



**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 #:  
A1D0625**

***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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**Sample Receipt Documentation**

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

**CLP-Like Forms**

**Raw Data**

**Organochlorine Pesticides by EPA 8081B**

**Benchsheet & Analysis Sequence Data**

Batch 1040792

Sequence 1D28029 (A1D0625-01.02)

**Calibration Data**

Sequence 1B22071 (Cal ID A1B2503) DUALECD8

Sequence 1B25056 (Cal ID A1B2503) DUALECD8

## Analytical Case Narrative

## **Analytical Case Narrative**

Client: Anchor QEA, LLC  
Project: US Moorings – C2,C3,C4  
Apex Work Order Number: A1D0625

Date: 06/21/2021

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

Thursday, June 10, 2021

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

RE: A1D0625 - 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 A1D0625, which was received by the laboratory on 4/15/2021 at 2:29:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: [dthomas@apex-labs.com](mailto: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.

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Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1                      4.8 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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ORELAP ID: OR100062

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A1D0625 - 06 10 21 1557</b>
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**ANALYTICAL REPORT FOR SAMPLES**

**SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-FB-2104151048	A1D0625-01	SQ	04/15/21 10:48	04/15/21 14:29
SG-RB-2104151020	A1D0625-02	SQ	04/15/21 10:20	04/15/21 14:29

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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
<b>SG-FB-2104151048 (A1D0625-01)</b>			<b>Matrix: SQ</b>		<b>Batch: 1040792</b>			
2,4'-DDD	ND	0.00485	0.00971	ug/L	1	04/28/21 14:35	EPA 8081B	
2,4'-DDE	ND	0.00485	0.00971	ug/L	1	04/28/21 14:35	EPA 8081B	
2,4'-DDT	ND	0.00485	0.00971	ug/L	1	04/28/21 14:35	EPA 8081B	
4,4'-DDD	ND	0.00485	0.00971	ug/L	1	04/28/21 14:35	EPA 8081B	
4,4'-DDE	ND	0.00485	0.00971	ug/L	1	04/28/21 14:35	EPA 8081B	
4,4'-DDT	ND	0.00485	0.00971	ug/L	1	04/28/21 14:35	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 67 %</i>		<i>Limits: 25-140 %</i>		<i>1</i>	<i>04/28/21 14:35</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>83 %</i>		<i>30-135 %</i>		<i>1</i>	<i>04/28/21 14:35</i>	<i>EPA 8081B</i>
<b>SG-RB-2104151020 (A1D0625-02)</b>			<b>Matrix: SQ</b>		<b>Batch: 1040792</b>			
2,4'-DDD	ND	0.00472	0.00943	ug/L	1	04/28/21 14:55	EPA 8081B	
2,4'-DDE	ND	0.00472	0.00943	ug/L	1	04/28/21 14:55	EPA 8081B	
2,4'-DDT	ND	0.00472	0.00943	ug/L	1	04/28/21 14:55	EPA 8081B	
4,4'-DDD	ND	0.00472	0.00943	ug/L	1	04/28/21 14:55	EPA 8081B	
4,4'-DDE	ND	0.00472	0.00943	ug/L	1	04/28/21 14:55	EPA 8081B	
4,4'-DDT	ND	0.00472	0.00943	ug/L	1	04/28/21 14:55	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 65 %</i>		<i>Limits: 25-140 %</i>		<i>1</i>	<i>04/28/21 14:55</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>84 %</i>		<i>30-135 %</i>		<i>1</i>	<i>04/28/21 14:55</i>	<i>EPA 8081B</i>

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<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> A1D0625 - 06 10 21 1557
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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
<b>Batch 1040792 - EPA 3510C (Neutral pH)</b>						<b>Water</b>						
<b>Blank (1040792-BLK1)</b>			Prepared: 04/22/21 09:50 Analyzed: 04/28/21 13:14									
<b>EPA 8081B</b>												
2,4'-DDD	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 64 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>100 %</i>		<i>30-135 %</i>		<i>"</i>						
<b>LCS (1040792-BS1)</b>			Prepared: 04/22/21 09:50 Analyzed: 04/28/21 13:30									
<b>EPA 8081B</b>												
4,4'-DDD	0.364	0.00500	0.0100	ug/L	1	0.500	---	73	56-143%	---	---	
4,4'-DDE	0.363	0.00500	0.0100	ug/L	1	0.500	---	73	57-135%	---	---	
4,4'-DDT	0.415	0.00500	0.0100	ug/L	1	0.500	---	83	51-143%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>86 %</i>		<i>30-135 %</i>		<i>"</i>						
<b>LCS (1040792-BS2)</b>			Prepared: 04/22/21 09:50 Analyzed: 04/28/21 14:03									
<b>EPA 8081B</b>												
2,4'-DDD	0.353	0.00500	0.0100	ug/L	1	0.500	---	71	67-142%	---	---	
2,4'-DDE	0.341	0.00500	0.0100	ug/L	1	0.500	---	68	63-135%	---	---	
2,4'-DDT	0.414	0.00500	0.0100	ug/L	1	0.500	---	83	76-156%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 67 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>81 %</i>		<i>30-135 %</i>		<i>"</i>						
<b>LCS Dup (1040792-BSD1)</b>			Prepared: 04/22/21 09:50 Analyzed: 04/28/21 13:46									
<b>EPA 8081B</b>												
4,4'-DDD	0.384	0.00500	0.0100	ug/L	1	0.500	---	77	56-143%	5	30%	
4,4'-DDE	0.368	0.00500	0.0100	ug/L	1	0.500	---	74	57-135%	1	30%	
4,4'-DDT	0.425	0.00500	0.0100	ug/L	1	0.500	---	85	51-143%	2	30%	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 65 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>91 %</i>		<i>30-135 %</i>		<i>"</i>						

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<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A1D0625 - 06 10 21 1557</b>
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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	
<b>Batch 1040792 - EPA 3510C (Neutral pH)</b>						<b>Water</b>							
<b>LCS Dup (1040792-BSD2)</b>			Prepared: 04/22/21 09:50 Analyzed: 04/28/21 14:19						<b>Q-19</b>				
<b>EPA 8081B</b>													
2,4'-DDD	0.383	0.00500	0.0100	ug/L	1	0.500	---	77	67-142%	8	30%		
2,4'-DDE	0.365	0.00500	0.0100	ug/L	1	0.500	---	73	63-135%	7	30%		
2,4'-DDT	0.448	0.00500	0.0100	ug/L	1	0.500	---	90	76-156%	8	30%		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 66 %</i>		<i>Limits: 25-140 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>85 %</i>		<i>30-135 %</i>		<i>"</i>							

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**SAMPLE PREPARATION INFORMATION**

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3510C (Neutral pH)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 1040792</u>							
A1D0625-01	SQ	EPA 8081B	04/15/21 10:48	04/22/21 09:50	1030mL/5mL	1000mL/5mL	0.97
A1D0625-02	SQ	EPA 8081B	04/15/21 10:20	04/22/21 09:50	1060mL/5mL	1000mL/5mL	0.94

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QUALIFIER DEFINITIONS

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

Apex Laboratories

Q-19 Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.

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**REPORTING NOTES AND CONVENTIONS:**

**Abbreviations:**

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

**Detection Limits: Limit of Detection (LOD)**

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

**Reporting Limits: Limit of Quantitation (LOQ)**

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

**Reporting Conventions:**

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

**QC Source:**

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

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

**Miscellaneous Notes:**

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

**Blanks:**

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

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Table with 3 columns: Client (Anchor QEA, LLC), Project (US Moorings -- C2, C3, C4), and Report ID (A1D0625 - 06 10 21 1557)

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

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 (A1D0625 - 06 10 21 1557)

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

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Signature of Darwin Thomas

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**Anchor QEA**  
1201 3rd Avenue, Suite 2620, Seattle, WA 98101

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

**A1D0625**  
APEX-20210415-123252

POC: **Delaney Peterson (360-715-2707)**    Project: **Gasco/Silfronic: US Moorings**    COC ID:    Sample Custodian: **jin, cd, dp**  
 1605 Cornwall Avenue, Bellingham, WA 98225    Client: **NW Natural**    Lab: **Apex**

COC Sample Number	Field Sample ID	Matrix	Sample Type	Collected Date	Time	Lab #	OC Containers	Test Request	Method	TAT**	Preservative
001	SG-FB-2104151048	SB	SQ	04/15/2021	10:48		2	LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	
002	SG-RB-2104151020	RB	SQ	04/15/2021	10:20		2	LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	

**Received By:**    **Received By:**   
**Print Name:** Delaney Peterson    **Print Name:** Amya Kapa  
**Company:** Apex Labs    **Company:** Apex Labs  
**Date/Time:** 4.15.21 14:25    **Date/Time:** 4/15/21 14:24

**Retransmitted By:**    **Retransmitted By:**   
**Print Name:** Delaney Peterson    **Print Name:** Amya Kapa  
**Company:** Apex Labs    **Company:** Apex Labs  
**Date/Time:** 4.15.21 14:25    **Date/Time:** 4/15/21 14:24

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

Data Printer: 4/15/2021    Page 1 of 1

Apex Laboratories

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





ANALYTICAL REPORT

**Apex Laboratories, LLC**

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

<b>Anchor QEA, LLC</b> 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: <b>US Moorings -- C2, C3, C4</b> Project Number: [none] Project Manager: <b>Delaney Peterson</b>	<b>Report ID:</b> <b>A1D0625 - 06 10 21 1557</b>
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**APEX LABS COOLER RECEIPT FORM**

Client: Anchor QEA Element WO#: A1 D0625

Project/Project #: Gasco Siltronic : US Moorings

**Delivery Info:**  
 Date/time received: 4/15/12 @ 1429 By: AKK  
 Delivered by: Apex  Client  ESS  FedEx  UPS  Swift  Senvoy  SDS  Other

**Cooler Inspection** Date/time inspected: 4/15/12 @ 1429 By: AKK  
 Chain of Custody included? Yes  No  Custody seals? Yes  No   
 Signed/dated by client? Yes  No   
 Signed/dated by Apex? Yes  No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>4.8</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: 4/15/12 @ 1650 By: AKK  
 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: AKK Witness: cdj Cooler Inspected by: AKK

Apex Laboratories

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

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

**A1D0625**

**Apex Laboratories**

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

<b>Report To:</b> Anchor QEA, LLC Delaney Peterson 6720 SW Macadam Ave. Suite 125 Portland, OR 97219 Phone: (360) 733-4311 Fax: na	<b>Invoice To:</b> Anchor QEA, LLC Delaney Peterson 6720 SW Macadam Ave. Suite 125 Portland, OR 97219 Phone : (360) 733-4311 Fax: na
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Date Due: 04/29/21 17:00 (10 day TAT)	
Received By: Anissa Kepa	Date Received: 04/15/21 14:29
Logged In By: Anissa Kepa	Date Logged In: 04/15/21 18:19

