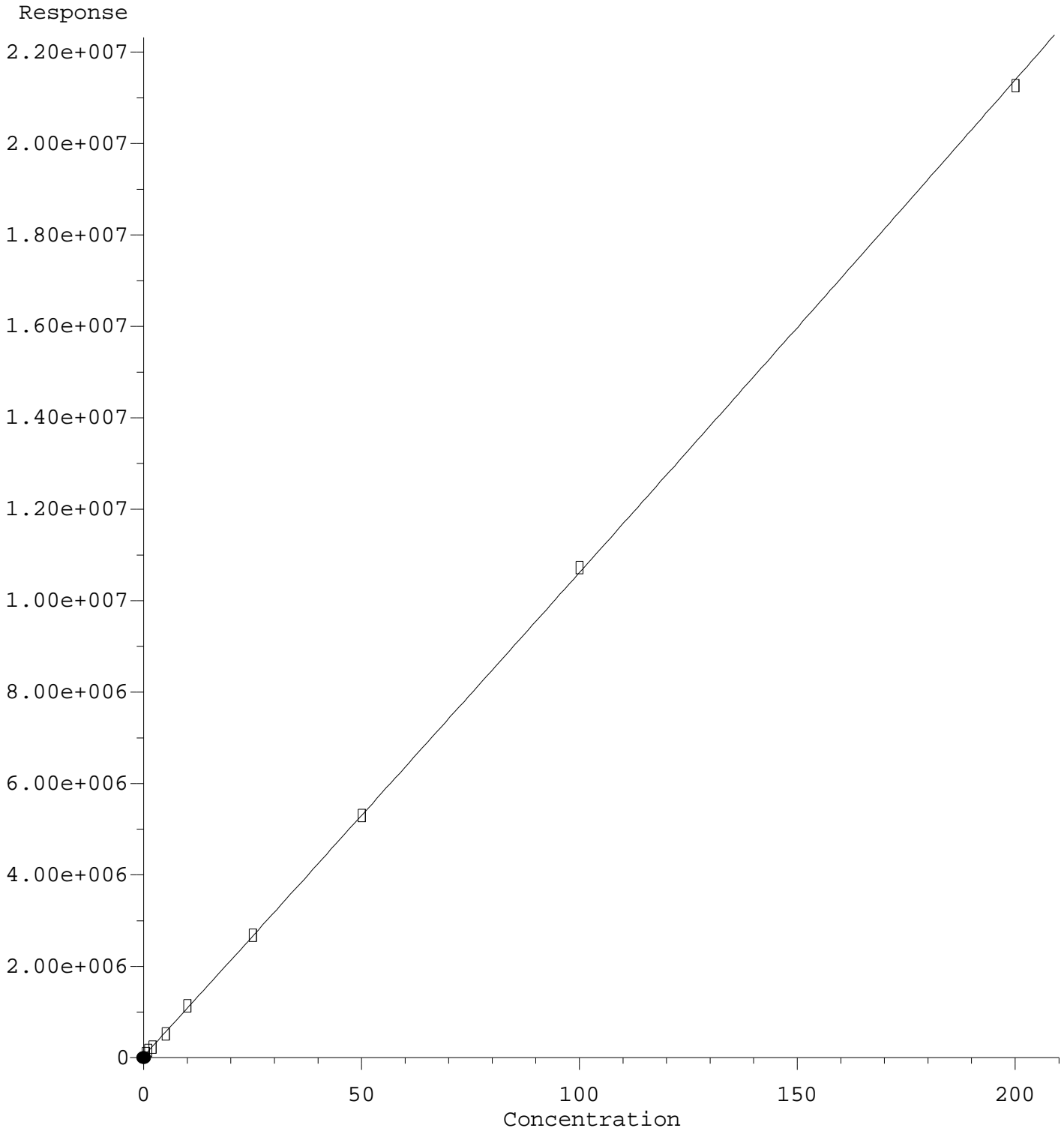
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(30) cis-Nonachlor
8.057min -0.280 ng/mL m
response 14546

(30) cis-Nonachlor #2
8.569min 0.470 ng/mL
response 89678

cis-Nonachlor #2

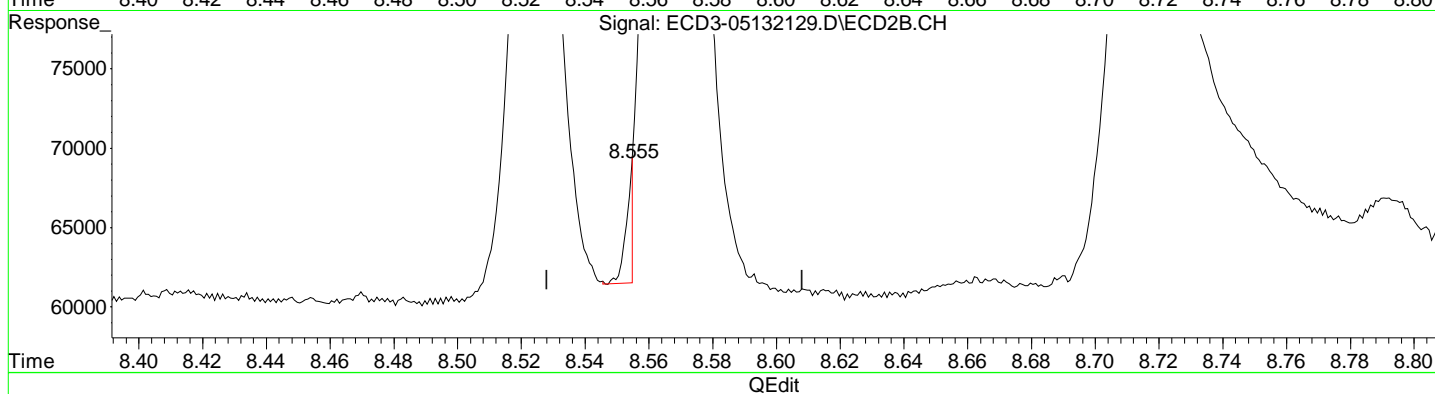
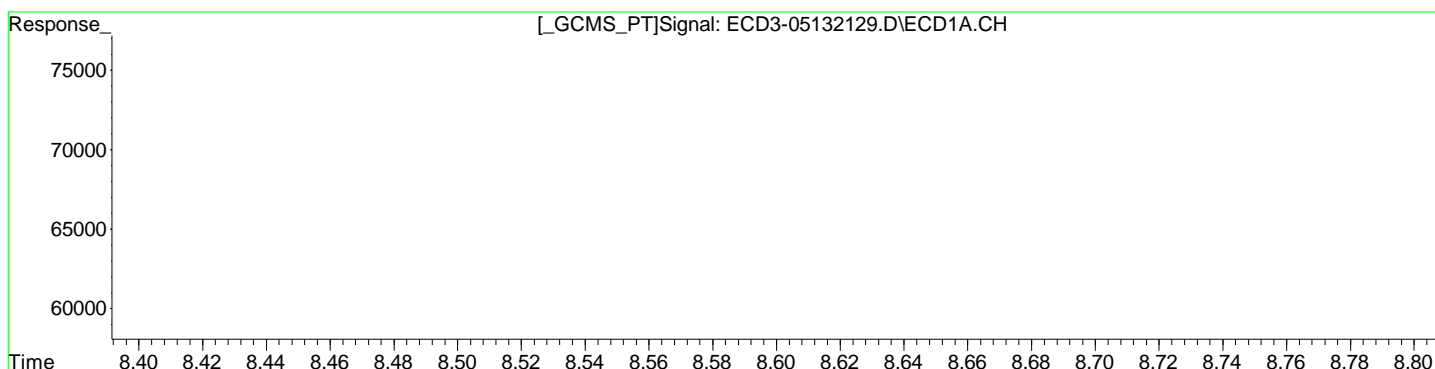


$R = 1.06e+001 A^2 + 1.05e+005 A + 4.05e+004$
Coef of Det (r^2) = 0.992 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

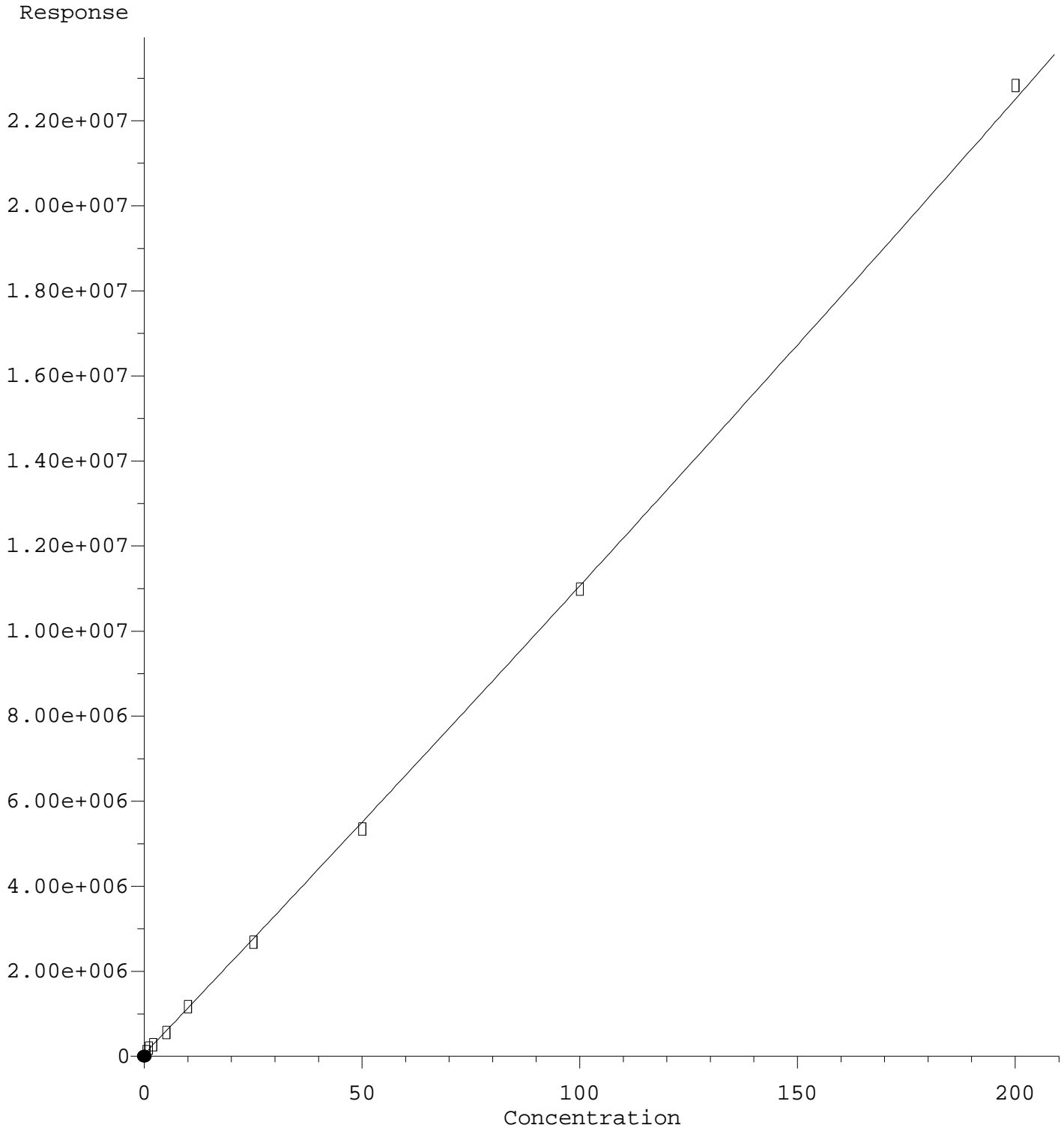
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(30) cis-Nonachlor
8.057min -0.280 ng/mL m
response 14546

(30) cis-Nonachlor #2
8.555min -0.315 ng/mL m
response 7546

Mirex

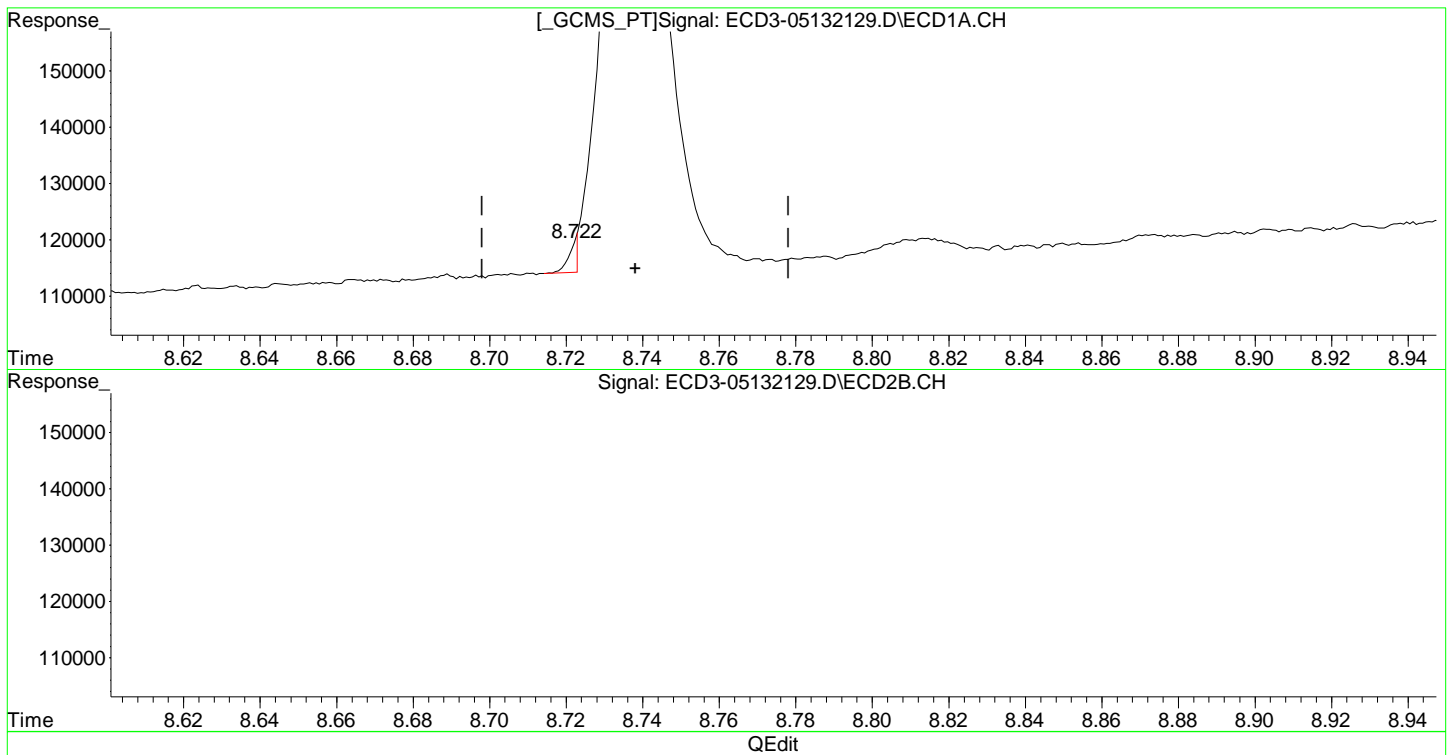


R = 2.22e+001 A*A + 1.08e+005 A + 5.96e+004
Coef of Det (r^2) = 0.987 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

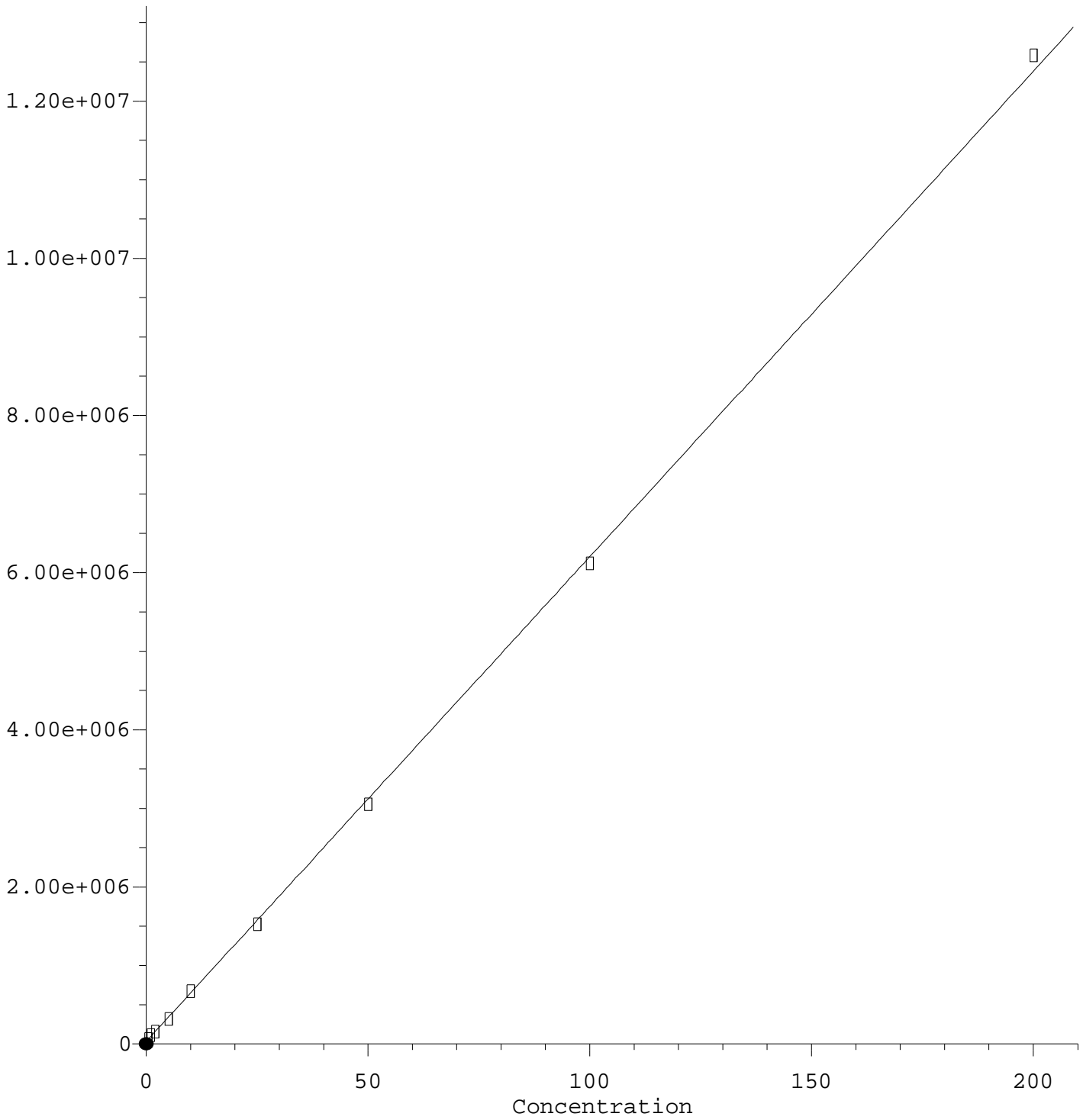


(31) Mirex
8.722min -0.505 ng/mL m
response 5189

(31) Mirex #2
9.471min 0.447 ng/mL
response 63791

Mirex #2

Response



$R = 8.56e-001 A^2 + 6.16e+004 A + 3.63e+004$

Coef of Det (r^2) = 0.987 Curve Fit: Quadratic w($1/a^2$)

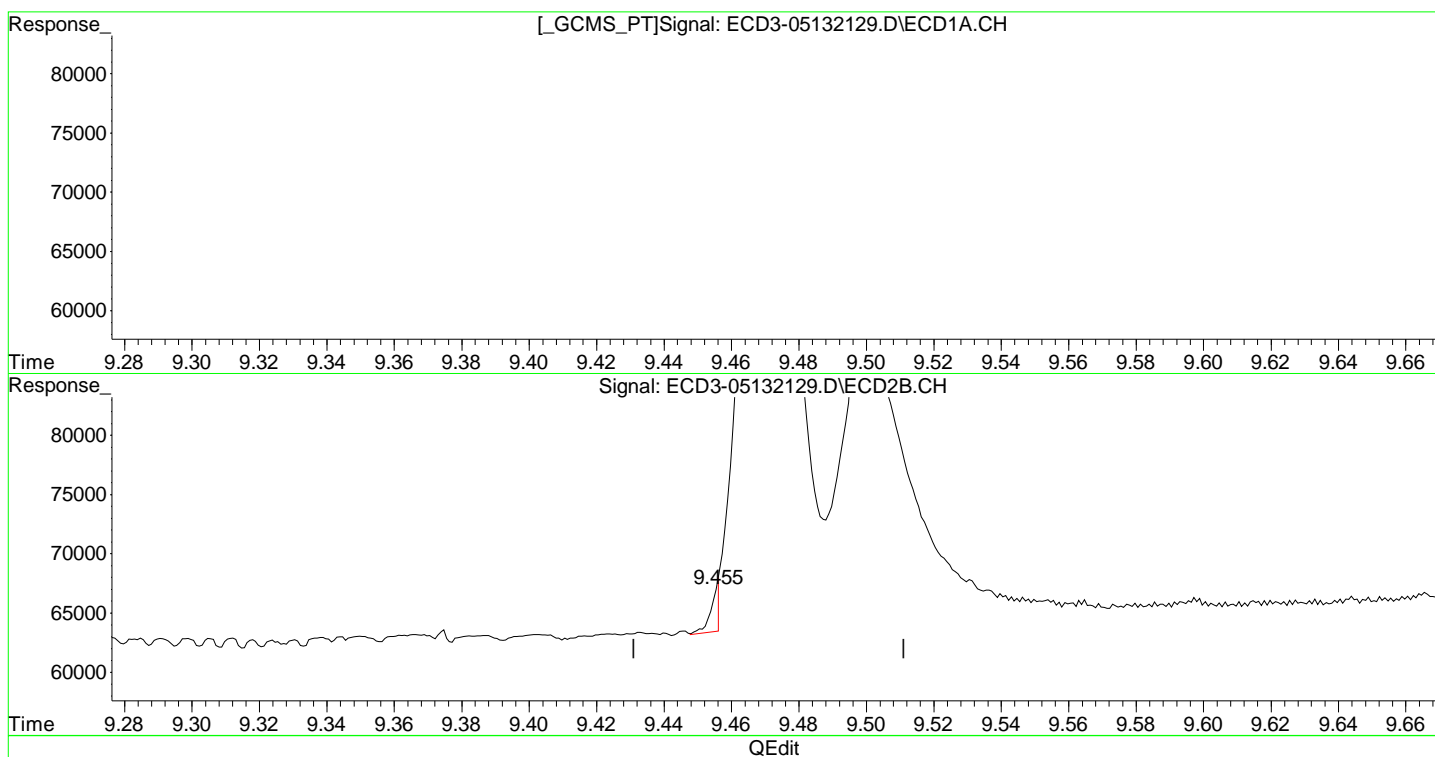
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

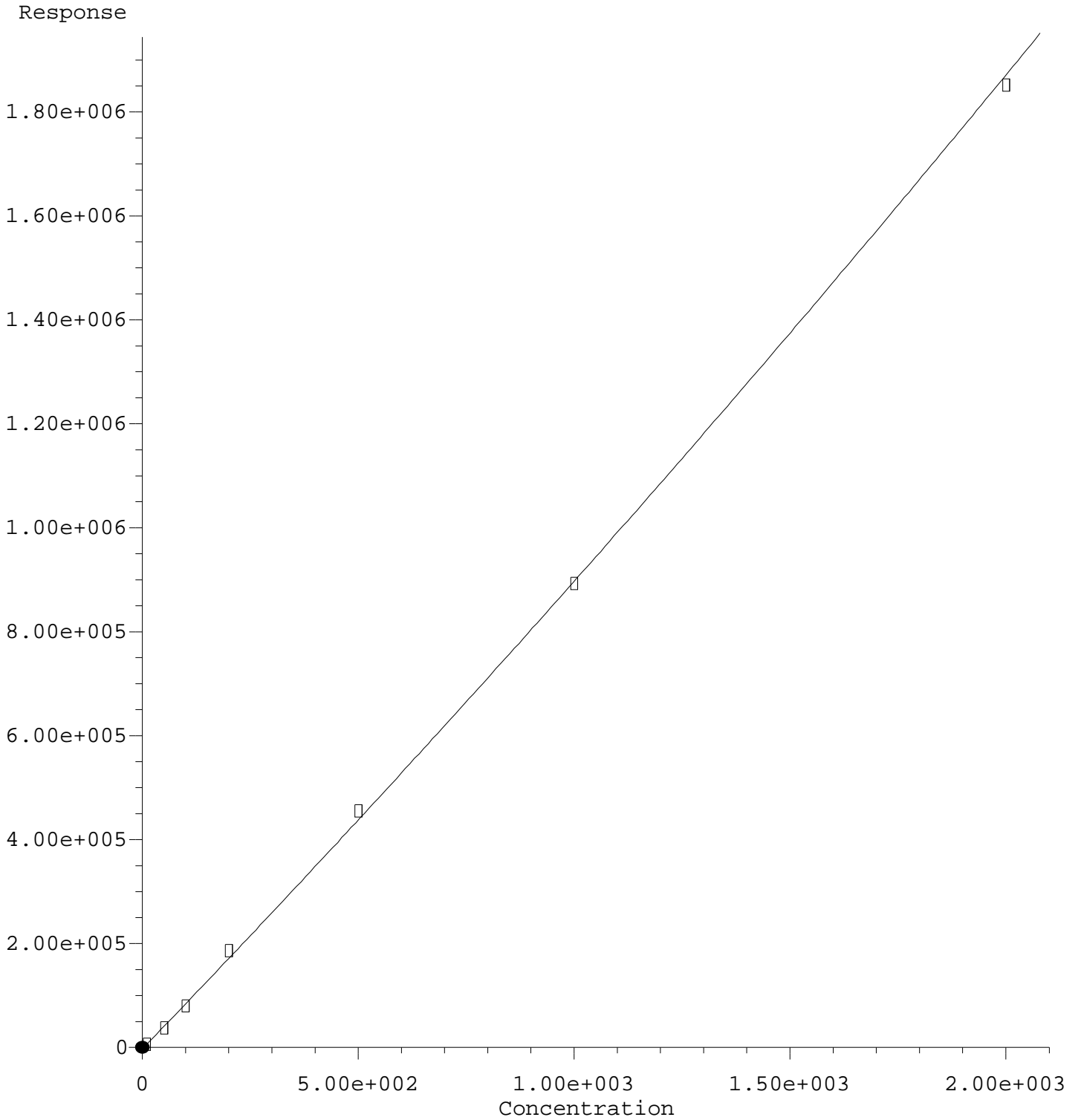
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex
8.722min -0.505 ng/mL m
response 5189

(31) Mirex #2
9.455min -0.532 ng/mL m
response 3573

Toxaphene (1)

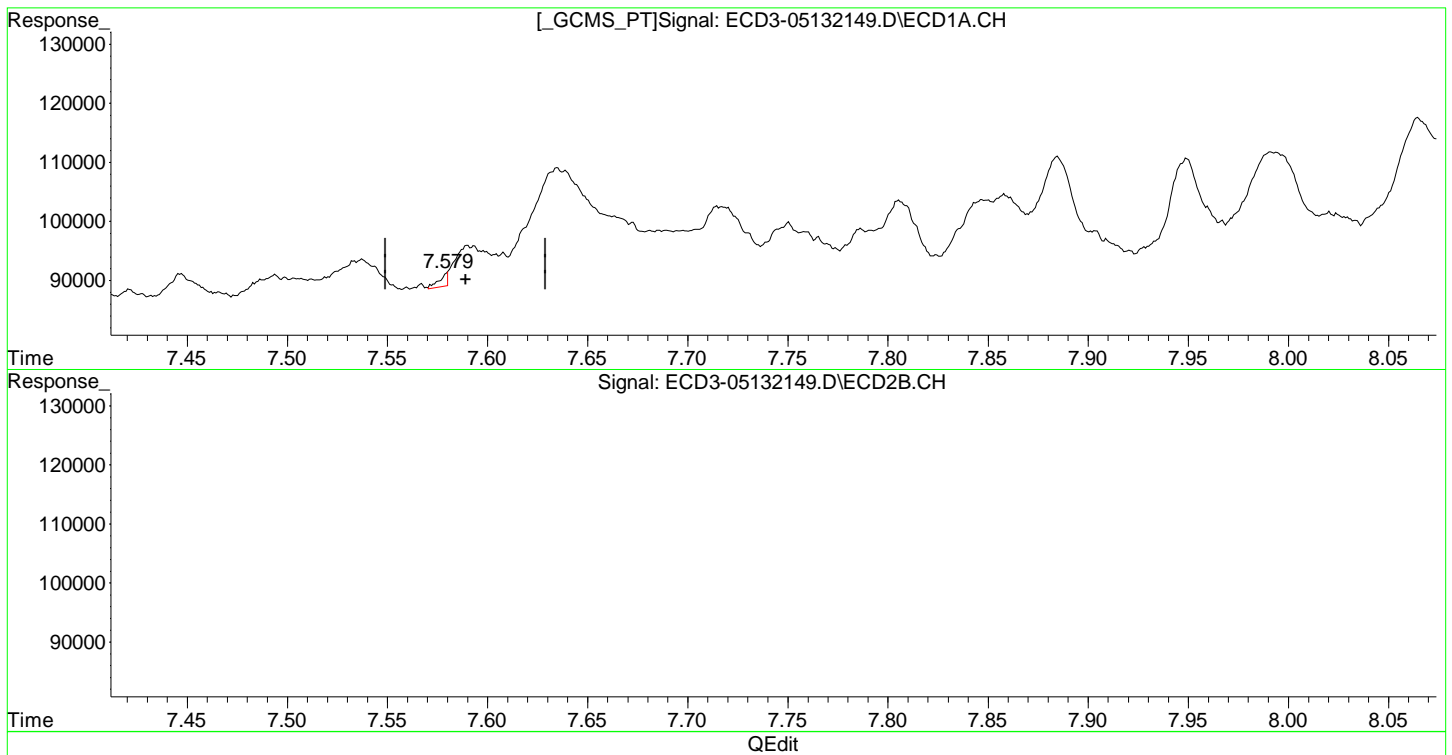


$R = 3.73e-002 A^2 + 8.62e+002 A - 2.47e+003$
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

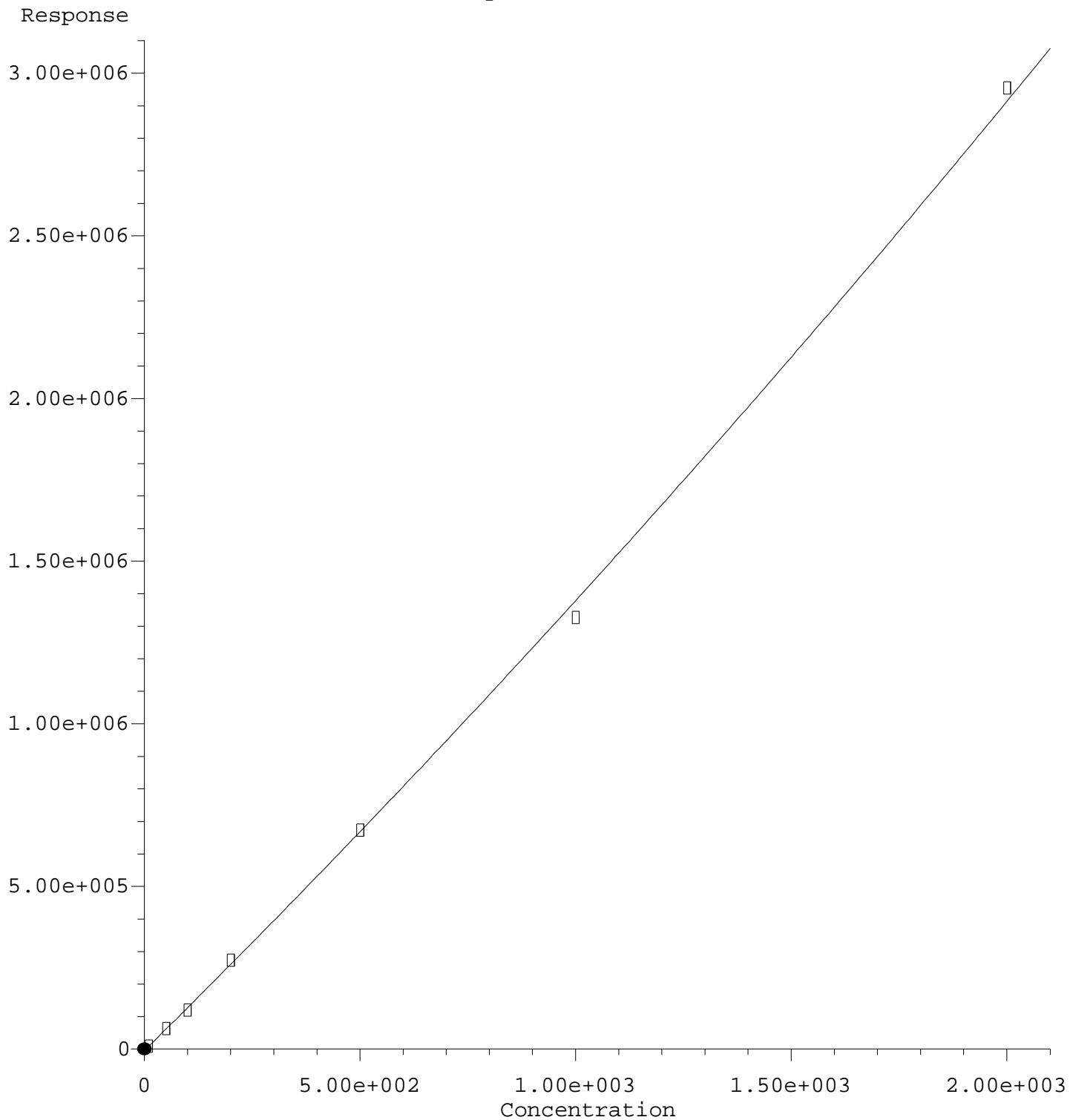
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.579min 5.366 ng/mL m
response 2153

(36) Toxaphene (1) #2
8.275min 8.959 ng/mL
response 10584

Toxaphene (2) #2

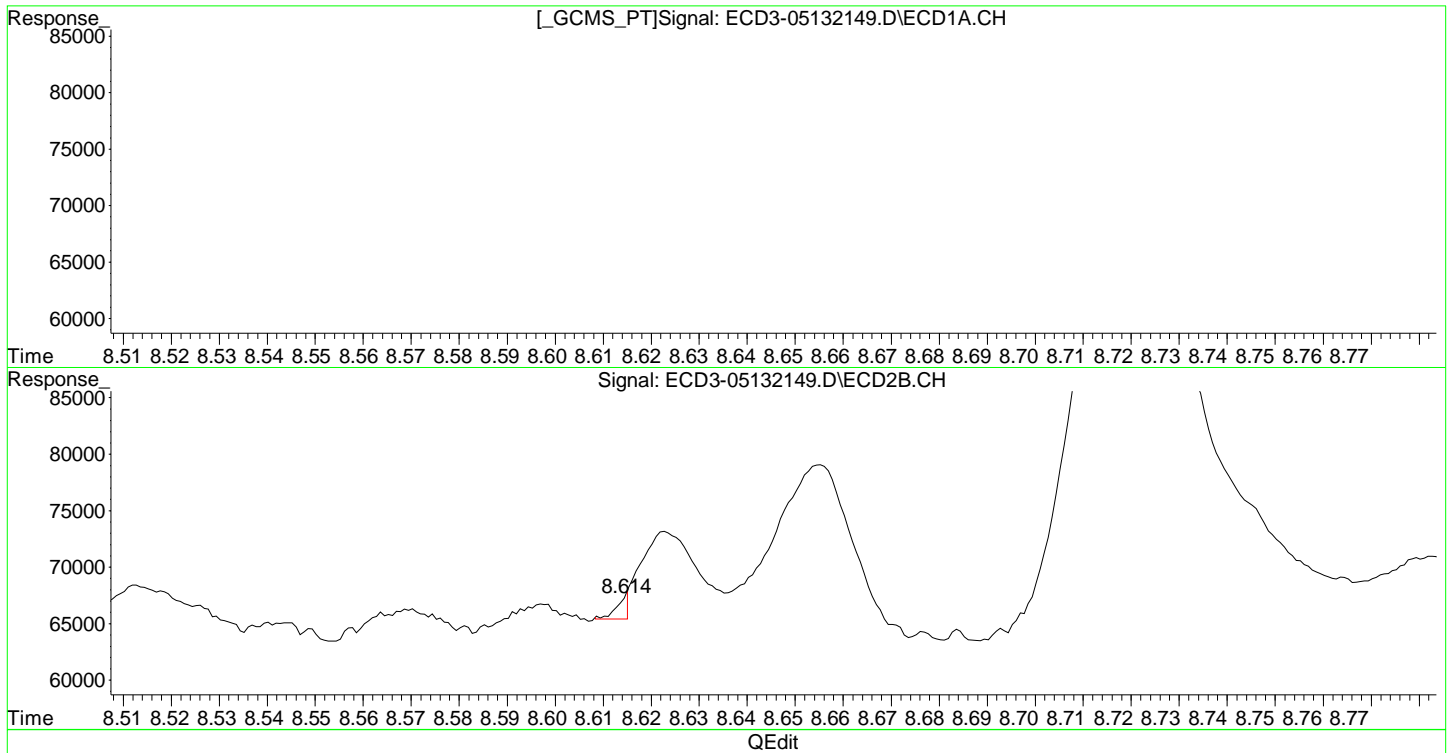


$R = 7.59e-002 A^2 + 1.31e+003 A - 4.03e+003$
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w($1/a^2$)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

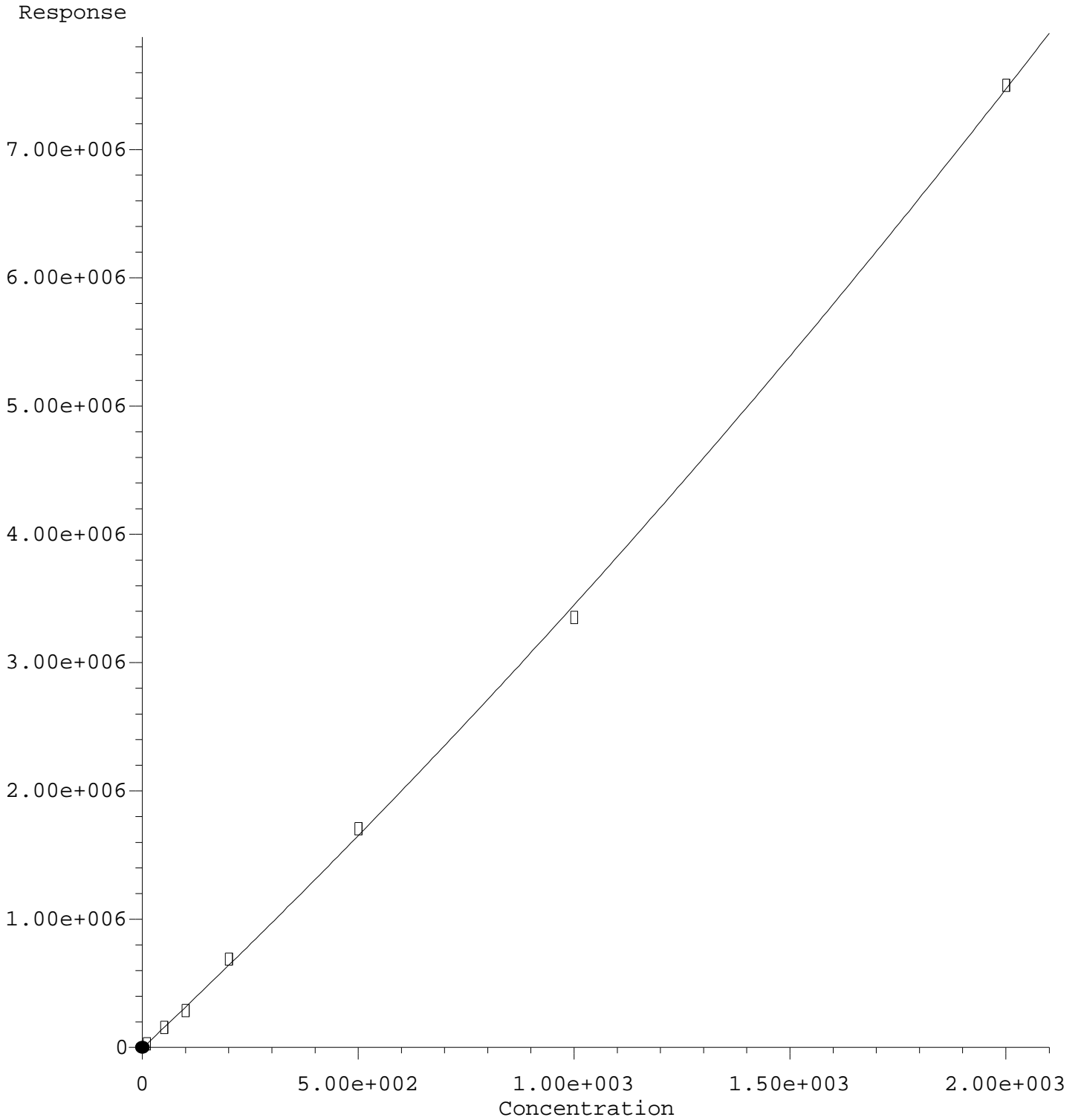
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(37) Toxaphene (2)
7.885min 9.393 ng/mL
response 16597

(37) Toxaphene (2) #2
8.614min 4.490 ng/mL m
response 1837

Toxaphene (3)



$$R = 2.84e-001 A^2 + 3.17e+003 A - 3.94e+003$$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)

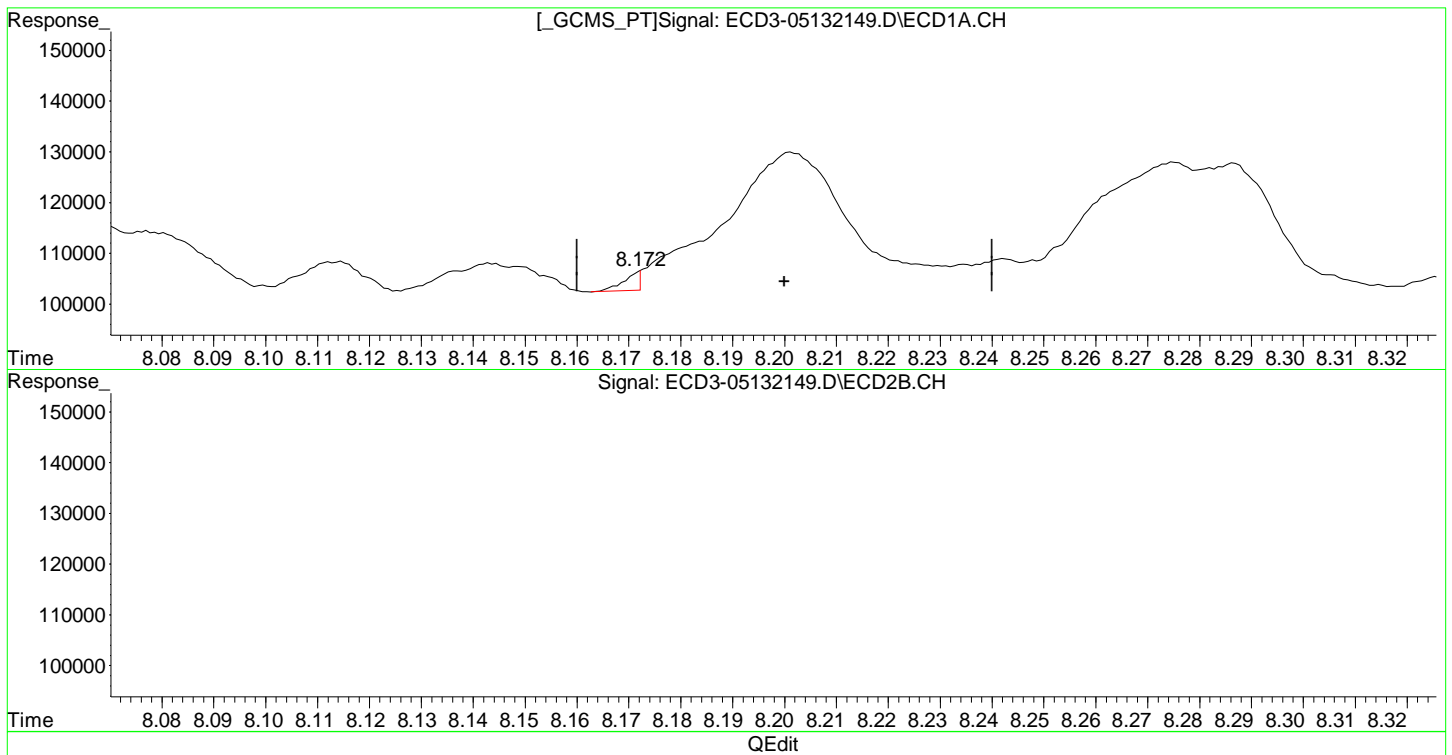
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

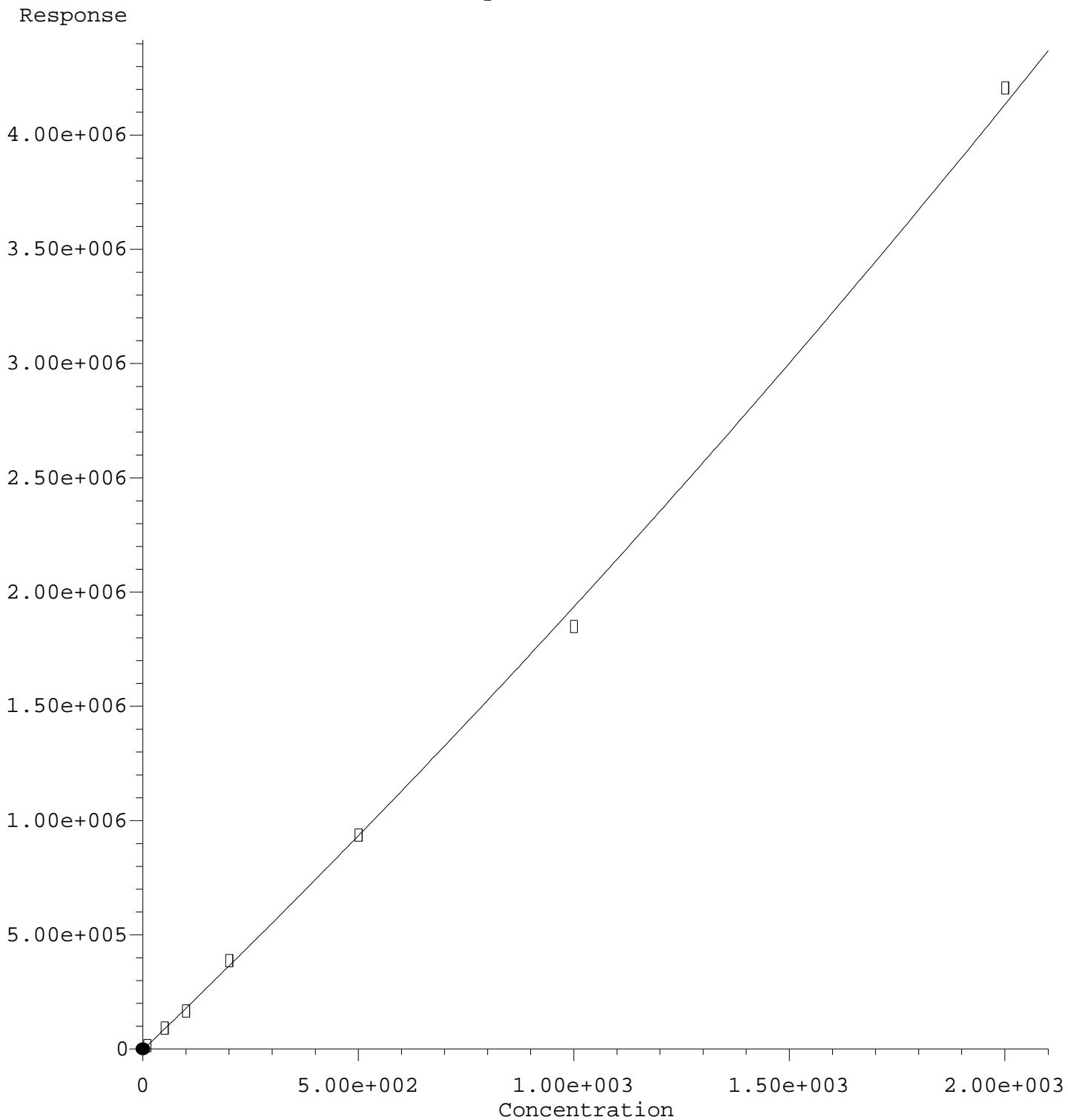
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(38) Toxaphene (3)
8.172min 2.433 ng/mL m
response 3782

(38) Toxaphene (3) #2
8.655min 9.968 ng/mL
response 15232

Toxaphene (3) #2



$$R = 1.30e-001 A^2 + 1.81e+003 A - 2.81e+003$$

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

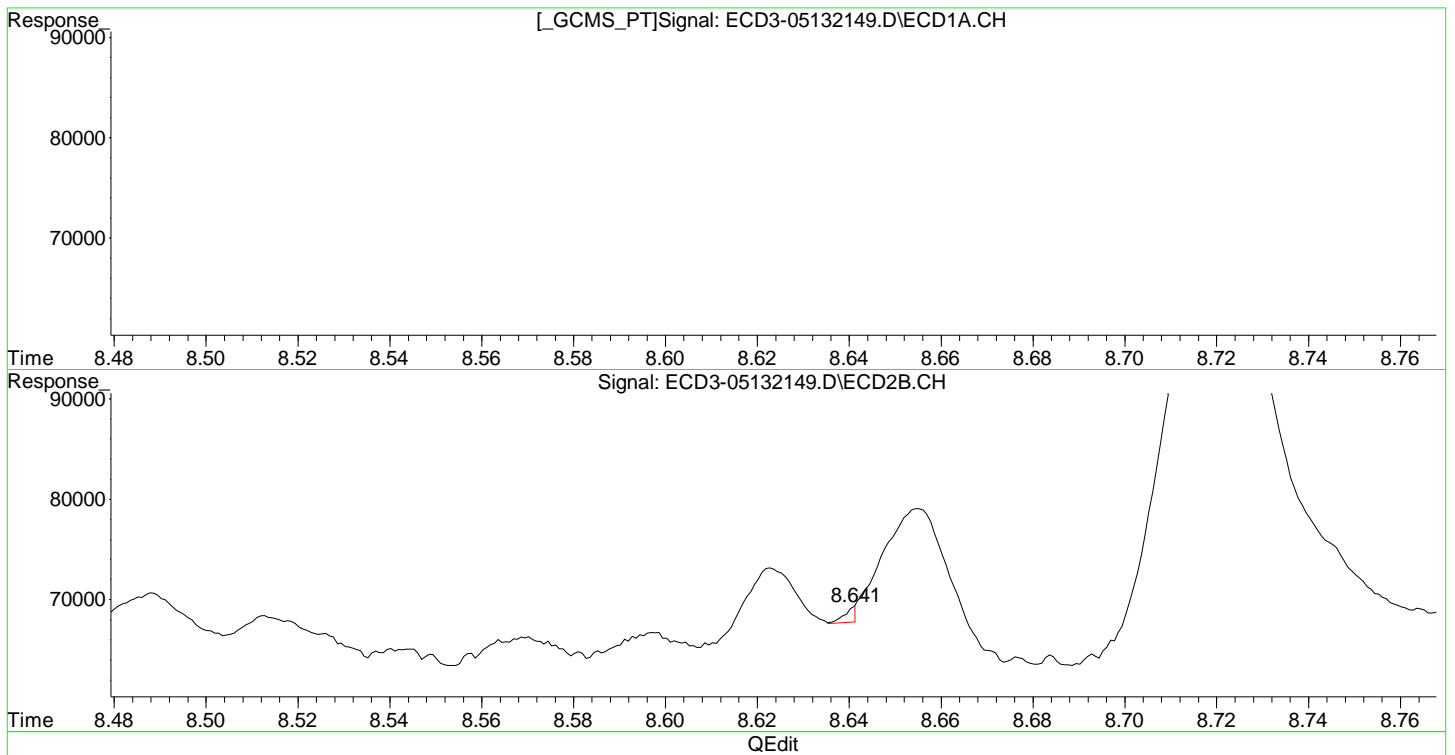
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

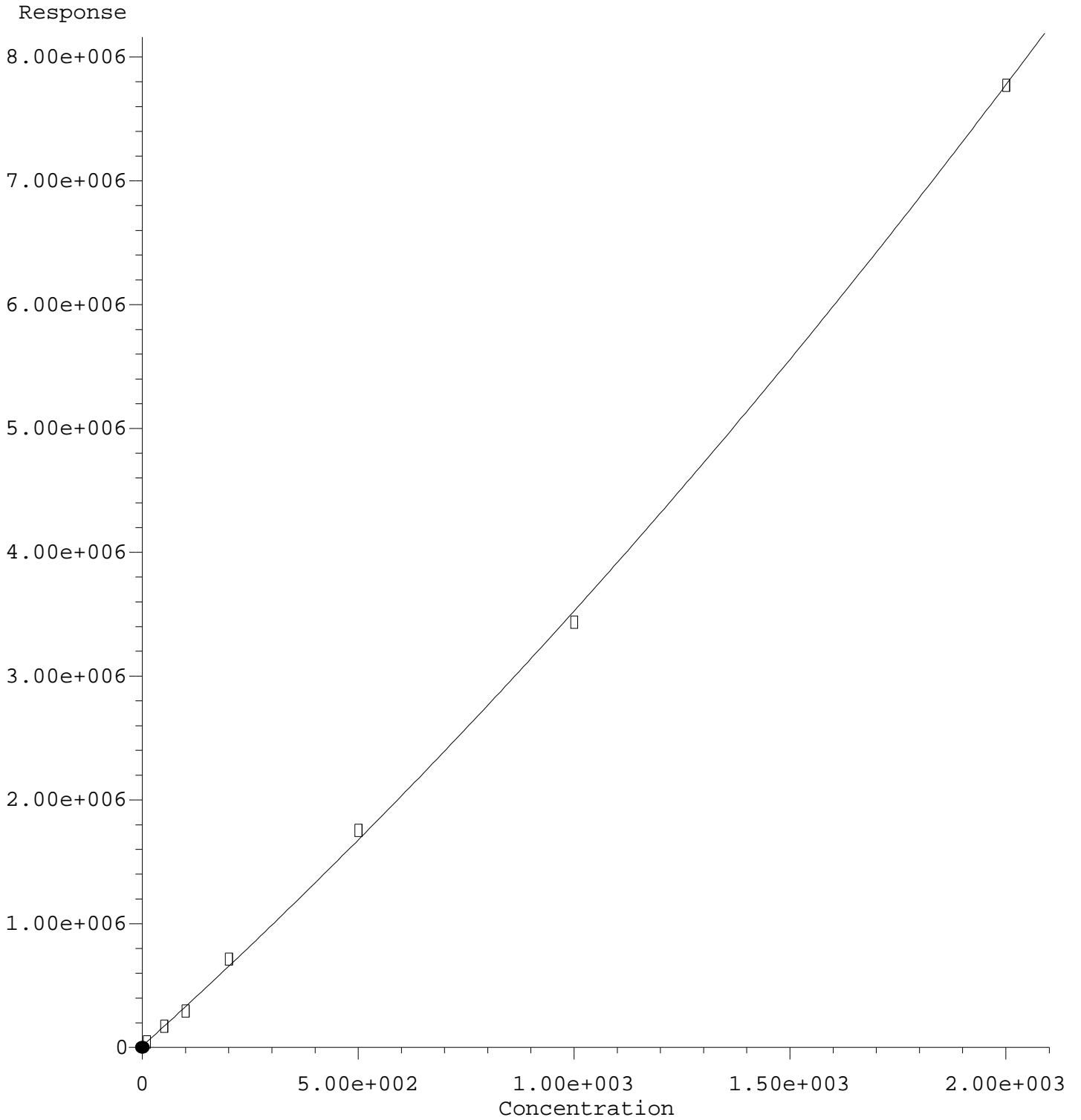
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(38) Toxaphene (3)
8.172min 2.433 ng/mL m
response 3782

(38) Toxaphene (3) #2
8.641min 2.410 ng/mL m
response 1548

Toxaphene (4)



$R = 3.68e-001 A^2 + 3.15e+003 A + 1.27e+004$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)

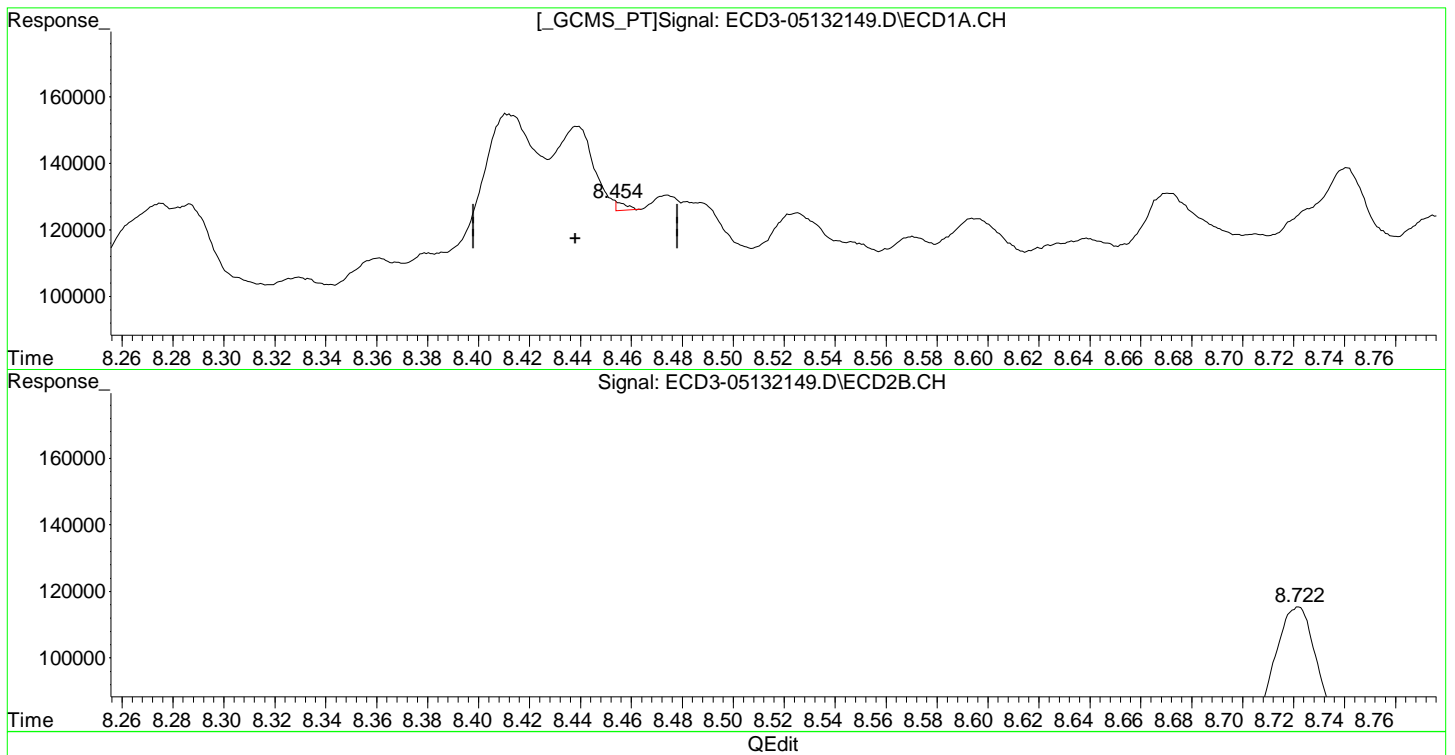
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

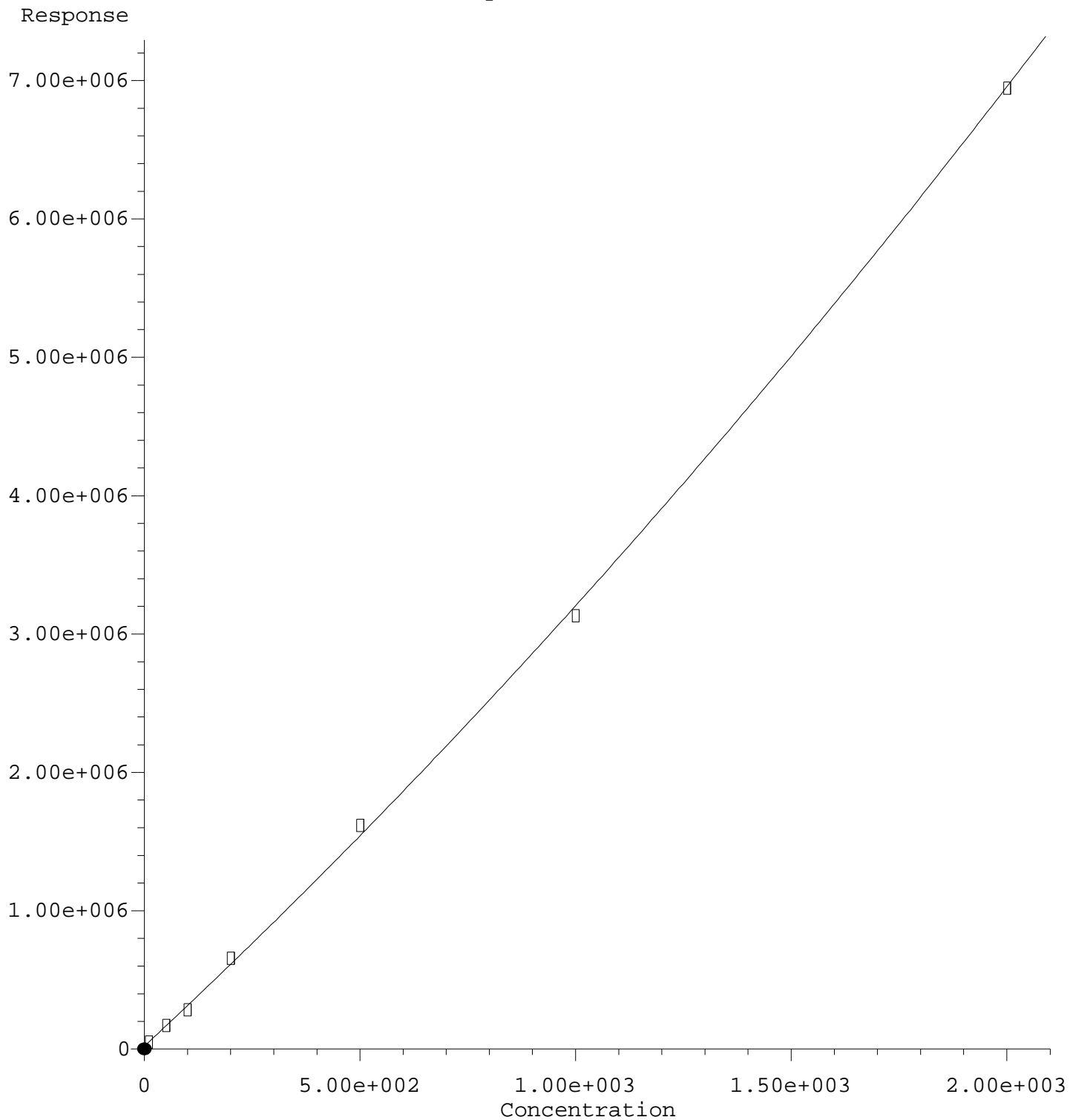
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(39) Toxaphene (4)
8.454min -3.116 ng/mL m
response 2852

(39) Toxaphene (4) #2
8.722min 10.048 ng/mL
response 51887

Toxaphene (4) #2



$R = 2.84e-001 A^2 + 2.90e+003 A + 2.27e+004$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)

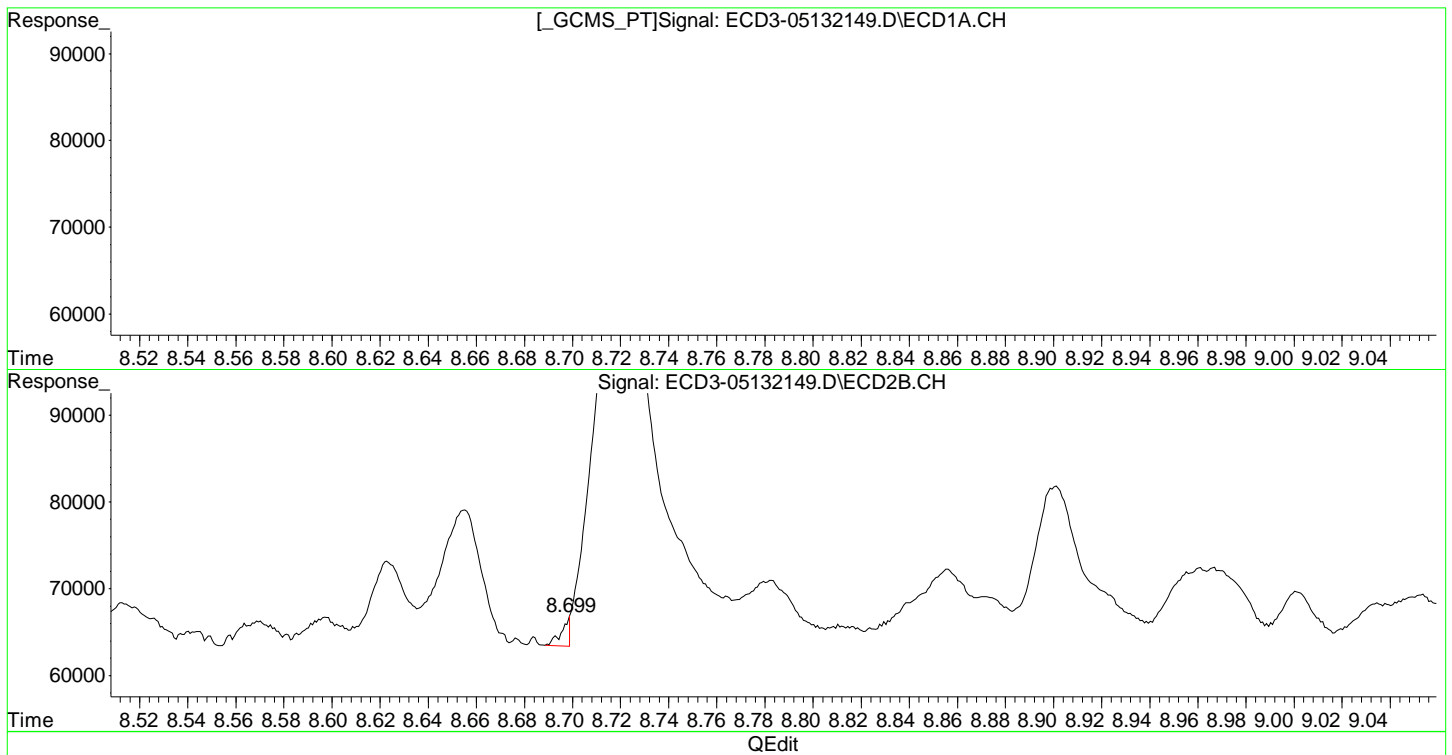
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

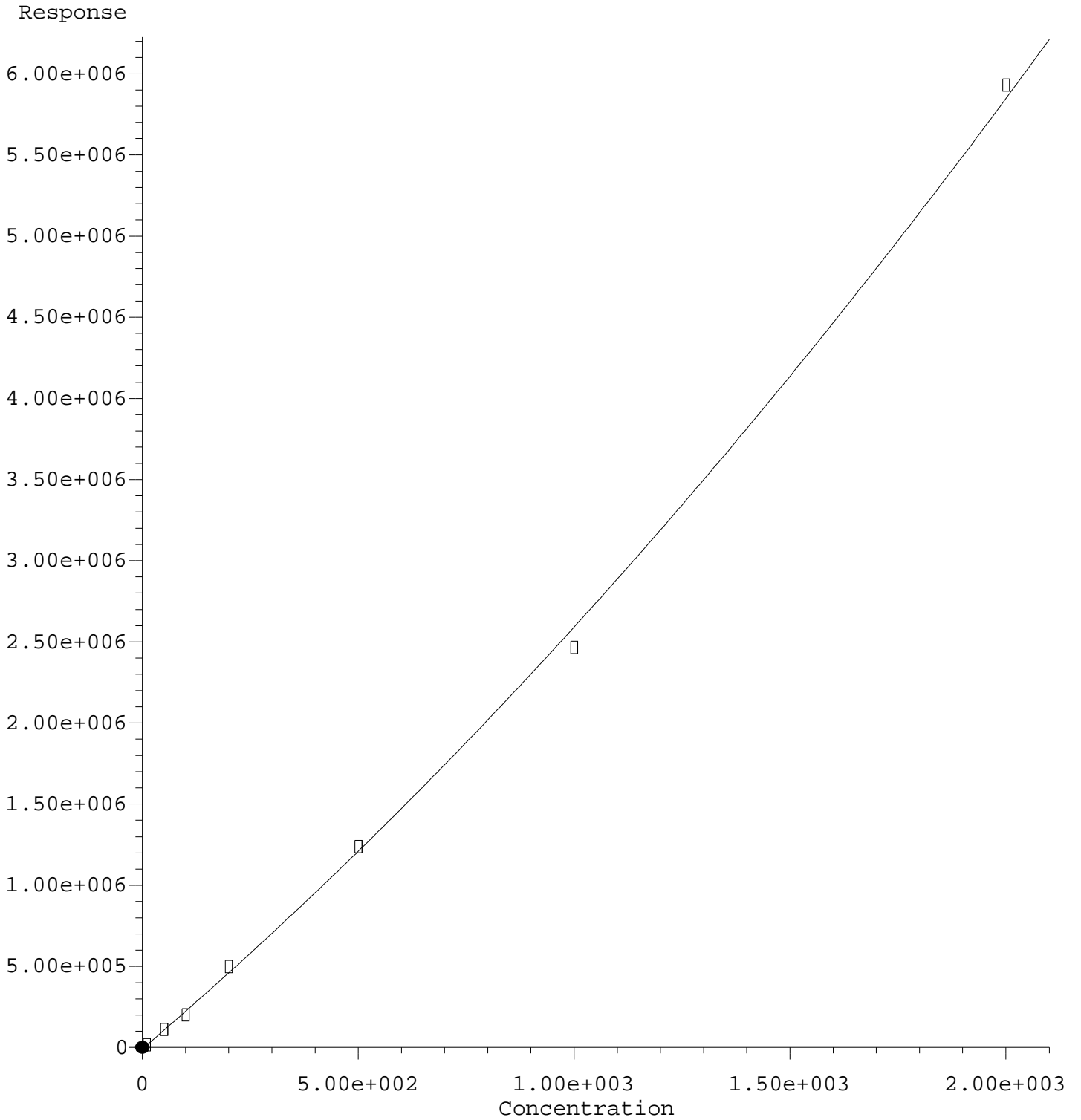
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(39) Toxaphene (4)
8.454min -3.116 ng/mL m
response 2852

(39) Toxaphene (4) #2
8.699min -6.676 ng/mL m
response 3392

Toxaphene (5)



$R = 3.30e-001 A^2 + 2.27e+003 A - 6.49e+003$

Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w($1/a^2$)

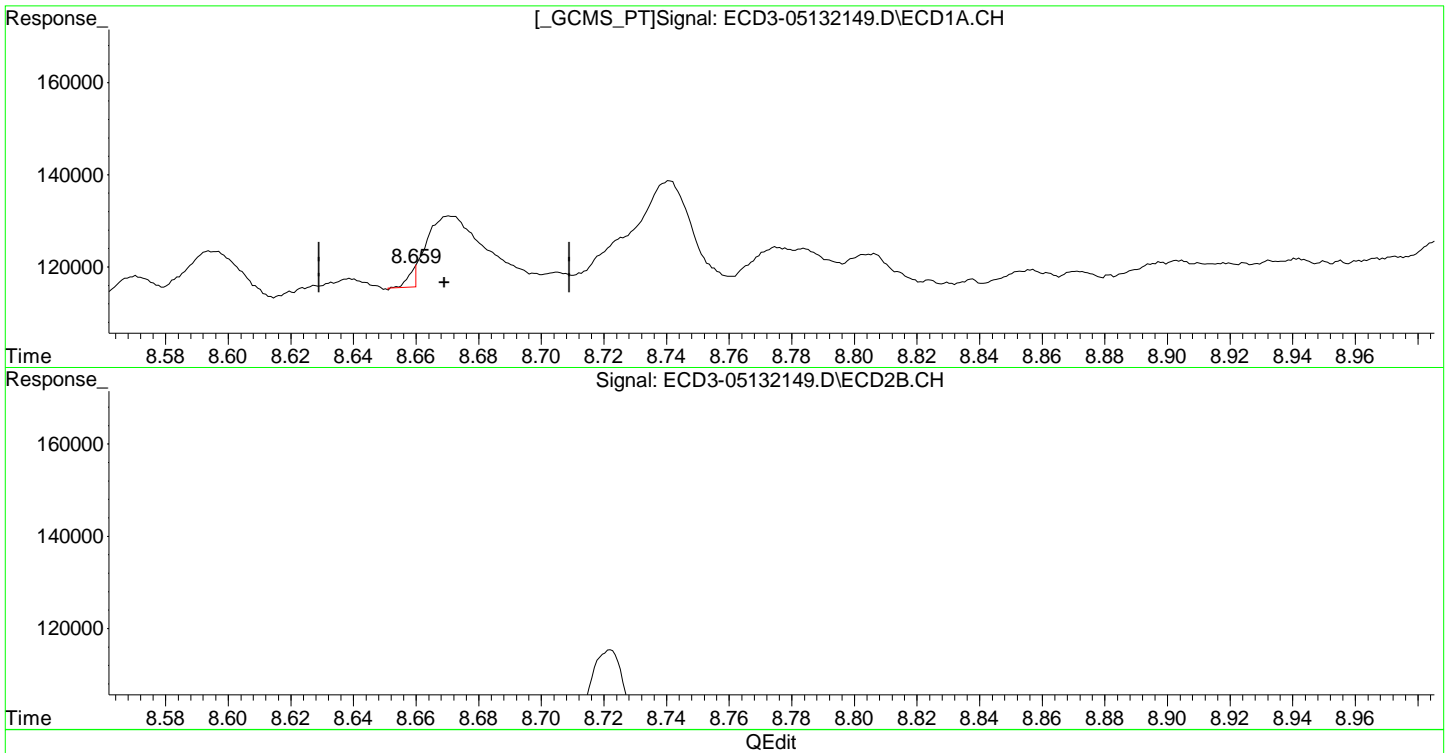
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

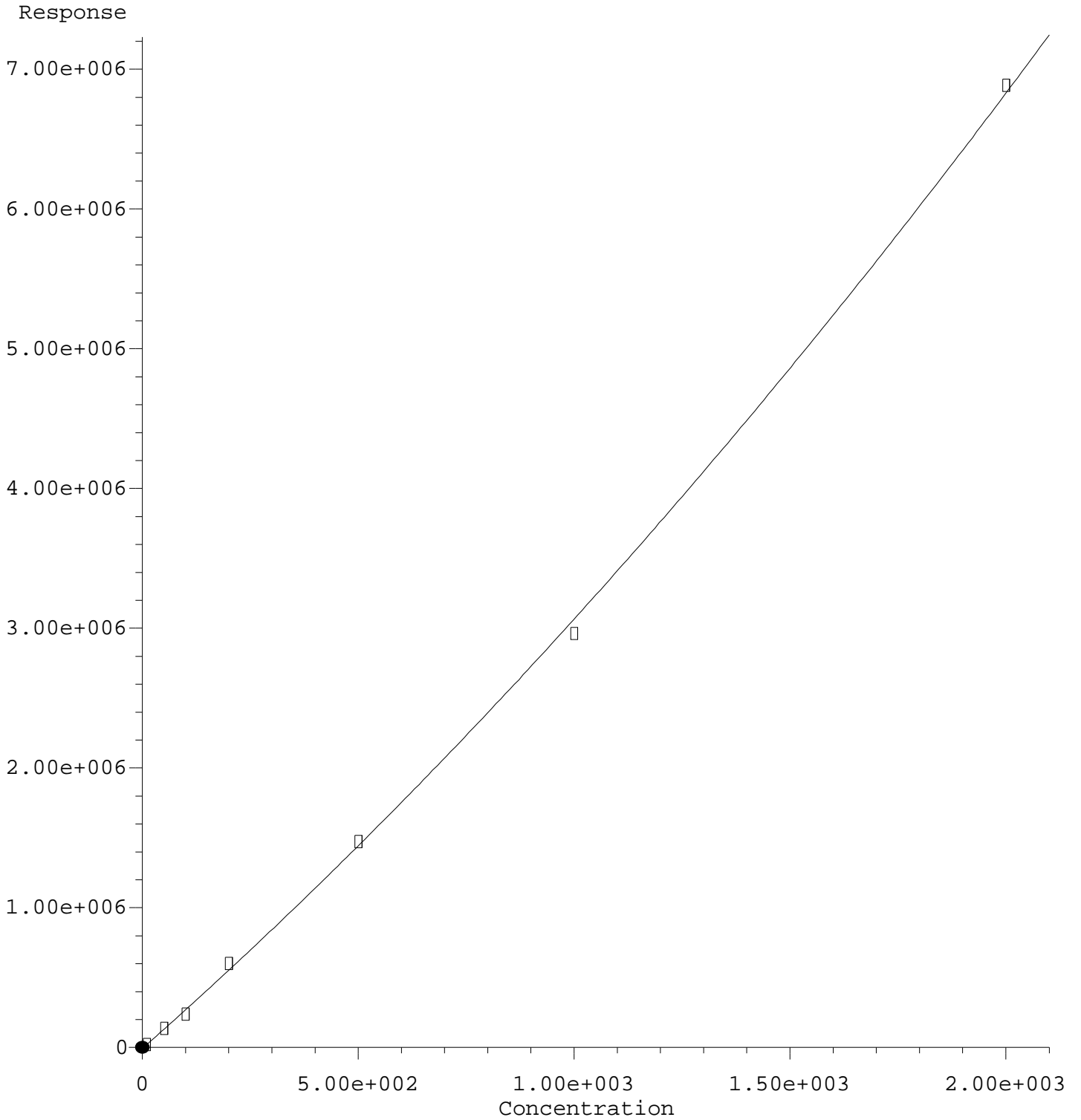
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(40) Toxaphene (5)
8.659min 4.704 ng/mL m
response 4194

(40) Toxaphene (5) #2
8.901min 9.431 ng/mL
response 18118

Toxaphene (6)



$$R = 3.46e-001 A^2 + 2.73e+003 A - 5.86e+003$$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)

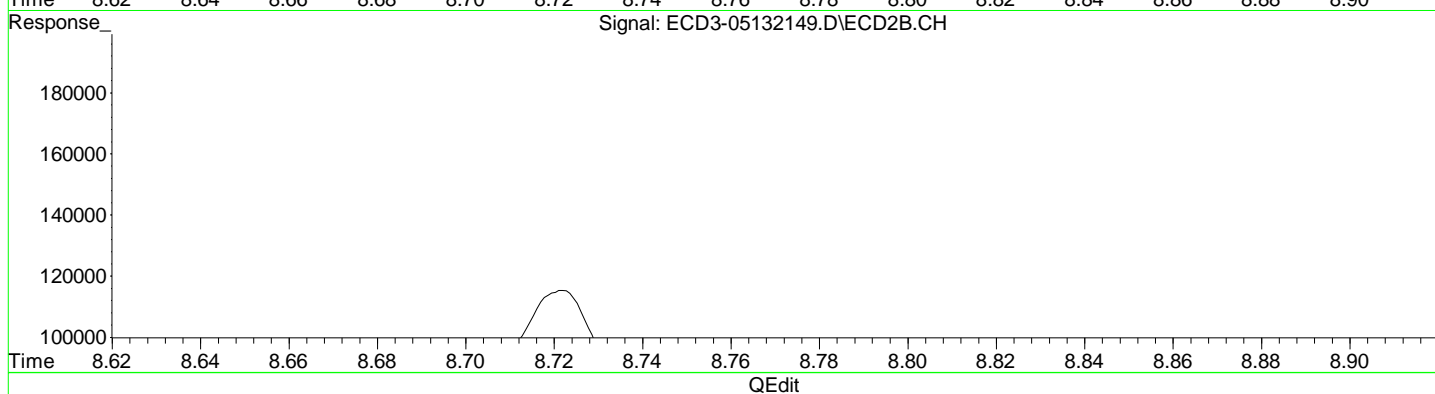
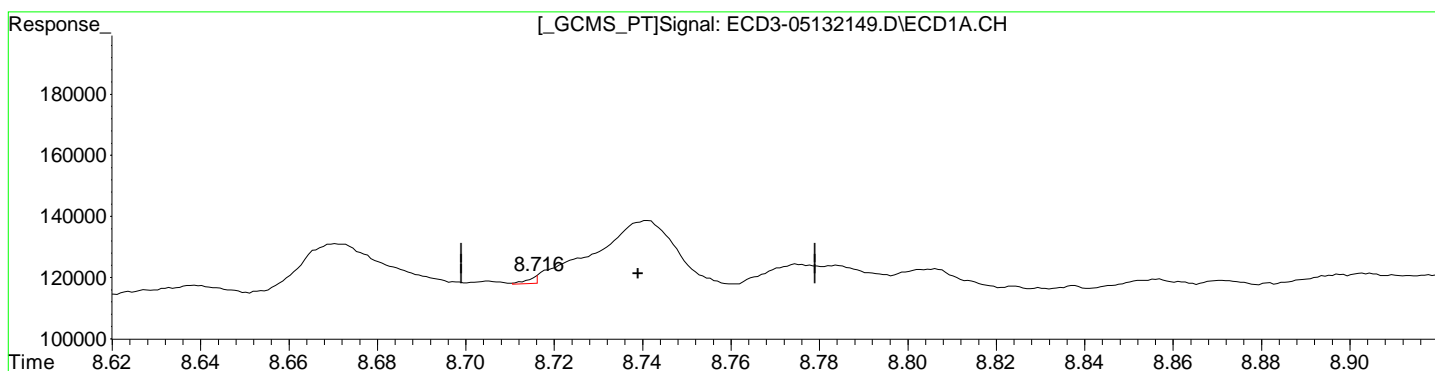
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

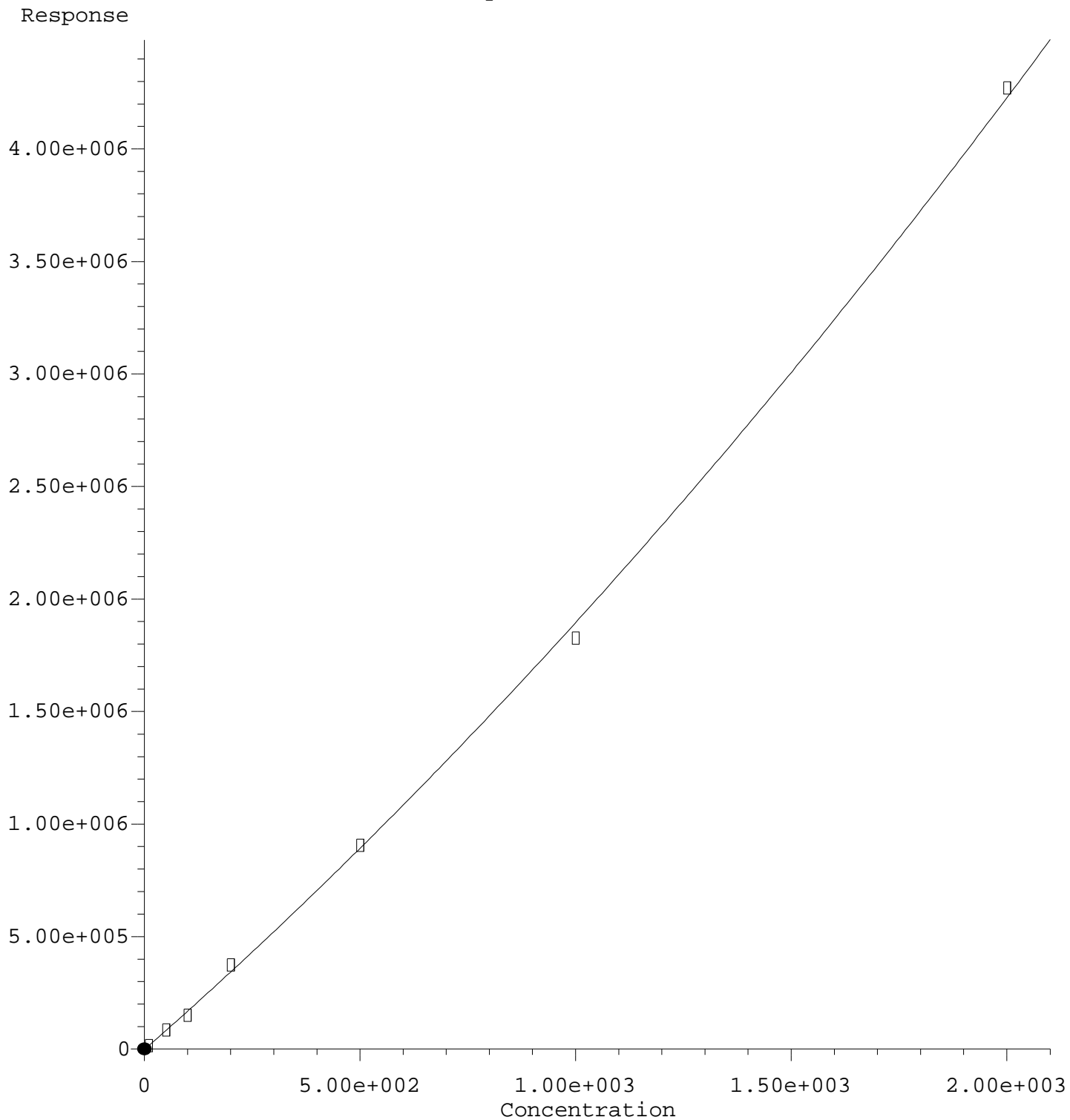
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(41) Toxaphene (6)
8.716min 3.065 ng/mL m
response 2499

(41) Toxaphene (6) #2
9.270min 10.001 ng/mL
response 15218

Toxaphene (6) #2



$R = 2.18e-001 A^2 + 1.68e+003 A - 1.60e+003$

Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w($1/a^2$)

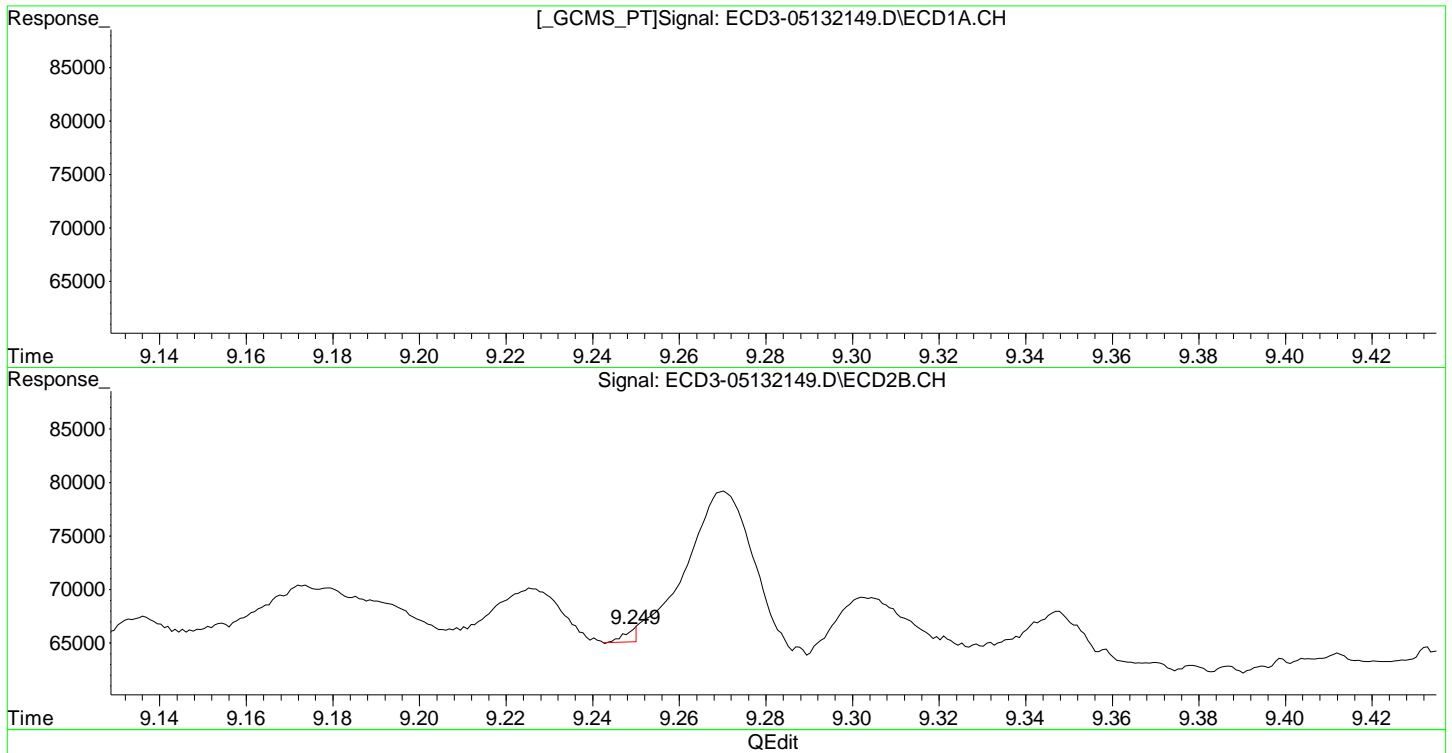
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M

Calibration Table Last Updated: Fri May 14 12:23:40 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 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: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(41) Toxaphene (6)
8.716min 3.065 ng/mL m
response 2499

(41) Toxaphene (6) #2
9.249min 1.673 ng/mL m
response 1207

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132114.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:16
 Operator : MJB
 Sample : 1E13026-ICB1
 Misc : A21E029
 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: May 14 14:49:27 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.827	16741295	10095719	96.560	98.629
22) S DCBP (S)	9.678	10.320	11978952	6326680	91.677	97.881
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.399f	0	11844	N.D.	0.094 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.493	7.959	16009	18135	0.083	0.160 #
10) cis-Chlor...	7.611	0.000	36297	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.652	0.000	9208	0	0.048	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	8.618	0.000	4427	0	0.078	N.D. #
21) Endrin Ke...	8.983f	9.496	3736	53340	0.025	0.647 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.864	0.000	27119	0	BelowCal	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	7.959f	0	18135	N.D.	BelowCal
27) trans-Non...	7.611	0.000	36297	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.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132114.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:16
 Operator : MJB
 Sample : 1E13026-ICB1
 Misc : A21E029
 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: May 14 14:49:27 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