**Cooler #1 received at 4.8°C**

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

Analysis	Due	TAT	Expires	Comments
<b>A1D0625-01 SG-FB-2104151048 [Water] Sampled 04/15/21 10:48</b>				
<b>(GMT-08:00) Pacific Time (US &amp; Canada) 2 Containers</b>				
<b>Project Mgmt</b>				
Data Package	04/28/21 17:00	10	07/23/21 10:48	
<b>Semivols (ECD)</b>				
8081B 2,4+4,4-DDx Only (+Add)	04/28/21 17:00	10	04/22/21 10:48	

<b>A1D0625-02 SG-RB-2104151020 [Water] Sampled 04/15/21 10:20</b>				
<b>(GMT-08:00) Pacific Time (US &amp; Canada) 2 Containers</b>				
<b>Semivols (ECD)</b>				
8081B 2,4+4,4-DDx Only (+Add)	04/28/21 17:00	10	04/22/21 10:20	

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A100625

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

**Project:** GascoSiltronic: US Moorings  
**Client:** NW Natural

**COC ID:** APEX-20210415-123252  
**Sample Custodian:** jm, cd, dp  
**Lab:** Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	SG-FB-2104151048	FB	SQ	04/15/2021	10:48	2	<input type="checkbox"/>	LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	
002	SG-RB-2104151020	RB	SQ	04/15/2021	10:20	2	<input type="checkbox"/>	LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	

Comment:							
Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>						
D. Peterson	Anissa Kupa						
AW	Apex Labs						
4.15.21 1429	4/15/21 1429						

**APEX LABS COOLER RECEIPT FORM**

Client: Anchor QEA Element WO#: A1 D0625

Project/Project #: Gasco Siltronic : US Moorings

**Delivery Info:**

Date/time received: 4/15/21 @ 1429 By: AKK

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

**Cooler Inspection** Date/time inspected: 4/15/21 @ 1429 By: AKK

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

Signed/dated by client? Yes  No

Signed/dated by Apex? Yes  No

	<u>Cooler #1</u>	<u>Cooler #2</u>	<u>Cooler #3</u>	<u>Cooler #4</u>	<u>Cooler #5</u>	<u>Cooler #6</u>	<u>Cooler #7</u>
Temperature (°C)	<u>4.8</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: 4/15/21 @ 1650 By: AKK

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: \_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Labeled by: AKK

Witness: adB

Cooler Inspected by: AKK

## CLP-Like Forms

# Apex Laboratories

SDG: A1D0625

CLASS: GC

METHOD: EPA 8081B

# ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

---

<b>Client Sample Id:</b>	<b>Lab Sample Id:</b>	<b>Matrix</b>
<u>SG-FB-2104151048</u>	<u>A1D0625-01</u>	<u>SQ</u>
<u>SG-RB-2104151020</u>	<u>A1D0625-02</u>	<u>SQ</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 12:14PM

Title: \_\_\_\_\_

Technical Manager



# METHOD DETECTION AND REPORTING LIMITS

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch Matrix: Water

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

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

# ORGANIC ANALYSIS DATA SHEET

EPA 8081B

SG-FB-2104151048
------------------

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1D0625</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SQ</u>	Laboratory ID: <u>A1D0625-01</u>	File ID: <u>ECD8-04282118.D</u>
Sampled: <u>04/15/21 10:48</u>	Prepared: <u>04/22/21 09:50</u>	Analyzed: <u>04/28/21 14:35</u>
	Preparation: <u>EPA 3510C (Neutral pH)</u>	Initial/Final: <u>1030 mL / 5 mL</u>
Batch: <u>1040792</u>	Sequence: <u>1D28029</u>	Calibration: <u>A1B2503</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
53-19-0	2,4'-DDD [2C]	1	0.00485	U
3424-82-6	2,4'-DDE [2C]	1	0.00485	U
789-02-6	2,4'-DDT [2C]	1	0.00485	U
72-54-8	4,4'-DDD [2C]	1	0.00485	U
72-55-9	4,4'-DDE [2C]	1	0.00485	U
50-29-3	4,4'-DDT [2C]	1	0.00485	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.485	0.323	67	25 - 140	
Decachlorobiphenyl (Surr) [2C]	0.485	0.404	83	30 - 135	

\* Values outside of QC limits

# ORGANIC ANALYSIS DATA SHEET

EPA 8081B

SG-RB-2104151020

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1D0625</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>	
Matrix: <u>SQ</u>	Laboratory ID: <u>A1D0625-02</u>	File ID: <u>ECD8-04282119.D</u>
Sampled: <u>04/15/21 10:20</u>	Prepared: <u>04/22/21 09:50</u>	Analyzed: <u>04/28/21 14:55</u>
	Preparation: <u>EPA 3510C (Neutral pH)</u>	Initial/Final: <u>1060 mL / 5 mL</u>
Batch: <u>1040792</u>	Sequence: <u>1D28029</u>	Calibration: <u>A1B2503</u>
		Instrument: <u>DUALECD8</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
53-19-0	2,4'-DDD [2C]	1	0.00472	U
3424-82-6	2,4'-DDE [2C]	1	0.00472	U
789-02-6	2,4'-DDT [2C]	1	0.00472	U
72-54-8	4,4'-DDD [2C]	1	0.00472	U
72-55-9	4,4'-DDE [2C]	1	0.00472	U
50-29-3	4,4'-DDT [2C]	1	0.00472	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.472	0.305	65	25 - 140	
Decachlorobiphenyl (Surr) [2C]	0.472	0.397	84	30 - 135	

\* Values outside of QC limits

# PREPARATION BATCH SUMMARY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Batch: 1040792 Batch Matrix: Water

Preparation: EPA 3510C (Neutral pH)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1040792-BLK1	ECD8-04282113.D	04/22/21 09:50	
LCS	1040792-BS1	ECD8-04282114.D	04/22/21 09:50	
LCS	1040792-BS2	ECD8-04282116.D	04/22/21 09:50	
LCS Dup	1040792-BSD1	ECD8-04282115.D	04/22/21 09:50	
LCS Dup	1040792-BSD2	ECD8-04282117.D	04/22/21 09:50	
SG-FB-2104151048	A1D0625-01	ECD8-04282118.D	04/22/21 09:50	
SG-RB-2104151020	A1D0625-02	ECD8-04282119.D	04/22/21 09:50	

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.

# METHOD BLANK DATA SHEET

## EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1D0625</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Client: <u>Anchor QEA, LLC</u>	Laboratory ID: <u>1040792-BLK1</u>	File ID: <u>ECD8-04282113.D</u>
Matrix: <u>Water</u>	Preparation: <u>EPA 3510C (Neutral pH)</u>	Initial/Final: <u>1100 mL / 5 mL</u>
Prepared: <u>04/22/21 09:50</u>	Instrument: <u>DUALECD8</u>	
Analyzed: <u>04/28/21 13:14</u>	Sequence: <u>1D28029</u>	Calibration: <u>A1B2503</u>
Batch: <u>1040792</u>		

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.455	0.292	64	25 - 140	
Decachlorobiphenyl (Surr) [2C]	0.455	0.454	100	30 - 135	

# LCS / LCS DUPLICATE RECOVERY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 1040792

Laboratory ID: 1040792-BS1

Preparation: EPA 3510C (Neutral pH)

Initial/Final: 1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
4,4'-DDD [2C]	0.500	0.364	73	56 - 143
4,4'-DDE [2C]	0.500	0.363	73	57 - 135
4,4'-DDT [2C]	0.500	0.415	83	51 - 143

\* = Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 1040792

Laboratory ID: 1040792-BSD1

Preparation: EPA 3510C (Neutral pH)

Initial/Final: 1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
4,4'-DDD [2C]	0.500	0.384	77	5	30	56 - 143
4,4'-DDE [2C]	0.500	0.368	74	1	30	57 - 135
4,4'-DDT [2C]	0.500	0.425	85	2	30	51 - 143

\* = Values outside of QC limits

# LCS / LCS DUPLICATE RECOVERY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 1040792

Laboratory ID: 1040792-BS2

Preparation: EPA 3510C (Neutral pH)

Initial/Final: 1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	0.500	0.353	71	67 - 142
2,4'-DDE [2C]	0.500	0.341	68	63 - 135
2,4'-DDT [2C]	0.500	0.414	83	76 - 156

\* = Values outside of QC limits



# LCS / LCS DUPLICATE RECOVERY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Matrix: Water

Batch: 1040792

Laboratory ID: 1040792-BSD2

Preparation: EPA 3510C (Neutral pH)

Initial/Final: 1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
2,4'-DDD [2C]	0.500	0.383	77	8	30	67 - 142
2,4'-DDE [2C]	0.500	0.365	73	7	30	63 - 135
2,4'-DDT [2C]	0.500	0.448	90	8	30	76 - 156

\* = Values outside of QC limits

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1B22071

Instrument: DUALECD8

Matrix: Water

Calibration: A1B2503

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	1B22071-ICB1	ECD8-02222105.D	02/22/21 19:27
Cal Standard	1B22071-CAL3	ECD8-02222108.D	02/22/21 20:15
Cal Standard	1B22071-CAL4	ECD8-02222109.D	02/22/21 20:32
Cal Standard	1B22071-CAL5	ECD8-02222110.D	02/22/21 20:48
Cal Standard	1B22071-CAL6	ECD8-02222111.D	02/22/21 21:04
Cal Standard	1B22071-CAL7	ECD8-02222112.D	02/22/21 21:20
Cal Standard	1B22071-CAL8	ECD8-02222113.D	02/22/21 21:37
Cal Standard	1B22071-CAL9	ECD8-02222114.D	02/22/21 21:53
Initial Cal Check	1B22071-ICV1	ECD8-02222116.D	02/22/21 22:25
Cal Standard	1B22071-CALB	ECD8-02222118.D	02/22/21 22:57
Cal Standard	1B22071-CALC	ECD8-02222119.D	02/22/21 23:14
Cal Standard	1B22071-CALD	ECD8-02222120.D	02/22/21 23:30
Cal Standard	1B22071-CALE	ECD8-02222121.D	02/22/21 23:46
Cal Standard	1B22071-CALF	ECD8-02222122.D	02/23/21 00:02
Cal Standard	1B22071-CALG	ECD8-02222123.D	02/23/21 00:18
Cal Standard	1B22071-CALH	ECD8-02222124.D	02/23/21 00:35
Cal Standard	1B22071-CALI	ECD8-02222125.D	02/23/21 00:51
Initial Cal Check	1B22071-ICV2	ECD8-02222127.D	02/23/21 01:23

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.

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1B25056

Instrument: DUALECD8

Matrix: Water

Calibration: A1B2503

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	1B25056-ICB1	ECD8-02222149.D	02/25/21 14:50
Cal Standard	1B25056-CAL1	ECD8-02222150.D	02/25/21 14:50
Cal Standard	1B25056-CAL2	ECD8-02222151.D	02/25/21 14:50
Cal Standard	1B25056-CAL3	ECD8-02222152.D	02/25/21 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.

# ANALYSIS BATCH (SEQUENCE) SUMMARY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1D28029

Instrument: DUALECD8

Matrix: Water

Calibration: A1B2503

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1D28029-CCV3	ECD8-04282110.D	04/28/21 12:08
Calibration Check	1D28029-CCV4	ECD8-04282111.D	04/28/21 12:24
Calibration Blank	1D28029-CCB1	ECD8-04282112.D	04/28/21 12:57
Blank	1040792-BLK1	ECD8-04282113.D	04/28/21 13:14
LCS	1040792-BS1	ECD8-04282114.D	04/28/21 13:30
LCS Dup	1040792-BSD1	ECD8-04282115.D	04/28/21 13:46
LCS	1040792-BS2	ECD8-04282116.D	04/28/21 14:03
LCS Dup	1040792-BSD2	ECD8-04282117.D	04/28/21 14:19
SG-FB-2104151048	A1D0625-01	ECD8-04282118.D	04/28/21 14:35
SG-RB-2104151020	A1D0625-02	ECD8-04282119.D	04/28/21 14:55
Calibration Check	1D28029-CCV5	ECD8-04282124.D	04/28/21 16:24
Calibration Check	1D28029-CCV6	ECD8-04282125.D	04/28/21 16:41
Calibration Blank	1D28029-CCB2	ECD8-04282126.D	04/28/21 16:57
Calibration Check	1D28029-CCV7	ECD8-04282136.D	04/28/21 19:41
Calibration Check	1D28029-CCV8	ECD8-04282137.D	04/28/21 19:57
Calibration Blank	1D28029-CCB3	ECD8-04282138.D	04/28/21 20:13
Calibration Check	1D28029-CCV9	ECD8-04282148.D	04/28/21 22:57
Calibration Check	1D28029-CCVA	ECD8-04282149.D	04/28/21 23:13
Calibration Blank	1D28029-CCB4	ECD8-04282150.D	04/28/21 23:29

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

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1B2503

Instrument: DUALECD8

Calibration Date: 02/25/21 15:38

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	3138816	1	2575075							2	2602299
4,4'-DDD [2C]	0.5	3092794	1	2541451							2	2607763
4,4'-DDE	0.5	4199550	1	3407128							2	3287186
4,4'-DDE [2C]	0.5	3831882	1	3205556							2	3176504
4,4'-DDT	0.5	2560234	1	2143263							2	2329894
4,4'-DDT [2C]	0.5	2670290	1	2175483							2	2201436
2,4,5,6-TCMX (Surr)	0.5	3511356	1	3089516							2	3285470
2,4,5,6-TCMX (Surr) [2C]	0.5	3721154	1	3171759							2	3238124
Decachlorobiphenyl (Surr)	0.5	3108786	1	2655464							2	2431337
Decachlorobiphenyl (Surr) [2C]	0.5	2334812	1	1991701							2	1960878

# INITIAL CALIBRATION DATA (Continued)

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1B2503

Instrument: DUALECD8

Matrix:

Calibration Date: 02/25/21 15:38

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
4,4'-DDD	5	2594366	10	2691737	25	2676469	50	2655244	100	2702592	200	2722209
4,4'-DDD [2C]	5	2510704	10	2702861	25	2814035	50	2971374	100	3063072	200	3124119
4,4'-DDE	5	3228698	10	3439059	25	3385397	50	3362634	100	3381896	200	3297370
4,4'-DDE [2C]	5	3228072	10	3379726	25	3542476	50	3601200	100	3846072	200	3820022
4,4'-DDT	5	2301706	10	2435281	25	2445290	50	2527872	100	2705870	200	2613916
4,4'-DDT [2C]	5	2275730	10	2392851	25	2534126	50	2684846	100	3018593	200	3008016
2,4,5,6-TCMX (Surr)	5	3191330	10	3204682	25	3184058	50	3068492	100	3157713	200	3164445
2,4,5,6-TCMX (Surr) [2C]	5	3155084	10	3262864	25	3309923	50	3361232	100	3581295	200	3835515
Decachlorobiphenyl (Surr)	5	1987464	10	2064799	25	2040035	50	1889194	100	1991503	200	1796284
Decachlorobiphenyl (Surr) [2C]	5	1622621	10	1728505	25	1824376	50	1715490	100	1818966	200	1707952

# INITIAL CALIBRATION DATA (Continued)

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Calibration: A1B2503

Instrument: DUALECD8

Matrix:

Calibration Date: 02/25/21 15:38

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	1	2270647	2	1842032	5	2018036	10	1728780	25	1798602	50	1750887
2,4'-DDD [2C]	1	2566323	2	1940464	5	2010208	10	1755197	25	1945545	50	1898289
2,4'-DDE	1	2600936	2	2201103	5	2368764	10	2072871	25	2129515	50	2106580
2,4'-DDE [2C]	1	2527723	2	2199526	5	2286092	10	2066671	25	2239969	50	2283572
2,4'-DDT	1	2238924	2	1930136	5	2076044	10	1864705	25	1932452	50	2009206
2,4'-DDT [2C]	1	2378708	2	1901685	5	2048688	10	1796933	25	2029472	50	2100800

# SECOND-SOURCE CALIBRATION VERIFICATION

## EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>A1D0625</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>US Moorings -- C2, C3, C4</u>
Instrument ID: <u>DUALECD8</u>	Calibration: <u>A1B2503</u>
Lab File ID: <u>ECD8-02222116.D</u>	
Sequence: <u>1B22071</u>	Inject Date: <u>02/22/21</u>
Lab Sample ID: <u>1B22071-ICV1</u>	Inject Time: <u>22:25</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	52.6	5.2	70 - 130
4,4'-DDD [2C]	50.0	55.0	10.0	70 - 130
4,4'-DDE	50.0	50.8	1.7	70 - 130
4,4'-DDE [2C]	50.0	54.8	9.5	70 - 130
4,4'-DDT	50.0	55.1	10.1	70 - 130
4,4'-DDT [2C]	50.0	56.3	12.5	70 - 130
2,4,5,6-TCMX (Surr)	50.0	53.3	6.6	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	54.8	9.7	70 - 130
Decachlorobiphenyl (Surr)	50.0	48.2	-3.6	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	50.0	0.08	70 - 130



# SECOND-SOURCE CALIBRATION VERIFICATION

## EPA 8081B

Laboratory: Apex Laboratories SDG: A1D0625  
Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4  
Instrument ID: DUALECD8 Calibration: A1B2503  
Lab File ID: ECD8-02222127.D  
Sequence: 1B22071 Inject Date: 02/23/21  
Lab Sample ID: 1B22071-ICV2 Inject Time: 01:23

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	46.2	-7.5	70 - 130
2,4'-DDD [2C]	50.0	48.8	-2.4	70 - 130
2,4'-DDE	50.0	46.5	-6.9	70 - 130
2,4'-DDE [2C]	50.0	49.5	-1.0	70 - 130
2,4'-DDT	50.0	49.3	-1.5	70 - 130
2,4'-DDT [2C]	50.0	49.6	-0.7	70 - 130

# CONTINUING CALIBRATION CHECK

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A1B2503

Lab File ID: ECD8-04282110.D

Calibration Date: 02/25/21 15:38

Sequence: 1D28029

Injection Date: 04/28/21

Lab Sample ID: 1D28029-CCV3

Injection Time: 12:08

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	46.2		2706534	2503784	-7.5	20
4,4'-DDD [2C]	Ave	50.0	47.6		2825353	2686000	-4.9	20
4,4'-DDE	Ave	50.0	43.6		3443213	3005278	-12.7	20
4,4'-DDE [2C]	Ave	50.0	46.7		3514612	3282000	-6.6	20
4,4'-DDT	Ave	50.0	55.7		2451481	2729718	11.3	20
4,4'-DDT [2C]	XXX	50.0	56.0	12.0				20

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

\* = Values outside of QC limits

# CONTINUING CALIBRATION CHECK

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A1B2503

Lab File ID: ECD8-04282111.D

Calibration Date: 02/25/21 15:38

Sequence: 1D28029

Injection Date: 04/28/21

Lab Sample ID: 1D28029-CCV4

Injection Time: 12:24

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	40.6		1894860	1540081	-18.7	20
2,4'-DDD [2C]	XXX	50.0	41.5	-17.0				20
2,4'-DDE	Ave	50.0	39.5		2234928	1767130	-20.9*	20
2,4'-DDE [2C]	Ave	50.0	41.1		2324457	1910137	-17.8	20
2,4'-DDT	Ave	50.0	46.0		2016936	1855630	-8.0	20
2,4'-DDT [2C]	Ave	50.0	46.9		2104233	1974710	-6.2	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: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A1B2503

Lab File ID: ECD8-04282124.D

Calibration Date: 02/25/21 15:38

Sequence: 1D28029

Injection Date: 04/28/21

Lab Sample ID: 1D28029-CCV5

Injection Time: 16:24

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	82.2		2706534	2223945	-17.8	20
4,4'-DDD [2C]	Ave	100	83.4		2825353	2354920	-16.7	20
4,4'-DDE	Ave	100	79.4		3443213	2733748	-20.6*	20
4,4'-DDE [2C]	Ave	100	83.4		3514612	2930581	-16.6	20
4,4'-DDT	Ave	100	94.6		2451481	2318817	-5.4	20
4,4'-DDT [2C]	XXX	100	90.6	-9.4				20

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

\* = Values outside of QC limits

# CONTINUING CALIBRATION CHECK

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A1B2503

Lab File ID: ECD8-04282125.D

Calibration Date: 02/25/21 15:38

Sequence: 1D28029

Injection Date: 04/28/21

Lab Sample ID: 1D28029-CCV6

Injection Time: 16:41

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	82.0		1894860	1552900	-18.0	20
2,4'-DDD [2C]	XXX	100	82.3	-17.7				20
2,4'-DDE	Ave	100	78.8		2234928	1762205	-21.2*	20
2,4'-DDE [2C]	Ave	100	80.4		2324457	1868369	-19.6	20
2,4'-DDT	Ave	100	93.5		2016936	1886273	-6.5	20
2,4'-DDT [2C]	Ave	100	97.3		2104233	2047213	-2.7	20