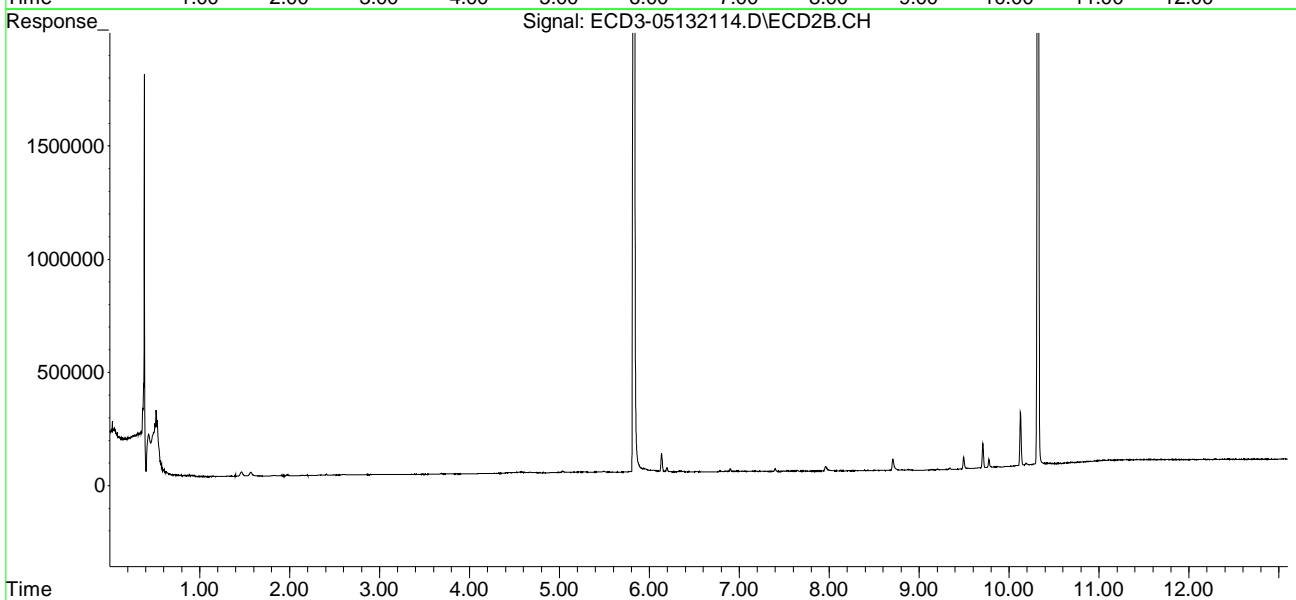
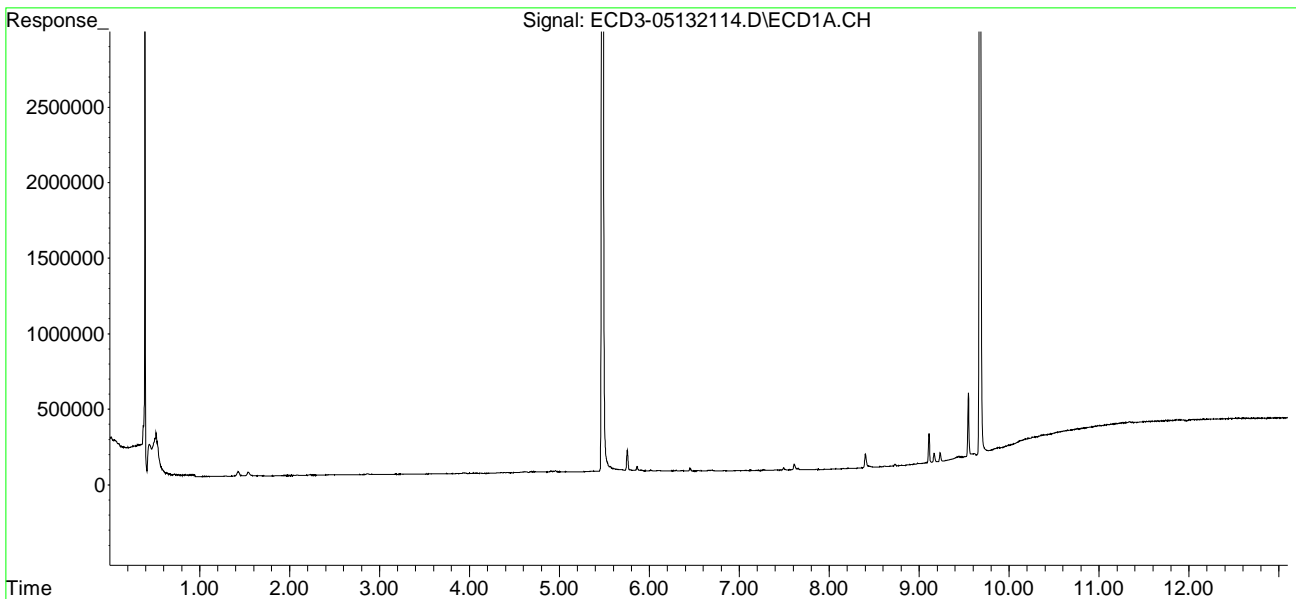
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	8.730	9.496f	11480	53340	BelowCal	0.277
32)	Chlordane...	7.493	7.959	16009	18135	0.731	1.323 #
33)	Chlordane...	7.611	0.000	36297	0	1.638	N.D. #
34)	Chlordane...	0.000	8.708	0	48492	N.D.	14.498 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.611f	0.000	36297	0	44.874	N.D. #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.450	8.708	8516	48492	BelowCal	8.879
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	8.730	0.000	11480	0	6.354	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:16
Operator : MJB
Sample : 1E13026-ICB1
Misc : A21E029
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: May 14 14:49:27 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132114.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:16
 Operator : MJB
 Sample : 1E13026-ICB1
 Misc : A21E029
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:49:27 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.827	16741295	10095719	96.560	98.629
22) S DCBP (S)	9.678	10.320	11978952	6326680	91.677	97.881
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.399f	0	11844	N.D.	0.094 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.493	7.959	16009	18135	0.083	0.160 #
10) cis-Chlor...	7.611	0.000	36297	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.652	0.000	9208	0	0.048	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	8.618	0.000	4427	0	0.078	N.D. #
21) Endrin Ke...	8.983f	9.496	3736	53340	0.025	0.647 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.864	0.000	27119	0	BelowCal	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	7.959f	0	18135	N.D.	BelowCal
27) trans-Non...	7.611	0.000	36297	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.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132114.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:16
 Operator : MJB
 Sample : 1E13026-ICB1
 Misc : A21E029
 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: May 14 14:49:27 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

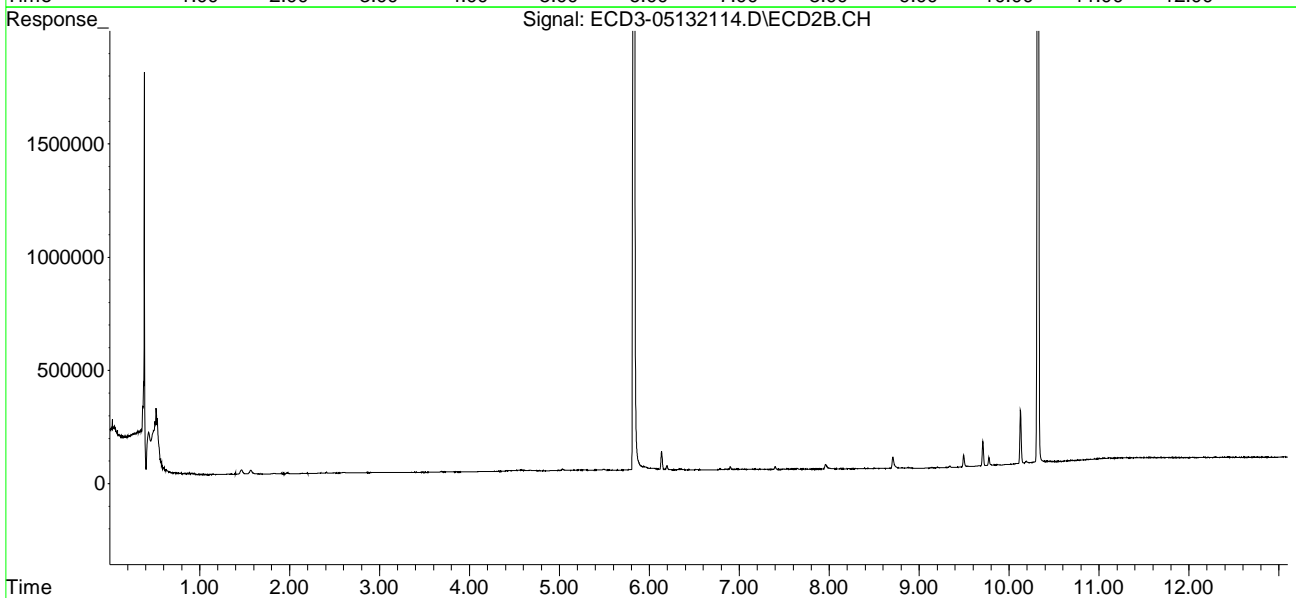
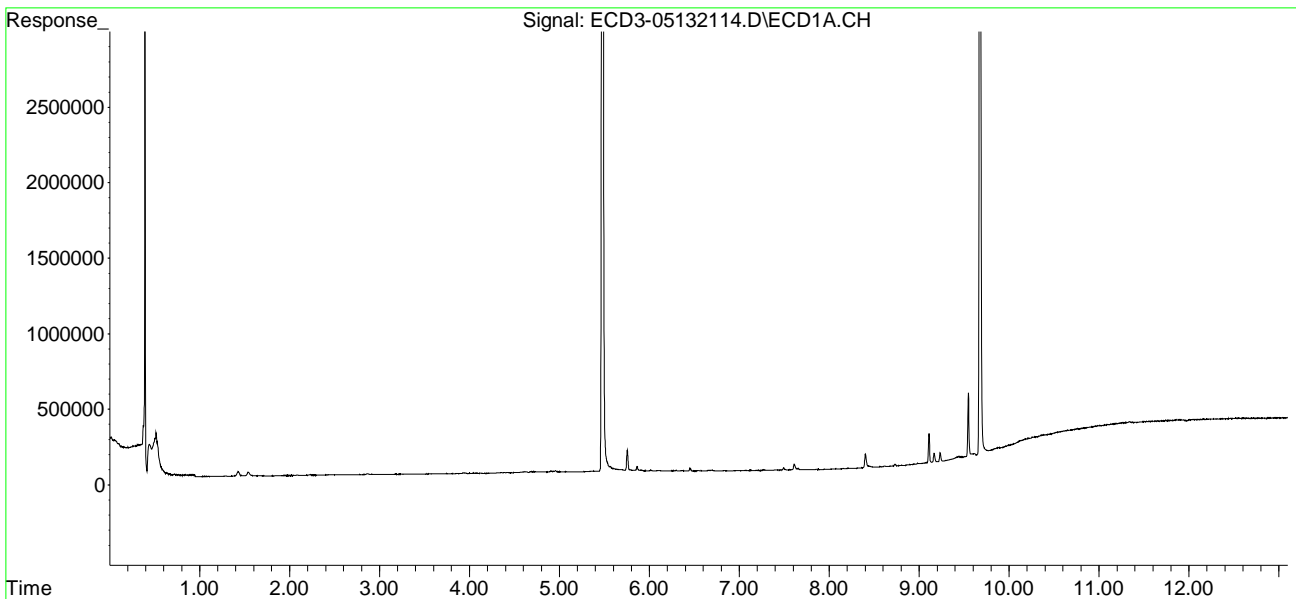
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	8.730	9.496f	11480	53340	BelowCal	0.277
32)	Chlordane...	7.493	7.959	16009	18135	0.731	1.323 #
33)	Chlordane...	7.611	0.000	36297	0	1.638	N.D. #
34)	Chlordane...	0.000	8.708	0	48492	N.D.	14.498 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.611f	0.000	36297	0	44.874	N.D. #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.450	8.708	8516	48492	BelowCal	8.879
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	8.730	0.000	11480	0	6.354	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:16
Operator : MJB
Sample : 1E13026-ICB1
Misc : A21E029
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: May 14 14:49:27 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132127.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:03
 Operator : MJB
 Sample : 1E13026-IBL1
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:50:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.677	0.000	4093	0	0.031	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	7.970f	0	10562	N.D.	0.093 #
10) cis-Chlor...	7.619	0.000	21649	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.658	0.000	5684	0	0.030	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	8.772f	0	2192	N.D.	0.034 #
18) Endrin Al...	8.505	8.901	12781	7017	5773.475	8826.890 #
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...	9.011	0.000	2212	0	0.015	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	0.000	7.970f	0	10562	N.D.	BelowCal
27) trans-Non...	7.619f	8.003	21649	2636	BelowCal	BelowCal
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132127.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:03
 Operator : MJB
 Sample : 1E13026-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: May 14 14:50:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

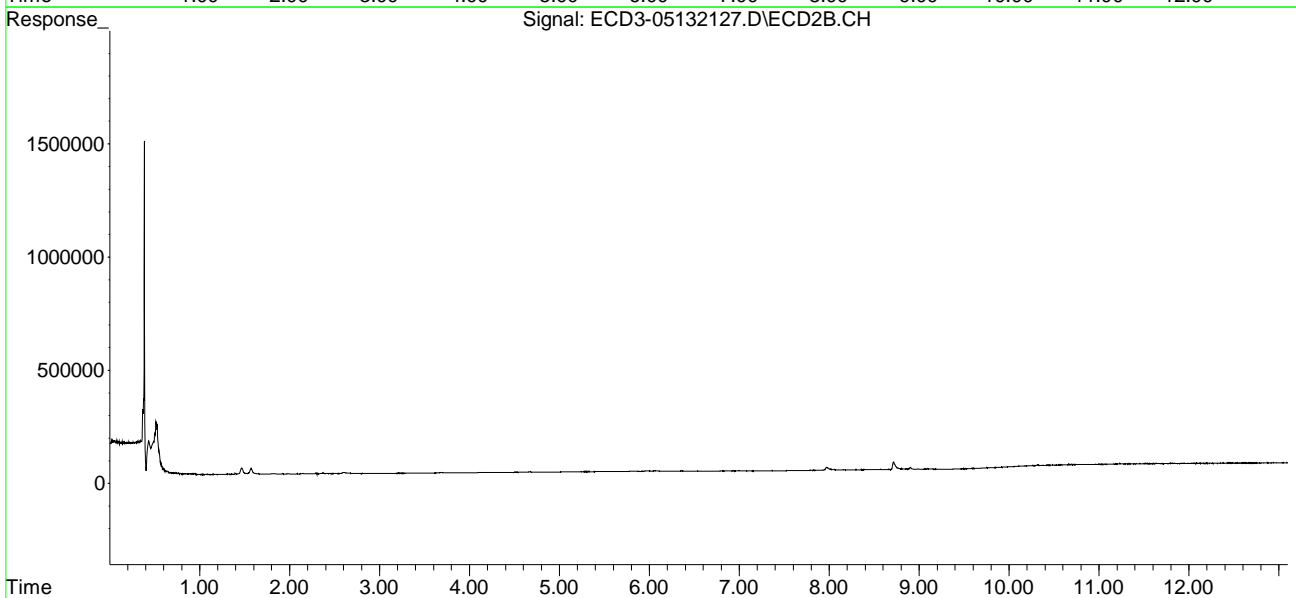
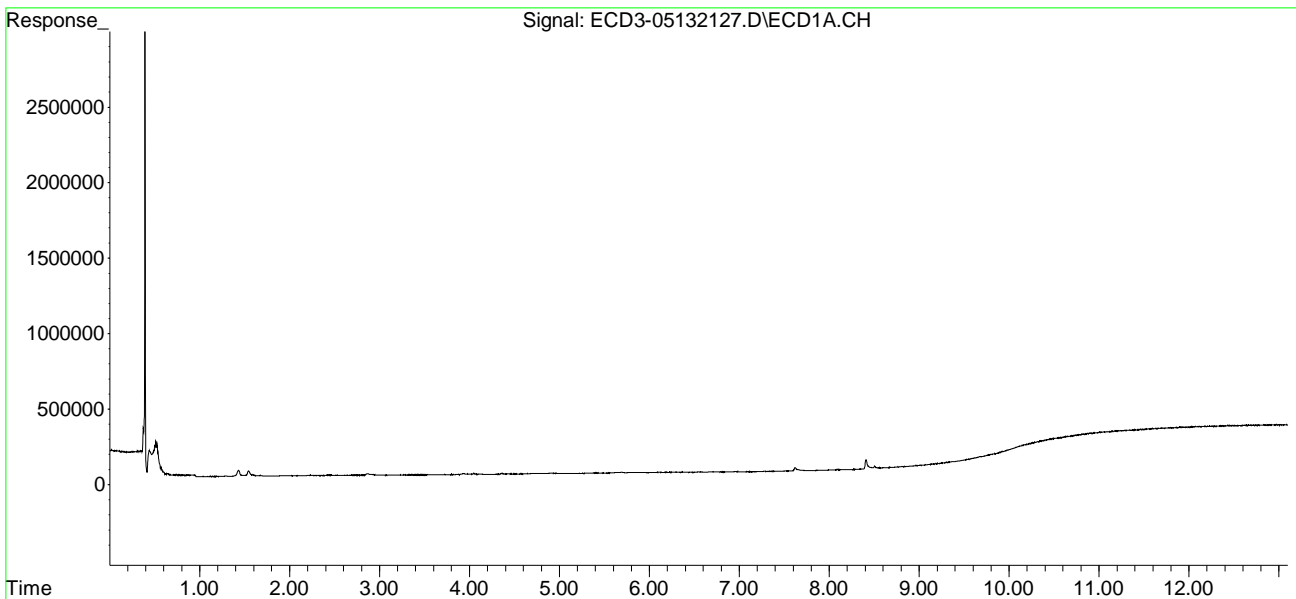
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.
32)	Chlordane...	0.000	7.970f	0	10562	N.D.	0.770 #
33)	Chlordane...	7.619	0.000	21649	0	0.977	N.D. #
34)	Chlordane...	0.000	8.715	0	32362	N.D.	9.676 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.619f	0.000	21649	0	27.941	N.D. #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.456	8.715	7722	32362	BelowCal	3.321
40)	Toxaphene...	0.000	8.901	0	7017	N.D.	3.653 #
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:03
Operator : MJB
Sample : 1E13026-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: May 14 14:50:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132128.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:20
 Operator : MJB
 Sample : 1E13026-ICV1
 Misc : A21E328, AB 50 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: May 14 14:50:59 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	8516581	5098769	49.122	49.812
22) S DCBP (S)	9.677	10.318	6181272	3392400	47.306	51.944
Target Compounds						
2) a-BHC	6.027	6.420	11916067	7173984	50.484	49.689
3) g-BHC	6.312	6.735	10407153	6342637	51.164	50.968
4) b-BHC	6.391	6.801	4360782	2731722	48.143	48.660
5) Heptachlor	6.708	7.107	8620142	5343020	45.573	47.105
6) d-BHC	6.541	7.049	9478783	5738699	51.337	51.762
7) Aldrin	6.949	7.369	11102077	6545052	52.316	52.101
8) Heptachlo...	7.417	7.804	8714381	5261276	47.241	48.063
9) trans-Chl...	7.509	7.944	9254351	5440316	48.028	48.099
10) cis-Chlor...	7.607	8.050	8893779	5236109	49.501	47.632
11) Endosulfa...	7.709	8.098	8378003	4905544	48.852	48.940
12) 4,4'-DDE	7.660	8.156	9495674	5749876	49.939	52.108
13) Dieldrin	7.882	8.297	9648741	5710906	50.399	51.360
14) Endrin	8.050	8.518	7123140	4113590	49.085	48.955
15) 4,4'-DDD	8.087	8.568	7329361	4410374	50.755	52.176
16) Endosulfa...	8.209	8.666	7438729	4553490	51.160	51.757
17) 4,4'-DDT	8.283	8.793	5542739	3249472	48.918	51.014
18) Endrin Al...	8.504	8.900	5544813	3417295	47.895	48.255
19) Endosulfa...	8.808	9.094	6587913	3776923	49.247	52.354
20) Methoxychlor	8.614	9.258	2560295	1554874	45.056	44.268
21) Endrin Ke...	9.006	9.480	7349528	4122217	49.321	50.029
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.864	0.000	16455	0	BelowCal	N.D.
25) Oxychlorane	7.349	7.712f	5177	14917	BelowCal	BelowCal
26) 2,4'-DDE	7.417	7.944	8714381	5440316	73.718	76.169
27) trans-Non...	7.607	7.993	8893779	40614	50.620	BelowCal #
28) 2,4'-DDD	7.797	8.297	28959	5710906	BelowCal	92.689
29) 2,4'-DDT	7.966	8.518	25752	4113590	BelowCal	80.636

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132128.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:20
 Operator : MJB
 Sample : 1E13026-ICV1
 Misc : A21E328, AB 50 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: May 14 14:50:59 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

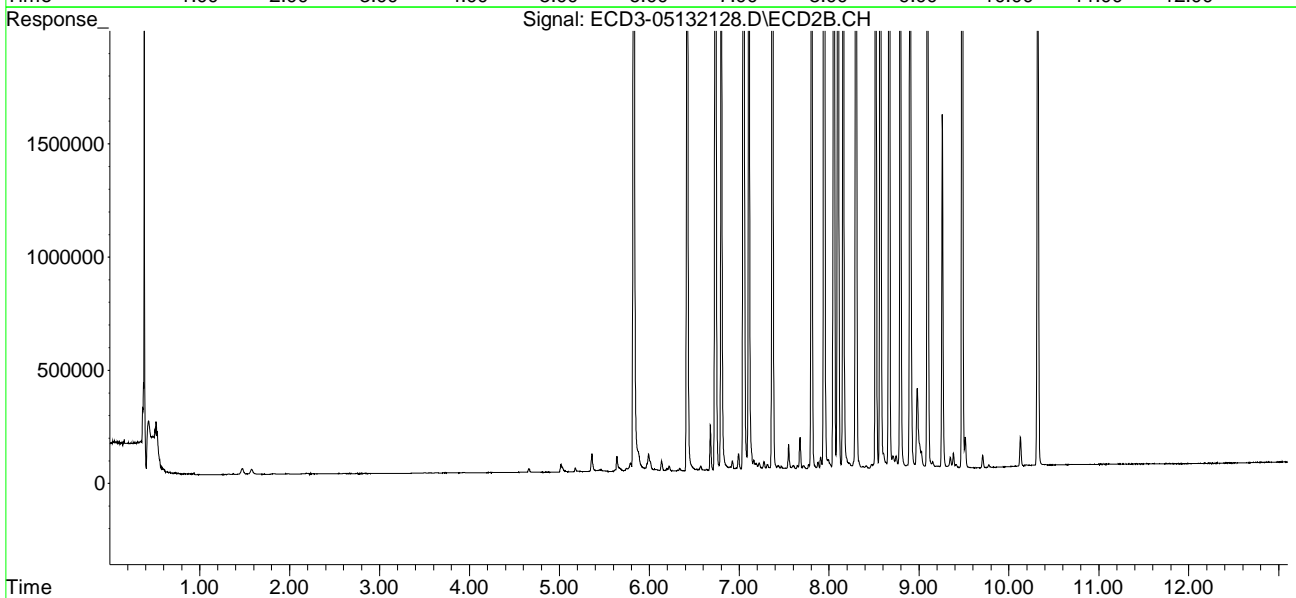
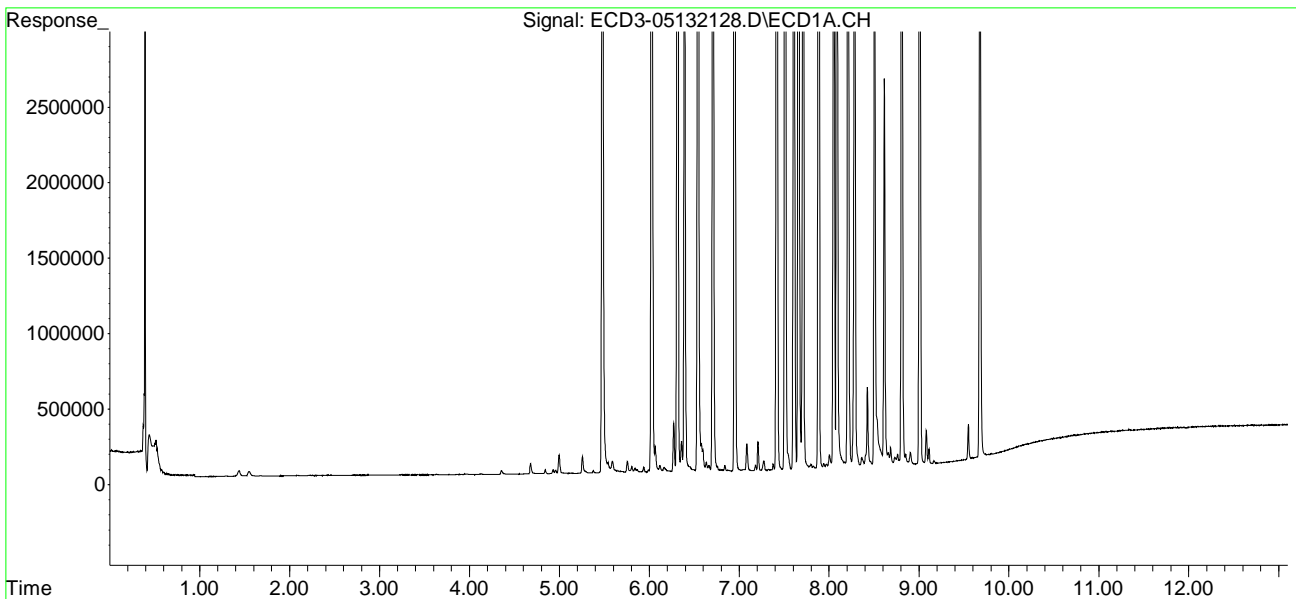
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.087	8.568	7329361	4410374	40.122	41.580
31)	Mirex	8.730	9.480	50210	4122217	BelowCal	66.316
32)	Chlordane...	7.509	7.944	9254351	5440316	422.804	396.780
33)	Chlordane...	7.607	8.050	8893779	5236109	401.461	443.579
34)	Chlordane...	8.174	8.710	34405	52108	6.038	15.579 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.297f	8893779	5710906	7730.339	4834.195
37)	Toxaphene...	7.882	8.605	9648741	64838	5460.279	52.529 #
38)	Toxaphene...	8.209	8.666	7438729	4553490	1991.902	2178.137
39)	Toxaphene...	8.425	8.710	524386	52108	159.631	10.124 #
40)	Toxaphene...	8.656	8.900	85902	3417295	40.482	1778.888 #
41)	Toxaphene...	8.730	9.258	50210	1554874	20.509	835.987 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:20
Operator : MJB
Sample : 1E13026-ICV1
Misc : A21E328, AB 50 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: May 14 14:50:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132128.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:20
 Operator : MJB
 Sample : 1E13026-ICV1
 Misc : A21E328, AB 50 ppb
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:50:59 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	8516581	5098769	49.122	49.812
22) S DCBP (S)	9.677	10.318	6181272	3392400	47.306	51.944
Target Compounds						
2) a-BHC	6.027	6.420	11916067	7173984	50.484	49.689
3) g-BHC	6.312	6.735	10407153	6342637	51.164	50.968
4) b-BHC	6.391	6.801	4360782	2731722	48.143	48.660
5) Heptachlor	6.708	7.107	8620142	5343020	45.573	47.105
6) d-BHC	6.541	7.049	9478783	5738699	51.337	51.762
7) Aldrin	6.949	7.369	11102077	6545052	52.316	52.101
8) Heptachlo...	7.417	7.804	8714381	5261276	47.241	48.063
9) trans-Chl...	7.509	7.944	9254351	5440316	48.028	48.099
10) cis-Chlor...	7.607	8.050	8893779	5236109	49.501	47.632
11) Endosulfa...	7.709	8.098	8378003	4905544	48.852	48.940
12) 4,4'-DDE	7.660	8.156	9495674	5749876	49.939	52.108
13) Dieldrin	7.882	8.297	9648741	5710906	50.399	51.360
14) Endrin	8.050	8.518	7123140	4113590	49.085	48.955
15) 4,4'-DDD	8.087	8.568	7329361	4410374	50.755	52.176
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17) 4,4'-DDT	8.283	8.793	5542739	3249472	48.918	51.014
18) Endrin Al...	8.504	8.900	5544813	3417295	47.895	48.255
19) Endosulfa...	8.808	9.094	6587913	3776923	49.247	52.354
20) Methoxychlor	8.614	9.258	2560295	1554874	45.056	44.268
21) Endrin Ke...	9.006	9.480	7349528	4122217	49.321	50.029
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.864	0.000	16455	0	BelowCal	N.D.
25) Oxychlorane	7.349	7.712f	5177	14917	BelowCal	BelowCal
26) 2,4'-DDE	7.417	7.944	8714381	5440316	73.718	76.169
27) trans-Non...	7.607	7.993	8893779	40614	50.620	BelowCal #
28) 2,4'-DDD	7.797	8.297	28959	5710906	BelowCal	92.689
29) 2,4'-DDT	7.966	8.518	25752	4113590	BelowCal	80.636

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132128.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:20
 Operator : MJB
 Sample : 1E13026-ICV1
 Misc : A21E328, AB 50 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: May 14 14:50:59 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

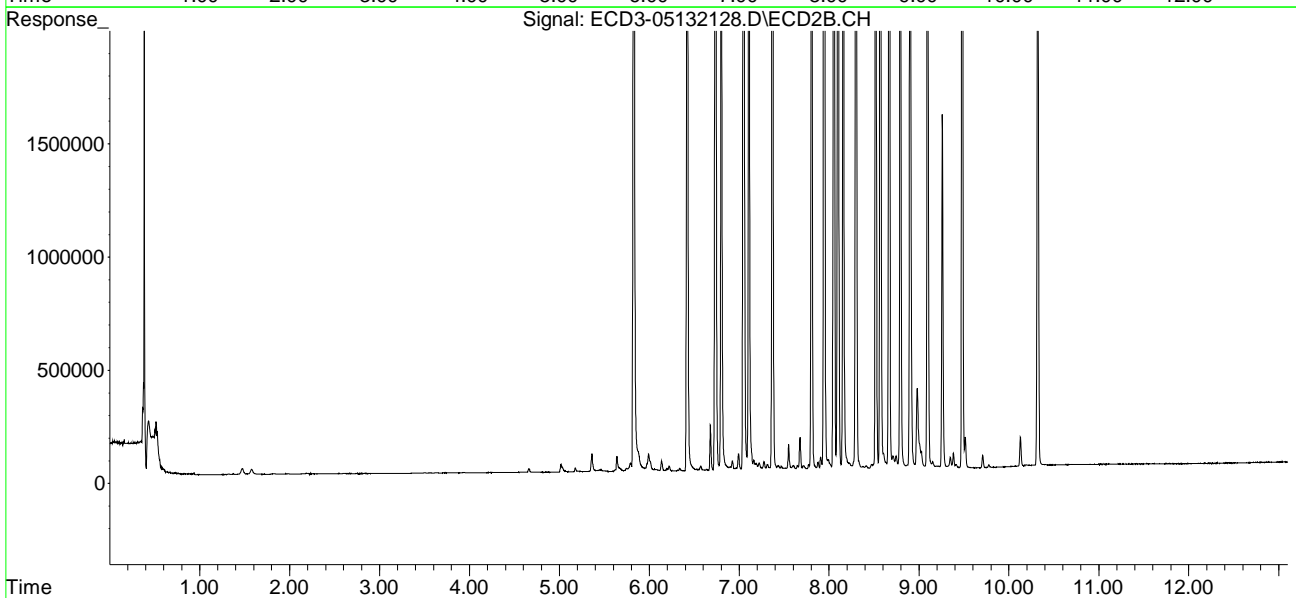
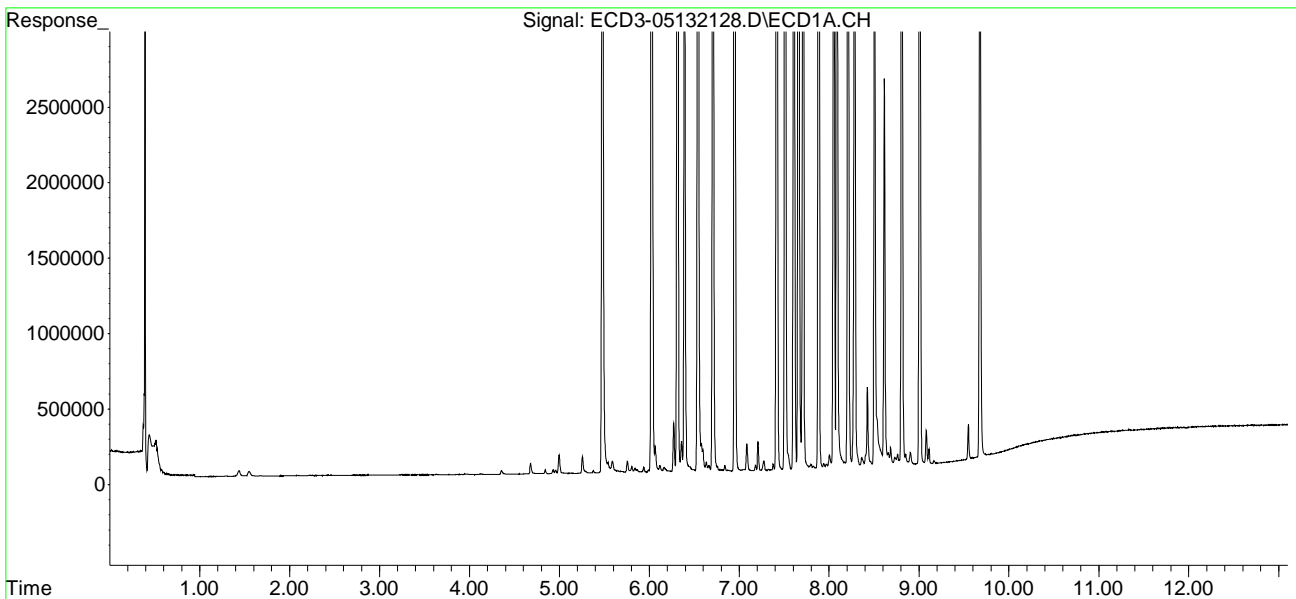
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.087	8.568	7329361	4410374	40.122	41.580
31)	Mirex	8.730	9.480	50210	4122217	BelowCal	66.316
32)	Chlordane...	7.509	7.944	9254351	5440316	422.804	396.780
33)	Chlordane...	7.607	8.050	8893779	5236109	401.461	443.579
34)	Chlordane...	8.174	8.710	34405	52108	6.038	15.579 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.297f	8893779	5710906	7730.339	4834.195
37)	Toxaphene...	7.882	8.605	9648741	64838	5460.279	52.529 #
38)	Toxaphene...	8.209	8.666	7438729	4553490	1991.902	2178.137
39)	Toxaphene...	8.425	8.710	524386	52108	159.631	10.124 #
40)	Toxaphene...	8.656	8.900	85902	3417295	40.482	1778.888 #
41)	Toxaphene...	8.730	9.258	50210	1554874	20.509	835.987 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:20
Operator : MJB
Sample : 1E13026-ICV1
Misc : A21E328, AB 50 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: May 14 14:50:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132138.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:14
 Operator : MJB
 Sample : 1E13026-IBL2
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:51:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.678	0.000	1596	0	0.012	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	7.981f	0	8863	N.D.	0.078 #
10) cis-Chlor...	7.630f	0.000	13008	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.653	0.000	7067	0	0.037	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...	8.474f	0.000	3105	0	5773.559	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	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	7.630f	8.008	13008	4790	BelowCal	BelowCal
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132138.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:14
 Operator : MJB
 Sample : 1E13026-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: May 14 14:51:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

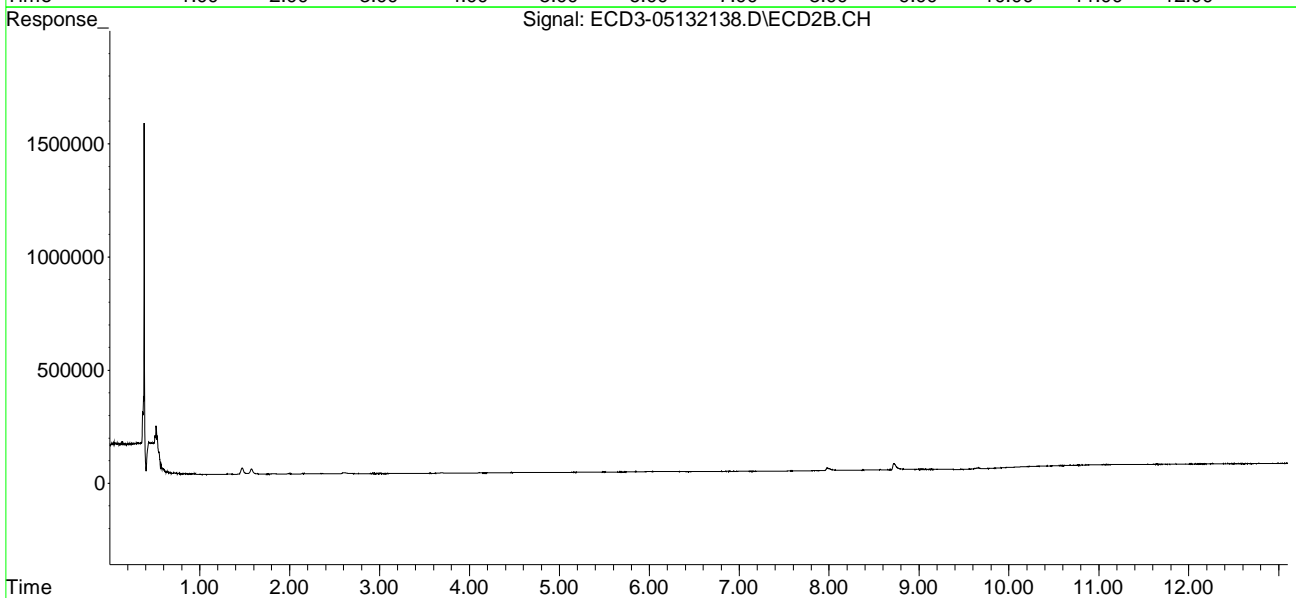
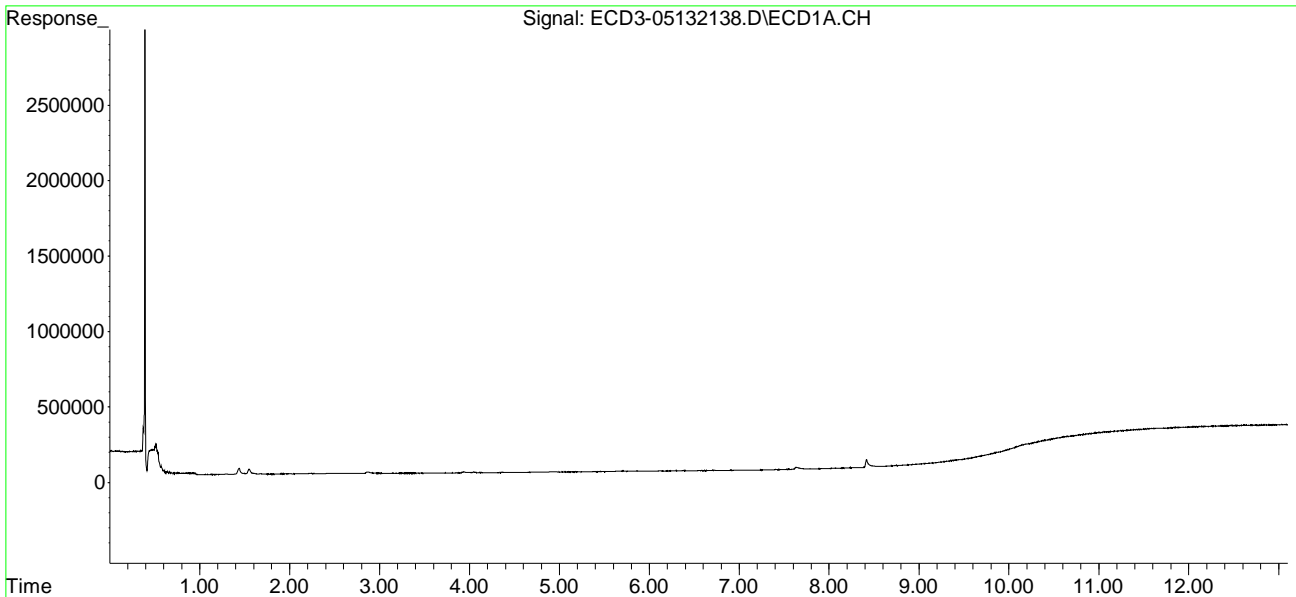
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.
32)	Chlordane...	0.000	7.981f	0	8863	N.D.	0.646 #
33)	Chlordane...	7.630f	0.000	13008	0	0.587	N.D. #
34)	Chlordane...	0.000	8.719	0	27124	N.D.	8.110 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.413f	8.719	47934	27124	11.196	1.515 #
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...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 20:14
Operator : MJB
Sample : 1E13026-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: May 14 14:51:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132139.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:32
 Operator : MJB
 Sample : 1E13026-ICV2
 Misc : A21C333, 9-42 50 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

~~MJB 5/14/21~~

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:52:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.451f	5.864f	61684	38112	0.356	0.372
22) S DCBP (S)	9.683	0.000	2949	0	0.023	N.D. #
Target Compounds						
2) a-BHC	6.023	6.434	4244	6905	0.018	0.048 #
3) g-BHC	6.304	0.000	13756	0	0.068	N.D. #
4) b-BHC	0.000	6.810	0	9163	N.D.	0.163 #
5) Heptachlor	6.709	7.107	28749	18324	0.152	0.162
6) d-BHC	0.000	7.058	0	5228	N.D.	0.047 #
7) Aldrin	0.000	7.358	0	7300	N.D.	0.058 #
8) Heptachlo...	7.409	7.842f	6126759	89850	33.214	0.821 #
9) trans-Chl...	7.510	7.932	50250	3840163	0.261	33.952 #
10) cis-Chlor...	7.594	0.000	9278842	0	51.620	N.D. #
11) Endosulfa...	7.691	8.116	53538	31820	0.312	0.317
12) 4,4'-DDE	7.691f	0.000	53538	0	0.282	N.D. #
13) Dieldrin	7.875	8.302	23817	3316338	0.124	29.825 #
14) Endrin	8.070f	8.523	9761341	2911262	67.265	34.647 #
15) 4,4'-DDD	8.070	8.567	9761341	5659535	67.596	66.954
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.502	8.909	23619	5937	5773.382	8826.905 #
19) Endosulfa...	8.785f	0.000	29819	0	0.223	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.470	0	3294724	N.D.	39.986 #
23) Hexachlor...	3.282	3.546	9459088	6750080	56.317	56.723
24) Hexachlor...	5.864	6.289	8821883	5181004	52.201	52.005
25) Oxychlorane	7.341	7.735	8143305	4933012	54.830	56.104
26) 2,4'-DDE	7.409	7.932	6126759	3840163	51.905	53.855
27) trans-Non...	7.594	8.010	9278842	5583462	52.789	54.070
28) 2,4'-DDD	7.786	8.302	5410709	3316338	53.540	54.591
29) 2,4'-DDT	7.967	8.523	4798401	2911262	56.682	58.177

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132139.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:32
 Operator : MJB
 Sample : 1E13026-ICV2
 Misc : A21C333, 9-42 50 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: May 14 14:52:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

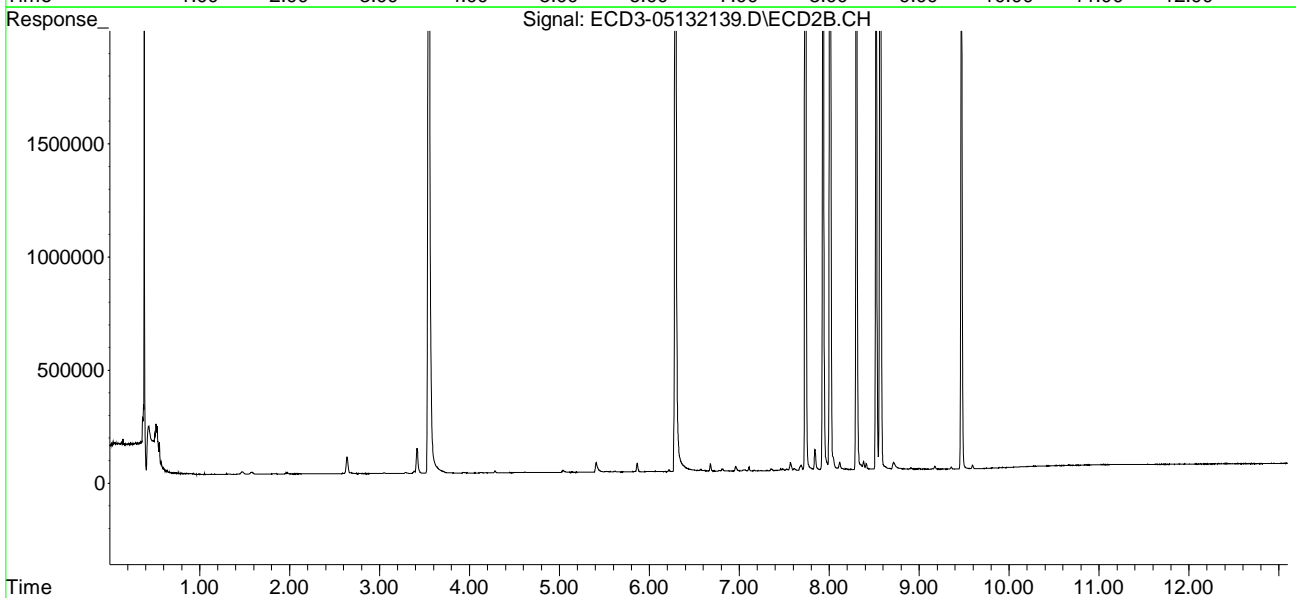
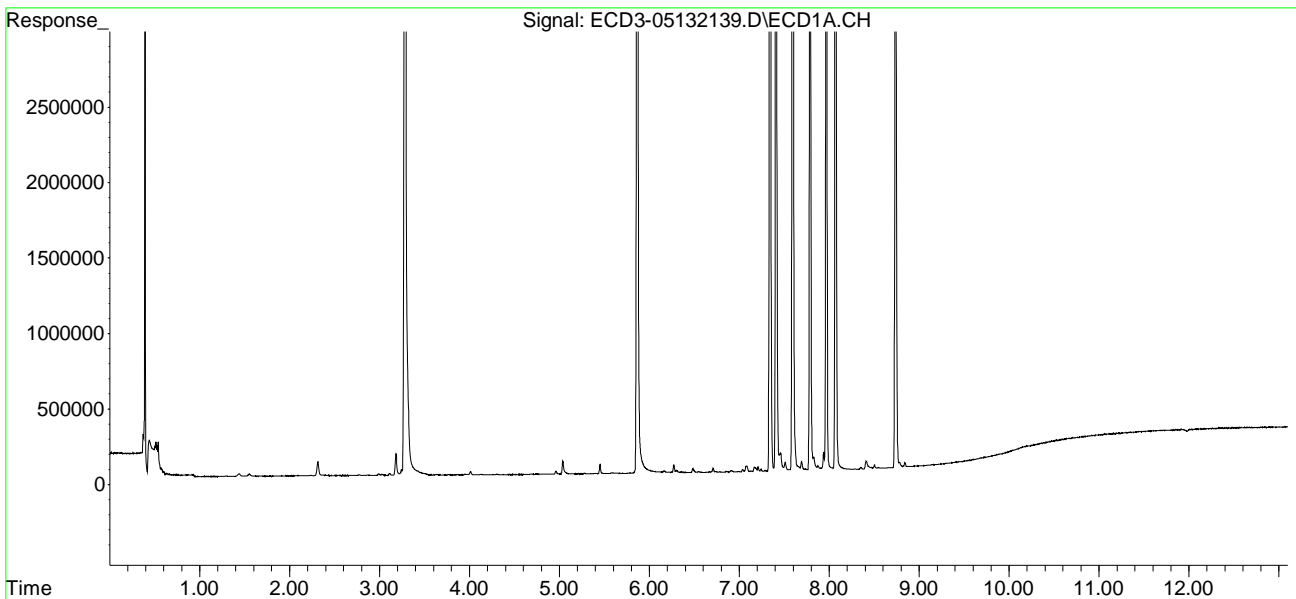
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.567	9761341	5659535	53.280	53.402
31)	Mirex	8.737	9.470	5850642	3294724	53.137	52.895
32)	Chlordane...	7.510	7.932	50250	3840163	2.296	280.075 #
33)	Chlordane...	7.594	8.010f	9278842	5583462	418.842	473.006
34)	Chlordane...	0.000	8.716	0	28263	N.D.	8.450 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.594	8.302f	9278842	3316338	7996.043	2807.229 #
37)	Toxaphene...	7.875	0.000	23817	0	13.478	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.410f	8.716	51329	28263	12.272	1.908 #
40)	Toxaphene...	0.000	8.909	0	5937	N.D.	3.091 #
41)	Toxaphene...	8.737	0.000	5850642	0	1756.481	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 20:32
Operator : MJB
Sample : 1E13026-ICV2
Misc : A21C333, 9-42 50 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: May 14 14:52:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132139.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:32
 Operator : MJB
 Sample : 1E13026-ICV2
 Misc : A21C333, 9-42 50 ppb
 ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:52:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.451f	5.864f	61684	38112	0.356	0.372
22) S DCBP (S)	9.683	0.000	2949	0	0.023	N.D. #
Target Compounds						
2) a-BHC	6.023	6.434	4244	6905	0.018	0.048 #
3) g-BHC	6.304	0.000	13756	0	0.068	N.D. #
4) b-BHC	0.000	6.810	0	9163	N.D.	0.163 #
5) Heptachlor	6.709	7.107	28749	18324	0.152	0.162
6) d-BHC	0.000	7.058	0	5228	N.D.	0.047 #
7) Aldrin	0.000	7.358	0	7300	N.D.	0.058 #
8) Heptachlo...	7.409	7.842f	6126759	89850	33.214	0.821 #
9) trans-Chl...	7.510	7.932	50250	3840163	0.261	33.952 #
10) cis-Chlor...	7.594	0.000	9278842	0	51.620	N.D. #
11) Endosulfa...	7.691	8.116	53538	31820	0.312	0.317
12) 4,4'-DDE	7.691f	0.000	53538	0	0.282	N.D. #
13) Dieldrin	7.875	8.302	23817	3316338	0.124	29.825 #
14) Endrin	8.070f	8.523	9761341	2911262	67.265	34.647 #
15) 4,4'-DDD	8.070	8.567	9761341	5659535	67.596	66.954
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.502	8.909	23619	5937	5773.382	8826.905 #
19) Endosulfa...	8.785f	0.000	29819	0	0.223	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.470	0	3294724	N.D.	39.986 #
23) Hexachlor...	3.282	3.546	9459088	6750080	56.317	56.723
24) Hexachlor...	5.864	6.289	8821883	5181004	52.201	52.005
25) Oxychlorane	7.341	7.735	8143305	4933012	54.830	56.104
26) 2,4'-DDE	7.409	7.932	6126759	3840163	51.905	53.855
27) trans-Non...	7.594	8.010	9278842	5583462	52.789	54.070
28) 2,4'-DDD	7.786	8.302	5410709	3316338	53.540	54.591
29) 2,4'-DDT	7.967	8.523	4798401	2911262	56.682	58.177

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132139.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:32
 Operator : MJB
 Sample : 1E13026-ICV2
 Misc : A21C333, 9-42 50 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: May 14 14:52:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

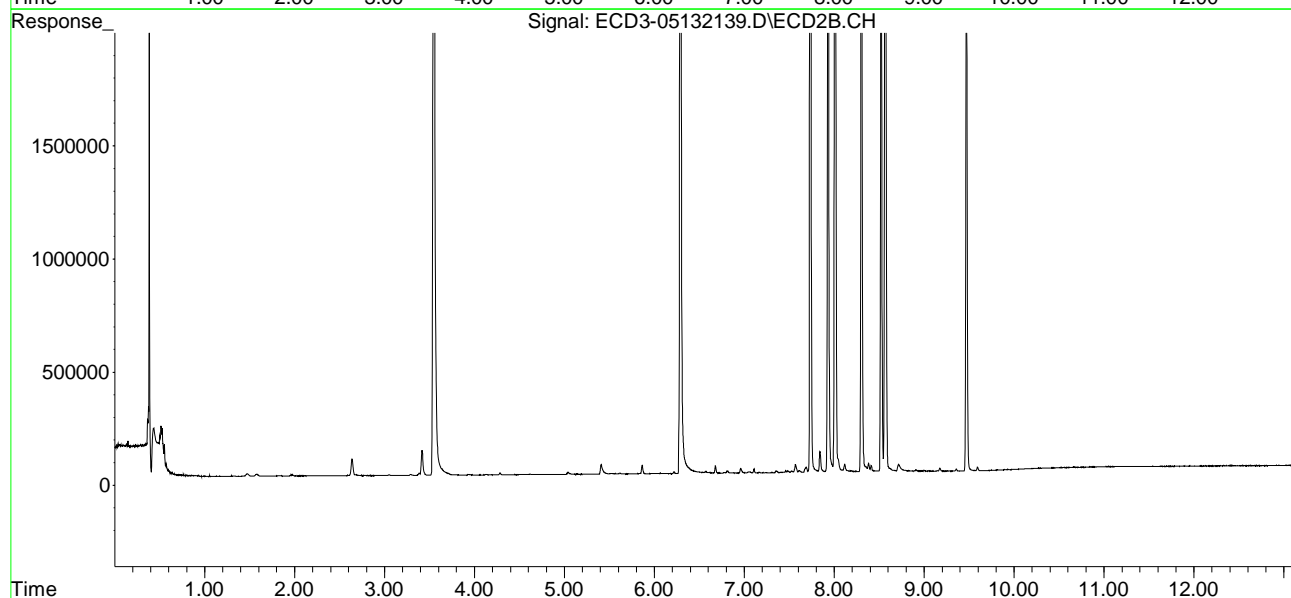
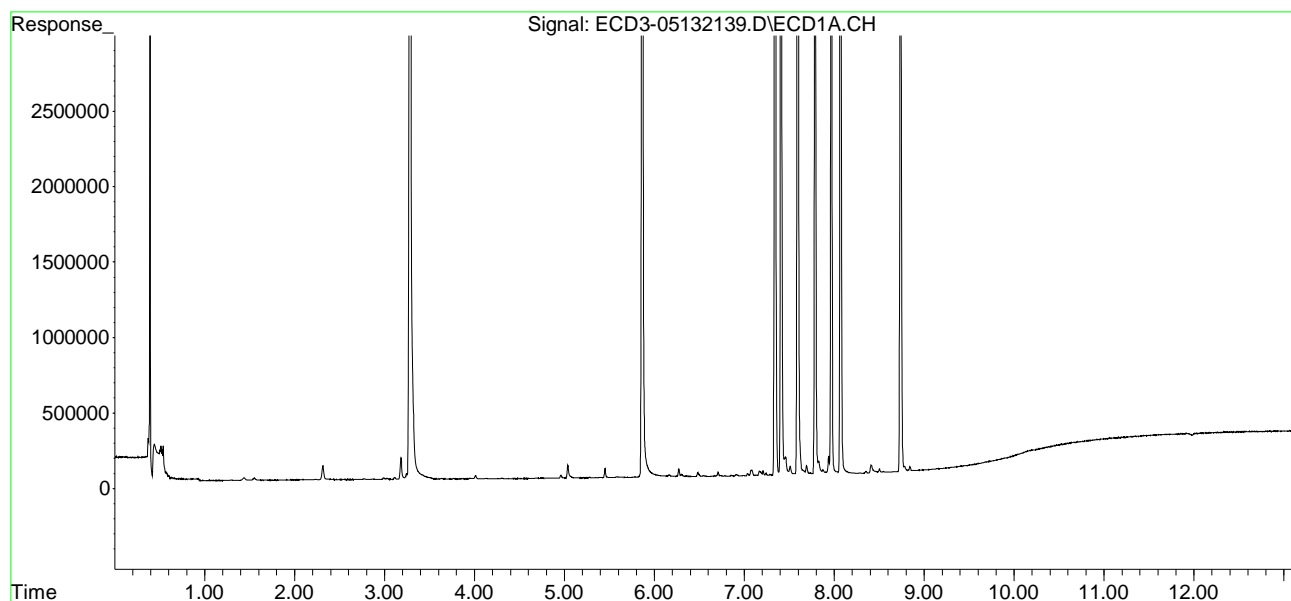
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.567	9761341	5659535	53.280	53.402
31)	Mirex	8.737	9.470	5850642	3294724	53.137	52.895
32)	Chlordane...	7.510	7.932	50250	3840163	2.296	280.075 #
33)	Chlordane...	7.594	8.010f	9278842	5583462	418.842	473.006
34)	Chlordane...	0.000	8.716	0	28263	N.D.	8.450 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.594	8.302f	9278842	3316338	7996.043	2807.229 #
37)	Toxaphene...	7.875	0.000	23817	0	13.478	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.410f	8.716	51329	28263	12.272	1.908 #
40)	Toxaphene...	0.000	8.909	0	5937	N.D.	3.091 #
41)	Toxaphene...	8.737	0.000	5850642	0	1756.481	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 20:32
Operator : MJB
Sample : 1E13026-ICV2
Misc : A21C333, 9-42 50 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: May 14 14:52:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132147.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:51
 Operator : MJB
 Sample : 1E13026-IBL3
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:52:38 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.683	0.000	1245	0	0.010	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	7.980f	0	7026	N.D.	0.062 #
10) cis-Chlor...	7.643f	0.000	7445	0	BelowCal	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.652	0.000	5917	0	0.031	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...	8.497	0.000	1424	0	5773.573	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	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	0.000	8.006	0	5737	N.D.	BelowCal
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132147.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:51
 Operator : MJB
 Sample : 1E13026-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: May 14 14:52:38 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

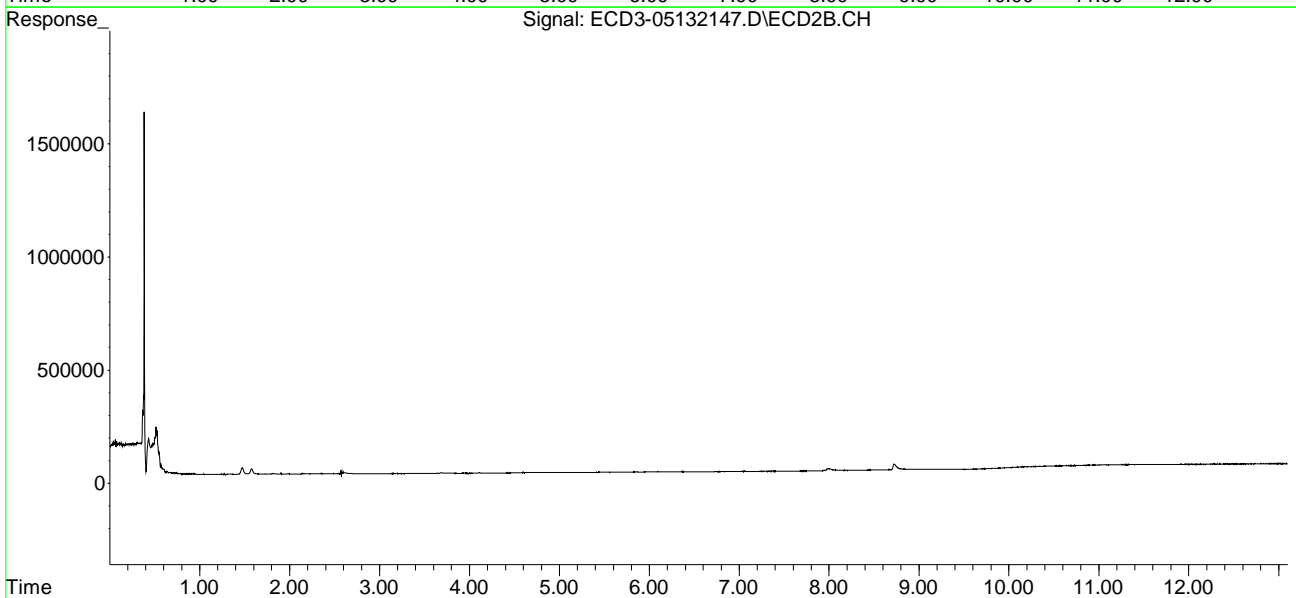
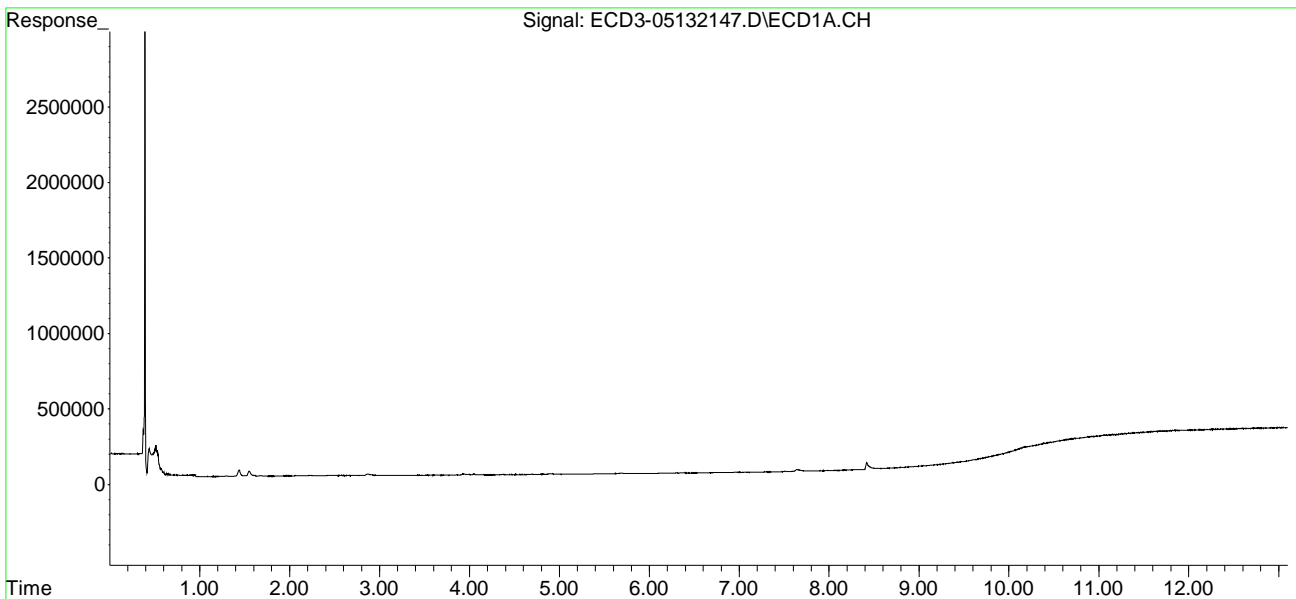
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.
32)	Chlordane...	0.000	7.980f	0	7026	N.D.	0.512 #
33)	Chlordane...	7.643f	0.000	7445	0	0.336	N.D. #
34)	Chlordane...	0.000	8.723f	0	23726	N.D.	7.094 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.416f	8.723	42304	23726	9.411	0.343 #
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...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132147.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 22:51
Operator : MJB
Sample : 1E13026-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: May 14 14:52:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132148.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:08
 Operator : MJB
 Sample : 1E13026-ICV3
 Misc : A20L144, CHLOR 500 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: May 14 14:52:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.864f	0	325845	N.D.	3.183 #
22) S DCBP (S)	9.693	10.286f	19240	3770	0.147	5536.521 #
Target Compounds						
2) a-BHC	6.019	6.451f	6364	144101	0.027	0.998 #
3) g-BHC	6.322	6.747	18975	90359	0.093	0.726 #
4) b-BHC	6.402	6.837f	123657	220066	1.365	3.920 #
5) Heptachlor	6.708	7.106	4481635	2679983	23.693	23.627
6) d-BHC	6.555	7.045	136524	32307	0.739	0.291 #
7) Aldrin	6.961	7.378	77878	39658	0.367	0.316
8) Heptachlo...	7.422	7.821	716904	178445	3.886	1.630 #
9) trans-Chl...	7.510	7.943	10738710	6822573	55.731	60.320
10) cis-Chlor...	7.605	8.049	10855485	5821829	60.271	52.961
11) Endosulfa...	7.724	8.112	296570	102264	1.729	1.020 #
12) 4,4'-DDE	7.667	8.149	302877	181897	1.593	1.648
13) Dieldrin	7.894	8.299	357967	375115	1.870	3.374 #
14) Endrin	8.070f	8.520	1817443	135746	12.524	1.615 #
15) 4,4'-DDD	8.070	8.567	1817443	1157089	12.586	13.689
16) Endosulfa...	8.208	8.657	220529	127385	1.517	1.448
17) 4,4'-DDT	8.249f	8.804	94659	62659	0.835	0.984
18) Endrin Al...	8.519	8.927f	47408	294770	0.081	3.838 #
19) Endosulfa...	8.804	9.115f	101570	32148	0.759	0.446 #
20) Methoxychlor	8.617	9.224f	38739	13715	0.682	0.390 #
21) Endrin Ke...	9.014	9.483	5705	47746	0.038	0.579 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.845	6.258f	43575	21735	0.064	0.031 #
25) Oxychlorane	7.336	7.718	110135	86548	0.346	0.583 #
26) 2,4'-DDE	7.422	7.943	716904	6822573	5.828	95.318 #
27) trans-Non...	7.605	8.010	10855485	4996315	61.640	48.358
28) 2,4'-DDD	7.786	8.299	303254	375115	2.726	5.939 #
29) 2,4'-DDT	7.939f	8.520	665369	135746	7.866	2.456 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132148.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:08
 Operator : MJB
 Sample : 1E13026-ICV3
 Misc : A20L144, CHLOR 500 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: May 14 14:52:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

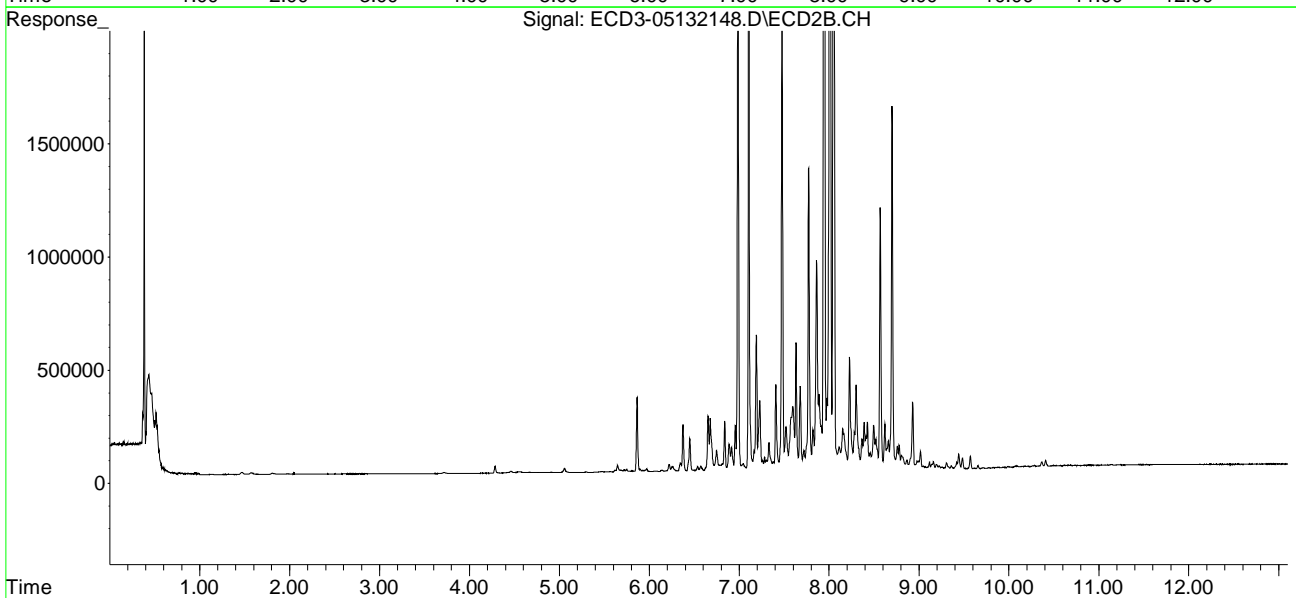
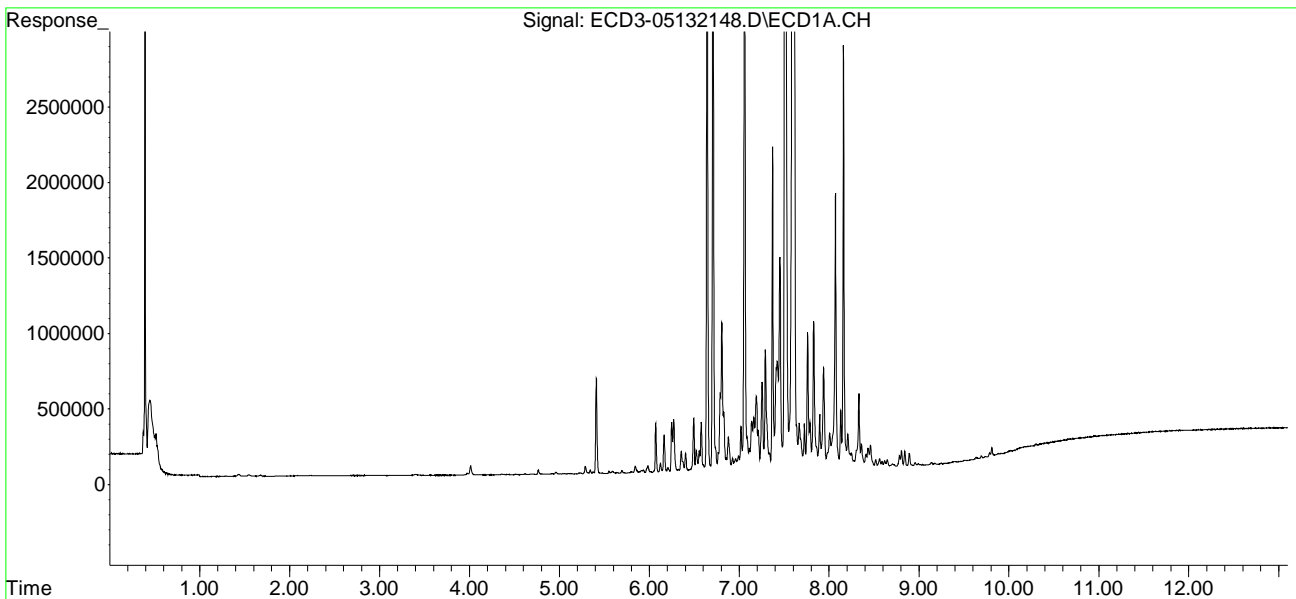
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.567	1817443	1157089	9.797	10.658
31)	Mirex	8.721	9.483	10534	47746	BelowCal	0.186
32)	Chlordane...	7.510	7.943	10738710	6822573	490.620	497.592
33)	Chlordane...	7.605	8.049	10855485	5821829	490.011	493.199
34)	Chlordane...	8.159	8.700	2794006	1606757	490.352	480.395
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.605	8.280	10855485	166689	9048.258	141.100 #
37)	Toxaphene...	7.894	8.620	357967	202548	202.575	156.619
38)	Toxaphene...	8.208	8.657	220529	127385	70.343	71.601
39)	Toxaphene...	8.432	8.700f	124231	1606757	35.309	519.942 #
40)	Toxaphene...	8.645f	8.927f	44653	294770	22.467	153.444 #
41)	Toxaphene...	8.721	9.306f	10534	26991	6.008	16.984 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132148.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:08
Operator : MJB
Sample : 1E13026-ICV3
Misc : A20L144, CHLOR 500 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: May 14 14:52:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132148.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:08
 Operator : MJB
 Sample : 1E13026-ICV3
 Misc : A20L144, CHLOR 500 ppb
 ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:52:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.864f	0	325845	N.D.	3.183 #
22) S DCBP (S)	9.693	10.286f	19240	3770	0.147	5536.521 #
Target Compounds						
2) a-BHC	6.019	6.451f	6364	144101	0.027	0.998 #
3) g-BHC	6.322	6.747	18975	90359	0.093	0.726 #
4) b-BHC	6.402	6.837f	123657	220066	1.365	3.920 #
5) Heptachlor	6.708	7.106	4481635	2679983	23.693	23.627
6) d-BHC	6.555	7.045	136524	32307	0.739	0.291 #
7) Aldrin	6.961	7.378	77878	39658	0.367	0.316
8) Heptachlo...	7.422	7.821	716904	178445	3.886	1.630 #
9) trans-Chl...	7.510	7.943	10738710	6822573	55.731	60.320
10) cis-Chlor...	7.605	8.049	10855485	5821829	60.271	52.961
11) Endosulfa...	7.724	8.112	296570	102264	1.729	1.020 #
12) 4,4'-DDE	7.667	8.149	302877	181897	1.593	1.648
13) Dieldrin	7.894	8.299	357967	375115	1.870	3.374 #
14) Endrin	8.070f	8.520	1817443	135746	12.524	1.615 #
15) 4,4'-DDD	8.070	8.567	1817443	1157089	12.586	13.689
16) Endosulfa...	8.208	8.657	220529	127385	1.517	1.448
17) 4,4'-DDT	8.249f	8.804	94659	62659	0.835	0.984
18) Endrin Al...	8.519	8.927f	47408	294770	0.081	3.838 #
19) Endosulfa...	8.804	9.115f	101570	32148	0.759	0.446 #
20) Methoxychlor	8.617	9.224f	38739	13715	0.682	0.390 #
21) Endrin Ke...	9.014	9.483	5705	47746	0.038	0.579 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.845	6.258f	43575	21735	0.064	0.031 #
25) Oxychlorane	7.336	7.718	110135	86548	0.346	0.583 #
26) 2,4'-DDE	7.422	7.943	716904	6822573	5.828	95.318 #
27) trans-Non...	7.605	8.010	10855485	4996315	61.640	48.358
28) 2,4'-DDD	7.786	8.299	303254	375115	2.726	5.939 #
29) 2,4'-DDT	7.939f	8.520	665369	135746	7.866	2.456 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132148.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:08 FRONT COLUMN: 490.33
 Operator : MJB REAR COLUMN: 490.4
 Sample : 1E13026-ICV3
 Misc : A20L144, CHLOR 500 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: May 14 14:52:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

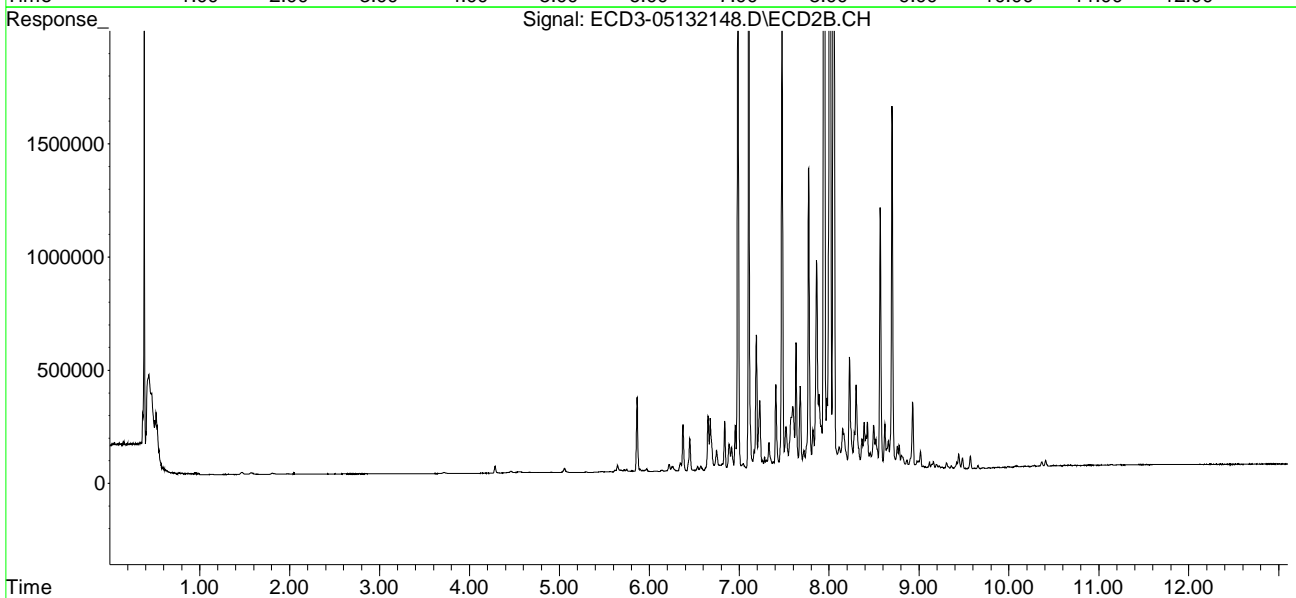
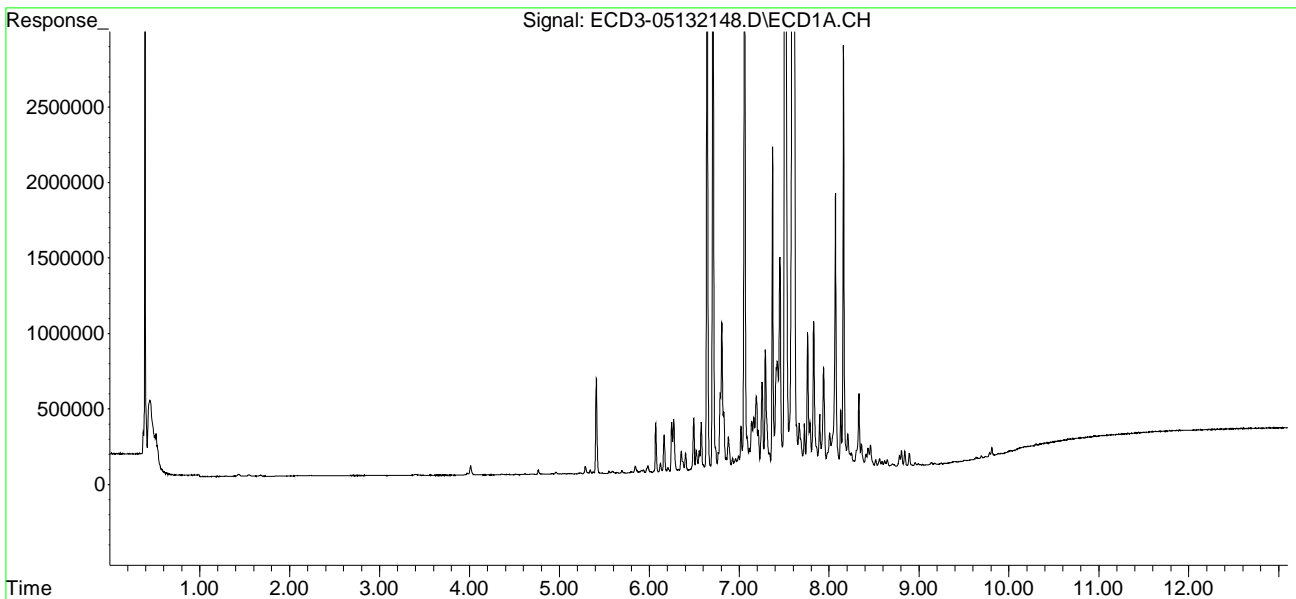
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.567	1817443	1157089	9.797	10.658
31)	Mirex	8.721	9.483	10534	47746	BelowCal	0.186
32)	Chlordane...	7.510	7.943	10738710	6822573	490.620	497.592
33)	Chlordane...	7.605	8.049	10855485	5821829	490.011	493.199
34)	Chlordane...	8.159	8.700	2794006	1606757	490.352	480.395
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.605	8.280	10855485	166689	9048.258	141.100 #
37)	Toxaphene...	7.894	8.620	357967	202548	202.575	156.619
38)	Toxaphene...	8.208	8.657	220529	127385	70.343	71.601
39)	Toxaphene...	8.432	8.700f	124231	1606757	35.309	519.942 #
40)	Toxaphene...	8.645f	8.927f	44653	294770	22.467	153.444 #
41)	Toxaphene...	8.721	9.306f	10534	26991	6.008	16.984 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132148.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:08
Operator : MJB
Sample : 1E13026-ICV3
Misc : A20L144, CHLOR 500 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: May 14 14:52:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132156.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:26
 Operator : MJB
 Sample : 1E13026-IBL4
 Misc : Instrument Blank
 ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:53:24 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.664	0.000	974	0	0.007	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	0.000	0.000	0	0	N.D.	N.D.
10) cis-Chlor...	0.000	0.000	0	0	N.D.	N.D.
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.662	0.000	3080	0	0.016	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	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	0.000	8.000	0	4492	N.D.	BelowCal
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132156.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:26
 Operator : MJB
 Sample : 1E13026-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: May 14 14:53:24 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

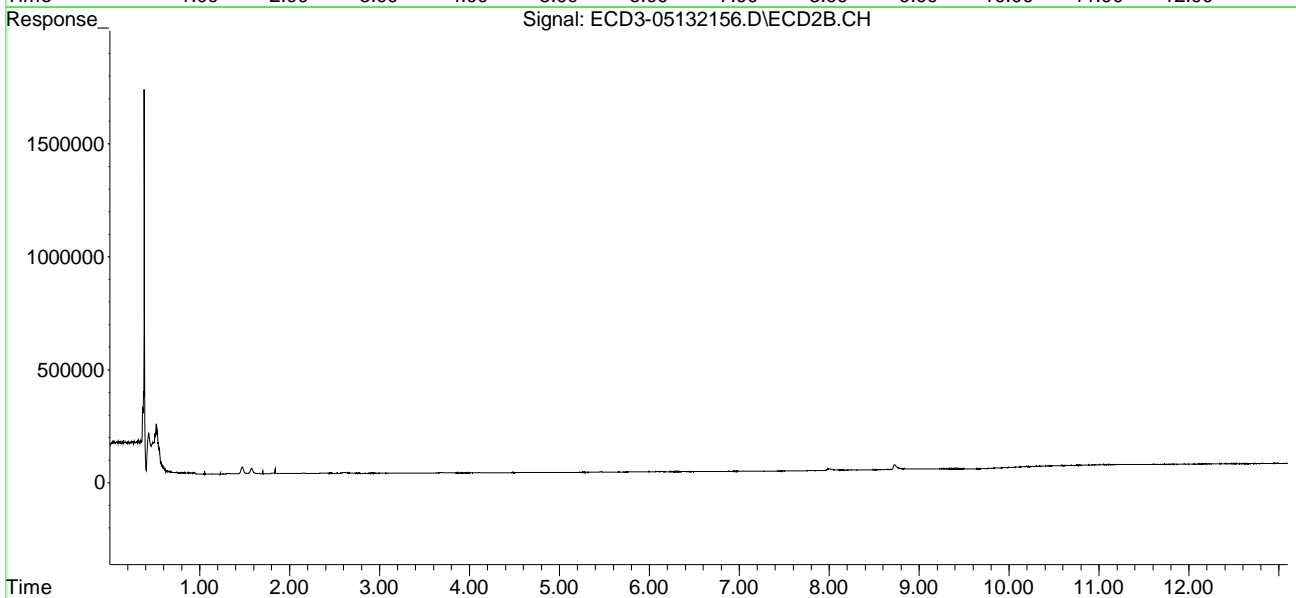
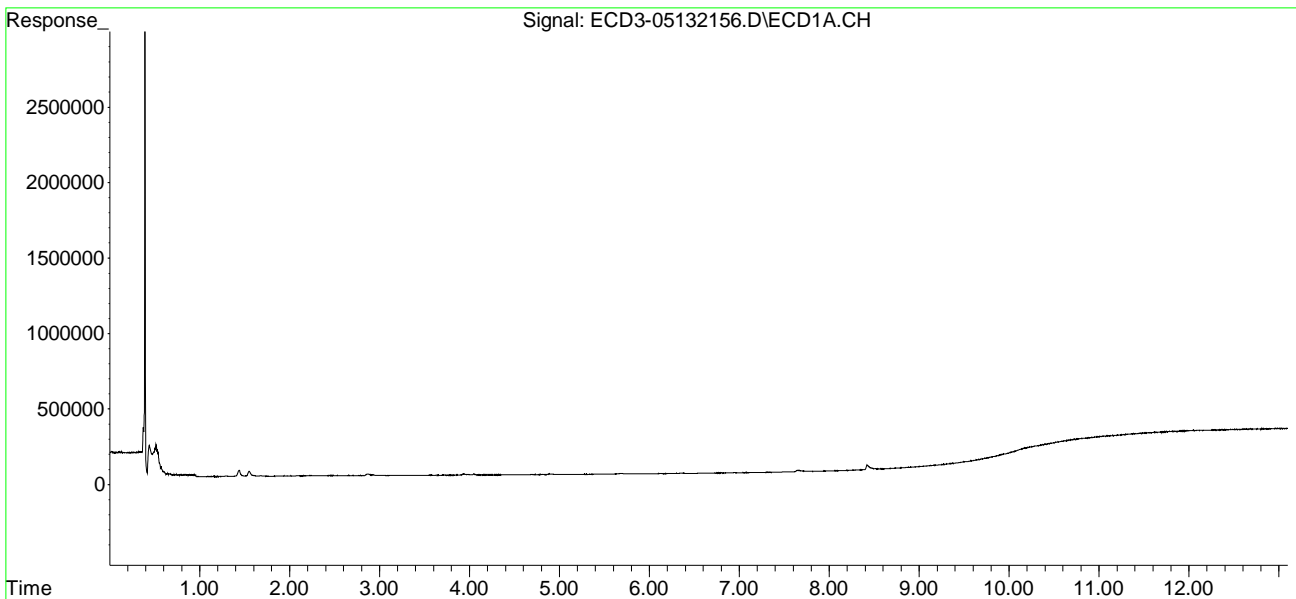
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34)	Chlordane...	0.000	8.727f	0	18114	N.D.	5.416 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.422	8.727	30388	18114	5.631	BelowCal #
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...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132156.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 1:26
Operator : MJB
Sample : 1E13026-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: May 14 14:53:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132157.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:43
 Operator : MJB
 Sample : 1E13026-ICV4
 Misc : A20K265, TOX 500 ppb
 ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:53:35 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.676	10.311	25550	7890	0.196	5536.459 #
Target Compounds						
2) a-BHC	6.022	6.425	13505	4897	0.057	0.034 #
3) g-BHC	6.311	6.722	16789	23068	0.083	0.185 #
4) b-BHC	6.400	6.815	24242	15576	0.268	0.277
5) Heptachlor	6.707	7.101	55570	36406	0.294	0.321
6) d-BHC	6.547	7.048	37286	37771	0.202	0.341 #
7) Aldrin	6.952	7.364	88825	48530	0.419	0.386
8) Heptachlo...	7.421	7.798	189239	194375	1.026	1.776 #
9) trans-Chl...	7.488f	7.945	317177	148337	1.646	1.311
10) cis-Chlor...	7.587	8.031f	480099	271480	2.490	2.470
11) Endosulfa...	7.715	8.106	619935	276708	3.615	2.761
12) 4,4'-DDE	7.666	8.166	296365	346627	1.559	3.141 #
13) Dieldrin	7.882	8.313	963567	328039	5.033	2.950 #
14) Endrin	8.062	8.511	1239288	495134	8.540	5.893
15) 4,4'-DDD	8.110f	8.567	825030	350992	5.713	4.152
16) Endosulfa...	8.198	8.651	1803039	984095	12.400	11.186
17) 4,4'-DDT	8.283	8.779	1621297	396007	14.309	6.217 #
18) Endrin Al...	8.522	8.898	1064615	1037901	8.868	14.369 #
19) Endosulfa...	8.801	9.089	626557	375594	4.684	5.206
20) Methoxychlor	8.592f	9.267	997404	977232	17.552	27.822 #
21) Endrin Ke...	8.988	9.488	391166	107074	2.625	1.299 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.896f	6.275	9104	2658	BelowCal	BelowCal
25) Oxychlorane	7.341	7.746	371905	225629	2.135	2.183
26) 2,4'-DDE	7.421	7.922	189239	219285	1.299	2.760 #
27) trans-Non...	7.587	8.031	480099	271480	2.421	2.235
28) 2,4'-DDD	7.785	8.313	401758	328039	3.729	5.142
29) 2,4'-DDT	7.946f	8.511	991331	495134	11.890	10.020

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132157.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:43
 Operator : MJB
 Sample : 1E13026-ICV4
 Misc : A20K265, TOX 500 ppb
 ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:53:35 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

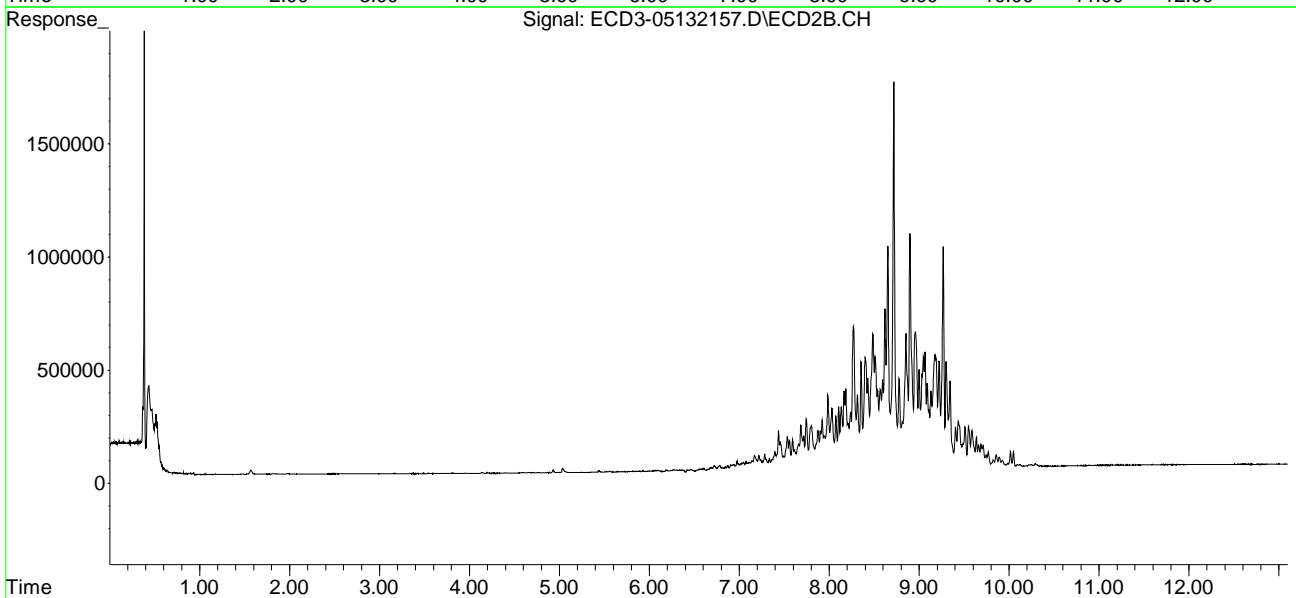
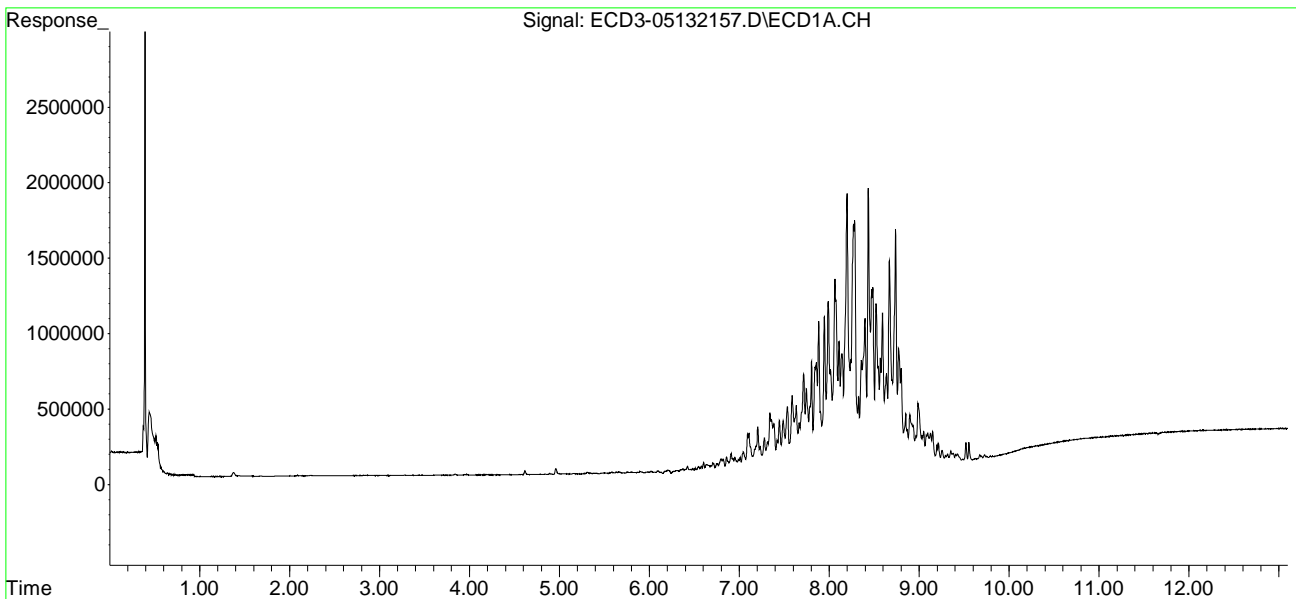
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.062	8.567	1239288	350992	6.574	2.966 #
31)	Mirex	8.737	9.488	1553440	107074	13.818	1.150 #
32)	Chlordane...	7.488f	7.945	317177	148337	14.491	10.819
33)	Chlordane...	7.587	8.031	480099	271480	21.671	22.999
34)	Chlordane...	8.140	8.719	740840	1707863	130.018	510.624 #
35)	Chlordane...	3.841f	0.000	6617	0	NoCal	N.D.
36)	Toxaphene...	7.587	8.271	480099	631151	546.676	534.259
37)	Toxaphene...	7.882	8.620	963567	706529	545.288	527.452
38)	Toxaphene...	8.198	8.651	1803039	984095	543.404	525.702
39)	Toxaphene...	8.436	8.719	1830640	1707863	543.212	551.506
40)	Toxaphene...	8.668	8.898	1342042	1037901	550.373	540.284
41)	Toxaphene...	8.737	9.267	1553440	977232	535.466	544.286
42)	Toxaphene...	3.841f	0.000	6617	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132157.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 1:43
Operator : MJB
Sample : 1E13026-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 14:53:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132157.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:43
 Operator : MJB
 Sample : 1E13026-ICV4
 Misc : A20K265, TOX 500 ppb
 ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:53:35 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.676	10.311	25550	7890	0.196	5536.459 #
Target Compounds						
2) a-BHC	6.022	6.425	13505	4897	0.057	0.034 #
3) g-BHC	6.311	6.722	16789	23068	0.083	0.185 #
4) b-BHC	6.400	6.815	24242	15576	0.268	0.277
5) Heptachlor	6.707	7.101	55570	36406	0.294	0.321
6) d-BHC	6.547	7.048	37286	37771	0.202	0.341 #
7) Aldrin	6.952	7.364	88825	48530	0.419	0.386
8) Heptachlo...	7.421	7.798	189239	194375	1.026	1.776 #
9) trans-Chl...	7.488f	7.945	317177	148337	1.646	1.311
10) cis-Chlor...	7.587	8.031f	480099	271480	2.490	2.470
11) Endosulfa...	7.715	8.106	619935	276708	3.615	2.761
12) 4,4'-DDE	7.666	8.166	296365	346627	1.559	3.141 #
13) Dieldrin	7.882	8.313	963567	328039	5.033	2.950 #
14) Endrin	8.062	8.511	1239288	495134	8.540	5.893
15) 4,4'-DDD	8.110f	8.567	825030	350992	5.713	4.152
16) Endosulfa...	8.198	8.651	1803039	984095	12.400	11.186
17) 4,4'-DDT	8.283	8.779	1621297	396007	14.309	6.217 #
18) Endrin Al...	8.522	8.898	1064615	1037901	8.868	14.369 #
19) Endosulfa...	8.801	9.089	626557	375594	4.684	5.206
20) Methoxychlor	8.592f	9.267	997404	977232	17.552	27.822 #
21) Endrin Ke...	8.988	9.488	391166	107074	2.625	1.299 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.896f	6.275	9104	2658	BelowCal	BelowCal
25) Oxychlorane	7.341	7.746	371905	225629	2.135	2.183
26) 2,4'-DDE	7.421	7.922	189239	219285	1.299	2.760 #
27) trans-Non...	7.587	8.031	480099	271480	2.421	2.235
28) 2,4'-DDD	7.785	8.313	401758	328039	3.729	5.142
29) 2,4'-DDT	7.946f	8.511	991331	495134	11.890	10.020