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

\* = Values outside of QC limits

# CONTINUING CALIBRATION CHECK

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A1B2503

Lab File ID: ECD8-04282136.D

Calibration Date: 02/25/21 15:38

Sequence: 1D28029

Injection Date: 04/28/21

Lab Sample ID: 1D28029-CCV7

Injection Time: 19:41

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	45.5		2706534	2465174	-8.9	20
4,4'-DDD [2C]	Ave	50.0	46.5		2825353	2626822	-7.0	20
4,4'-DDE	Ave	50.0	43.2		3443213	2977406	-13.5	20
4,4'-DDE [2C]	Ave	50.0	43.8		3514612	3080882	-12.3	20
4,4'-DDT	Ave	50.0	51.0		2451481	2501678	2.0	20
4,4'-DDT [2C]	XXX	50.0	51.1	2.2				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: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A1B2503

Lab File ID: ECD8-04282137.D

Calibration Date: 02/25/21 15:38

Sequence: 1D28029

Injection Date: 04/28/21

Lab Sample ID: 1D28029-CCV8

Injection Time: 19:57

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	43.6		1894860	1651924	-12.8	20
2,4'-DDD [2C]	XXX	50.0	44.7	-10.6				20
2,4'-DDE	Ave	50.0	40.7		2234928	1818262	-18.6	20
2,4'-DDE [2C]	Ave	50.0	42.4		2324457	1971959	-15.2	20
2,4'-DDT	Ave	50.0	48.2		2016936	1942430	-3.7	20
2,4'-DDT [2C]	Ave	50.0	47.4		2104233	1993811	-5.2	20

\*\* Quadratic Curve fit may be weighted (1/a or 1/a<sup>2</sup>).

\* = Values outside of QC limits

# CONTINUING CALIBRATION CHECK

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A1B2503

Lab File ID: ECD8-04282148.D

Calibration Date: 02/25/21 15:38

Sequence: 1D28029

Injection Date: 04/28/21

Lab Sample ID: 1D28029-CCV9

Injection Time: 22:57

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	95.0		2706534	2572031	-5.0	20
4,4'-DDD [2C]	Ave	100	106		2825353	3001012	6.2	20
4,4'-DDE	Ave	100	90.2		3443213	3106844	-9.8	20
4,4'-DDE [2C]	Ave	100	100		3514612	3528494	0.4	20
4,4'-DDT	Ave	100	104		2451481	2544316	3.8	20
4,4'-DDT [2C]	XXX	100	102	2.4				20

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

\* = Values outside of QC limits



# CONTINUING CALIBRATION CHECK

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Instrument ID: DUALECD8

Calibration: A1B2503

Lab File ID: ECD8-04282149.D

Calibration Date: 02/25/21 15:38

Sequence: 1D28029

Injection Date: 04/28/21

Lab Sample ID: 1D28029-CCVA

Injection Time: 23:13

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	84.9		1894860	1608156	-15.1	20
2,4'-DDD [2C]	XXX	100	85.9	-14.1				20
2,4'-DDE	Ave	100	78.6		2234928	1757878	-21.3*	20
2,4'-DDE [2C]	Ave	100	82.9		2324457	1926228	-17.1	20
2,4'-DDT	Ave	100	89.5		2016936	1805833	-10.5	20
2,4'-DDT [2C]	Ave	100	94.9		2104233	1997647	-5.1	20

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

\* = Values outside of QC limits

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1B22071

Instrument: DUALECD8

Matrix: Water

Calibration: A1B2503

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
<b>Initial Cal Check (1B22071-ICV1)</b>			Lab File ID: ECD8-02222116.D		Analyzed: 02/22/21 22:25			
2,4,5,6-TCMX (Surr)	50.0	107	70 - 130	5.675	5.675667	-0.0007	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	110	70 - 130	6.055	6.055	0.0000	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	96	70 - 130	9.916	9.911222	0.0048	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	70 - 130	10.612	10.60622	0.0058	+/-1.0	

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sequence: 1D28029

Instrument: DUALECD8

Matrix: Water

Calibration: A1B2503

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
<b>Calibration Check (1D28029-CCV3)</b>			Lab File ID: ECD8-04282110.D		Analyzed: 04/28/21 12:08			
2,4,5,6-TCMX (Surr)	50.0	92	80 - 120	5.557	5.675667	-0.1187	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	97	80 - 120	5.896	6.055	-0.1590	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	103	80 - 120	9.79	9.911222	-0.1212	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	114	80 - 120	10.417	10.60622	-0.1892	+/-1.0	
<b>Calibration Blank (1D28029-CCB1)</b>			Lab File ID: ECD8-04282112.D		Analyzed: 04/28/21 12:57			
2,4,5,6-TCMX (Surr) [2C]	100	96	42 - 129	5.896	6.055	-0.1590	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	104	55 - 130	10.417	10.60622	-0.1892	+/-1.0	
<b>Blank (1040792-BLK1)</b>			Lab File ID: ECD8-04282113.D		Analyzed: 04/28/21 13:14			
2,4,5,6-TCMX (Surr) [2C]	0.455	64	25 - 140	5.893	6.055	-0.1620	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.455	100	30 - 135	10.406	10.60622	-0.2002	+/-1.0	
<b>LCS (1040792-BS1)</b>			Lab File ID: ECD8-04282114.D		Analyzed: 04/28/21 13:30			
2,4,5,6-TCMX (Surr) [2C]	0.500	63	25 - 140	5.892	6.055	-0.1630	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	86	30 - 135	10.406	10.60622	-0.2002	+/-1.0	
<b>LCS Dup (1040792-BSD1)</b>			Lab File ID: ECD8-04282115.D		Analyzed: 04/28/21 13:46			
2,4,5,6-TCMX (Surr) [2C]	0.500	65	25 - 140	5.892	6.055	-0.1630	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	91	30 - 135	10.404	10.60622	-0.2022	+/-1.0	
<b>LCS (1040792-BS2)</b>			Lab File ID: ECD8-04282116.D		Analyzed: 04/28/21 14:03			
2,4,5,6-TCMX (Surr) [2C]	0.500	67	25 - 140	5.898	6.055	-0.1570	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	81	30 - 135	10.416	10.60622	-0.1902	+/-1.0	
<b>LCS Dup (1040792-BSD2)</b>			Lab File ID: ECD8-04282117.D		Analyzed: 04/28/21 14:19			
2,4,5,6-TCMX (Surr) [2C]	0.500	66	25 - 140	5.899	6.055	-0.1560	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	85	30 - 135	10.415	10.60622	-0.1912	+/-1.0	
<b>SG-FB-2104151048 (A1D0625-01)</b>			Lab File ID: ECD8-04282118.D		Analyzed: 04/28/21 14:35			
2,4,5,6-TCMX (Surr) [2C]	0.485	67	25 - 140	5.898	6.055	-0.1570	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.485	83	30 - 135	10.415	10.60622	-0.1912	+/-1.0	
<b>SG-RB-2104151020 (A1D0625-02)</b>			Lab File ID: ECD8-04282119.D		Analyzed: 04/28/21 14:55			
2,4,5,6-TCMX (Surr) [2C]	0.472	65	25 - 140	5.897	6.055	-0.1580	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.472	84	30 - 135	10.416	10.60622	-0.1902	+/-1.0	
<b>Calibration Check (1D28029-CCV5)</b>			Lab File ID: ECD8-04282124.D		Analyzed: 04/28/21 16:24			
2,4,5,6-TCMX (Surr)	100	81	80 - 120	5.556	5.675667	-0.1197	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	83	80 - 120	5.898	6.055	-0.1570	+/-1.0	
Decachlorobiphenyl (Surr)	100	97	80 - 120	9.787	9.911222	-0.1242	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	106	80 - 120	10.411	10.60622	-0.1952	+/-1.0	

# SURROGATE STANDARD RECOVERY AND RT SUMMARY

## EPA 8081B

Laboratory: Apex Laboratories  
 Client: Anchor QEA, LLC  
 Sequence: 1D28029  
 Matrix: Water

SDG: A1D0625  
 Project: US Moorings -- C2, C3, C4  
 Instrument: DUALECD8  
 Calibration: A1B2503

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
<b>Calibration Blank (1D28029-CCB2)</b>			Lab File ID: ECD8-04282126.D Analyzed: 04/28/21 16:57					
2,4,5,6-TCMX (Surr) [2C]	100	84	42 - 129	5.897	6.055	-0.1580	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	101	55 - 130	10.414	10.60622	-0.1922	+/-1.0	
<b>Calibration Check (1D28029-CCV7)</b>			Lab File ID: ECD8-04282136.D Analyzed: 04/28/21 19:41					
2,4,5,6-TCMX (Surr)	50.0	95	80 - 120	5.555	5.675667	-0.1207	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	90	80 - 120	5.895	6.055	-0.1600	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	100	80 - 120	9.788	9.911222	-0.1232	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	112	80 - 120	10.41	10.60622	-0.1962	+/-1.0	
<b>Calibration Blank (1D28029-CCB3)</b>			Lab File ID: ECD8-04282138.D Analyzed: 04/28/21 20:13					
2,4,5,6-TCMX (Surr) [2C]	100	87	42 - 129	5.895	6.055	-0.1600	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	110	55 - 130	10.41	10.60622	-0.1962	+/-1.0	
<b>Calibration Check (1D28029-CCV9)</b>			Lab File ID: ECD8-04282148.D Analyzed: 04/28/21 22:57					
2,4,5,6-TCMX (Surr)	100	95	80 - 120	5.551	5.675667	-0.1247	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	97	80 - 120	5.891	6.055	-0.1640	+/-1.0	
Decachlorobiphenyl (Surr)	100	104	80 - 120	9.784	9.911222	-0.1272	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	120	80 - 120	10.405	10.60622	-0.2012	+/-1.0	
<b>Calibration Blank (1D28029-CCB4)</b>			Lab File ID: ECD8-04282150.D Analyzed: 04/28/21 23:29					
2,4,5,6-TCMX (Surr) [2C]	100	87	42 - 129	5.89	6.055	-0.1650	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	105	55 - 130	10.406	10.60622	-0.2002	+/-1.0	

# HOLDING TIME SUMMARY

## EPA 8081B

Laboratory: Apex Laboratories

SDG: A1D0625

Client: Anchor QEA, LLC

Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SG-FB-2104151048	04/15/21 10:48	04/15/21 14:29	04/22/21 09:50	6.96	7.00	04/28/21 14:35	6.20	40.00	
SG-RB-2104151020	04/15/21 10:20	04/15/21 14:29	04/22/21 09:50	6.98	7.00	04/28/21 14:55	6.21	40.00	

**Raw Data**

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

Batch 1040792  
Sequence 1D28029 (A1D0625-01.02)



**Apex Laboratories**  
**PREPARATION BENCH SHEET**

**BATCH #: 1040792 (Water)**

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	5-11	>11	
	1040792-BLK1	QC	04/22/21 09:50	1100	5				100						
	1040792-BSD1	QC	04/22/21 09:50	1000	5	A21B487		100	100						
	1040792-BSD2	QC	04/22/21 09:50	1000	5	A21C334		100	100						
	1040792-BS1	QC	04/22/21 09:50	1000	5	A21B487		100	100						
	1040792-BS2	QC	04/22/21 09:50	1000	5	A21C334		100	100						
	A1D0625-01	A 8081B 2,4+4,4-DDx Only (+Add)	04/22/21 09:50	1030	5				100	SG-FB-2104151048					
	A1D0625-02	A 8081B 2,4+4,4-DDx Only (+Add)	04/22/21 09:50	1060	5				100	SG-RB-2104151020					

**Standards/Reagents**

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool	A21B487	08/22/21	Mix AB Pesticide Matrix Spike	A21C341	09/26/21	8082 PCB Surrogate Spike
A21A185	07/14/21	DCM lot EA622-US	A21C334	09/25/21	8081 OGC 9-42 Pesticide Spike			
A21C111	09/06/23	Sodium Sulfate Lot # 201575						
A21C176	09/12/22	n-Hexane Lot# 207249						

3x rinse

Witness: \_\_\_\_\_

Bottle Check: \_\_\_\_\_

Prepared By: \_\_\_\_\_ Date \_\_\_\_\_

MJB 4/28/21  
Reviewed By: \_\_\_\_\_ Date \_\_\_\_\_

Analyst Review: \_\_\_\_\_ Date \_\_\_\_\_





**Apex Laboratories**  
**PREPARATION BENCH SHEET**

BATCH #: 1040792 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	Other	>11
1	1040792-BLK1	QC	04/22/21 09:50	<del>1000</del> 1100	5 ✓				100					
3	1040792-BSD1	QC	04/22/21 09:50	1000	5 ✓	A21B487		100	100				6	
5	1040792-BSD2	QC	04/22/21 09:50	1000	5 ✓	A21C334		100	100				6	
2	1040792-BS1	QC	04/22/21 09:50	1000	5 ✓	A21B487		100	100				6	
4	1040792-BS2	QC	04/22/21 09:50	1000	5 ✓	A21C334		100	100				6	
6	A1D0625-01	A 8081B 2,4+4,4-DDx Only (+Add)	04/22/21 09:50	<del>1000</del> 1030	5 ✓				100	SG-FB-21041510 48 ✓			6	
7	A1D0625-02	A 8081B 2,4+4,4-DDx Only (+Add)	04/22/21 09:50	<del>1000</del> 1060	5 ✓				100	SG-RB-2104151 020 ✓			6.5	

**Standards/Reagents**

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool						
A21A185	07/14/21	DCM lot EA622-US	A21B487	08/22/21	Mix AB Pesticide Matrix Spike	A21C341	09/26/21	8082 PCB Surrogate Spike
A21C111	09/06/23	Sodium Sulfate Lot # 201575	A21C334	09/25/21	8081 OGC 9-42 Pesticide Spike			
A21C176	09/12/22	n-Hexane Lot# 207249						

3x rinse ✓

Witness: CAS 04/22/21

Bottle Check: CAS 04/22/21

2mL exchanged into 2mL of Hexane

Prepared By: [Signature] Date: 04/22/2021  
4/27/21

Reviewed By: CAS Date: 04/22/21

Analyst Review: [Signature] Date: 4/26/21



# ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 1D28029

Instrument: DUALECD8

Date: 04/28/21 06:30

Calibration: A1B2503

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1D28029-BKD1	Soil	QC	QC				A21C007
2	1D28029-BKD2	Soil	QC	QC				A21C007
3	1D28029-CCV1	Soil	QC	QC				A21B423
4	1D28029-BKD3	Soil	QC	QC				A21C007
5	1D28029-CCV3	Soil	QC	QC				A21B423
6	1D28029-CCV4	Soil	QC	QC				A21C331
7	1D28029-CCB1	Soil	QC	QC				A21D192
8	1040792-BLK1	Water	QC	QC		1040792		
9	1040792-BS1	Water	QC	QC		1040792		
10	1040792-BSD1	Water	QC	QC		1040792		
11	1040792-BS2	Water	QC	QC		1040792		
12	1040792-BSD2	Water	QC	QC		1040792		
13	A1D0625-01	Water	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040792		
14	A1D0625-02	Water	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040792		
15	A1D0450-01RE2	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/26/21	1040870		
16	1D28029-IBL1	Soil	QC	QC				
17	1040870-DUP2	Soil	QC	QC		1040870		
18	1D28029-IBL2	Soil	QC	QC				
19	1D28029-CCV5	Soil	QC	QC				A21B424
20	1D28029-CCV6	Soil	QC	QC				A21C332
21	1D28029-CCB2	Soil	QC	QC				A21D192
22	1040957-BLK1	Sediment	QC	QC		1040957		
23	1040957-BS1	Sediment	QC	QC		1040957		
24	1040957-BS2	Sediment	QC	QC		1040957		
25	A1D0627-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
26	1040957-DUP1	Sediment	QC	QC		1040957		
27	A1D0627-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
28	A1D0627-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
29	A1D0627-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
30	A1D0628-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
31	1D28029-CCV7	Soil	QC	QC				A21B423
32	1D28029-CCV8	Soil	QC	QC				A21C331
33	1D28029-CCB3	Soil	QC	QC				A21D192
34	A1D0628-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
35	A1D0628-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
36	A1D0628-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
37	1040957-MS1	Sediment	QC	QC		1040957		
38	1040957-MS2	Sediment	QC	QC		1040957		
39	1040957-MSD1	Sediment	QC	QC		1040957		
40	1040957-MSD2	Sediment	QC	QC		1040957		
41	A1D0628-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
42	A1D0628-06RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040957		
43	1D28029-CCV9	Soil	QC	QC				A21B424
44	1D28029-CCVA	Soil	QC	QC				A21C332
45	1D28029-CCB4	Soil	QC	QC				A21D192
46	1D28029-IBL3	Soil	QC	QC				

Sequence: 1D28029

Instrument: DUALECD8

Date: 04/28/21 06:30

Calibration: A1B2503

# Lab Number Matrix Analysis Client Due Batch ISTD ID STD ID

Standard	Description:	Expires:
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
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
A21D192	8082 Instrument Blank	9/26/2021

Data Entered By/Date: KAK 4/29/21 Comments: Complete

Data Reviewed By/Date: MKZ 4/30/2021

4/29/2021 3:14:45PM

Page 2 of 2



# ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **1D28029**

Instrument: **DUALECD8**

Date: **04/28/21 06:30**

Calibration: **A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1D28029-BKD1	Soil	QC	QC				A21C007
2	1D28029-BKD2	Soil	QC	QC				A21C007
3	1D28029-CCV1	Soil	QC	QC				A21B423
4	1D28029-BKD3	Soil	QC	QC				A21C007
5	1D28029-CCV3	Soil	QC	QC				A21B423
6	1D28029-CCV4	Soil	QC	QC				A21C331
7	1D28029-CCB1	Soil	QC	QC				A21D192
8	1040792-BLK1	Water	QC	QC		1040792		
9	1040792-BS1	Water	QC	QC		1040792		
10	1040792-BSD1	Water	QC	QC		1040792		
11	1040792-BS2	Water	QC	QC		1040792		
12	1040792-BSD2	Water	QC	QC		1040792		
13	A1D0625-01	Water	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040792		
14	A1D0625-02	Water	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/28/21	1040792		
15	A1D0450-01RE2	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/26/21	1040870		
16	1D28029-IBL1	Soil	QC	QC				
17	1040870-DUP2	Soil	QC	QC		1040870		
18	1D28029-IBL2	Soil	QC	QC				
19	1D28029-CCV5	Soil	QC	QC				A21B424
20	1D28029-CCV6	Soil	QC	QC				A21C332
21	1D28029-CCB2	Soil	QC	QC				A21D192

PARTIAL

Standard	Description:	Expires:
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
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
A21D192	8082 Instrument Blank	9/26/2021

Data Entered By/Date: MJB 4/28/21

Comments: There is no file for CCV2. The instrument was stopped during it's run, and maintenance was performed.

Data Reviewed By/Date: MKZ 4/29/2021

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282103.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 8:52  
 Operator : MJB  
 Sample : 1D28029-BKD1  
 Misc : A21C007  
 ALS Vial : 2 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 15:53:51 2021  
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222RTB.M  
 Quant Title : Pesticides  
 QLast Update : Fri Nov 09 13:28:51 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units
-----				
Target Compounds				
1) 4,4'-DDE	7.763	19526728	NoCal	ng/mL
2) Endrin	8.152	866778290	NoCal	ng/mL
3) 4,4'-DDD	8.192	90755834	NoCal	ng/mL
4) 4,4'-DDT	8.388	1832933147	NoCal	ng/mL
5) Endrin Aldehyde	8.610	109820085	NoCal	ng/mL
6) Endrin Ketone	9.116	124956812	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.243	19401335	NoCal	ng/mL
9) Endrin [2C]	8.604	803545663	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.656	84269472	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.986	115514940	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.880	1780753540	NoCal	ng/mL
13) Endrin Ketone [2C]	9.570	117184655	NoCal	ng/mL
-----				