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132157.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:43
 Operator : MJB FRONT COLUMN: 544.07
 Sample : 1E13026-ICV4 REAR COLUMN: 537.25
 Misc : A20K265, TOX 500 ppb
 ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 14:53:35 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

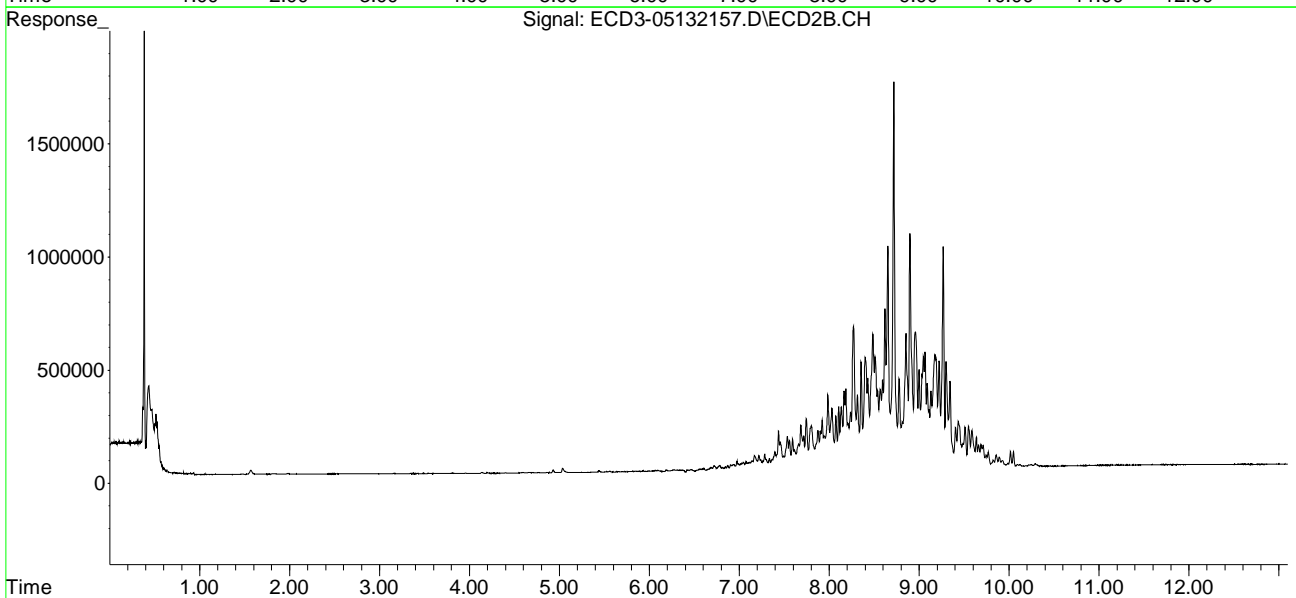
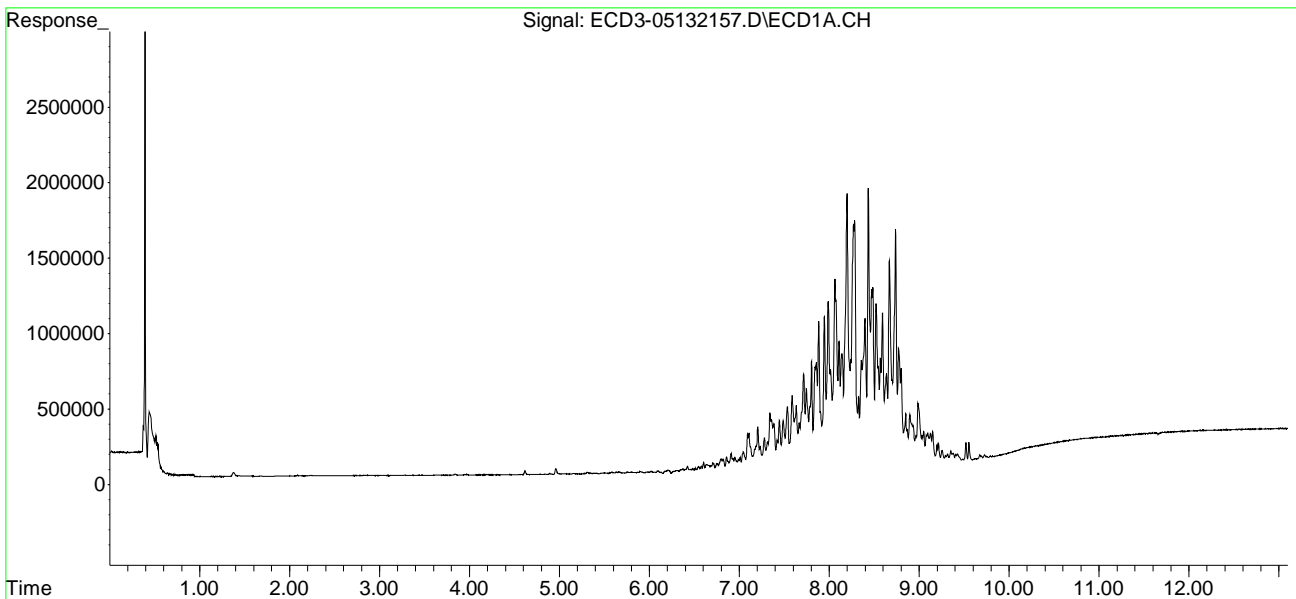
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.062	8.567	1239288	350992	6.574	2.966 #
31)	Mirex	8.737	9.488	1553440	107074	13.818	1.150 #
32)	Chlordane...	7.488f	7.945	317177	148337	14.491	10.819
33)	Chlordane...	7.587	8.031	480099	271480	21.671	22.999
34)	Chlordane...	8.140	8.719	740840	1707863	130.018	510.624 #
35)	Chlordane...	3.841f	0.000	6617	0	NoCal	N.D.
36)	Toxaphene...	7.587	8.271	480099	631151	546.676	534.259
37)	Toxaphene...	7.882	8.620	963567	706529	545.288	527.452
38)	Toxaphene...	8.198	8.651	1803039	984095	543.404	525.702
39)	Toxaphene...	8.436	8.719	1830640	1707863	543.212	551.506
40)	Toxaphene...	8.668	8.898	1342042	1037901	550.373	540.284
41)	Toxaphene...	8.737	9.267	1553440	977232	535.466	544.286
42)	Toxaphene...	3.841f	0.000	6617	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132157.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 1:43
Operator : MJB
Sample : 1E13026-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 14:53:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132115.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:34
 Operator : MJB
 Sample : 1E13026-CAL1
 Misc : A21E230, AB 0.5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:24:14 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds					Curve point is not being used in the calibration.	
1) S TCMX (S)	5.479	5.829	99116	58960	0.572	0.576
22) S DCBP (S)	9.681	10.320	446790	45781	3.419	0.483 #
Target Compounds						
2) a-BHC	6.026	6.421	117914	75478	0.500	0.523
3) g-BHC	6.311	6.735	105048	68106	0.516	0.547
4) b-BHC	6.392	6.804	51029	32418	0.563	0.577
5) Heptachlor	6.708	7.108	110933	66141	0.586	0.583
6) d-BHC	6.542	7.050	90041	53648	0.488	0.484
7) Aldrin	6.949	7.370	113662	66915	0.536	0.533
8) Heptachlo...	7.417	7.805	108704	63862	0.589	0.583
9) trans-Chl...	7.510	7.945	105586	65803	0.548	0.582
10) cis-Chlor...	7.608	8.052	129104	65277	0.499	0.594
11) Endosulfa...	7.709	8.099	97307	57105	0.567	0.570
12) 4,4'-DDE	7.660	8.158	103512	59947	0.544	0.543
13) Dieldrin	7.882	8.298	105858	60460	0.553	0.544
14) Endrin	8.050	8.520	79065	46480	0.545	0.553
15) 4,4'-DDD	8.088	8.570	75104	44890	0.520	0.531
16) Endosulfa...	8.210	8.667	81751	48396	0.562	0.550
17) 4,4'-DDT	8.284	8.793	61861	34473	0.546	0.541
18) Endrin Al...	8.505	8.902	88969	55097	0.439	0.448
19) Endosulfa...	8.809	9.095	76114	40184	0.569	0.557
20) Methoxychlor	8.615	9.259	31728	19646	0.558	0.559
21) Endrin Ke...	9.008	9.496	81812	105851	0.549	1.285 #
23) Hexachlor...	0.000	3.561	0	4228	N.D.	1092.563 #
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	7.417	7.945	108704	65803	0.607	0.575
27) trans-Non...	7.608	0.000	129104	0	0.376	N.D. #
28) 2,4'-DDD	0.000	8.298	0	60460	N.D.	0.602 #
29) 2,4'-DDT	7.965	8.520	3517	46480	BelowCal	0.560

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132115.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:34
 Operator : MJB
 Sample : 1E13026-CAL1
 Misc : A21E230, AB 0.5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:24:14 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

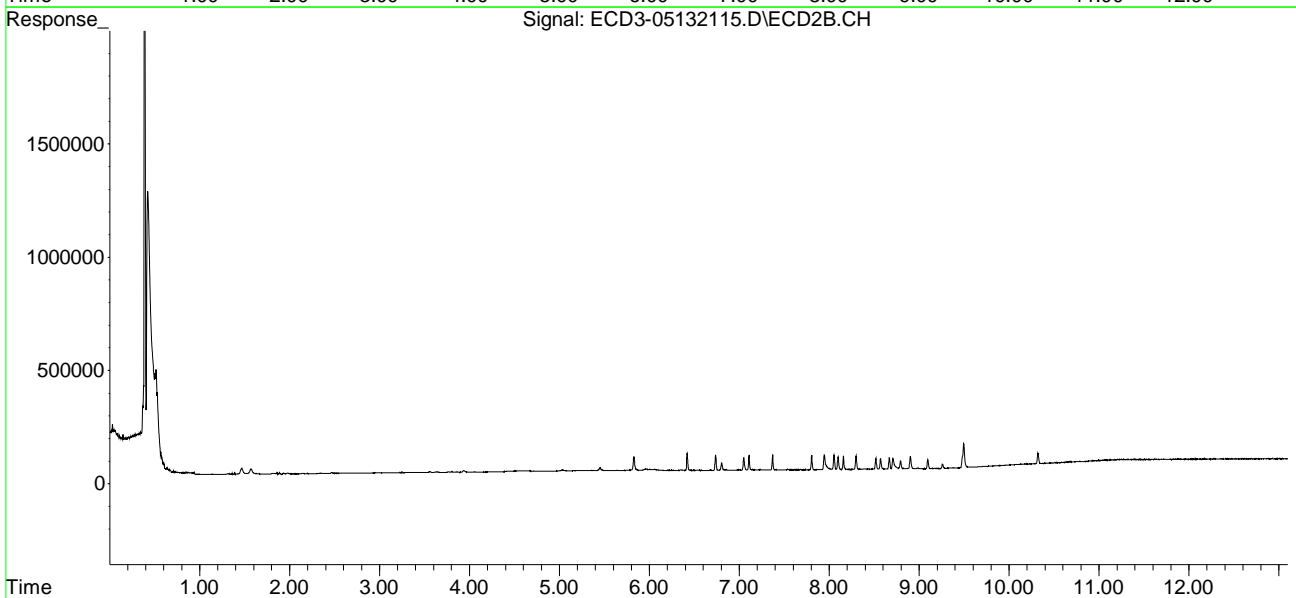
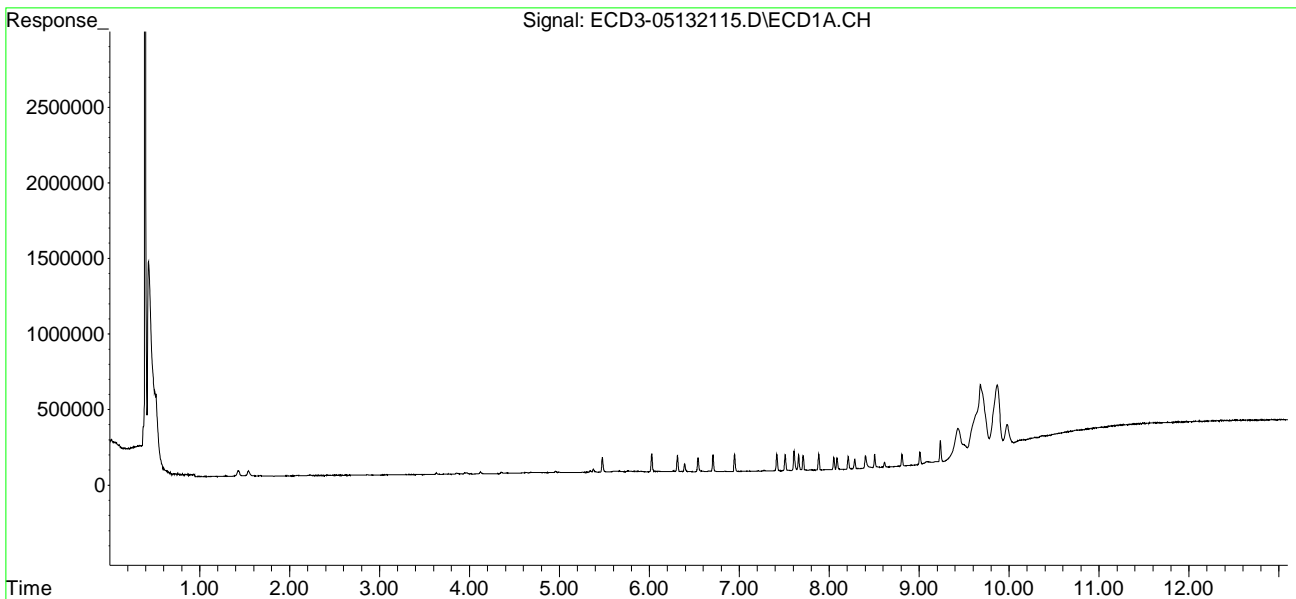
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.088	8.570	75104	44890	0.060	0.042
31)	Mirex	0.000	9.496f	0	105851	N.D.	1.130 #
32)	Chlordane...	7.510	7.945	105586	65803	4.824	4.799
33)	Chlordane...	7.608	8.052	129104	65277	5.828	5.530
34)	Chlordane...	0.000	8.709	0	46310	N.D.	13.846 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.608	8.298f	129104	60460	151.589	51.178 #
37)	Toxaphene...	7.882	0.000	105858	0	59.906	N.D. #
38)	Toxaphene...	8.210	8.667	81751	48396	26.957	28.250
39)	Toxaphene...	8.452	8.709	5218	46310	BelowCal	8.127
40)	Toxaphene...	0.000	8.902	0	55097	N.D.	28.681 #
41)	Toxaphene...	0.000	9.259	0	19646	N.D.	12.629 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:34
Operator : MJB
Sample : 1E13026-CAL1
Misc : A21E230, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:24:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132116.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:51
 Operator : MJB
 Sample : 1E13026-CAL2
 Misc : A21E231, AB 1 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: May 14 12:24:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.829	182894	107474	1.055	1.050
22) S DCBP (S)	9.678	10.320	156835	82421	1.200	1.041
Target Compounds						
2) a-BHC	6.026	6.421	231988	142686	0.983	0.988
3) g-BHC	6.311	6.735	199668	123751	0.982	0.994
4) b-BHC	6.391	6.804	97446	59679	1.076	1.063
5) Heptachlor	6.708	7.108	189993	113723	1.004	1.003
6) d-BHC	6.541	7.051	173191	102662	0.938	0.926
7) Aldrin	6.949	7.370	220043	127724	1.037	1.017
8) Heptachlo...	7.417	7.805	194604	115030	1.055	1.051
9) trans-Chl...	7.510	7.946	198517	116610	1.030	1.031
10) cis-Chlor...	7.607	8.052	217127	118151	0.998	1.075
11) Endosulfa...	7.709	8.099	175744	101089	1.025	1.009
12) 4,4'-DDE	7.660	8.157	191589	109637	1.008	0.994
13) Dieldrin	7.882	8.298	194217	112775	1.014	1.014
14) Endrin	8.050	8.520	142951	82661	0.985	0.984
15) 4,4'-DDD	8.087	8.570	137514	79250	0.952	0.938
16) Endosulfa...	8.210	8.667	146441	88669	1.007	1.008
17) 4,4'-DDT	8.283	8.794	109141	60563	0.963	0.951
18) Endrin Al...	8.505	8.901	167800	101152	1.120	1.099
19) Endosulfa...	8.809	9.095	136561	71960	1.021	0.997
20) Methoxychlor	8.614	9.259	57409	35220	1.010	1.003
21) Endrin Ke...	9.007	9.482	149787	83617	1.005	1.015
23) Hexachlor...	0.000	3.561	0	4081	N.D.	1092.564 #
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	7.417	7.946	194604	116610	1.345	1.299
27) trans-Non...	7.607	0.000	217127	0	0.889	N.D. #
28) 2,4'-DDD	0.000	8.298	0	112775	N.D.	1.491 #
29) 2,4'-DDT	0.000	8.520	0	82661	N.D.	1.329 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132116.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:51
 Operator : MJB
 Sample : 1E13026-CAL2
 Misc : A21E231, AB 1 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: May 14 12:24:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

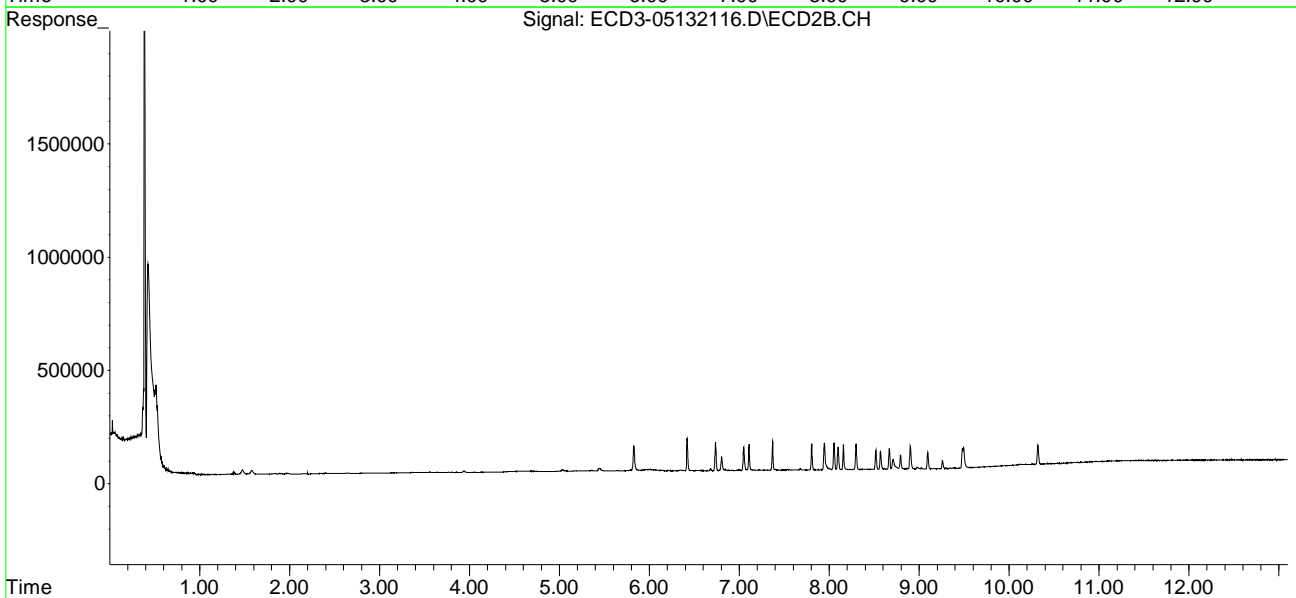
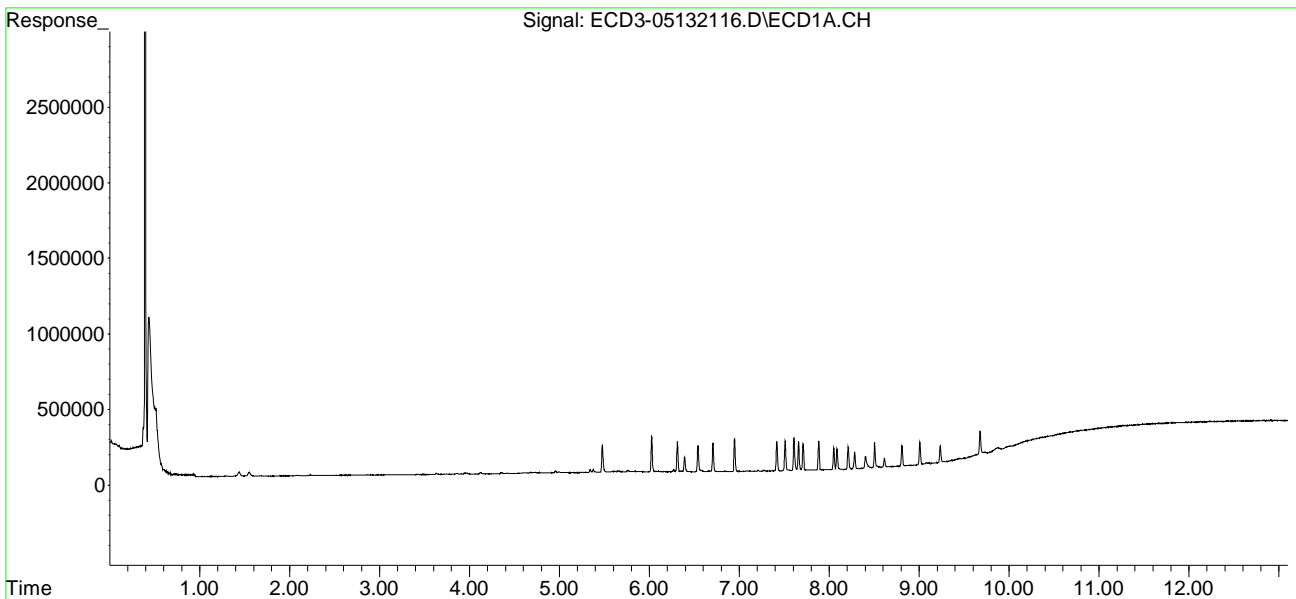
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.087	8.570	137514	79250	0.410	0.370
31)	Mirex	8.762f	9.482	1596	83617	BelowCal	0.769
32)	Chlordane...	7.510	7.946	198517	116610	9.070	8.505
33)	Chlordane...	7.607	8.052	217127	118151	9.801	10.009
34)	Chlordane...	0.000	8.710	0	42688	N.D.	12.763 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.298f	217127	112775	251.911	95.463 #
37)	Toxaphene...	7.882	0.000	194217	0	109.908	N.D. #
38)	Toxaphene...	8.210	8.667	146441	88669	47.222	50.386
39)	Toxaphene...	8.403f	8.710	78402	42688	20.841	6.880 #
40)	Toxaphene...	8.685	8.901	4101	101152	4.663	52.655 #
41)	Toxaphene...	8.762f	9.259	1596	35220	2.734	21.858 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:51
Operator : MJB
Sample : 1E13026-CAL2
Misc : A21E231, AB 1 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: May 14 12:24:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132117.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:08
 Operator : MJB
 Sample : 1E13026-CAL3
 Misc : A21B419, AB 2 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: May 14 12:24:33 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.829	359964	206831	2.076	2.021
22) S DCBP (S)	9.677	10.319	289121	152693	2.213	2.112
Target Compounds						
2) a-BHC	6.026	6.421	467427	284112	1.980	1.968
3) g-BHC	6.311	6.735	401880	250459	1.976	2.013
4) b-BHC	6.391	6.803	188604	117134	2.082	2.086
5) Heptachlor	6.707	7.108	385677	233865	2.039	2.062
6) d-BHC	6.541	7.050	360927	210189	1.955	1.896
7) Aldrin	6.948	7.370	427082	256049	2.013	2.038
8) Heptachlo...	7.417	7.804	377452	220050	2.046	2.010
9) trans-Chl...	7.510	7.945	393604	222614	2.043	1.968
10) cis-Chlor...	7.607	8.052	397239	220771	2.020	2.008
11) Endosulfa...	7.708	8.099	350328	199117	2.043	1.986
12) 4,4'-DDE	7.659	8.157	371519	221196	1.954	2.005
13) Dieldrin	7.882	8.298	378737	220990	1.978	1.987
14) Endrin	8.049	8.519	296913	170599	2.046	2.030
15) 4,4'-DDD	8.087	8.569	280347	165193	1.941	1.954
16) Endosulfa...	8.209	8.667	291927	178366	2.008	2.027
17) 4,4'-DDT	8.283	8.793	222597	125347	1.965	1.968
18) Endrin Al...	8.504	8.901	335340	202658	2.566	2.535
19) Endosulfa...	8.808	9.095	279280	142766	2.088	1.979
20) Methoxychlor	8.614	9.259	121521	77253	2.139	2.199
21) Endrin Ke...	9.006	9.481	299249	169454	2.008	2.057
23) Hexachlor...	0.000	3.561	0	3234	N.D.	1092.571 #
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	7.417	7.945	377452	222614	2.915	2.807
27) trans-Non...	7.607	0.000	397239	0	1.939	N.D. #
28) 2,4'-DDD	0.000	8.298	0	220990	N.D.	3.328 #
29) 2,4'-DDT	8.005f	8.519	3334	170599	BelowCal	3.195

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132117.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:08
 Operator : MJB
 Sample : 1E13026-CAL3
 Misc : A21B419, AB 2 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: May 14 12:24:33 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

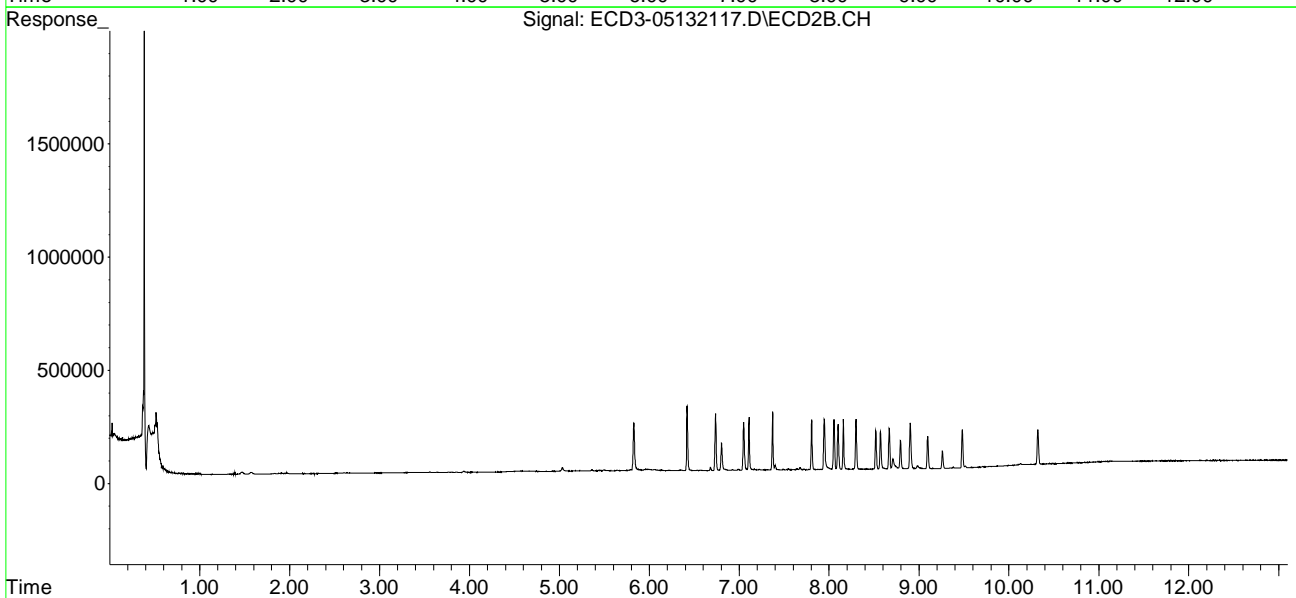
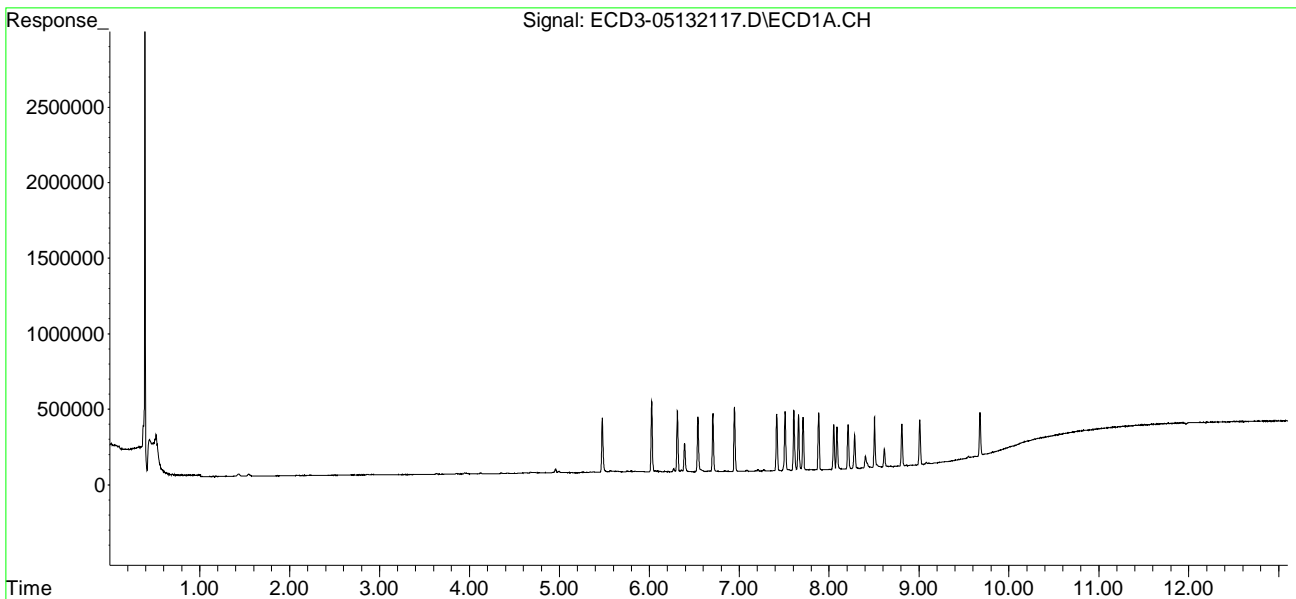
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.087	8.569	280347	165193	1.211	1.192
31)	Mirex	8.736	9.481	2497	169454	BelowCal	2.163
32)	Chlordane...	7.510	7.945	393604	222614	17.983	16.236
33)	Chlordane...	7.607	8.052	397239	220771	17.931	18.703
34)	Chlordane...	0.000	8.709	0	43661	N.D.	13.054 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.298f	397239	220990	454.579	187.065 #
37)	Toxaphene...	7.882	0.000	378737	0	214.330	N.D. #
38)	Toxaphene...	8.209	8.667	291927	178366	92.535	99.441
39)	Toxaphene...	8.402f	8.709	77353	43661	20.509	7.215 #
40)	Toxaphene...	8.655	8.901	4742	202658	4.945	105.495 #
41)	Toxaphene...	8.736	9.259	2497	77253	3.064	46.658 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 14:08
Operator : MJB
Sample : 1E13026-CAL3
Misc : A21B419, AB 2 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: May 14 12:24:33 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132118.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:26
 Operator : MJB
 Sample : 1E13026-CAL4
 Misc : A21B420, AB 5 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: May 14 12:24:47 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	829089	488662	4.782	4.774
22) S DCBP (S)	9.677	10.319	645734	347381	4.942	5.081
Target Compounds						
2) a-BHC	6.026	6.421	1166330	712280	4.941	4.933
3) g-BHC	6.311	6.735	1005417	611412	4.943	4.913
4) b-BHC	6.391	6.803	448601	282430	4.953	5.031
5) Heptachlor	6.707	7.108	955384	563621	5.051	4.969
6) d-BHC	6.541	7.050	882762	527943	4.781	4.762
7) Aldrin	6.949	7.369	1015141	608511	4.784	4.844
8) Heptachlo...	7.417	7.804	907091	540794	4.917	4.940
9) trans-Chl...	7.509	7.945	934724	546587	4.851	4.832
10) cis-Chlor...	7.607	8.051	925111	537254	5.011	4.887
11) Endosulfa...	7.708	8.099	841286	493770	4.906	4.926
12) 4,4'-DDE	7.660	8.157	908229	537025	4.776	4.867
13) Dieldrin	7.882	8.297	939922	544763	4.910	4.899
14) Endrin	8.050	8.519	733658	418569	5.056	4.981
15) 4,4'-DDD	8.087	8.569	696451	411165	4.823	4.864
16) Endosulfa...	8.210	8.666	700177	412524	4.815	4.689
17) 4,4'-DDT	8.283	8.793	554198	301505	4.891	4.733
18) Endrin Al...	8.504	8.901	599258	355167	4.845	4.693
19) Endosulfa...	8.808	9.094	652998	347520	4.881	4.817
20) Methoxychlor	8.615	9.259	283579	177908	4.990	5.065
21) Endrin Ke...	9.006	9.481	734985	408591	4.932	4.959
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	7.351	0.000	4332	0	BelowCal	N.D.
26) 2,4'-DDE	7.417	7.945	907091	546587	7.459	7.414
27) trans-Non...	7.607	0.000	925111	0	5.010	N.D. #
28) 2,4'-DDD	0.000	8.297	0	544763	N.D.	8.805 #
29) 2,4'-DDT	7.940f	8.519	3925	418569	BelowCal	8.418

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132118.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:26
 Operator : MJB
 Sample : 1E13026-CAL4
 Misc : A21B420, AB 5 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: May 14 12:24:47 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

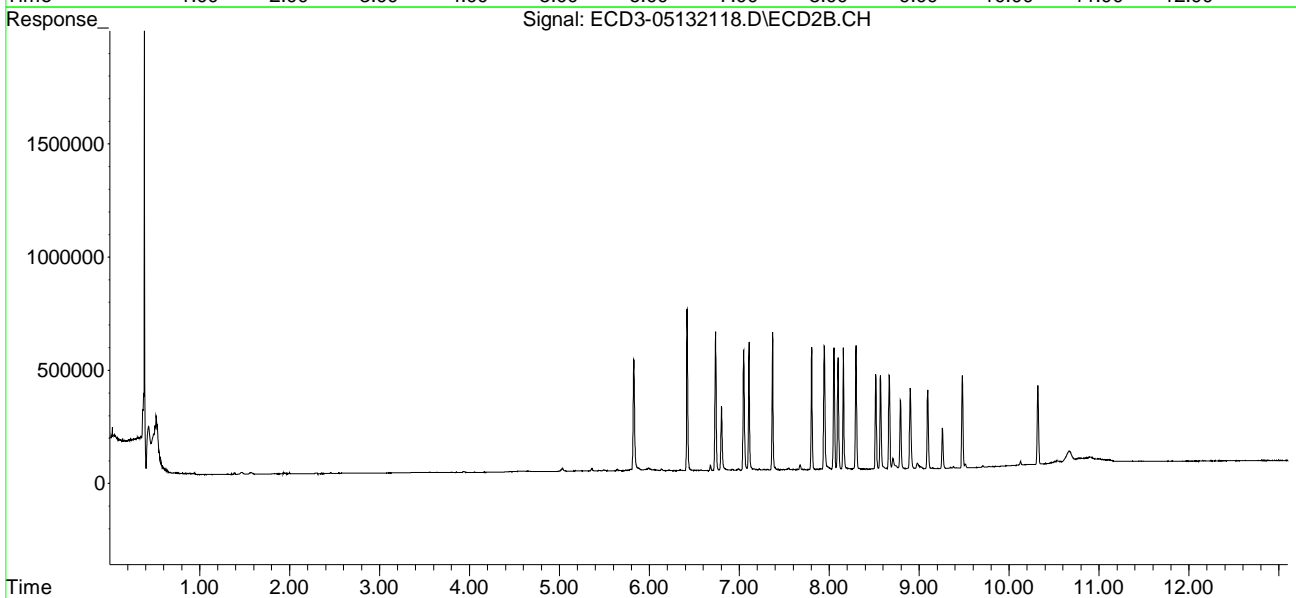
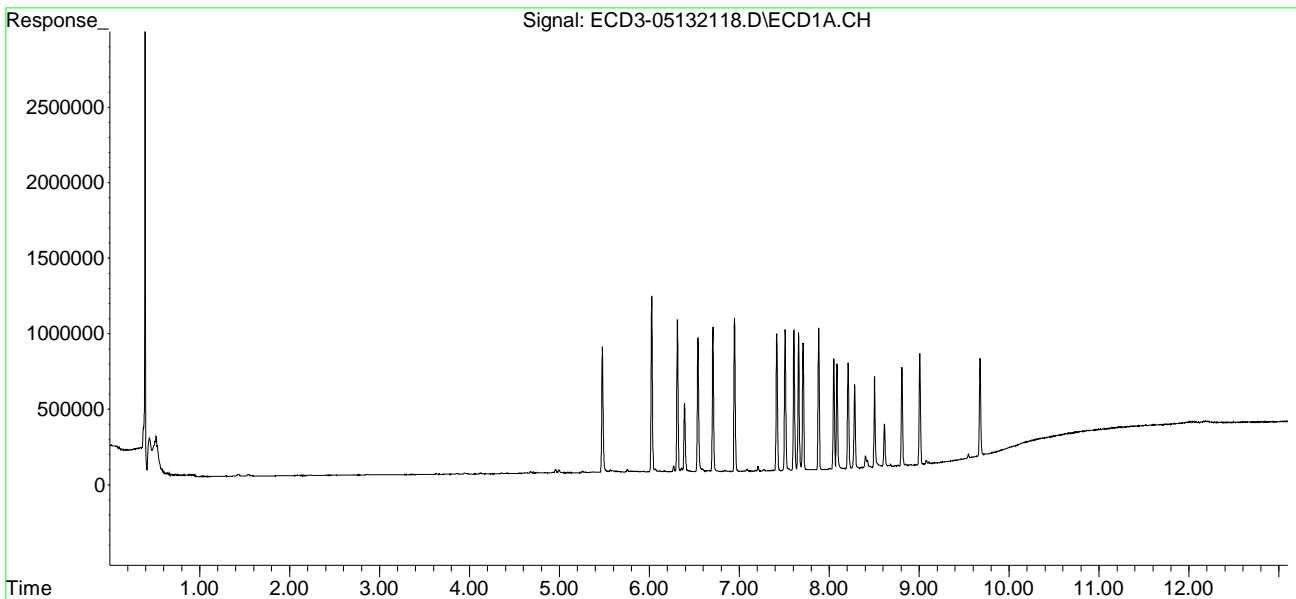
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.087	8.569	696451	411165	3.541	3.541
31)	Mirex	8.729	9.481	3904	408591	BelowCal	6.048
32)	Chlordane...	7.509	7.945	934724	546587	42.705	39.864
33)	Chlordane...	7.607	8.051	925111	537254	41.759	45.514
34)	Chlordane...	0.000	8.709	0	43510	N.D.	13.009 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.297f	925111	544763	1029.769	461.134 #
37)	Toxaphene...	7.882	0.000	939922	0	531.907	N.D. #
38)	Toxaphene...	8.210	8.666	700177	412524	217.799	225.923
39)	Toxaphene...	8.424	8.709	50183	43510	11.908	7.163
40)	Toxaphene...	8.655	8.901	8492	355167	6.595	184.884 #
41)	Toxaphene...	8.729	9.259	3904	177908	3.580	105.415 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 14:26
Operator : MJB
Sample : 1E13026-CAL4
Misc : A21B420, AB 5 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: May 14 12:24:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132119.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:43
 Operator : MJB
 Sample : 1E13026-CAL5
 Misc : A21B421, AB 10 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: May 14 12:24:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	1681968	986281	9.701	9.635
22) S DCBP (S)	9.678	10.319	1253986	650390	9.597	9.709
Target Compounds						
2) a-BHC	6.027	6.421	2353113	1473466	9.969	10.206
3) g-BHC	6.311	6.735	1995433	1242774	9.810	9.987
4) b-BHC	6.391	6.803	867133	541194	9.573	9.640
5) Heptachlor	6.708	7.108	1893588	1135711	10.011	10.013
6) d-BHC	6.541	7.050	1835548	1127560	9.941	10.170
7) Aldrin	6.949	7.370	2114259	1269725	9.963	10.108
8) Heptachlo...	7.417	7.805	1805153	1054424	9.786	9.632
9) trans-Chl...	7.510	7.945	1871181	1121168	9.711	9.913
10) cis-Chlor...	7.607	8.052	1833411	1051212	10.144	9.563
11) Endosulfa...	7.708	8.099	1666393	969773	9.717	9.675
12) 4,4'-DDE	7.660	8.157	1845570	1065407	9.706	9.655
13) Dieldrin	7.882	8.297	1851121	1085560	9.669	9.763
14) Endrin	8.050	8.520	1450120	845929	9.993	10.067
15) 4,4'-DDD	8.088	8.570	1381303	819756	9.565	9.698
16) Endosulfa...	8.210	8.667	1427769	840002	9.820	9.548
17) 4,4'-DDT	8.283	8.793	1107872	622265	9.778	9.769
18) Endrin Al...	8.504	8.901	1135857	689100	9.485	9.423
19) Endosulfa...	8.809	9.095	1274489	686141	9.527	9.511
20) Methoxychlor	8.615	9.259	554664	340852	9.761	9.704
21) Endrin Ke...	9.007	9.481	1424146	784044	9.557	9.515
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.841f	0.000	7804	0	BelowCal	N.D.
25) Oxychlorane	7.351	7.720	8764	5225	BelowCal	BelowCal
26) 2,4'-DDE	7.417	7.945	1805153	1121168	15.150	15.566
27) trans-Non...	7.607	7.995	1833411	14495	10.279	BelowCal #
28) 2,4'-DDD	0.000	8.297	0	1085560	N.D.	17.891 #
29) 2,4'-DDT	7.968	8.520	4296	845929	BelowCal	17.294

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132119.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:43
 Operator : MJB
 Sample : 1E13026-CAL5
 Misc : A21B421, AB 10 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: May 14 12:24:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

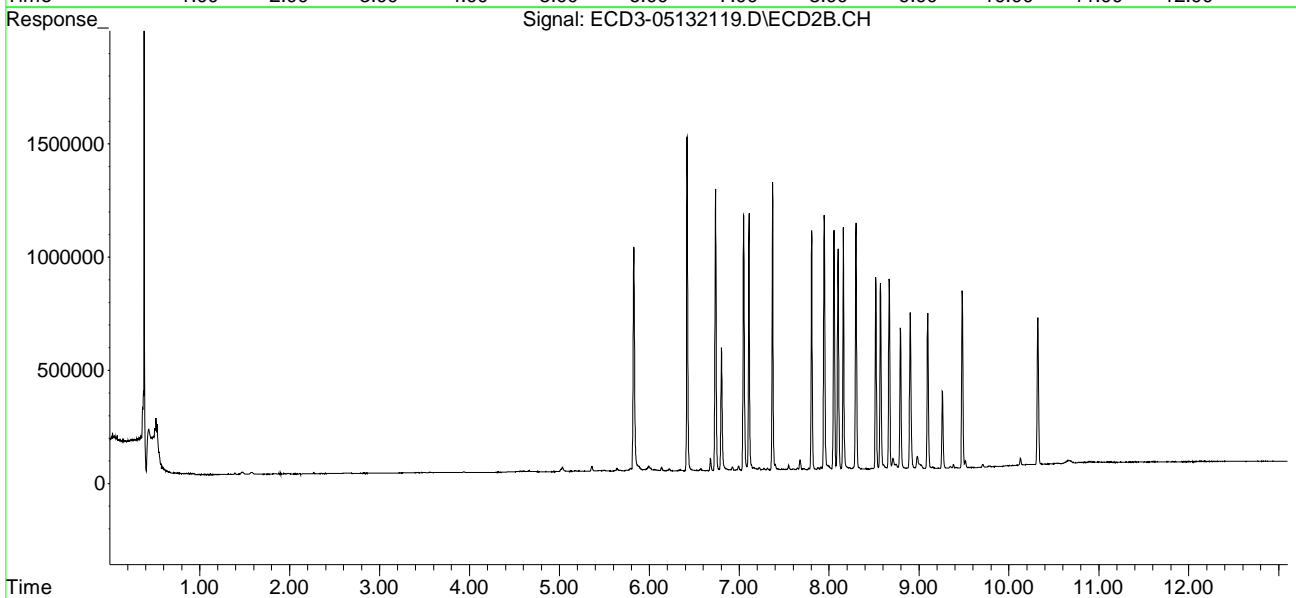
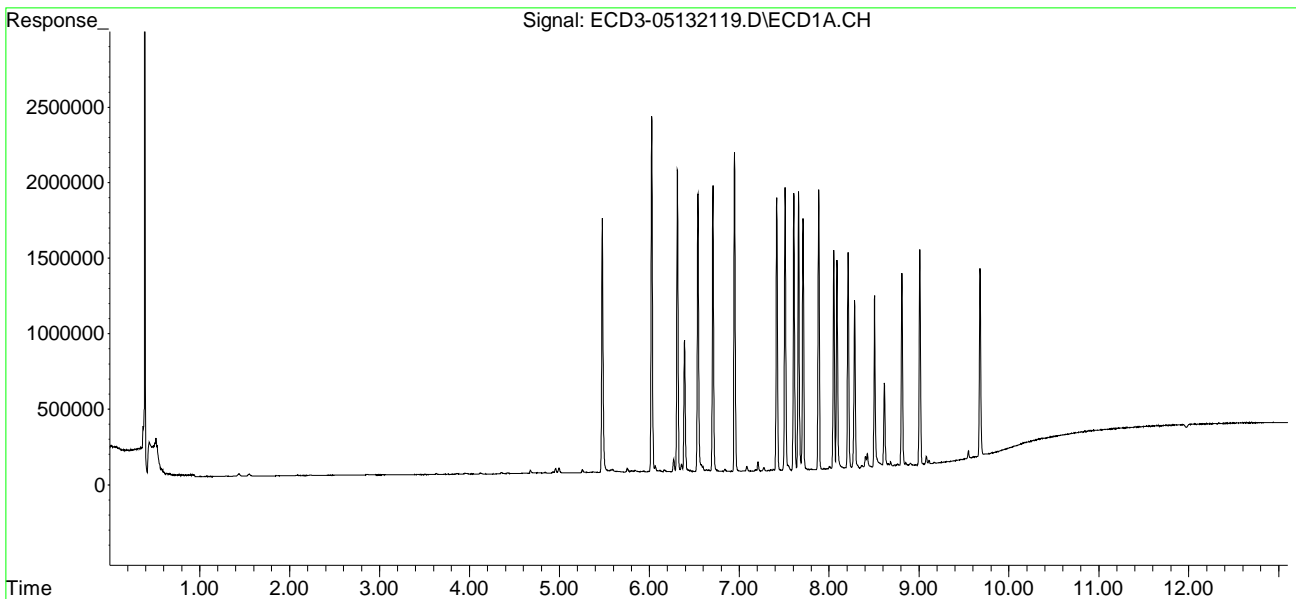
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.088	8.570	1381303	819756	7.367	7.441
31)	Mirex	8.731	9.481	8825	784044	BelowCal	12.145
32)	Chlordane...	7.510	7.945	1871181	1121168	85.489	81.770
33)	Chlordane...	7.607	8.052	1833411	1051212	82.759	89.054
34)	Chlordane...	0.000	8.709	0	46647	N.D.	13.947 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.297f	1833411	1085560	1962.315	918.910 #
37)	Toxaphene...	7.882	8.605	1851121	17330	1047.560	16.329 #
38)	Toxaphene...	8.210	8.667	1427769	840002	434.588	451.269
39)	Toxaphene...	8.425	8.709	92598	46647	25.328	8.243 #
40)	Toxaphene...	8.656	8.901	18190	689100	10.859	358.714 #
41)	Toxaphene...	8.731	9.259	8825	340852	5.382	198.731 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 14:43
Operator : MJB
Sample : 1E13026-CAL5
Misc : A21B421, AB 10 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: May 14 12:24:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132120.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:01
 Operator : MJB
 Sample : 1E13026-CAL6
 Misc : A21B422, AB 25 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: May 14 12:25:09 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.829	4041058	2418491	23.308	23.627
22) S DCBP (S)	9.678	10.321	2943632	1598548	22.528	24.240
Target Compounds						
2) a-BHC	6.027	6.422	5654187	3534499	23.955	24.481
3) g-BHC	6.312	6.735	4795578	2936034	23.576	23.593
4) b-BHC	6.391	6.802	2069705	1262299	22.849	22.485
5) Heptachlor	6.709	7.108	4317647	2624520	22.827	23.138
6) d-BHC	6.541	7.050	4432720	2732087	24.007	24.643
7) Aldrin	6.949	7.371	5038811	3026156	23.744	24.090
8) Heptachlo...	7.417	7.805	4235181	2539417	22.959	23.198
9) trans-Chl...	7.510	7.945	4493754	2623120	23.322	23.192
10) cis-Chlor...	7.607	8.052	4339610	2571360	24.223	23.391
11) Endosulfa...	7.709	8.100	3988421	2379053	23.256	23.734
12) 4,4'-DDE	7.660	8.157	4475814	2681774	23.539	24.304
13) Dieldrin	7.882	8.298	4514721	2667809	23.582	23.992
14) Endrin	8.050	8.519	3355545	1947378	23.123	23.175
15) 4,4'-DDD	8.088	8.570	3411456	2010968	23.624	23.791
16) Endosulfa...	8.210	8.667	3343667	2080485	22.996	23.648
17) 4,4'-DDT	8.283	8.794	2543696	1451718	22.450	22.791
18) Endrin Al...	8.505	8.901	2554711	1628555	21.789	22.756
19) Endosulfa...	8.809	9.094	3049379	1631456	22.795	22.615
20) Methoxychlor	8.615	9.259	1229433	763903	21.636	21.748
21) Endrin Ke...	9.007	9.482	3401034	1896485	22.824	23.017
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.865	0.000	7501	0	BelowCal	N.D.
25) Oxychlorane	7.351	7.713f	22183	9722	BelowCal	BelowCal
26) 2,4'-DDE	7.417	7.945	4235181	2623120	35.868	36.775
27) trans-Non...	7.607	7.995	4339610	31492	24.723	BelowCal #
28) 2,4'-DDD	7.797	8.298	14272	2667809	BelowCal	44.047
29) 2,4'-DDT	7.969	8.519	10379	1947378	BelowCal	39.488

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132120.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:01
 Operator : MJB
 Sample : 1E13026-CAL6
 Misc : A21B422, AB 25 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: May 14 12:25:09 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

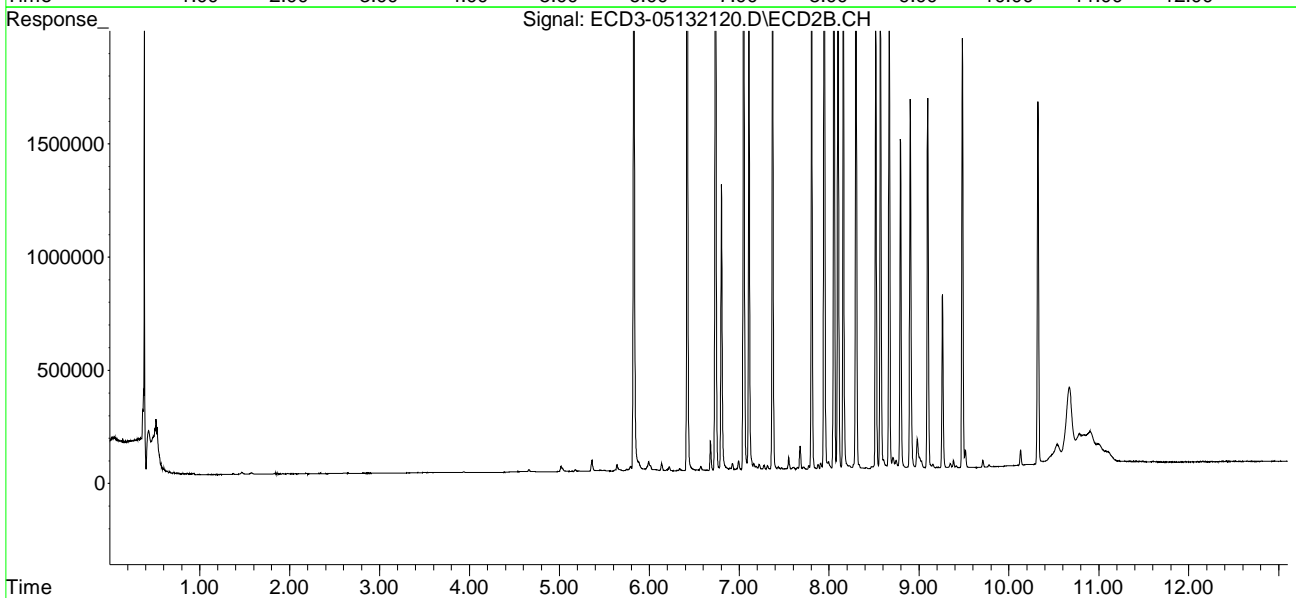
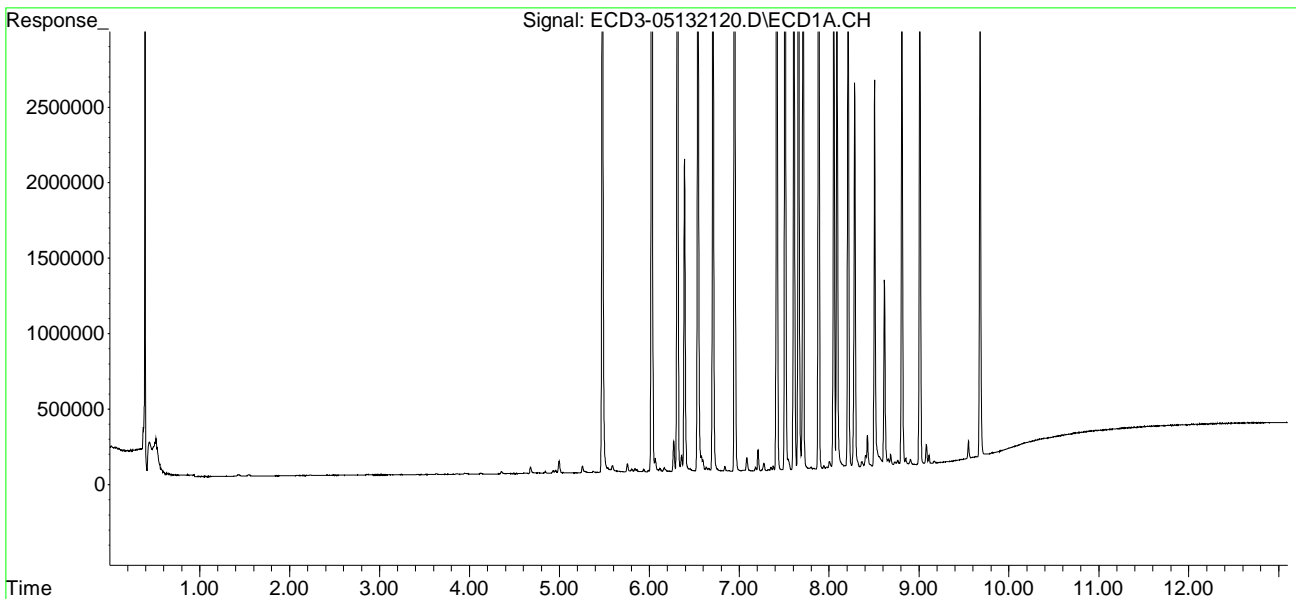
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.088	8.570	3411456	2010968	18.641	18.793
31)	Mirex	8.730	9.482	21226	1896485	BelowCal	30.207
32)	Chlordane...	7.510	7.945	4493754	2623120	205.306	191.313
33)	Chlordane...	7.607	8.052	4339610	2571360	195.888	217.834
34)	Chlordane...	0.000	8.710	0	48191	N.D.	14.408 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.298f	4339610	2667809	4252.606	2258.260 #
37)	Toxaphene...	7.882	8.605	4514721	39203	2554.907	33.015 #
38)	Toxaphene...	8.210	8.667	3343667	2080485	971.240	1069.503
39)	Toxaphene...	8.425	8.710	206616	48191	61.195	8.775 #
40)	Toxaphene...	8.657	8.901	44275	1628555	22.301	847.751 #
41)	Toxaphene...	8.730	9.259	21226	763903	9.921	431.549 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 15:01
Operator : MJB
Sample : 1E13026-CAL6
Misc : A21B422, AB 25 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: May 14 12:25:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132121.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:18
 Operator : MJB
 Sample : 1E13026-CAL7
 Misc : A21B423, AB 50 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:25:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	8197310	4935558	47.280	48.217
22) S DCBP (S)	9.678	10.319	5999135	3136910	45.912	47.981
Target Compounds						
2) a-BHC	6.027	6.421	11665300	7181568	49.422	49.742
3) g-BHC	6.312	6.735	9996866	6040877	49.147	48.543
4) b-BHC	6.391	6.802	4273590	2605637	47.180	46.414
5) Heptachlor	6.709	7.108	8706022	5303055	46.027	46.752
6) d-BHC	6.541	7.049	9255499	5746503	50.127	51.832
7) Aldrin	6.949	7.370	10385019	6204211	48.937	49.388
8) Heptachlo...	7.417	7.805	8683698	5194085	47.075	47.450
9) trans-Chl...	7.509	7.944	9265556	5613316	48.086	49.629
10) cis-Chlor...	7.607	8.051	8910334	5229200	49.592	47.569
11) Endosulfa...	7.708	8.099	8168842	4929170	47.632	49.176
12) 4,4'-DDE	7.660	8.156	9470572	5561023	49.807	50.397
13) Dieldrin	7.882	8.297	9291671	5457158	48.534	49.078
14) Endrin	8.049	8.519	6860232	4019883	47.273	47.840
15) 4,4'-DDD	8.087	8.568	7128862	4236713	49.367	50.122
16) Endosulfa...	8.209	8.666	6961477	4370229	47.878	49.674
17) 4,4'-DDT	8.282	8.793	5301714	2976329	46.791	46.726
18) Endrin Al...	8.504	8.901	5272768	3288404	45.510	46.413
19) Endosulfa...	8.808	9.094	6218470	3470240	46.485	48.103
20) Methoxychlor	8.614	9.259	2476210	1497379	43.576	42.631
21) Endrin Ke...	9.006	9.480	6909122	3977610	46.366	48.274
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.864	6.313f	17113	3126	BelowCal	BelowCal
25) Oxychlorane	7.351	7.713f	43965	17298	BelowCal	BelowCal
26) 2,4'-DDE	7.417	7.944	8683698	5613316	73.460	78.572
27) trans-Non...	7.607	7.995	8910334	51770	50.713	0.083 #
28) 2,4'-DDD	7.797	8.297	29375	5457158	BelowCal	88.712
29) 2,4'-DDT	7.968	8.519	26037	4019883	BelowCal	78.917

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132121.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:18
 Operator : MJB
 Sample : 1E13026-CAL7
 Misc : A21B423, AB 50 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:25:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

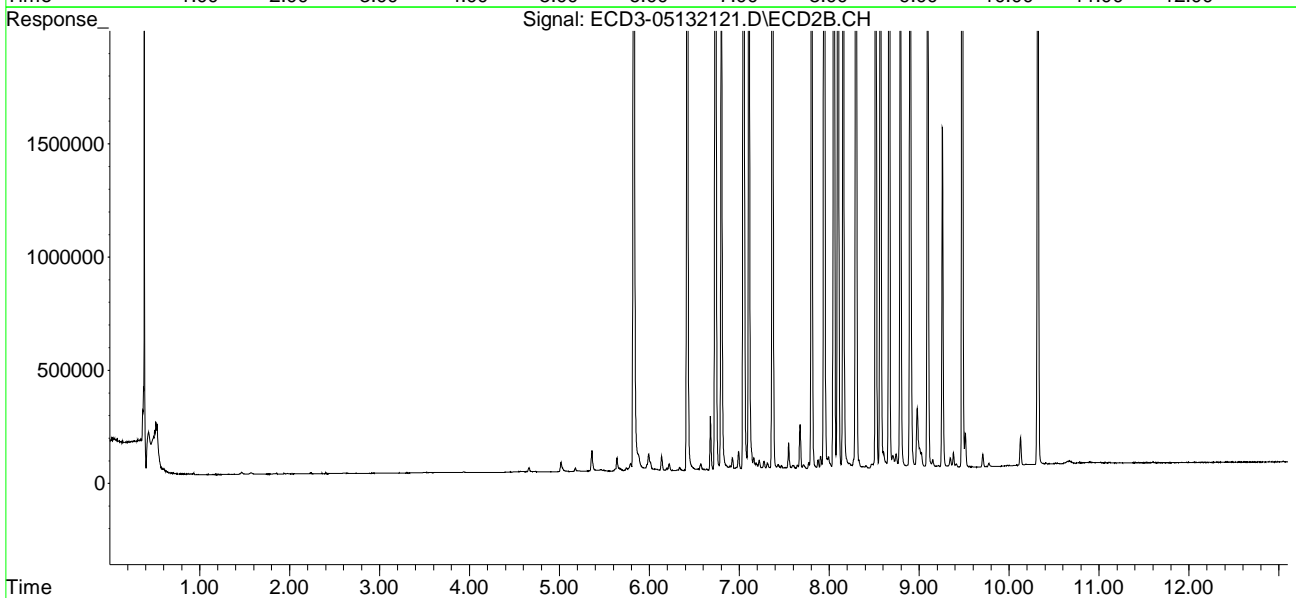
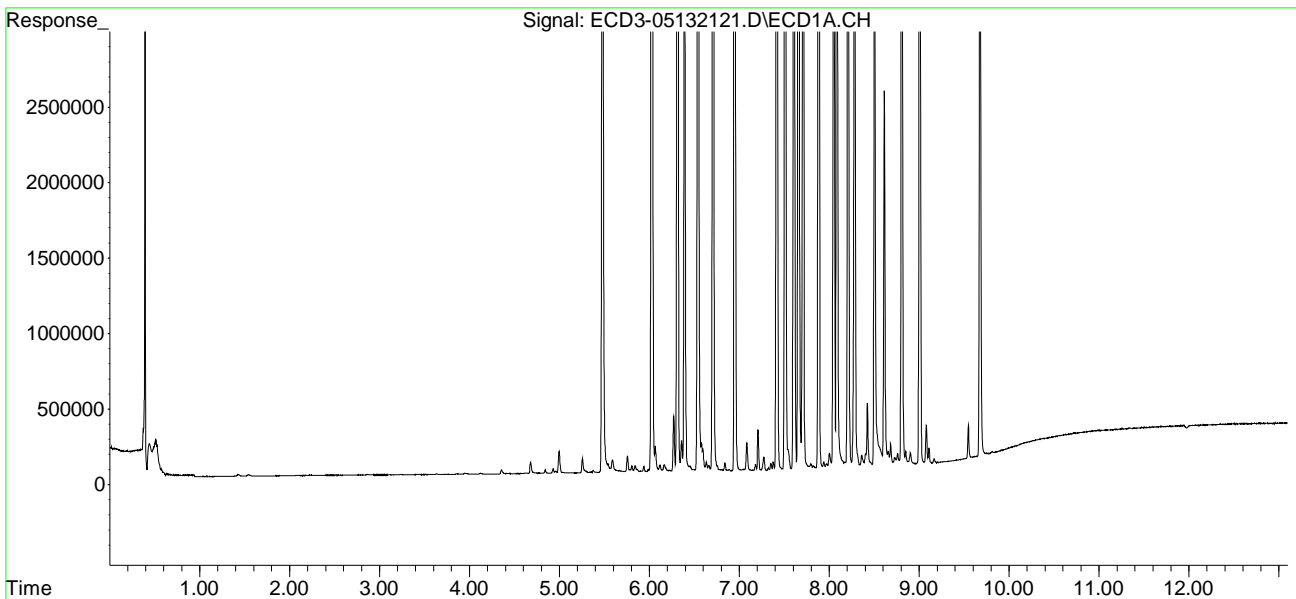
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.087	8.568	7128862	4236713	39.032	39.934
31)	Mirex	8.729	9.480	46531	3977610	BelowCal	63.971
32)	Chlordane...	7.509	7.944	9265556	5613316	423.316	409.397
33)	Chlordane...	7.607	8.051	8910334	5229200	402.208	442.994
34)	Chlordane...	8.175	8.708	31381	53767	5.507	16.075 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.297f	8910334	5457158	7741.838	4619.401 #
37)	Toxaphene...	7.882	8.605	9291671	70066	5258.211	56.504 #
38)	Toxaphene...	8.209	8.666	6961477	4370229	1880.138	2100.633
39)	Toxaphene...	8.425	8.708	417323	53767	126.711	10.695 #
40)	Toxaphene...	8.655	8.901	90483	3288404	42.477	1711.793 #
41)	Toxaphene...	8.729	9.259	46531	1497379	19.167	807.770 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 15:18
Operator : MJB
Sample : 1E13026-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:25:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132123.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:53
 Operator : MJB
 Sample : 1E13026-CAL8
 Misc : A21B424, AB 100 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: May 14 12:25:34 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	16939519	10001942	97.704	97.713
22) S DCBP (S)	9.678	10.319	12500743	6526658	95.670	101.041
Target Compounds						
2) a-BHC	6.027	6.421	24573461	14669694	104.109	101.607
3) g-BHC	6.312	6.735	21391879	12669351	105.168	101.809
4) b-BHC	6.390	6.801	8750426	5410424	96.605	96.375
5) Heptachlor	6.708	7.107	19440633	11679081	102.779	102.964
6) d-BHC	6.541	7.048	19909575	12223914	107.829	110.257
7) Aldrin	6.949	7.370	21094973	12386035	99.405	98.598
8) Heptachlo...	7.417	7.804	17853556	10943160	96.785	99.969
9) trans-Chl...	7.509	7.944	19157678	11180254	99.424	98.847
10) cis-Chlor...	7.607	8.051	18614523	10601757	102.207	96.443
11) Endosulfa...	7.708	8.098	17121677	9908448	99.836	98.851
12) 4,4'-DDE	7.660	8.156	19503449	11106292	102.571	100.651
13) Dieldrin	7.882	8.297	19290890	11230263	100.763	100.997
14) Endrin	8.049	8.518	15439187	8877356	106.391	105.648
15) 4,4'-DDD	8.087	8.568	15499469	9140697	107.332	108.138
16) Endosulfa...	8.209	8.666	14900672	8921603	102.480	101.407
17) 4,4'-DDT	8.283	8.792	12925525	7491964	114.075	117.619
18) Endrin Al...	8.504	8.900	10944443	6834095	95.656	97.382
19) Endosulfa...	8.808	9.094	13495350	7662944	100.882	106.221
20) Methoxychlor	8.614	9.258	6352153	3874265	111.785	110.301
21) Endrin Ke...	9.007	9.481	15638720	8776435	104.948	106.515
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.864	6.311f	31724	3894	BelowCal	BelowCal
25) Oxychlorane	7.350	7.711f	89454	23435	0.204	BelowCal #
26) 2,4'-DDE	7.417	7.944	17853556	11180254	149.635	154.937
27) trans-Non...	7.607	7.993	18614523	62875	104.476	0.192 #
28) 2,4'-DDD	7.797	8.297	44346	11230263	0.084	176.053 #
29) 2,4'-DDT	7.967	8.518	58198	8877356	0.281	162.090 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132123.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:53
 Operator : MJB
 Sample : 1E13026-CAL8
 Misc : A21B424, AB 100 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: May 14 12:25:34 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

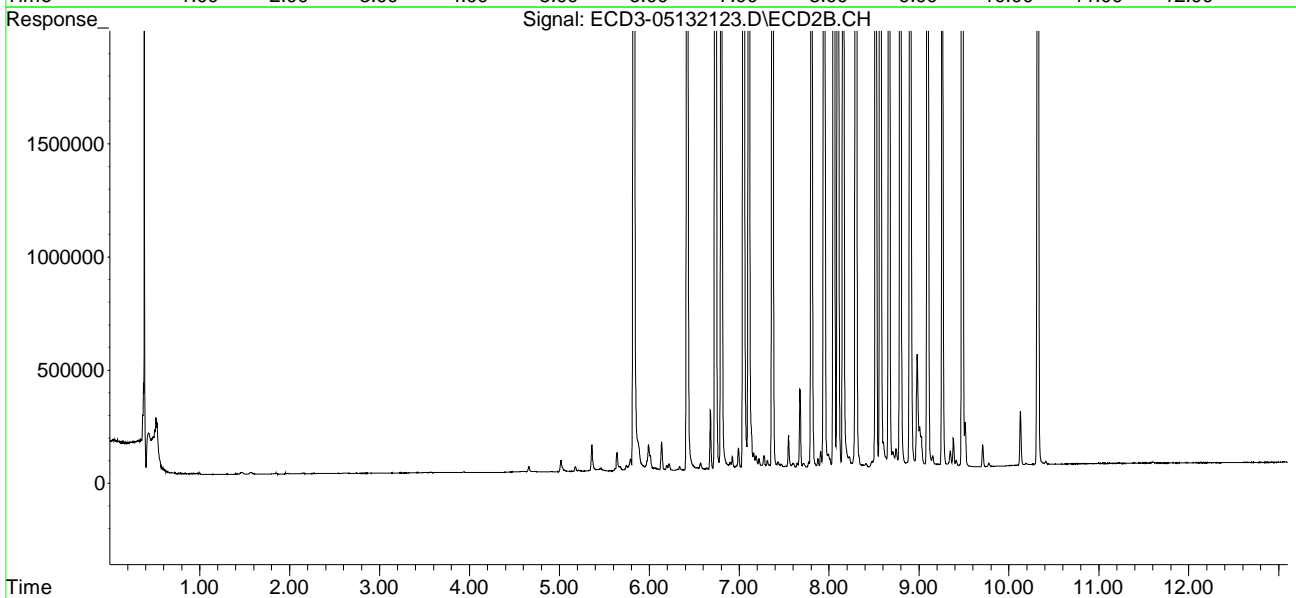
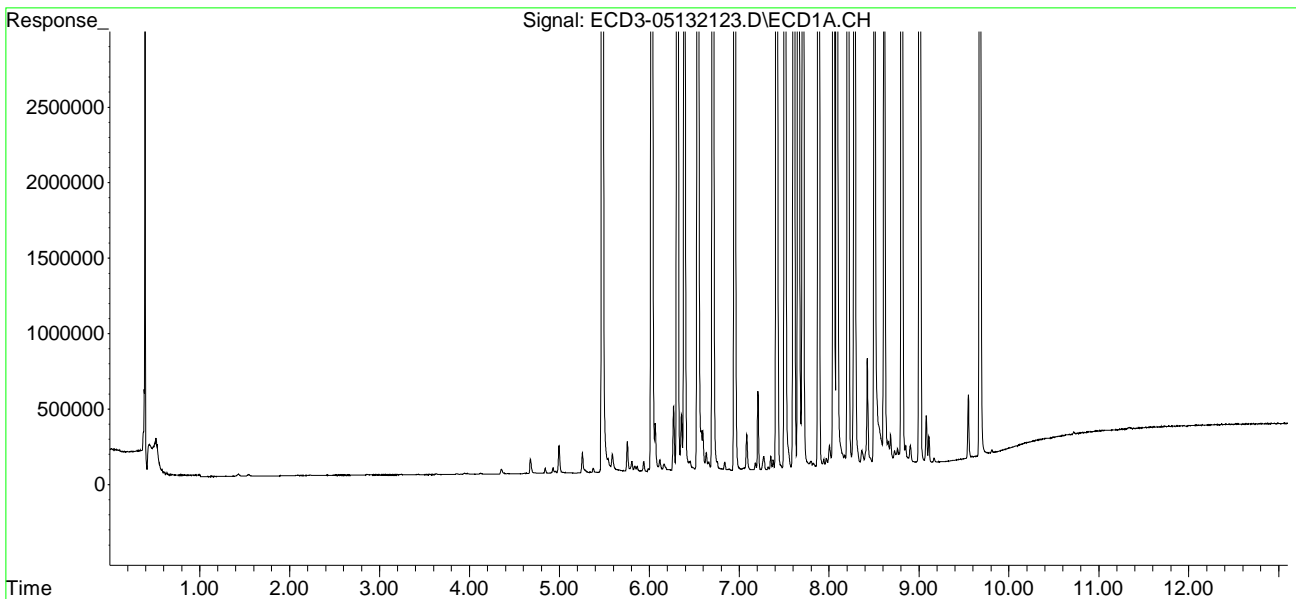
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.087	8.568	15499469	9140697	83.817	86.201
31)	Mirex	8.727	9.481	88445	8776435	0.267	141.707 #
32)	Chlordane...	7.509	7.944	19157678	11180254	875.258	815.412
33)	Chlordane...	7.607	8.051	18614523	10601757	840.250	898.133
34)	Chlordane...	8.174	8.709	72712	70157	12.761	20.976 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.297f	18614523	11230263	13592.966	9506.246
37)	Toxaphene...	7.882	8.604	19290890	109240	10916.828	86.227 #
38)	Toxaphene...	8.209	8.666	14900672	8921603	3563.497	3862.540
39)	Toxaphene...	8.424	8.709	710385	70157	216.247	16.334 #
40)	Toxaphene...	8.655	8.900	151327	6834095	68.868	3557.517 #
41)	Toxaphene...	8.727	9.258	88445	3874265	34.434	1859.391 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 15:53
Operator : MJB
Sample : 1E13026-CAL8
Misc : A21B424, AB 100 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: May 14 12:25:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132126.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 16:45
 Operator : MJB
 Sample : 1E13026-CAL9
 Misc : A21B418, AB 200 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: May 14 12:25:44 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.480	5.828	34056935	20120875	196.433	196.569
22) S DCBP (S)	9.678	10.319	25328049	12788887	193.840	201.946
Target Compounds						
2) a-BHC	6.029	6.421	49800415	28437697	210.987	196.968
3) g-BHC	6.313	6.735	42731255	24656111	210.077	198.132
4) b-BHC	6.391	6.802	17843201	10971221	196.989	195.429
5) Heptachlor	6.709	7.108	35197533	20757615	186.082	183.002
6) d-BHC	6.541	7.049	41280234	23592046	223.572	212.794
7) Aldrin	6.950	7.370	42870748	24669634	202.017	196.381
8) Heptachlo...	7.418	7.804	35179760	20783799	190.712	189.866
9) trans-Chl...	7.510	7.945	39398279	21601434	204.468	190.983
10) cis-Chlor...	7.607	8.051	37225759	20845867	198.836	189.633
11) Endosulfa...	7.709	8.099	33786120	19741394	197.006	196.949
12) 4,4'-DDE	7.660	8.157	39453106	21894557	207.488	198.420
13) Dieldrin	7.882	8.298	39060048	22178371	204.025	199.456
14) Endrin	8.050	8.519	27792491	15990928	191.516	190.306
15) 4,4'-DDD	8.087	8.568	32062883	17667687	222.032	209.015
16) Endosulfa...	8.210	8.666	29581482	18162401	203.447	206.442
17) 4,4'-DDT	8.283	8.793	23387597	13209700	206.409	207.383
18) Endrin Al...	8.505	8.900	23795141	14457548	212.753	209.060
19) Endosulfa...	8.809	9.094	27236725	15230453	203.604	211.119
20) Methoxychlor	8.614	9.258	11077816	6813580	194.948	193.984
21) Endrin Ke...	9.007	9.481	31612382	17506022	212.145	212.461
23) Hexachlor...	3.240f	0.000	5543	0	2279.258	N.D. #
24) Hexachlor...	5.864	6.314f	65731	9640	0.198	BelowCal #
25) Oxychlorane	7.351	7.712f	162571	48771	0.704	0.148 #
26) 2,4'-DDE	7.418	7.945	35179760	21601434	289.082	293.211
27) trans-Non...	7.607	7.994	37225759	113296	202.775	0.686 #
28) 2,4'-DDD	7.797	8.298	100027	22178371	0.652	326.696 #
29) 2,4'-DDT	7.968	8.519	111975	15990928	0.957	267.645 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132126.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 16:45
 Operator : MJB
 Sample : 1E13026-CAL9
 Misc : A21B418, AB 200 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: May 14 12:25:44 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 12:22:43 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

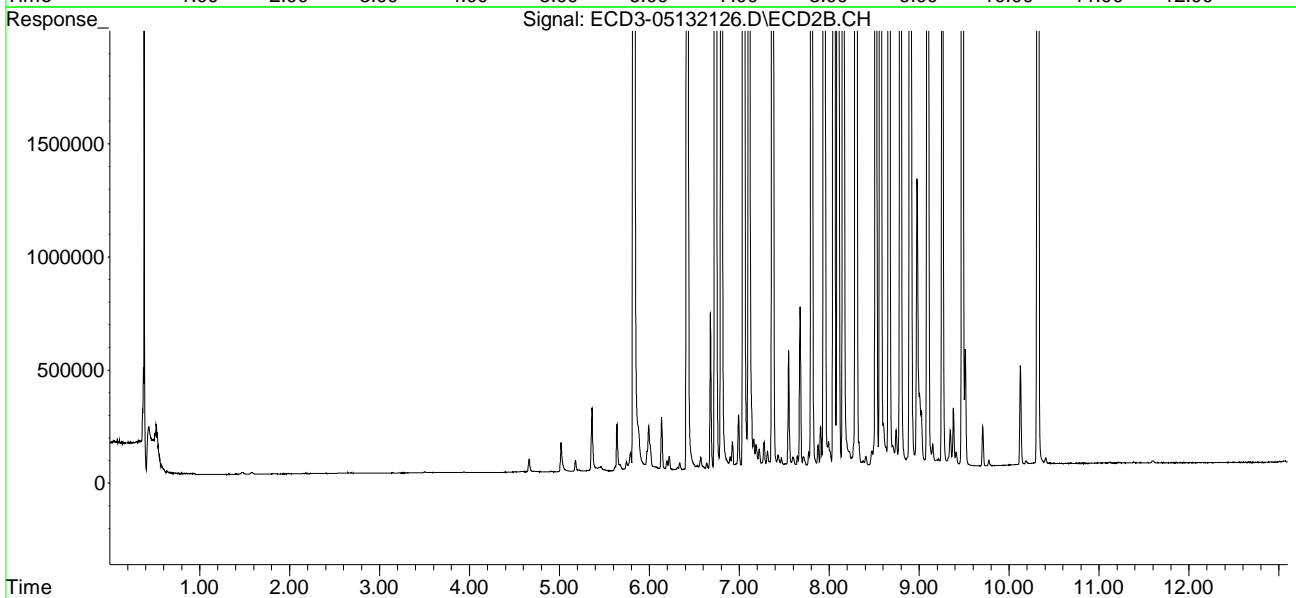
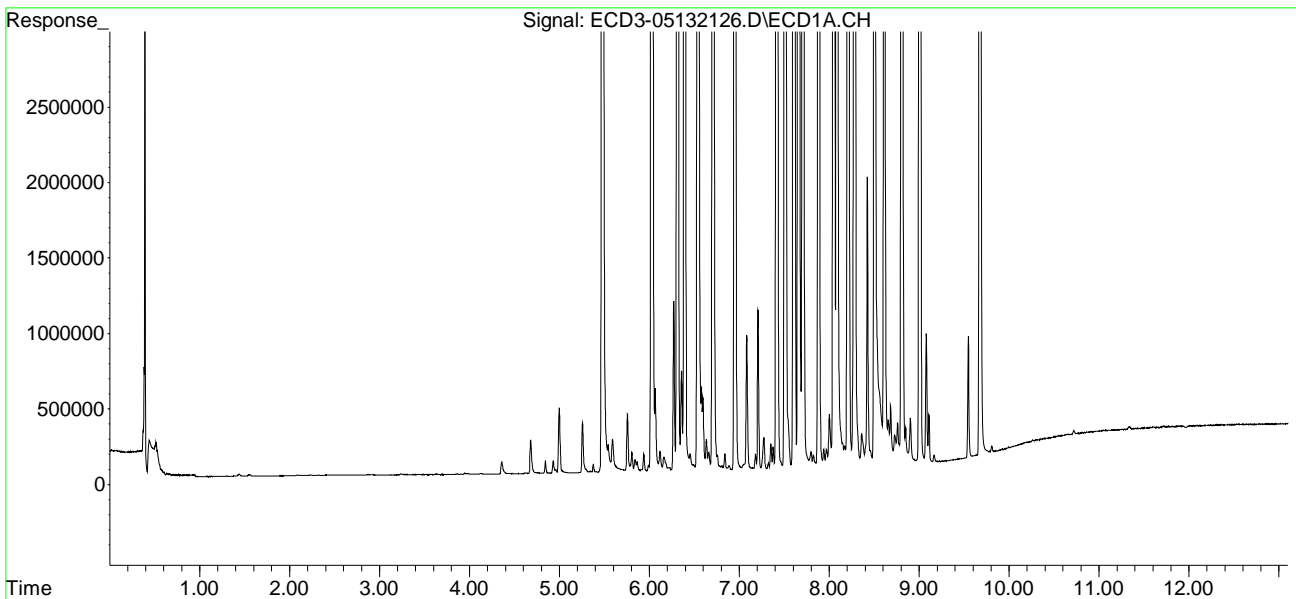
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.087	8.568	32062883	17667687	168.315	165.651
31)	Mirex	8.728	9.481	187245	17506022	1.183	282.689 #
32)	Chlordane...	7.510	7.945	39398279	21601434	1799.991	1575.462
33)	Chlordane...	7.607	8.051	37225759	20845867	1680.351	1765.967
34)	Chlordane...	8.174	8.705	124313	94896	21.817	28.372
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.253f	37225759	42356	22077.677	35.854 #
37)	Toxaphene...	7.882	8.604	39060048	187043	22104.311	144.961 #
38)	Toxaphene...	8.210	8.666	29581482	18162401	6051.599	6760.964
39)	Toxaphene...	8.424	8.705	1904414	94896	563.970	24.834 #
40)	Toxaphene...	8.656	8.900	288830	14457548	127.790	7525.938 #
41)	Toxaphene...	8.728	9.258	187245	6813580	70.191	2938.533 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 16:45
Operator : MJB
Sample : 1E13026-CAL9
Misc : A21B418, AB 200 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: May 14 12:25:44 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132129.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:37
 Operator : MJB
 Sample : 1E13026-CALA
 Misc : A21E233, 9-42 0.5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:13:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.828	0	1061	N.D.	0.010 #
22) S DCBP (S)	9.679	0.000	2057	0	0.016	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.409	0.000	91273	0	0.495	N.D. #
9) trans-Chl...	0.000	7.933	0	58102	N.D.	0.514 #
10) cis-Chlor...	7.595	8.011f	143303	90296	0.580	0.821 #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.619f	0.000	20660	0	0.109	N.D. #
13) Dieldrin	0.000	8.304	0	52260	N.D.	0.470 #
14) Endrin	8.071f	8.525	147196	42686	1.014	0.508 #
15) 4,4'-DDD	8.071	8.569	147196	89678	1.019	1.061
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	8.283	8.791	4597	3666	0.041	0.058 #
18) Endrin Al...	8.505	8.901	9220	4621	BelowCal	BelowCal
19) Endosulfa...	8.814	0.000	2757	0	0.021	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.471	0	63791	N.D.	0.774 #
23) Hexachlor...	3.280	3.545	114904	85857	0.480	0.475
24) Hexachlor...	5.863	6.291	111719	66822	0.475	0.487
25) Oxychlorane	7.341	7.736	126670	76256	0.459	0.464
26) 2,4'-DDE	7.409	7.933	91273	58102	0.458	0.466
27) trans-Non...	7.595	8.011	143303	90296	0.459	0.461
28) 2,4'-DDD	7.787	8.304	81354	52260	0.462	0.463
29) 2,4'-DDT	7.967	8.525	73831	42686	0.477	0.479

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132129.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:37
 Operator : MJB
 Sample : 1E13026-CALA
 Misc : A21E233, 9-42 0.5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:13:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

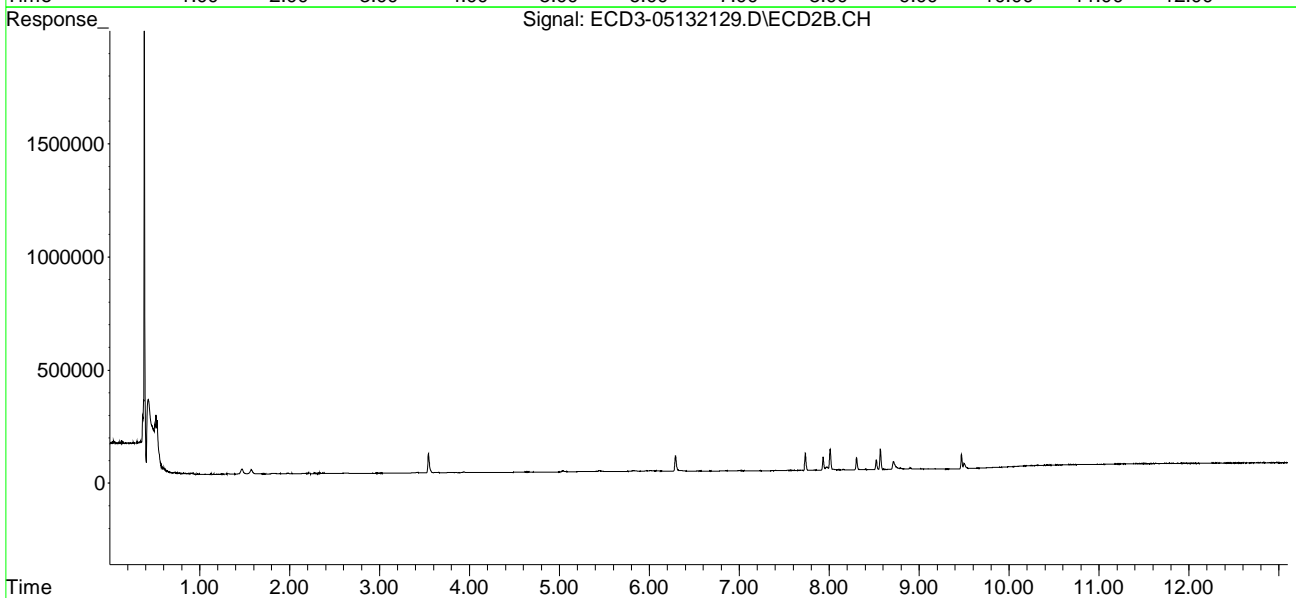
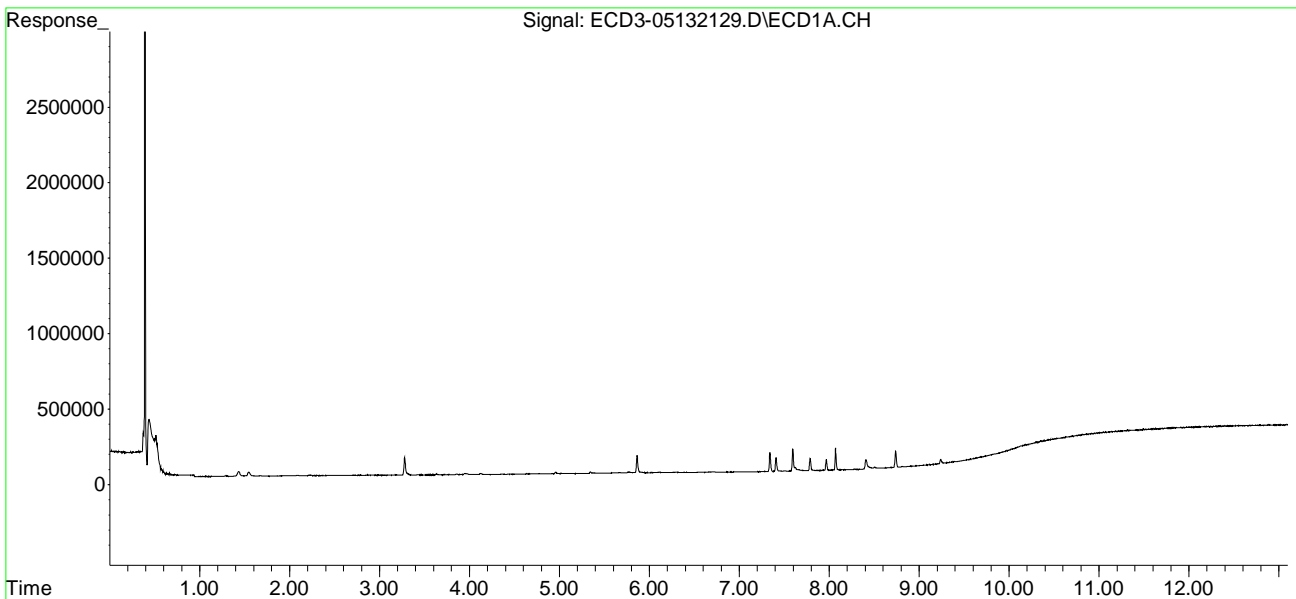
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.569	147196	89678	0.464	0.470
31)	Mirex	8.738	9.471	107763	63791	0.446	0.447
32)	Chlordane...	0.000	7.933	0	58102	N.D.	4.238 #
33)	Chlordane...	7.595	8.011f	143303	90296	6.469	7.649
34)	Chlordane...	0.000	8.716	0	33254	N.D.	9.942 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.595	8.304f	143303	52260	167.830	44.237 #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.408f	8.716	60949	33254	15.319	3.629 #
40)	Toxaphene...	0.000	8.901	0	4621	N.D.	2.406 #
41)	Toxaphene...	8.738	0.000	107763	0	41.450	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:13:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132130.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:55
 Operator : MJB
 Sample : 1E13026-CALB
 Misc : A21C326, 9-42 1 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: May 14 12:14:00 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.682	0.000	1916	0	0.015	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.403f	0	10679	N.D.	0.085 #
8) Heptachlo...	7.410	7.844f	178837	3861	0.969	0.035 #
9) trans-Chl...	7.497	7.933	17291	108074	0.090	0.956 #
10) cis-Chlor...	7.595	8.011f	272210	166010	1.311	1.510
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.657	0.000	9170	0	0.048	N.D. #
13) Dieldrin	0.000	8.304	0	95600	N.D.	0.860 #
14) Endrin	8.071f	8.524	277379	74762	1.911	0.890 #
15) 4,4'-DDD	8.071	8.568	277379	163577	1.921	1.935
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.468f	0.000	3107	0	BelowCal	N.D.
19) Endosulfa...	8.811	0.000	1499	0	0.011	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.015	9.472	1232	112928	0.008	1.371 #
23) Hexachlor...	3.280	3.545	214430	162107	1.060	1.085
24) Hexachlor...	5.864	6.291	215748	123974	1.102	1.065
25) Oxychlorane	7.342	7.736	236452	139591	1.209	1.193
26) 2,4'-DDE	7.410	7.933	178837	108074	1.210	1.177
27) trans-Non...	7.595	8.011	272210	166010	1.210	1.202
28) 2,4'-DDD	7.787	8.304	153093	95600	1.194	1.199
29) 2,4'-DDT	7.967	8.524	128520	74762	1.165	1.161

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132130.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:55
 Operator : MJB
 Sample : 1E13026-CALB
 Misc : A21C326, 9-42 1 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: May 14 12:14:00 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

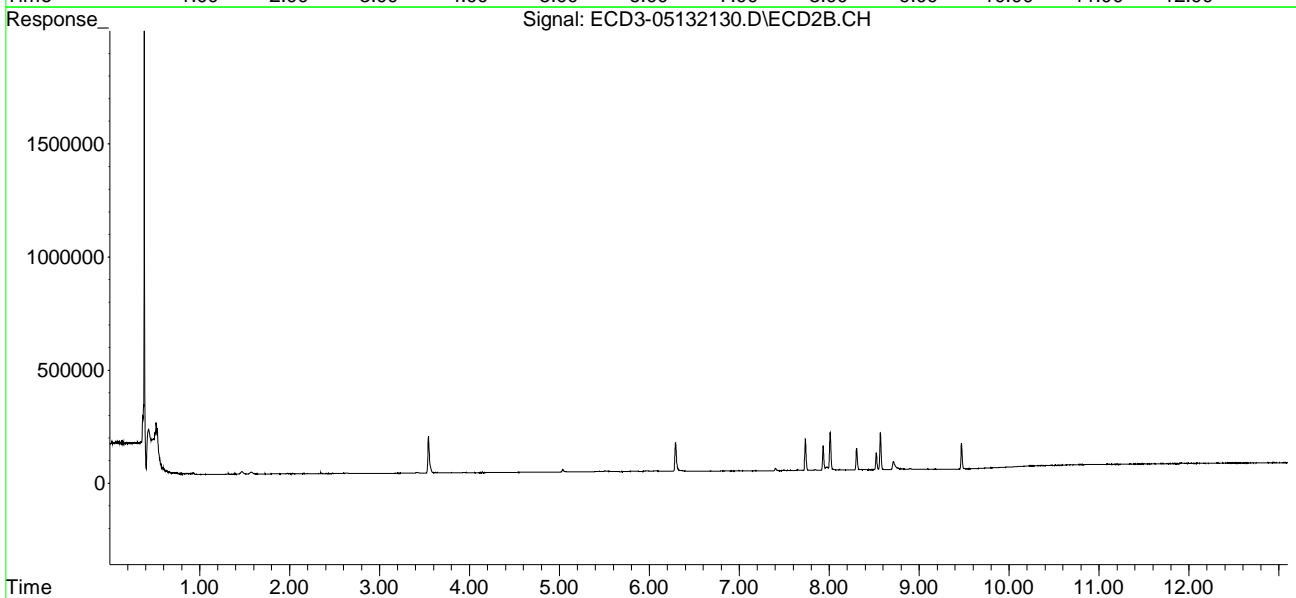
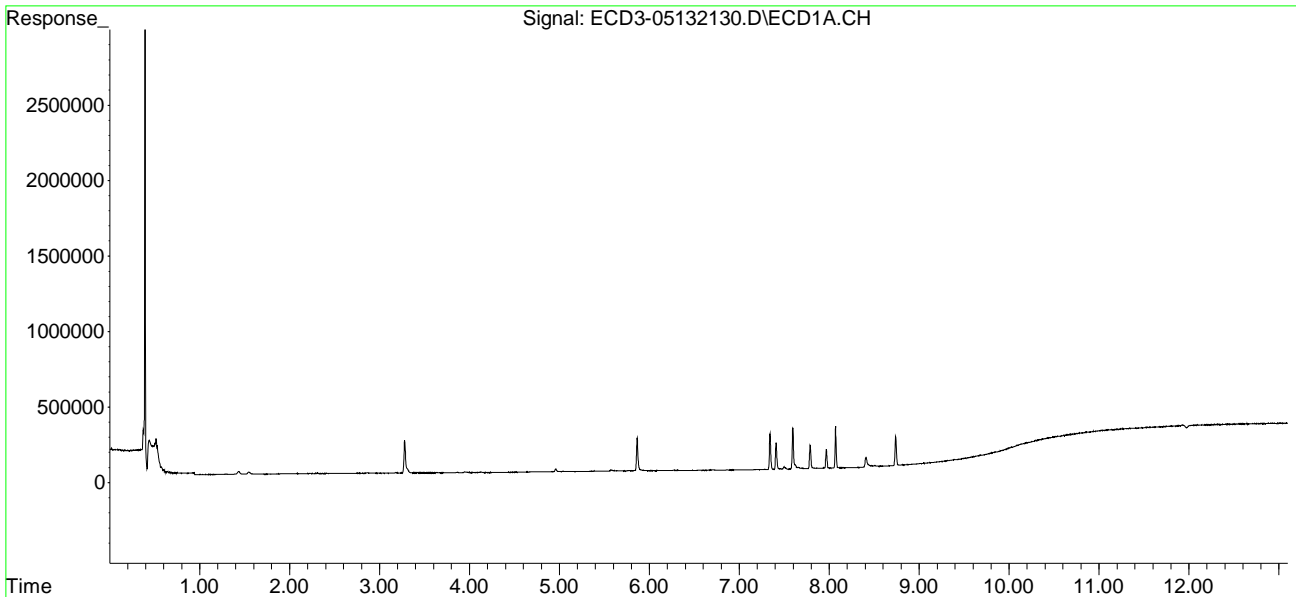
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	277379	163577	1.194	1.176
31)	Mirex	8.738	9.472	193987	112928	1.246	1.245
32)	Chlordane...	7.497	7.933	17291	108074	0.790	7.882 #
33)	Chlordane...	7.595	8.011f	272210	166010	12.287	14.064
34)	Chlordane...	0.000	8.713	0	34714	N.D.	10.379 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.595	8.304f	272210	95600	314.260	80.924 #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.468f	8.713	3107	34714	BelowCal	4.132
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	8.738	0.000	193987	0	72.619	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:55
Operator : MJB
Sample : 1E13026-CALB
Misc : A21C326, 9-42 1 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: May 14 12:14:00 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132131.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:12
 Operator : MJB
 Sample : 1E13026-CALC
 Misc : A21C327, 9-42 2 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: May 14 12:14:33 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.863f	0	2785	N.D.	0.027 #
22) S DCBP (S)	9.700f	0.000	915	0	0.007	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.709	0.000	3465	0	0.018	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.402f	0	8348	N.D.	0.066 #
8) Heptachlo...	7.409	7.844f	256444	5593	1.390	0.051 #
9) trans-Chl...	7.502	7.933	11735	156945	0.061	1.388 #
10) cis-Chlor...	7.595	8.012f	383855	234297	1.944	2.131
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.656	0.000	7228	0	0.038	N.D. #
13) Dieldrin	0.000	8.303	0	135036	N.D.	1.214 #
14) Endrin	8.071f	8.524	393687	105176	2.713	1.252 #
15) 4,4'-DDD	8.071	8.568	393687	231094	2.726	2.734
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...	8.814	0.000	1534	0	0.011	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.010	9.471	1625	155396	0.011	1.886 #
23) Hexachlor...	3.282	3.547	391212	285400	2.092	2.074
24) Hexachlor...	5.864	6.291	367166	213035	2.015	1.966
25) Oxychlorane	7.341	7.736	334530	197102	1.879	1.854
26) 2,4'-DDE	7.409	7.933	256444	156945	1.876	1.873
27) trans-Non...	7.595	8.012	383855	234297	1.861	1.871
28) 2,4'-DDD	7.787	8.303	221117	135036	1.888	1.869
29) 2,4'-DDT	7.967	8.524	179793	105176	1.809	1.808

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132131.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:12
 Operator : MJB
 Sample : 1E13026-CALC
 Misc : A21C327, 9-42 2 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: May 14 12:14:33 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

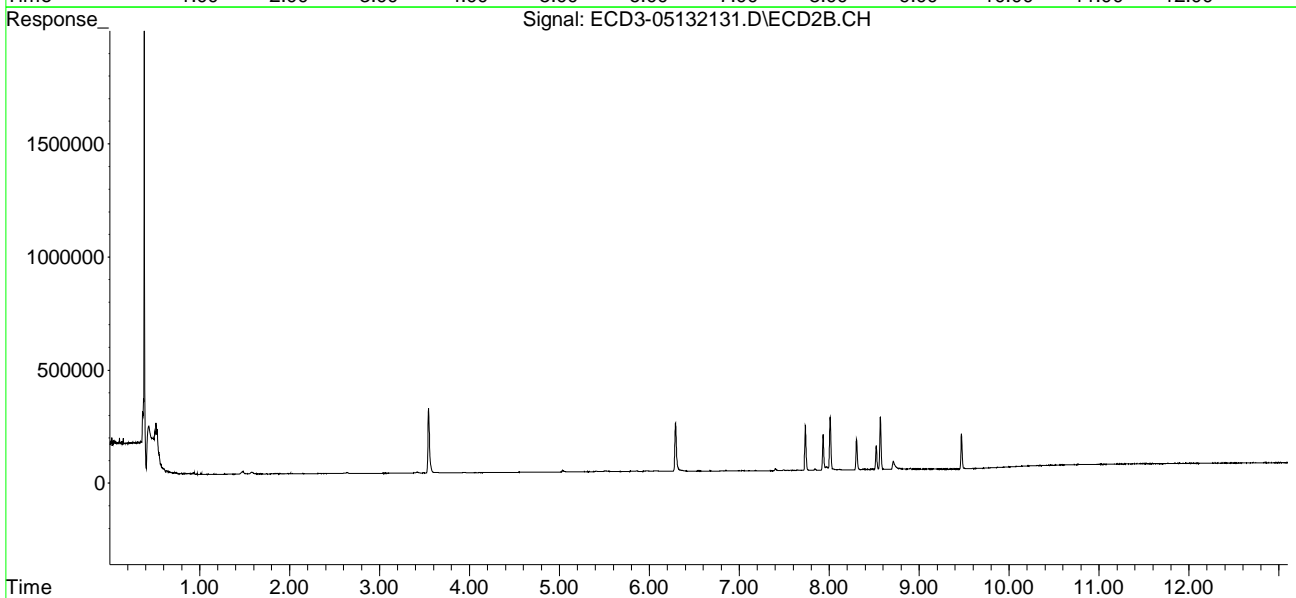
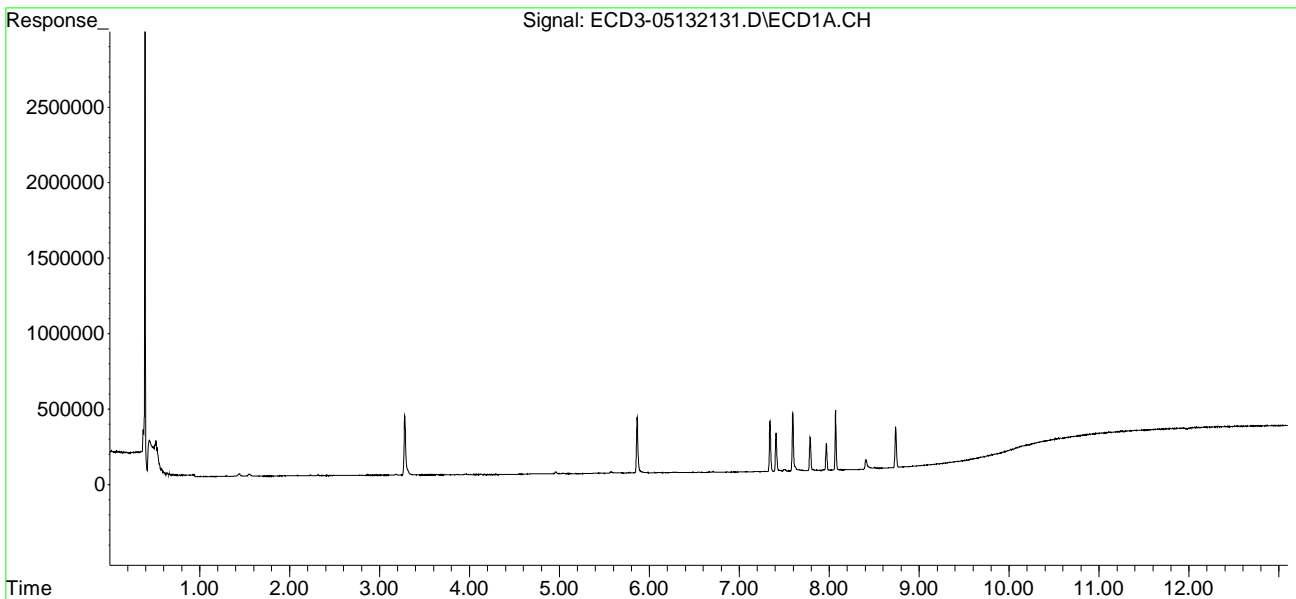
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	393687	231094	1.846	1.821
31)	Mirex	8.738	9.471	268365	155396	1.935	1.935
32)	Chlordane...	7.502	7.933	11735	156945	0.536	11.446 #
33)	Chlordane...	7.595	8.012f	383855	234297	17.327	19.849
34)	Chlordane...	0.000	8.713	0	35545	N.D.	10.627 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.595	8.303f	383855	135036	439.637	114.306 #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.456	8.713	5417	35545	BelowCal	4.418
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	8.738	0.000	268365	0	99.313	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 18:12
Operator : MJB
Sample : 1E13026-CALC
Misc : A21C327, 9-42 2 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: May 14 12:14:33 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132132.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:30
 Operator : MJB
 Sample : 1E13026-CALD
 Misc : A21C328, 9-42 5 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: May 14 12:17:34 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.451f	5.865f	5809	4181	0.034	0.041
22) S DCBP (S)	9.659	0.000	1139	0	0.009	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.273f	0.000	10004	0	0.049	N.D. #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.710	0.000	5641	0	0.030	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.405f	0	3701	N.D.	0.029 #
8) Heptachlo...	7.410	0.000	594594	0	3.223	N.D. #
9) trans-Chl...	7.507	7.933	9889	364052	0.051	3.219 #
10) cis-Chlor...	7.596	8.012f	864447	518979	4.667	4.721
11) Endosulfa...	7.692	8.117	12448	6732	0.073	0.067
12) 4,4'-DDE	7.692f	8.117f	12448	6732	0.065	0.061
13) Dieldrin	0.000	8.303	0	291072	N.D.	2.618 #
14) Endrin	8.071f	8.524	891375	207327	6.142	2.467 #
15) 4,4'-DDD	8.071	8.568	891375	520021	6.173	6.152
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.504	0.000	7397	0	BelowCal	N.D.
19) Endosulfa...	8.783f	0.000	3112	0	0.023	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.017	9.471	929	318113	0.006	3.861 #
23) Hexachlor...	3.281	3.546	865313	641847	4.863	4.944
24) Hexachlor...	5.864	6.291	844644	494548	4.888	4.813
25) Oxychlorane	7.342	7.736	724994	434614	4.547	4.586
26) 2,4'-DDE	7.410	7.933	594594	364052	4.779	4.819
27) trans-Non...	7.596	8.012	864447	518979	4.657	4.658
28) 2,4'-DDD	7.788	8.303	489699	291072	4.624	4.516
29) 2,4'-DDT	7.968	8.524	353725	207327	3.987	3.972

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132132.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:30
 Operator : MJB
 Sample : 1E13026-CALD
 Misc : A21C328, 9-42 5 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: May 14 12:17:34 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

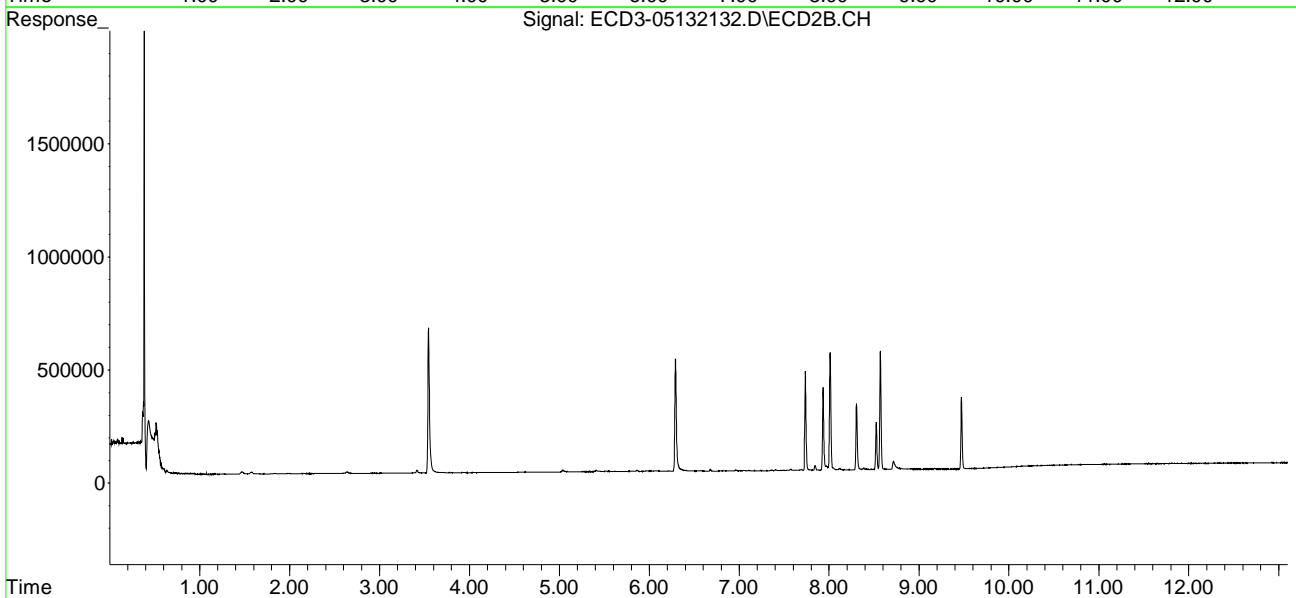
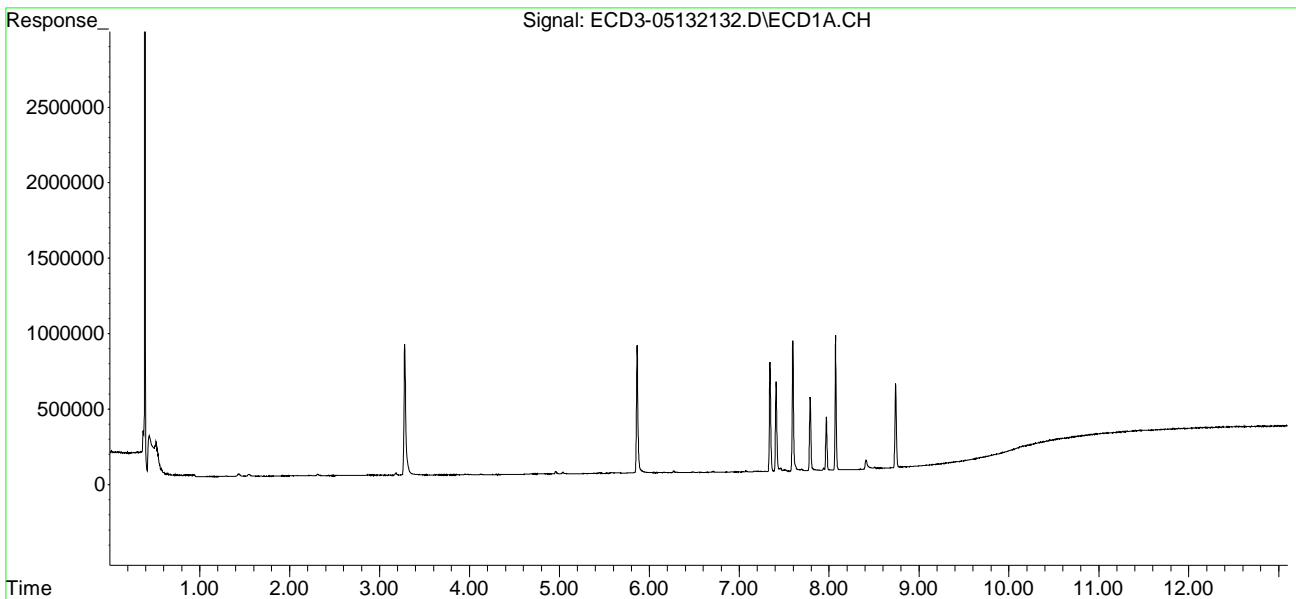
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	891375	520021	4.631	4.580
31)	Mirex	8.738	9.471	555798	318113	4.598	4.578
32)	Chlordane...	7.507	7.933	9889	364052	0.452	26.552 #
33)	Chlordane...	7.596	8.012f	864447	518979	39.021	43.966
34)	Chlordane...	0.000	8.715	0	34607	N.D.	10.347 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.596	8.303f	864447	291072	965.011	246.388 #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.409f	8.715	60003	34607	15.019	4.095 #
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	8.738	0.000	555798	0	200.855	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 18:30
Operator : MJB
Sample : 1E13026-CALD
Misc : A21C328, 9-42 5 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: May 14 12:17:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132133.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:47
 Operator : MJB
 Sample : 1E13026-CALE
 Misc : A21C329, 9-42 10 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: May 14 12:17:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.451f	5.865f	14080	9349	0.081	0.091
22) S DCBP (S)	9.669	0.000	1497	0	0.011	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.272f	0.000	9806	0	0.048	N.D. #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.709	7.107	6503	3844	0.034	0.034
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.404f	0	4642	N.D.	0.037 #
8) Heptachlo...	7.410	7.843f	1206190	18707	6.539	0.171 #
9) trans-Chl...	7.510	7.933	14822	729823	0.077	6.453 #
10) cis-Chlor...	7.595	8.012f	1838937	1078206	10.175	9.808
11) Endosulfa...	7.691	8.117	13655	7628	0.080	0.076
12) 4,4'-DDE	7.691f	8.117f	13655	7628	0.072	0.069
13) Dieldrin	7.878	8.303	5270	626399	0.028	5.633 #
14) Endrin	8.071f	8.524	1918012	542774	13.217	6.459 #
15) 4,4'-DDD	8.071	8.568	1918012	1136343	13.282	13.443
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.504	0.000	9304	0	BelowCal	N.D.
19) Endosulfa...	8.783f	0.000	4503	0	0.034	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.471	0	671908	N.D.	8.155 #
23) Hexachlor...	3.281	3.546	1807155	1287318	10.387	10.179
24) Hexachlor...	5.864	6.291	1696981	1022033	10.007	10.142
25) Oxychlorane	7.341	7.736	1591687	938205	10.459	10.374
26) 2,4'-DDE	7.410	7.933	1206190	729823	10.023	10.016
27) trans-Non...	7.595	8.012	1838937	1078206	10.311	10.130
28) 2,4'-DDD	7.787	8.303	1051481	626399	10.323	10.181
29) 2,4'-DDT	7.967	8.524	933973	542774	11.184	11.014

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132133.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:47
 Operator : MJB
 Sample : 1E13026-CALE
 Misc : A21C329, 9-42 10 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: May 14 12:17:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

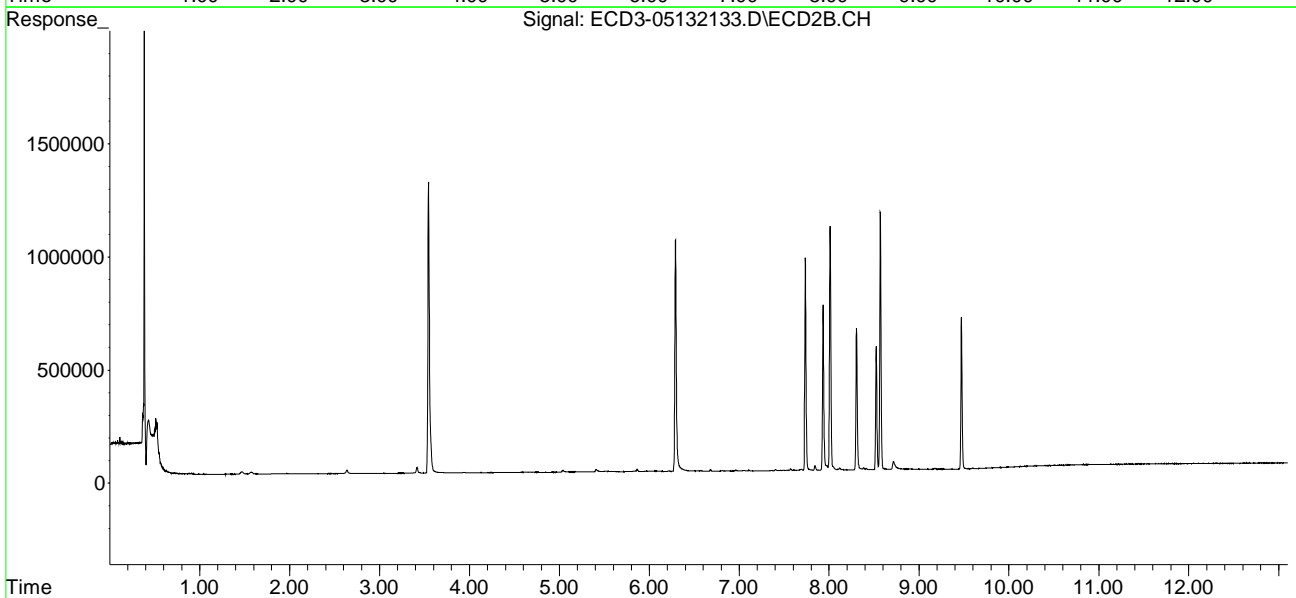
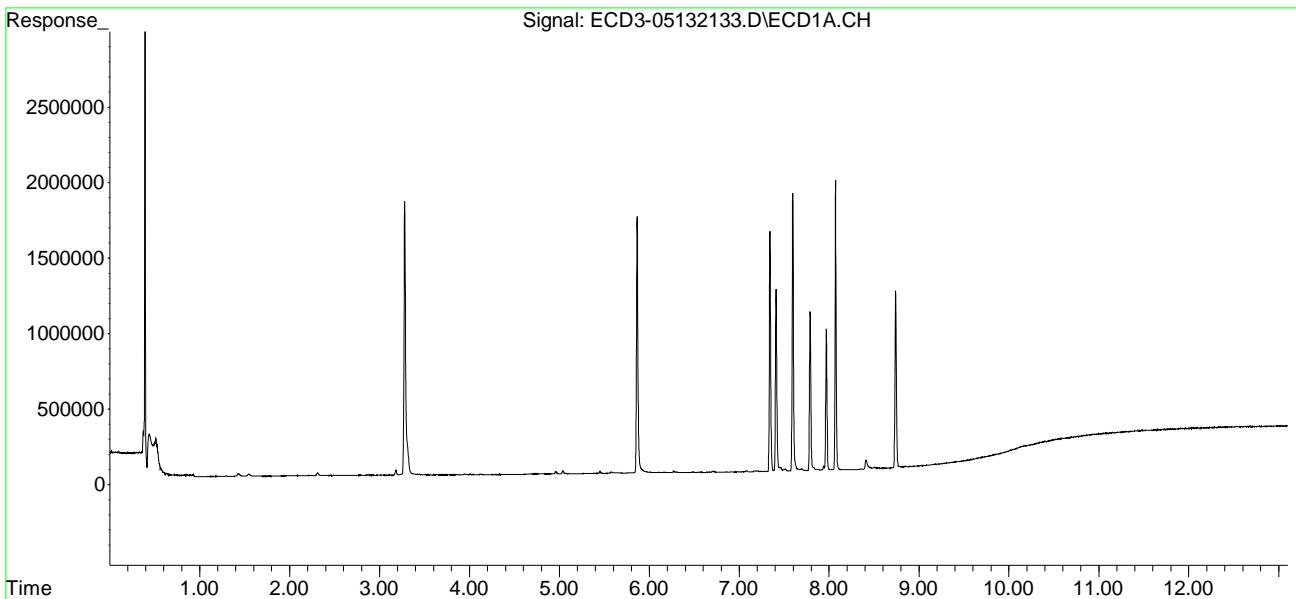
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	1918012	1136343	10.357	10.460
31)	Mirex	8.738	9.471	1167813	671908	10.258	10.324
32)	Chlordane...	7.510	7.933	14822	729823	0.677	53.228 #
33)	Chlordane...	7.595	8.012f	1838937	1078206	83.009	91.341
34)	Chlordane...	0.000	8.715	0	33818	N.D.	10.111 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.595	8.303f	1838937	626399	1967.792	530.237 #
37)	Toxaphene...	7.878	0.000	5270	0	2.982	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.410f	8.715	59374	33818	14.820	3.823 #
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	8.738	0.000	1167813	0	409.177	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 18:47
Operator : MJB
Sample : 1E13026-CALE
Misc : A21C329, 9-42 10 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: May 14 12:17:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132134.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:04
 Operator : MJB
 Sample : 1E13026-CALF
 Misc : A21C330, 9-42 25 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: May 14 12:18:07 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.451f	5.864f	31046	21002	0.179	0.205
22) S DCBP (S)	9.688	0.000	1628	0	0.012	N.D. #
Target Compounds						
2) a-BHC	6.002f	6.441	2094	1490	0.009	0.010
3) g-BHC	6.305	0.000	7459	0	0.037	N.D. #
4) b-BHC	0.000	6.813	0	4399	N.D.	0.078 #
5) Heptachlor	6.709	7.108	15845	10987	0.084	0.097
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.353	0	5684	N.D.	0.045 #
8) Heptachlo...	7.410	7.843f	2935773	56761	15.915	0.519 #
9) trans-Chl...	7.510	7.933	28865	1765278	0.150	15.607 #
10) cis-Chlor...	7.595	8.011f	4399415	2597710	24.557	23.631
11) Endosulfa...	7.692	8.117	39379	20791	0.230	0.207
12) 4,4'-DDE	7.692f	8.117f	39379	20791	0.207	0.188
13) Dieldrin	0.000	8.303	0	1528853	N.D.	13.749 #
14) Endrin	8.071f	8.524	4524155	1261397	31.176	15.012 #
15) 4,4'-DDD	8.071	8.568	4524155	2680783	31.329	31.715
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.504	0.000	17553	0	BelowCal	N.D.
19) Endosulfa...	8.784f	0.000	14666	0	0.110	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.471	0	1521789	N.D.	18.469 #
23) Hexachlor...	3.281	3.546	4282612	3046392	25.039	24.713
24) Hexachlor...	5.864	6.290	4135923	2458895	24.567	24.638
25) Oxychlorane	7.342	7.736	3678903	2202001	24.657	24.876
26) 2,4'-DDE	7.410	7.933	2935773	1765278	24.806	24.679
27) trans-Non...	7.595	8.011	4399415	2597710	25.066	24.978
28) 2,4'-DDD	7.787	8.303	2483248	1528853	24.711	25.282
29) 2,4'-DDT	7.967	8.524	2108924	1261397	25.447	25.777

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132134.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:04
 Operator : MJB
 Sample : 1E13026-CALF
 Misc : A21C330, 9-42 25 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: May 14 12:18:07 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

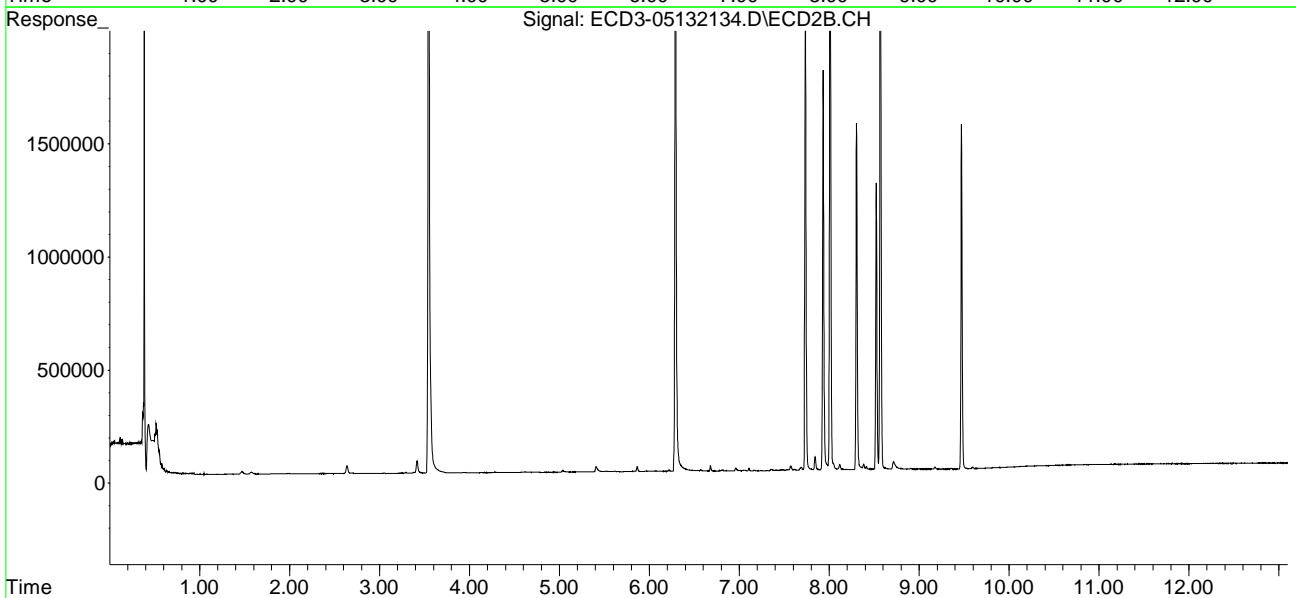
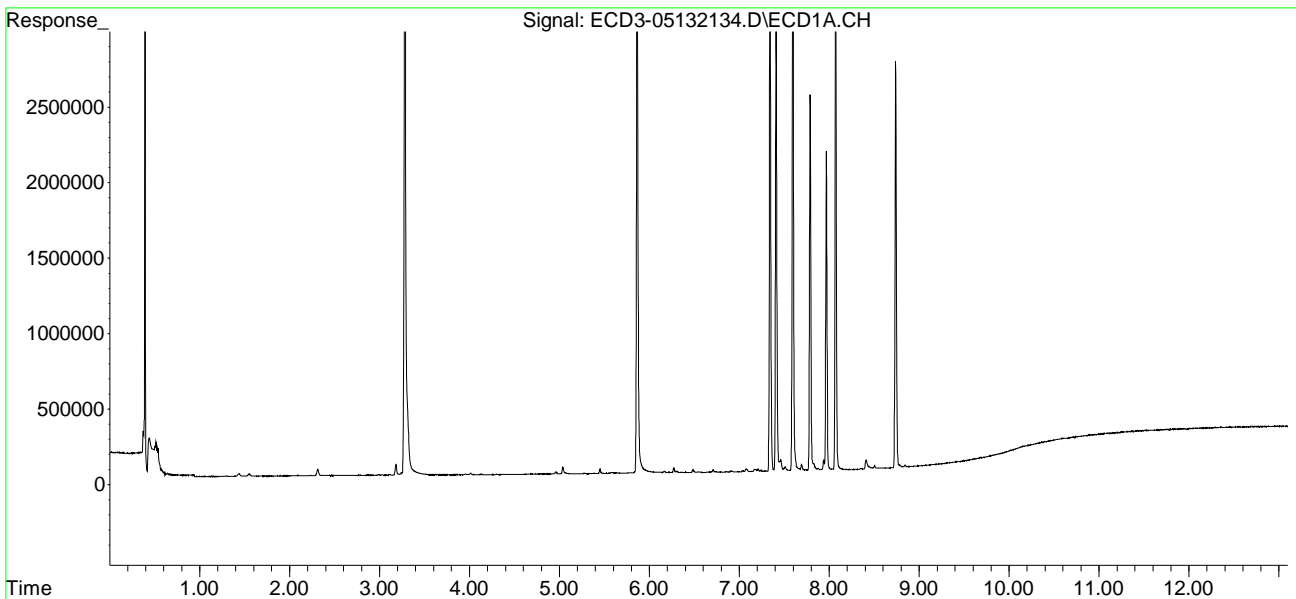
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	4524155	2680783	24.778	25.164
31)	Mirex	8.738	9.471	2687924	1521789	24.260	24.124
32)	Chlordane...	7.510	7.933	28865	1765278	1.319	128.747 #
33)	Chlordane...	7.595	8.011f	4399415	2597710	198.587	220.066
34)	Chlordane...	0.000	8.715	0	32201	N.D.	9.628 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.595	8.303f	4399415	1528853	4303.219	1294.151 #
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.409f	8.715	59380	32201	14.822	3.266 #
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41)	Toxaphene...	8.738	0.000	2687924	0	887.895	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 19:04
Operator : MJB
Sample : 1E13026-CALF
Misc : A21C330, 9-42 25 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: May 14 12:18:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132135.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:22
 Operator : MJB
 Sample : 1E13026-CALG
 Misc : A21C331, 9-42 50 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:18:17 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.451f	5.865f	63187	39418	0.364	0.385
22) S DCBP (S)	9.683	0.000	2699	0	0.021	N.D. #
Target Compounds						
2) a-BHC	6.025	0.000	4297	0	0.018	N.D. #
3) g-BHC	6.304	0.000	13473	0	0.066	N.D. #
4) b-BHC	0.000	6.813	0	8573	N.D.	0.153 #
5) Heptachlor	6.709	7.108	25855	17258	0.137	0.152
6) d-BHC	6.548	7.056	5303	4552	0.029	0.041 #
7) Aldrin	0.000	7.359	0	7573	N.D.	0.060 #
8) Heptachlo...	7.410	7.843f	5774569	81647	31.304	0.746 #
9) trans-Chl...	7.510	7.933	46901	3549291	0.243	31.380 #
10) cis-Chlor...	7.595	8.012f	8533264	5159251	47.514	46.933
11) Endosulfa...	7.691	8.117	54139	28983	0.316	0.289
12) 4,4'-DDE	7.657	8.117f	21154	28983	0.111	0.263 #
13) Dieldrin	7.876	8.304	22888	3054443	0.120	27.469 #
14) Endrin	8.071f	8.525	9110847	2587749	62.782	30.796 #
15) 4,4'-DDD	8.071	8.568	9110847	5299835	63.092	62.699
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.503	8.910	25666	5440	BelowCal	BelowCal
19) Endosulfa...	8.785f	0.000	26377	0	0.197	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.005	9.472	430	3049951	0.003	37.016 #
23) Hexachlor...	3.281	3.546	8094762	5769547	47.986	48.048
24) Hexachlor...	5.864	6.290	8188157	4968778	48.490	49.876
25) Oxychlorane	7.341	7.736	7365900	4452891	49.595	50.625
26) 2,4'-DDE	7.410	7.933	5774569	3549291	48.925	49.781
27) trans-Non...	7.595	8.012	8533264	5159251	48.586	49.943
28) 2,4'-DDD	7.786	8.304	5048037	3054443	50.010	50.345
29) 2,4'-DDT	7.967	8.525	4397259	2587749	52.138	51.976

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132135.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:22
 Operator : MJB
 Sample : 1E13026-CALG
 Misc : A21C331, 9-42 50 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:18:17 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

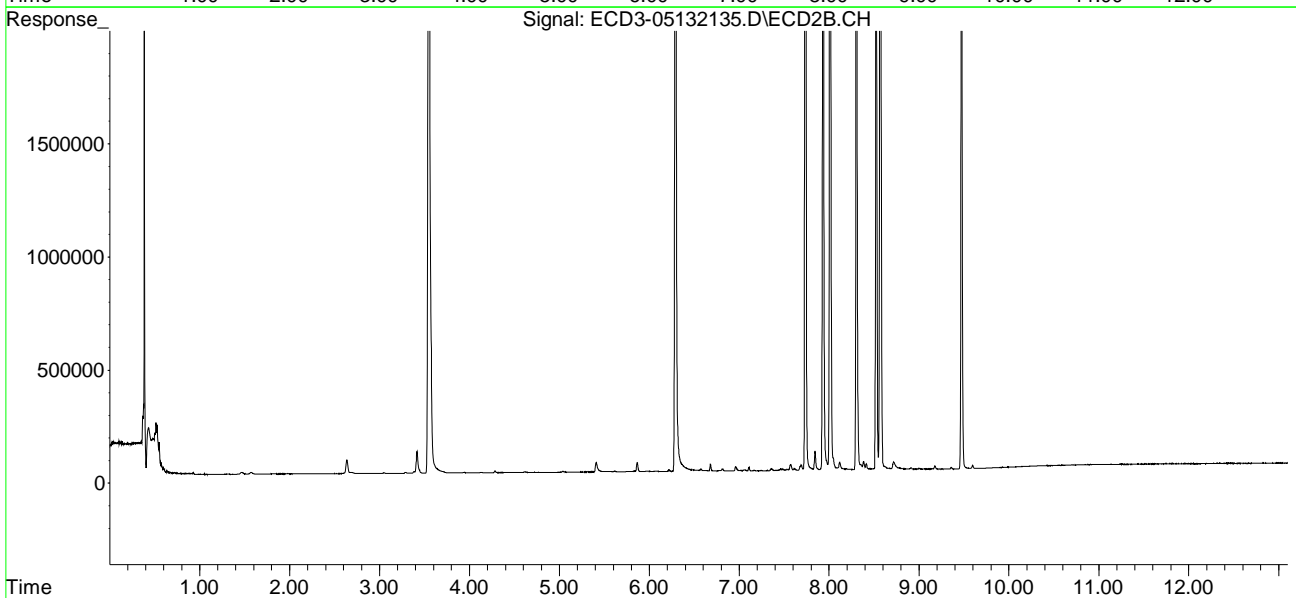
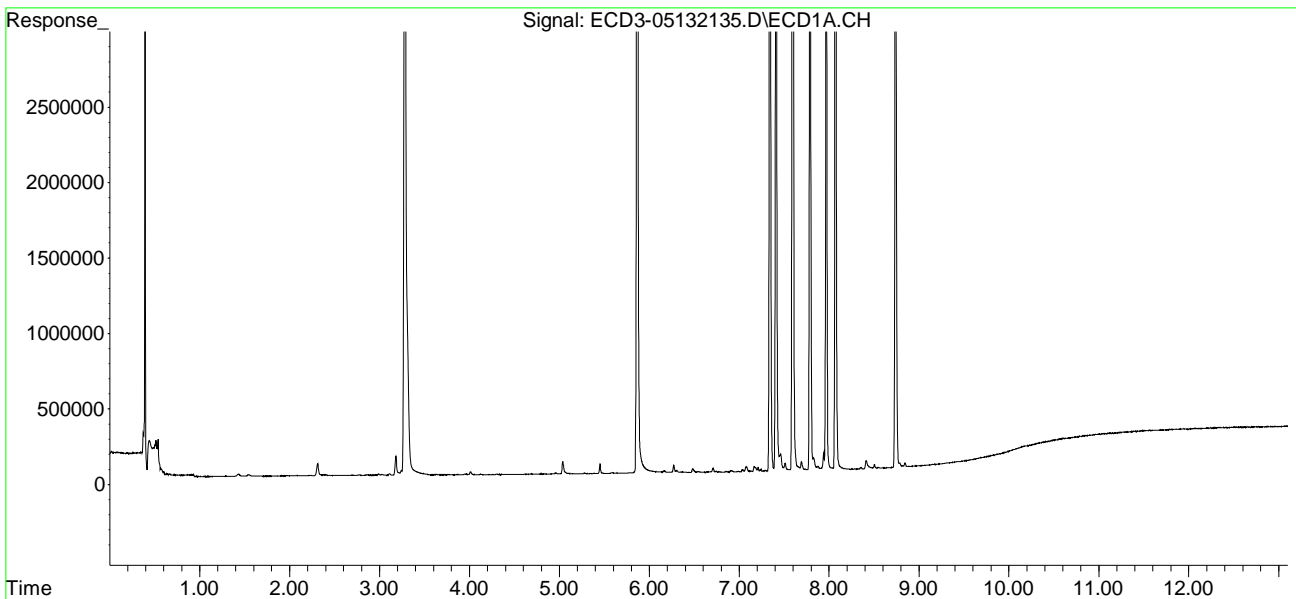
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	9110847	5299835	49.774	50.001
31)	Mirex	8.738	9.472	5345808	3049951	48.551	48.924
32)	Chlordane...	7.510	7.933	46901	3549291	2.143	258.861 #
33)	Chlordane...	7.595	8.012f	8533264	5159251	385.187	437.068
34)	Chlordane...	0.000	8.718	0	28389	N.D.	8.488 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.595	8.304f	8533264	3054443	7478.212	2585.540 #
37)	Toxaphene...	7.876	0.000	22888	0	12.953	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.409f	8.718	54036	28389	13.129	1.952 #
40)	Toxaphene...	0.000	8.910	0	5440	N.D.	2.832 #
41)	Toxaphene...	8.738	0.000	5345808	0	1626.929	N.D. #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 19:22
Operator : MJB
Sample : 1E13026-CALG
Misc : A21C331, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:18:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132136.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:39
 Operator : MJB
 Sample : 1E13026-CALH
 Misc : A21C332, 9-42 100 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: May 14 12:18:28 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.451f	5.865f	118292	72614	0.682	0.709
22) S DCBP (S)	9.682	0.000	3016	0	0.023	N.D. #
Target Compounds						
2) a-BHC	6.030	0.000	11512	0	0.049	N.D. #
3) g-BHC	6.304	0.000	26799	0	0.132	N.D. #
4) b-BHC	6.360f	6.812	5884	16704	0.065	0.298 #
5) Heptachlor	6.709	7.107	55225	35170	0.292	0.310
6) d-BHC	6.548	7.051	11988	9233	0.065	0.083
7) Aldrin	6.989f	7.353	7393	16821	0.035	0.134 #
8) Heptachlo...	7.409	7.843f	11882473	191415	64.416	1.749 #
9) trans-Chl...	7.509	7.932	97185	7216600	0.504	63.804 #
10) cis-Chlor...	7.595	8.011f	17747747	10265495	97.573	93.384
11) Endosulfa...	7.691	8.116	122198	71442	0.713	0.713
12) 4,4'-DDE	7.655	8.187f	37603	6839	0.198	0.062 #
13) Dieldrin	7.876	8.302	42071	6214250	0.220	55.886 #
14) Endrin	8.033	8.523	23239	5372929	0.160	63.942 #
15) 4,4'-DDD	8.071	8.568	18760062	10723786	129.911	126.866
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.502	8.909	47232	10094	BelowCal	BelowCal
19) Endosulfa...	8.783f	0.000	50788	0	0.380	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.471	0	6116364	N.D.	74.231 #
23) Hexachlor...	3.281	3.546	14810531	10374178	89.632	90.215
24) Hexachlor...	5.865	6.290	17136163	10268550	100.182	102.834
25) Oxychlorane	7.341	7.736	14803141	8654133	99.360	98.412
26) 2,4'-DDE	7.409	7.932	11882473	7216600	100.230	100.755
27) trans-Non...	7.595	8.011	17747747	10265495	99.749	99.466
28) 2,4'-DDD	7.786	8.302	10131799	6214250	98.496	100.539
29) 2,4'-DDT	7.967	8.523	8916550	5372929	101.292	103.253

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132136.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:39
 Operator : MJB
 Sample : 1E13026-CALH
 Misc : A21C332, 9-42 100 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: May 14 12:18:28 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

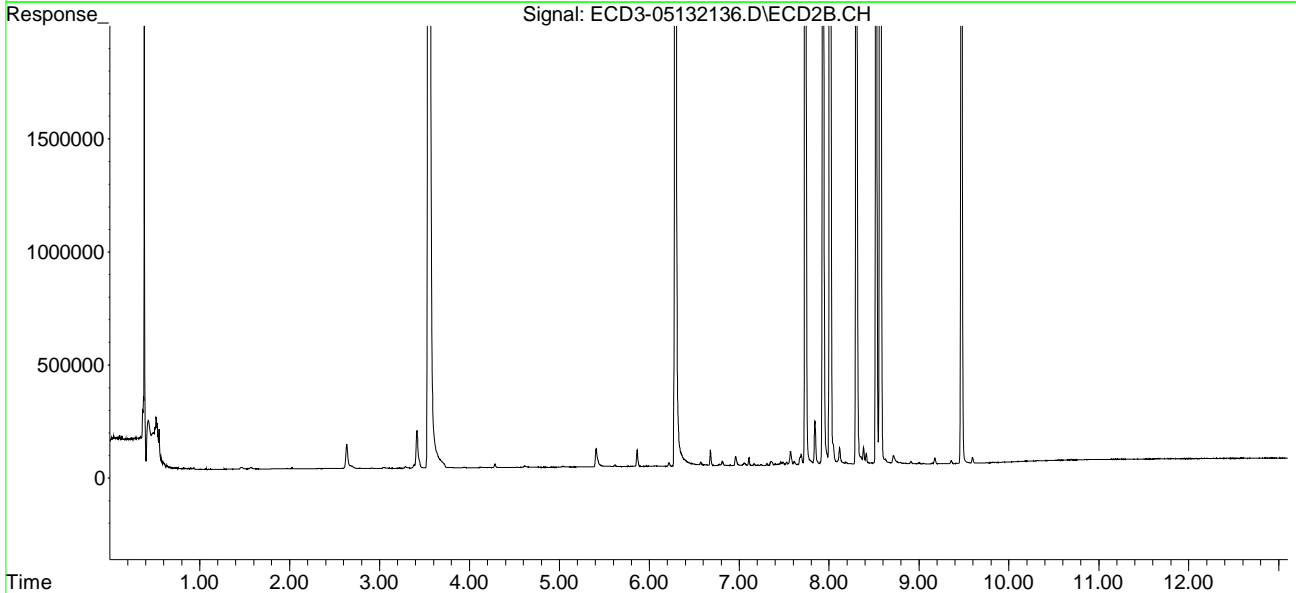
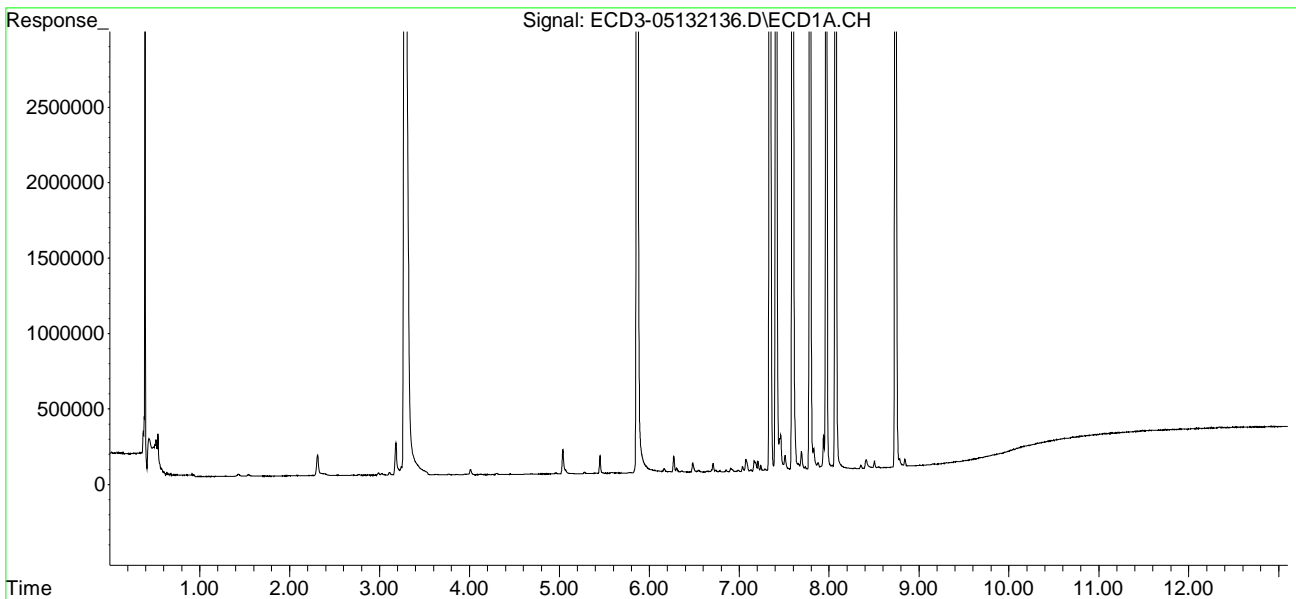
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	18760062	10723786	100.865	101.046
31)	Mirex	8.738	9.471	10985126	6116364	99.315	98.637
32)	Chlordane...	7.509	7.932	97185	7216600	4.440	526.330 #
33)	Chlordane...	7.595	8.011f	17747747	10265495	801.124	869.646
34)	Chlordane...	0.000	8.714	0	32262	N.D.	9.646 #
35)	Chlordane...	3.770f	0.000	4352	0	NoCal	N.D.
36)	Toxaphene...	7.595	8.302f	17747747	6214250	13126.825	5260.268 #
37)	Toxaphene...	7.876	0.000	42071	0	23.808	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.409f	8.714	57537	32262	14.238	3.287 #
40)	Toxaphene...	0.000	8.909	0	10094	N.D.	5.255 #
41)	Toxaphene...	8.738	0.000	10985126	0	2936.906	N.D. #
42)	Toxaphene...	3.770f	0.000	4352	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 19:39
Operator : MJB
Sample : 1E13026-CALH
Misc : A21C332, 9-42 100 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: May 14 12:18:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132137.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:57
 Operator : MJB
 Sample : 1E13026-CALI
 Misc : A21C325, 9-42 200 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: May 14 12:18:38 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.451f	5.864f	226150	136802	1.304	1.336
22) S DCBP (S)	9.680	10.320	5772	2935	0.044	5536.534 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.305	0.000	49346	0	0.243	N.D. #
4) b-BHC	6.360f	6.812	9824	32329	0.108	0.576 #
5) Heptachlor	6.709	7.107	98420	58800	0.520	0.518
6) d-BHC	6.547	7.052	21976	15071	0.119	0.136
7) Aldrin	6.988f	7.351	16025	26965	0.076	0.215 #
8) Heptachlo...	7.408	7.842f	24171006	330770	131.033	3.022 #
9) trans-Chl...	7.508	7.932	170518	14522255	0.885	128.395 #
10) cis-Chlor...	7.594	8.042	36970269	158812	197.545	1.445 #
11) Endosulfa...	7.690	8.115	173611	105052	1.012	1.048
12) 4,4'-DDE	7.658	8.185f	52853	14534	0.278	0.132 #
13) Dieldrin	7.875	8.302	69243	12829911	0.362	115.383 #
14) Endrin	8.031	8.524	29414	10987852	0.203	130.765 #
15) 4,4'-DDD	8.070	8.568	38450792	21265677	266.267	251.581
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	8.283	8.790	8900	7495	0.079	0.118 #
18) Endrin Al...	8.501	8.909	64776	19350	BelowCal	BelowCal
19) Endosulfa...	8.783f	0.000	87362	0	0.653	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.470	0	12584434	N.D.	152.730 #
23) Hexachlor...	3.282	3.547	33235848	21688268	213.457	215.951
24) Hexachlor...	5.865	6.289	35457986	19875693	201.621	197.708
25) Oxychlorane	7.341	7.735	30365968	17786633	201.286	201.101
26) 2,4'-DDE	7.408	7.932	24171006	14522255	201.135	199.921
27) trans-Non...	7.594	8.010	36970269	20815026	201.464	200.778
28) 2,4'-DDD	7.786	8.302	21680589	12829911	201.626	199.185
29) 2,4'-DDT	7.966	8.524	18827165	10987852	196.784	195.099

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132137.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:57
 Operator : MJB
 Sample : 1E13026-CALI
 Misc : A21C325, 9-42 200 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: May 14 12:18:38 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

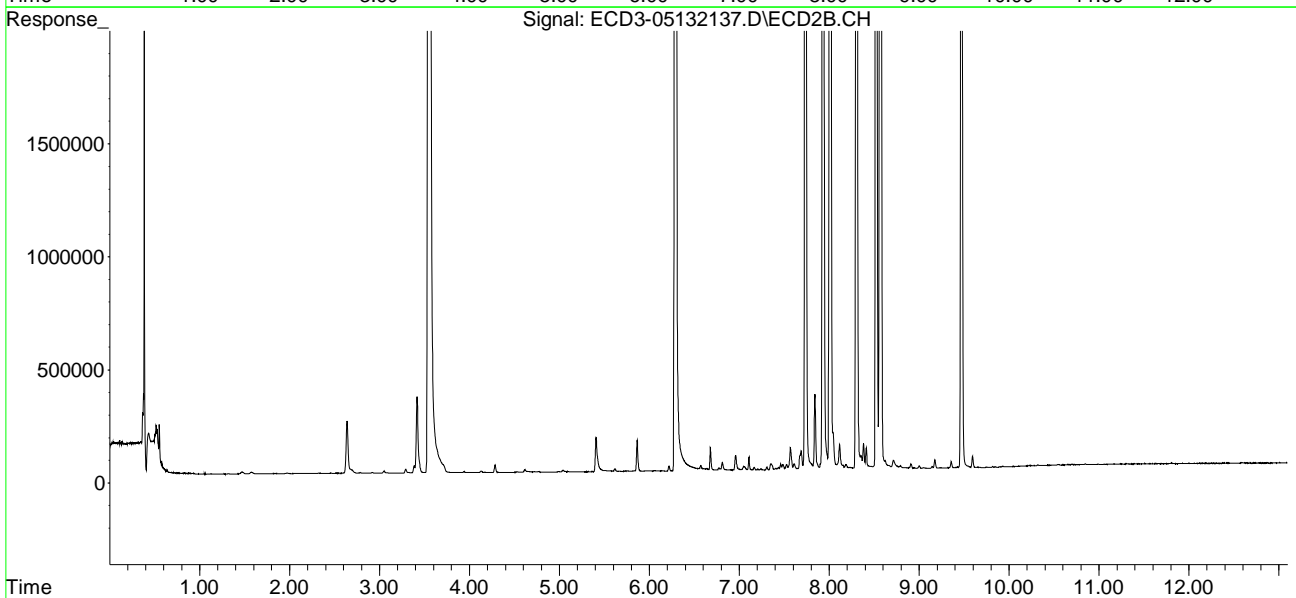
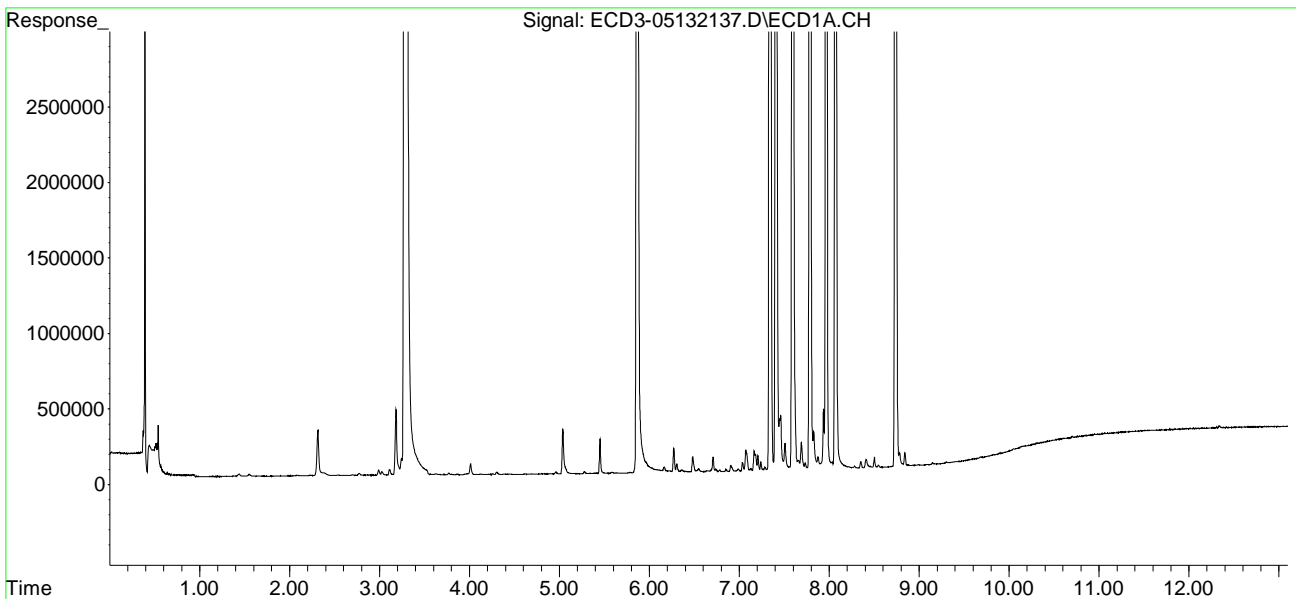
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.568	38450792	21265677	199.599	198.807
31)	Mirex	8.737	9.470	22827651	12584434	202.729	203.273
32)	Chlordane...	7.508	7.932	170518	14522255	7.790	1059.155 #
33)	Chlordane...	7.594	8.042	36970269	158812	1668.819	13.454 #
34)	Chlordane...	0.000	8.715	0	33076	N.D.	9.889 #
35)	Chlordane...	3.770f	0.000	8741	0	NoCal	N.D.
36)	Toxaphene...	7.594	8.302f	36970269	12829911	21975.739	10860.324 #
37)	Toxaphene...	7.875	0.000	69243	0	39.185	N.D. #
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39)	Toxaphene...	8.409f	8.715	54624	33076	13.316	3.567 #
40)	Toxaphene...	0.000	8.909	0	19350	N.D.	10.073 #
41)	Toxaphene...	8.737	0.000	22827651	0	5089.289	N.D. #
42)	Toxaphene...	3.770f	0.000	8741	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 19:57
Operator : MJB
Sample : 1E13026-CALI
Misc : A21C325, 9-42 200 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: May 14 12:18:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132140.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:49
 Operator : MJB
 Sample : 1E13026-CALJ
 Misc : A21E234, CHLOR 10 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: May 14 12:19:08 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.864f	0	8373	N.D.	0.082 #
22) S DCBP (S)	9.701f	0.000	1374	0	0.011	N.D. #
Target Compounds						
2) a-BHC	0.000	6.451f	0	4108	N.D.	0.028 #
3) g-BHC	6.272f	0.000	12265	0	0.060	N.D. #
4) b-BHC	0.000	6.838f	0	4960	N.D.	0.088 #
5) Heptachlor	6.709	7.107	103085	62977	0.545	0.555
6) d-BHC	6.577f	0.000	5866	0	0.032	N.D. #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.423	7.774f	17577	31426	0.095	0.287 #
9) trans-Chl...	7.512	7.945	233479	145199	1.212	1.284
10) cis-Chlor...	7.607	8.051	240918	131575	1.133	1.197
11) Endosulfa...	7.727	0.000	7382	0	0.043	N.D. #
12) 4,4'-DDE	7.666	0.000	12708	0	0.067	N.D. #
13) Dieldrin	7.893	8.303	6560	5725	0.034	0.051 #
14) Endrin	8.071f	0.000	44873	0	0.309	N.D. #
15) 4,4'-DDD	8.071	8.568	44873	29887	0.311	0.354
16) Endosulfa...	8.210	8.704f	3616	38161	0.025	0.434 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.511	8.930f	2480	7162	BelowCal	BelowCal
19) Endosulfa...	8.807	0.000	3336	0	0.025	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.010	9.513f	1413	2785	0.009	0.034 #
23) Hexachlor...	0.000	3.562	0	4054	N.D.	1092.564 #
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.372f	7.774f	49791	31426	BelowCal	BelowCal
26) 2,4'-DDE	7.423	7.945	17577	145199	BelowCal	1.706
27) trans-Non...	7.607	8.012	240918	114651	1.028	0.699
28) 2,4'-DDD	7.789	8.303	6654	5725	BelowCal	BelowCal
29) 2,4'-DDT	7.940f	0.000	12828	0	BelowCal	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132140.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:49
 Operator : MJB
 Sample : 1E13026-CALJ
 Misc : A21E234, CHLOR 10 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: May 14 12:19:08 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

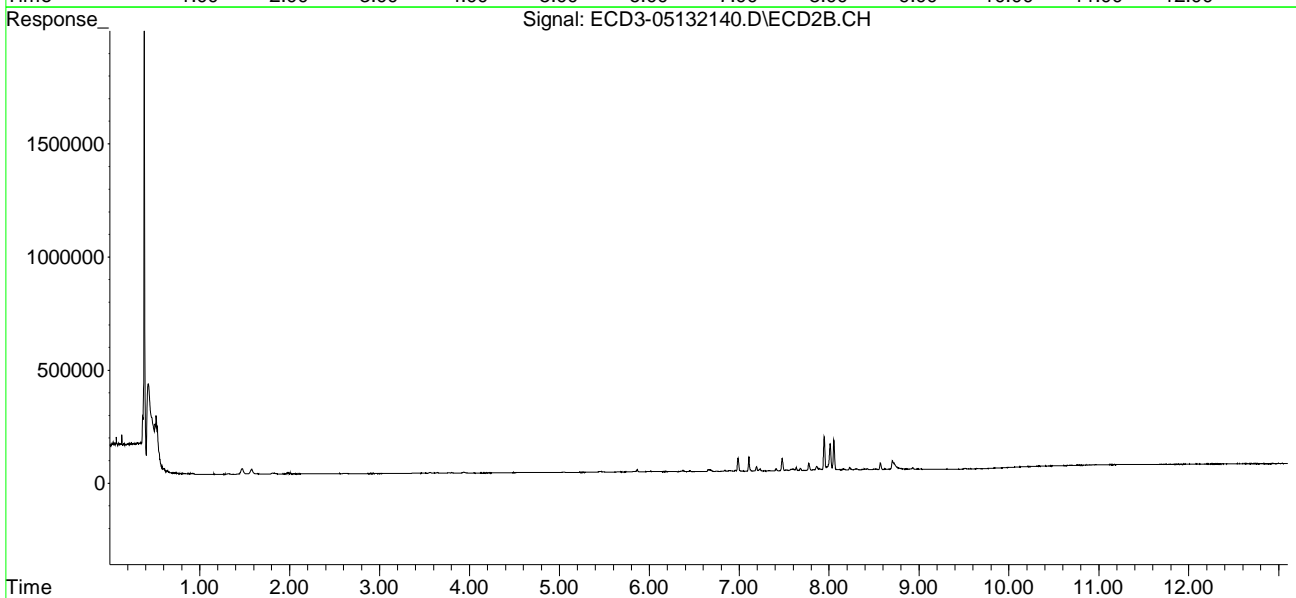
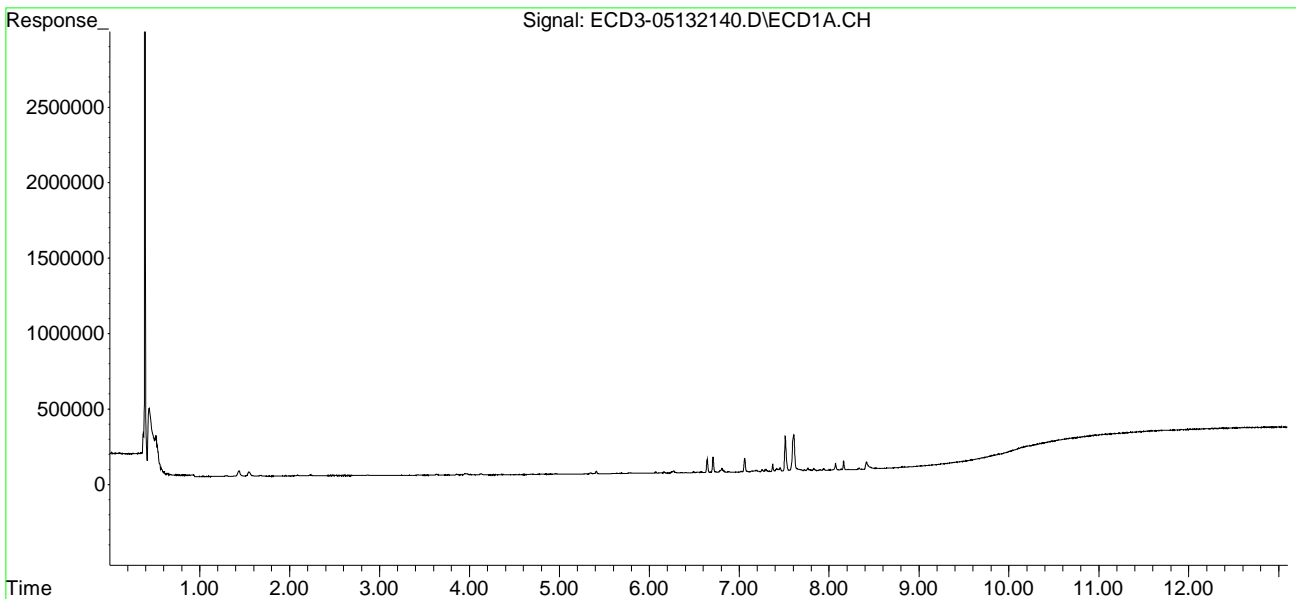
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	44873	29887	BelowCal	BelowCal
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.
32)	Chlordane...	7.512	7.945	233479	145199	10.667	10.590
33)	Chlordane...	7.607	8.051	240918	131575	10.875	11.146
34)	Chlordane...	8.161	8.704	61174	38161	10.736	11.410
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.607	8.303f	240918	5725	278.881	4.846 #
37)	Toxaphene...	7.893	8.622	6560	4177	3.713	6.279 #
38)	Toxaphene...	8.210	8.622f	3616	4177	2.381	3.863 #
39)	Toxaphene...	8.414f	8.704	46104	38161	10.616	5.320 #
40)	Toxaphene...	0.000	8.930f	0	7162	N.D.	3.728 #
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 20:49
Operator : MJB
Sample : 1E13026-CALJ
Misc : A21E234, CHLOR 10 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: May 14 12:19:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132141.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:06
 Operator : MJB
 Sample : 1E13026-CALK
 Misc : A20L139, CHLOR 50 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: May 14 12:19:18 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.864f	0	33233	N.D.	0.325 #
22) S DCBP (S)	0.000	10.312	0	1655	N.D.	5536.554 #
Target Compounds						
2) a-BHC	0.000	6.452f	0	19156	N.D.	0.133 #
3) g-BHC	0.000	6.747	0	7864	N.D.	0.063 #
4) b-BHC	6.403	6.837f	11173	21809	0.123	0.388 #
5) Heptachlor	6.708	7.106	417311	253422	2.206	2.234
6) d-BHC	6.554	0.000	13703	0	0.074	N.D. #
7) Aldrin	6.954	7.332f	6227	13091	0.029	0.104 #
8) Heptachlo...	7.422	7.821	75987	18747	0.412	0.171 #
9) trans-Chl...	7.511	7.943	1040034	666720	5.398	5.895
10) cis-Chlor...	7.606	8.050	1063697	578383	5.795	5.261
11) Endosulfa...	7.725	0.000	29351	0	0.171	N.D. #
12) 4,4'-DDE	7.667	8.150	36330	20596	0.191	0.187
13) Dieldrin	7.895	8.300	35437	29707	0.185	0.267 #
14) Endrin	8.070f	8.522	189032	14166	1.303	0.169 #
15) 4,4'-DDD	8.070	8.568	189032	125859	1.309	1.489
16) Endosulfa...	8.209	8.659	21162	13888	0.146	0.158
17) 4,4'-DDT	0.000	8.780	0	13385	N.D.	0.210 #
18) Endrin Al...	8.518	8.902	5271	6756	BelowCal	BelowCal
19) Endosulfa...	8.807	0.000	12518	0	0.094	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.009	9.481	5104	6138	0.034	0.074 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.840f	0.000	7437	0	BelowCal	N.D.
25) Oxychlorane	7.370f	7.719	219615	9543	1.094	BelowCal #
26) 2,4'-DDE	7.422	7.943	75987	666720	0.326	9.120 #
27) trans-Non...	7.606	8.011	1063697	486268	5.815	4.338
28) 2,4'-DDD	7.786	8.300	28796	29707	BelowCal	0.079
29) 2,4'-DDT	7.939f	8.522	61407	14166	0.321	BelowCal #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132141.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:06
 Operator : MJB
 Sample : 1E13026-CALK
 Misc : A20L139, CHLOR 50 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: May 14 12:19:18 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

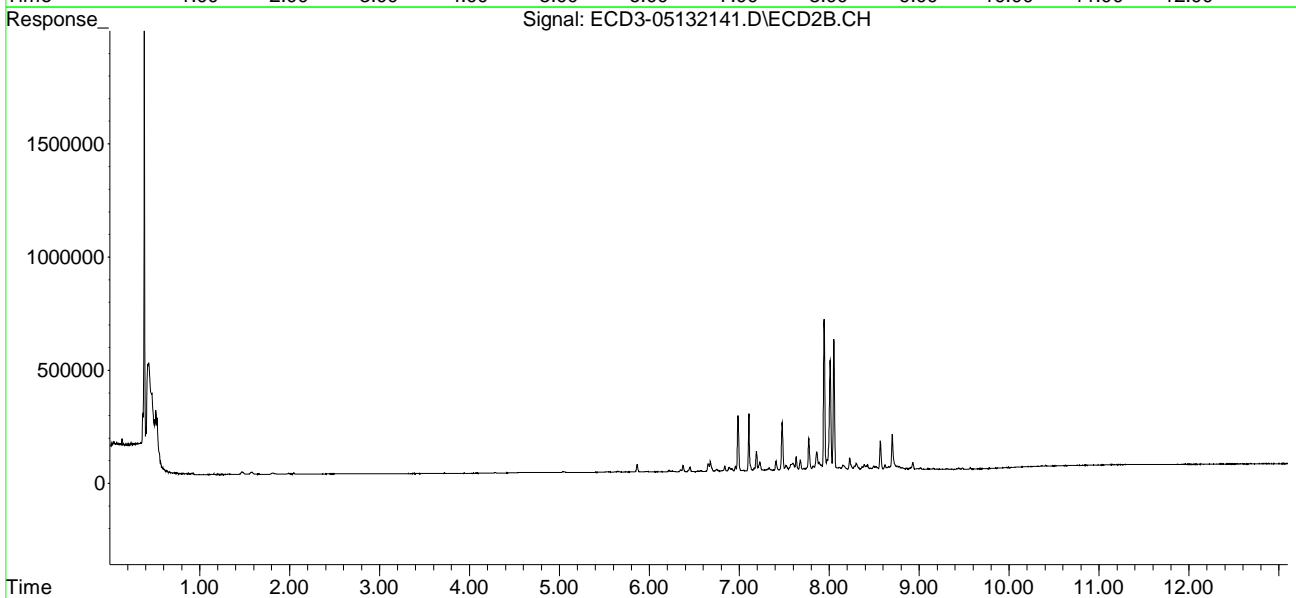
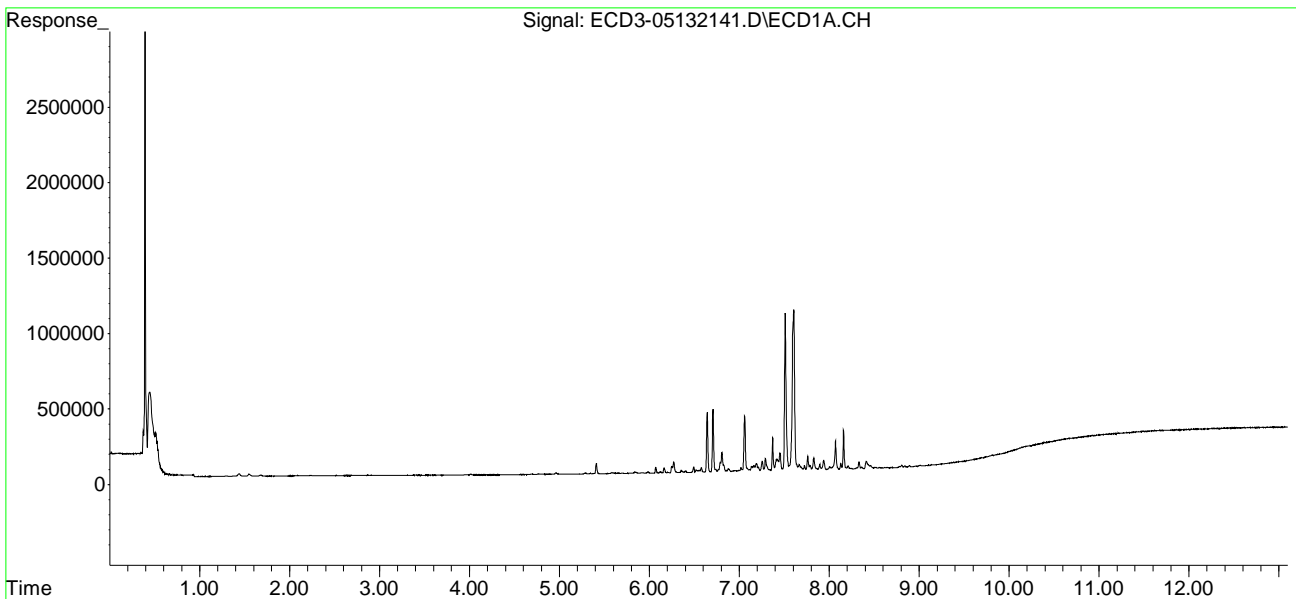
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.568	189032	125859	0.699	0.816
31)	Mirex	0.000	9.481	0	6138	N.D.	BelowCal
32)	Chlordane...	7.511	7.943	1040034	666720	47.516	48.626
33)	Chlordane...	7.606	8.050	1063697	578383	48.015	48.998
34)	Chlordane...	8.160	8.701	260571	156236	45.731	46.712
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.606	8.281	1063697	17165	1176.472	14.530 #
37)	Toxaphene...	7.895	8.622	35437	20786	20.054	18.967
38)	Toxaphene...	8.209	8.659	21162	13888	7.909	9.226
39)	Toxaphene...	8.460f	8.701	18131	156236	1.740	45.849 #
40)	Toxaphene...	0.000	8.902	0	6756	N.D.	3.517 #
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 21:06
Operator : MJB
Sample : 1E13026-CALK
Misc : A20L139, CHLOR 50 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: May 14 12:19:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132142.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:24
 Operator : MJB
 Sample : 1E13026-CALL
 Misc : A20L140, CHLOR 100 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: May 14 12:19:26 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.864f	0	64830	N.D.	0.633 #
22) S DCBP (S)	0.000	10.285f	0	2045	N.D.	5536.548 #
Target Compounds						
2) a-BHC	0.000	6.451f	0	35774	N.D.	0.248 #
3) g-BHC	6.272f	6.748	102139	16597	0.502	0.133 #
4) b-BHC	6.402	6.838f	23185	43982	0.256	0.783 #
5) Heptachlor	6.708	7.106	835015	503177	4.415	4.436
6) d-BHC	6.555	0.000	25952	0	0.141	N.D. #
7) Aldrin	6.960	7.408f	13697	77437	0.065	0.616 #
8) Heptachlo...	7.422	7.822	139776	32759	0.758	0.299 #
9) trans-Chl...	7.510	7.943	2033291	1297045	10.552	11.467
10) cis-Chlor...	7.605	8.050	2056319	1086959	11.401	9.888
11) Endosulfa...	7.725	8.114	56302	17126	0.328	0.171 #
12) 4,4'-DDE	7.668	8.150	60086	33704	0.316	0.305
13) Dieldrin	7.895	8.300	70781	54751	0.370	0.492
14) Endrin	8.070f	8.521	357627	22816	2.464	0.272 #
15) 4,4'-DDD	8.070	8.568	357627	221430	2.477	2.620
16) Endosulfa...	8.208	8.658	38912	20098	0.268	0.228
17) 4,4'-DDT	0.000	8.805	0	8786	N.D.	0.138 #
18) Endrin Al...	8.518	8.929f	9338	55824	BelowCal	0.210
19) Endosulfa...	8.805	9.115f	19347	5112	0.145	0.071 #
20) Methoxychlor	8.619	0.000	6180	0	0.109	N.D. #
21) Endrin Ke...	8.991	9.483	1530	7916	0.010	0.096 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.845	6.258f	14105	4877	BelowCal	BelowCal
25) Oxychlorane	7.335	7.718	19048	15762	BelowCal	BelowCal
26) 2,4'-DDE	7.422	7.943	139776	1297045	0.874	18.057 #
27) trans-Non...	7.605	8.011	2056319	933218	11.570	8.712
28) 2,4'-DDD	7.786	8.300	58032	54751	0.223	0.505 #
29) 2,4'-DDT	7.980	8.521	14997	22816	BelowCal	0.056

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132142.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:24
 Operator : MJB
 Sample : 1E13026-CALL
 Misc : A20L140, CHLOR 100 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: May 14 12:19:26 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

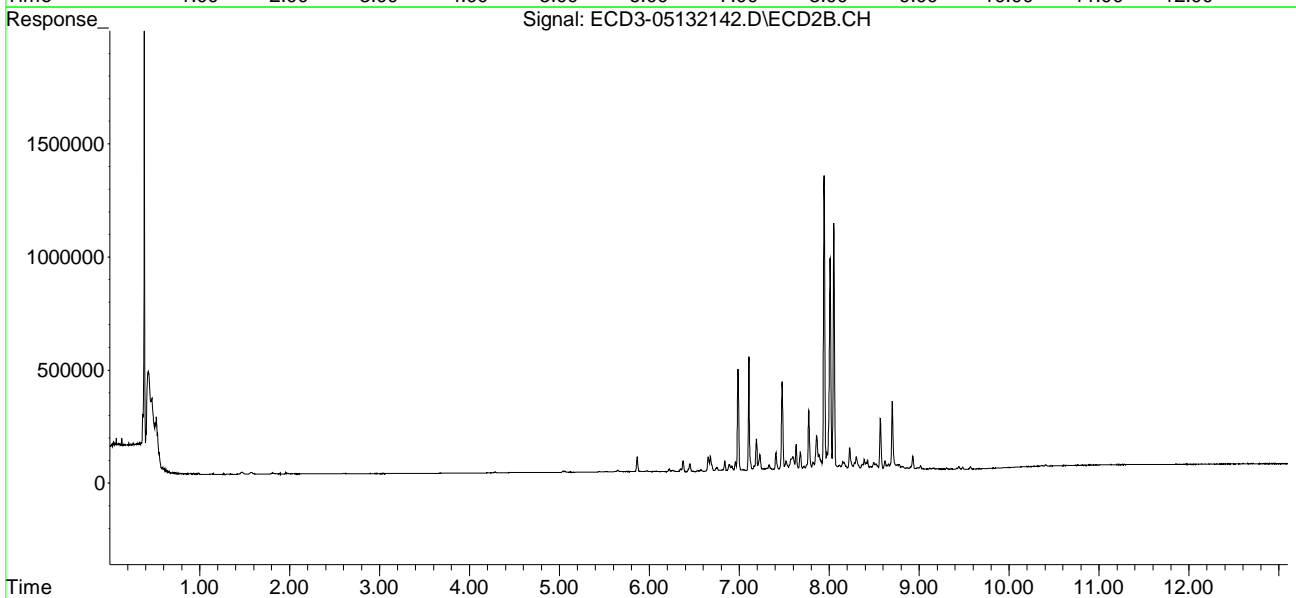
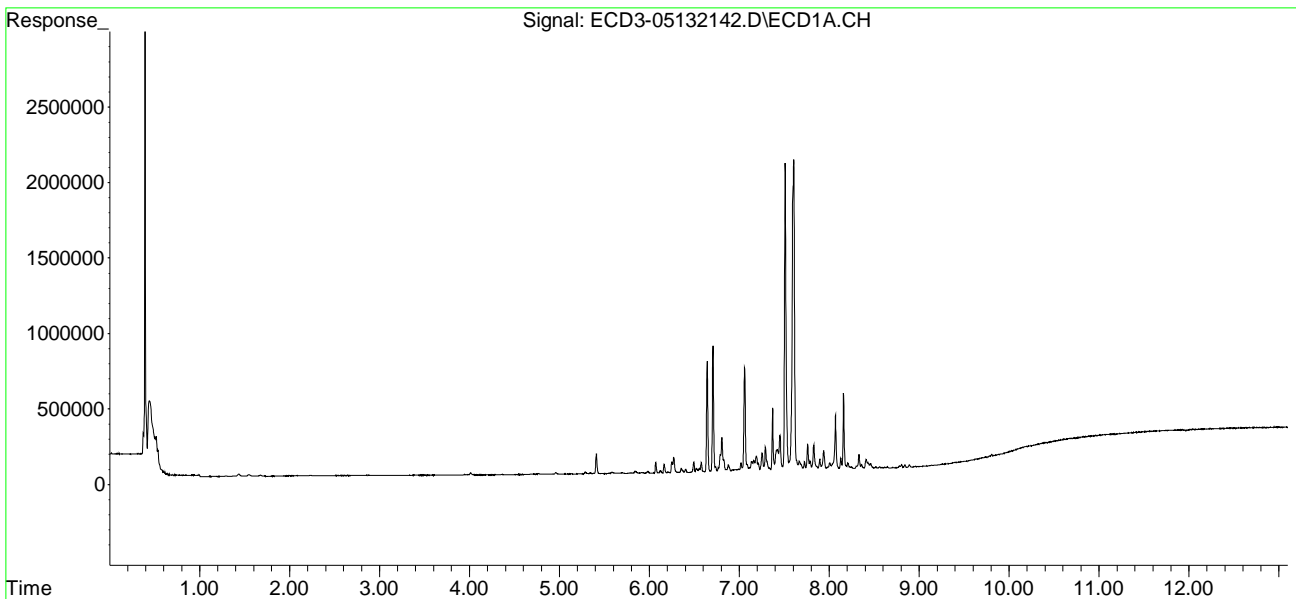
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.568	357627	221430	1.644	1.729
31)	Mirex	0.000	9.483	0	7916	N.D.	BelowCal
32)	Chlordane...	7.510	7.943	2033291	1297045	92.895	94.598
33)	Chlordane...	7.605	8.050	2056319	1086959	92.821	92.082
34)	Chlordane...	8.160	8.702	501152	297538	87.953	88.959
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.605	8.281	2056319	29542	2181.501	25.007 #
37)	Toxaphene...	7.895	8.620	70781	34473	40.055	29.409
38)	Toxaphene...	8.208	8.658	38912	20098	13.496	12.653
39)	Toxaphene...	8.430	8.702	37237	297538	7.804	93.934 #
40)	Toxaphene...	8.646f	8.929f	7353	55824	6.094	29.059 #
41)	Toxaphene...	0.000	9.308f	0	4449	N.D.	3.602 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 21:24
Operator : MJB
Sample : 1E13026-CALL
Misc : A20L140, CHLOR 100 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: May 14 12:19:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132143.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:41
 Operator : MJB
 Sample : 1E13026-CALM
 Misc : A20L141, CHLOR 200 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: May 14 12:19:35 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.864f	0	132629	N.D.	1.296 #
22) S DCBP (S)	9.693	10.284f	10734	2249	0.082	5536.544 #
Target Compounds						
2) a-BHC	0.000	6.451f	0	63788	N.D.	0.442 #
3) g-BHC	6.272f	6.747	165776	36310	0.815	0.292 #
4) b-BHC	6.402	6.837f	49698	89468	0.549	1.594 #
5) Heptachlor	6.709	7.106	1765610	1024313	9.334	9.030
6) d-BHC	6.555	7.046	55653	13096	0.301	0.118 #
7) Aldrin	6.960	7.381	29818	14347	0.141	0.114
8) Heptachlo...	7.423	7.821	295811	68653	1.604	0.627 #
9) trans-Chl...	7.510	7.943	4193353	2709738	21.763	23.957
10) cis-Chlor...	7.605	8.050	4274788	2301177	23.860	20.934
11) Endosulfa...	7.725	8.113	118579	39864	0.691	0.398 #
12) 4,4'-DDE	7.668	8.150	125551	73300	0.660	0.664
13) Dieldrin	7.895	8.299	145595	133448	0.760	1.200 #
14) Endrin	8.070f	8.521	709981	52088	4.892	0.620 #
15) 4,4'-DDD	8.070	8.567	709981	459414	4.917	5.435
16) Endosulfa...	8.208	8.658	84351	48937	0.580	0.556
17) 4,4'-DDT	8.250f	8.780	33845	41709	0.299	0.655 #
18) Endrin Al...	8.519	8.928f	17425	119826	BelowCal	1.186
19) Endosulfa...	8.805	9.116f	41845	10529	0.313	0.146 #
20) Methoxychlor	8.619	0.000	13276	0	0.234	N.D. #
21) Endrin Ke...	8.991	9.484	3657	18073	0.025	0.219 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.845	6.258f	23554	9463	BelowCal	BelowCal
25) Oxychlorane	7.336	7.719	42651	34274	BelowCal	BelowCal
26) 2,4'-DDE	7.423	7.943	295811	2709738	2.214	37.994 #
27) trans-Non...	7.605	8.010	4274788	1972092	24.351	18.868
28) 2,4'-DDD	7.786	8.299	122006	133448	0.877	1.842 #
29) 2,4'-DDT	7.939f	8.521	265239	52088	2.880	0.679 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132143.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:41
 Operator : MJB
 Sample : 1E13026-CALM
 Misc : A20L141, CHLOR 200 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: May 14 12:19:35 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