(f)=RT Delta > 1/2 Window

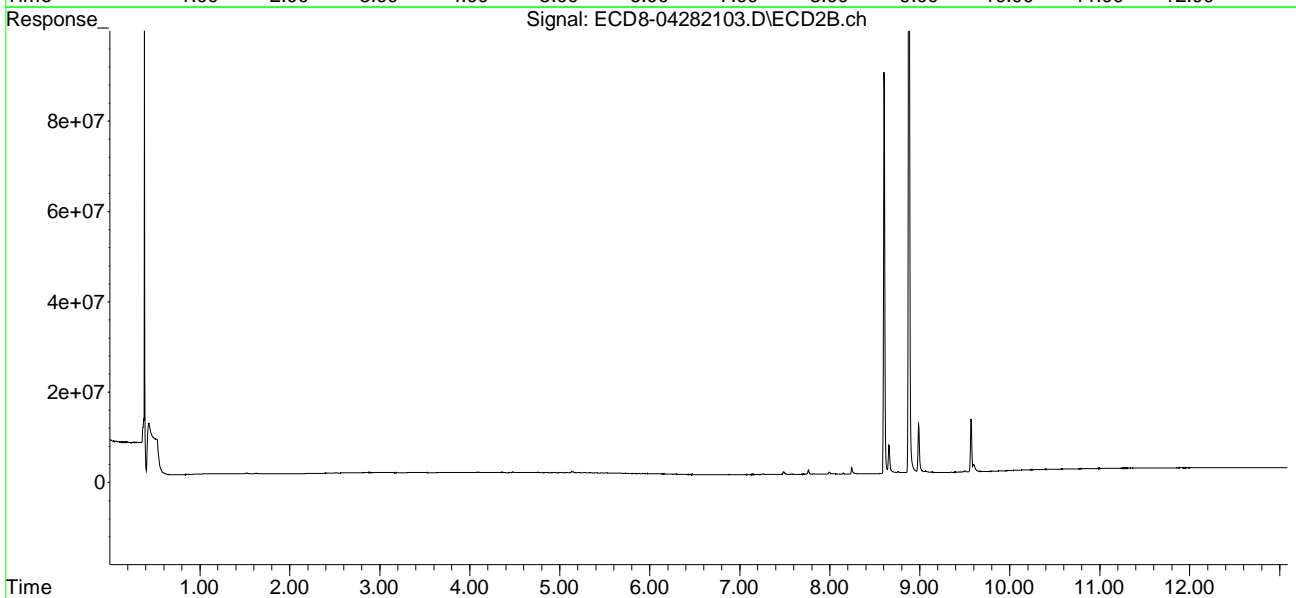
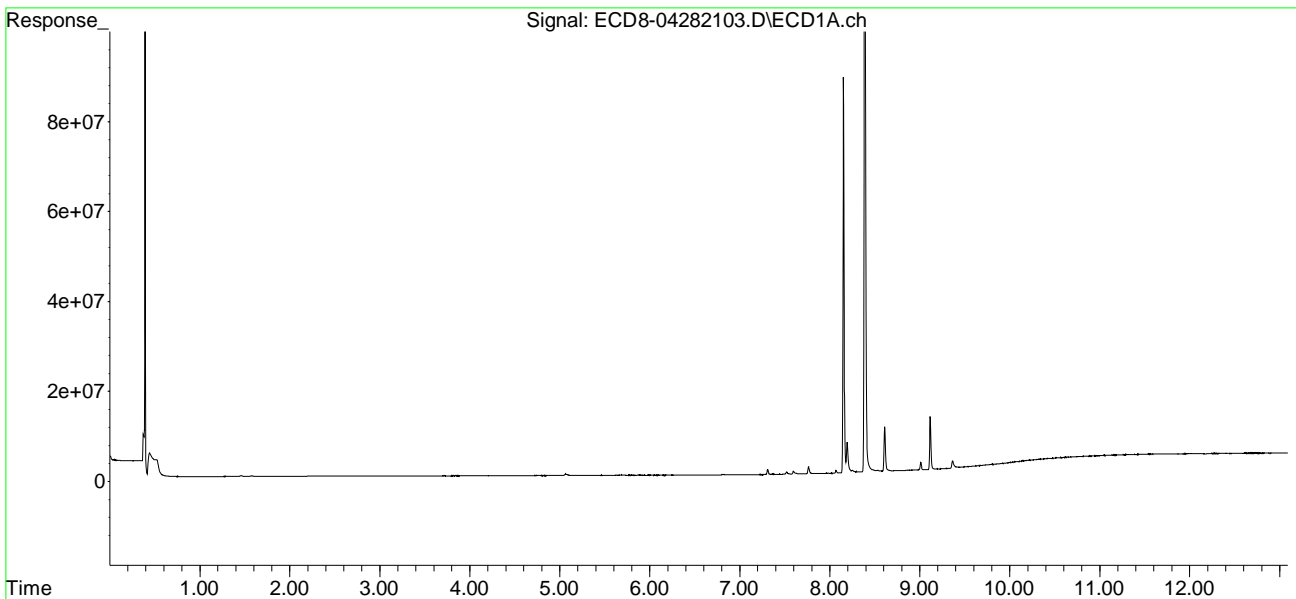
(m)=manual int.

Breakdown failed. Maintenance performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282103.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 8:52  
Operator : MJB  
Sample : 1D28029-BKD1  
Misc : A21C007  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 15:53:51 2021  
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222RTB.M  
Quant Title : Pesticides  
QLast Update : Fri Nov 09 13:28:51 2018  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282105.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 10:20  
 Operator : MJB  
 Sample : 1D28029-BKD2  
 Misc : A21C007  
 ALS Vial : 2 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 15:55:54 2021  
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222RTB.M  
 Quant Title : Pesticides  
 QLast Update : Fri Nov 09 13:28:51 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units
-----				
Target Compounds				
1) 4,4'-DDE	7.747	9489136	NoCal	ng/mL
2) Endrin	8.140	1235232737	NoCal	ng/mL
3) 4,4'-DDD	8.177	52219676	NoCal	ng/mL
4) 4,4'-DDT	8.374	2322207549	NoCal	ng/mL
5) Endrin Aldehyde	8.598	19509193	NoCal	ng/mL
6) Endrin Ketone	9.104	38330752	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.236	9540782	NoCal	ng/mL
9) Endrin [2C]	8.599	1181265352	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.649	57428955	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.982	24137736	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.875	2344817259	NoCal	ng/mL
13) Endrin Ketone [2C]	9.567	65728734	NoCal	ng/mL
-----				

(f)=RT Delta > 1/2 Window

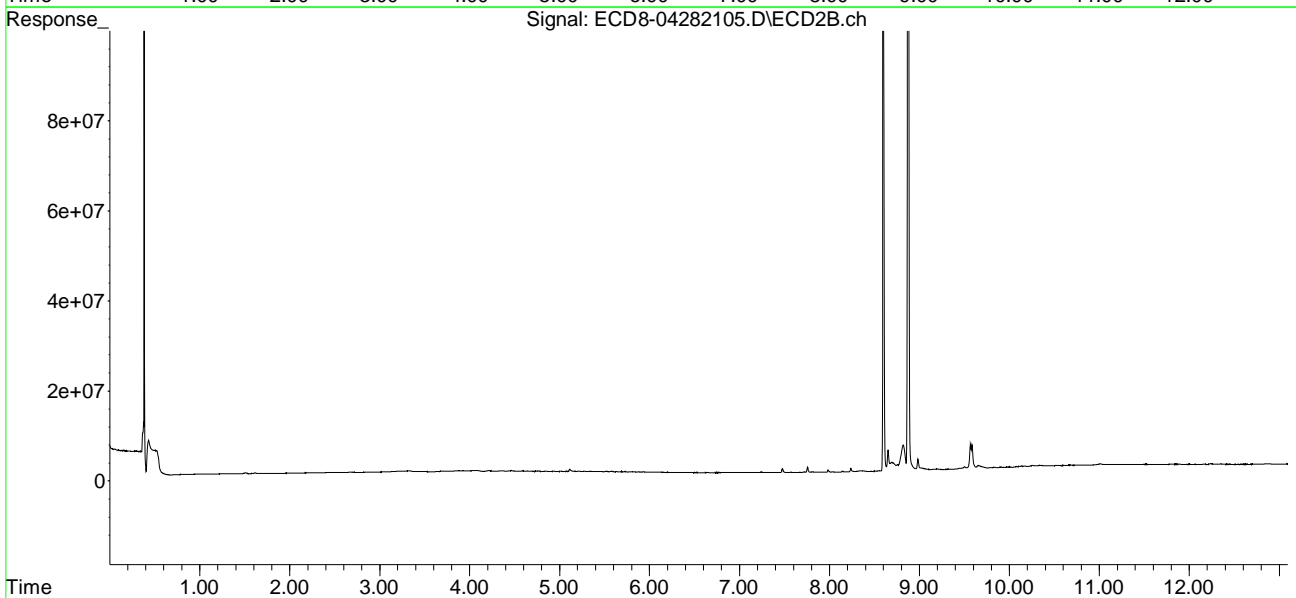
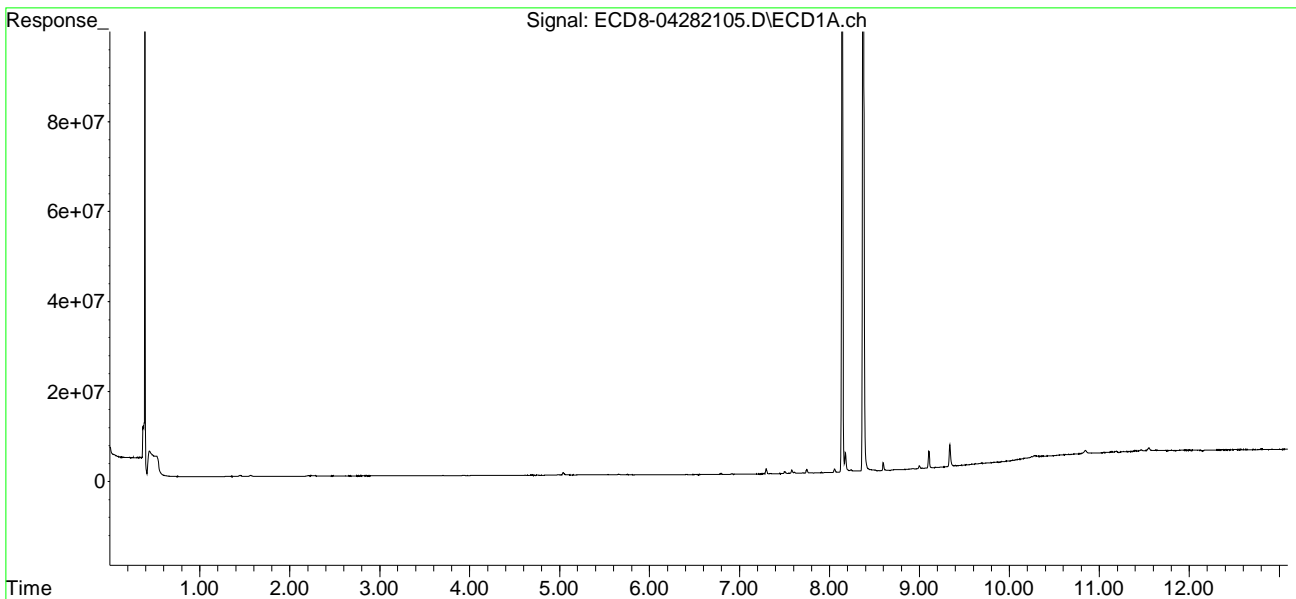
(m)=manual int.