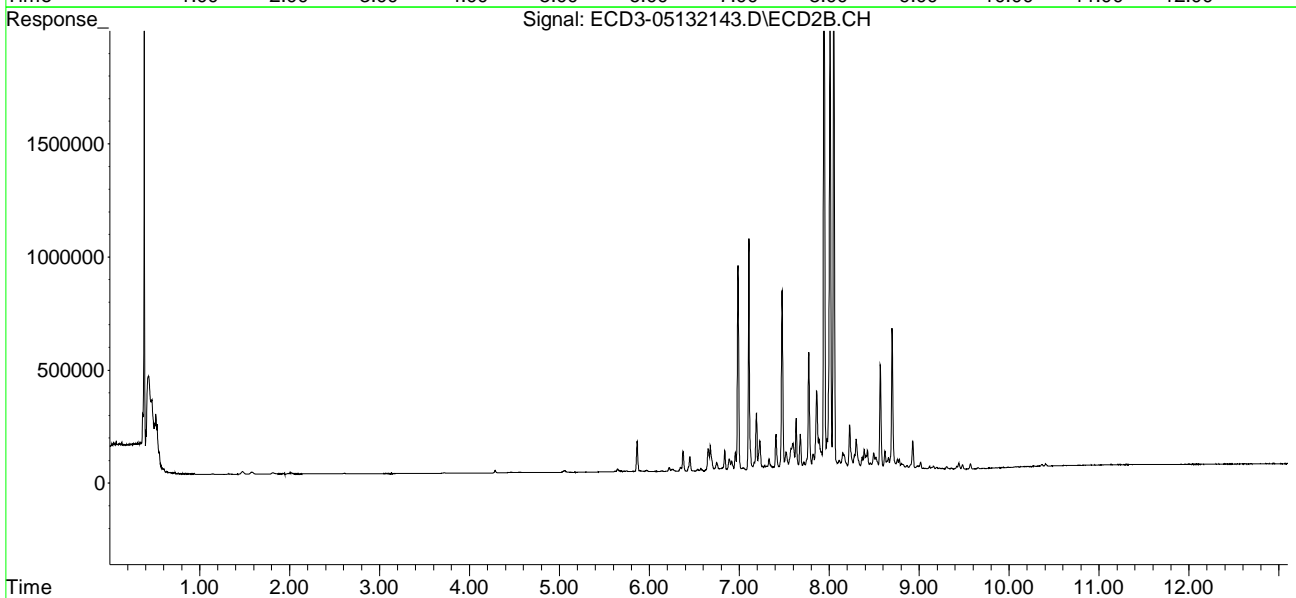
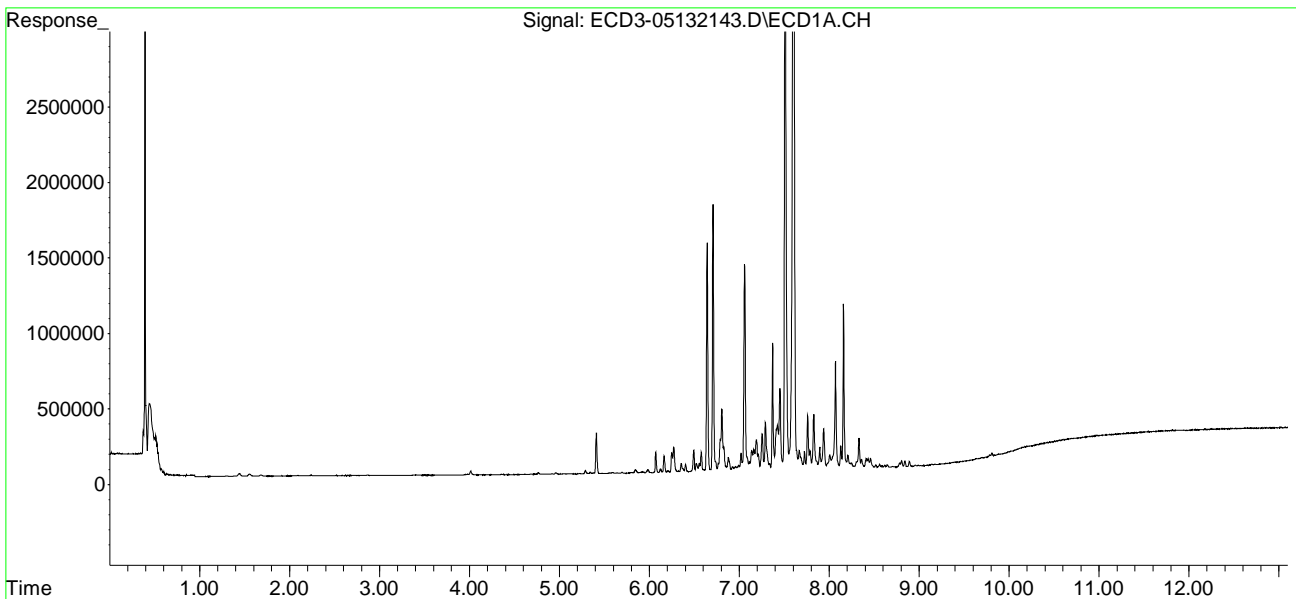
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.567	709981	459414	3.616	4.001
31)	Mirex	8.706f	9.484	3630	18073	BelowCal	BelowCal
32)	Chlordane...	7.510	7.943	4193353	2709738	191.582	197.630
33)	Chlordane...	7.605	8.050	4274788	2301177	192.962	194.945
34)	Chlordane...	8.160	8.701	1090779	621221	191.433	185.736
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.605	8.281	4274788	65304	4197.565	55.279 #
37)	Toxaphene...	7.895	8.621	145595	78005	82.393	62.536
38)	Toxaphene...	8.208	8.658	84351	48937	27.772	28.547
39)	Toxaphene...	8.432	8.701	59308	621221	14.799	202.443 #
40)	Toxaphene...	8.646f	8.928f	15933	119826	9.867	62.376 #
41)	Toxaphene...	8.706f	9.307f	3630	9591	3.479	6.658 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 21:41
Operator : MJB
Sample : 1E13026-CALM
Misc : A20L141, CHLOR 200 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: May 14 12:19:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132144.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:58
 Operator : MJB
 Sample : 1E13026-CALN
 Misc : A20L142, CHLOR 500 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:19:42 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	5.864f	0	327141	N.D.	3.196 #
22) S DCBP (S)	9.694	10.286f	25608	3942	0.196	5536.519 #
Target Compounds						
2) a-BHC	6.018	6.451f	7941	142506	0.034	0.987 #
3) g-BHC	6.323	6.748	19642	86526	0.097	0.695 #
4) b-BHC	6.403	6.837f	118506	208971	1.308	3.722 #
5) Heptachlor	6.709	7.106	4311736	2624192	22.795	23.135
6) d-BHC	6.555	7.046	136116	32515	0.737	0.293 #
7) Aldrin	6.960	7.378	79966	39046	0.377	0.311
8) Heptachlo...	7.423	7.822	720811	175362	3.908	1.602 #
9) trans-Chl...	7.510	7.943	11004161	6873070	57.109	60.766
10) cis-Chlor...	7.605	8.050	10942331	5955628	60.746	54.178
11) Endosulfa...	7.725	8.114	297195	107388	1.733	1.071
12) 4,4'-DDE	7.667	8.150	300005	178875	1.578	1.621
13) Dieldrin	7.895	8.300	359338	373166	1.877	3.356 #
14) Endrin	8.070f	8.521	1796044	132779	12.376	1.580 #
15) 4,4'-DDD	8.070	8.568	1796044	1167660	12.437	13.814
16) Endosulfa...	8.208	8.658	218712	125320	1.504	1.424
17) 4,4'-DDT	8.250f	8.805	96180	61293	0.849	0.962
18) Endrin Al...	8.519	8.928f	46692	289530	BelowCal	3.770
19) Endosulfa...	8.805	9.116f	102451	30777	0.766	0.427 #
20) Methoxychlor	8.618	9.225f	38775	13101	0.682	0.373 #
21) Endrin Ke...	9.014	9.484	5443	46317	0.037	0.562 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.845	6.258f	55638	23329	0.137	0.047 #
25) Oxychlorane	7.336	7.718	111158	86564	0.353	0.583 #
26) 2,4'-DDE	7.423	7.943	720811	6873070	5.862	96.015 #
27) trans-Non...	7.605	8.010	10942331	4941653	62.126	47.826
28) 2,4'-DDD	7.786	8.300	304266	373166	2.736	5.906 #
29) 2,4'-DDT	7.982	8.521	103208	132779	0.847	2.393 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132144.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:58
 Operator : MJB
 Sample : 1E13026-CALN
 Misc : A20L142, CHLOR 500 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:19:42 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

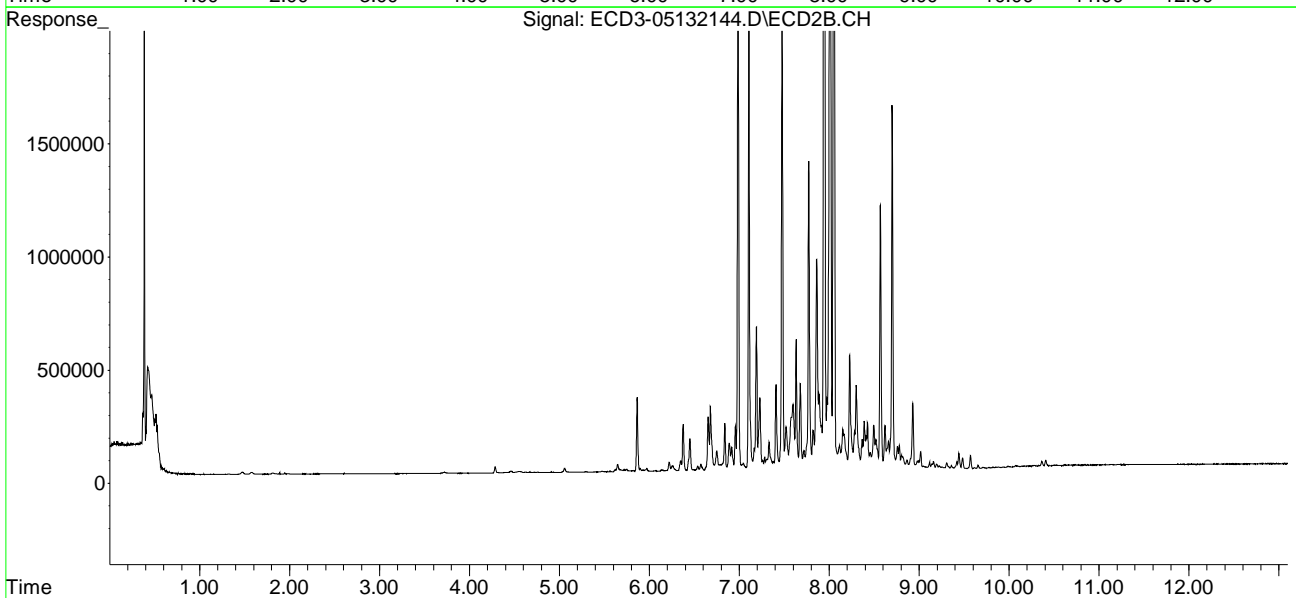
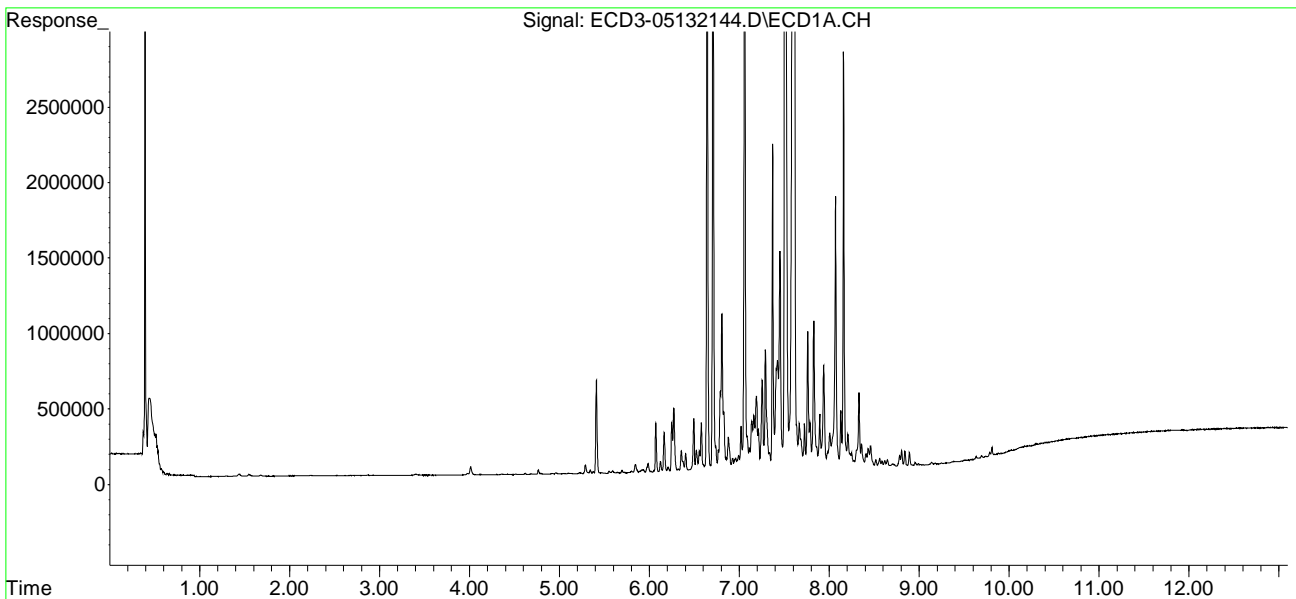
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.568	1796044	1167660	9.678	10.759
31)	Mirex	8.724	9.484	9708	46317	BelowCal	0.163
32)	Chlordane...	7.510	7.943	11004161	6873070	502.748	501.275
33)	Chlordane...	7.605	8.050	10942331	5955628	493.931	504.534
34)	Chlordane...	8.160	8.701	2753614	1608325	483.263	480.864
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.605	8.281	10942331	167986	9104.660	142.197 #
37)	Toxaphene...	7.895	8.621	359338	195063	203.352	150.993
38)	Toxaphene...	8.208	8.658	218712	125320	69.777	70.471
39)	Toxaphene...	8.434	8.701	120550	1608325	34.149	520.433 #
40)	Toxaphene...	8.646f	8.928f	44273	289530	22.300	150.716 #
41)	Toxaphene...	8.724	9.308f	9708	26817	5.706	16.881 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 21:58
Operator : MJB
Sample : 1E13026-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:19:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132145.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:16
 Operator : MJB
 Sample : 1E13026-CALO
 Misc : A20L143, CHLOR 1000 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: May 14 12:19:49 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.477	5.864f	8694	712969	0.050	6.965 #
22) S DCBP (S)	9.694	10.284f	36010	7087	0.276	5536.471 #
Target Compounds						
2) a-BHC	6.018	6.451f	16046	277269	0.068	1.920 #
3) g-BHC	6.323	6.748	37770	176568	0.186	1.419 #
4) b-BHC	6.403	6.787	252921	49727	2.792	0.886 #
5) Heptachlor	6.709	7.106	9451418	5692644	49.968	50.187
6) d-BHC	6.556	7.046	277066	62381	1.501	0.563 #
7) Aldrin	6.961	7.379	159083	76414	0.750	0.608
8) Heptachlo...	7.423	7.821	1490518	355885	8.080	3.251 #
9) trans-Chl...	7.510	7.943	23068432	14416341	119.720	127.458
10) cis-Chlor...	7.605	8.050	22961646	12172763	125.259	110.734
11) Endosulfa...	7.724	8.113	611799	215398	3.567	2.149
12) 4,4'-DDE	7.668	8.149	622138	362816	3.272	3.288
13) Dieldrin	7.894	8.299	747797	898569	3.906	8.081 #
14) Endrin	8.070f	8.520	3844977	273863	26.496	3.259 #
15) 4,4'-DDD	8.070	8.567	3844977	2481654	26.626	29.359
16) Endosulfa...	8.208	8.657	468078	263525	3.219	2.995
17) 4,4'-DDT	8.276	8.780	106903	218478	0.943	3.430 #
18) Endrin Al...	8.519	8.928f	105307	615925	0.301	8.725 #
19) Endosulfa...	8.805	9.115f	212651	62926	1.590	0.872 #
20) Methoxychlor	8.618	9.254	94641	15286	1.665	0.435 #
21) Endrin Ke...	9.015	9.484	11225	100549	0.075	1.220 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.845	6.258f	69003	39979	0.217	0.216
25) Oxychlorane	7.336	7.718	227319	168386	1.147	1.524
26) 2,4'-DDE	7.423	7.943	1490518	14416341	12.457	198.505 #
27) trans-Non...	7.605	8.011	22961646	10410850	127.976	100.871
28) 2,4'-DDD	7.786	8.299	640148	898569	6.153	14.758 #
29) 2,4'-DDT	7.981	8.520	223872	273863	2.362	5.377 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132145.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:16
 Operator : MJB
 Sample : 1E13026-CALO
 Misc : A20L143, CHLOR 1000 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: May 14 12:19:49 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

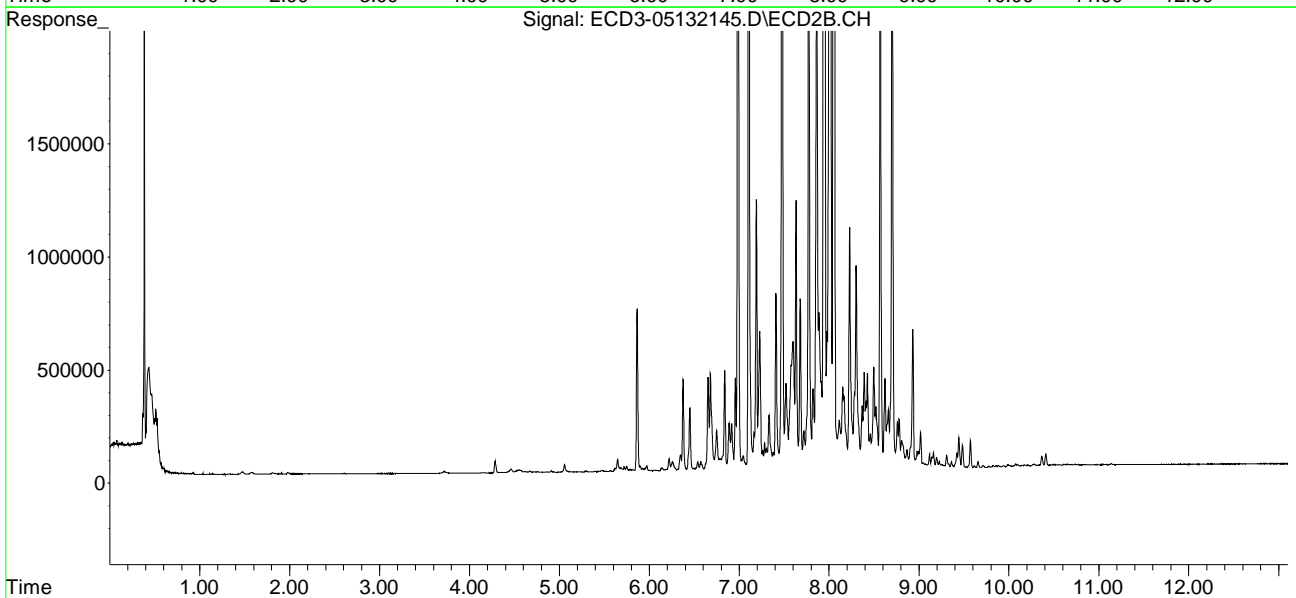
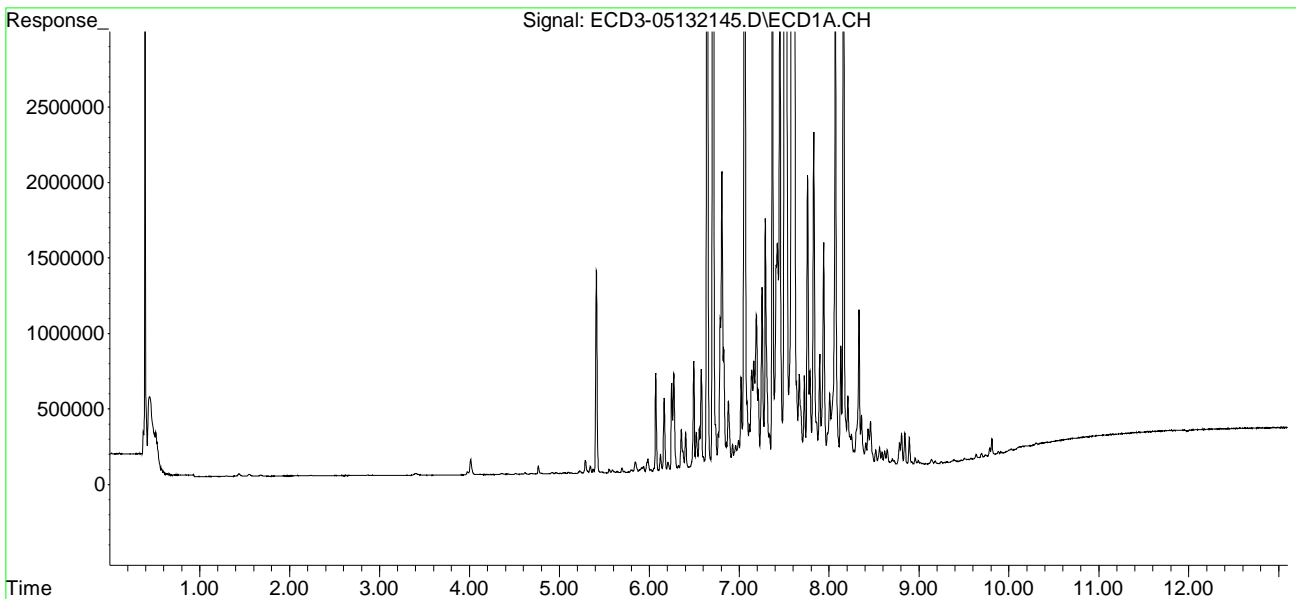
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.567	3844977	2481654	21.035	23.271
31)	Mirex	8.724	9.484	29849	100549	BelowCal	1.044
32)	Chlordane...	7.510	7.943	23068432	14416341	1053.928	1051.430
33)	Chlordane...	7.605	8.050	22961646	12172763	1036.477	1031.221
34)	Chlordane...	8.160	8.701	6115319	3518953	1073.247	1052.112
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.605	8.299f	22961646	898569	15811.279	760.625 #
37)	Toxaphene...	7.894	8.621	747797	398316	423.183	302.499
38)	Toxaphene...	8.208	8.657	468078	263525	146.919	145.700
39)	Toxaphene...	8.434	8.701	244916	3518953	73.178	1089.706 #
40)	Toxaphene...	8.646f	8.928f	101660	615925	47.340	320.622 #
41)	Toxaphene...	8.724	9.254	29849	15286	13.074	10.041
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 22:16
Operator : MJB
Sample : 1E13026-CALO
Misc : A20L143, CHLOR 1000 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: May 14 12:19:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132146.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:33
 Operator : MJB
 Sample : 1E13026-CALP
 Misc : A20L138, CHLOR 2000 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: May 14 12:19:57 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.477	5.864f	10112	1571632	0.058	15.354 #
22) S DCBP (S)	9.693	10.333	61585	8561	0.471	5536.448 #
Target Compounds						
2) a-BHC	6.017	6.450f	24976	501974	0.106	3.477 #
3) g-BHC	6.323	6.747	62415	333164	0.307	2.677 #
4) b-BHC	6.402	6.786	492822	85570	5.441	1.524 #
5) Heptachlor	6.708	7.106	19419223	11623749	102.665	102.477
6) d-BHC	6.555	7.045	543702	107316	2.945	0.968 #
7) Aldrin	6.960	7.377	288391	131825	1.359	1.049
8) Heptachlo...	7.422	7.820	2905534	673367	15.751	6.151 #
9) trans-Chl...	7.510	7.942	45382661	26884692	235.525	237.694
10) cis-Chlor...	7.605	8.049	45851418	22889780	241.910	208.226
11) Endosulfa...	7.724	8.112	1199957	428361	6.997	4.274
12) 4,4'-DDE	7.667	8.149	1212139	688017	6.375	6.235
13) Dieldrin	7.894	8.298	1435644	2084579	7.499	18.747 #
14) Endrin	8.069f	8.519	7522205	553102	51.835	6.582 #
15) 4,4'-DDD	8.069	8.567	7522205	4770112	52.090	56.432
16) Endosulfa...	8.207	8.656	947389	527389	6.516	5.995
17) 4,4'-DDT	8.277	8.805	217934	248291	1.923	3.898 #
18) Endrin Al...	8.518	8.927f	220268	1265033	1.384	18.518 #
19) Endosulfa...	8.804	9.115f	430997	129605	3.222	1.797 #
20) Methoxychlor	8.617	9.251	206527	33943	3.634	0.966 #
21) Endrin Ke...	9.014	9.483	27861	205736	0.187	2.497 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.844	6.258f	83889	62636	0.307	0.445 #
25) Oxychlorane	7.335	7.717	408986	308493	2.388	3.136
26) 2,4'-DDE	7.422	7.942	2905534	26884692	24.548	361.174 #
27) trans-Non...	7.605	8.010	45851418	19764886	246.431	190.753
28) 2,4'-DDD	7.785	8.298	1267826	2084579	12.510	34.478 #
29) 2,4'-DDT	7.938f	8.519	3127724	553102	37.499	11.229 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132146.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:33
 Operator : MJB
 Sample : 1E13026-CALP
 Misc : A20L138, CHLOR 2000 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: May 14 12:19:57 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

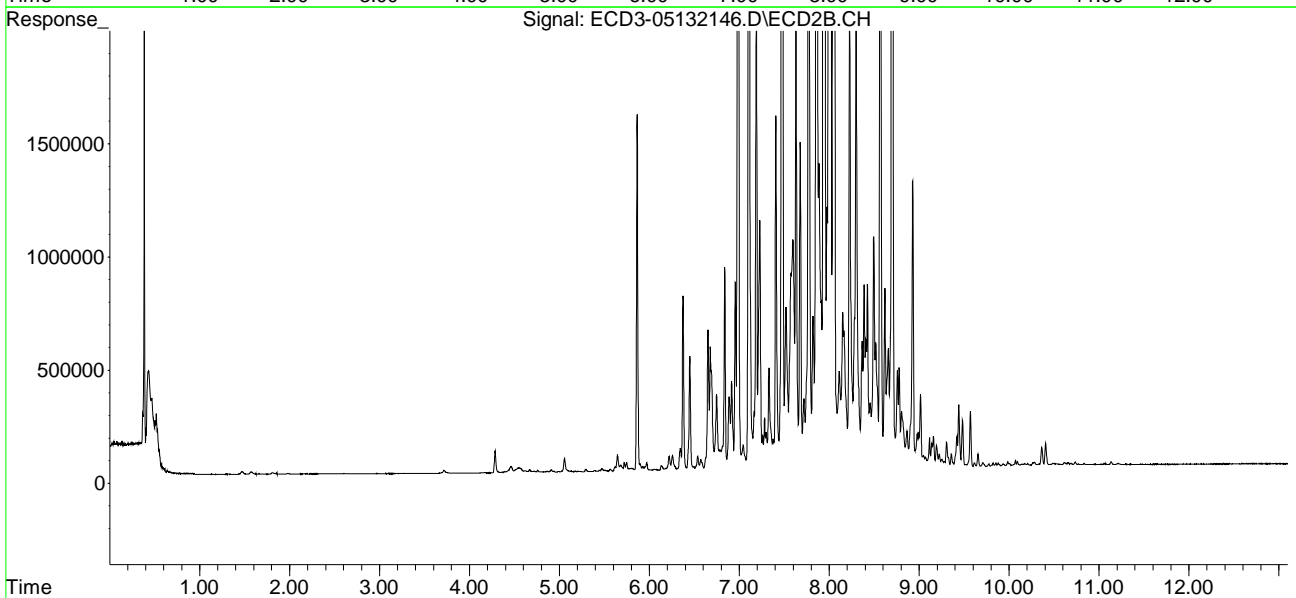
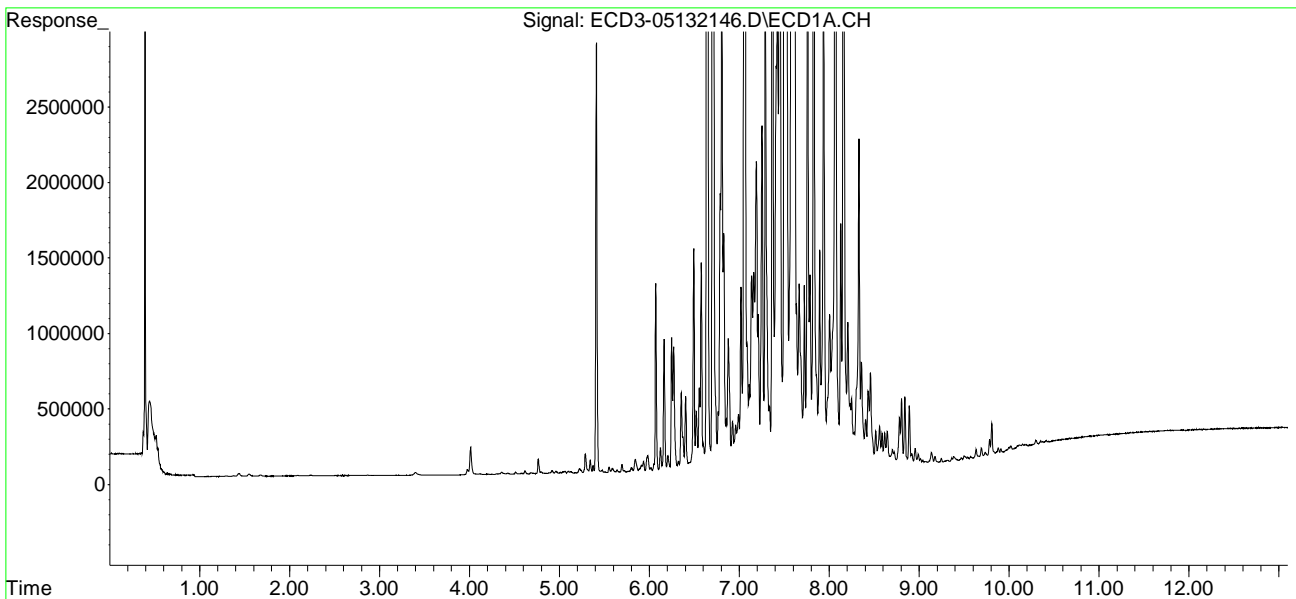
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.069	8.567	7522205	4770112	41.170	44.987
31)	Mirex	8.722	9.483	78664	205736	0.176	2.753 #
32)	Chlordane...	7.510	7.942	45382661	26884692	2073.400	1960.787
33)	Chlordane...	7.605	8.049	45851418	22889780	2069.709	1939.118
34)	Chlordane...	8.159	8.700	12937878	7309396	2270.615	2185.396
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.605	8.298f	45851418	2084579	25354.384	1764.565 #
37)	Toxaphene...	7.894	8.620	1435644	792066	812.439	588.906
38)	Toxaphene...	8.207	8.656	947389	527389	292.353	287.162
39)	Toxaphene...	8.433	8.700	487957	7309396	148.457	2086.857 #
40)	Toxaphene...	8.645f	8.927f	216497	1265033	96.917	658.519 #
41)	Toxaphene...	8.722	9.279	78664	24403	30.876	15.450 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132146.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 22:33
Operator : MJB
Sample : 1E13026-CALP
Misc : A20L138, CHLOR 2000 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: May 14 12:19:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132149.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:25
 Operator : MJB
 Sample : 1E13026-CALQ
 Misc : A21E235, TOX 10 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: May 14 12:20:42 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.686	0.000	1563	0	0.012	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	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...	7.608	8.034	4253	6934	BelowCal	0.063
11) Endosulfa...	7.714	8.111	7677	3349	0.045	0.033
12) 4,4'-DDE	7.639	8.170	16898	1375	0.089	0.012 #
13) Dieldrin	7.885	8.275f	16597	10584	0.087	0.095
14) Endrin	8.065	8.513	16829	4598	0.116	0.055 #
15) 4,4'-DDD	8.077	0.000	13537	0	0.094	N.D. #
16) Endosulfa...	8.201	8.655	27921	15232	0.192	0.173
17) 4,4'-DDT	8.287	8.783	24969	7406	0.220	0.116 #
18) Endrin Al...	8.488	8.901	19830	18118	BelowCal	BelowCal
19) Endosulfa...	8.784f	9.070f	4286	6651	0.032	0.092 #
20) Methoxychlor	8.594	9.270	11298	15218	0.199	0.433 #
21) Endrin Ke...	8.990	0.000	1917	0	0.013	N.D. #
23) Hexachlor...	0.000	3.561	0	3232	N.D.	1092.571 #
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.345	0.000	2747	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
27) trans-Non...	7.590	8.021	6278	6323	BelowCal	BelowCal
28) 2,4'-DDD	7.805	8.275f	8960	10584	BelowCal	BelowCal
29) 2,4'-DDT	7.949	8.513	14368	4598	BelowCal	BelowCal

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132149.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:25
 Operator : MJB
 Sample : 1E13026-CALQ
 Misc : A21E235, TOX 10 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: May 14 12:20:42 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

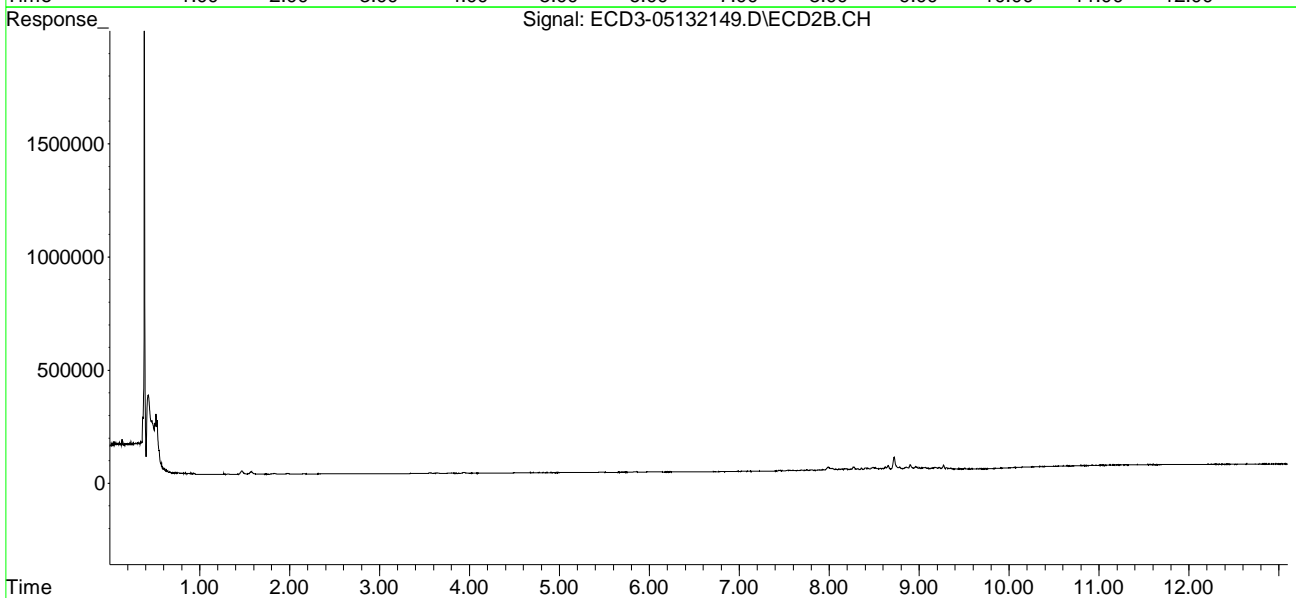
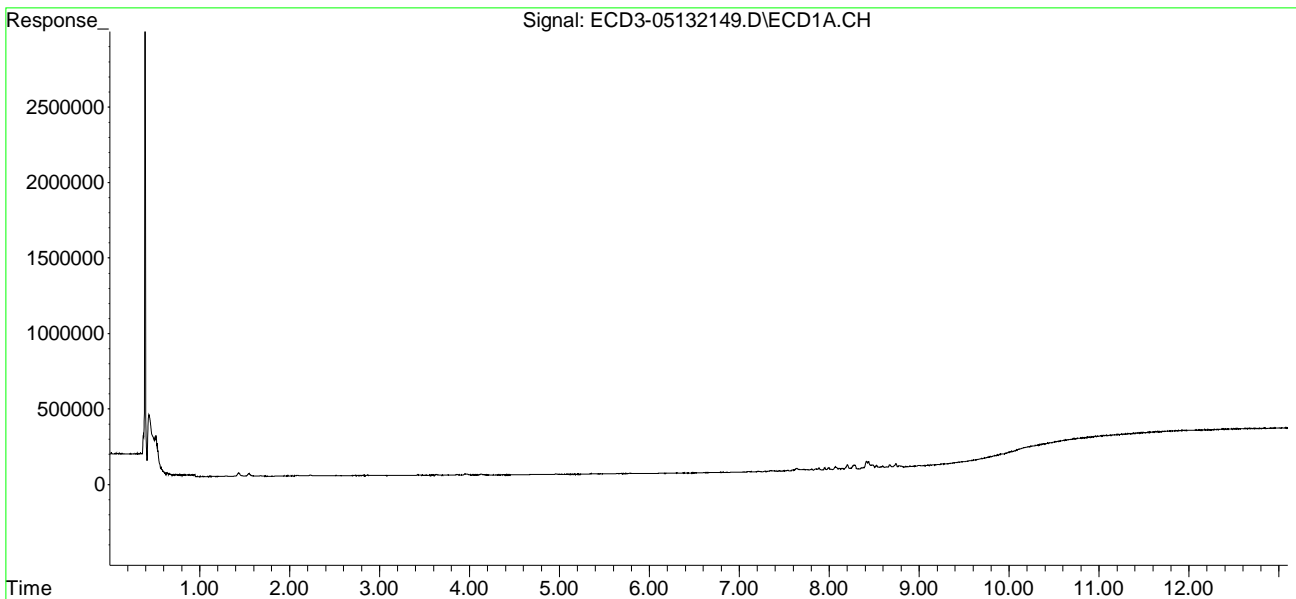
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.065	0.000	16829	0	BelowCal	N.D.
31)	Mirex	8.741	0.000	21433	0	BelowCal	N.D.
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
33)	Chlordane...	7.608	8.034	4253	6934	0.192	0.587 #
34)	Chlordane...	8.143	8.722f	6591	51887	1.157	15.513 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.590	8.275	6278	10584	10.146	8.959
37)	Toxaphene...	7.885	8.623	16597	9017	9.393	9.979
38)	Toxaphene...	8.201	8.655	27921	15232	10.037	9.968
39)	Toxaphene...	8.439	8.722	44362	51887	10.063	10.048
40)	Toxaphene...	8.671	8.901	16225	18118	9.995	9.431
41)	Toxaphene...	8.741	9.270	21433	15218	9.997	10.001
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 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: May 14 12:20:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132150.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:43
 Operator : MJB
 Sample : 1E13026-CALR
 Misc : A20K260, TOX 500 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:20:52 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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	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	6.911f	7.407f	7914	5685	0.037	0.045
8) Heptachlo...	7.423	7.801	9670	14313	0.052	0.131 #
9) trans-Chl...	7.496	7.924	24031	16899	0.125	0.149
10) cis-Chlor...	7.590	8.033	37601	24692	BelowCal	0.225
11) Endosulfa...	7.715	8.109	54124	24015	0.316	0.240
12) 4,4'-DDE	7.669	8.169	27607	28478	0.145	0.258 #
13) Dieldrin	7.885	8.315	88118	27786	0.460	0.250 #
14) Endrin	8.064	8.512	107217	42325	0.739	0.504
15) 4,4'-DDD	8.078	8.567	93055	27558	0.644	0.326 #
16) Endosulfa...	8.201	8.654	156255	91402	1.075	1.039
17) 4,4'-DDT	8.286	8.781	137855	36023	1.217	0.566 #
18) Endrin Al...	8.524f	8.900	89974	96396	0.157	0.829 #
19) Endosulfa...	8.804	9.092	48506	30154	0.363	0.418
20) Methoxychlor	8.595	9.269	78811	85572	1.387	2.436 #
21) Endrin Ke...	8.990	9.451f	30014	9082	0.201	0.110 #
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	7.344	7.749	29939	17021	BelowCal	BelowCal
26) 2,4'-DDE	7.423	7.924	9670	16899	BelowCal	BelowCal
27) trans-Non...	7.590	8.033f	37601	24692	BelowCal	BelowCal
28) 2,4'-DDD	7.786	8.315	29577	27786	BelowCal	0.046
29) 2,4'-DDT	7.949	8.512	83816	42325	0.603	0.471

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132150.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:43
 Operator : MJB
 Sample : 1E13026-CALR
 Misc : A20K260, TOX 500 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:20:52 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

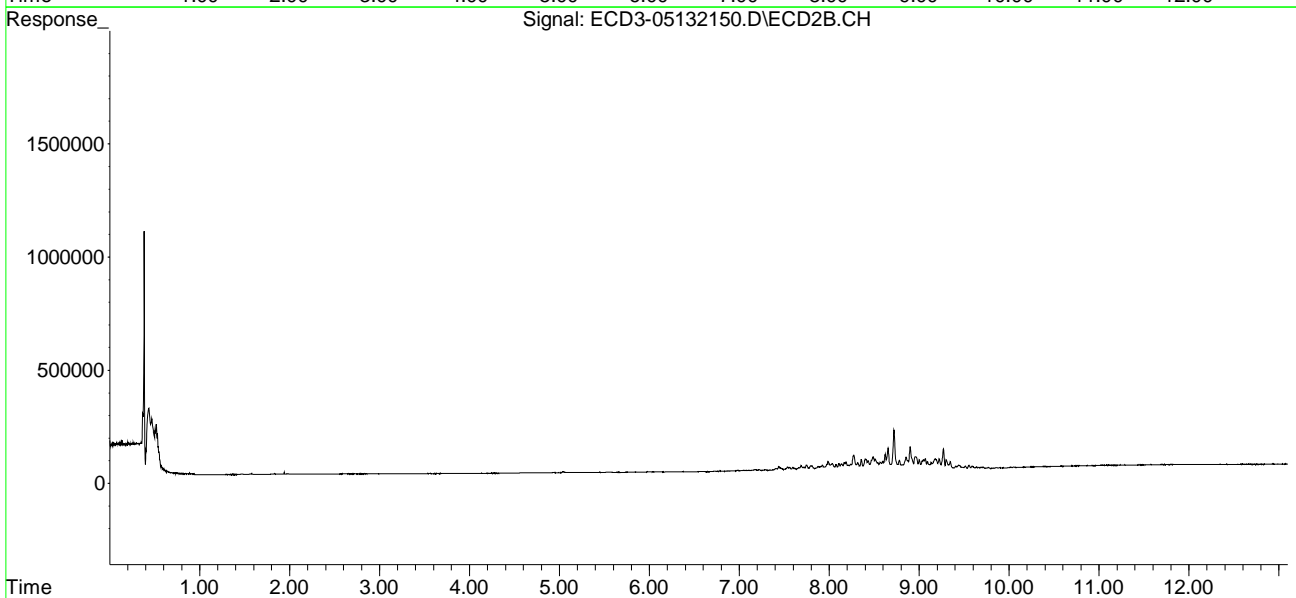
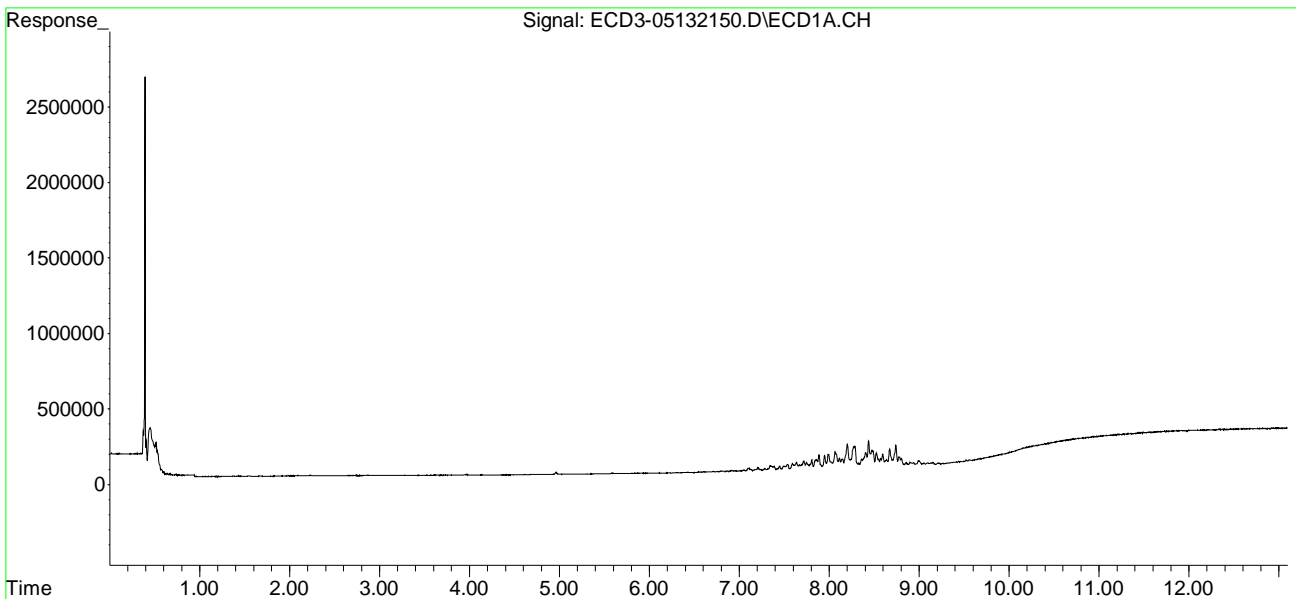
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.064	8.567	107217	27558	0.240	BelowCal #
31)	Mirex	8.740	9.451f	136594	9082	0.714	BelowCal #
32)	Chlordane...	7.496	7.924	24031	16899	1.098	1.233
33)	Chlordane...	7.590	8.033	37601	24692	1.697	2.092
34)	Chlordane...	8.148	8.721	57479	169736	10.088	50.748 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.590	8.274	37601	59657	46.381	50.499
37)	Toxaphene...	7.885	8.623	88118	63333	49.866	51.385
38)	Toxaphene...	8.201	8.654	156255	91402	50.290	51.886
39)	Toxaphene...	8.439	8.721	170798	169736	49.960	50.462
40)	Toxaphene...	8.671	8.900	111395	96396	51.570	50.179
41)	Toxaphene...	8.740	9.269	136594	85572	51.899	51.547
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132150.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:43
Operator : MJB
Sample : 1E13026-CALR
Misc : A20K260, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:20:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132151.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:00
 Operator : MJB
 Sample : 1E13026-CALS
 Misc : A20K261, TOX 100 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: May 14 12:21:01 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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	6.428	0	1570	N.D.	0.011 #
3) g-BHC	6.297	6.728	5950	3874	0.029	0.031
4) b-BHC	6.372	6.787	8978	3452	0.099	0.061
5) Heptachlor	6.708	7.100	14045	8277	0.074	0.073
6) d-BHC	6.550	7.044	8609	8723	0.047	0.079 #
7) Aldrin	6.954	7.361	14248	8709	0.067	0.069
8) Heptachlo...	7.423	7.799	27985	36535	0.152	0.334 #
9) trans-Chl...	7.491	7.949	53303	25789	0.277	0.228
10) cis-Chlor...	7.589	8.033	79805	57191	0.219	0.520 #
11) Endosulfa...	7.716	8.107	105132	53210	0.613	0.531
12) 4,4'-DDE	7.668	8.167	53117	62502	0.279	0.566 #
13) Dieldrin	7.883	8.314	167553	61141	0.875	0.550
14) Endrin	8.064	8.511	200336	81311	1.381	0.968
15) 4,4'-DDD	8.064f	8.568	200336	56883	1.387	0.673 #
16) Endosulfa...	8.200	8.654	287648	166408	1.978	1.891
17) 4,4'-DDT	8.285	8.780	256316	66945	2.262	1.051 #
18) Endrin Al...	8.486	8.899	178184	170622	0.987	1.960 #
19) Endosulfa...	8.802	9.091	88565	59186	0.662	0.820
20) Methoxychlor	8.594	9.268	142690	150389	2.511	4.282 #
21) Endrin Ke...	8.990	9.449f	55535	25125	0.373	0.305
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	7.343	7.747	67312	47548	0.053	0.134 #
26) 2,4'-DDE	7.423	7.924	27985	40182	BelowCal	0.210
27) trans-Non...	7.589	8.033f	79805	57191	0.089	0.136 #
28) 2,4'-DDD	7.787	8.314	64126	61141	0.286	0.614 #
29) 2,4'-DDT	7.947	8.511	163189	81311	1.601	1.301

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132151.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:00
 Operator : MJB
 Sample : 1E13026-CALS
 Misc : A20K261, TOX 100 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: May 14 12:21:01 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

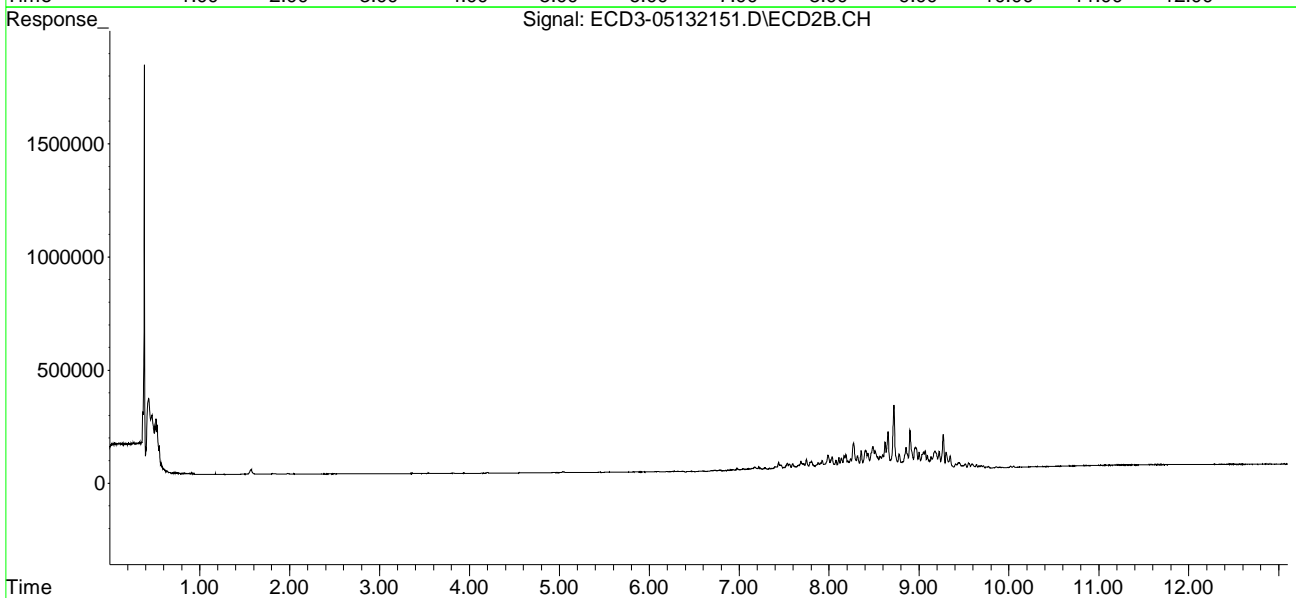
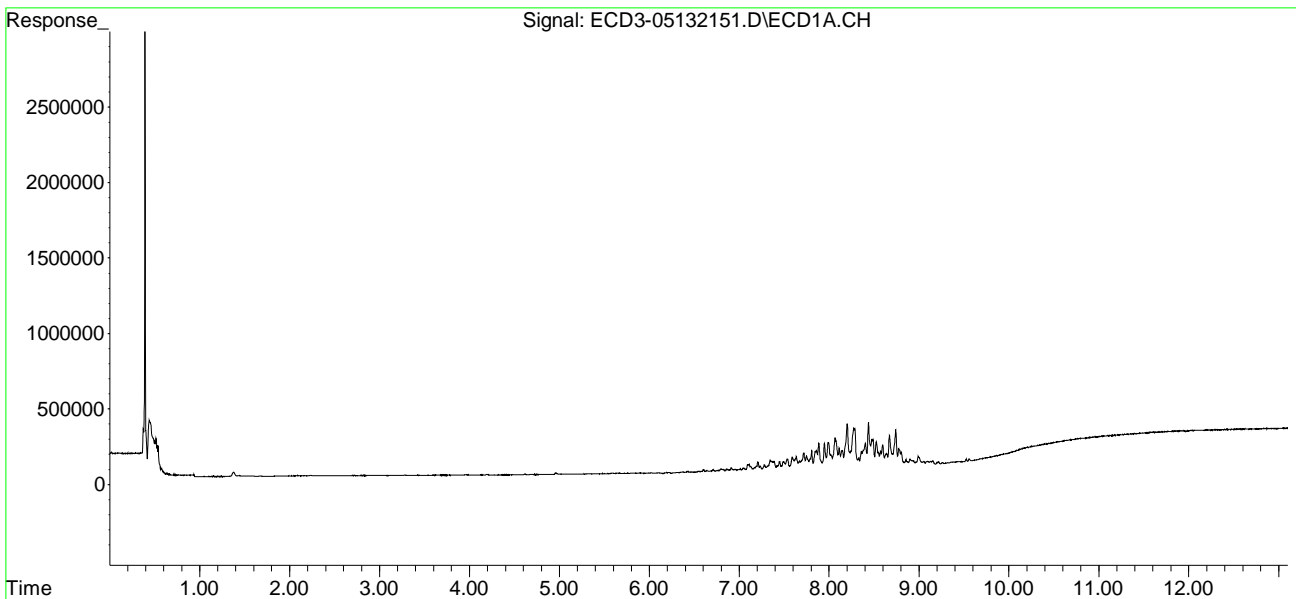
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.064	8.568	200336	56883	0.762	0.157 #
31)	Mirex	8.739	9.449f	237990	25125	1.654	BelowCal #
32)	Chlordane...	7.491	7.949	53303	25789	2.435	1.881
33)	Chlordane...	7.589	8.033	79805	57191	3.602	4.845
34)	Chlordane...	8.144	8.720	112526	283367	19.749	84.722 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.589	8.271	79805	116608	95.023	98.707
37)	Toxaphene...	7.883	8.622	167553	120000	94.819	94.374
38)	Toxaphene...	8.200	8.654	287648	166408	91.207	92.920
39)	Toxaphene...	8.438	8.720	295323	283367	88.897	89.132
40)	Toxaphene...	8.669	8.899	200855	170622	90.205	88.818
41)	Toxaphene...	8.739	9.268	237990	150389	88.433	89.437
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132151.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 0:00
Operator : MJB
Sample : 1E13026-CALS
Misc : A20K261, TOX 100 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: May 14 12:21:01 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132152.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:17
 Operator : MJB
 Sample : 1E13026-CALT
 Misc : A20K262, TOX 200 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: May 14 12:21:14 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.681	0.000	10439	0	0.080	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.306	6.731	4074	4710	0.020	0.038 #
4) b-BHC	6.375	6.789	7934	5831	0.088	0.104
5) Heptachlor	6.708	7.075f	16573	4124	0.088	0.036 #
6) d-BHC	6.548	7.048	10335	4017	0.056	0.036
7) Aldrin	6.953	7.364	27412	6216	0.129	0.049 #
8) Heptachlo...	7.423	7.799	67523	71484	0.366	0.653 #
9) trans-Chl...	7.491	7.951	118222	50764	0.614	0.449
10) cis-Chlor...	7.589	8.032	186285	101633	0.823	0.925
11) Endosulfa...	7.716	8.107	243637	107196	1.421	1.069
12) 4,4'-DDE	7.669	8.167	116093	131885	0.611	1.195 #
13) Dieldrin	7.884	8.314	372098	127167	1.944	1.144 #
14) Endrin	8.063	8.512	470178	190819	3.240	2.271
15) 4,4'-DDD	8.063f	8.568	470178	132951	3.256	1.573 #
16) Endosulfa...	8.200	8.653	688271	387188	4.734	4.401
17) 4,4'-DDT	8.285	8.780	616112	154009	5.438	2.418 #
18) Endrin Al...	8.486	8.899	447069	390251	3.517	5.301 #
19) Endosulfa...	8.802	9.091	240327	140676	1.797	1.950
20) Methoxychlor	8.594	9.268	376634	373662	6.628	10.638 #
21) Endrin Ke...	8.990	9.489	150415	35151	1.009	0.427 #
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	7.344	7.748	142087	80611	0.564	0.514
26) 2,4'-DDE	7.423	7.923	67523	80211	0.254	0.780 #
27) trans-Non...	7.589	8.032f	186285	101633	0.709	0.572
28) 2,4'-DDD	7.805	8.314	275891	127167	2.447	1.736
29) 2,4'-DDT	7.947	8.512	383246	190819	4.356	3.623

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132152.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:17
 Operator : MJB
 Sample : 1E13026-CALT
 Misc : A20K262, TOX 200 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: May 14 12:21:14 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

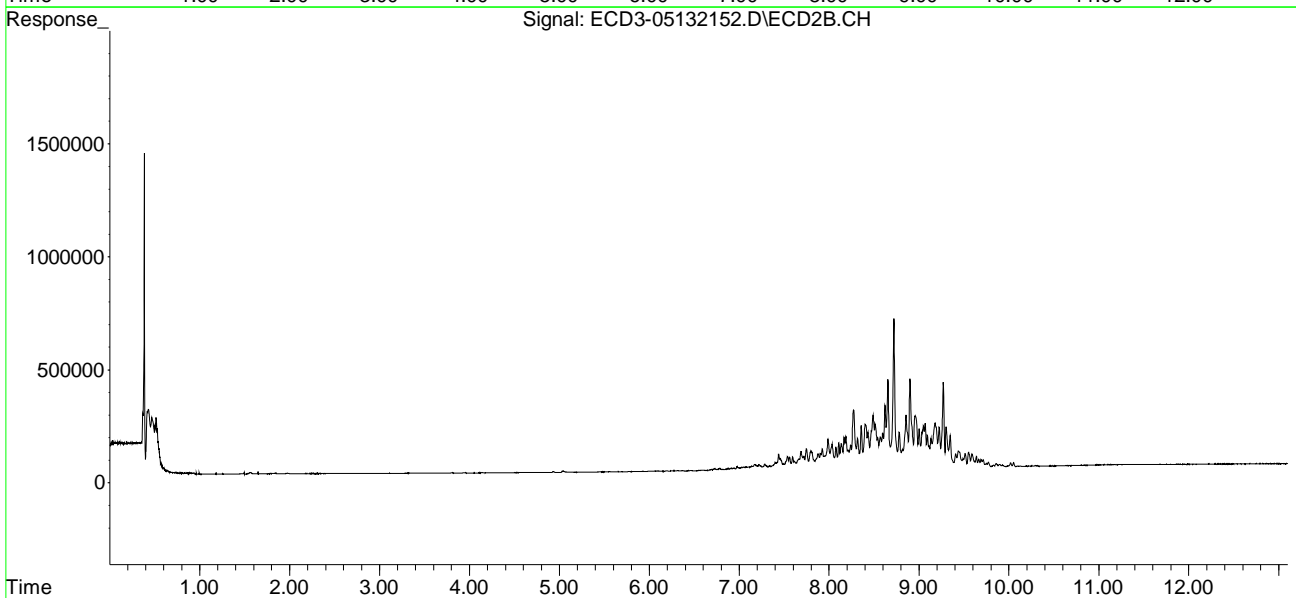
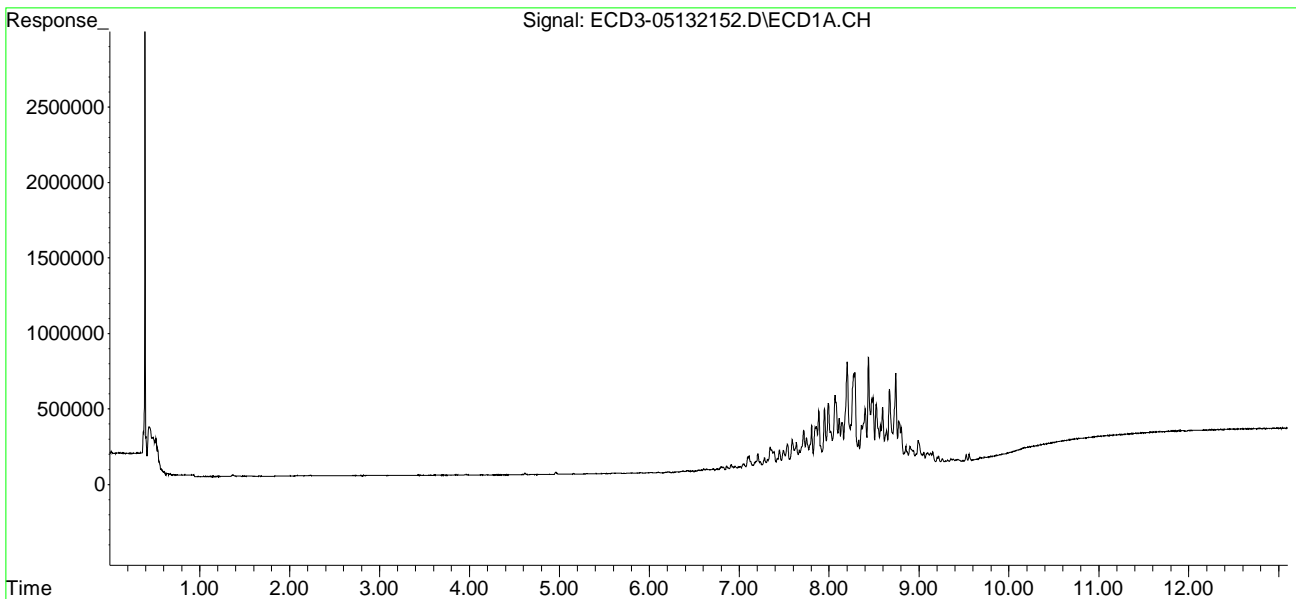
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.063	8.568	470178	132951	2.274	0.884 #
31)	Mirex	8.739	9.489	600797	35151	5.015	BelowCal #
32)	Chlordane...	7.491	7.951	118222	50764	5.401	3.702
33)	Chlordane...	7.589	8.032	186285	101633	8.409	8.610
34)	Chlordane...	8.142	8.720	285641	656424	50.130	196.261 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.589	8.272	186285	250788	216.857	212.288
37)	Toxaphene...	7.884	8.621	372098	273261	210.573	209.590
38)	Toxaphene...	8.200	8.653	688271	387188	214.184	212.345
39)	Toxaphene...	8.438	8.720	713139	656424	217.080	214.110
40)	Toxaphene...	8.670	8.899	498086	390251	215.639	203.147
41)	Toxaphene...	8.739	9.268	600797	373662	216.527	217.263
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132152.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 0:17
Operator : MJB
Sample : 1E13026-CALT
Misc : A20K262, TOX 200 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: May 14 12:21:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132153.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:34
 Operator : MJB
 Sample : 1E13026-CALU
 Misc : A20K263, TOX 500 ppb
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:21:26 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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)	9.682	10.312	18613	6063	0.142	5536.486 #
Target Compounds						
2) a-BHC	6.021	6.426	8117	4158	0.034	0.029
3) g-BHC	6.314	6.724	9854	17462	0.048	0.140 #
4) b-BHC	6.396	6.787	15624	18712	0.172	0.333 #
5) Heptachlor	6.709	7.099	50236	31480	0.266	0.278
6) d-BHC	6.550	7.047	31612	31903	0.171	0.288 #
7) Aldrin	6.956	7.366	76281	40580	0.359	0.323
8) Heptachlo...	7.423	7.801	176030	183011	0.954	1.672 #
9) trans-Chl...	7.490	7.949	291846	136222	1.515	1.204
10) cis-Chlor...	7.589	8.033	454968	259439	2.347	2.360
11) Endosulfa...	7.715	8.108	591556	260458	3.449	2.598
12) 4,4'-DDE	7.669	8.168	278949	330086	1.467	2.991 #
13) Dieldrin	7.884	8.314	910368	313292	4.755	2.818 #
14) Endrin	8.064	8.512	1169697	468021	8.060	5.570
15) 4,4'-DDD	8.064f	8.567	1169697	327690	8.100	3.877 #
16) Endosulfa...	8.200	8.654	1705677	935601	11.731	10.634
17) 4,4'-DDT	8.285	8.780	1549900	378187	13.679	5.937 #
18) Endrin Al...	8.486	8.899	1086902	981058	9.512	14.244 #
19) Endosulfa...	8.803	9.091	600347	352225	4.488	4.882
20) Methoxychlor	8.595	9.268	924007	905293	16.261	25.774 #
21) Endrin Ke...	8.990	9.488	376936	97883	2.530	1.188 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.897f	6.276	8723	1371	BelowCal	BelowCal
25) Oxychlorane	7.344	7.748	354771	215969	2.018	2.071
26) 2,4'-DDE	7.423	7.923	176030	201128	1.186	2.502 #
27) trans-Non...	7.589	8.033f	454968	259439	2.275	2.117
28) 2,4'-DDD	7.805	8.314	666754	313292	6.424	4.892
29) 2,4'-DDT	7.948	8.512	947972	468021	11.357	9.453

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132153.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:34
 Operator : MJB
 Sample : 1E13026-CALU
 Misc : A20K263, TOX 500 ppb
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:21:26 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

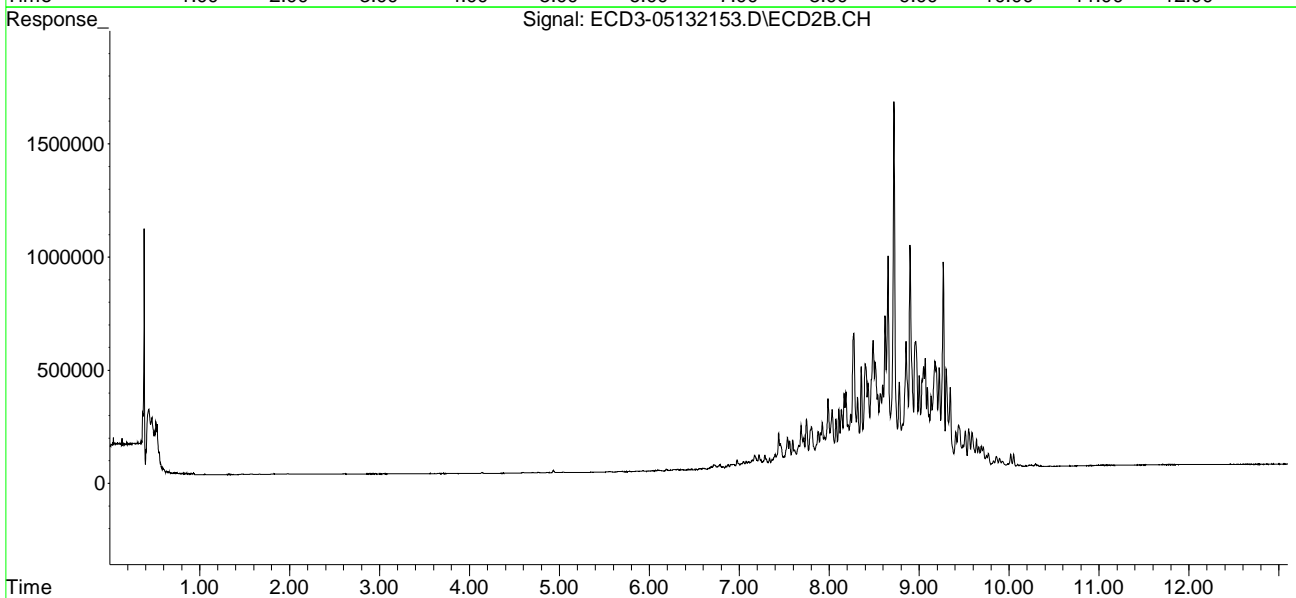
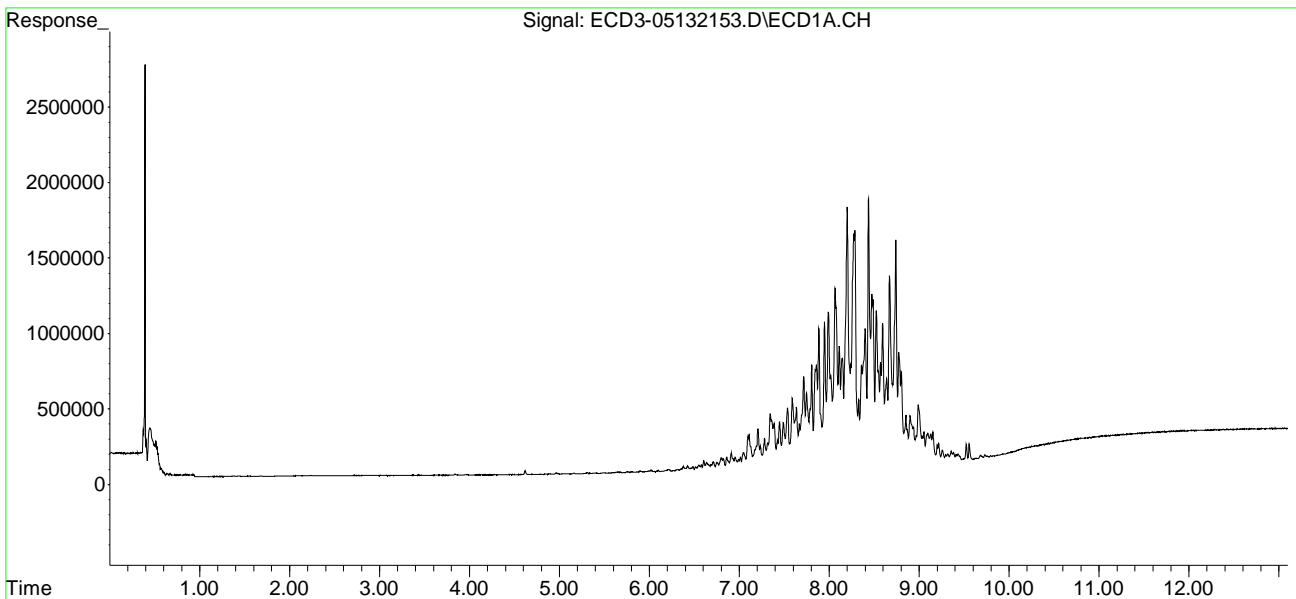
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.064	8.567	1169697	327690	6.186	2.744 #
31)	Mirex	8.740	9.488	1473541	97883	13.081	1.001 #
32)	Chlordane...	7.490	7.949	291846	136222	13.334	9.935
33)	Chlordane...	7.589	8.033	454968	259439	20.537	21.978
34)	Chlordane...	8.144	8.721	704380	1616774	123.620	483.390 #
35)	Chlordane...	3.842f	0.000	5163	0	NoCal	N.D.
36)	Toxaphene...	7.589	8.273	454968	595063	518.817	503.712
37)	Toxaphene...	7.884	8.622	910368	672660	515.183	503.004
38)	Toxaphene...	8.200	8.654	1705677	935601	515.359	500.735
39)	Toxaphene...	8.438	8.721	1754291	1616774	521.636	523.077
40)	Toxaphene...	8.670	8.899	1237962	981058	510.625	510.694
41)	Toxaphene...	8.740	9.268	1473541	905293	509.594	506.594
42)	Toxaphene...	3.842f	0.000	5163	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132153.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 0:34
Operator : MJB
Sample : 1E13026-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:21:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132154.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:51
 Operator : MJB
 Sample : 1E13026-CALV
 Misc : A20K264, TOX 1000 ppb
 ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:21:38 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.466	0.000	4969	0	0.029	N.D. #
22) S DCBP (S)	9.681	10.294f	41178	24027	0.315	0.152 #
Target Compounds						
2) a-BHC	6.020	6.428	16107	12900	0.068	0.089
3) g-BHC	6.312	6.722	22014	42001	0.108	0.338 #
4) b-BHC	6.400	6.816	32754	29000	0.362	0.517 #
5) Heptachlor	6.709	7.104	94552	64339	0.500	0.567
6) d-BHC	6.549	7.047	62168	65881	0.337	0.594 #
7) Aldrin	6.954	7.366	150760	81297	0.710	0.647
8) Heptachlo...	7.422	7.800	338458	342342	1.835	3.127 #
9) trans-Chl...	7.489	7.946	562930	265038	2.921	2.343
10) cis-Chlor...	7.588	8.031	892585	484468	4.827	4.407
11) Endosulfa...	7.715	8.107	1155396	495914	6.737	4.947
12) 4,4'-DDE	7.668	8.167	533974	646793	2.808	5.862 #
13) Dieldrin	7.883	8.313	1750360	582384	9.143	5.238 #
14) Endrin	8.063	8.512	2285241	930825	15.747	11.078
15) 4,4'-DDD	8.077	8.566	2069993	646904	14.334	7.653 #
16) Endosulfa...	8.200	8.653	3350890	1849250	23.046	21.019
17) 4,4'-DDT	8.285	8.779	3078619	749348	27.171	11.764 #
18) Endrin Al...	8.485	8.898	2165772	1923662	19.550	28.375 #
19) Endosulfa...	8.802	9.090	1197659	708990	8.953	9.828
20) Methoxychlor	8.594	9.268	1890700	1825751	33.273	51.980 #
21) Endrin Ke...	8.990	9.489	754866	197462	5.066	2.396 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.868	6.289	4494	10595	BelowCal	BelowCal
25) Oxychlorane	7.343	7.747	678403	406110	4.228	4.258
26) 2,4'-DDE	7.422	7.923	338458	391677	2.581	5.212 #
27) trans-Non...	7.588	8.031f	892585	484468	4.821	4.320
28) 2,4'-DDD	7.804	8.313	1306144	582384	12.897	9.439
29) 2,4'-DDT	7.947	8.512	1837679	930825	22.190	19.039

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132154.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:51
 Operator : MJB
 Sample : 1E13026-CALV
 Misc : A20K264, TOX 1000 ppb
 ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:21:38 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

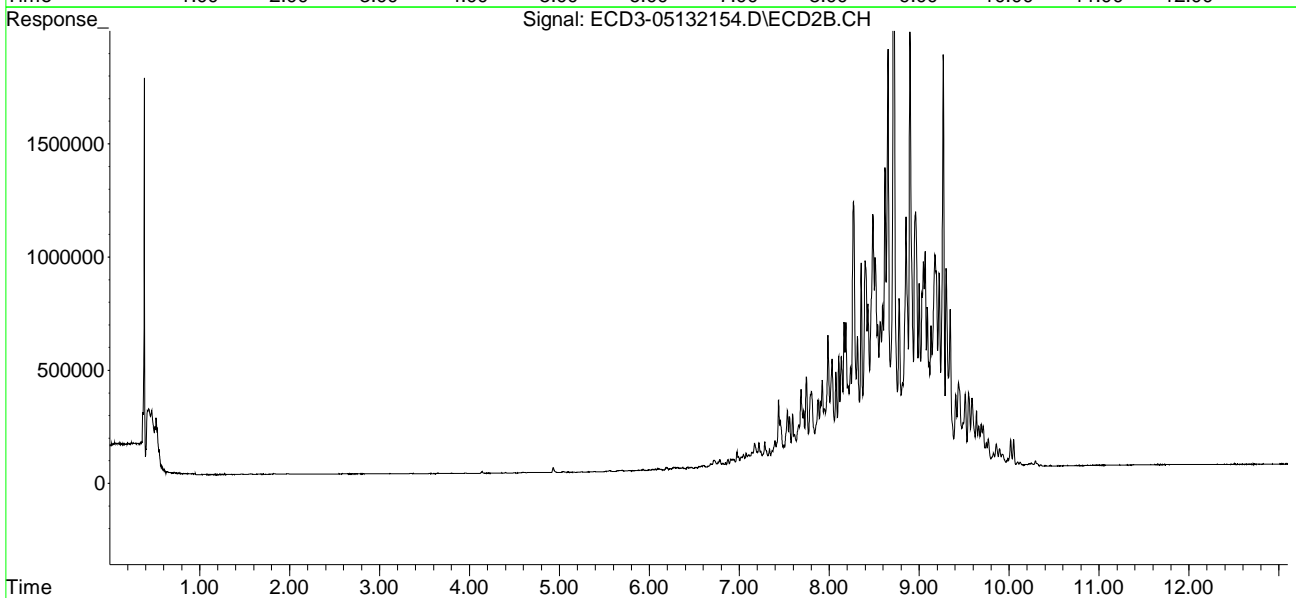
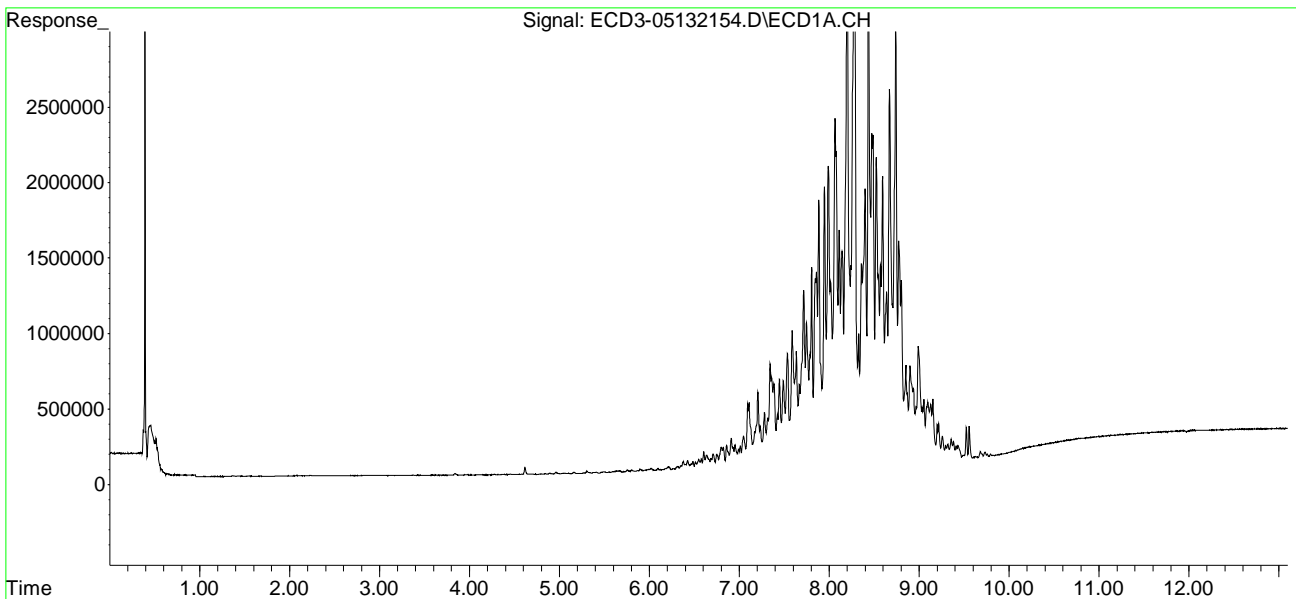
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.077	8.566	2069993	646904	11.202	5.791 #
31)	Mirex	8.739	9.489	2961877	197462	26.775	2.618 #
32)	Chlordane...	7.489f	7.946	562930	265038	25.719	19.330
33)	Chlordane...	7.588	8.031	892585	484468	40.291	41.042
34)	Chlordane...	8.142	8.719	1405079	3131109	246.593	936.153 #
35)	Chlordane...	3.840f	0.000	9934	0	NoCal	N.D.
36)	Toxaphene...	7.588	8.271	892585	1176759	995.089	996.109
37)	Toxaphene...	7.883	8.621	1750360	1326918	990.539	964.235
38)	Toxaphene...	8.200	8.653	3350890	1849250	973.180	957.917
39)	Toxaphene...	8.438	8.719	3434990	3131109	976.169	978.460
40)	Toxaphene...	8.670	8.898	2465390	1923662	956.580	1001.371
41)	Toxaphene...	8.739	9.268	2961877	1825751	969.210	966.710
42)	Toxaphene...	3.840f	0.000	9934	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132154.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 0:51
Operator : MJB
Sample : 1E13026-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:21:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132155.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:09
 Operator : MJB
 Sample : 1E13026-CALW
 Misc : A20K259, TOX 2000 ppb
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:21:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.467	0.000	5510	0	0.032	N.D. #
22) S DCBP (S)	9.679	10.310	118598	39675	0.908	0.390 #
Target Compounds						
2) a-BHC	6.023	6.423	19379	9780	0.082	0.068
3) g-BHC	6.312	6.724	30339	35678	0.149	0.287 #
4) b-BHC	6.401	6.814	41647	21626	0.460	0.385
5) Heptachlor	6.710	7.110	120359	74623	0.636	0.658
6) d-BHC	6.548	7.050	83909	70337	0.454	0.634
7) Aldrin	6.954	7.368	241793	113913	1.139	0.907
8) Heptachlo...	7.421	7.799	663389	651240	3.596	5.949 #
9) trans-Chl...	7.488f	7.944	1092184	531828	5.668	4.702
10) cis-Chlor...	7.588	8.030f	1851676	870251	10.247	7.917
11) Endosulfa...	7.715	8.107	2433745	1014175	14.191	10.118
12) 4,4'-DDE	7.668	8.167	1018945	1265800	5.359	11.471 #
13) Dieldrin	7.882	8.314	3680671	1262970	19.225	11.358 #
14) Endrin	8.063	8.513	4991700	2118572	34.398	25.213
15) 4,4'-DDD	8.076	8.567	4598815	1486751	31.846	17.589 #
16) Endosulfa...	8.199	8.653	7501190	4206622	51.590	47.814
17) 4,4'-DDT	8.284	8.779	6970705	1685195	61.520	26.456 #
18) Endrin Al...	8.485	8.898	5065754	4328462	46.105	63.705
19) Endosulfa...	8.802	9.090	2998517	1701863	22.415	23.591
20) Methoxychlor	8.593	9.268	4501166	4271167	79.212	121.601 #
21) Endrin Ke...	8.989	9.489	1866516	493775	12.526	5.993 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.869	6.293	5004	7608	BelowCal	BelowCal
25) Oxychlorane	7.343	7.747	1295940	696569	8.443	7.597
26) 2,4'-DDE	7.421	7.923	663389	764795	5.369	10.512 #
27) trans-Non...	7.588	8.030	1851676	870251	10.385	8.096
28) 2,4'-DDD	7.804	8.314	2748007	1262970	27.351	20.855
29) 2,4'-DDT	7.947	8.513	4024507	2118572	47.882	42.855

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
 Data File : ECD3-05132155.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:09
 Operator : MJB
 Sample : 1E13026-CALW
 Misc : A20K259, TOX 2000 ppb
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:21:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:38:03 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

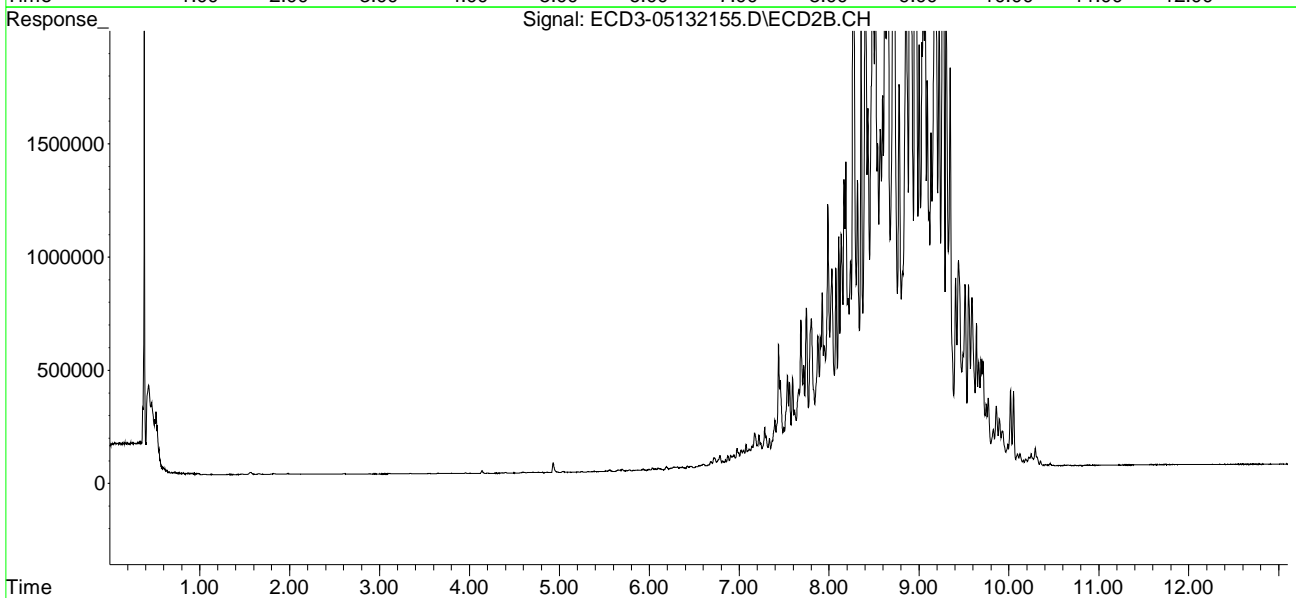
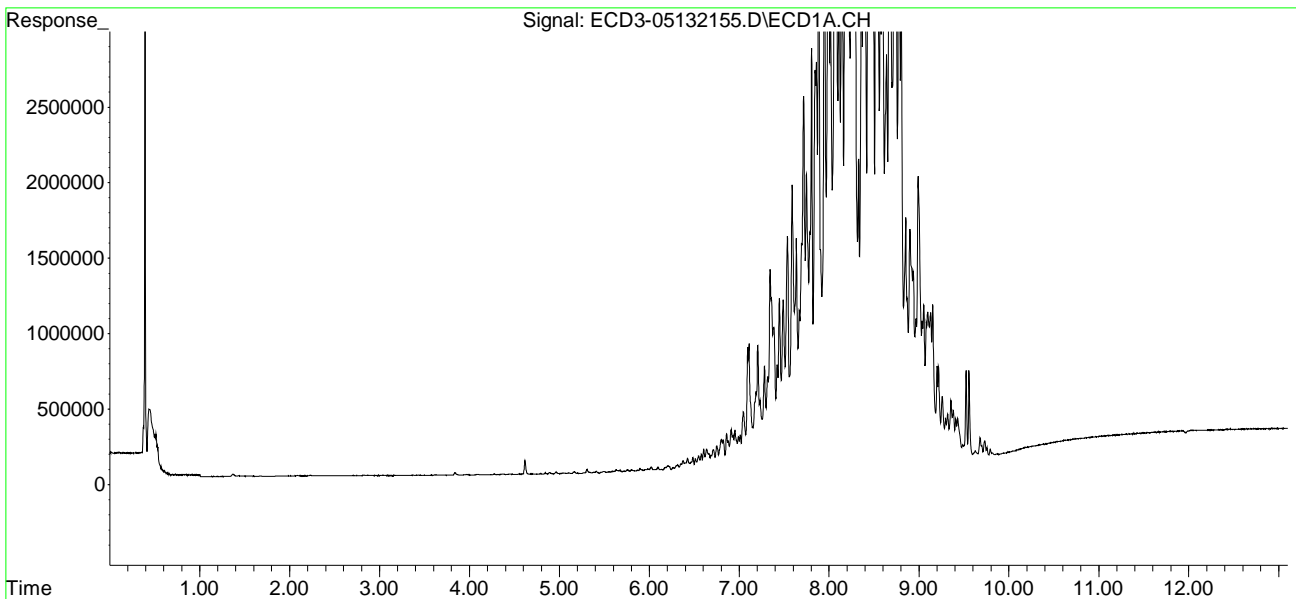
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.076	8.567	4598815	1486751	25.189	13.800 #
31)	Mirex	8.738	9.489	6886007	493775	62.518	7.431 #
32)	Chlordane...	7.488f	7.944	1092184	531828	49.899	38.788
33)	Chlordane...	7.588	8.030	1851676	870251	83.584	73.724
34)	Chlordane...	8.142	8.720	3174737	6945744	557.171	2076.670 #
35)	Chlordane...	3.839f	0.000	16053	0	NoCal	N.D.
36)	Toxaphene...	7.588	8.273	1851676	2462187	1980.408	2084.204
37)	Toxaphene...	7.882	8.621	3680671	2954588	2082.913	2025.261
38)	Toxaphene...	8.199	8.653	7501190	4206622	2006.408	2030.877
39)	Toxaphene...	8.437	8.720	7772495	6945744	1998.996	1997.268
40)	Toxaphene...	8.669	8.898	5929875	4328462	2022.388	2253.200
41)	Toxaphene...	8.738	9.268	6886007	4271167	2013.372	2016.691
42)	Toxaphene...	3.839f	0.000	16053	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\REQUANT\
Data File : ECD3-05132155.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 1:09
Operator : MJB
Sample : 1E13026-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 12:21:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:38:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Injection Log

Data Directory: C:\msdchem\3\data\2021-05\1E13026\

KAK 5/14/21

File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time		
ECD3-05132101.D	Hexane		1	1	13 May 2021	7:24	
ECD3-05132102.D	Hexane		1	1	13 May 2021	7:41	
ECD3-05132103.D	1E13026-BKD1	A21C007	2	1	13 May 2021	7:58	
ECD3-05132104.D	1E13026-CCV1	A21B423, AB Mix 50 p	3	1	13 May 2021	8:41	
ECD3-05132105.D	1E13026-CCV2	A21C331, 9-42 Mix 50	4	1	13 May 2021	9:23	
ECD3-05132106.D	1E13026-CCB1	A21E029	7	1	13 May 2021	9:40	
ECD3-05132107.D	Hexane		1	1	13 May 2021	10:29	
ECD3-05132108.D	1E13026-BKD2	A21C007	2	1	13 May 2021	10:47	
ECD3-05132109.D	1E13026-CCV3	A21B423, AB Mix 50 p	3	1	13 May 2021	11:25	
ECD3-05132110.D	Hexane		1	1	13 May 2021	12:07	
ECD3-05132111.D	1E13026-BKD3	A21C007	2	1	13 May 2021	12:24	
ECD3-05132112.D	1E13026-CCV4	A21B423, AB Mix 50 p	3	1	13 May 2021	12:41	
ECD3-05132113.D	1E13026-CCV5	A21C331, 9-42 Mix 50	4	1	13 May 2021	12:59	
ECD3-05132114.D	1E13026-ICB1	A21E029	7	1	13 May 2021	13:16	
ECD3-05132115.D	1E13026-CAL1	A21E230, AB 0.5 ppb	8	1	13 May 2021	13:34	
ECD3-05132116.D	1E13026-CAL2	A21E231, AB 1 ppb	9	1	13 May 2021	13:51	
ECD3-05132117.D	1E13026-CAL3	A21B419, AB 2 ppb	10	1	13 May 2021	14:08	
ECD3-05132118.D	1E13026-CAL4	A21B420, AB 5 ppb	11	1	13 May 2021	14:26	
ECD3-05132119.D	1E13026-CAL5	A21B421, AB 10 ppb	12	1	13 May 2021	14:43	
ECD3-05132120.D	1E13026-CAL6	A21B422, AB 25 ppb	13	1	13 May 2021	15:01	
ECD3-05132121.D	1E13026-CAL7	A21B423, AB 50 ppb	14	1	13 May 2021	15:18	
ECD3-05132122.D	1E13026-CAL8	A21B424, AB 100 ppb	15	-1	13 May 2021	15:36	
ECD3-05132123.D	1E13026-CAL8	A21B424, AB 100 ppb	15	1	13 May 2021	15:53	
ECD3-05132124.D	1E13026-CAL9	A21B418, AB 200 ppb	16	-1	13 May 2021	16:10	
ECD3-05132125.D	1E13026-IBL1	Instrument Blank	-1	-1	13 May 2021	16:28	
ECD3-05132126.D	1E13026-CAL9	A21B418, AB 200 ppb	16	1	13 May 2021	16:45	
ECD3-05132127.D	1E13026-IBL1	Instrument Blank	1	1	13 May 2021	17:03	
ECD3-05132128.D	1E13026-ICV1	A21E328, AB 50 ppb	17	1	13 May 2021	17:20	
ECD3-05132129.D	1E13026-CALA	A21E233, 9-42 0.5 pp	18	1	13 May 2021	17:37	
ECD3-05132130.D	1E13026-CALB	A21C326, 9-42 1 ppb	19	1	13 May 2021	17:55	
ECD3-05132131.D	1E13026-CALC	A21C327, 9-42 2 ppb	20	1	13 May 2021	18:12	
ECD3-05132132.D	1E13026-CALD	A21C328, 9-42 5 ppb	21	1	13 May 2021	18:30	
ECD3-05132133.D	1E13026-CALE	A21C329, 9-42 10 ppb	22	1	13 May 2021	18:47	
ECD3-05132134.D	1E13026-CALF	A21C330, 9-42 25 ppb	23	1	13 May 2021	19:04	
ECD3-05132135.D	1E13026-CALG	A21C331, 9-42 50 ppb	24	1	13 May 2021	19:22	
ECD3-05132136.D	1E13026-CALH	A21C332, 9-42 100 pp	25	1	13 May 2021	19:39	
ECD3-05132137.D	1E13026-CALI	A21C325, 9-42 200 pp	26	1	13 May 2021	19:57	
ECD3-05132138.D	1E13026-IBL2	Instrument Blank	1	1	13 May 2021	20:14	
ECD3-05132139.D	1E13026-ICV2	A21C333, 9-42 50 ppb	27	1	13 May 2021	20:32	
ECD3-05132140.D	1E13026-CALJ	A21E234, CHLOR 10 pp	28	1	13 May 2021	20:49	
ECD3-05132141.D	1E13026-CALK	A20L139, CHLOR 50 pp	29	1	13 May 2021	21:06	
ECD3-05132142.D	1E13026-CALL	A20L140, CHLOR 100 p	30	1	13 May 2021	21:24	
ECD3-05132143.D	1E13026-CALM	A20L141, CHLOR 200 p	31	1	13 May 2021	21:41	
ECD3-05132144.D	1E13026-CALN	A20L142, CHLOR 500 p	32	1	13 May 2021	21:58	
ECD3-05132145.D	1E13026-CALO	A20L143, CHLOR 1000	33	1	13 May 2021	22:16	
ECD3-05132146.D	1E13026-CALP	A20L138, CHLOR 2000	34	1	13 May 2021	22:33	
ECD3-05132147.D	1E13026-IBL3	Instrument Blank	1	1	13 May 2021	22:51	
ECD3-05132148.D	1E13026-ICV3	A20L144, CHLOR 500 p	35	1	13 May 2021	23:08	
ECD3-05132149.D	1E13026-CALQ	A21E235, TOX 10 ppb	36	1	13 May 2021	23:25	
ECD3-05132150.D	1E13026-CALR	A20K260, TOX 500 ppb	37	1	13 May 2021	23:43	
ECD3-05132151.D	1E13026-CALS	A20K261, TOX 100 ppb	38	1	14 May 2021	0:00	
ECD3-05132152.D	1E13026-CALT	A20K262, TOX 200 ppb	39	1	14 May 2021	0:17	
ECD3-05132153.D	1E13026-CALU	A20K263, TOX 500 ppb	40	1	14 May 2021	0:34	
ECD3-05132154.D	1E13026-CALV	A20K264, TOX 1000 pp	41	1	14 May 2021	0:51	
ECD3-05132155.D	1E13026-CALW	A20K259, TOX 2000 pp	42	1	14 May 2021	1:09	
ECD3-05132156.D	1E13026-IBL4	Instrument Blank	1	1	14 May 2021	1:26	
ECD3-05132157.D	1E13026-ICV4	A20K265, TOX 500 ppb	43	1	14 May 2021	1:43	

MJB 5/14/21

Seq. error

Check runs for instrument cleanliness before running curve. Data not entered.