Cut about 6" off of the guard column. CCV failed, maintenance performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282105.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 10:20  
Operator : MJB  
Sample : 1D28029-BKD2  
Misc : A21C007  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 15:55:54 2021  
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222RTB.M  
Quant Title : Pesticides  
QLast Update : Fri Nov 09 13:28:51 2018  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282106.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 10:56  
 Operator : MJB  
 Sample : 1D28029-CCV1  
 Misc : A21B423, AB Mix 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:05:28 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.558	5.898	126.7E6	144.7E6	39.514	42.498
22) S DCBP (S)	9.788	10.417	83094568	78500817	41.801	45.323
Target Compounds						
2) a-BHC	6.109	6.492	175.7E6	201.0E6	41.293	44.348
3) g-BHC	6.396	6.807	154.8E6	176.6E6	42.637	45.215
4) b-BHC	6.477	6.875	64192763	71245014	41.044	42.598
5) Heptachlor	6.795	7.182	150.4E6	168.4E6	43.845	45.655
6) d-BHC	6.628	7.122	144.7E6	166.3E6	42.868	43.126
7) Aldrin	7.037	7.445	142.8E6	153.1E6	41.540	43.530
8) Heptachlo...	7.507	7.879	129.8E6	143.3E6	41.154	43.314
9) trans-Chl...	7.600	8.020	129.9E6	142.3E6	40.338	42.216
10) cis-Chlor...	7.698	8.127	125.0E6	137.1E6	39.663	42.287
11) Endosulfa...	7.801	8.175	117.4E6	127.7E6	40.474	42.426
12) 4,4'-DDE	7.752	8.233	126.7E6	140.3E6	36.804	39.908
13) Dieldrin	7.975	8.374	129.1E6	141.1E6	40.685	42.912
14) Endrin	8.144	8.597	115.1E6	122.1E6	44.475	46.638
15) 4,4'-DDD	8.182	8.647	106.9E6	112.7E6	39.508	39.902
16) Endosulfa...	8.305	8.744	100.7E6	109.5E6	40.022	40.992
17) 4,4'-DDT	8.379	8.872	106.2E6	115.6E6	43.307	45.799
18) Endrin Al...	8.603	8.980	90310303	94157381	41.240	38.378
19) Endosulfa...	8.909	9.175	98378136	106.4E6	39.332	39.883
20) Methoxychlor	8.714	9.341	53169826	54983351	42.501	41.790
21) Endrin Ke...	9.110	9.564	120.5E6	125.3E6	40.445	43.810
23) Hexachlor...	3.353	3.628	16072	135759	0.005	0.034 #
24) Hexachlor...	5.944	6.382	255212	25905	0.078	0.007 #
25) Oxychlorane	7.441	7.808	579367	63006	0.210	0.021 #
26) 2,4'-DDE	7.507	8.020	129.8E6	142.3E6	58.073	61.225
27) trans-Non...	7.698	8.086	125.0E6	413985	39.336	0.123 #
28) 2,4'-DDD	7.921f	8.374	135117	141.1E6	0.071	70.453 #
29) 2,4'-DDT	8.059	8.597	370303	122.1E6	0.184	58.044 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282106.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 10:56  
 Operator : MJB  
 Sample : 1D28029-CCV1  
 Misc : A21B423, AB Mix 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:05:28 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

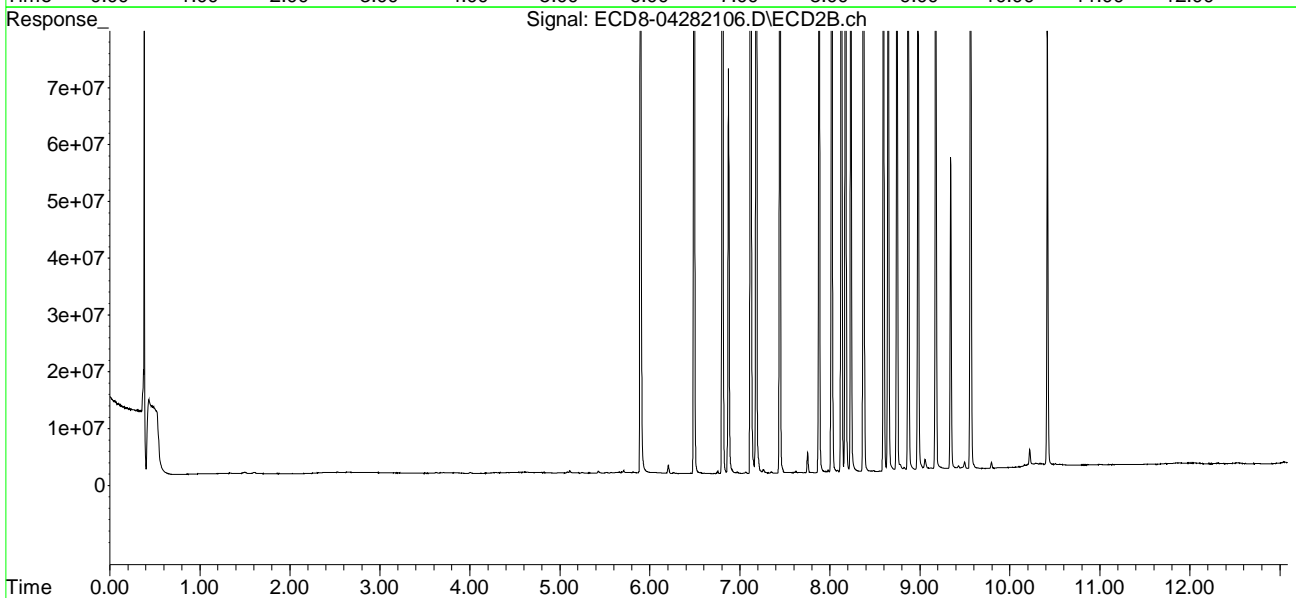
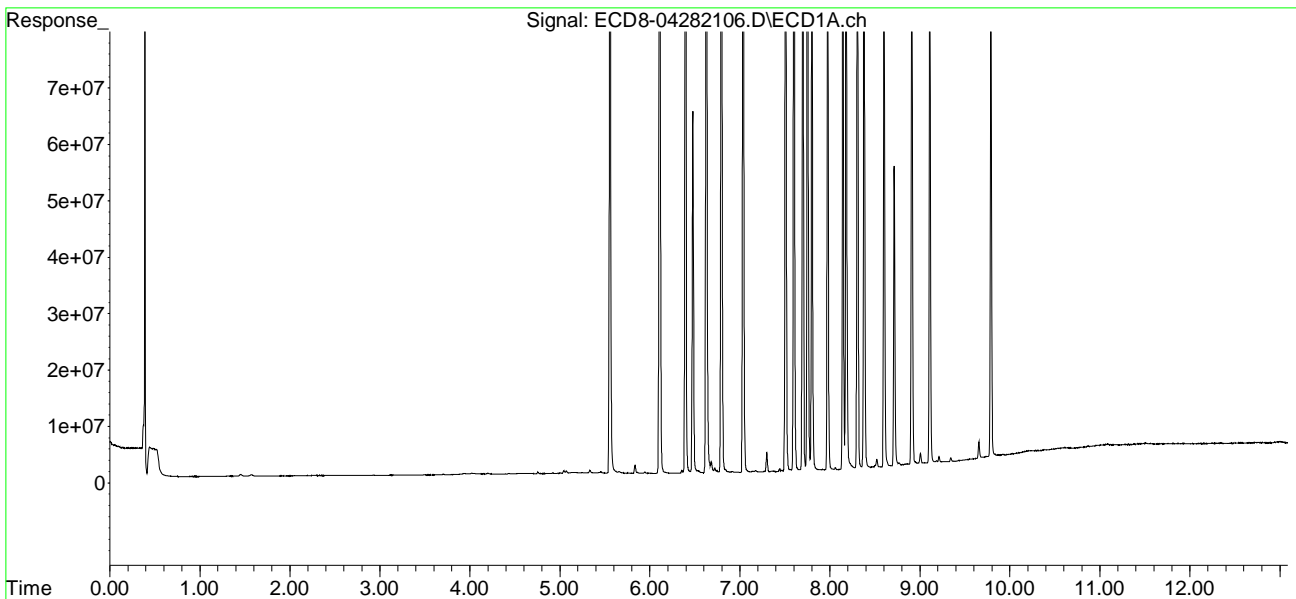
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.182	8.647	106.9E6	112.7E6	31.866	31.412
31)	Mirex	8.861	9.564	309423	125.3E6	21703.247	63.473 #
32)	Chlordane...	7.600	8.020	129.9E6	142.3E6	371.492	352.613
33)	Chlordane...	7.698	8.127	125.0E6	137.1E6	359.660	406.393
34)	Chlordane...	0.000	8.781	0	1160908	N.D.	0.373 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.752	0.000	126.7E6	0	BelowCal	N.D.
37)	Toxaphene...	8.030	8.781	140295	1160908	3.809	30.078 #
38)	Toxaphene...	8.379f	8.823	106.2E6	650090	1839.312	11.256 #
39)	Toxaphene...	8.603	8.872	90310303	115.6E6	1431.658	1202.841
40)	Toxaphene...	8.836	9.057	270541	1995185	5.694	33.477 #
41)	Toxaphene...	8.909	9.427	98378136	730908	1826.166	12.732 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282106.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 10:56  
Operator : MJB  
Sample : 1D28029-CCV1  
Misc : A21B423, AB Mix 50 ppb  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:05:28 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282106.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 10:56  
 Operator : MJB  
 Sample : 1D28029-CCV1  
 Misc : A21B423, AB Mix 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Q-14