MJB 5/14/21

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1E13026 BKD1
Data File: ECD3-051132111.D

MJB 5/14/21

First Column Area Counts		Percent Breakdown	
DDE	927920		
DDD	7372087		
DDT	113917144	6.79	PASS
Endrin	71242597	7.97	PASS
Endrin Aldehyde	993650		
Endrin Ketone	5172343		

Second Column Area Counts		Percent Breakdown	
DDE	502983		
DDD	4557501		
DDT	64607542	7.26	PASS
Endrin	41860906	7.72	PASS
Endrin Aldehyde	556920		
Endrin Ketone	2946572		

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\3\data\2021-05\1E13026\
 Data File : ECD3-05132111.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 12:24
 Operator : MJB
 Sample : 1E13026-BKD1
 Misc : A21C007
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 12:28:03 2021
 Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210513.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

Compound	R.T.	Response	Conc	Units

Target Compounds				
1) 4,4'-DDE	7.659	927920	NoCal	ng/mL
2) Endrin	8.050	71242597	NoCal	ng/mL
3) 4,4'-DDD	8.087	7372087	NoCal	ng/mL
4) 4,4'-DDT	8.283	113917144	NoCal	ng/mL
5) Endrin Aldehyde	8.505	993650	NoCal	ng/mL
6) Endrin Ketone	9.007	5172343	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.157	502983	NoCal	ng/mL
9) Endrin [2C]	8.520	41860906	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.569	4557501	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.901	556920	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.794	64607542	NoCal	ng/mL
13) Endrin Ketone [2C]	9.481	2946572	NoCal	ng/mL

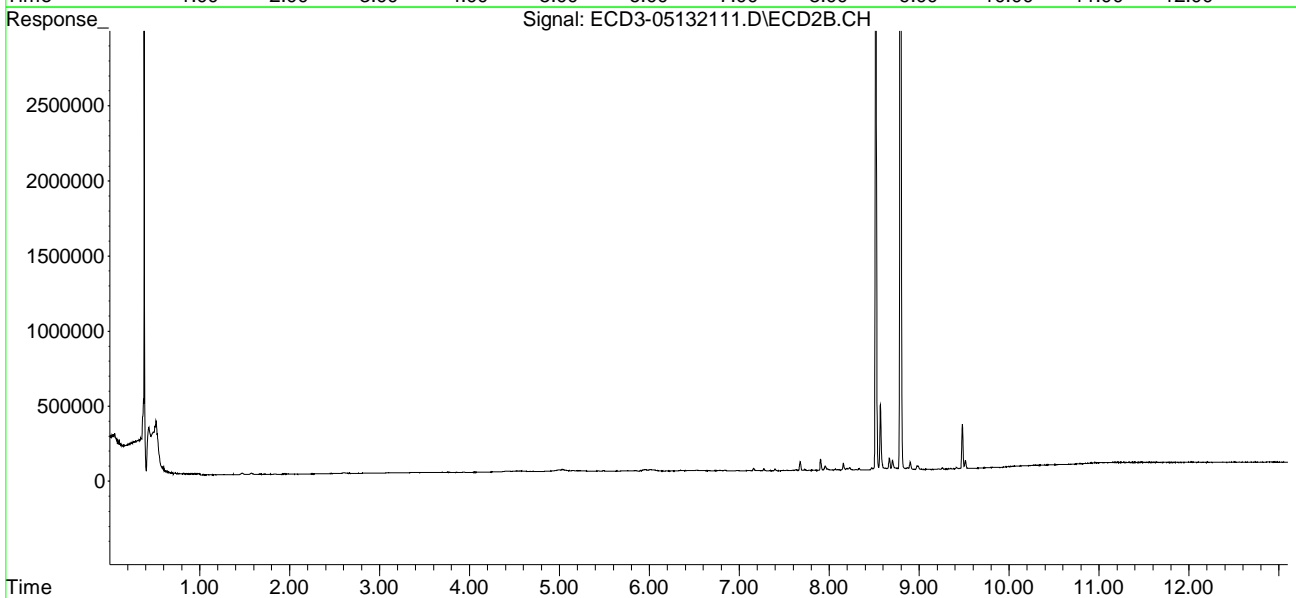
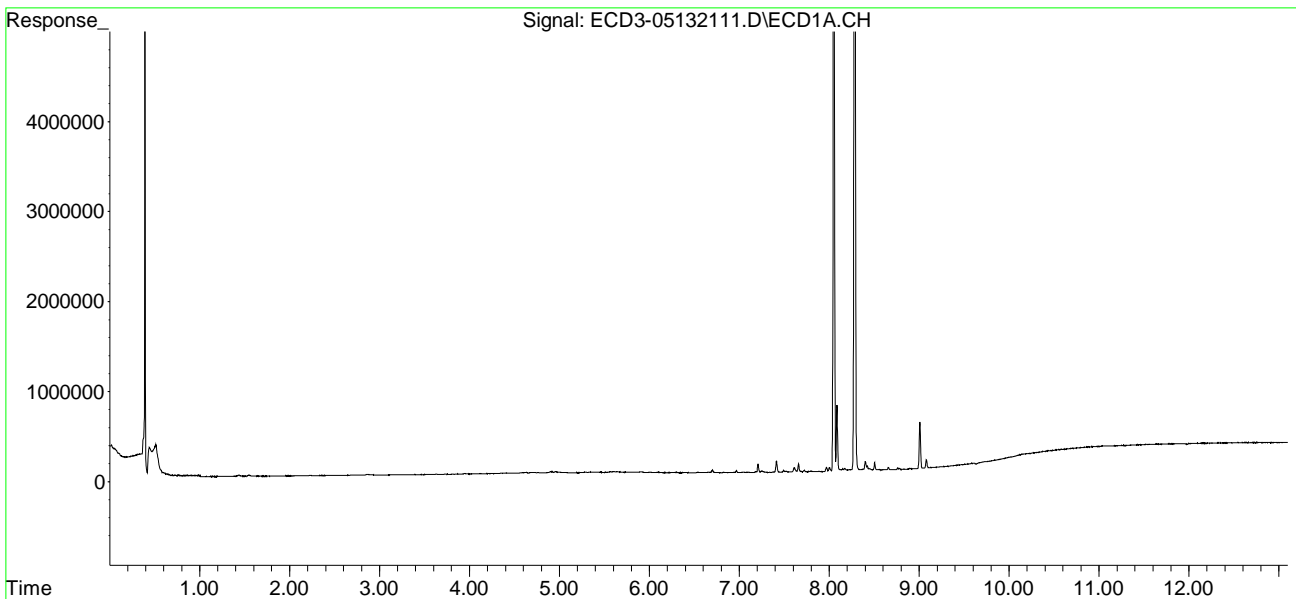
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 12:24
Operator : MJB
Sample : 1E13026-BKD1
Misc : A21C007
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: May 14 12:28:03 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210513.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



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132115.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:34
 Operator : MJB
 Sample : 1E13026-CAL1
 Misc : A21E230, AB 0.5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:56:11 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Curve point was not used in calibration.						
System Monitoring Compounds						
1) S TCMX (S)	5.479	5.829	99116	58960	0.479	0.323
22) S DCBP (S)	9.681	10.320	446790	45781	3.259	0.430 #
Target Compounds						
2) a-BHC	6.026	6.421	117914	75478	0.426	0.431
3) g-BHC	6.311	6.735	105048	68106	0.432	0.450
4) b-BHC	6.392	6.804	51029	32418	0.160	0.160
5) Heptachlor	6.708	7.108	110933	66141	0.504	0.509
6) d-BHC	6.542	7.050	90041	53648	0.374	0.205 #
7) Aldrin	6.949	7.370	113662	66915	0.499	0.477
8) Heptachlo...	7.417	7.805	108704	63862	0.343	0.338
9) trans-Chl...	7.510	7.945	105586	65803	0.358	0.326
10) cis-Chlor...	7.608	8.052	129104	65277	0.401	0.337
11) Endosulfa...	7.709	8.099	97307	57105	0.331	0.324
12) 4,4'-DDE	7.660	8.158	103512	59947	0.332	0.308
13) Dieldrin	7.882	8.298	105858	60460	0.346	0.333
14) Endrin	8.050	8.520	79065	46480	0.331	0.359
15) 4,4'-DDD	8.088	8.570	75104	44890	0.225	0.240
16) Endosulfa...	8.210	8.667	81751	48396	0.265	0.263
17) 4,4'-DDT	8.284	8.793	61861	34473	0.427	0.452
18) Endrin Al...	8.505	8.902	88969	55097	BelowCal	9483.127
19) Endosulfa...	8.809	9.095	76114	40184	0.213	0.180
20) Methoxychlor	8.615	9.259	31728	19646	0.240	0.344 #
21) Endrin Ke...	9.008	9.496	81812	105851	0.226	0.556 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132115.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:34
 Operator : MJB
 Sample : 1E13026-CAL1
 Misc : A21E230, AB 0.5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:56:11 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

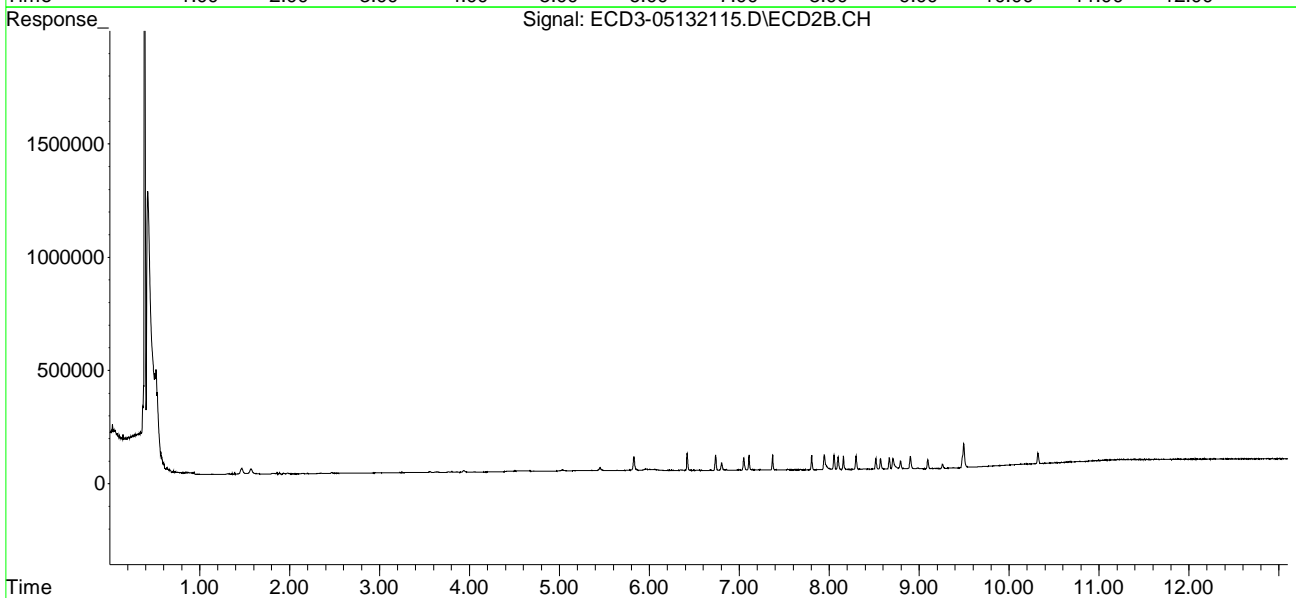
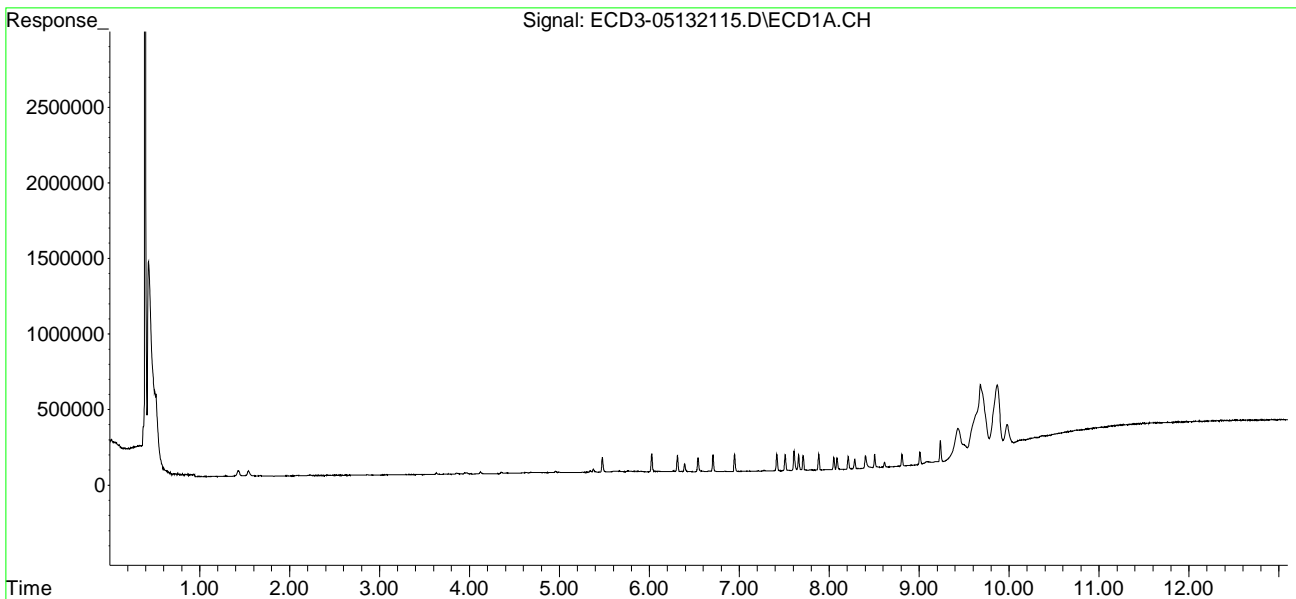
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:34
Operator : MJB
Sample : 1E13026-CAL1
Misc : A21E230, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 10:56:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 10:50:22 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132116.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:51
 Operator : MJB
 Sample : 1E13026-CAL2
 Misc : A21E231, AB 1 ppb
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:57:20 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.829	182894	107474	0.884	0.706
22) S DCBP (S)	9.678	10.320	156835	82421	1.032	0.951
Target Compounds						
2) a-BHC	6.026	6.421	231988	142686	0.839	0.815
3) g-BHC	6.311	6.735	199668	123751	0.821	0.817
4) b-BHC	6.391	6.804	97446	59679	0.616	0.574
5) Heptachlor	6.708	7.108	189993	113723	0.864	0.876
6) d-BHC	6.541	7.051	173191	102662	0.720	0.551
7) Aldrin	6.949	7.370	220043	127724	0.967	0.911
8) Heptachlo...	7.417	7.805	194604	115030	0.782	0.766
9) trans-Chl...	7.510	7.946	198517	116610	0.814	0.744
10) cis-Chlor...	7.607	8.052	217127	118151	0.856	0.791
11) Endosulfa...	7.709	8.099	175744	101089	0.764	0.725
12) 4,4'-DDE	7.660	8.157	191589	109637	0.759	0.701
13) Dieldrin	7.882	8.298	194217	112775	0.790	0.755
14) Endrin	8.050	8.520	142951	82661	0.742	0.769
15) 4,4'-DDD	8.087	8.570	137514	79250	0.586	0.580
16) Endosulfa...	8.210	8.667	146441	88669	0.683	0.685
17) 4,4'-DDT	8.283	8.794	109141	60563	0.753	0.794
18) Endrin Al...	8.505	8.901	167800	101152	0.287	0.352
19) Endosulfa...	8.809	9.095	136561	71960	0.617	0.560
20) Methoxychlor	8.614	9.259	57409	35220	0.611	0.768
21) Endrin Ke...	9.007	9.482	149787	83617	0.638	0.304 #
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132116.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 13:51
 Operator : MJB
 Sample : 1E13026-CAL2
 Misc : A21E231, AB 1 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: May 14 10:57:20 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

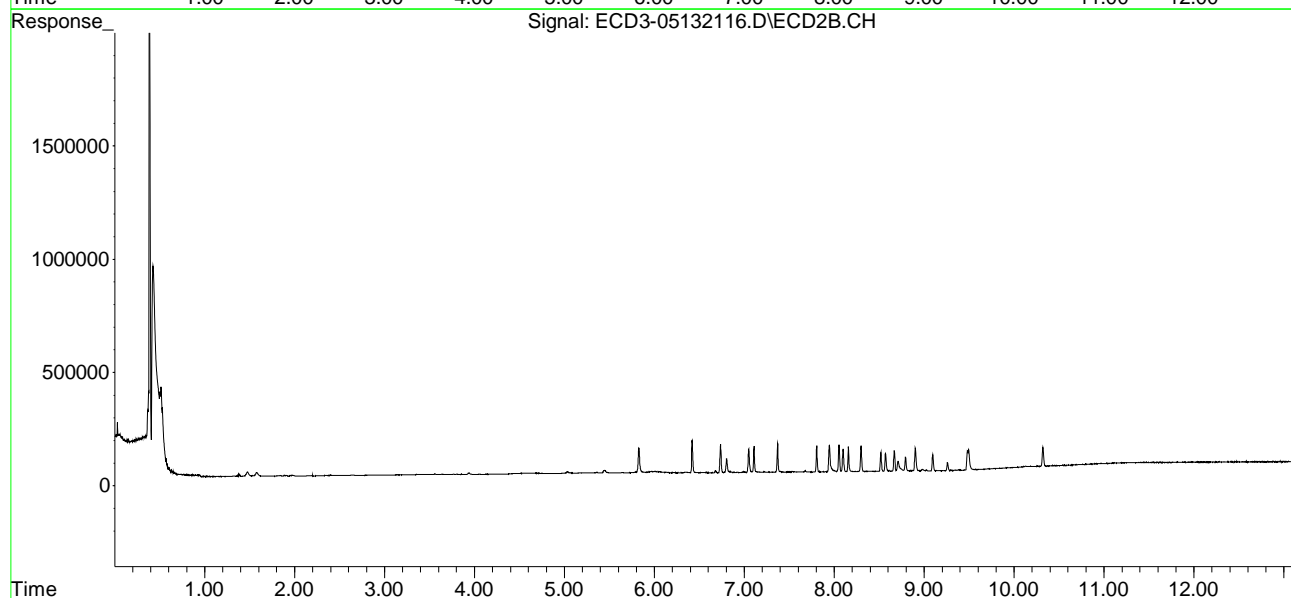
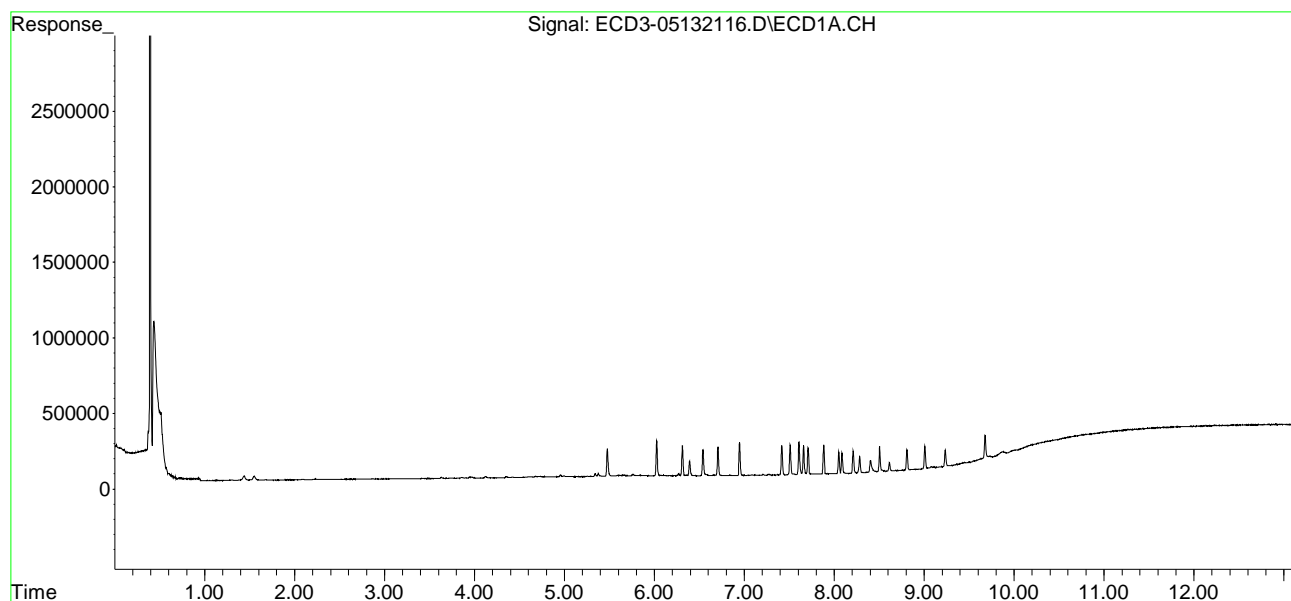
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 13:51
Operator : MJB
Sample : 1E13026-CAL2
Misc : A21E231, AB 1 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: May 14 10:57:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 10:50:22 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132117.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:08
 Operator : MJB
 Sample : 1E13026-CAL3
 Misc : A21B419, AB 2 ppb
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:58:10 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.829	359964	206831	1.740	1.489
22) S DCBP (S)	9.677	10.319	289121	152693	2.048	1.953
Target Compounds						
2) a-BHC	6.026	6.421	467427	284112	1.690	1.623
3) g-BHC	6.311	6.735	401880	250459	1.653	1.654
4) b-BHC	6.391	6.803	188604	117134	1.512	1.447
5) Heptachlor	6.707	7.108	385677	233865	1.753	1.801
6) d-BHC	6.541	7.050	360927	210189	1.500	1.311
7) Aldrin	6.948	7.370	427082	256049	1.876	1.827
8) Heptachlo...	7.417	7.804	377452	220050	1.715	1.646
9) trans-Chl...	7.510	7.945	393604	222614	1.772	1.618
10) cis-Chlor...	7.607	8.052	397239	220771	1.787	1.672
11) Endosulfa...	7.708	8.099	350328	199117	1.726	1.620
12) 4,4'-DDE	7.659	8.157	371519	221196	1.631	1.583
13) Dieldrin	7.882	8.298	378737	220990	1.718	1.628
14) Endrin	8.049	8.519	296913	170599	1.733	1.764
15) 4,4'-DDD	8.087	8.569	280347	165193	1.411	1.432
16) Endosulfa...	8.209	8.667	291927	178366	1.623	1.623
17) 4,4'-DDT	8.283	8.793	222597	125347	1.536	1.644
18) Endrin Al...	8.504	8.901	335340	202658	1.524	1.644
19) Endosulfa...	8.808	9.095	279280	142766	1.570	1.405
20) Methoxychlor	8.614	9.259	121521	77253	1.535	1.912
21) Endrin Ke...	9.006	9.481	299249	169454	1.543	1.277
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132117.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:08
 Operator : MJB
 Sample : 1E13026-CAL3
 Misc : A21B419, AB 2 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: May 14 10:58:10 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

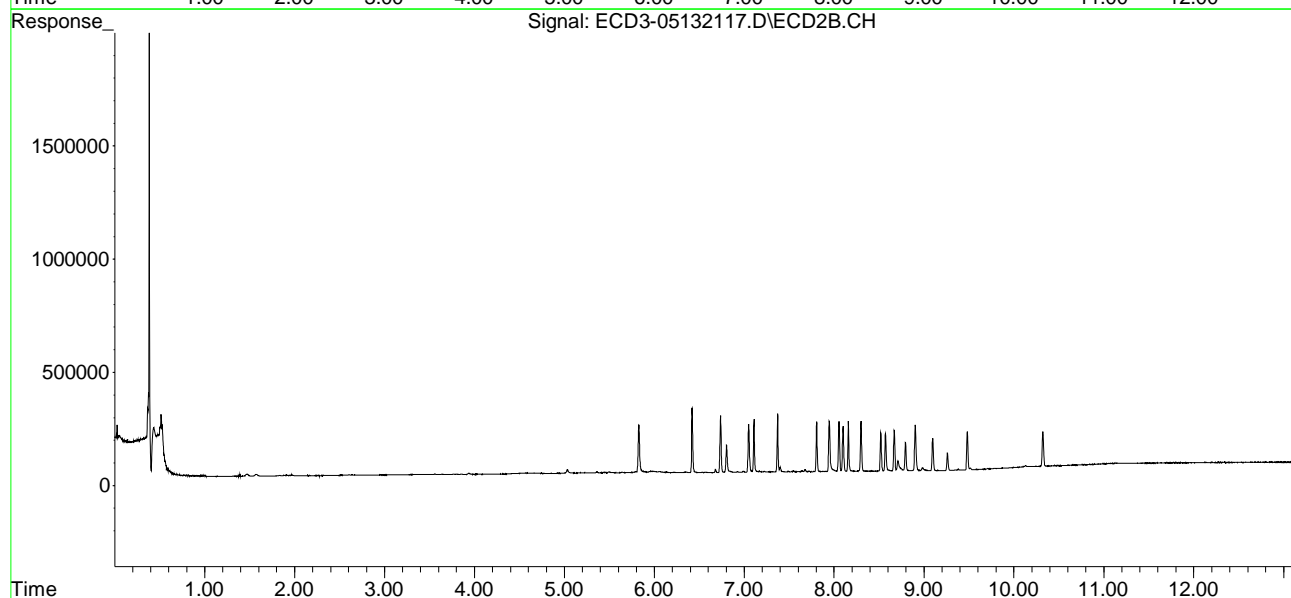
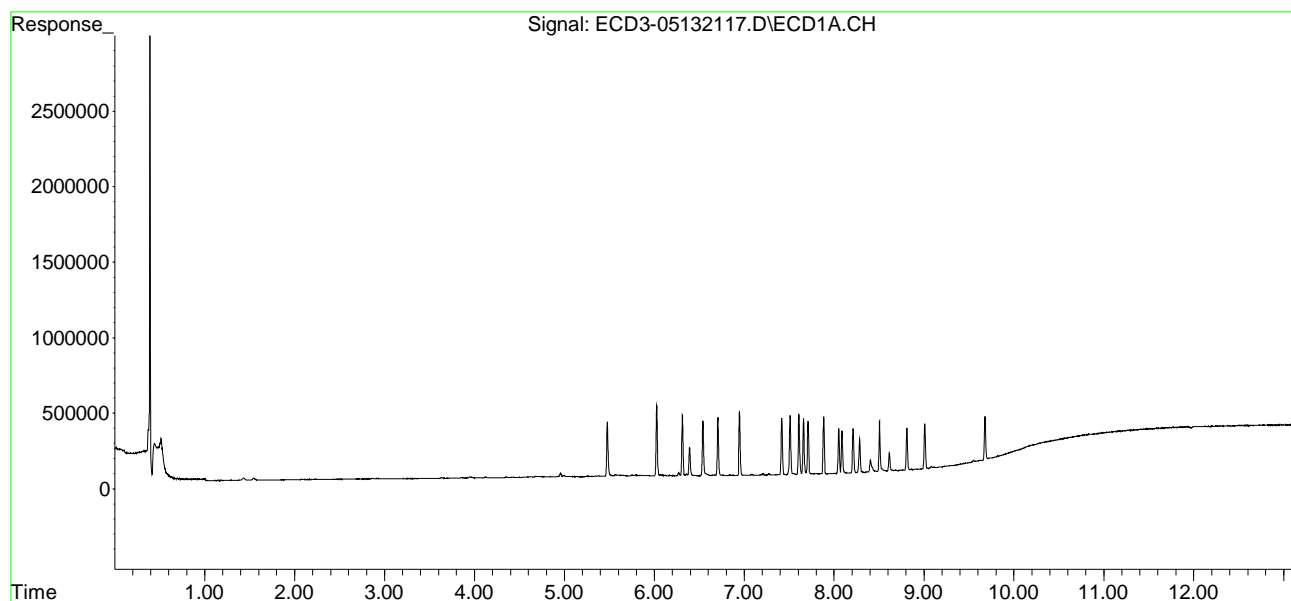
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 14:08
Operator : MJB
Sample : 1E13026-CAL3
Misc : A21B419, AB 2 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: May 14 10:58:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 10:50:22 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132118.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:26
 Operator : MJB
 Sample : 1E13026-CAL4
 Misc : A21B420, AB 5 ppb
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:58:47 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	829089	488662	4.009	3.716
22) S DCBP (S)	9.677	10.319	645734	347381	4.787	4.730
Target Compounds						
2) a-BHC	6.026	6.421	1166330	712280	4.217	4.069
3) g-BHC	6.311	6.735	1005417	611412	4.135	4.038
4) b-BHC	6.391	6.803	448601	282430	4.069	3.962
5) Heptachlor	6.707	7.108	955384	563621	4.342	4.339
6) d-BHC	6.541	7.050	882762	527943	3.670	3.559
7) Aldrin	6.949	7.369	1015141	608511	4.460	4.341
8) Heptachlo...	7.417	7.804	907091	540794	4.423	4.335
9) trans-Chl...	7.509	7.945	934724	546587	4.428	4.289
10) cis-Chlor...	7.607	8.051	925111	537254	4.515	4.391
11) Endosulfa...	7.708	8.099	841286	493770	4.436	4.313
12) 4,4'-DDE	7.660	8.157	908229	537025	4.233	4.085
13) Dieldrin	7.882	8.297	939922	544763	4.538	4.242
14) Endrin	8.050	8.519	733658	418569	4.542	4.570
15) 4,4'-DDD	8.087	8.569	696451	411165	3.814	3.867
16) Endosulfa...	8.210	8.666	700177	412524	4.261	4.073
17) 4,4'-DDT	8.283	8.793	554198	301505	3.825	3.954
18) Endrin Al...	8.504	8.901	599258	355167	3.472	3.585
19) Endosulfa...	8.808	9.094	652998	347520	4.064	3.848
20) Methoxychlor	8.615	9.259	283579	177908	3.868	4.639
21) Endrin Ke...	9.006	9.481	734985	408591	4.181	3.980
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132118.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:26
 Operator : MJB
 Sample : 1E13026-CAL4
 Misc : A21B420, AB 5 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: May 14 10:58:47 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

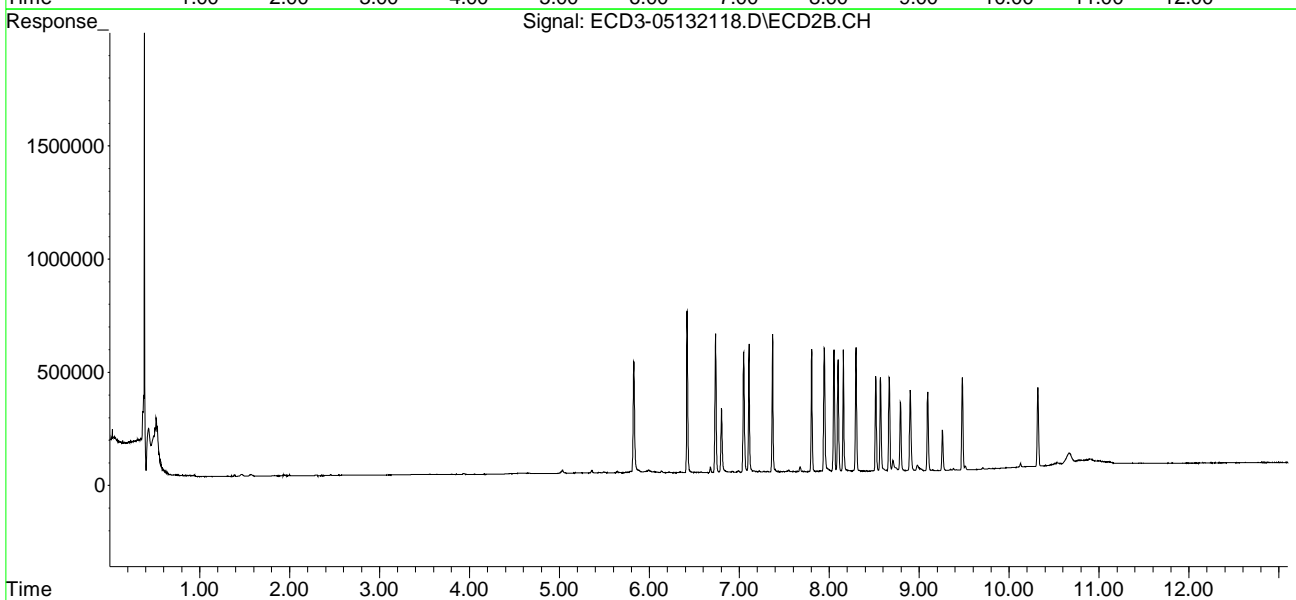
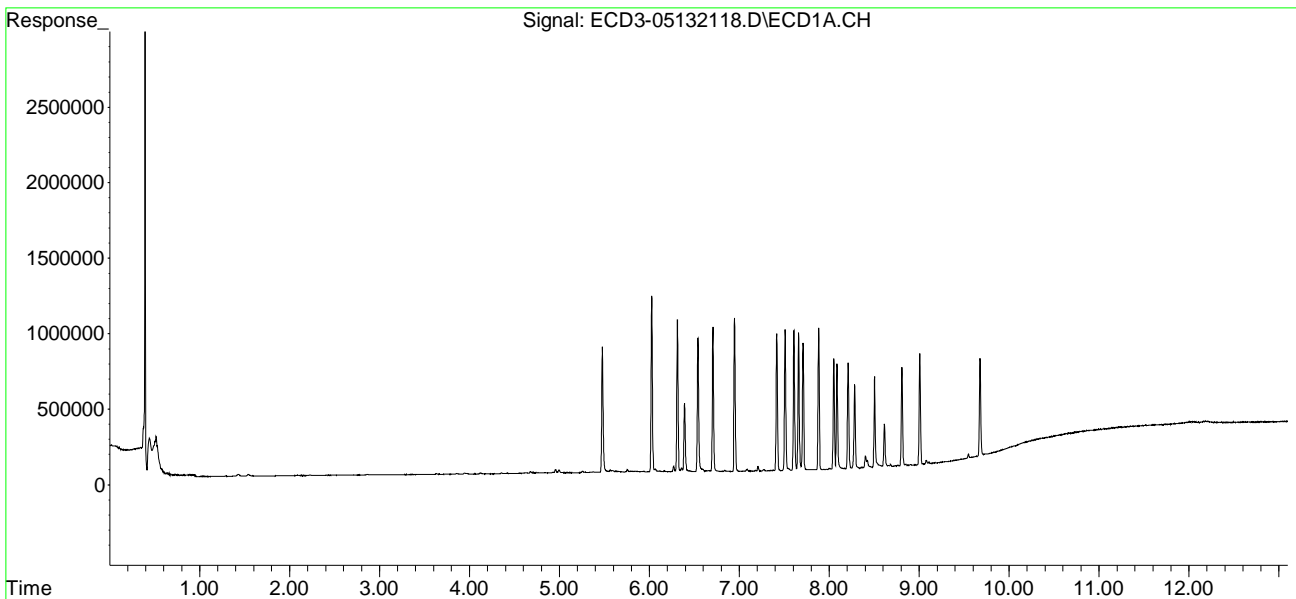
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 14:26
Operator : MJB
Sample : 1E13026-CAL4
Misc : A21B420, AB 5 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: May 14 10:58:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 10:50:22 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132119.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:43
 Operator : MJB
 Sample : 1E13026-CAL5
 Misc : A21B421, AB 10 ppb
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:59:21 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	1681968	986281	8.133	7.662
22) S DCBP (S)	9.678	10.319	1253986	650390	9.464	9.065
Target Compounds						
2) a-BHC	6.027	6.421	2353113	1473466	8.509	8.418
3) g-BHC	6.311	6.735	1995433	1242774	8.207	8.208
4) b-BHC	6.391	6.803	867133	541194	8.187	7.909
5) Heptachlor	6.708	7.108	1893588	1135711	8.606	8.744
6) d-BHC	6.541	7.050	1835548	1127560	7.630	7.807
7) Aldrin	6.949	7.370	2114259	1269725	9.289	9.058
8) Heptachlo...	7.417	7.805	1805153	1054424	9.027	8.654
9) trans-Chl...	7.510	7.945	1871181	1121168	9.026	9.035
10) cis-Chlor...	7.607	8.052	1833411	1051212	9.205	8.818
11) Endosulfa...	7.708	8.099	1666393	969773	8.998	8.670
12) 4,4'-DDE	7.660	8.157	1845570	1065407	8.773	8.278
13) Dieldrin	7.882	8.297	1851121	1085560	9.114	8.615
14) Endrin	8.050	8.520	1450120	845929	9.149	9.400
15) 4,4'-DDD	8.088	8.570	1381303	819756	7.763	7.913
16) Endosulfa...	8.210	8.667	1427769	840002	8.959	8.544
17) 4,4'-DDT	8.283	8.793	1107872	622265	7.646	8.161
18) Endrin Al...	8.504	8.901	1135857	689100	7.431	7.840
19) Endosulfa...	8.809	9.095	1274489	686141	8.209	7.879
20) Methoxychlor	8.615	9.259	554664	340852	7.755	9.019
21) Endrin Ke...	9.007	9.481	1424146	784044	8.345	8.201
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132119.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 14:43
 Operator : MJB
 Sample : 1E13026-CAL5
 Misc : A21B421, AB 10 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: May 14 10:59:21 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

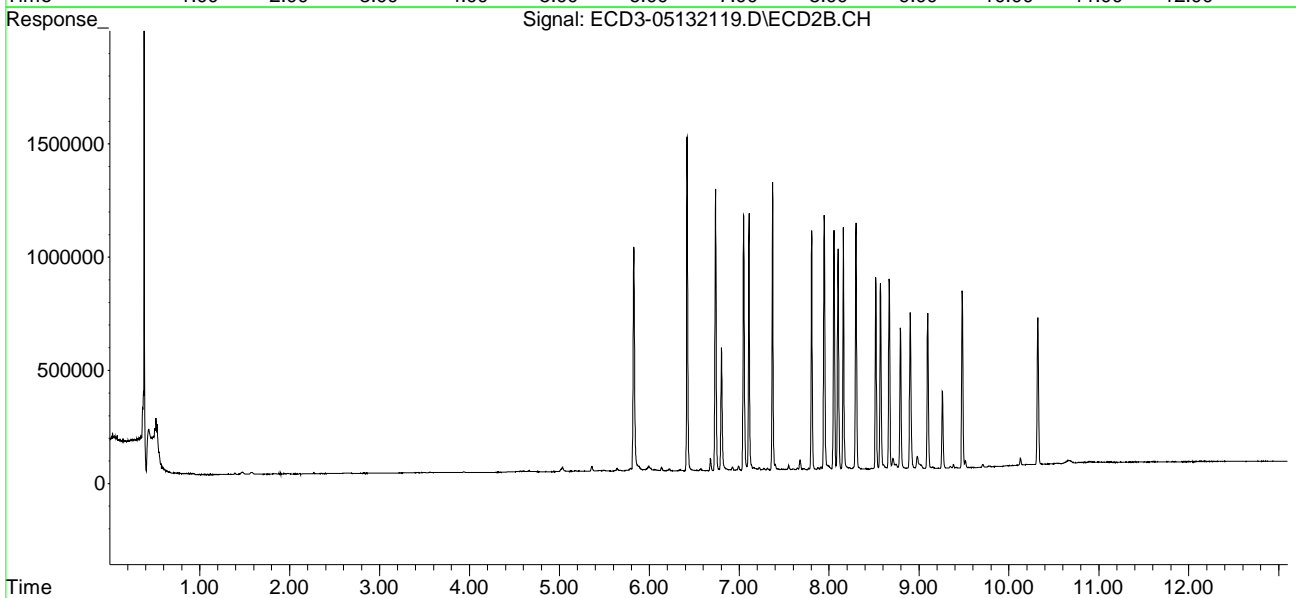
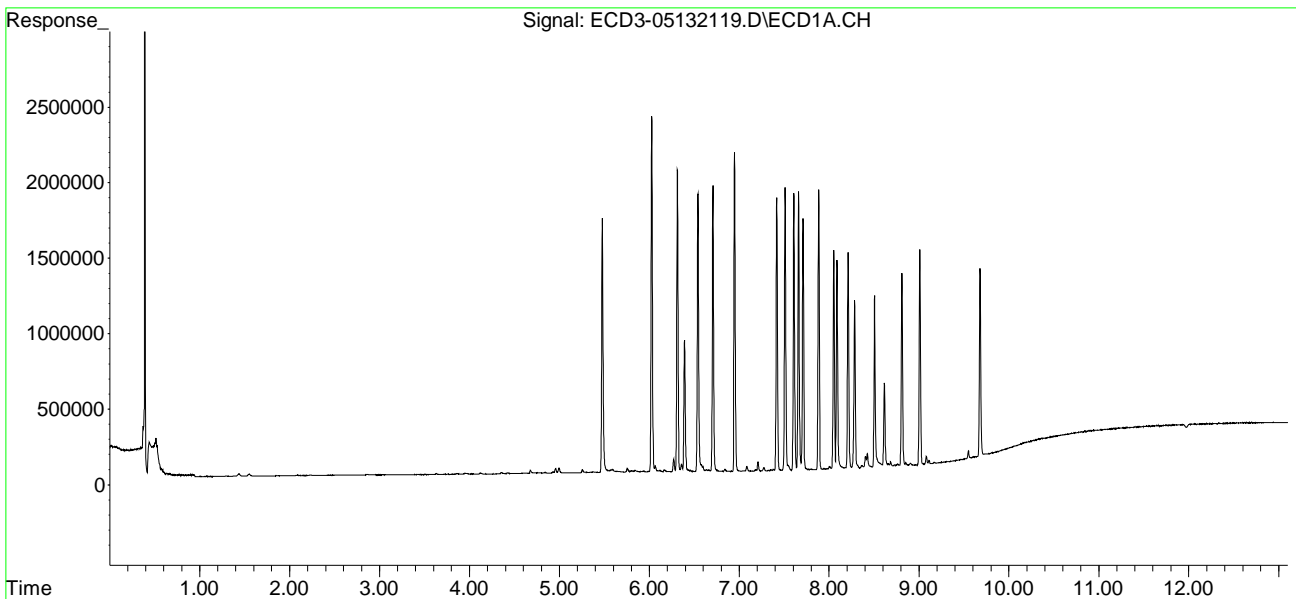
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 14:43
Operator : MJB
Sample : 1E13026-CAL5
Misc : A21B421, AB 10 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: May 14 10:59:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 10:50:22 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132120.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:01
 Operator : MJB
 Sample : 1E13026-CAL6
 Misc : A21B422, AB 25 ppb
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:59:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.829	4041058	2418491	19.539	19.119
22) S DCBP (S)	9.678	10.321	2943632	1598548	22.486	22.719
Target Compounds						
2) a-BHC	6.027	6.422	5654187	3534499	20.445	20.192
3) g-BHC	6.312	6.735	4795578	2936034	19.723	19.392
4) b-BHC	6.391	6.802	2069705	1262299	20.032	18.971
5) Heptachlor	6.709	7.108	4317647	2624520	19.623	20.206
6) d-BHC	6.541	7.050	4432720	2732087	18.427	19.218
7) Aldrin	6.949	7.371	5038811	3026156	22.139	21.588
8) Heptachlo...	7.417	7.805	4235181	2539417	21.567	21.223
9) trans-Chl...	7.510	7.945	4493754	2623120	21.906	21.486
10) cis-Chlor...	7.607	8.052	4339610	2571360	22.126	21.986
11) Endosulfa...	7.709	8.100	3988421	2379053	21.890	21.621
12) 4,4'-DDE	7.660	8.157	4475814	2681774	21.492	21.168
13) Dieldrin	7.882	8.298	4514721	2667809	22.461	21.464
14) Endrin	8.050	8.519	3355545	1947378	21.380	21.815
15) 4,4'-DDD	8.088	8.570	3411456	2010968	19.430	19.704
16) Endosulfa...	8.210	8.667	3343667	2080485	21.307	21.514
17) 4,4'-DDT	8.283	8.794	2543696	1451718	17.554	19.038
18) Endrin Al...	8.505	8.901	2554711	1628555	17.886	19.829
19) Endosulfa...	8.809	9.094	3049379	1631456	20.022	19.077
20) Methoxychlor	8.615	9.259	1229433	763903	17.350	20.206
21) Endrin Ke...	9.007	9.482	3401034	1896485	20.229	20.552
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132120.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:01
 Operator : MJB
 Sample : 1E13026-CAL6
 Misc : A21B422, AB 25 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: May 14 10:59:58 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

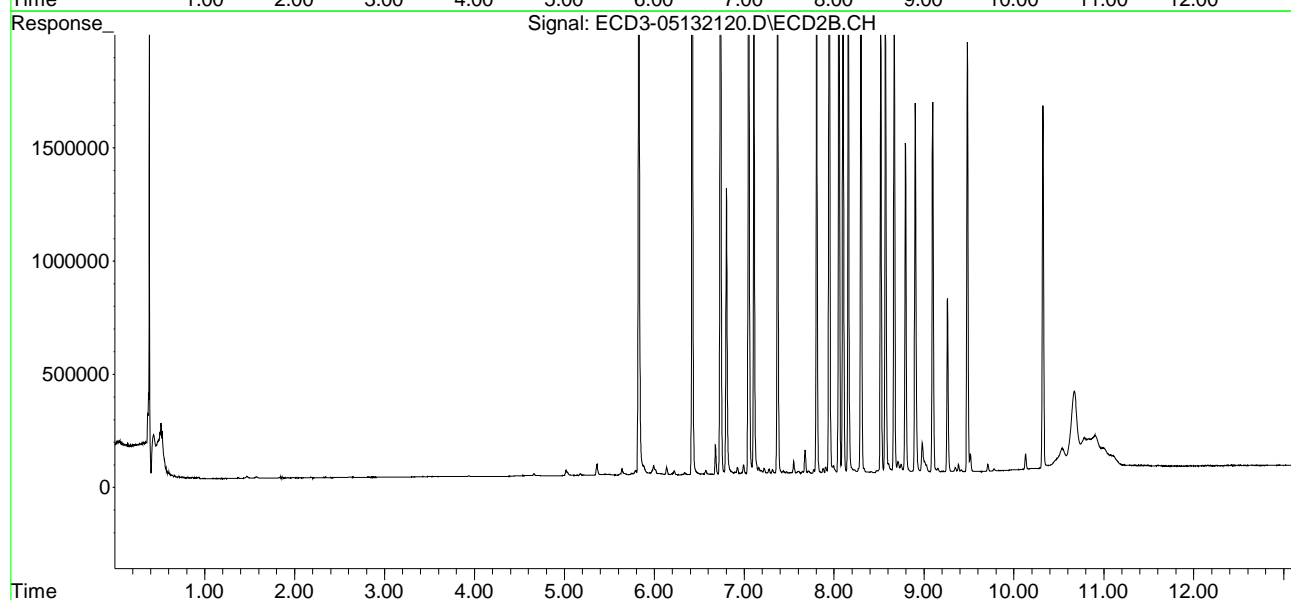
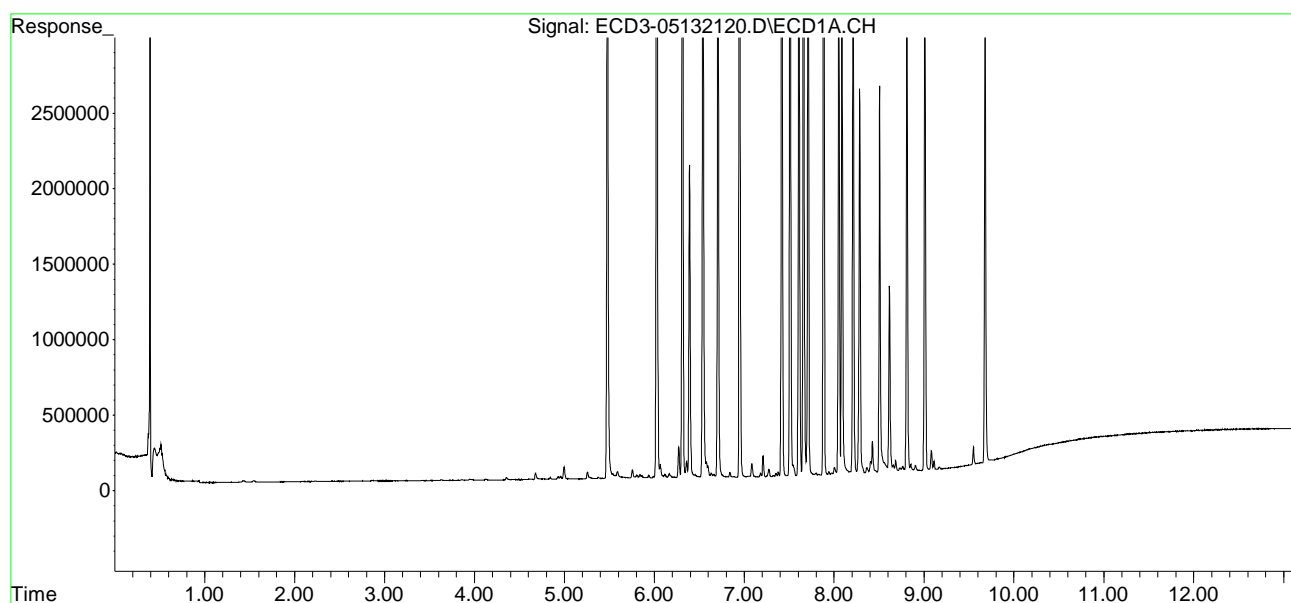
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 15:01
Operator : MJB
Sample : 1E13026-CAL6
Misc : A21B422, AB 25 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: May 14 10:59:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 10:50:22 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132121.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:18
 Operator : MJB
 Sample : 1E13026-CAL7
 Misc : A21B423, AB 50 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:50:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Thu Mar 04 12:27:53 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.479	5.828	8197310	4935558	39.635	39.626
22) S DCBP (S)	9.678	10.319	5999135	3136910	46.149	45.172
Target Compounds						
2) a-BHC	6.027	6.421	11665300	7181568	42.180	41.027
3) g-BHC	6.312	6.735	9996866	6040877	41.114	39.899
4) b-BHC	6.391	6.802	4273590	2605637	41.790	39.835
5) Heptachlor	6.709	7.108	8706022	5303055	39.568	40.828
6) d-BHC	6.541	7.049	9255499	5746503	38.475	40.831
7) Aldrin	6.949	7.370	10385019	6204211	45.629	44.259
8) Heptachlo...	7.417	7.805	8683698	5194085	44.841	44.004
9) trans-Chl...	7.509	7.944	9265556	5613316	45.363	46.475
10) cis-Chlor...	7.607	8.051	8910334	5229200	45.617	45.283
11) Endosulfa...	7.708	8.099	8168842	4929170	45.302	45.262
12) 4,4'-DDE	7.660	8.156	9470572	5561023	45.557	44.369
13) Dieldrin	7.882	8.297	9291671	5457158	46.296	44.310
14) Endrin	8.049	8.519	6860232	4019883	43.809	45.051
15) 4,4'-DDD	8.087	8.568	7128862	4236713	40.640	41.721
16) Endosulfa...	8.209	8.666	6961477	4370229	44.544	45.430
17) 4,4'-DDT	8.282	8.793	5301714	2976329	36.588	39.032
18) Endrin Al...	8.504	8.901	5272768	3288404	37.861	41.086
19) Endosulfa...	8.808	9.094	6218470	3470240	41.024	40.628
20) Methoxychlor	8.614	9.259	2476210	1497379	34.791	39.008
21) Endrin Ke...	9.006	9.480	6909122	3977610	41.111	43.063
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132121.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 15:18
 Operator : MJB
 Sample : 1E13026-CAL7
 Misc : A21B423, AB 50 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 10:50:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Thu Mar 04 12:27:53 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

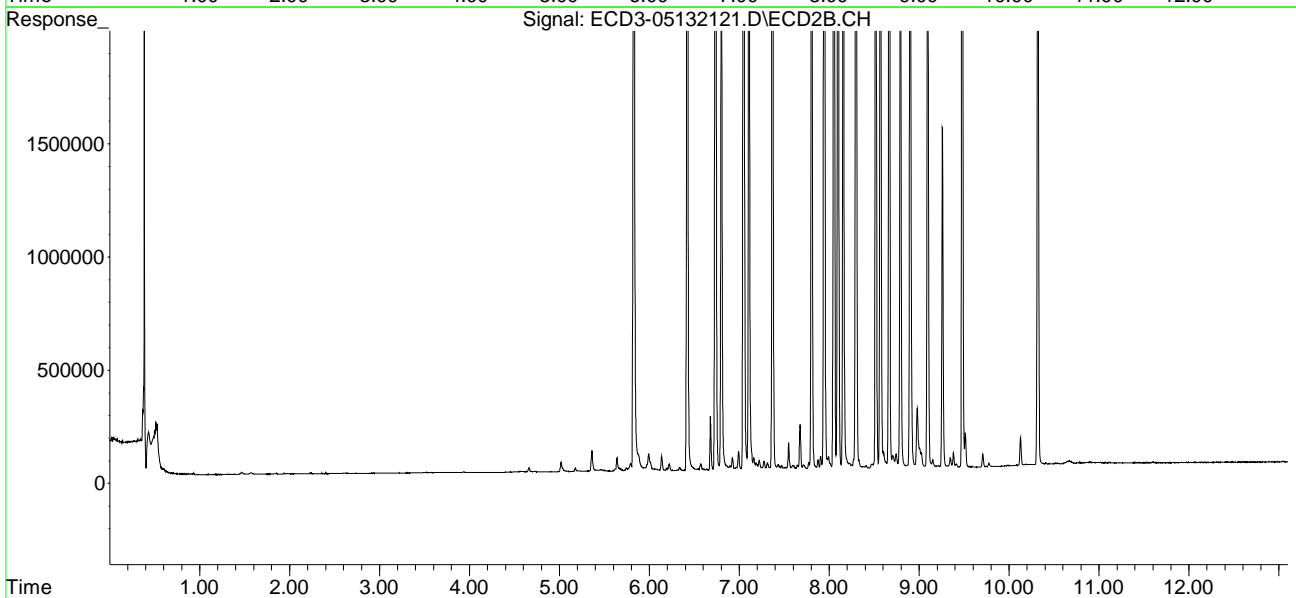
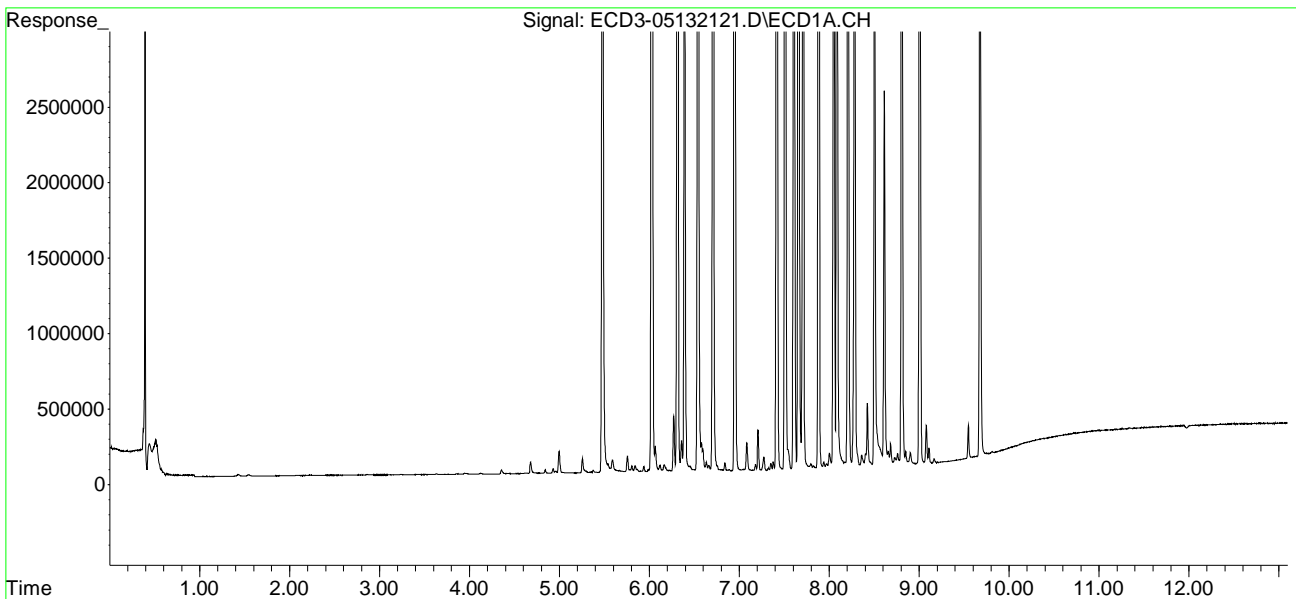
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 15:18
Operator : MJB
Sample : 1E13026-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 10:50:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132126.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 16:45
 Operator : MJB
 Sample : 1E13026-CAL9
 Misc : A21B418, AB 200 ppb
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:02:19 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	5.480	5.828	34056935	20120875	164.671	175.657
22) S DCBP (S)	9.678	10.319	25328049	12788887	199.454	195.814
Target Compounds						
2) a-BHC	6.029	6.421	49800415	28437697	180.071	162.459
3) g-BHC	6.313	6.735	42731255	24656111	175.739	162.851
4) b-BHC	6.391	6.802	17843201	10971221	177.216	178.408
5) Heptachlor	6.709	7.108	35197533	20757615	159.971	159.812
6) d-BHC	6.541	7.049	41280234	23592046	171.603	173.901
7) Aldrin	6.950	7.370	42870748	24669634	188.362	175.987
8) Heptachlo...	7.418	7.804	35179760	20783799	193.343	187.147
9) trans-Chl...	7.510	7.945	39398279	21601434	194.087	185.004
10) cis-Chlor...	7.607	8.051	37225759	20845867	189.087	190.138
11) Endosulfa...	7.709	8.099	33786120	19741394	194.984	188.255
12) 4,4'-DDE	7.660	8.157	39453106	21894557	187.658	182.453
13) Dieldrin	7.882	8.298	39060048	22178371	191.965	186.940
14) Endrin	8.050	8.519	27792491	15990928	175.955	176.224
15) 4,4'-DDD	8.087	8.568	32062883	17667687	178.127	174.177
16) Endosulfa...	8.210	8.666	29581482	18162401	187.492	188.848
17) 4,4'-DDT	8.283	8.793	23387597	13209700	161.401	173.235
18) Endrin Al...	8.505	8.900	23795141	14457548	172.220	186.703
19) Endosulfa...	8.809	9.094	27236725	15230453	177.532	171.946
20) Methoxychlor	8.614	9.258	11077816	6813580	146.451	158.418
21) Endrin Ke...	9.007	9.481	31612382	17506022	181.357	174.497
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132126.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 16:45
 Operator : MJB
 Sample : 1E13026-CAL9
 Misc : A21B418, AB 200 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: May 14 11:02:19 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

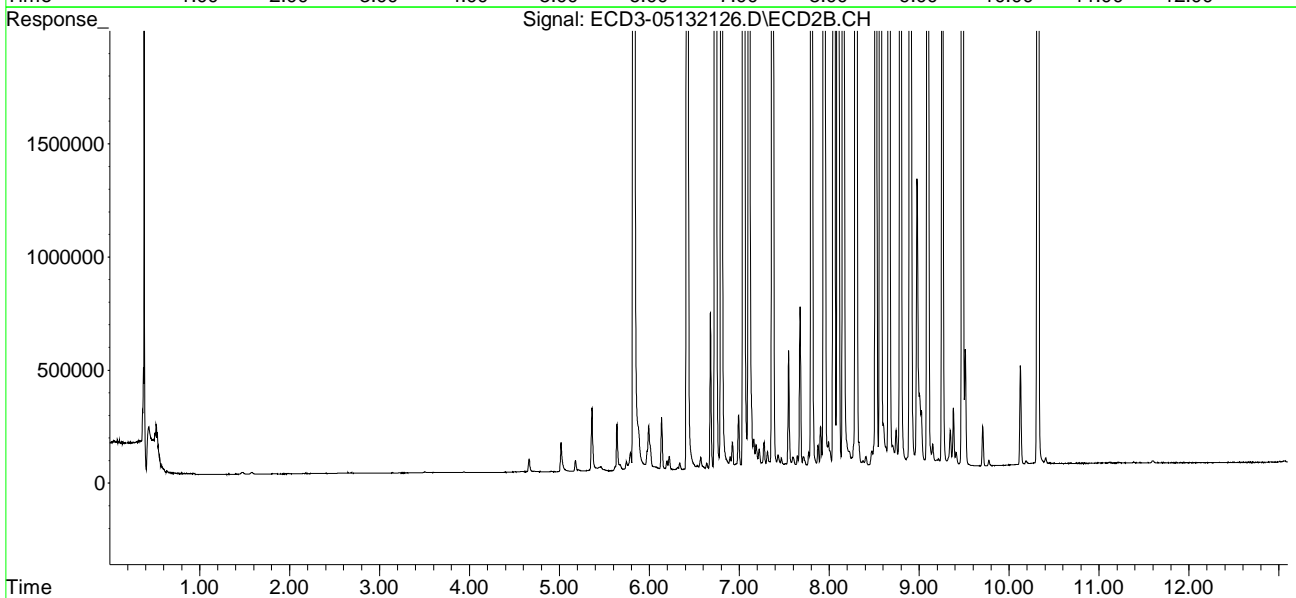
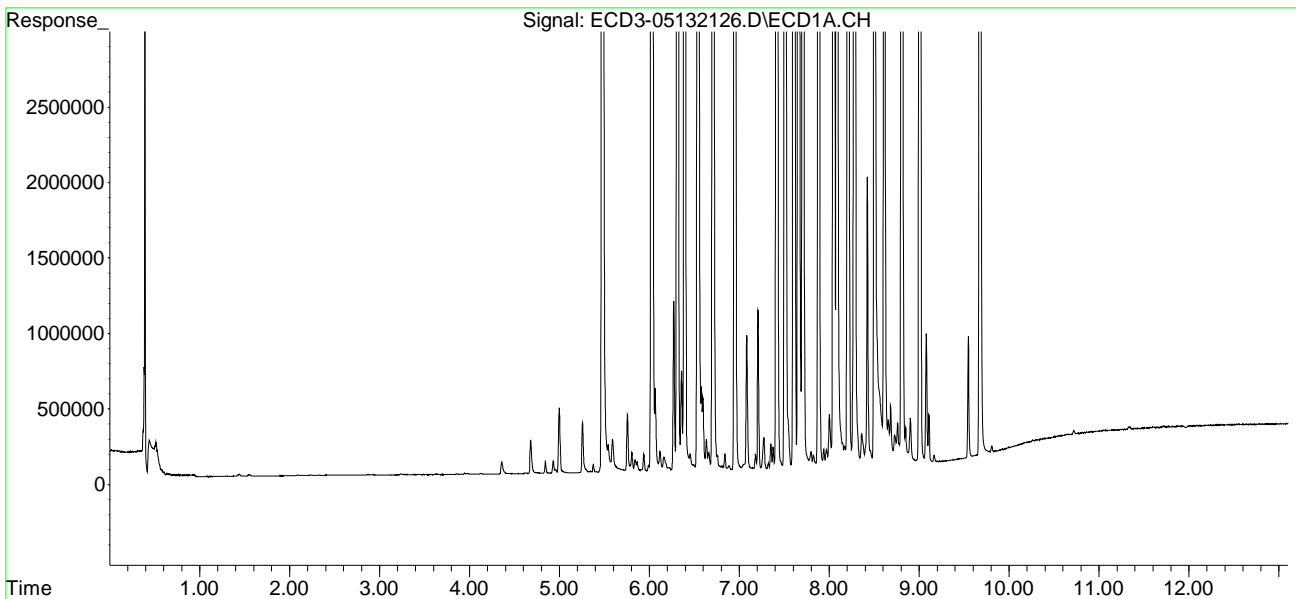
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 16:45
Operator : MJB
Sample : 1E13026-CAL9
Misc : A21B418, AB 200 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: May 14 11:02:19 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 10:50:22 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132129.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:37
 Operator : MJB
 Sample : 1E13026-CALA
 Misc : A21E233, 9-42 0.5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:04:59 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.280	3.545	114904	85857	0.485	0.399
24) Hexachlor...	5.863	6.291	111719	66822	0.368	0.332
25) Oxychlorane	7.341	7.736	126670	76256	0.664	0.659
26) 2,4'-DDE	7.409	7.933	91273	58102	0.623	0.633
27) trans-Non...	7.595	8.011	143303	90296	0.652	0.699
28) 2,4'-DDD	7.787	8.304	81354	52260	0.597	0.462
29) 2,4'-DDT	7.967	8.525	73831	42686	0.648	0.673

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132129.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:37
 Operator : MJB
 Sample : 1E13026-CALA
 Misc : A21E233, 9-42 0.5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:04:59 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

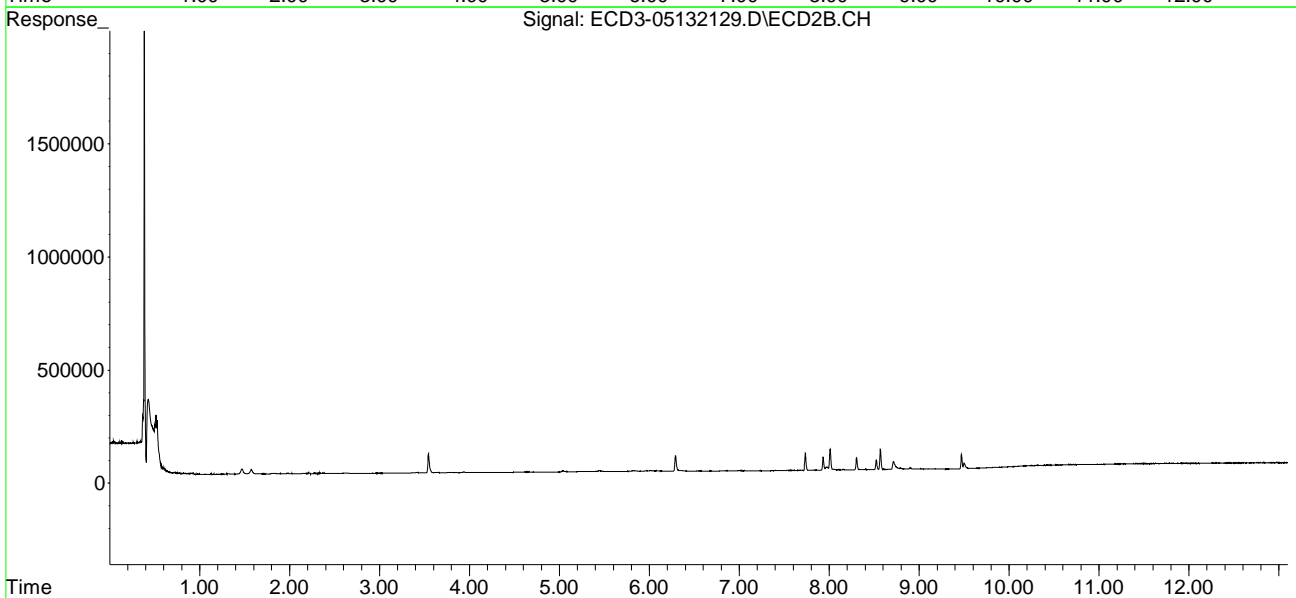
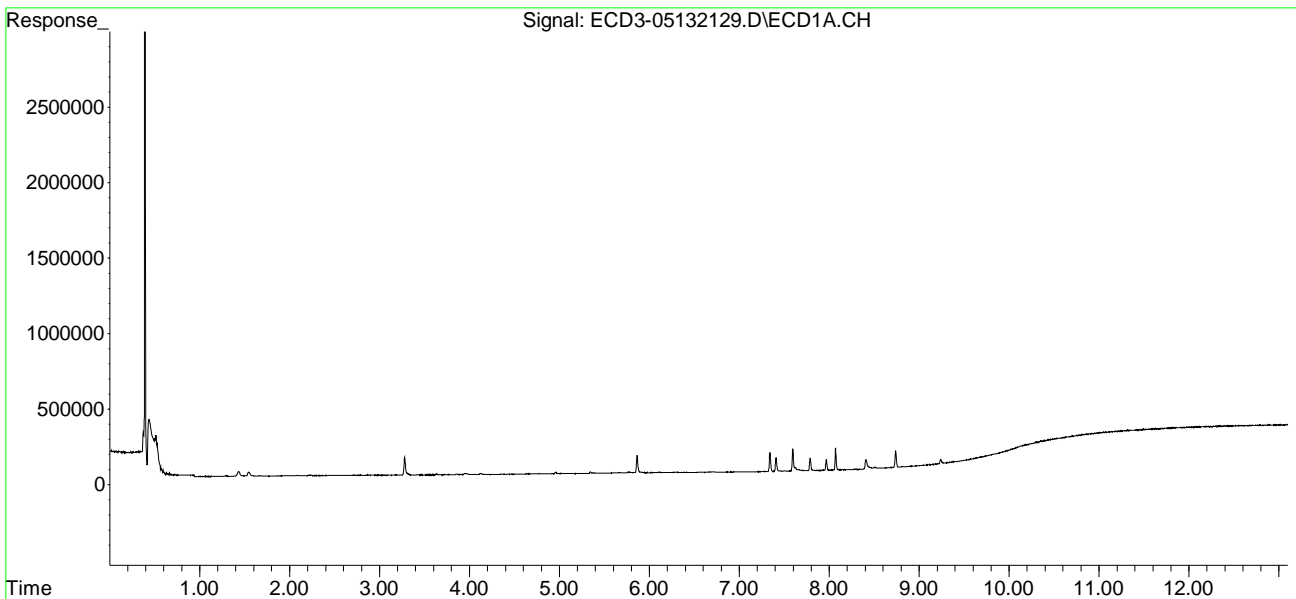
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.569	147196	89678	0.641	0.663
31)	Mirex	8.738	9.471	107763	63791	0.472	0.560
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:37
Operator : MJB
Sample : 1E13026-CALA
Misc : A21E233, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 11:04:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132130.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:55
 Operator : MJB
 Sample : 1E13026-CALB
 Misc : A21C326, 9-42 1 ppb
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:05:28 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.280	3.545	214430	162107	0.904	0.858
24) Hexachlor...	5.864	6.291	215748	123974	0.858	0.749
25) Oxychlorane	7.342	7.736	236452	139591	1.240	1.206
26) 2,4'-DDE	7.410	7.933	178837	108074	1.220	1.177
27) trans-Non...	7.595	8.011	272210	166010	1.239	1.286
28) 2,4'-DDD	7.787	8.304	153093	95600	1.124	1.023
29) 2,4'-DDT	7.967	8.524	128520	74762	1.128	1.178

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132130.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 17:55
 Operator : MJB
 Sample : 1E13026-CALB
 Misc : A21C326, 9-42 1 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: May 14 11:05:28 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

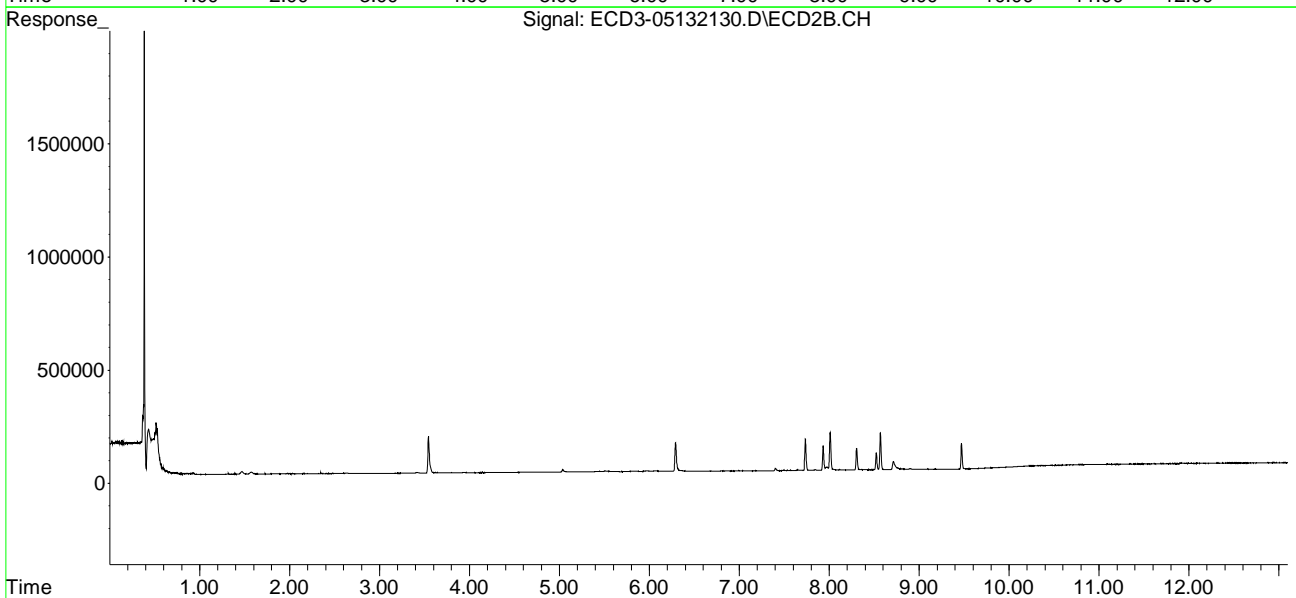
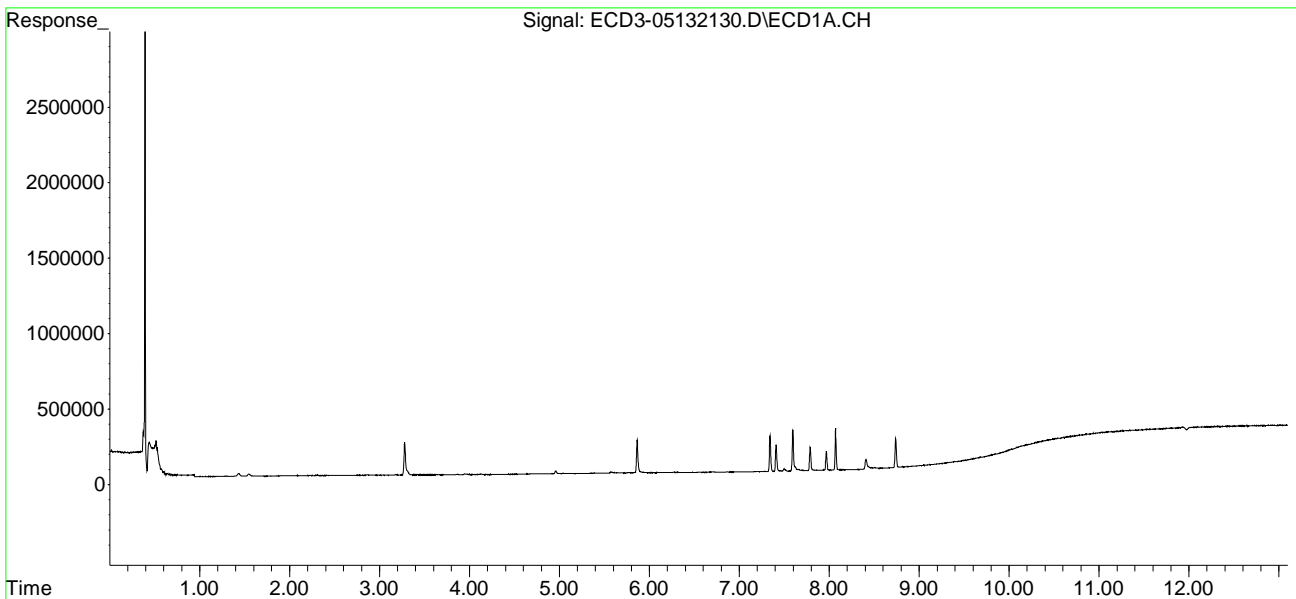
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	277379	163577	1.207	1.209
31)	Mirex	8.738	9.472	193987	112928	1.146	1.233
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 17:55
Operator : MJB
Sample : 1E13026-CALB
Misc : A21C326, 9-42 1 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: May 14 11:05:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132131.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:12
 Operator : MJB
 Sample : 1E13026-CALC
 Misc : A21C327, 9-42 2 ppb
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:06:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.282	3.547	391212	285400	1.650	1.600
24) Hexachlor...	5.864	6.291	367166	213035	1.571	1.400
25) Oxychlorane	7.341	7.736	334530	197102	1.755	1.702
26) 2,4'-DDE	7.409	7.933	256444	156945	1.750	1.710
27) trans-Non...	7.595	8.012	383855	234297	1.748	1.815
28) 2,4'-DDD	7.787	8.303	221117	135036	1.623	1.533
29) 2,4'-DDT	7.967	8.524	179793	105176	1.579	1.657

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132131.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:12
 Operator : MJB
 Sample : 1E13026-CALC
 Misc : A21C327, 9-42 2 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: May 14 11:06:02 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

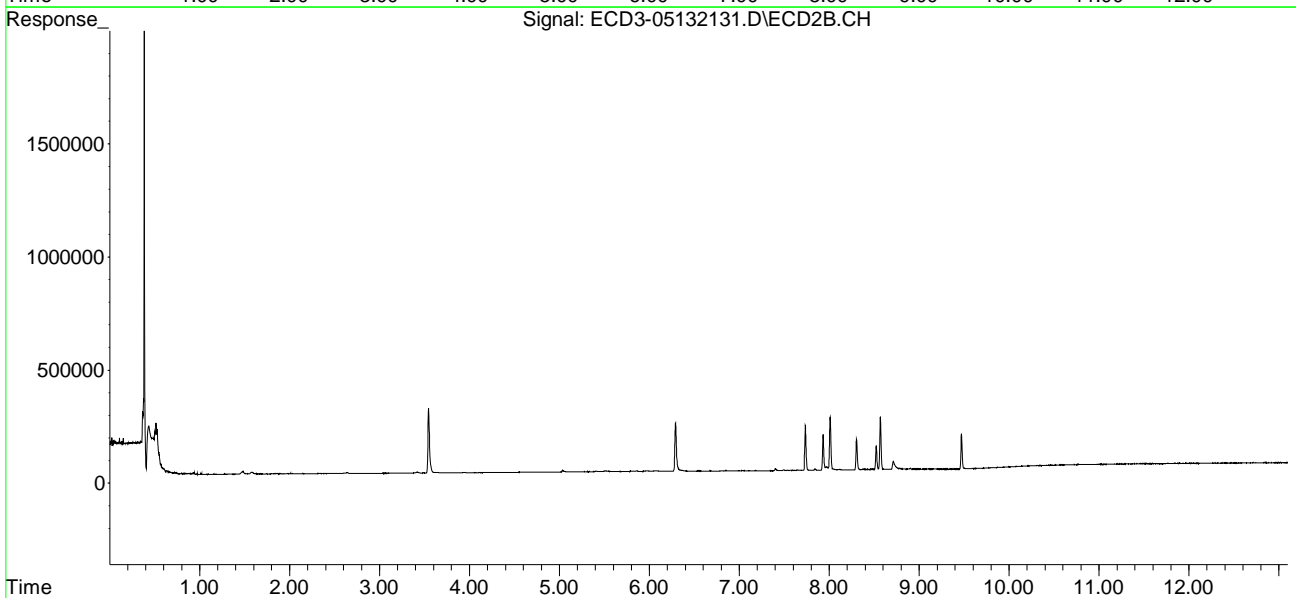
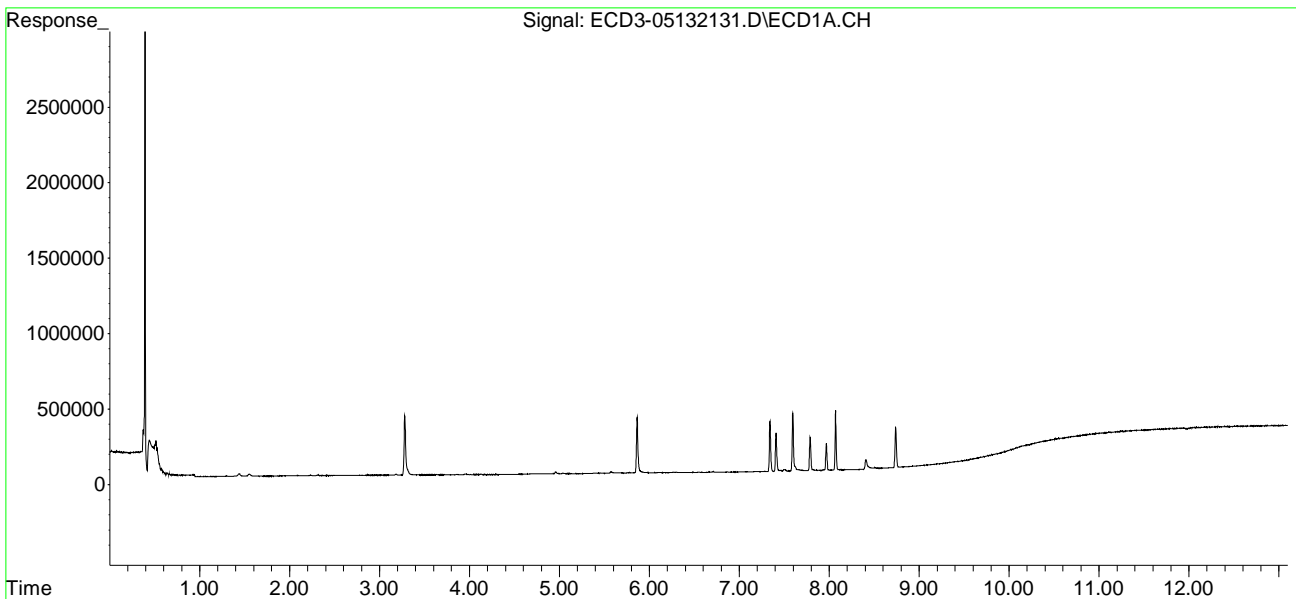
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	393687	231094	1.713	1.708
31)	Mirex	8.738	9.471	268365	155396	1.728	1.814
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 18:12
Operator : MJB
Sample : 1E13026-CALC
Misc : A21C327, 9-42 2 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: May 14 11:06:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132132.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:30
 Operator : MJB
 Sample : 1E13026-CALD
 Misc : A21C328, 9-42 5 ppb
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:06:50 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.281	3.546	865313	641847	3.650	3.752
24) Hexachlor...	5.864	6.291	844644	494548	3.821	3.462
25) Oxychlorane	7.342	7.736	724994	434614	3.803	3.754
26) 2,4'-DDE	7.410	7.933	594594	364052	4.058	3.966
27) trans-Non...	7.596	8.012	864447	518979	3.935	4.020
28) 2,4'-DDD	7.788	8.303	489699	291072	3.595	3.554
29) 2,4'-DDT	7.968	8.524	353725	207327	3.106	3.267

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132132.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:30
 Operator : MJB
 Sample : 1E13026-CALD
 Misc : A21C328, 9-42 5 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: May 14 11:06:50 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

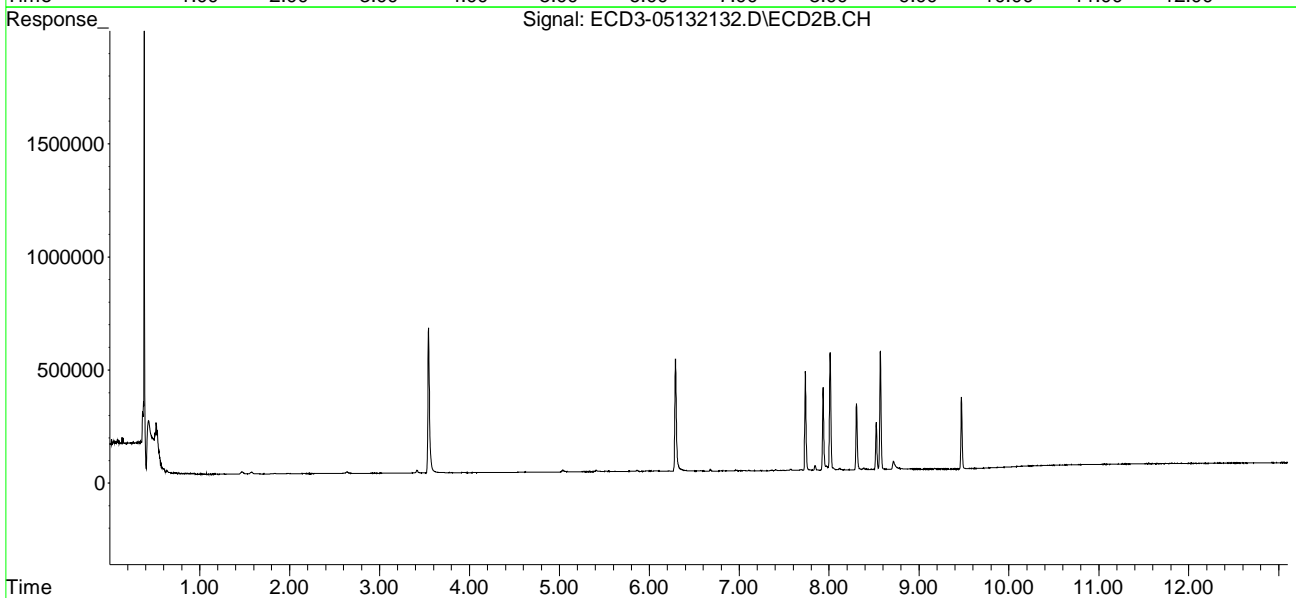
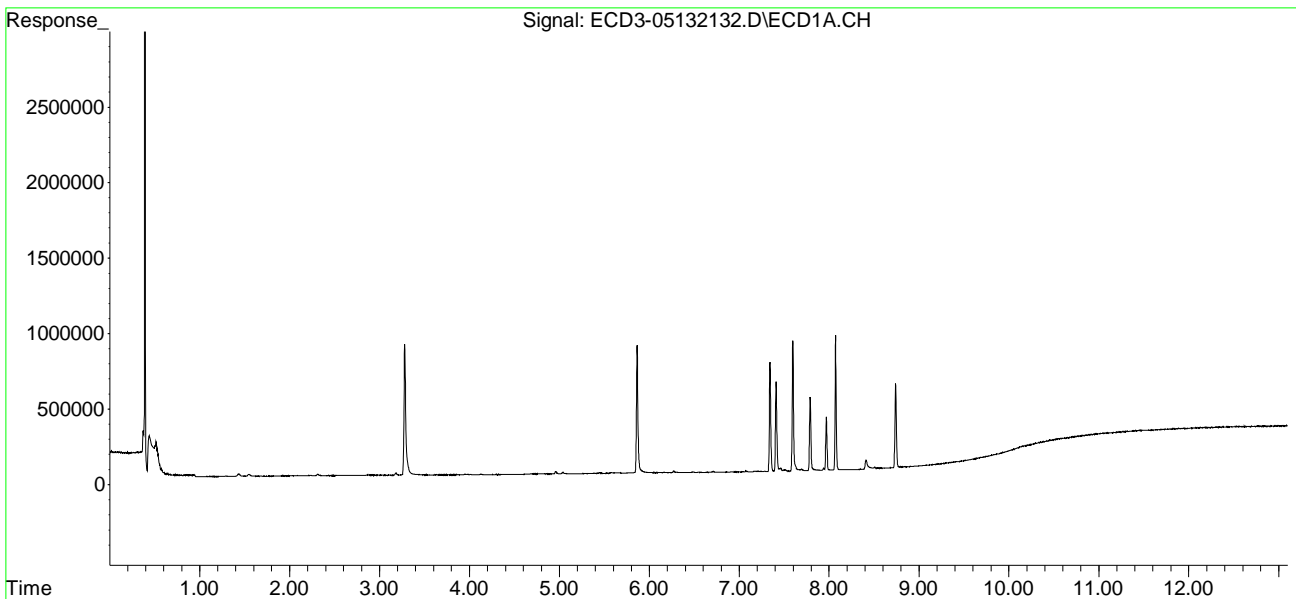
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	891375	520021	3.880	3.843
31)	Mirex	8.738	9.471	555798	318113	3.973	4.041
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 18:30
Operator : MJB
Sample : 1E13026-CALD
Misc : A21C328, 9-42 5 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: May 14 11:06:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132133.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:47
 Operator : MJB
 Sample : 1E13026-CALE
 Misc : A21C329, 9-42 10 ppb
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:07:22 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.281	3.546	1807155	1287318	7.622	7.667
24) Hexachlor...	5.864	6.291	1696981	1022033	7.838	7.339
25) Oxychlorane	7.341	7.736	1591687	938205	8.349	8.104
26) 2,4'-DDE	7.410	7.933	1206190	729823	8.232	7.950
27) trans-Non...	7.595	8.012	1838937	1078206	8.372	8.351
28) 2,4'-DDD	7.787	8.303	1051481	626399	7.720	7.899
29) 2,4'-DDT	7.967	8.524	933973	542774	8.201	8.552

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132133.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 18:47
 Operator : MJB
 Sample : 1E13026-CALE
 Misc : A21C329, 9-42 10 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: May 14 11:07:22 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

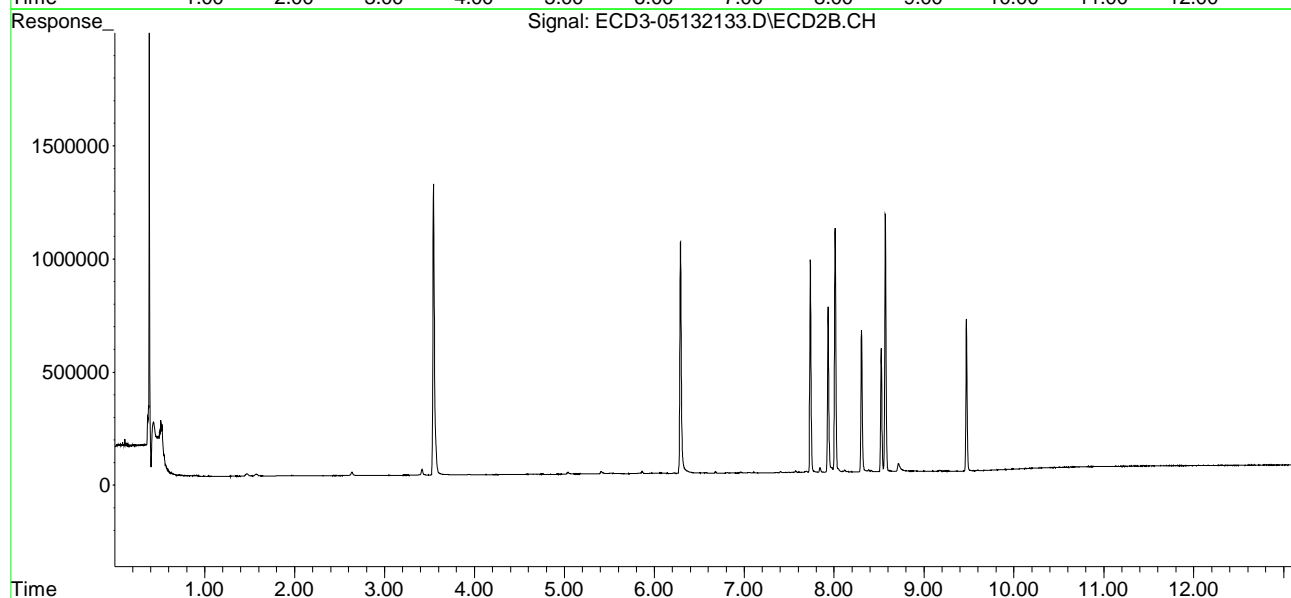
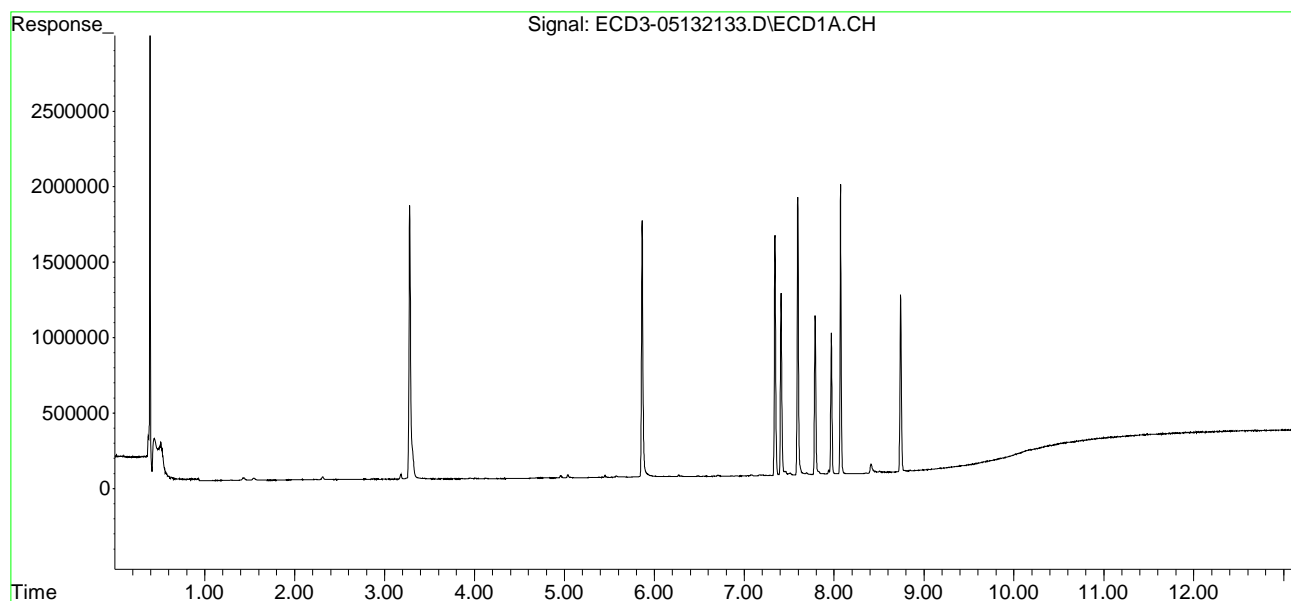
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	1918012	1136343	8.348	8.397
31)	Mirex	8.738	9.471	1167813	671908	8.748	8.882
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 18:47
Operator : MJB
Sample : 1E13026-CALE
Misc : A21C329, 9-42 10 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: May 14 11:07:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132134.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:04
 Operator : MJB
 Sample : 1E13026-CALF
 Misc : A21C330, 9-42 25 ppb
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:07:52 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.281	3.546	4282612	3046392	18.063	18.461
24) Hexachlor...	5.864	6.290	4135923	2458895	19.346	18.001
25) Oxychlorane	7.342	7.736	3678903	2202001	19.297	19.019
26) 2,4'-DDE	7.410	7.933	2935773	1765278	20.035	19.229
27) trans-Non...	7.595	8.011	4399415	2597710	20.029	20.120
28) 2,4'-DDD	7.787	8.303	2483248	1528853	18.232	19.609
29) 2,4'-DDT	7.967	8.524	2108924	1261397	18.517	19.874

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132134.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:04
 Operator : MJB
 Sample : 1E13026-CALF
 Misc : A21C330, 9-42 25 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: May 14 11:07:52 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

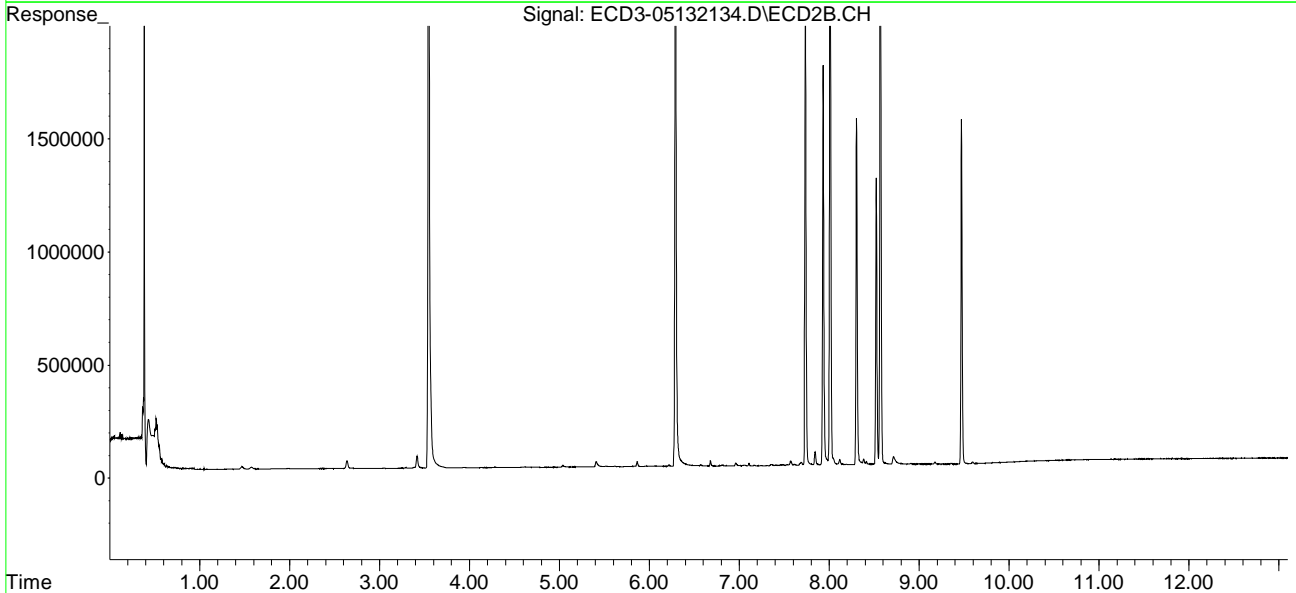
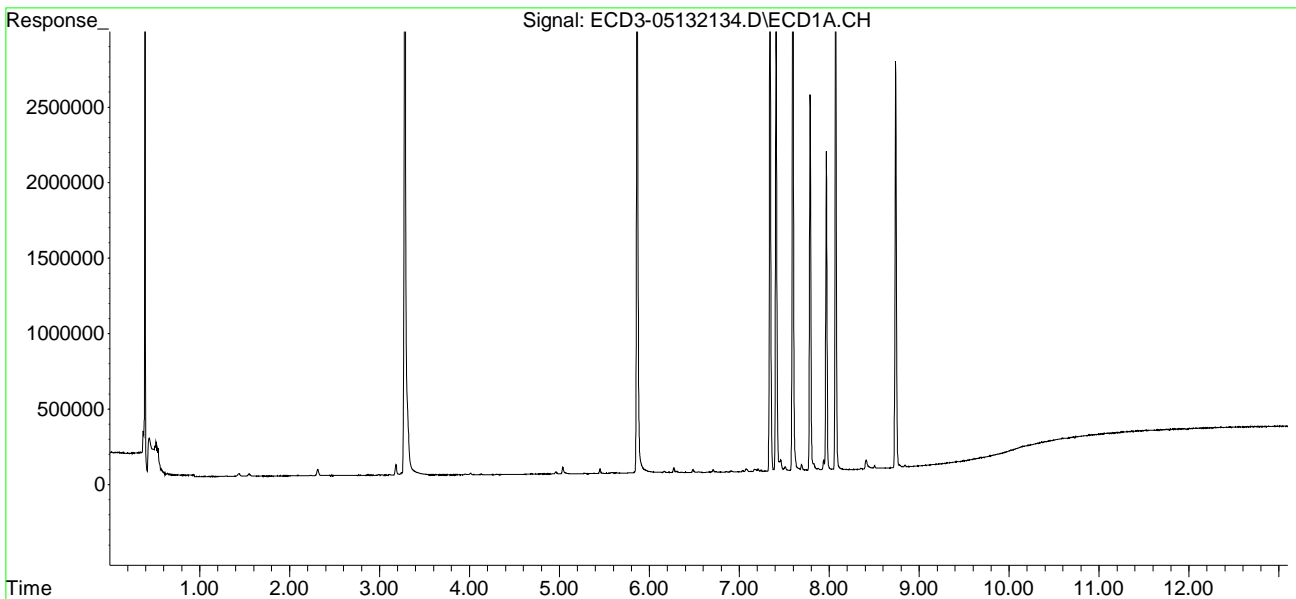
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	4524155	2680783	19.691	19.810
31)	Mirex	8.738	9.471	2687924	1521789	20.569	20.503
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 19:04
Operator : MJB
Sample : 1E13026-CALF
Misc : A21C330, 9-42 25 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: May 14 11:07:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132135.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:22
 Operator : MJB
 Sample : 1E13026-CALG
 Misc : A21C331, 9-42 50 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:04:01 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.281	3.546	8094762	5769547	34.142	35.551
24) Hexachlor...	5.864	6.290	8188157	4968778	38.501	36.993
25) Oxychlorane	7.341	7.736	7365900	4452891	38.637	38.461
26) 2,4'-DDE	7.410	7.933	5774569	3549291	39.409	38.662
27) trans-Non...	7.595	8.012	8533264	5159251	38.848	39.959
28) 2,4'-DDD	7.786	8.304	5048037	3054443	37.063	39.458
29) 2,4'-DDT	7.967	8.525	4397259	2587749	38.610	40.772

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132135.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:22
 Operator : MJB
 Sample : 1E13026-CALG
 Misc : A21C331, 9-42 50 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:04:01 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 10:50:22 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

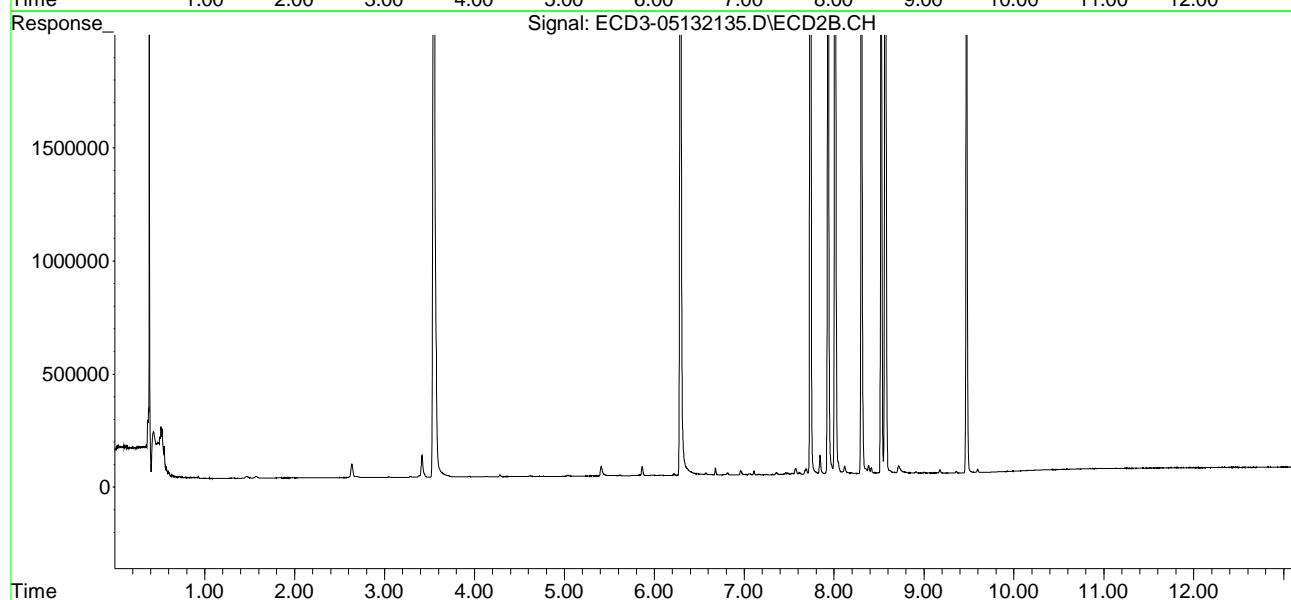
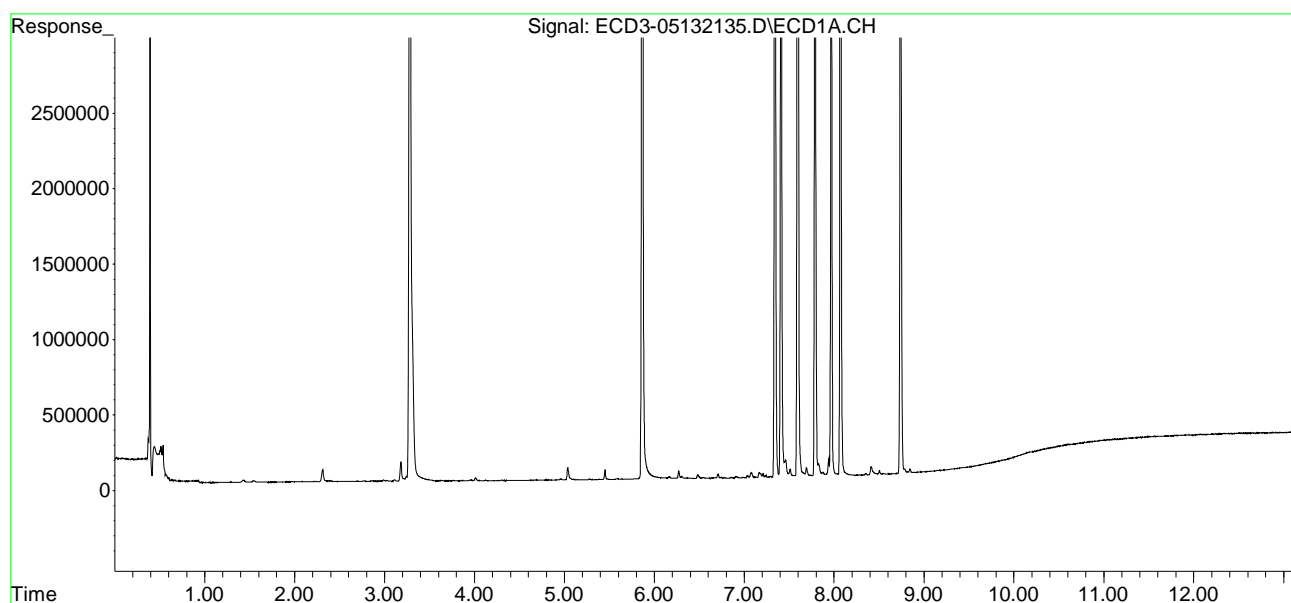
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	9110847	5299835	39.654	39.163
31)	Mirex	8.738	9.472	5345808	3049951	41.106	41.377
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 19:22
Operator : MJB
Sample : 1E13026-CALG
Misc : A21C331, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 11:04:01 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 10:50:22 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132136.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:39
 Operator : MJB
 Sample : 1E13026-CALH
 Misc : A21C332, 9-42 100 ppb
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:08:26 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.281	3.546	14810531	10374178	62.467	65.602
24) Hexachlor...	5.865	6.290	17136163	10268550	80.961	78.782
25) Oxychlorane	7.341	7.736	14803141	8654133	77.648	74.748
26) 2,4'-DDE	7.409	7.932	11882473	7216600	81.093	78.609
27) trans-Non...	7.595	8.011	17747747	10265495	80.798	79.508
28) 2,4'-DDD	7.786	8.302	10131799	6214250	74.389	80.781
29) 2,4'-DDT	7.967	8.523	8916550	5372929	78.291	84.655

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132136.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:39
 Operator : MJB
 Sample : 1E13026-CALH
 Misc : A21C332, 9-42 100 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: May 14 11:08:26 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

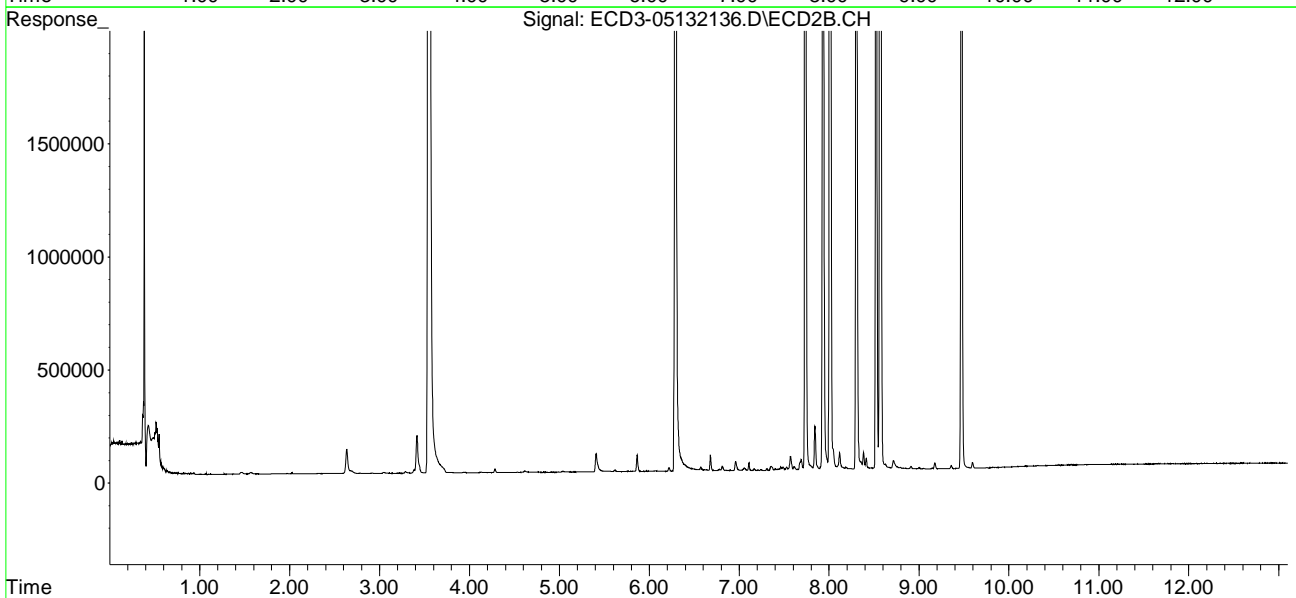
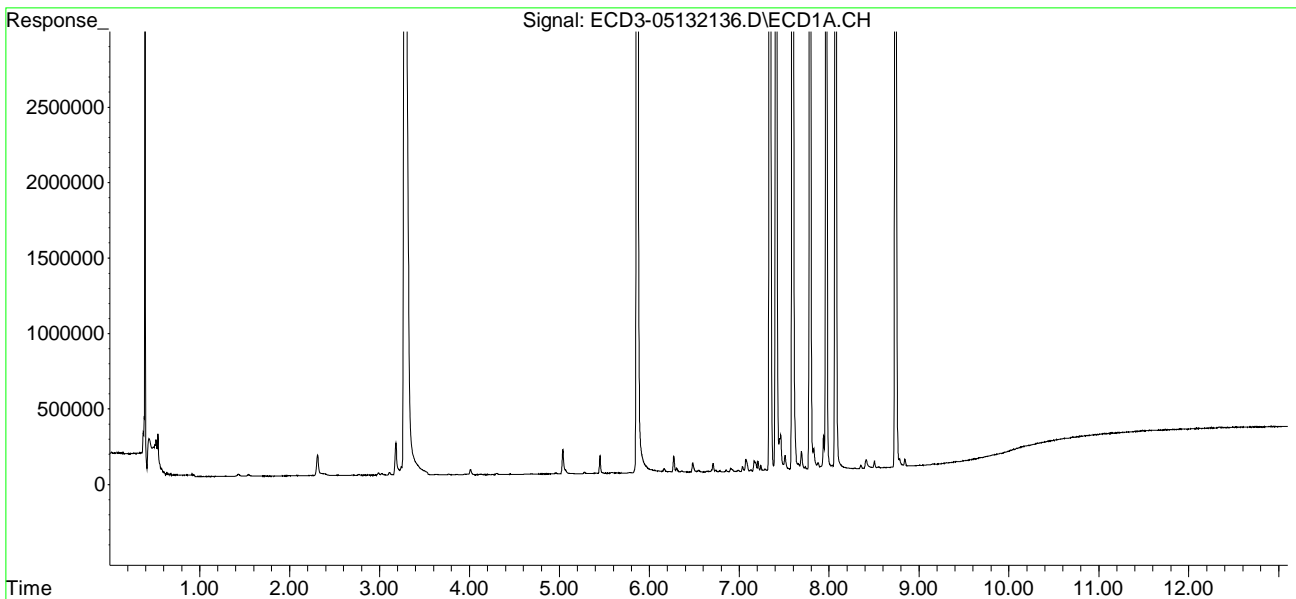
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.071	8.568	18760062	10723786	81.651	79.244
31)	Mirex	8.738	9.471	10985126	6116364	84.142	83.171
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 19:39
Operator : MJB
Sample : 1E13026-CALH
Misc : A21C332, 9-42 100 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: May 14 11:08:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132137.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:57
 Operator : MJB
 Sample : 1E13026-CALI
 Misc : A21C325, 9-42 200 ppb
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:10:42 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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...	3.282	3.547	33235848	21688268	140.180	147.147
24) Hexachlor...	5.865	6.289	35457986	19875693	168.613	161.691
25) Oxychlorane	7.341	7.735	30365968	17786633	159.280	153.627
26) 2,4'-DDE	7.408	7.932	24171006	14522255	164.957	158.188
27) trans-Non...	7.594	8.010	36970269	20815026	168.310	161.215
28) 2,4'-DDD	7.786	8.302	21680589	12829911	159.181	168.257
29) 2,4'-DDT	7.966	8.524	18827165	10987852	165.310	173.124

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132137.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 19:57
 Operator : MJB
 Sample : 1E13026-CALI
 Misc : A21C325, 9-42 200 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: May 14 11:10:42 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

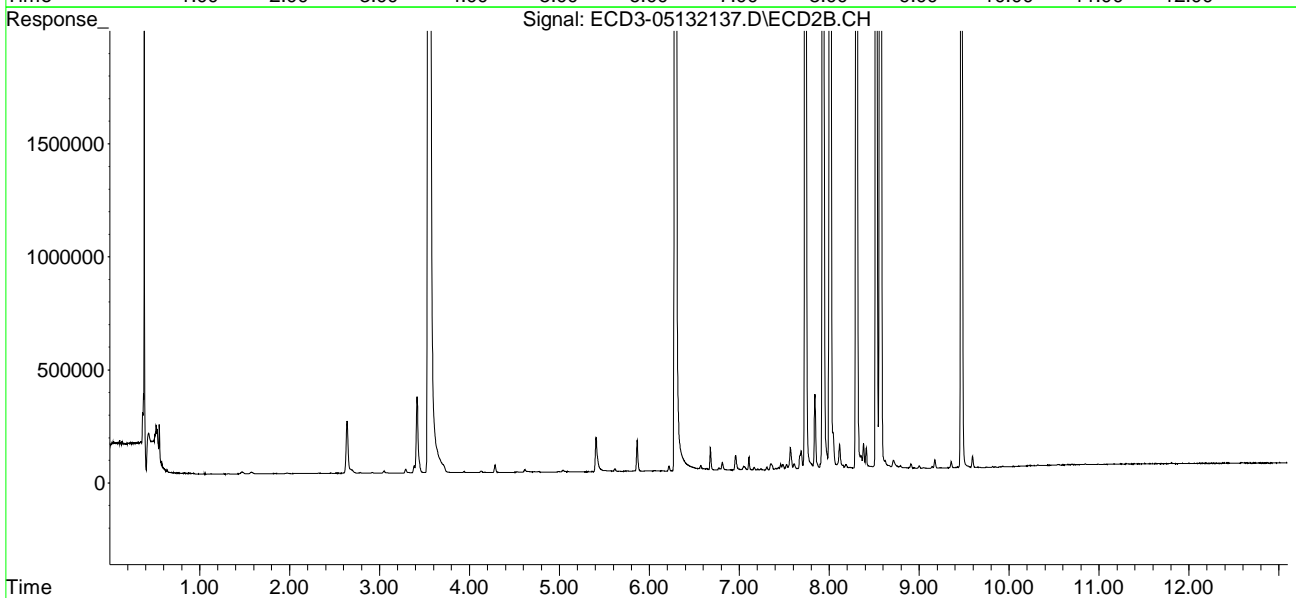
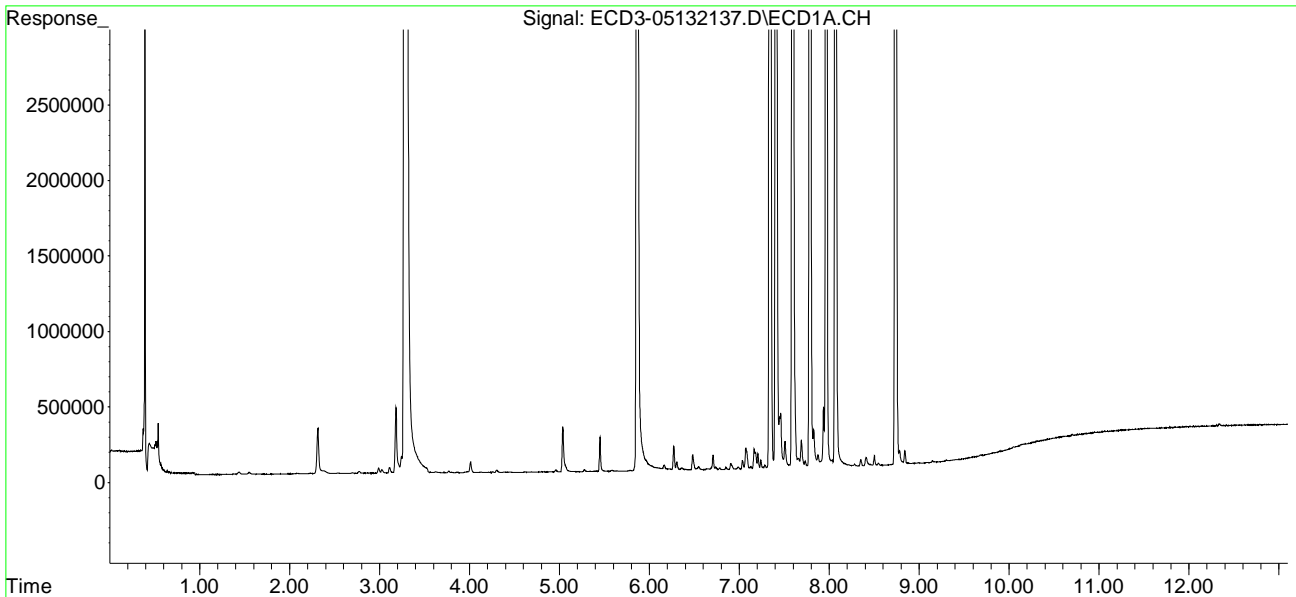
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.070	8.568	38450792	21265677	167.352	157.143
31)	Mirex	8.737	9.470	22827651	12584434	172.271	170.937
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. 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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 19:57
Operator : MJB
Sample : 1E13026-CALI
Misc : A21C325, 9-42 200 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: May 14 11:10:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132140.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:49
 Operator : MJB
 Sample : 1E13026-CALJ
 Misc : A21E234, CHLOR 10 ppb
 ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:13:03 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132140.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 20:49
 Operator : MJB
 Sample : 1E13026-CALJ
 Misc : A21E234, CHLOR 10 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: May 14 11:13:03 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

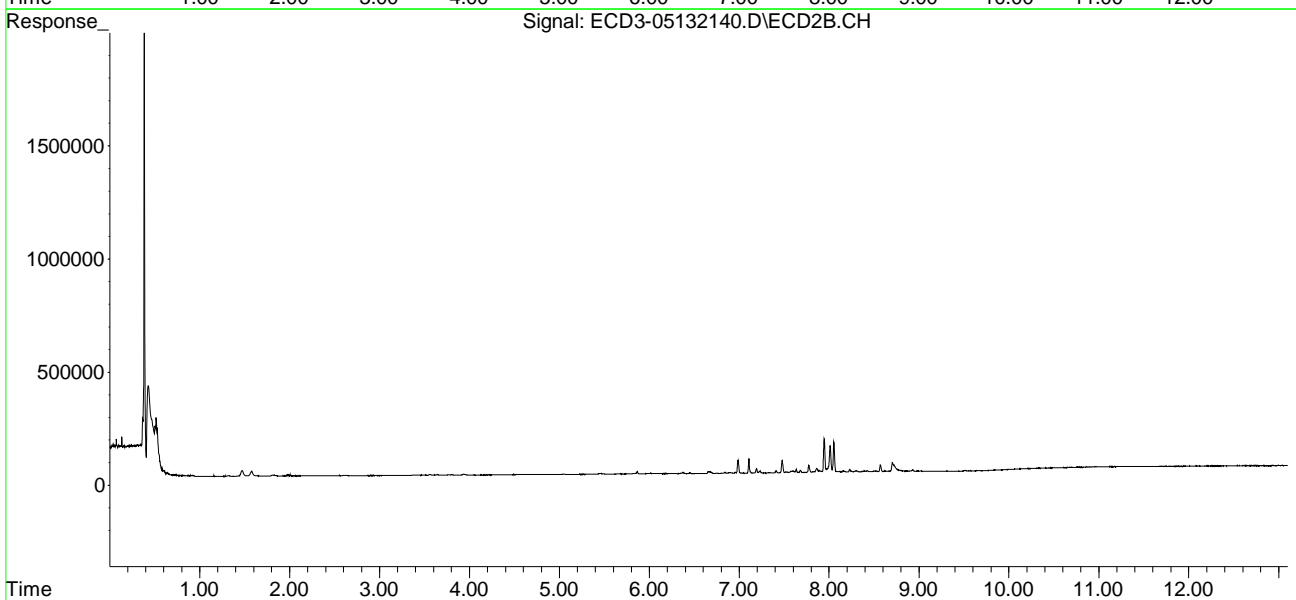
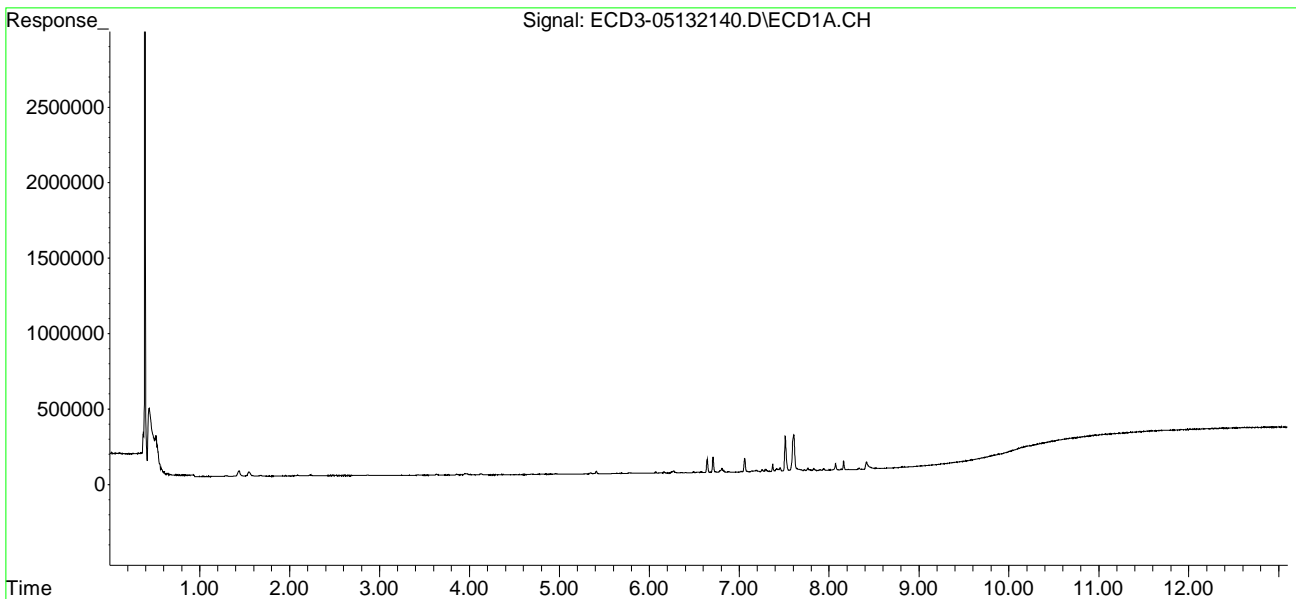
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.512	7.945	233479	145199	9.572	9.275
33)	Chlordane...	7.607	8.051	240918	131575	10.135	10.023
34)	Chlordane...	8.161	8.704	61174	38161	8.779	9.430
35)	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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 20:49
Operator : MJB
Sample : 1E13026-CALJ
Misc : A21E234, CHLOR 10 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: May 14 11:13:03 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:12:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132141.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:06
 Operator : MJB
 Sample : 1E13026-CALK
 Misc : A20L139, CHLOR 50 ppb
 ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:13:37 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132141.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:06
 Operator : MJB
 Sample : 1E13026-CALK
 Misc : A20L139, CHLOR 50 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: May 14 11:13:37 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

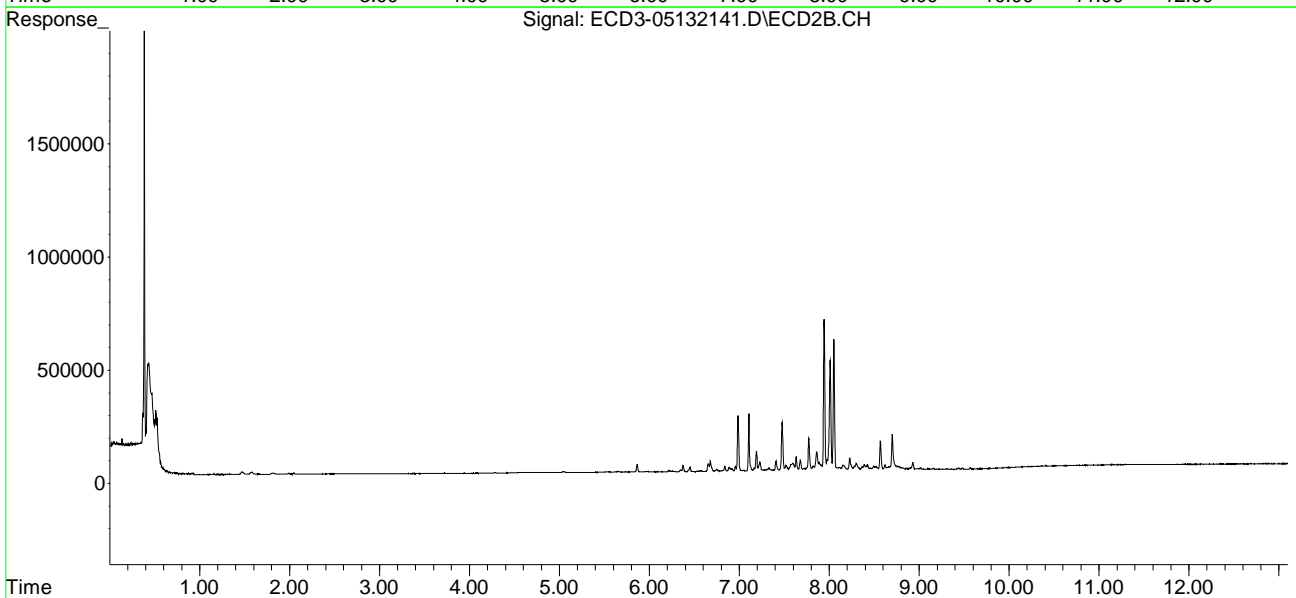
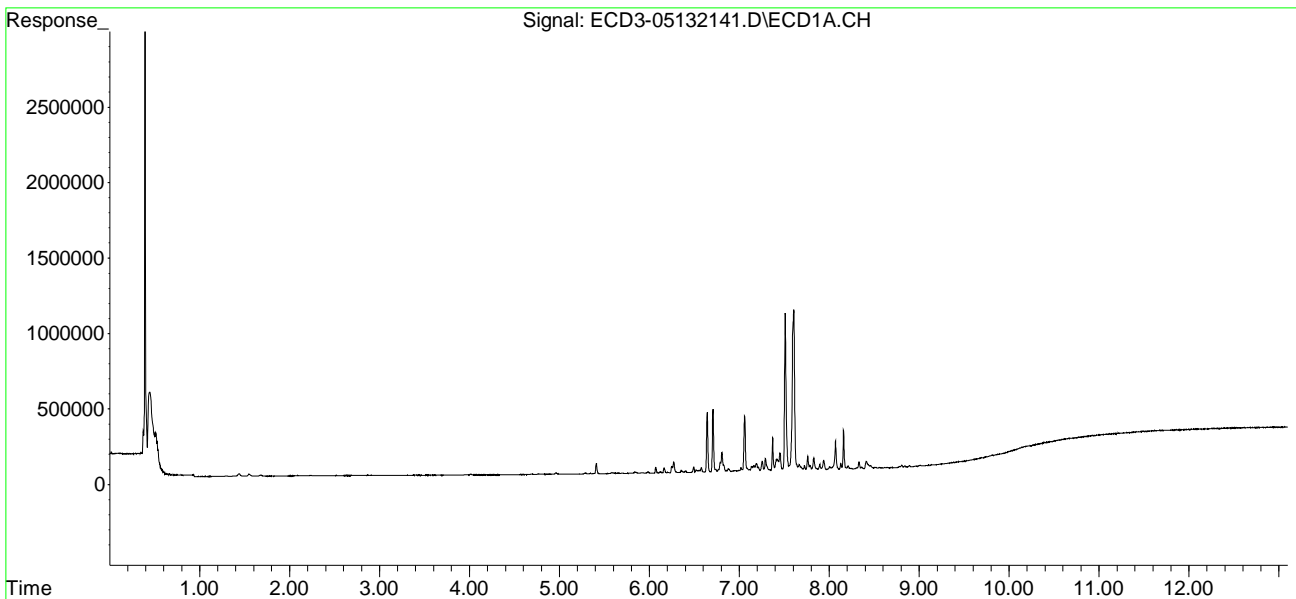
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.511	7.943	1040034	666720	42.640	42.587
33)	Chlordane...	7.606	8.050	1063697	578383	44.749	44.059
34)	Chlordane...	8.160	8.701	260571	156236	37.395	38.606
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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 21:06
Operator : MJB
Sample : 1E13026-CALK
Misc : A20L139, CHLOR 50 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: May 14 11:13:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:12:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132142.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:24
 Operator : MJB
 Sample : 1E13026-CALL
 Misc : A20L140, CHLOR 100 ppb
 ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:14:08 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132142.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:24
 Operator : MJB
 Sample : 1E13026-CALL
 Misc : A20L140, CHLOR 100 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: May 14 11:14:08 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

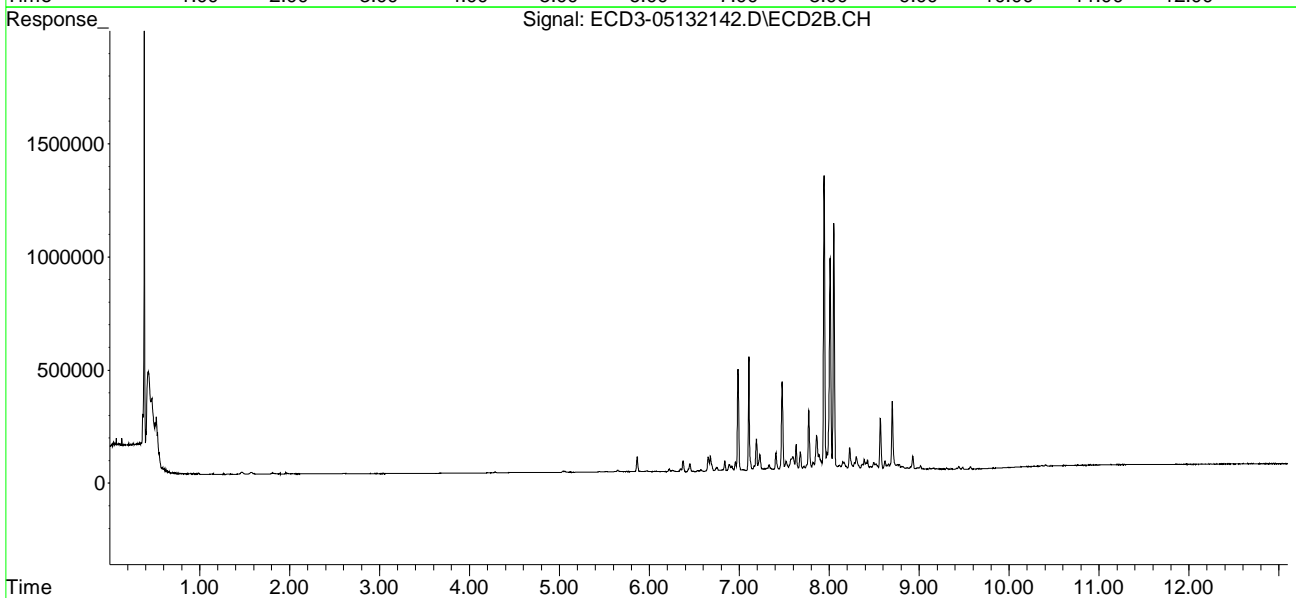
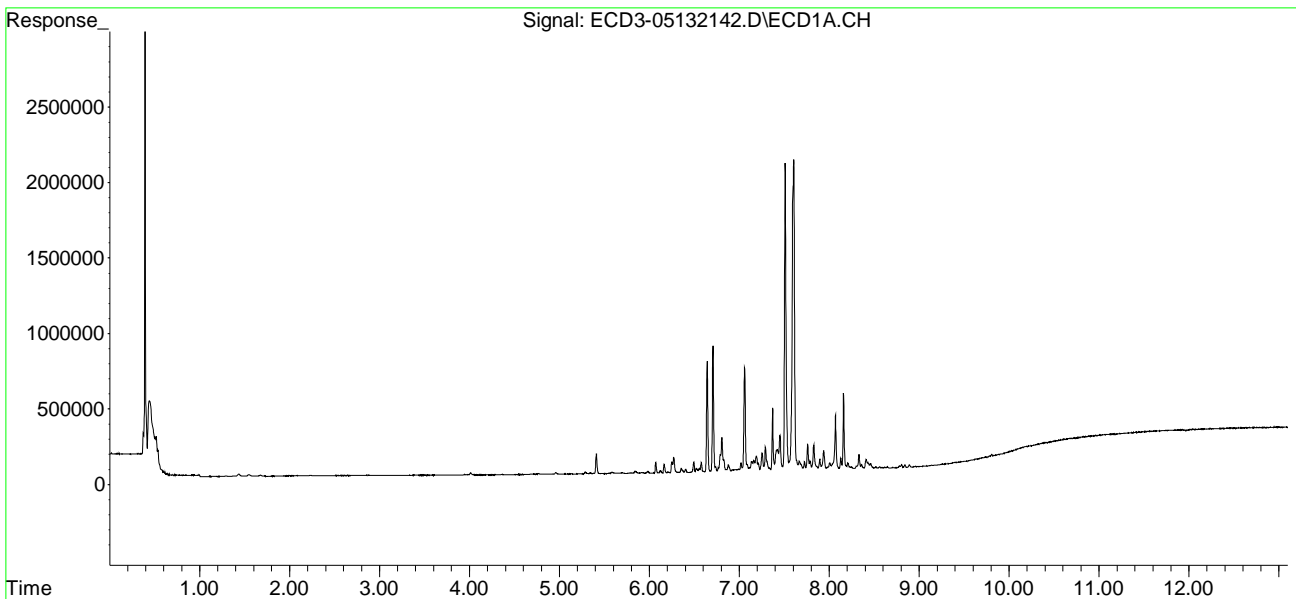
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.510	7.943	2033291	1297045	83.363	82.849
33)	Chlordane...	7.605	8.050	2056319	1086959	86.508	82.801
34)	Chlordane...	8.160	8.702	501152	297538	71.921	73.522
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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 21:24
Operator : MJB
Sample : 1E13026-CALL
Misc : A20L140, CHLOR 100 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: May 14 11:14:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:12:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132143.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:41
 Operator : MJB
 Sample : 1E13026-CALM
 Misc : A20L141, CHLOR 200 ppb
 ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:14:40 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132143.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:41
 Operator : MJB
 Sample : 1E13026-CALM
 Misc : A20L141, CHLOR 200 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: May 14 11:14:40 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

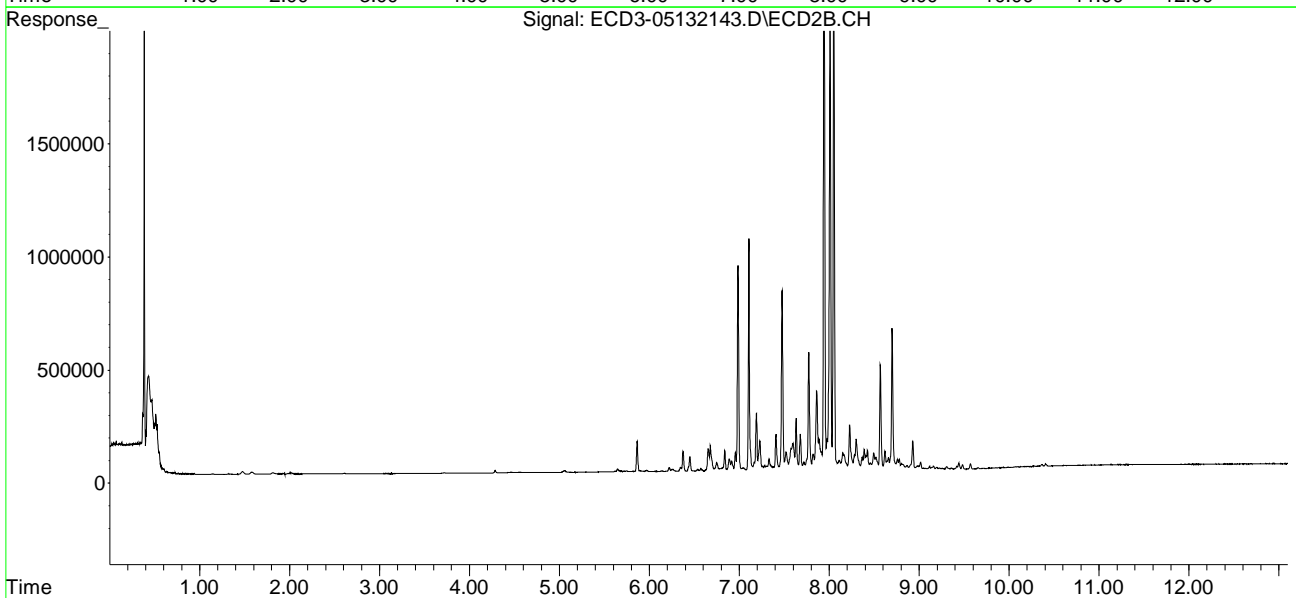
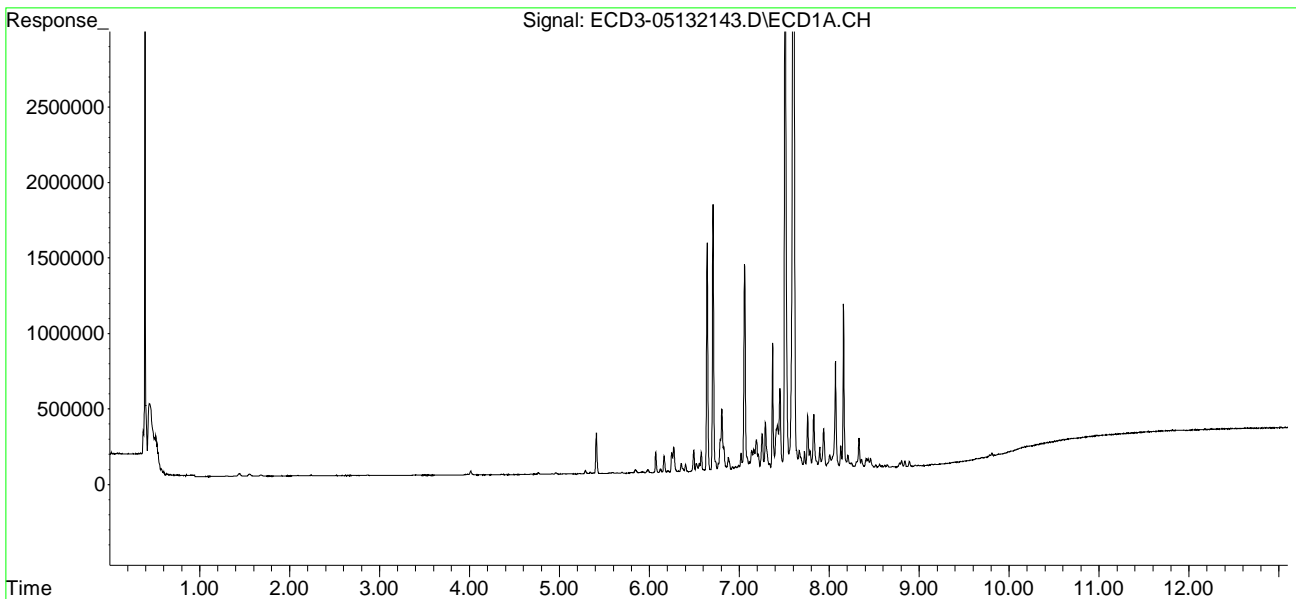
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.510	7.943	4193353	2709738	171.923	173.085
33)	Chlordane...	7.605	8.050	4274788	2301177	179.837	175.296
34)	Chlordane...	8.160	8.701	1090779	621221	156.539	153.504
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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 21:41
Operator : MJB
Sample : 1E13026-CALM
Misc : A20L141, CHLOR 200 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: May 14 11:14:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:12:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132144.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:58
 Operator : MJB
 Sample : 1E13026-CALN
 Misc : A20L142, CHLOR 500 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:12:03 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132144.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 21:58
 Operator : MJB
 Sample : 1E13026-CALN
 Misc : A20L142, CHLOR 500 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:12:03 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:04:10 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

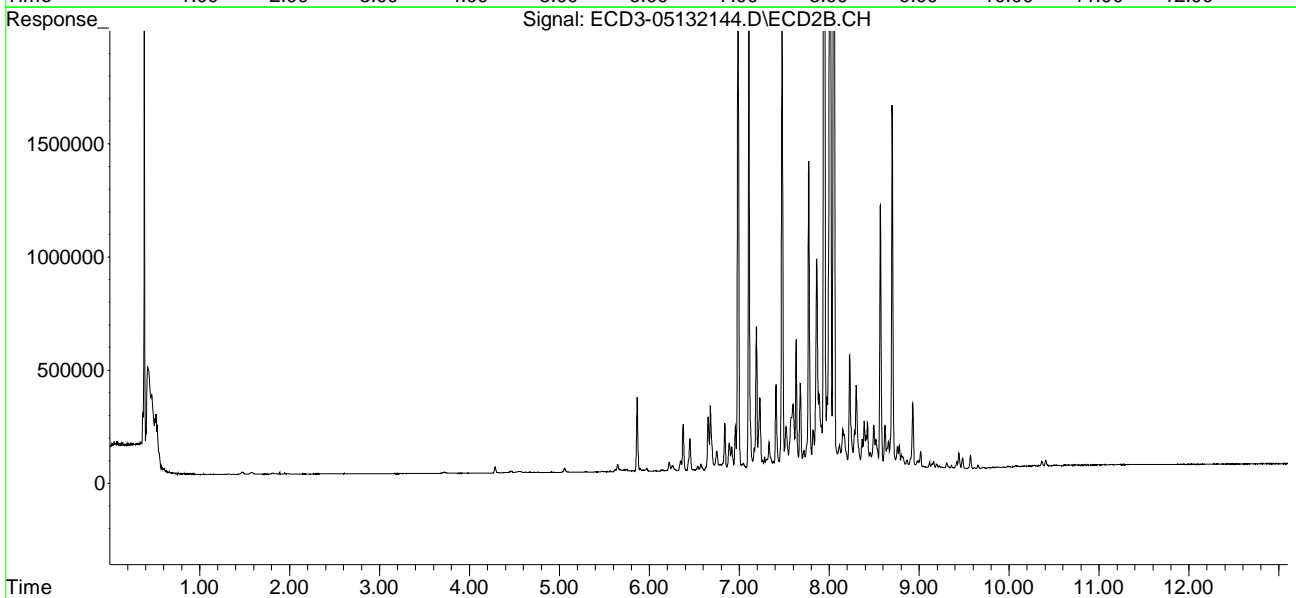
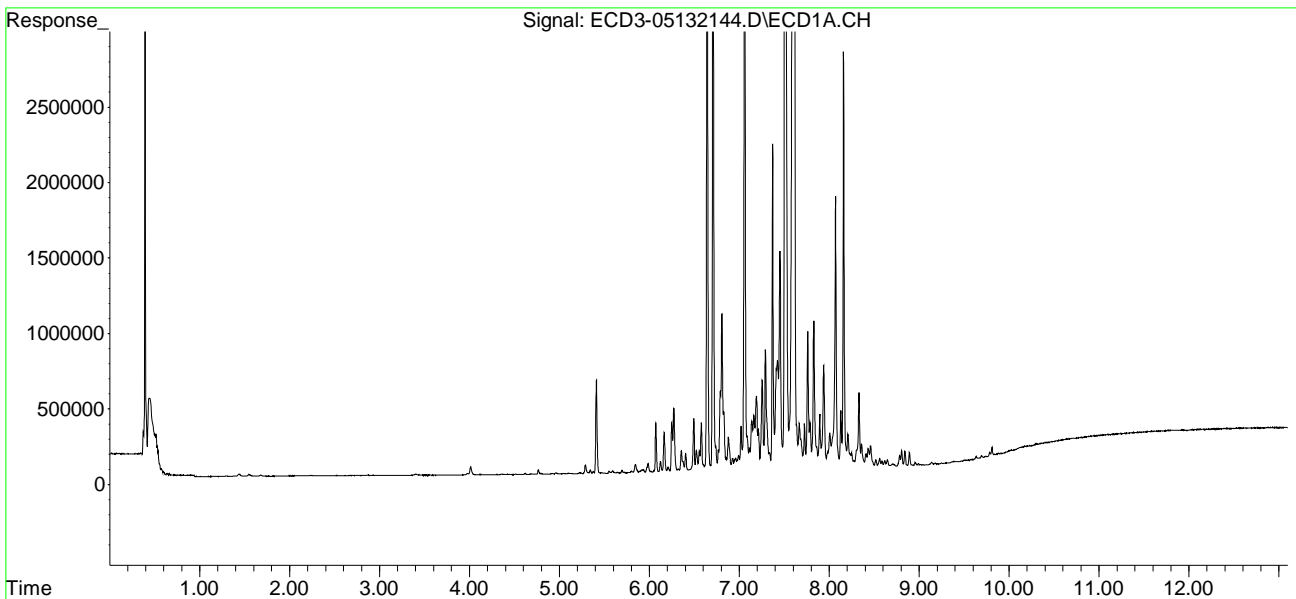
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.510	7.943	11004161	6873070	451.160	439.018
33)	Chlordane...	7.605	8.050	10942331	5955628	460.335	453.679
34)	Chlordane...	8.160	8.701	2753614	1608325	395.175	397.418
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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 21:58
Operator : MJB
Sample : 1E13026-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 11:12:03 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:04:10 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132145.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:16
 Operator : MJB
 Sample : 1E13026-CALO
 Misc : A20L143, CHLOR 1000 ppb
 ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:15:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132145.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:16
 Operator : MJB
 Sample : 1E13026-CALO
 Misc : A20L143, CHLOR 1000 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: May 14 11:15:12 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

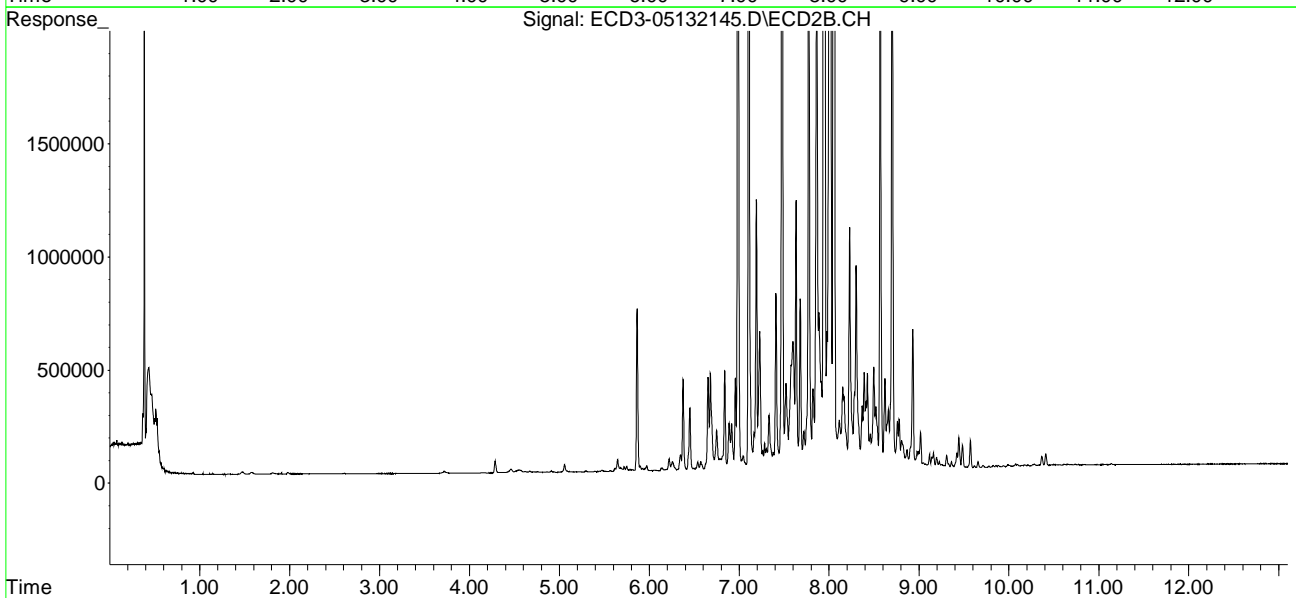
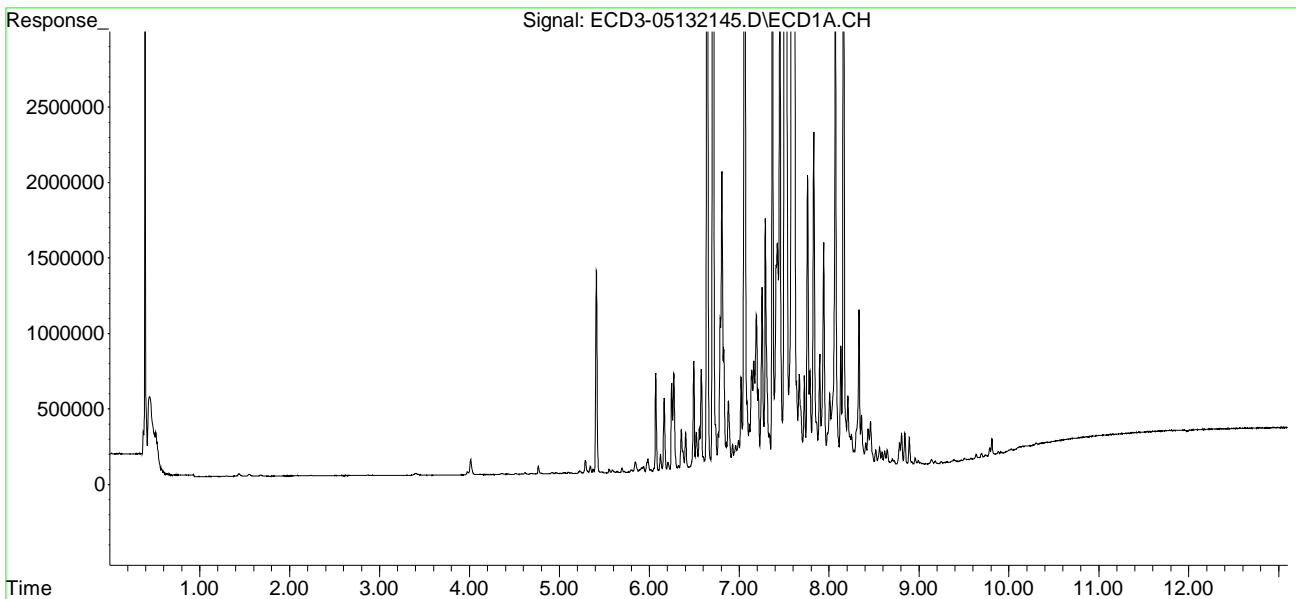
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.510	7.943	23068432	14416341	945.784	920.844
33)	Chlordane...	7.605	8.050	22961646	12172763	965.977	927.279
34)	Chlordane...	8.160	8.701	6115319	3518953	877.618	869.535
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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 22:16
Operator : MJB
Sample : 1E13026-CALO
Misc : A20L143, CHLOR 1000 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: May 14 11:15:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:12:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132146.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:33
 Operator : MJB
 Sample : 1E13026-CALP
 Misc : A20L138, CHLOR 2000 ppb
 ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:15:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132146.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 22:33
 Operator : MJB
 Sample : 1E13026-CALP
 Misc : A20L138, CHLOR 2000 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: May 14 11:15:51 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

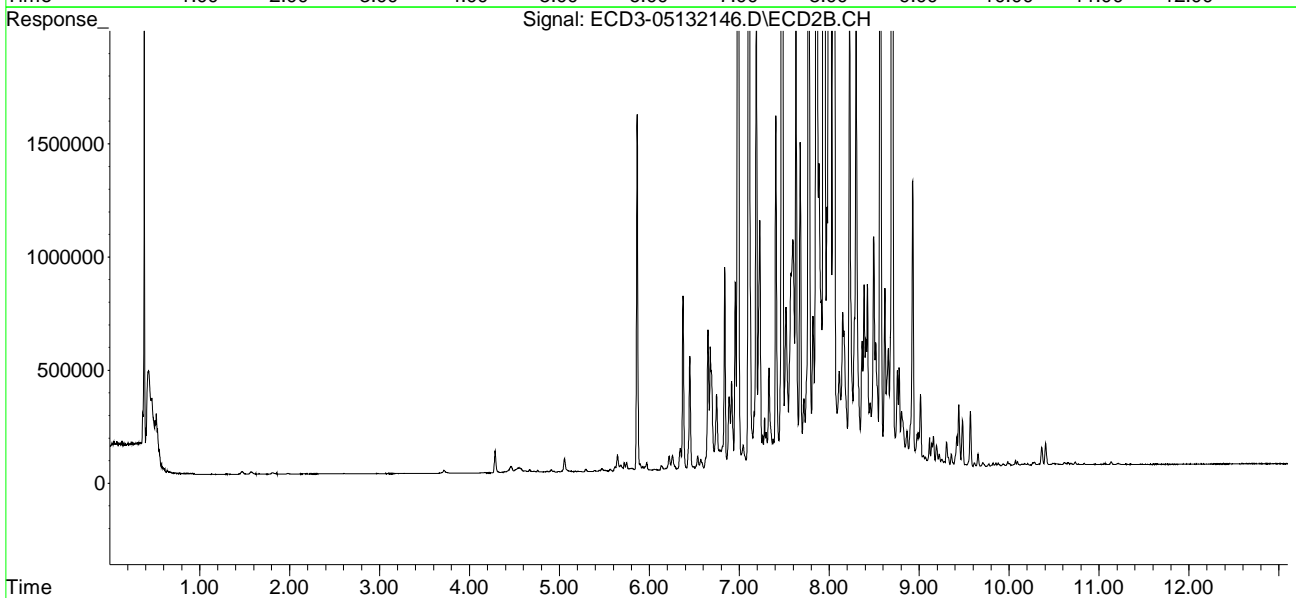
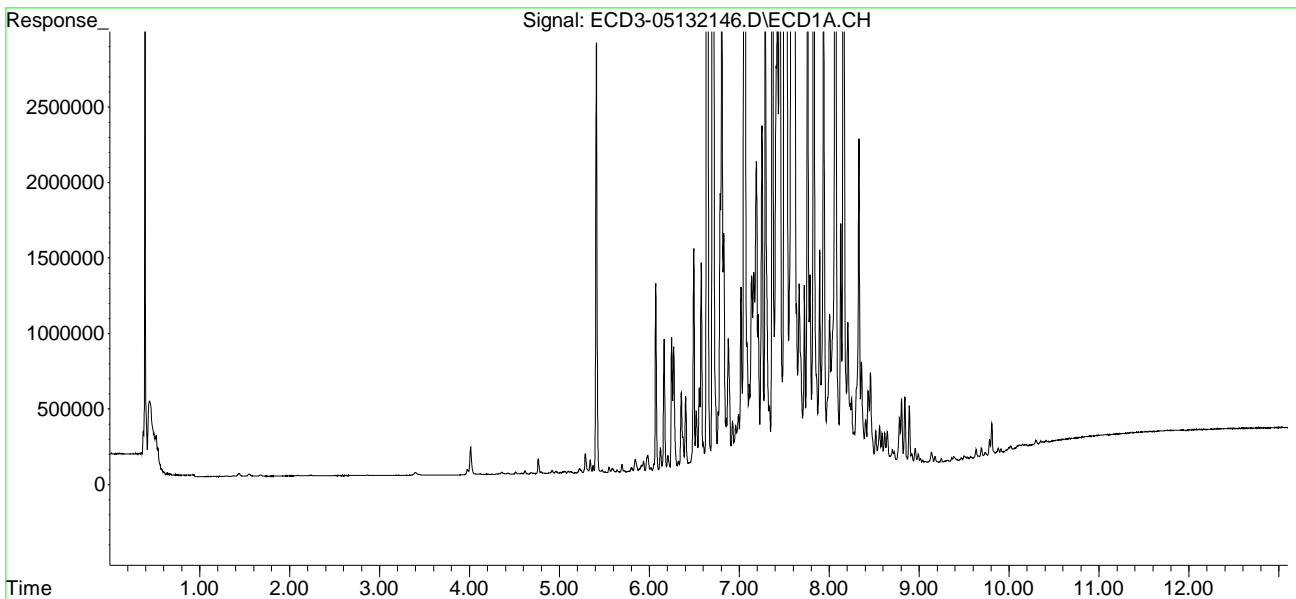
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.510	7.942	45382661	26884692	1860.645	1717.261
33)	Chlordane...	7.605	8.049	45851418	22889780	1928.930	1743.665
34)	Chlordane...	8.159	8.700	12937878	7309396	1856.732	1806.155
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 > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132146.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 22:33
Operator : MJB
Sample : 1E13026-CALP
Misc : A20L138, CHLOR 2000 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: May 14 11:15:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:12:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132149.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:25
 Operator : MJB
 Sample : 1E13026-CALQ MJB 5/14/21
 Misc : A21E235, TOX 10 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: May 14 11:18:49 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132149.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:25
 Operator : MJB
 Sample : 1E13026-CALQ
 Misc : A21E235, TOX 10 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: May 14 11:18:49 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

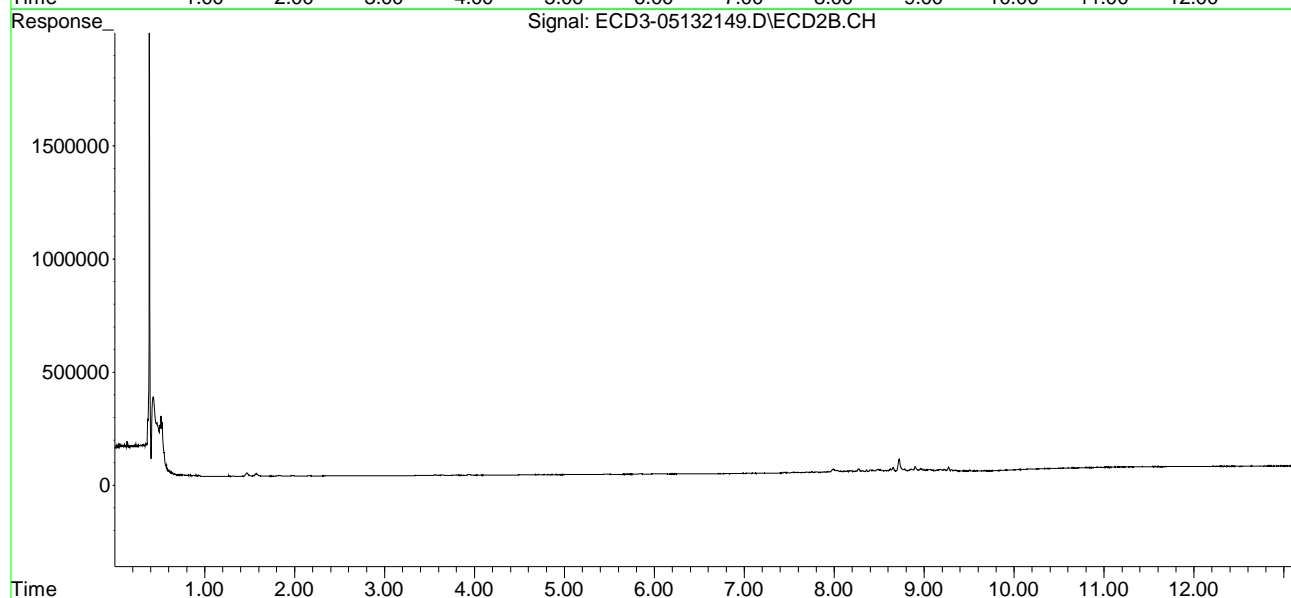
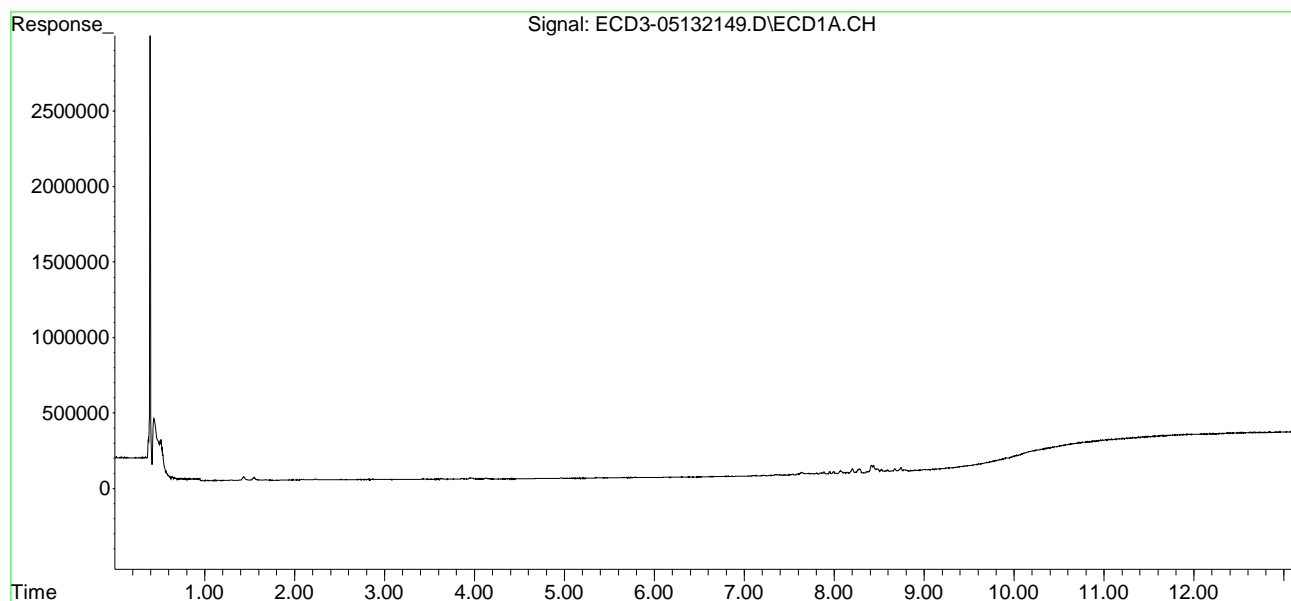
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.590	8.275	6278	10584	6.311	8.137
37)	Toxaphene...	7.885	8.623	16597	9017	8.296	6.139
38)	Toxaphene...	8.201	8.655	27921	15232	7.088	3.645 #
39)	Toxaphene...	8.439	8.722	44362	51887	10.608	14.442
40)	Toxaphene...	8.671	8.901	16225	18118	5.385	8.539 #
41)	Toxaphene...	8.741	9.270	21433	15218	6.078	7.151
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132149.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:25
Operator : MJB
Sample : 1E13026-CALQ
Misc : A21E235, TOX 10 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: May 14 11:18:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:17:56 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132150.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:43
 Operator : MJB
 Sample : 1E13026-CALR
 Misc : A20K260, TOX 500 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:19:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132150.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2021 23:43
 Operator : MJB
 Sample : 1E13026-CALR
 Misc : A20K260, TOX 500 ppb
 ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:19:23 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

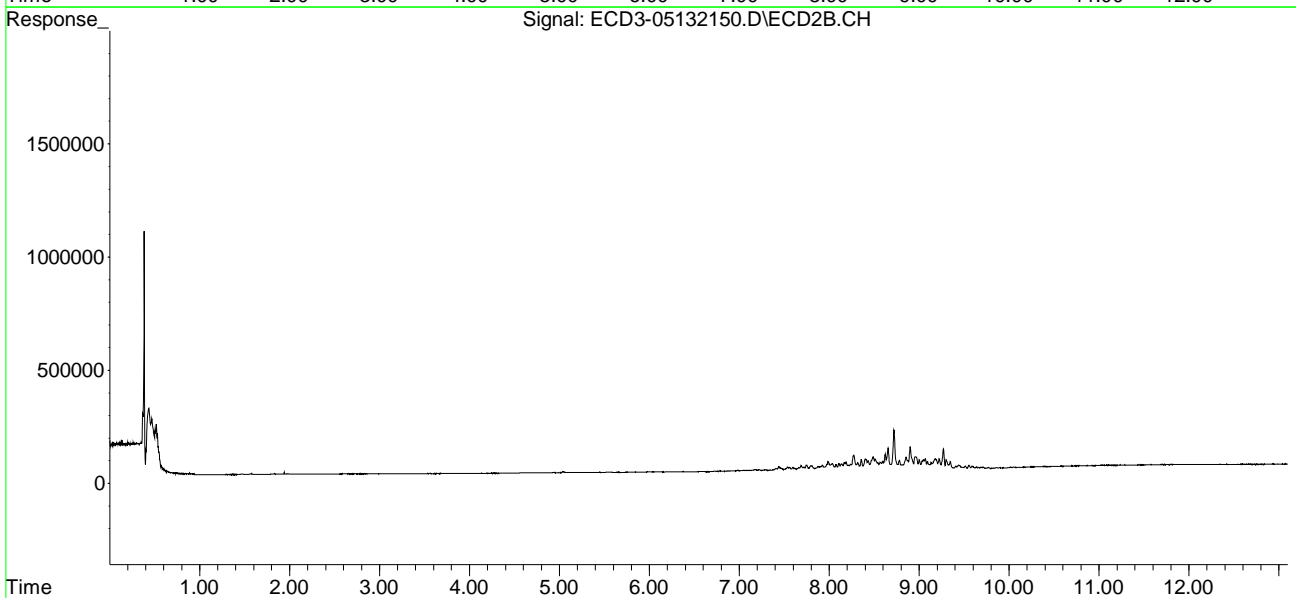
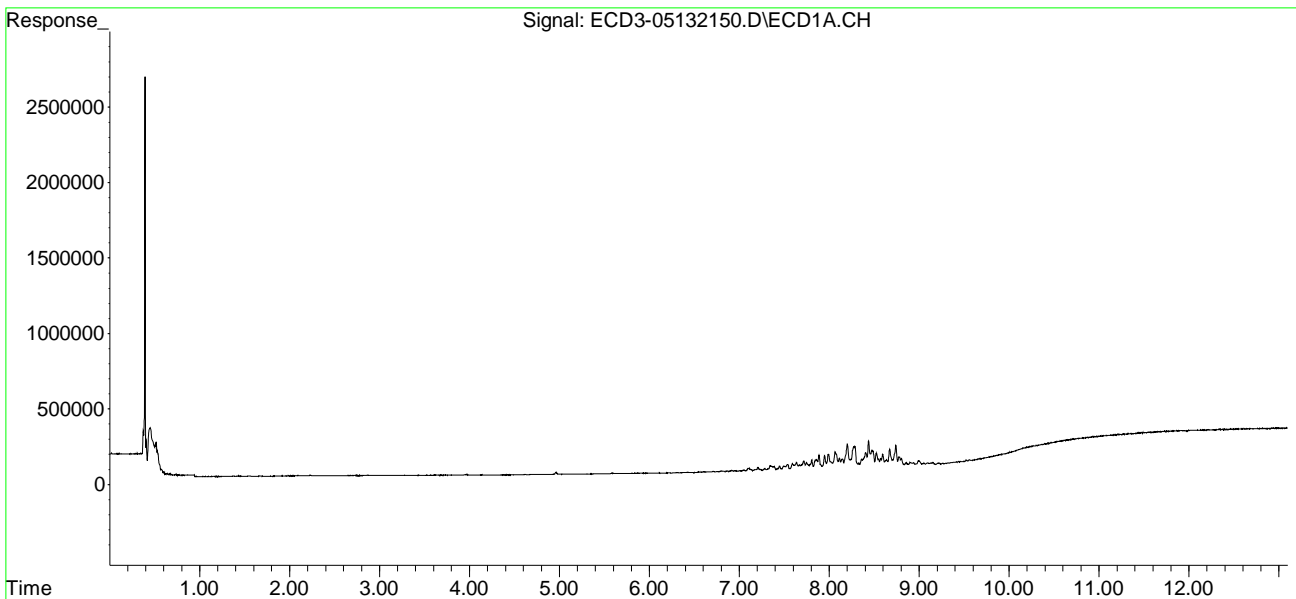
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.590	8.274	37601	59657	37.801	45.868
37)	Toxaphene...	7.885	8.623	88118	63333	44.043	43.116
38)	Toxaphene...	8.201	8.654	156255	91402	39.665	41.337
39)	Toxaphene...	8.439	8.721	170798	169736	40.841	47.245
40)	Toxaphene...	8.671	8.900	111395	96396	36.969	45.431
41)	Toxaphene...	8.740	9.269	136594	85572	38.732	40.210
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132150.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2021 23:43
Operator : MJB
Sample : 1E13026-CALR
Misc : A20K260, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 11:19:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:17:56 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132151.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:00
 Operator : MJB
 Sample : 1E13026-CALS
 Misc : A20K261, TOX 100 ppb
 ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1¹

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:20:03 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132151.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:00
 Operator : MJB
 Sample : 1E13026-CALS
 Misc : A20K261, TOX 100 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: May 14 11:20:03 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

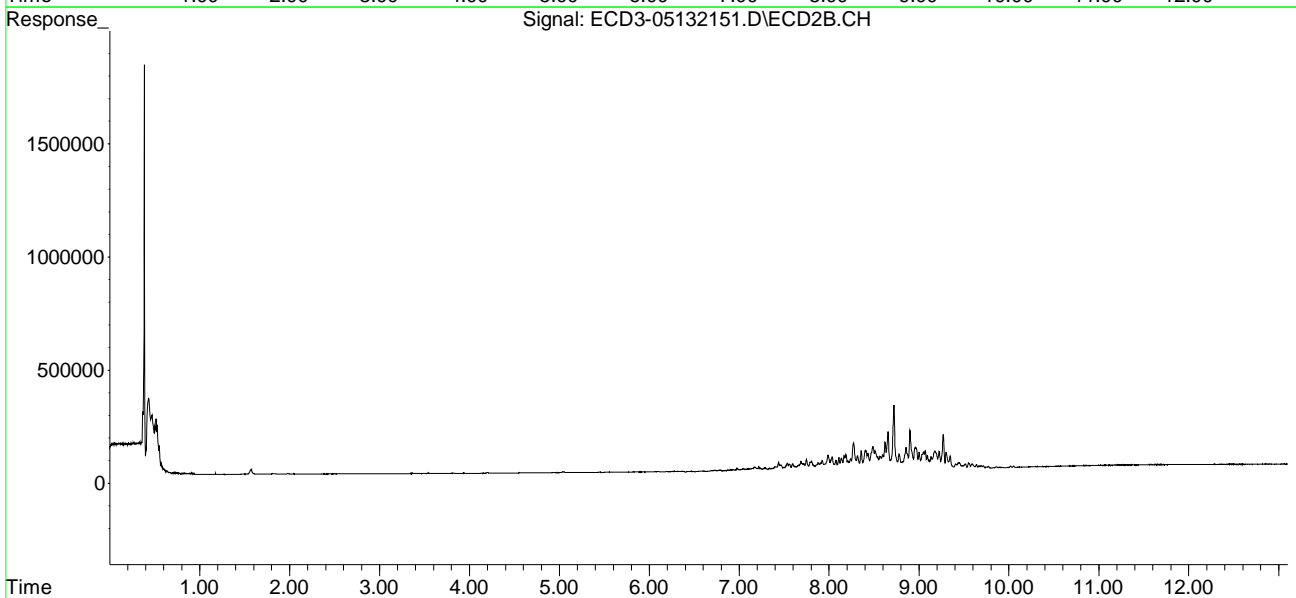
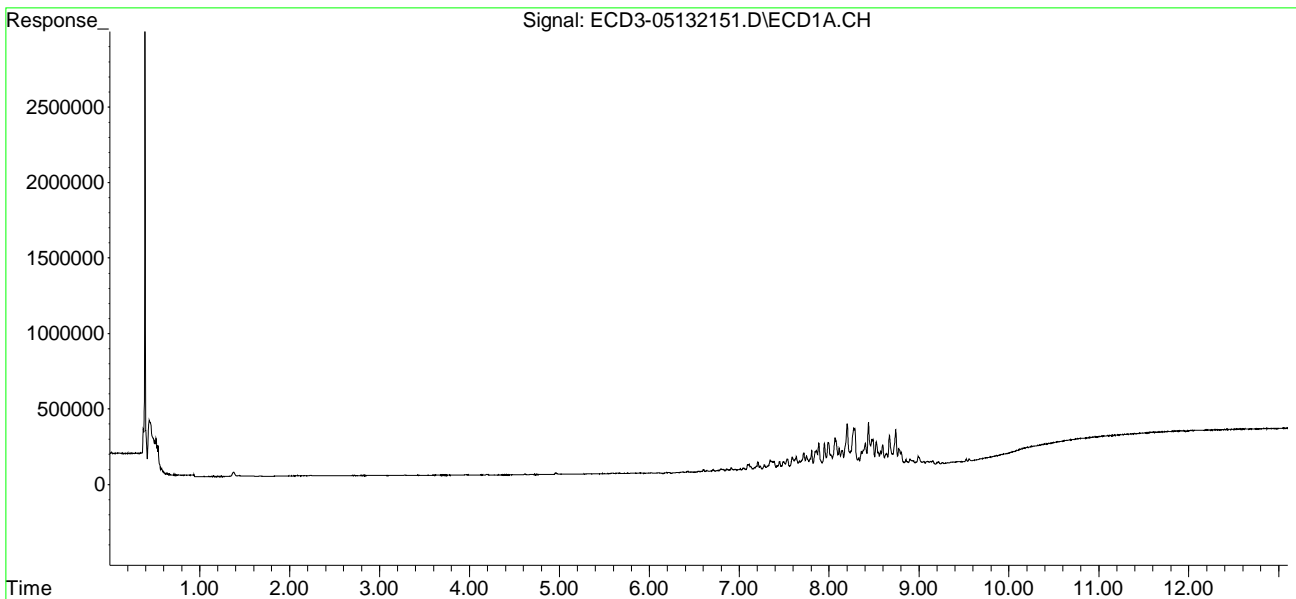
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.589	8.271	79805	116608	80.229	89.656
37)	Toxaphene...	7.883	8.622	167553	120000	83.746	81.695
38)	Toxaphene...	8.200	8.654	287648	166408	73.018	78.331
39)	Toxaphene...	8.438	8.720	295323	283367	70.617	78.874
40)	Toxaphene...	8.669	8.899	200855	170622	66.659	80.414
41)	Toxaphene...	8.739	9.268	237990	150389	67.484	70.666
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132151.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 0:00
Operator : MJB
Sample : 1E13026-CALS
Misc : A20K261, TOX 100 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: May 14 11:20:03 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:17:56 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132152.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:17
 Operator : MJB
 Sample : 1E13026-CALT
 Misc : A20K262, TOX 200 ppb
 ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:20:41 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132152.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:17
 Operator : MJB
 Sample : 1E13026-CALT
 Misc : A20K262, TOX 200 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: May 14 11:20:41 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

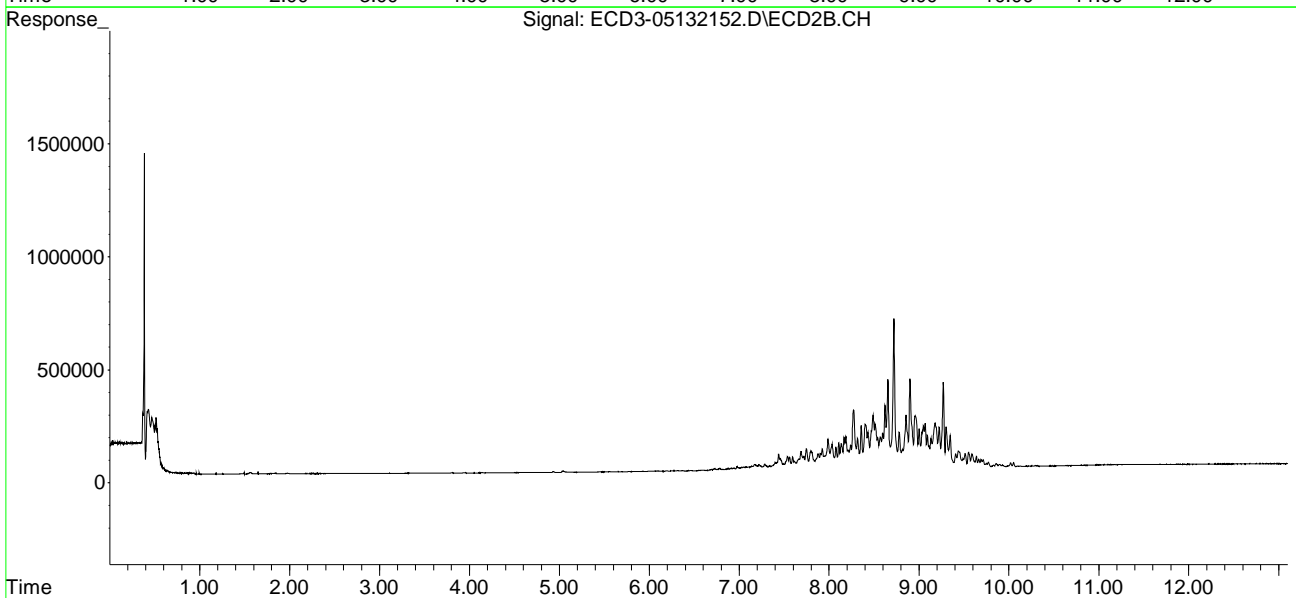
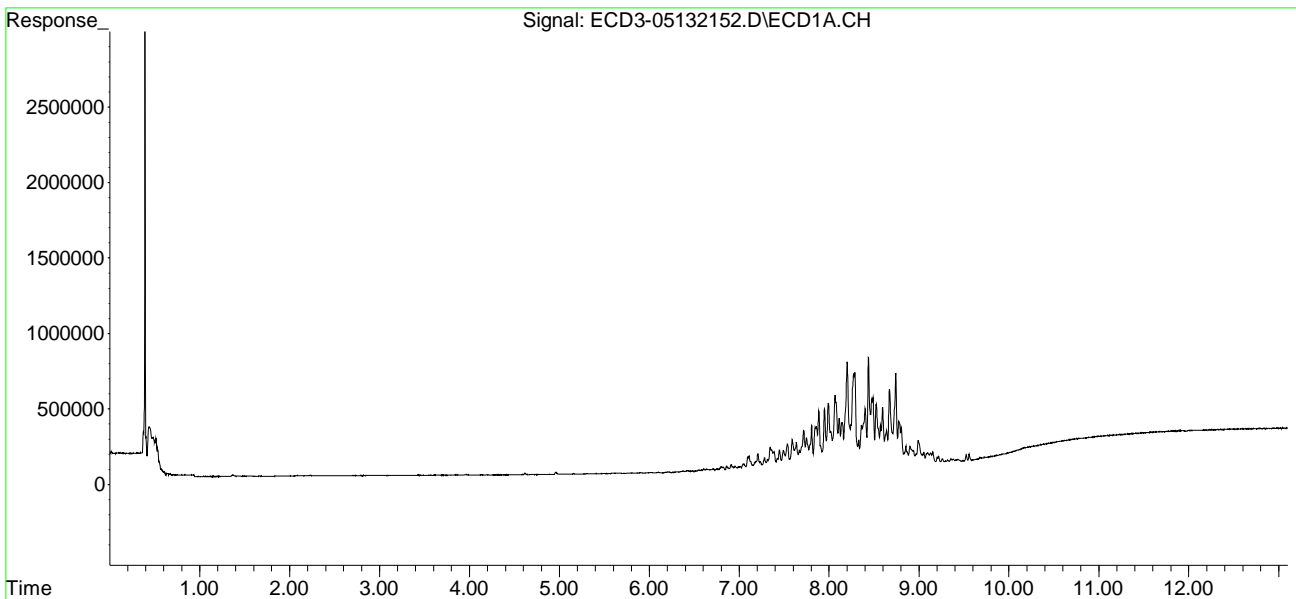
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.589	8.272	186285	250788	187.276	192.821
37)	Toxaphene...	7.884	8.621	372098	273261	185.980	186.032
38)	Toxaphene...	8.200	8.653	688271	387188	174.715	186.533
39)	Toxaphene...	8.438	8.720	713139	656424	170.524	182.712
40)	Toxaphene...	8.670	8.899	498086	390251	165.302	183.926
41)	Toxaphene...	8.739	9.268	600797	373662	170.360	175.581
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132152.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 0:17
Operator : MJB
Sample : 1E13026-CALT
Misc : A20K262, TOX 200 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: May 14 11:20:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:17:56 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132153.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:34
 Operator : MJB
 Sample : 1E13026-CALU
 Misc : A20K263, TOX 500 ppb
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier::_1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:17:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132153.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:34
 Operator : MJB
 Sample : 1E13026-CALU
 Misc : A20K263, TOX 500 ppb
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:17:48 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:12:19 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

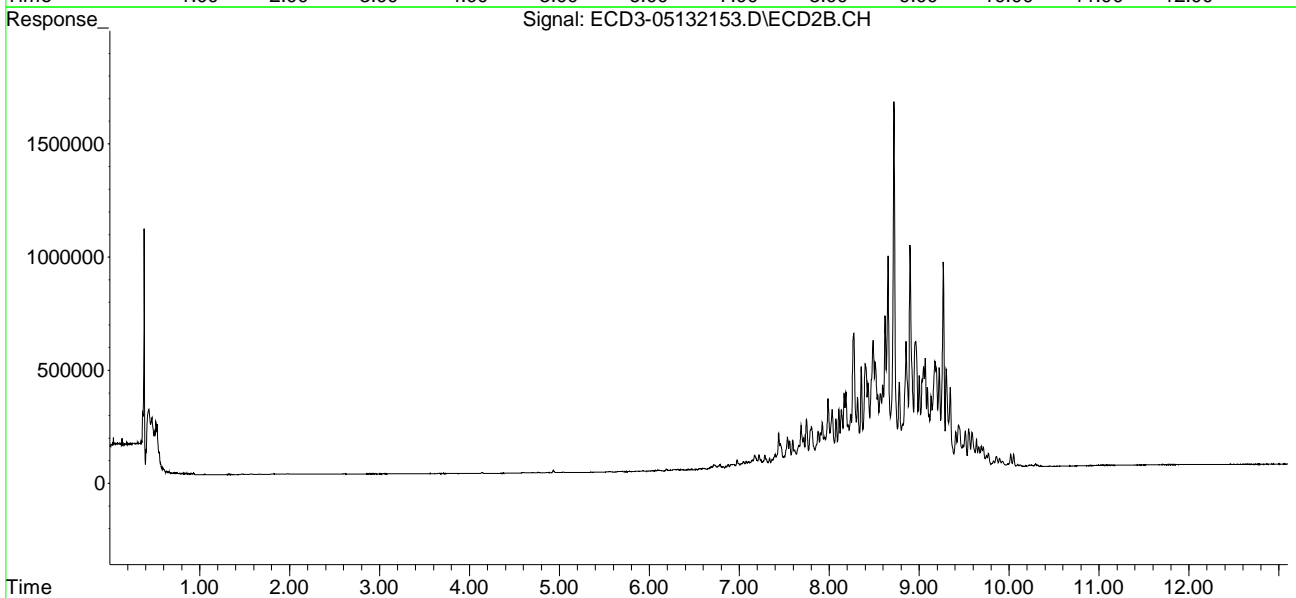
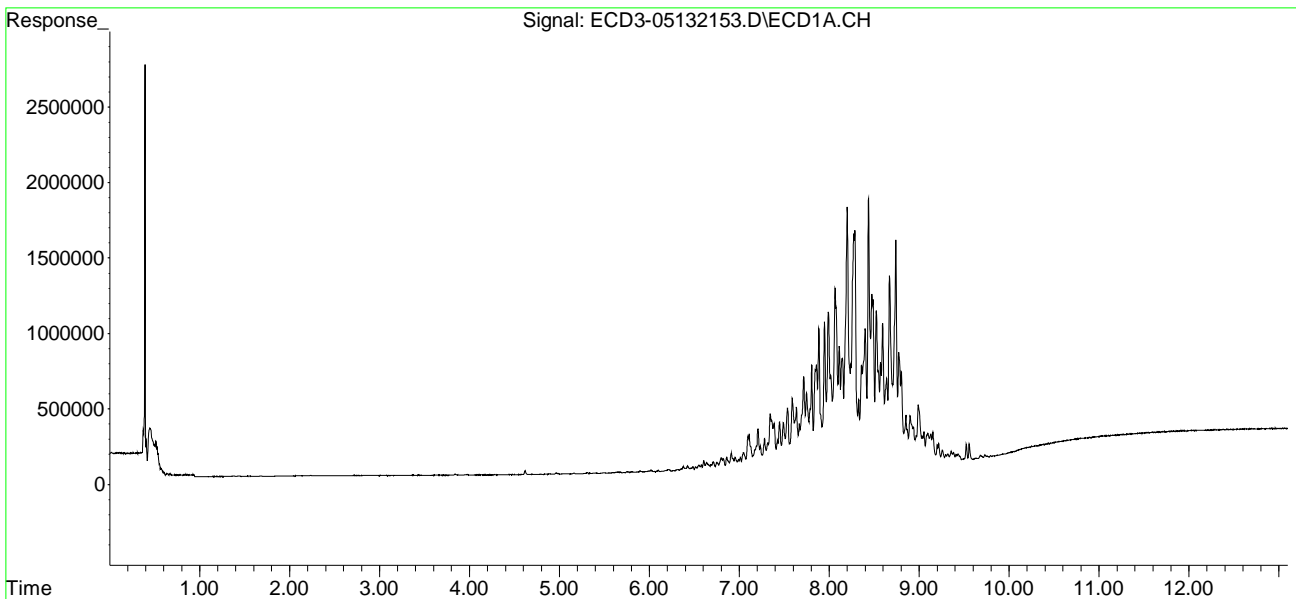
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.589	8.273	454968	595063	457.388	457.522
37)	Toxaphene...	7.884	8.622	910368	672660	455.015	457.938
38)	Toxaphene...	8.200	8.654	1705677	935601	432.980	451.011
39)	Toxaphene...	8.438	8.721	1754291	1616774	419.481	450.019
40)	Toxaphene...	8.670	8.899	1237962	981058	410.846	462.374
41)	Toxaphene...	8.740	9.268	1473541	905293	417.832	425.390
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132153.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 0:34
Operator : MJB
Sample : 1E13026-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 11:17:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:12:19 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132154.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:51
 Operator : MJB
 Sample : 1E13026-CALV
 Misc : A20K264, TOX 1000 ppb
 ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:21:21 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132154.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 0:51
 Operator : MJB
 Sample : 1E13026-CALV
 Misc : A20K264, TOX 1000 ppb
 ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:21:21 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

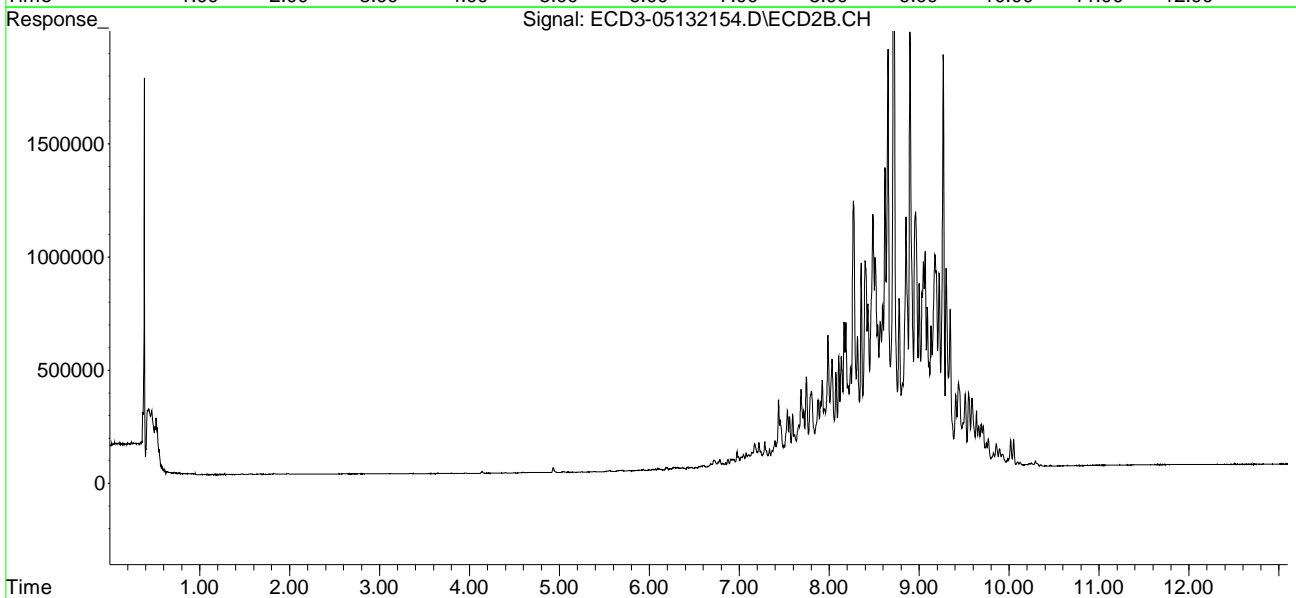
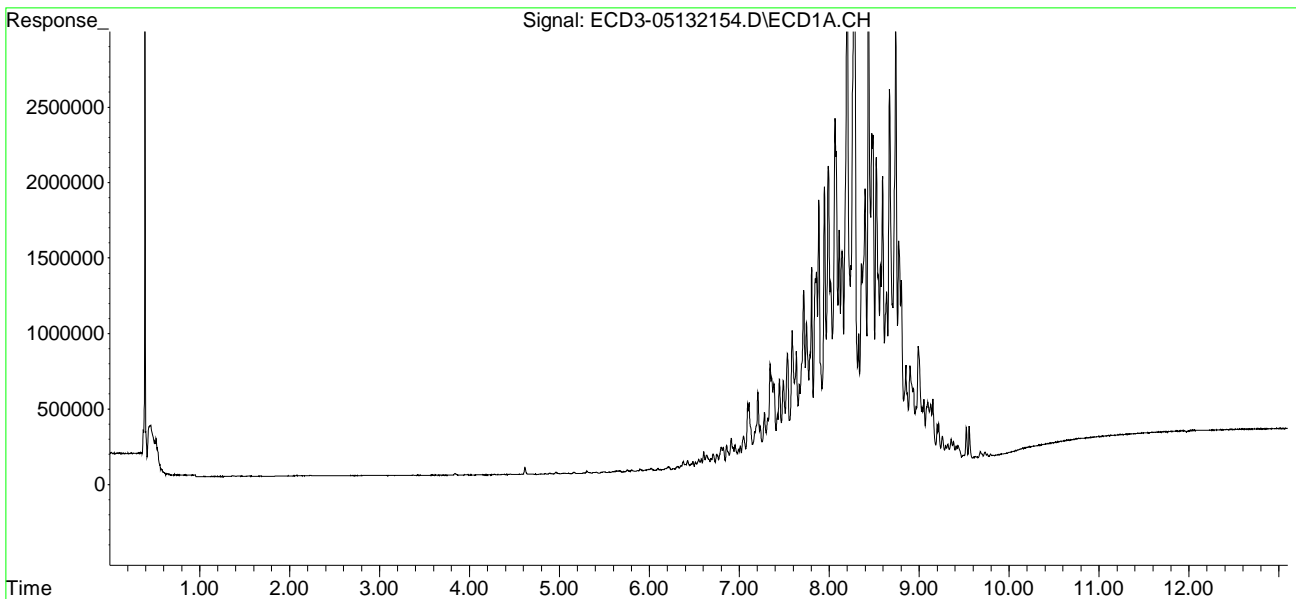
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.588	8.271	892585	1176759	897.333	904.766
37)	Toxaphene...	7.883	8.621	1750360	1326918	874.856	903.348
38)	Toxaphene...	8.200	8.653	3350890	1849250	850.611	878.920
39)	Toxaphene...	8.438	8.719	3434990	3131109	821.365	871.526
40)	Toxaphene...	8.670	8.898	2465390	1923662	818.197	906.624
41)	Toxaphene...	8.739	9.268	2961877	1825751	839.860	857.906
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132154.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 0:51
Operator : MJB
Sample : 1E13026-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 11:21:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:17:56 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132155.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:09
 Operator : MJB
 Sample : 1E13026-CALW
 Misc : A20K259, TOX 2000 ppb
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/14/21

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:22:01 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
 Data File : ECD3-05132155.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 14 May 2021 1:09
 Operator : MJB
 Sample : 1E13026-CALW
 Misc : A20K259, TOX 2000 ppb
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: May 14 11:22:01 2021
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
 Quant Title : Instrument: DualECD3
 QLast Update : Fri May 14 11:17:56 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

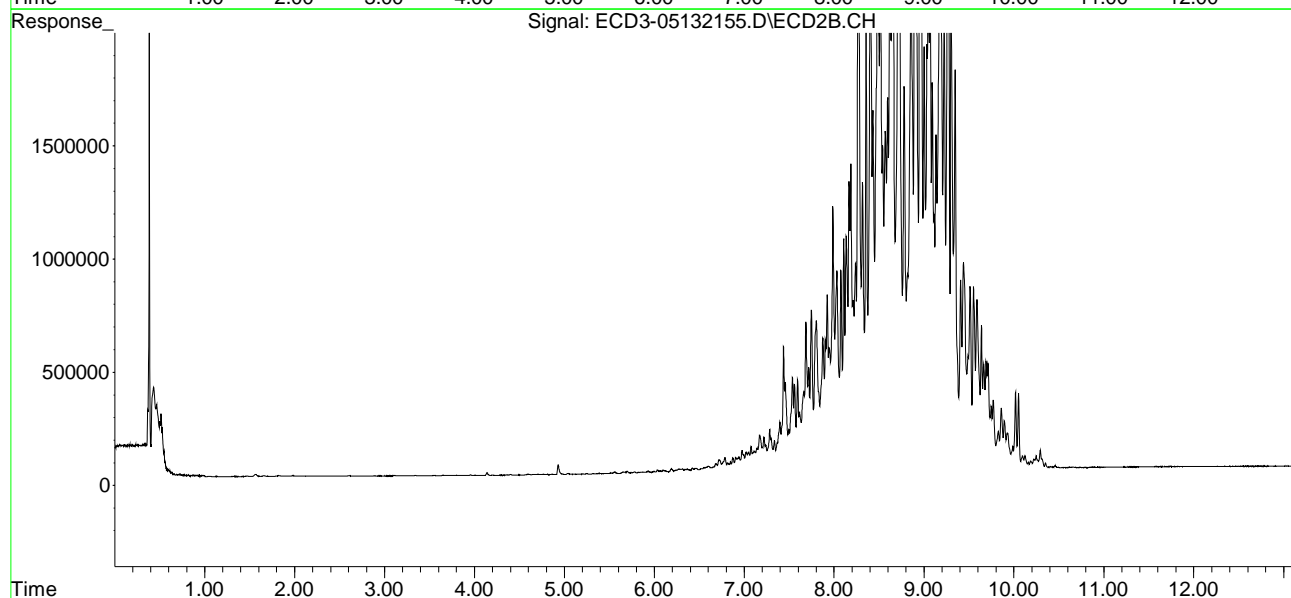
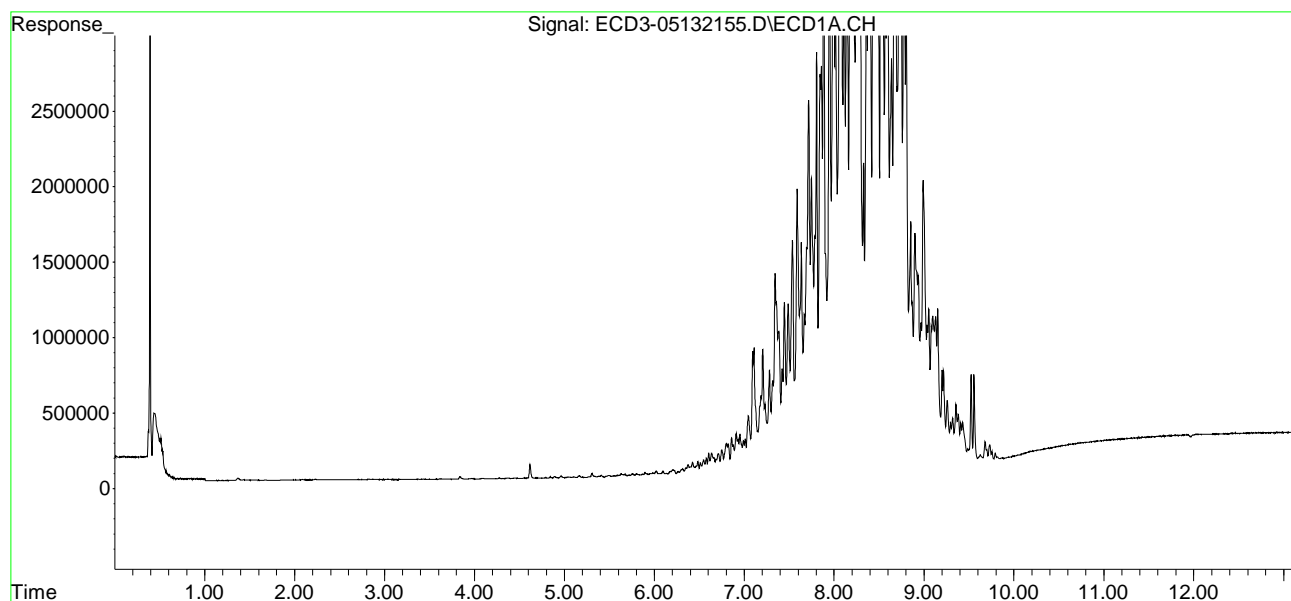
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.588	8.273	1851676	2462187	1861.527	1893.084
37)	Toxaphene...	7.882	8.621	3680671	2954588	1839.654	2011.445
38)	Toxaphene...	8.199	8.653	7501190	4206622	1904.149	1919.368
39)	Toxaphene...	8.437	8.720	7772495	6945744	1858.538	1933.307
40)	Toxaphene...	8.669	8.898	5929875	4328462	1967.967	2040.009
41)	Toxaphene...	8.738	9.268	6886007	4271167	1952.573	2006.989
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E13026\
Data File : ECD3-05132155.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 1:09
Operator : MJB
Sample : 1E13026-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 11:22:01 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 11:17:56 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



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

Batch 1050296

Batch 1050403

Sequence 1E12050 (A1E0231-01RE1,02,03,04RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1050296 (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	Other	>11	
	1050296-BLK1	QC	05/10/21 09:53	2.5	50										
	1050296-BS1	QC	05/10/21 09:53	2.5	50	A21D279		100							
	1050296-BS2	QC	05/10/21 09:53	2.5	50	A21B053		1000							
	A1E0180-18	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.507	50					USMPDI-036SC-B-07-10-210501					
	A1E0180-19	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5296	50					USMPDI-036SC-B-10-12.1-210501					
	A1E0180-19RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5296	50					USMPDI-036SC-B-10-12.1-210501	Added 5/13/2021 by wvo				
	A1E0180-22	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5336	50					USMPDI-037SC-B-00-02-210501					
	A1E0180-22RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5336	50					USMPDI-037SC-B-00-02-210501	Added 5/13/2021 by wvo				
	A1E0180-22RE2	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5336	50					USMPDI-037SC-B-00-02-210501	Added 5/13/2021 by wvo				
	A1E0180-23	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5409	50					USMPDI-037SC-B-02-05-210501	MS/MSD				
	1050296-MS1	QC	05/10/21 09:53	2.523	50	A21D216	A1E0180-23	200							
	1050296-MSD1	QC	05/10/21 09:53	2.5364	50	A21D216	A1E0180-23	200							
	A1E0180-24	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5024	50					USMPDI-037SC-B-05-07-210501					
	A1E0180-24RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5024	50					USMPDI-037SC-B-05-07-210501	Added 5/13/2021 by wvo				
	A1E0180-25	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5366	50					USMPDI-037SC-B-07-10-210501					
	A1E0180-25RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5366	50					USMPDI-037SC-B-07-10-210501	Added 5/13/2021 by wvo				
	A1E0180-26	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5576	50					USMPDI-037SC-B-10-12.1-210501					
	A1E0180-26RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5576	50					USMPDI-037SC-B-10-12.1-210501	Added 5/13/2021 by wvo				

Prepared By: WVO Date: 5/13/21 Reviewed By: das Date: 05/14/2021 Analyst Review: _____ Date: _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1050296 (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	>11
	A1E0180-27	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5217	50					USMPDI-1037S C-B-07-10-210501			
	A1E0180-27RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5217	50					USMPDI-1037S C-B-07-10-210501	Added 5/13/2021 by wvo		
	A1E0206-05	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5359	50					USMPDI-030SC- B-00-02-210503			
	1050296-MS2	QC	05/10/21 09:53	2.554	50	A21D216	A1E0206-05	200					
	1050296-MSD2	QC	05/10/21 09:53	2.5529	50	A21D216	A1E0206-05	200					
	A1E0206-05RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5359	50					USMPDI-030SC- B-00-02-210503	Added 5/13/2021 by wvo		
	1050296-MS3	QC	05/10/21 09:53	2.554	50	A21D216	A1E0206-05RE1	200			Added 5/13/2021 by wvo		
	1050296-MSD3	QC	05/10/21 09:53	2.5529	50	A21D216	A1E0206-05RE1	200			Added 5/13/2021 by wvo		
	A1E0206-06	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5013	50					USMPDI-030SC- B-02-05-210503			
	A1E0225-07	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5456	50					USMPDI-028SC- B-00-02-210504			
	A1E0225-07RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5456	50					USMPDI-028SC- B-00-02-210504	Added 5/13/2021 by wvo		
	A1E0225-08	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5208	50					USMPDI-028SC- B-02-05-210504			
	A1E0225-08RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5208	50					USMPDI-028SC- B-02-05-210504	Added 5/13/2021 by wvo		
	A1E0225-09	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5099	50					USMPDI-028SC- B-05-6.3-210504			
	A1E0225-14	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.516	50					USMPDI-031SC- B-00-02-210504			
	A1E0225-14RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.516	50					USMPDI-031SC- B-00-02-210504	Added 5/13/2021 by wvo		
	A1E0225-15	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5392	50					USMPDI-031SC- B-02-05-210504			
	A1E0225-15RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5392	50					USMPDI-031SC- B-02-05-210504	Added 5/13/2021 by wvo		
	A1E0225-15RE2	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5392	50					USMPDI-031SC- B-02-05-210504	Added 5/13/2021 by wvo		

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Analyst Review: _____ Date _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1050296 (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	6-8	>11
	A1E0225-20	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5096	50					USMPDI-035SC-B-00-02-210504				
	A1E0225-20RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5096	50					USMPDI-035SC-B-00-02-210504	Added 5/13/2021 by wvo			
	A1E0225-21	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5107	50					USMPDI-035SC-B-02-05-210504				
	A1E0225-21RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5107	50					USMPDI-035SC-B-02-05-210504	Added 5/13/2021 by wvo			
	A1E0225-21RE2	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5107	50					USMPDI-035SC-B-02-05-210504	Added 5/13/2021 by wvo			
	A1E0231-01	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5162	50					USMPDI-028SG-210504				
	A1E0231-01RE1	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5162	50					USMPDI-028SG-210504	Added 5/13/2021 by wvo			
	A1E0231-02	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5079	50	2.5074	das 05/14/2021			USMPDI-030SG-210504				
	A1E0231-03	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5125	50					USMPDI-031SG-210504				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19J023	11/30/23	Wet Chem Balance 4	A21B053	05/09/21	Total CN Challenge Mtx. Stock Solution			
A20J476	10/29/29	Syringe Filters, 0.45 um PP	A21D216	10/12/21	Cyanide working -1-			
A21D004	09/28/21	Total CN-TA2/SAR-working	A21D279	10/16/21	Cyanide working -2- TOTAL			
A21D208	04/11/22	0.1 N NaOH						
A21D338	10/20/21	Total CN-TA1 working						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Analyst Review: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: **1050296 (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	>11
	1050296-BLK1	QC	05/10/21 09:53	2.5	50								
	1050296-BSI	QC	05/10/21 09:53	2.5	50	A21D279		100					
	A1E0180-18	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5070	50					USMPDI-036SC-B-07-10-210501			
	A1E0180-19	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5560 2.53 2.5296	50	JTR 5/10/21				USMPDI-036SC-B-10-12.1-210501			
	A1E0180-22	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5355 2.5336	50					USMPDI-037SC-B-00-02-210501			
	A1E0180-23	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5395 2.5409	50					USMPDI-037SC-B-02-05-210501	MS/MSD		
	1050296-MS1	QC	05/10/21 09:53	2.5230	50	A21D216	A1E0180-23	200					
	1050296-MSD1	QC	05/10/21 09:53	2.5369	50	A21D216	A1E0180-23	200					
	A1E0180-24	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5029	50					USMPDI-037SC-B-05-07-210501			
	A1E0180-25	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5366	50					USMPDI-037SC-B-07-10-210501			
	A1E0180-26	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5505 2.5576	50	JTR 5/10/21				USMPDI-037SC-B-10-12.1-210501			
	A1E0180-27	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5217	50					USMPDI-1037S C-B-07-10-210501			
	A1E0206-05	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5359	50					USMPDI-030SC-B-00-02-210503			
	1050296-MS2	QC	05/10/21 09:53	2.5554	50	A21D216	A1E0206-05	200					
	1050296-MSD2	QC	05/10/21 09:53	2.5535 2.5521	50	A21D216	A1E0206-05	200					
	A1E0206-06	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5057 2.5013	50	JTR 5/10/21				USMPDI-030SC-B-02-05-210503			
	A1E0225-07	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5456	50					USMPDI-028SC-B-00-02-210504			
	A1E0225-08	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5208	50					USMPDI-028SC-B-02-05-210504			
	A1E0225-09	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5099	50					USMPDI-028SC-B-05-6.3-210504			

Prepared By: WVO Date: 5/13/21 Reviewed By: _____ Date: _____ Analyst Review: _____ Date: _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: **1050296 (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
	A1E0225-14	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5160	50					USMPDI-031SC-B-00-02-210504				
	A1E0225-15	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5392	50					USMPDI-031SC-B-02-05-210504				
	A1E0225-20	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5096	50					USMPDI-035SC-B-00-02-210504				
	A1E0225-21	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5107	50					USMPDI-035SC-B-02-05-210504				
	A1E0231-01	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.517 2.5162	50					USMPDI-028SG-210504				
	A1E0231-02	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5079	50					USMPDI-030SG-210504				
	A1E0231-03	A Cyanide, Total (ASTM D7511, OIA)	05/10/21 09:53	2.5125	50					USMPDI-031SG-210504				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19J023	11/30/23	Wet Chem Balance 4	A21D216	10/12/21	Cyanide working -1-			
A20J476	10/29/29	Syringe Filters, 0.45 um PP	A21D279	10/16/21	Cyanide working -2- TOTAL			
A21D004	09/28/21	Total CN-TA2/SAR-working						
A21D208	04/11/22	0.1 N NaOH						
A21D338	10/20/21	Total CN-TA1 working						

Prepared By: _____ Date _____ Reviewed By: _____ Date _____ Analyst Review: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1050403 (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	Other	>11
	1050403-BLK1	QC	05/12/21 11:31	2.5	50									
	1050403-BS1	QC	05/12/21 11:31	2.5	50	A21D279		100						
	A1E0231-04	A Cyanide, Total (ASTM D7511, OIA)	05/12/21 11:31	2.5699	50					USMPDI-035SG-210504				
	1050403-MS1	QC	05/12/21 11:31	2.5715	50	A21D216	A1E0231-04	200						
	1050403-MSD1	QC	05/12/21 11:31	2.5535	50	A21D216	A1E0231-04	200						
	A1E0231-04RE1	A Cyanide, Total (ASTM D7511, OIA)	05/12/21 11:31	2.5699	50					USMPDI-035SG-210504	Added 5/13/2021 by wvo			
	1050403-MS2	QC	05/12/21 11:31	2.5715	50	A21D216	A1E0231-04RE1	200			Added 5/13/2021 by wvo			
	1050403-MSD2	QC	05/12/21 11:31	2.5535	50	A21D216	A1E0231-04RE1	200			Added 5/13/2021 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
A19J023	11/30/23	Wet Chem Balance 4	A21D216	10/12/21	Cyanide working -1-			
A20J476	10/29/29	Syringe Filters, 0.45 um PP	A21D279	10/16/21	Cyanide working -2- TOTAL			
A21D004	09/28/21	Total CN-TA2/SAR-working						
A21D208	04/11/22	0.1 N NaOH						
A21D338	10/20/21	Total CN-TA1 working						

Prepared By: WVO Date: 5/13/21

Reviewed By: das Date: 05/14/2021

Analyst Review: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1050403 (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	>11
	1050403-BLK1	QC	05/12/21 11:31	2.5	50								
	1050403-BS1	QC	05/12/21 11:31	2.5	50	A21D279		100					
	A1E0231-04	A Cyanide, Total (ASTM D7511, OIA)	05/12/21 11:31	2.5 <i>699</i>	50					USMPDI-035SG-210504			
	1050403-MS1	QC	05/12/21 11:31	2.5 <i>715</i>	50	A21D216	A1E0231-04	200					
	1050403-MSD1	QC	05/12/21 11:31	2.5 <i>535</i>	50	A21D216	A1E0231-04	200					

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19J023	11/30/23	Wet Chem Balance 4	A21D216	10/12/21	Cyanide working -1-			
A20J476	10/29/29	Syringe Filters, 0.45 um PP	A21D279	10/16/21	Cyanide working -2- TOTAL			
A21D004	09/28/21	Total CN-TA2/SAR-working						
A21D208	04/11/22	0.1 N NaOH						
A21D338	10/20/21	Total CN-TA1 working						

MWB
Prepared By: _____ Date: *5/12/21*

Reviewed By: _____ Date: _____

Analyst Review: _____ Date: _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 1E12050

Instrument: OIA FS3000-2

Date: 05/12/21 10:32

Calibration: A1E1202

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E12050-CAL1	Soil	QC	QC				
2	1E12050-CAL2	Soil	QC	QC				A21D219
3	1E12050-CAL3	Soil	QC	QC				A21D220
4	1E12050-CAL4	Soil	QC	QC				A21D221
5	1E12050-CAL5	Soil	QC	QC				A21D222
6	1E12050-CAL6	Soil	QC	QC				A21D223
7	1E12050-CAL7	Soil	QC	QC				A21D218
8	1E12050-ICV1	Soil	QC	QC				A21E027
9	1E12050-ICB1	Soil	QC	QC				
10	1050296-BS2	Soil	QC	QC		1050296		
11	1050296-BLK1	Soil	QC	QC		1050296		
12	1050296-BS1	Soil	QC	QC		1050296		
13	A1E0180-18	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
14	A1E0180-19	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
15	A1E0180-22	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
16	A1E0180-23	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
17	1050296-MS1	Soil	QC	QC		1050296		
18	1050296-MSD1	Soil	QC	QC		1050296		
19	A1E0180-24	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
20	1E12050-CCV1	Soil	QC	QC				A21D223
21	1E12050-CCB1	Soil	QC	QC				
22	A1E0180-25	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
23	A1E0180-26	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
24	A1E0180-27	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
25	A1E0206-05	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/17/21	1050296		
26	1050296-MS2	Soil	QC	QC		1050296		
27	1050296-MSD2	Soil	QC	QC		1050296		
28	A1E0206-06	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/17/21	1050296		
29	A1E0225-07	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
30	A1E0225-08	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
31	A1E0225-09	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
32	1E12050-CCV2	Soil	QC	QC				A21D223
33	1E12050-CCB2	Soil	QC	QC				
34	A1E0225-14	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
35	A1E0225-15	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
36	A1E0225-20	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
37	A1E0225-21	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
38	A1E0231-01	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
39	A1E0231-02	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
40	A1E0231-03	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
41	1050403-BLK1	Soil	QC	QC		1050403		
42	1050403-BS1	Soil	QC	QC		1050403		
43	A1E0231-04	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050403		
44	1E12050-CCV3	Soil	QC	QC				A21D223
45	1E12050-CCB3	Soil	QC	QC				
46	1050403-MS1	Soil	QC	QC		1050403		
47	1050403-MSD1	Soil	QC	QC		1050403		
48	A1E0180-22RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
49	A1E0180-19RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
50	A1E0180-24RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		

Sequence: **1E12050**
 Date: **05/12/21 10:32**

Instrument: **OIA FS3000-2**
 Calibration: **A1E1202**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
51	A1E0180-25RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
52	A1E0180-26RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
53	A1E0180-27RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
54	A1E0206-05RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/17/21	1050296		
55	1050296-MS3	Soil	QC	QC		1050296		
56	1E12050-CCV4	Soil	QC	QC				A21D223
57	1E12050-CCB4	Soil	QC	QC				
58	1050296-MSD3	Soil	QC	QC		1050296		
59	A1E0225-07RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
60	A1E0225-08RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
61	A1E0225-14RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
62	A1E0225-15RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
63	A1E0225-20RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
64	A1E0225-21RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
65	A1E0231-01RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
66	1E12050-CCV5	Soil	QC	QC				A21D223
67	1E12050-CCB5	Soil	QC	QC				
68	A1E0231-04RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050403		
69	1050403-MS2	Soil	QC	QC		1050403		
70	1050403-MSD2	Soil	QC	QC		1050403		
71	A1E0180-22RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/14/21	1050296		
72	A1E0225-15RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
73	A1E0225-21RE2	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/18/21	1050296		
74	1E12050-CCV6	Soil	QC	QC				A21D223
75	1E12050-CCB6	Soil	QC	QC				

Reagent	Description:	Expires:
A20J476	Syringe Filters, 0.45 um PP	10/29/2029
A21D004	Total CN-TA2/SAR-working	9/28/2021
A21D208	0.1 N NaOH	4/11/2022
A21D338	Total CN-TA1 working	10/20/2021
Standard	Description:	Expires:
A21D218	CN Cal STD 50ppb	10/12/2021
A21D219	CN Cal STD 1ppb	10/12/2021
A21D220	CN Cal STD 2ppb	10/12/2021
A21D221	CN Cal STD 5ppb	10/12/2021
A21D222	CN Cal STD 10ppb	10/12/2021
A21D223	CN Cal STD 25ppb	10/12/2021
A21E027	CN ICV 25 ppb	5/18/2021

Data Entered By/Date: W/O 5/13/21 Comments:

Data Reviewed By/Date: das 05/14/2021

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\1E12050.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 12-May-21
 Time acquired 15:40

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

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	1119076	26.597				
Sync 25 ppb	1144833	27.272				
Sync 25 ppb	1142480	27.210				
(Statistics)				1135463	27.026	1.25% ✓
Carryover	57237	0.923				<3%, okay. das 05/14/2021
Read Baseline	24554	0.199	BL UM			
Cal 0.0 ppb	26523	0.243				
Cal 1.0 ppb	51580	0.797				
Cal 2.0 ppb	118705	2.294				
Read Baseline	34366	0.416	BL			
Cal 5.0 ppb	252234	5.323				
Cal 10.0 ppb	437781	9.641				
Read Baseline	14110	-0.031	BL			
Cal 25.0 ppb	1059528	25.046				
Cal 50.0 ppb	1962982	49.998				
Read Baseline	-3119	-0.410	BL			
1E12050-ICV1	986309	23.157				
1E12050-ICB1	-19809	-0.777	LO			
Read Baseline	-38520	-1.186	BL			
1050296-BS2	52168	0.810				
1050296-BLK1	-50325	-1.444	LO			
1050296-BS1	806774	18.609				
Read Baseline	4500	-0.243	BL			
A1E0180-18e5	1894164	47.990				
A1E0180-19e5	6646528	228.115	HI			
A1E0180-22e5	508458	11.319	FL			
Read Baseline	23686	0.180	BL			

*HI - NR. Need dilution
 FL - NR. over diluted
 WVO 5/13/21*

Result path C:\FLOW_4\1E12050.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 12-May-21
 Time acquired 15:40

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

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
A1E0180-23@5	942214	22.029				
1050296-MS1@5	549665	12.307				
Read Baseline	33692	0.401	BL			
1050296-MSD1@5	575923	12.939				
A1E0180-24@5	282567	6.020				
Read Baseline	46099	0.676	BL			
1E12050-CCV1	1136328	27.048				
1E12050-CCB1	52775	0.824				
Read Baseline	9680	-0.129	BL			
A1E0180-25@5	2229671	57.945	HI			
A1E0180-26@5	2616461	69.943	HI			
A1E0180-27@5	1462171	35.790	FL			
Read Baseline	36726	0.468	BL			
A1E0206-05@5	279767	5.955				
1050296-MS2@5	352237	7.634				
1050296-MSD2@5	459096	10.145				
Read Baseline	4940	-0.233	BL			
A1E0206-06@5	1742431	43.626				
A1E0225-07@5	242982	5.111				
Read Baseline	22903	0.163	BL			
A1E0225-08@5	2385152	62.701	HI			
A1E0225-09@5	1799943	45.270	FL			
Read Baseline	13517	-0.044	BL			
1E12050-CCV2	1023189	24.106				
1E12050-CCB2	-45533	-1.339	LO			
Read Baseline	-53686	-1.517	BL			
A1E0225-14@5	182365	3.730				
A1E0225-15@5	668627	15.192				
Read Baseline	36977	0.474	BL			
A1E0225-20@5	240115	5.045				
A1E0225-21@5	730608	16.717				
A1E0231-01@5	176283	3.592				
Read Baseline	-17722	-0.731	BL			
A1E0231-02@5	212275	4.409				
A1E0231-03@5	203848	4.218				
Read Baseline	91387	1.683	BL			
Read Baseline	16769	0.027	BL			

BL ~~NR~~ W/O 5/13/21
 NR. over diluted
 BL
 HI } NR. Need dilution
 HI }
 FL }
 BL }
 NR. over diluted.
 NR. over diluted
 BL
 HI } NR. Need Dilution
 FL }
 BL }
 LO }
 BL }
 NR over diluted.
 BL
 BL
 BL

W/O 5/13/21

Result path C:\FLOW_4\1E12050.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 12-May-21
 Time acquired 15:40

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

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
1050403-BLK1	3994	-0.254	LO			
1050403-BS1	859154	19.924				
Read Baseline	30174	0.323	BL			
A1E0231-04@5	235292	4.935	- NR			
Read Baseline	18976	0.076	BL			
1E12050-CCV3	1110073	26.361				
1E12050-CCB3	74421	1.305				
Read Baseline	66083	1.119	BL			
1050403-MS1@5	400293	8.758				
1050403-MSD1@5	344187	7.447				
Read Baseline	23089	0.167	BL			
A1E0180-22RE1@2	537349	12.011	- NR			
A1E0180-19RE1@25	1544365	38.058				
A1E0180-24RE1	989731	23.245				
Read Baseline	34436	0.418	BL			
A1E0180-25RE1@10	1175258	28.072				
A1E0180-26RE1@10	1385702	33.703				
A1E0180-27RE1@5	1412342	34.428	- NR			
Read Baseline	9063	-0.142	BL			
A1E0206-05RE1	252827	5.336				
1050296-MS3	354264	7.681				
Read Baseline	14922	-0.013	BL			
1E12050-CCV4	1105901	26.252				
1E12050-CCB4	45834	0.670				
Read Baseline	28403	0.284	BL			
1050296-MSD3	475060	10.524				
A1E0225-07RE1	825477	19.078				
A1E0225-08RE1@10	1437849	35.124				
Read Baseline	5993	-0.210	BL			
A1E0225-14RE1	790099	18.193				
A1E0225-15RE1	2729750	73.562	HI			
Read Baseline	6418	-0.201	BL			
A1E0225-20RE1	722489	16.516	FL			
A1E0225-21RE1	2886954	78.664	HI			
A1E0231-01RE1	777326	17.875	FL			
Read Baseline	21529	0.132	BL			
Read Baseline	-16230	-0.698	BL			

over diluted

NR. Over diluted

NR - Re run to confirm

NR. Need dilution

NR. Need dilution

WWS 5/13/21

Result path C:\FLOW_4\1E12050.RST
 Sample table path C:\FLOW_4\totcn50.tbl
 Method path C:\FLOW_4\totcn50.mth
 Date acquired 12-May-21
 Time acquired 15:40

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

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
1E12050-CCV5	1125238	26.758				
1E12050-CCB5	40632	0.555				
Read Baseline	32286	0.370	BL			
A1E0231-04RE1	750953	17.220				
1050403-MS2	1312316	31.721				
1050403-MSD2	1305568	31.540				
Read Baseline	-283	-0.348	BL			
A1E0180-22RE2	1091077	25.866				
A1E0225-15RE2@2	1547003	38.131				
A1E0225-21RE2@2	1626783	40.357				
Read Baseline	29359	0.305	BL			
1E12050-CCV6	1133236	26.967				
1E12050-CCB6	60365	0.992				
Read Baseline	3714	-0.260	BL			

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\1E12050.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 12-May-21
Time acquired 15:40

Date	Time	Cup	Name
12-May-21	11:15	106	Sync 25 ppb
12-May-21	11:17	106	Sync 25 ppb
12-May-21	11:19	106	Sync 25 ppb (Statistics)
12-May-21	11:21	0	Carryover
12-May-21	11:23	0	Read Baseline
12-May-21	11:25	101	Cal 0.0 ppb
12-May-21	11:27	102	Cal 1.0 ppb
12-May-21	11:29	103	Cal 2.0 ppb
12-May-21	11:31	0	Read Baseline
12-May-21	11:33	104	Cal 5.0 ppb
12-May-21	11:35	105	Cal 10.0 ppb
12-May-21	11:37	0	Read Baseline
12-May-21	11:39	106	Cal 25.0 ppb
12-May-21	11:41	107	Cal 50.0 ppb
12-May-21	11:43	0	Read Baseline
12-May-21	11:45	108	1E12050-ICV1
12-May-21	11:47	0	1E12050-ICB1
12-May-21	11:49	0	Read Baseline
12-May-21	11:51	109	1050296-BS2
12-May-21	11:53	110	1050296-BLK1
12-May-21	11:55	111	1050296-BS1
12-May-21	11:57	0	Read Baseline
12-May-21	11:59	112	A1E0180-18@5
12-May-21	12:01	113	A1E0180-19@5
12-May-21	12:03	114	A1E0180-22@5
12-May-21	12:05	0	Read Baseline

Result path C:\FLOW_4\1E12050.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 12-May-21
Time acquired 15:40

Date	Time	Cup	Name
12-May-21	12:07	115	A1E0180-23@5
12-May-21	12:09	116	1050296-MS1@5
12-May-21	12:11	0	Read Baseline
12-May-21	12:13	117	1050296-MSD1@5
12-May-21	12:15	118	A1E0180-24@5
12-May-21	12:17	0	Read Baseline
12-May-21	12:19	106	1E12050-CCV1
12-May-21	12:21	0	1E12050-CCB1
12-May-21	12:23	0	Read Baseline
12-May-21	12:25	119	A1E0180-25@5
12-May-21	12:27	120	A1E0180-26@5
12-May-21	12:29	121	A1E0180-27@5
12-May-21	12:31	0	Read Baseline
12-May-21	12:33	122	A1E0206-05@5
12-May-21	12:35	123	1050296-MS2@5
12-May-21	12:37	124	1050296-MSD2@5
12-May-21	12:39	0	Read Baseline
12-May-21	12:41	125	A1E0206-06@5
12-May-21	12:43	126	A1E0225-07@5
12-May-21	12:45	0	Read Baseline
12-May-21	12:47	127	A1E0225-08@5
12-May-21	12:49	128	A1E0225-09@5
12-May-21	12:51	0	Read Baseline
12-May-21	12:53	106	1E12050-CCV2
12-May-21	12:55	0	1E12050-CCB2
12-May-21	12:57	0	Read Baseline
12-May-21	12:59	129	A1E0225-14@5
12-May-21	13:01	130	A1E0225-15@5
12-May-21	13:03	0	Read Baseline
12-May-21	13:05	131	A1E0225-20@5
12-May-21	13:07	132	A1E0225-21@5
12-May-21	13:09	133	A1E0231-01@5
12-May-21	13:11	0	Read Baseline
12-May-21	13:13	134	A1E0231-02@5
12-May-21	13:15	135	A1E0231-03@5
12-May-21	13:29	0	Read Baseline
12-May-21	13:31	0	Read Baseline

Result path C:\FLOW_4\1E12050.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 12-May-21
Time acquired 15:40

Date	Time	Cup	Name
12-May-21	13:33	136	1050403-BLK1
12-May-21	13:35	137	1050403-BS1
12-May-21	13:37	0	Read Baseline
12-May-21	13:39	138	A1E0231-04@5
12-May-21	13:41	0	Read Baseline
12-May-21	13:43	106	1E12050-CCV3
12-May-21	13:45	0	1E12050-CCB3
12-May-21	13:47	0	Read Baseline
12-May-21	13:49	139	1050403-MS1@5
12-May-21	13:51	140	1050403-MSD1@5
12-May-21	13:53	0	Read Baseline
12-May-21	13:55	114	A1E0180-22RE1@2
12-May-21	13:57	113	A1E0180-19RE1@25
12-May-21	13:59	118	A1E0180-24RE1
12-May-21	14:01	0	Read Baseline
12-May-21	14:03	119	A1E0180-25RE1@10
12-May-21	14:05	120	A1E0180-26RE1@10
12-May-21	14:07	121	A1E0180-27RE1@5
12-May-21	14:09	0	Read Baseline
12-May-21	14:11	122	A1E0206-05RE1
12-May-21	14:13	123	1050296-MS3
12-May-21	14:15	0	Read Baseline
12-May-21	14:17	106	1E12050-CCV4
12-May-21	14:19	0	1E12050-CCB4
12-May-21	14:21	0	Read Baseline
12-May-21	14:23	124	1050296-MSD3
12-May-21	14:25	126	A1E0225-07RE1
12-May-21	14:27	127	A1E0225-08RE1@10
12-May-21	14:29	0	Read Baseline
12-May-21	14:31	129	A1E0225-14RE1
12-May-21	14:33	130	A1E0225-15RE1
12-May-21	14:35	0	Read Baseline
12-May-21	14:37	131	A1E0225-20RE1
12-May-21	14:39	132	A1E0225-21RE1
12-May-21	14:41	133	A1E0231-01RE1
12-May-21	14:43	0	Read Baseline
12-May-21	14:58	0	Read Baseline

Result path C:\FLOW_4\1E12050.RST
Sample table path C:\FLOW_4\totcn50.tbl
Method path C:\FLOW_4\totcn50.mth
Date acquired 12-May-21
Time acquired 15:40

Date	Time	Cup	Name
12-May-21	15:00	106	1E12050-CCV5
12-May-21	15:02	0	1E12050-CCB5
12-May-21	15:04	0	Read Baseline
12-May-21	15:06	138	A1E0231-04RE1
12-May-21	15:08	139	1050403-MS2
12-May-21	15:10	140	1050403-MSD2
12-May-21	15:12	0	Read Baseline
12-May-21	15:14	114	A1E0180-22RE2
12-May-21	15:16	130	A1E0225-15RE2@2
12-May-21	15:18	132	A1E0225-21RE2@2
12-May-21	15:20	0	Read Baseline
12-May-21	15:22	106	1E12050-CCV6
12-May-21	15:24	0	1E12050-CCB6
12-May-21	15:26	0	Read Baseline

File name: C:\FLOW_4\1E12050.RST

Date: 12-May-21

Operator: WVO

* Name	Conc	Area
* Cal 0.0 ppb	0.000000	26523.457031
* Cal 1.0 ppb	1.000000	51579.621094
* Cal 2.0 ppb	2.000000	118705.421875
* Cal 5.0 ppb	5.000000	252234.156250
* Cal 10.0 ppb	10.000000	437780.812500
* Cal 25.0 ppb	25.000000	1059528.500000
* Cal 50.0 ppb	50.000000	1962982.250000

Calib Coef:

$x = cy + by + a$

a: (intercept) -3.4174e-01

b: 2.1987e-05

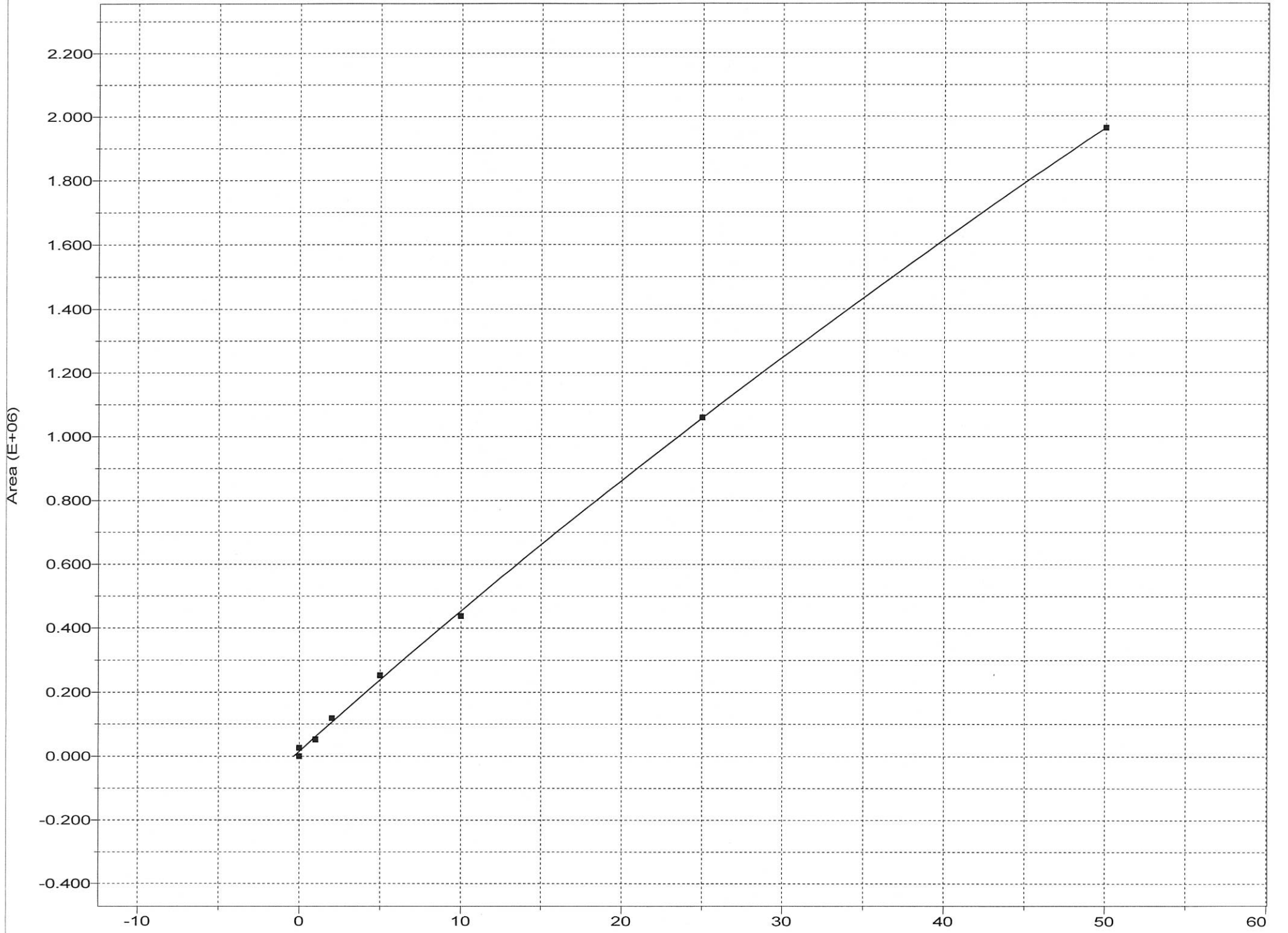
c: 1.8635e-12

Corr Coef: 0.999876

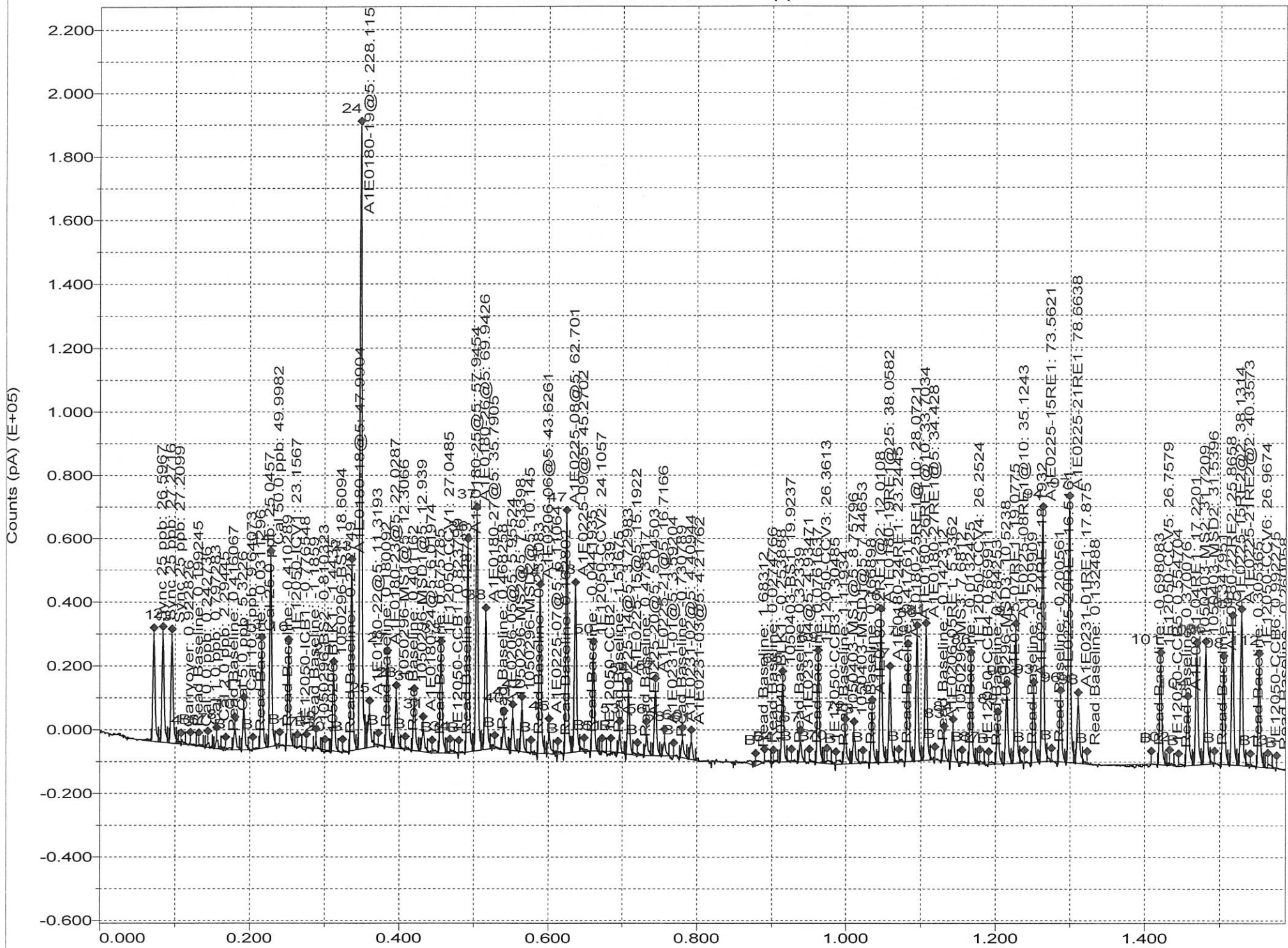
Carryover: n/a

No Drift Peaks

TOTAL CN 50ppb:Calibration 1: Peak 6-114



Channel 1: TOTAL CN 50ppb



Conventional Chemistry Parameters

**Total Organic Carbon- Soil (SM 5310 B)
Benchsheet Data (Including Calibration)**

Batch 1050456

Sequence 1E17045 (A1E0231-01RE1,02RE1,03RE1,04)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1050456 (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	2-11	>11
	1050456-BLK1	QC	05/13/21 10:40	0.2	0.2									
	1050456-BS1	QC	05/13/21 10:40	0.2	0.2	A21D475		1						
	A1E0045-06	A Total Organic Carbon - Soil (5310 B)	05/13/21 10:40	0.2	0.2					Nutrients				
	A1E0225-13	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-031SC-A-04-05-210504				
	A1E0225-13	A Total Organic Carbon - Soil (5310 B)	05/13/21 10:40	0.2	0.2					USMPDI-031SC-A-04-05-210504	Added for BatchQC in: 1050456			
	1050456-DUP1	QC	05/13/21 10:40	0.2	0.2		A1E0225-13							
	1050456-DUP2	QC	05/13/21 10:40	0.2	0.2		A1E0225-13							
	A1E0225-16	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-035SC-A-01-02-210504				
	A1E0225-17	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-035SC-A-02-03-210504				
	A1E0225-18	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-035SC-A-03-04-210504				
	A1E0225-19	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-035SC-A-04-05-210504				
	A1E0231-01	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-028SG-210504				
	A1E0231-01RE1	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-028SG-210504	Added 5/17/2021 by wvo			
	A1E0231-02	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-030SG-210504				
	A1E0231-02RE1	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-030SG-210504	Added 5/17/2021 by wvo			
	A1E0231-03	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-031SG-210504				
	A1E0231-03RE1	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-031SG-210504	Added 5/17/2021 by wvo			
	A1E0231-04	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					USMPDI-035SG-210504				
	A1E0393-01	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					WC-ST001				
	A1E0393-01	A Total Organic Carbon - Soil (5310 B)	05/13/21 10:40	0.2	0.2					WC-ST001	Added for BatchQC in: 1050456			

Prepared By: Wvo Date: 5/18/21 Reviewed By: das Date: 05/18/2021 Analyst Review: _____ Date: _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 1050456 (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
	1050456-DUP3	QC	05/13/21 10:40	0.2	0.2		A1E0393-01							
	A1E0393-02	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					WC-ST002				
	A1E0393-03	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					WC-ST003				
	A1E0393-04	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					WC-ST004				
	A1E0393-05	A Total Organic Carbon - Sediment (PSEP/BC)	05/13/21 10:40	0.2	0.2					WC-ST1004				

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19F020	06/03/29	TOC Soil Drying Oven @70oC	A21D475	10/27/21	TOC 10k ppm secondary			
A19J023	11/30/23	Wet Chem Balance 4						
A19J145	05/30/22	TOC Soil Blank Matrix						
A19K369	11/27/24	VWR002V						
A20J425	11/30/23	Wet Chem Balance 5						
A21E134	11/11/21	10% Phosphoric Acid						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Analyst Review: _____ Date _____

Batch#: 1050456

TOC soil drying

Date: 05/13/21

Analyst: wvo

Page: 1 of

Effervesces? (Y or N)

Sample ID	Tare Weight (g)	Wet Weight (g)	Dried Weight (g)				Comments	Effervesces? (Y or N)	Correction Factor
			1 st weighing	2nd Weighing	3rd Weighing	4th Weighing			
1050456-BLK1									
1050456-BS1									
A1E0045-06	1.2573	10.3905	10.3580	10.3555			Y	0.99617	
A1E0225-13	1.2612	10.1689	6.0637	6.0612			N	0.53886 -	
1050456-DUP1	1.2661	10.4362	6.2297	6.2259		A1E0225-13	N	0.54087	
1050456-DUP2						1050456-DUP1	N		
A1E0225-16	1.2526	10.3987	6.3683	6.3700			N	0.55933 -	
A1E0225-17	1.2622	10.2346	6.1960	6.1965			N	0.54989 -	
A1E0225-18	1.2505	10.2203	6.1637	6.1635			N	0.54773 -	
A1E0225-19	1.2648	10.0769	6.1512	6.1489			N	0.55425 -	
A1E0231-01	1.2626	10.6126	5.5838	5.5795			N	0.46170 -	
A1E0231-02	1.2563	10.3593	6.5796	6.5761			N	0.58440 -	
A1E0231-03	1.2623	10.2512	5.4416	5.4387			N	0.46462 -	
A1E0231-04	1.2648	10.3503	5.8665	5.8633			N	0.50614 -	
A1E0393-01	1.2644	10.3660	4.2026	4.1992			N	0.32245 -	
1050456-DUP3	1.2604	10.2548	3.9109	3.9108		A1E0393-01	N	0.29467 -	
A1E0393-02	1.2512	10.6418	3.7380	3.7369			N	0.26470 -	
A1E0393-03	1.2482	10.2820	3.9278	3.9287			N	0.29662 -	
A1E0393-04	1.2600	10.5203	3.7536	3.7509			N	0.26899 -	
A1E0393-05	1.2583	10.3161	3.7629	3.7603			N	0.27623 -	

Batch#: 1050456

TOC soil acidification

Date: _____

Analyst: wvo

Page : _____

Sample ID	Tare Weight (g)	Pre-acidification Weight (g)	Dried Weight (g)	Comments	Correction Factor
1050456-BLK1				Please check for effervescence	1
1050456-BS1				Please check for effervescence	1
A1E0045-06	31.2991	32.6052	32.8024		1.150983845
A1E0225-13				no effervescence	1
1050456-DUP1				no effervescence	1
1050456-DUP2				no effervescence	1
A1E0225-16				no effervescence	1
A1E0225-17				no effervescence	1
A1E0225-18				no effervescence	1
A1E0225-19				no effervescence	1
A1E0231-01				no effervescence	1
A1E0231-02				no effervescence	1
A1E0231-03				no effervescence	1
A1E0231-04				no effervescence	1
A1E0393-01				no effervescence	1
1050456-DUP3				no effervescence	1
A1E0393-02				no effervescence	1
A1E0393-03				no effervescence	1
A1E0393-04				no effervescence	1
A1E0393-05				no effervescence	1
					1
					1
					1
					1
					1
					1
					1
					1
					1



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:

1E17045

Instrument:

TOC6

Date:

05/17/21 09:54

Calibration:

A0H1904

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E17045-CCV1	Soil	QC	QC				A21D399
2	1E17045-CCB1	Soil	QC	QC				
3	A1E0231-01RE1	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	05/18/21	1050456		
4	A1E0231-02RE1	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	05/18/21	1050456		
5	A1E0231-03RE1	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	05/18/21	1050456		
6	A1E0231-04	Soil	Total Organic Carbon - Sediment (PS)	Anchor QEA, LLC	05/18/21	1050456		
7	A1E0393-01	Soil	Total Organic Carbon - Sediment (PS)		05/24/21	1050456		
"	"	Soil	Total Organic Carbon - Soil (5310 B)	(QC Source)		1050456		
8	1050456-DUP3	Soil	QC	QC		1050456		
9	A1E0393-02	Soil	Total Organic Carbon - Sediment (PS)		05/24/21	1050456		
10	A1E0393-03	Soil	Total Organic Carbon - Sediment (PS)		05/24/21	1050456		
11	A1E0393-04	Soil	Total Organic Carbon - Sediment (PS)		05/24/21	1050456		
12	A1E0393-05	Soil	Total Organic Carbon - Sediment (PS)		05/24/21	1050456		
13	1E17045-CCV2	Soil	QC	QC				A21D399
14	1E17045-CCB2	Soil	QC	QC				

Standard	Description:	Expires:
A21D399	TOC 10k ppm primary	10/27/2021

Data Entered By/Date: MVD 5/18/21 Comments:

Data Reviewed By/Date: das 05/18/2021

Sequence: 1E17045

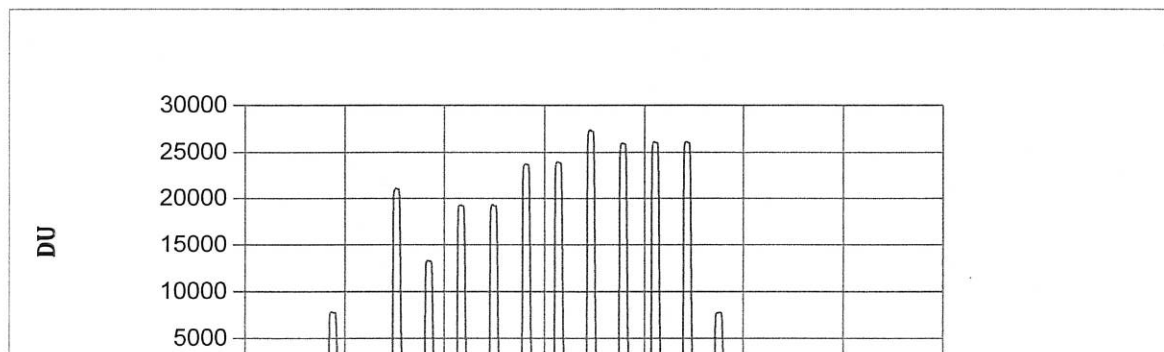
TOC soil final data

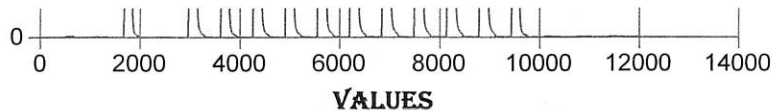
Analyst: WVO

Sample ID	>>> IF <<< sample is a QC reshot, replace formula with sample ID used for drying	Skalar TOC result (mg/kg)	70 °C drying correction factor (if not dried = 1)	acidification correction factor (if not acidified = 1)	Result for Element (mg/kg)
1E17045-CCV1	1E17045-CCV1	9552.27	1	1	9552.27
1E17045-CCB1	1E17045-CCB1	46.354	1	1	46.354
A1E0231-01RE1	A1E0231-01	24485.357	0.4617	1	11304.88933
A1E0231-02RE1	A1E0231-02	15398.353	0.5844	1	8998.797493
A1E0231-03RE1	A1E0231-03	22456.566	0.46462	1	10433.76969
A1E0231-04	A1E0231-04	22435.455	0.50614	1	11355.48119
A1E0393-01	A1E0393-01	27869.096	0.32245	1	8986.390005
1050456-DUP3	1050456-DUP3	28380.097	0.29467	1	8362.763183
A1E0393-02	A1E0393-02	32238.235	0.2647	1	8533.460805
A1E0393-03	A1E0393-03	30692.353	0.29662	1	9103.965747
A1E0393-04	A1E0393-04	30884.795	0.26899	1	8307.701007
A1E0393-05	A1E0393-05	30595.198	0.27623	1	8451.311544
1E17045-CCV2	1E17045-CCV2	9553.05	1	1	9553.05
1E17045-CCB2	1E17045-CCB2	87.104	1	1	87.104

Method:	TCDirect	Run Start Time:	5/17/2021 11:03:03
Method Type:	TC_DIRECT	Run End Time:	5/17/2021 2:23:53 P
Table:	1E17045	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020210517A0

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A100	PRIME	200	118.914	0.024	15913.12	5/17/2021 11:03:18 AM
A2	BLANK	200	50.964	0.01	6820	5/17/2021 11:15:01 AM
A1	1E17045-CCV1	200	9552.27	1.91	1278293.73	5/17/2021 11:25:55 AM
A2	1E17045-CCB1	200	46.354	0.009	6203.18	5/17/2021 11:36:42 AM
A3	A1E0231-01RE1	205.4	24485.357	5.029	3365123.05	5/17/2021 11:47:29 AM
A4	A1E0231-02RE1	206.8	15398.353	3.184	2130683.18	5/17/2021 11:58:15 AM
A5	A1E0231-03RE1	205.8	22456.566	4.622	3092308.275	5/17/2021 12:09:02 PM
A6	A1E0231-04	206.3	22435.455	4.628	3096907.17	5/17/2021 12:19:48 PM
A7	A1E0393-01	205.1	27869.096	5.716	3824570.01	5/17/2021 12:30:34 PM
A8	1050456-DUP3	203.4	28380.097	5.773	3862414.6	5/17/2021 12:41:20 PM
A9	A1E0393-02	205.6	32238.235	6.628	4434947.05	5/17/2021 12:52:06 PM
A10	A1E0393-03	204.8	30692.353	6.286	4205854.14	5/17/2021 1:02:53 PM
A11	A1E0393-04	204.2	30884.795	6.307	4219825.935	5/17/2021 1:13:41 PM
A12	A1E0393-05	206.8	30595.198	6.327	4233483.46	5/17/2021 1:24:28 PM
A13	1E17045-CCV2	200	9553.05	1.911	1278398.14	5/17/2021 1:35:15 PM
A2	1E17045-CCB2	200	87.104	0.017	11656.37	5/17/2021 1:46:02 PM
A1	CLEAN1	200	47.919	0.01	6412.52	5/17/2021 1:56:56 PM
A13	CLEAN13	200	97.017	0.019	12982.88	5/17/2021 2:07:42 PM





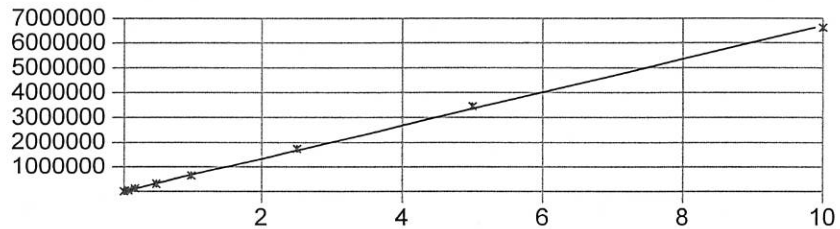
SNACCESS

RUN NAME : SN10020200818A3 METHOD NAME : TCDIRECT CALIBRATION TYPE : I

ORDER FORCED THRO ZERO GROUP : 1

A = 0.0000000000000000 B = 669104.68364697200000 R = 0.99973664180877 R-

SQUARED = 0.99942005573222



Conventional Chemistry Parameters

**Total Organic Carbon- Soil (SM 5310 B)
Benchsheet Data (Including Calibration)**

Sequence 1E14029 (QC Only)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 1E14029
Date: 05/14/21 11:06

Instrument: TOC6
Calibration: A0H1904

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E14029-CCV1	Soil	QC	QC				A21D399
2	1E14029-CCB1	Soil	QC	QC				
3	1050456-BLK1	Soil	QC	QC		1050456		
4	1050456-BS1	Soil	QC	QC		1050456		
5	A1E0045-06	Soil	Total Organic Carbon - Soil (5310 B)		06/03/21	1050456		
6	A1E0225-13	Soil	Total Organic Carbon - Soil (5310 B)	(QC Source)		1050456		
7	"	Soil	Total Organic Carbon - Sediment (PSI)	"	05/18/21	1050456		
8	1050456-DUP1	Soil	QC	QC		1050456		
9	1050456-DUP2	Soil	QC	QC		1050456		
10	A1E0225-16	Soil	Total Organic Carbon - Sediment (PSI)	Anchor QEA, LLC	05/18/21	1050456		
11	A1E0225-17	Soil	Total Organic Carbon - Sediment (PSI)	Anchor QEA, LLC	05/18/21	1050456		
12	A1E0225-18	Soil	Total Organic Carbon - Sediment (PSI)	Anchor QEA, LLC	05/18/21	1050456		
13	A1E0225-19	Soil	Total Organic Carbon - Sediment (PSI)	Anchor QEA, LLC	05/18/21	1050456		
14	1E14029-CCV2	Soil	QC	QC				A21D399
15	1E14029-CCB2	Soil	QC	QC				
16	A1E0231-01	Soil	Total Organic Carbon - Sediment (PSI)	Anchor QEA, LLC	05/18/21	1050456		
17	A1E0231-02	Soil	Total Organic Carbon - Sediment (PSI)	Anchor QEA, LLC	05/18/21	1050456		
18	A1E0231-03	Soil	Total Organic Carbon - Sediment (PSI)	Anchor QEA, LLC	05/18/21	1050456		

Standard	Description:	Expires:
A21D399	TOC 10k ppm primary	10/27/2021

Data Entered By/Date: W0 5/17/21 Comments:

Data Reviewed By/Date: das 05/18/2021

Sequence: 1E14029

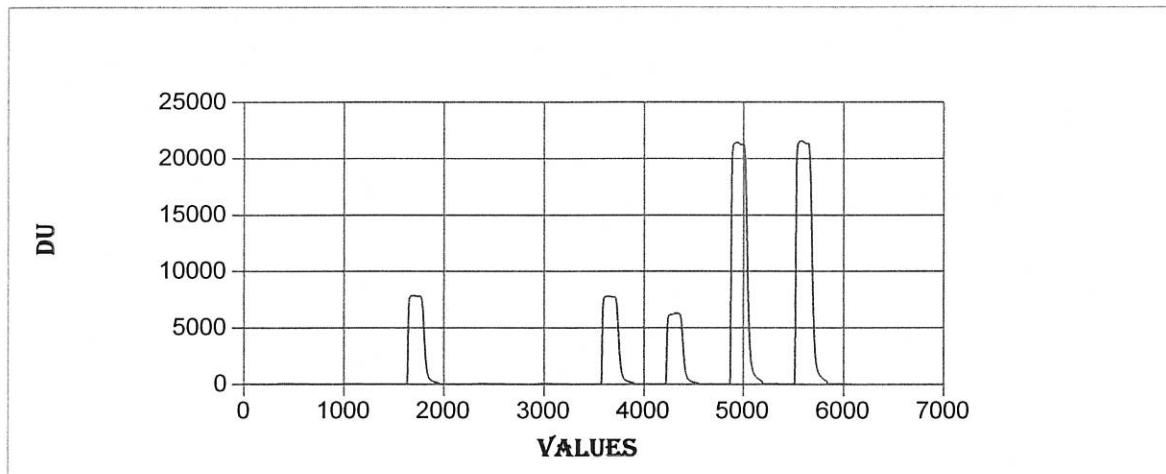
TOC soil final data

Analyst: WVO

Sample ID	>>> IF <<< sample is a QC reshot, replace formula with sample ID used for drying	Skalar TOC result (mg/kg)	70 °C drying correction factor (if not dried = 1)	acidification correction factor (if not acidified = 1)	Result for Element (mg/kg)
1E14029-CCV1	1E14029-CCV1	9920.362	1	1	9920.362
1E14029-CCB1	1E14029-CCB1	49.283	1	1	49.283
1050456-BLK1	1050456-BLK1	53.459	1	1	53.459
1050456-BS1	1050456-BS1	9946.484	1	1	9946.484
A1E0045-06	A1E0045-06	7785.773	1	1.150983845	8961.298944
A1E0225-13	A1E0225-13	26585.352	0.53886	1	14325.78278
1050456-DUP1	1050456-DUP1	26683.569	0.54087	1	14432.34197

Method:	TCDirect	Run Start Time:	5/14/2021 3:33:53 P
Method Type:	TC_DIRECT	Run End Time:	5/14/2021 5:15:40 P
Table:	1E14029	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020210514A2

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A100	PRIME	200	68.73	0.014	9197.525	5/14/2021 3:34:08 PM
A2	BLANK	200	0	0	0	5/14/2021 3:45:16 PM
A1	1E14029-CCV1	200	9920.362	1.984	1327552.19	5/14/2021 3:56:09 PM
A2	1E14029-CCB1	200	49.283	0.01	6595.07	5/14/2021 4:06:55 PM
A3	1050456-BLK1	213.2	53.459	0.011	7626.085	5/14/2021 4:17:43 PM
A4	1050456-BS1	200	9946.484	1.989	1331047.76	5/14/2021 4:28:29 PM
A5	A1E0045-06	205.1	7785.773	1.597	1068467.805	5/14/2021 4:39:16 PM
A6	A1E0225-13	205	26585.352	5.45	3646618.63	5/14/2021 4:50:03 PM
A7	1050456-DUP1	204.9	26683.569	5.467	3658305.265	5/14/2021 5:00:49 PM



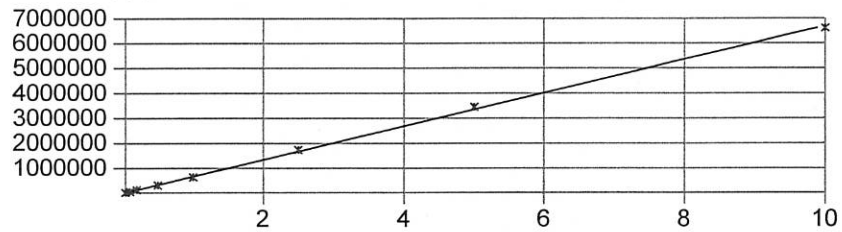
SNACCESS

RUN NAME : SN10020200818A3 METHOD NAME : TCDIRECT CALIBRATION TYPE : I

ORDER FORCED THRO ZERO GROUP : 1

A = 0.0000000000000000 B = 669104.68364697200000 R = 0.99973664180877 R-

SQUARED = 0.99942005573222



Sequence: 1E14029a

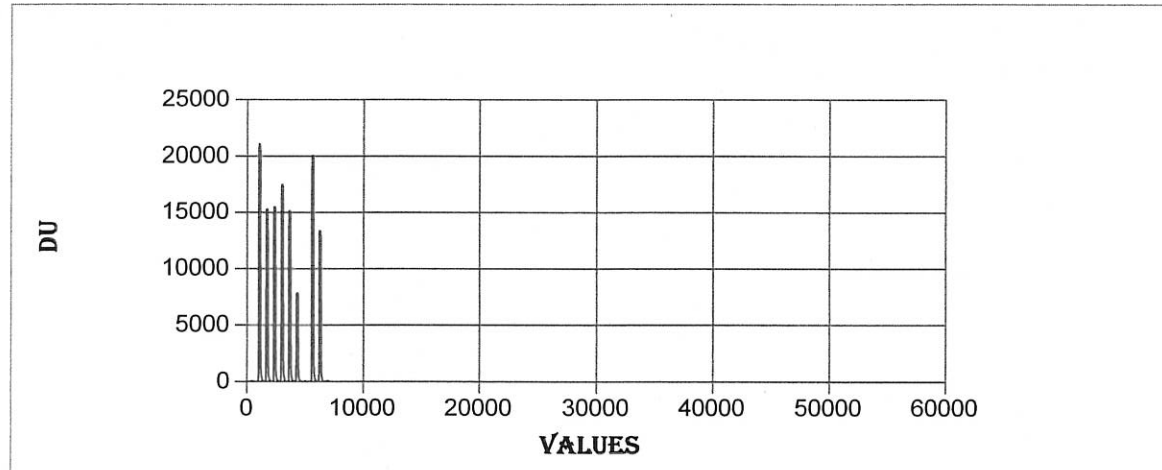
TOC soil final data

Analyst: WVO

Sample ID	>>> IF <<< sample is a QC reshot, replace formula with sample ID used for drying	Skalar TOC result (mg/kg)	70 °C drying correction factor (if not dried = 1)	acidification correction factor (if not acidified = 1)	Result for Element (mg/kg)
1050456-DUP2	1050456-DUP1	24713.456	0.54087	1	13366.76695
A1E0225-16	A1E0225-16	18135.086	0.55933	1	10143.49765
A1E0225-17	A1E0225-17	18343.209	0.54989	1	10086.7472
A1E0225-18	A1E0225-18	20698.349	0.54773	1	11337.1067
A1E0225-19	A1E0225-19	18035.821	0.55425	1	9996.353789
1E14029-CCV2	1E14029-CCV2	9784.308	1	1	9784.308
1E14029-CCB2	1E14029-CCB2	71.28	1	1	71.28
A1E0231-01	A1E0231-01	23960.316	0.4617	1	11062.4779
A1E0231-02	A1E0231-02	16172.019	0.5844	1	9450.927904
A1E0231-03	A1E0231-03	111.451	0.46462	1	51.78236362

Method:	TCDirect	Run Start Time:	5/14/2021 5:18:52 P
Method Type:	TC_DIRECT	Run End Time:	5/15/2021 9:57:37 A
Table:	1E14029A	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020210514A3

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A100	PRIME	200	77.162	0.015	10325.84	5/14/2021 5:21:57 PM
A8	1050456-DUP2	204.8	24713.456	5.061	3386550.135	5/14/2021 5:33:04 PM
A9	A1E0225-16	203.2	18135.086	3.685	2465683.9	5/14/2021 5:43:57 PM
A10	A1E0225-17	205	18343.209	3.76	2516073.105	5/14/2021 5:54:43 PM
A11	A1E0225-18	205.3	20698.349	4.249	2843274.075	5/14/2021 6:05:29 PM
A12	A1E0225-19	204.3	18035.821	3.685	2465462.255	5/14/2021 6:16:16 PM
A13	1E14029-CCV2	200	9784.308	1.957	1309345.24	5/14/2021 6:27:02 PM
A2	1E14029-CCB2	200	71.28	0.014	9538.82	5/14/2021 6:37:48 PM
A14	A1E0231-01	205.3	23960.316	4.919	3291361.305	5/14/2021 6:48:41 PM
A15	A1E0231-02	203	16172.019	3.283	2196617.08	5/14/2021 6:59:34 PM
A16	A1E0231-03	207.8	111.451	0.023	15496.18	5/14/2021 7:10:20 PM

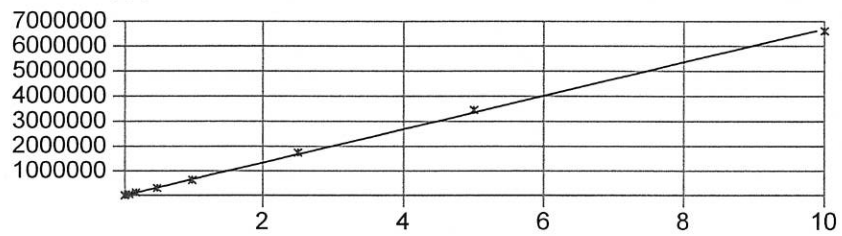


SNACCESS

RUN NAME : SN10020200818A3 METHOD NAME : TCDIRECT CALIBRATION TYPE : I

ORDER FORCED THRO ZERO GROUP : 1

A = 0.0000000000000000 B = 669104.68364697200000 R = 0.99973664180877 R-SQUARED = 0.99942005573222



Conventional Chemistry Parameters

**Total Organic Carbon- Soil (SM 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*

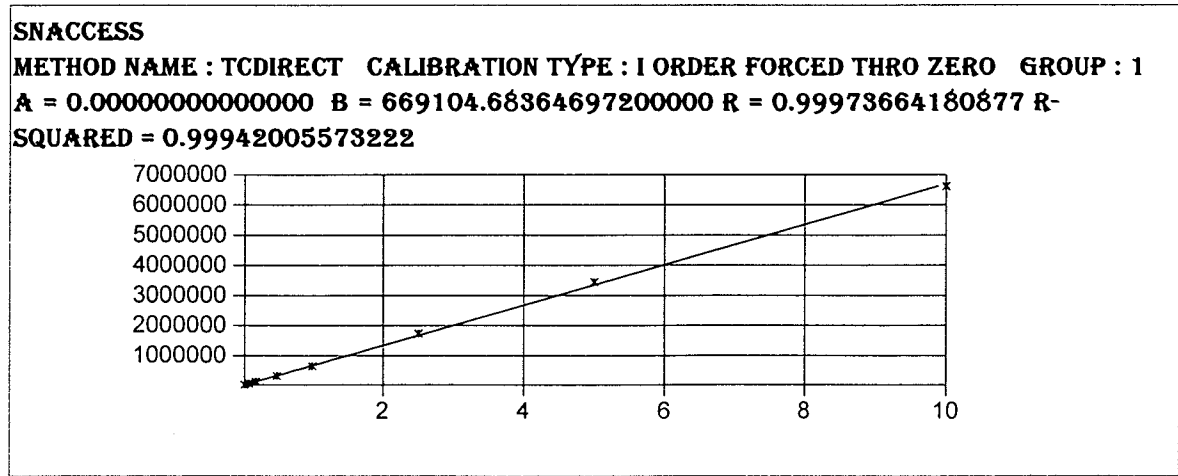
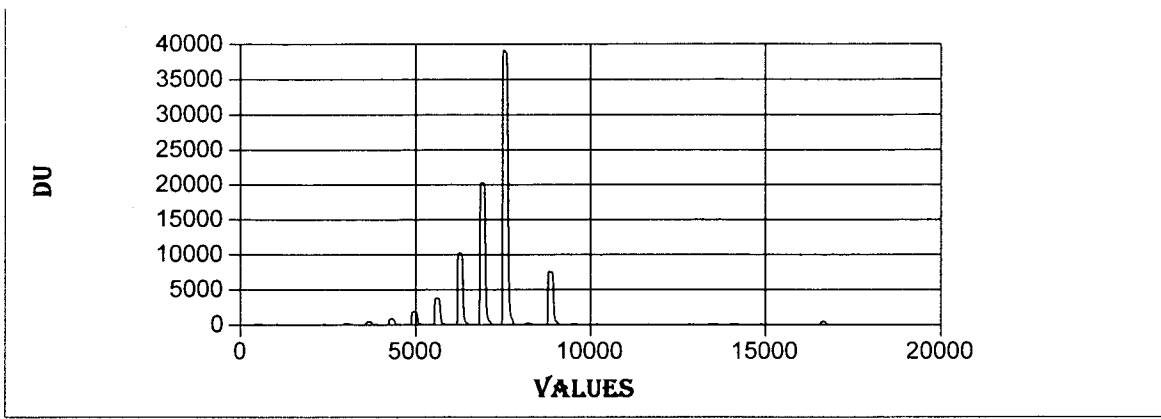
Comments:

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

Method: TCDirect Run Start Time: 8/18/2020 4:59:13 P
 Method Type: TC_DIRECT Run End Time: 8/18/2020 9:46:17 P
 Table: OH18059 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200818A3

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	prime	200	105.248	0.021	14084.43	8/18/2020 4:59:24 PM
A18	blank	200	0	0	0	8/18/2020 5:10:25 PM
A2	blank	200	19.356	0.004	2590.265	8/18/2020 5:21:20 PM
A18	OH18059-CAL1	200	0	0	0	8/18/2020 5:32:13 PM
A19	OH18059-CAL2	40	1140.934	0.046	30536.16	8/18/2020 5:43:07 PM
A20	OH18059-CAL3	100	1075.239	0.108	71944.735	8/18/2020 5:53:54 PM
A21	OH18059-CAL4	200	1074.057	0.215	143731.35	8/18/2020 6:04:42 PM
A22	OH18059-CAL5	50	9779.244	0.489	327166.91	8/18/2020 6:15:28 PM
A23	OH18059-CAL6	100	9754.176	0.975	652656.49	8/18/2020 6:26:14 PM
A24	OH18059-CAL7	250	10405.909	2.601	1740660.62	8/18/2020 6:37:07 PM
A25	OH18059-CAL8	500	10328.711	5.164	3455494.44	8/18/2020 6:47:54 PM
A26	OH18059-CAL9	1000	9895.069	9.895	6620837.05	8/18/2020 6:58:40 PM
A98	OH18059-IBL1	200	251.829	0.05	333699.97	8/18/2020 7:09:26 PM
A27	OH18059-ICV1	200	9819.341 ✓	1.964	1314033.455	8/18/2020 7:20:27 PM
A2	OH18059-ICB1	200	162.52 ✓	0.033	21748.54	8/18/2020 7:31:13 PM
A19	CLEAN19	200	85.855	0.017	11489.14	8/18/2020 7:42:06 PM
A20	CLEAN20	200	62.561	0.013	8372.015	8/18/2020 7:53:00 PM
A21	CLEAN21	200	48.713	0.01	6518.76	8/18/2020 8:03:53 PM
A22	CLEAN22	200	48.015	0.01	6425.385	8/18/2020 8:14:46 PM
A23	CLEAN23	200	69.557	0.014	9308.23	8/18/2020 8:25:32 PM
A24	CLEAN24	200	46.695	0.009	6248.81	8/18/2020 8:36:19 PM
A25	CLEAN25	200	89.279	0.018	11947.395	8/18/2020 8:47:05 PM
A26	CLEAN26	200	49.395	0.01	6610.08	8/18/2020 8:57:52 PM
A27	CLEAN27	200	50.304	0.01	6731.79	8/18/2020 9:08:38 PM
A28	CLEAN28	200	23.025	0.005	3081.205	8/18/2020 9:19:31 PM
A30	CLEAN30	200	558.249	0.112	74705.365	8/18/2020 9:30:18 PM

Handwritten notes:
 MWs 8/19/20
 2445 = 0.489
 4875 = 0.975
 13,005 = 2.601
 49475 = 9.895
 -230 -
 -540 -
 -1075 -
 0.0002
 25,820
 49475
 MW 8/19/20



Date : 8/19/2020

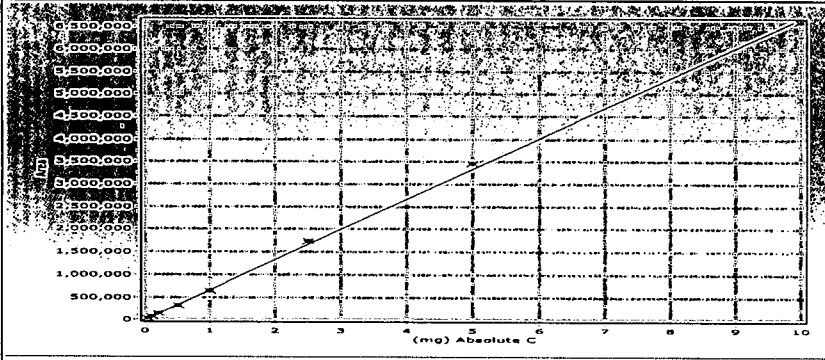
Run start date time : 8/18/2020 4:59:13 PM

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 1050259 (A1E0231-01,02,03,04)



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 1050259 (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
A1E0209-01	Solids, Total (SM 254)		05/07/21 16:26		1.2709	26.9937	8.2081	27.0	for sludge samples -- issue all-QC report
A1E0225-07	Dry Weight		05/07/21 16:26		1.2713	29.7045	14.8434	47.7	use TS data, make non-reportable
A1E0225-07	Solids, Total (SM 254)		05/07/21 16:26		1.2713	29.7045	14.8434	47.7	enter TS data in dry wt
A1E0225-08	Dry Weight		05/07/21 16:26		1.2654	30.1135	17.4278	56.0	use TS data, make non-reportable
A1E0225-08	Solids, Total (SM 254)		05/07/21 16:26		1.2654	30.1135	17.4278	56.0	enter TS data in dry wt
A1E0225-09	Dry Weight		05/07/21 16:26		1.2688	28.8558	16.9938	57.0	use TS data, make non-reportable
A1E0225-09	Solids, Total (SM 254)		05/07/21 16:26		1.2688	28.8558	16.9938	57.0	enter TS data in dry wt
A1E0225-13	Dry Weight		05/07/21 16:26		1.2732	28.7823	15.9726	53.4	use TS data, make non-reportable
A1E0225-13	Solids, Total (SM 254)		05/07/21 16:26		1.2732	28.7823	15.9726	53.4	enter TS data in dry wt
A1E0225-14	Dry Weight		05/07/21 16:26		1.2631	26.9305	14.0721	49.9	use TS data, make non-reportable
A1E0225-14	Solids, Total (SM 254)		05/07/21 16:26		1.2631	26.9305	14.0721	49.9	enter TS data in dry wt
A1E0225-15	Dry Weight		05/07/21 16:26		1.2604	27.3697	15.2423	53.6	use TS data, make non-reportable
A1E0225-15	Solids, Total (SM 254)		05/07/21 16:26		1.2604	27.3697	15.2423	53.6	enter TS data in dry wt
1050259-DUPI	QC	A1E0225-15	05/07/21 16:26		1.2583	27.5327	15.4508	54.0	
A1E0225-16	Dry Weight		05/07/21 16:26		1.2436	27.9297	15.7021	54.2	use TS data, make non-reportable
A1E0225-16	Solids, Total (SM 254)		05/07/21 16:26		1.2436	27.9297	15.7021	54.2	enter TS data in dry wt
A1E0225-17	Dry Weight		05/07/21 16:26		1.2557	28.9004	16.6911	55.8	use TS data, make non-reportable
A1E0225-17	Solids, Total (SM 254)		05/07/21 16:26		1.2557	28.9004	16.6911	55.8	enter TS data in dry wt
A1E0225-18	Dry Weight		05/07/21 16:26		1.2759	30.2217	16.9289	54.1	use TS data, make non-reportable
A1E0225-18	Solids, Total (SM 254)		05/07/21 16:26		1.2759	30.2217	16.9289	54.1	enter TS data in dry wt
A1E0225-19	Dry Weight		05/07/21 16:26		1.2699	27.5097	14.9577	52.2	use TS data, make non-reportable

Prepared By: JTR Date: 5/11/21

Reviewed By: das 05/11/2021 Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 1050259 (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
A1E0225-19	Solids, Total (SM 254		05/07/21 16:26		1.2699	27.5097	14.9577	52.2	enter TS data in dry wt
A1E0225-20	Dry Weight		05/07/21 16:26		1.2569	30.9006	16.9369	52.9	use TS data, make non-reportable
A1E0225-20	Solids, Total (SM 254		05/07/21 16:26		1.2569	30.9006	16.9369	52.9	enter TS data in dry wt
A1E0225-21	Dry Weight		05/07/21 16:26		1.2428	27.5407	15.7346	55.1	use TS data, make non-reportable
A1E0225-21	Solids, Total (SM 254		05/07/21 16:26		1.2428	27.5407	15.7346	55.1	enter TS data in dry wt
A1E0231-01	Dry Weight		05/07/21 16:26		1.2408	27.0311	12.8483	45.0	use TS data, make non-reportable
A1E0231-01	Solids, Total (SM 254		05/07/21 16:26		1.2408	27.0311	12.8483	45.0	enter TS data in dry wt
1050259-DUP2	QC	A1E0231-01	05/07/21 16:26		1.2439	26.9643	12.8309	45.0	
A1E0231-02	Dry Weight		05/07/21 16:26		1.2642	28.1827	16.8035	57.7	use TS data, make non-reportable
A1E0231-02	Solids, Total (SM 254		05/07/21 16:26		1.2642	28.1827	16.8035	57.7	enter TS data in dry wt
A1E0231-03	Dry Weight		05/07/21 16:26		1.255	26.4917	12.4324	44.3	use TS data, make non-reportable
A1E0231-03	Solids, Total (SM 254		05/07/21 16:26		1.255	26.4917	12.4324	44.3	enter TS data in dry wt
A1E0231-04	Dry Weight		05/07/21 16:26		1.2533	29.2044	14.8672	48.7	use TS data, make non-reportable
A1E0231-04	Solids, Total (SM 254		05/07/21 16:26		1.2533	29.2044	14.8672	48.7	enter TS data in dry wt

Prepared By: JTR Date: 5/11/21

Reviewed By: _____ Date: _____

Balance Checksheets

Extractions June 2021
Wet Chem May 2021

Balance Challenge Log

Extractions
AND FX-2000
ID# 5210177

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

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

Alternate Weight/ID used:

Date Range:

Month: June
Year: 2021

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Day/Time	Initials	Weight One	Observed	Weight Two	Observed
1 0654	SCG		0.51		300.00
2 0648	SCG		0.51		299.97
3 0649	SCG		0.50		299.94
4 0646	SCG		0.51		300.00
5 0653	SCG		0.49		300.00
6 0646	SCG		0.49		299.99
7 0653	SCG		0.49		300.00
8 0731	MEB		0.51		300.00
9 0650	SCG		0.49		299.96
10 07:45	JAG		0.51		299.97
11 0723	MEB		0.51		299.98
12					
13					
14 0653	SCG		0.50		300.00
15 0703	SCG		0.50		299.97
16 0646	SCG	0.50g	0.51	300.00g	299.99
17 0652	SCG		0.49		299.94
18 0647	SCG		0.49		299.96
19 0820	CAS		0.49		299.97
20			0.52		
21 0652	SCG		0.52		300.00
22 0658	SCG		0.52		299.96
23					
24					
25					
26					
27					
28					
29					
30					
31					

- SCG 06/08/2021
Ann's line of data
between on
6/7/21
← MEB 6/8/21

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%

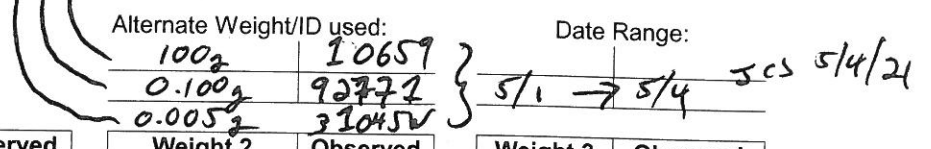
1000015949	0.005g	0.0045	0.0055
66067	0.100g	0.0995	0.1005
66067	100g	99.9000	100.1000

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

Month: May
 Year: 2021

Alternate Weight/ID used:

Date Range:



Day/Time	Initials
1 938	JTR
2	
3 938	JTR
4 905	JTR
5 0922	CAC
6 1003	JTR
7 1006	JTR
8	
9	
10 1008	JTR
11 724	JTR
12 925	JTR
13 1007	JTR
14 0904	CAC
15	
16	
17 0906	CAC
18 1000	JTR
19 1000	JTR
20 1002	amb
21 0916	CAC
22	
23	
24 0819	CAC
25 0813	amb
26 0826	JTR
27 0910	JTR
28 0810	JTR
29	
30	
31	

Weight 1	Observed
	100.000
	100.0001
	100.0001
	99.9998
	99.9999
	100.0002
	100.0021
	100.0002
	100.0011
	99.9991
	99.9997
100.0000g	
	99.9999
	100.0016
	100.0009
	100.0011
	99.9998
	99.9997
	99.9998
	100.0000
	99.9997
	99.9996

Weight 2	Observed
	0.0999
	0.0999
	0.1000
	0.1000
	0.0999
	0.0999
	0.0996
	0.0997
	0.1000
	0.1000
	0.1002
	0.0999
	0.0999
0.1000g	
	0.0997
	0.0999
	0.1000
	0.0998
	0.0999
	0.1000
	0.0999
	0.0999
	0.1000

Weight 3	Observed
	0.0051
	0.0051
	0.0049
	0.0049
	0.0049
	0.0049
	0.0050
	0.0052
	0.0050
	0.0049
	0.0049
	0.0050
	0.0048
	0.0048
	0.0045
	0.0049
	0.0050
	0.0050
	0.0050
	0.0052
	0.0050
	0.0048