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:05:28 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.558	5.898	126.7E6	144.7E6	39.514	42.498
22) S DCBP (S)	9.788	10.417	83094568	78500817	41.801	45.323
Target Compounds						
2) a-BHC	6.109	6.492	175.7E6	201.0E6	41.293	44.348
3) g-BHC	6.396	6.807	154.8E6	176.6E6	42.637	45.215
4) b-BHC	6.477	6.875	64192763	71245014	41.044	42.598
5) Heptachlor	6.795	7.182	150.4E6	168.4E6	43.845	45.655
6) d-BHC	6.628	7.122	144.7E6	166.3E6	42.868	43.126
7) Aldrin	7.037	7.445	142.8E6	153.1E6	41.540	43.530
8) Heptachlo...	7.507	7.879	129.8E6	143.3E6	41.154	43.314
9) trans-Chl...	7.600	8.020	129.9E6	142.3E6	40.338	42.216
10) cis-Chlor...	7.698	8.127	125.0E6	137.1E6	39.663	42.287
11) Endosulfa...	7.801	8.175	117.4E6	127.7E6	40.474	42.426
12) 4,4'-DDE	7.752	8.233	126.7E6	140.3E6	36.804	39.908
13) Dieldrin	7.975	8.374	129.1E6	141.1E6	40.685	42.912
14) Endrin	8.144	8.597	115.1E6	122.1E6	44.475	46.638
15) 4,4'-DDD	8.182	8.647	106.9E6	112.7E6	39.508	39.902
16) Endosulfa...	8.305	8.744	100.7E6	109.5E6	40.022	40.992
17) 4,4'-DDT	8.379	8.872	106.2E6	115.6E6	43.307	45.799
18) Endrin Al...	8.603	8.980	90310303	94157381	41.240	38.378
19) Endosulfa...	8.909	9.175	98378136	106.4E6	39.332	39.883
20) Methoxychlor	8.714	9.341	53169826	54983351	42.501	41.790
21) Endrin Ke...	9.110	9.564	120.5E6	125.3E6	40.445	43.810
23) Hexachlor...	3.353	3.628	16072	135759	0.005	0.034 #
24) Hexachlor...	5.944	6.382	255212	25905	0.078	0.007 #
25) Oxychlorane	7.441	7.808	579367	63006	0.210	0.021 #
26) 2,4'-DDE	7.507	8.020	129.8E6	142.3E6	58.073	61.225
27) trans-Non...	7.698	8.086	125.0E6	413985	39.336	0.123 #
28) 2,4'-DDD	7.921f	8.374	135117	141.1E6	0.071	70.453 #
29) 2,4'-DDT	8.059	8.597	370303	122.1E6	0.184	58.044 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282106.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 10:56  
 Operator : MJB  
 Sample : 1D28029-CCV1  
 Misc : A21B423, AB Mix 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:05:28 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

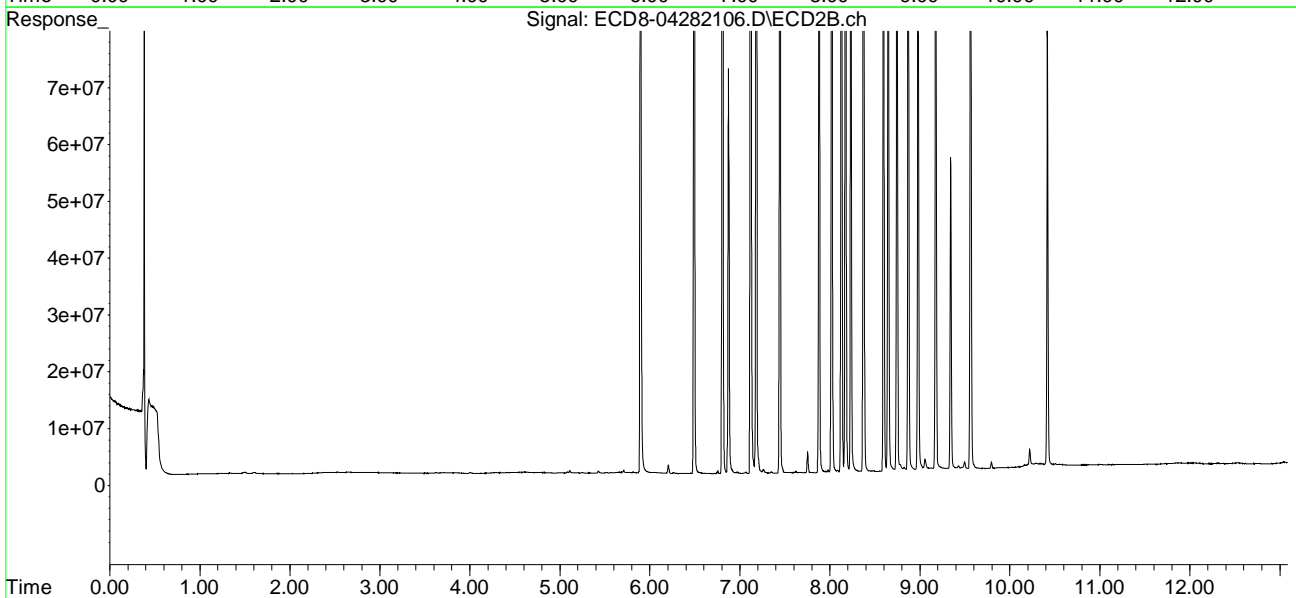
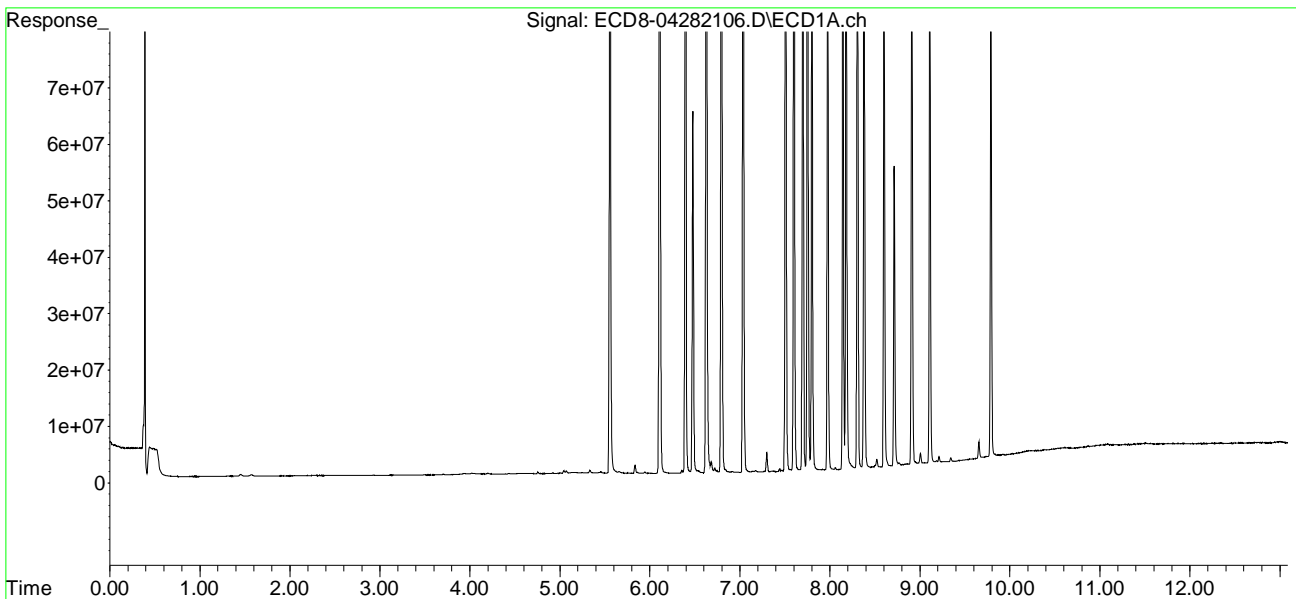
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.182	8.647	106.9E6	112.7E6	31.866	31.412
31)	Mirex	8.861	9.564	309423	125.3E6	21703.247	63.473 #
32)	Chlordane...	7.600	8.020	129.9E6	142.3E6	371.492	352.613
33)	Chlordane...	7.698	8.127	125.0E6	137.1E6	359.660	406.393
34)	Chlordane...	0.000	8.781	0	1160908	N.D.	0.373 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.752	0.000	126.7E6	0	BelowCal	N.D.
37)	Toxaphene...	8.030	8.781	140295	1160908	3.809	30.078 #
38)	Toxaphene...	8.379f	8.823	106.2E6	650090	1839.312	11.256 #
39)	Toxaphene...	8.603	8.872	90310303	115.6E6	1431.658	1202.841
40)	Toxaphene...	8.836	9.057	270541	1995185	5.694	33.477 #
41)	Toxaphene...	8.909	9.427	98378136	730908	1826.166	12.732 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282106.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 10:56  
Operator : MJB  
Sample : 1D28029-CCV1  
Misc : A21B423, AB Mix 50 ppb  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:05:28 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Pesticide BKD

**Pesticide Breakdown Check (Validated 8/8/2013)**

Sequence: 1D28029 BKD3  
Data File: ECD8-04282109.D

MJB 4/28/21

First Column Area Counts		Percent Breakdown	
DDE	7628855		
DDD	56443133		
DDT	2394204918	<b>2.61</b>	<b>PASS</b>
Endrin	1247560767	<b>5.66</b>	<b>PASS</b>
Endrin Aldehyde	26831300		
Endrin Ketone	48070510		

Second Column Area Counts		Percent Breakdown	
DDE	8543946		
DDD	58218670		
DDT	2383003584	<b>2.73</b>	<b>PASS</b>
Endrin	1189596959	<b>6.72</b>	<b>PASS</b>
Endrin Aldehyde	36255657		
Endrin Ketone	49471853		

*Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282109.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 11:44  
 Operator : MJB  
 Sample : 1D28029-BKD3  
 Misc : A21C007  
 ALS Vial : 2 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:07:55 2021  
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222RTB.M  
 Quant Title : Pesticides  
 QLast Update : Fri Nov 09 13:28:51 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units
-----				
Target Compounds				
1) 4,4'-DDE	7.752	7628855	NoCal	ng/mL
2) Endrin	8.143	1247560767	NoCal	ng/mL
3) 4,4'-DDD	8.181	56443133	NoCal	ng/mL
4) 4,4'-DDT	8.378	2394204918	NoCal	ng/mL
5) Endrin Aldehyde	8.602	26831300	NoCal	ng/mL
6) Endrin Ketone	9.108	48070510	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.235	8543946	NoCal	ng/mL
9) Endrin [2C]	8.597	1189596959	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.647	58218670	NoCal	ng/mL
11) Endrin Aldehyde [2C]	8.980	36255657	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.872	2383003584	NoCal	ng/mL
13) Endrin Ketone [2C]	9.564	49471853	NoCal	ng/mL
-----				

(f)=RT Delta > 1/2 Window

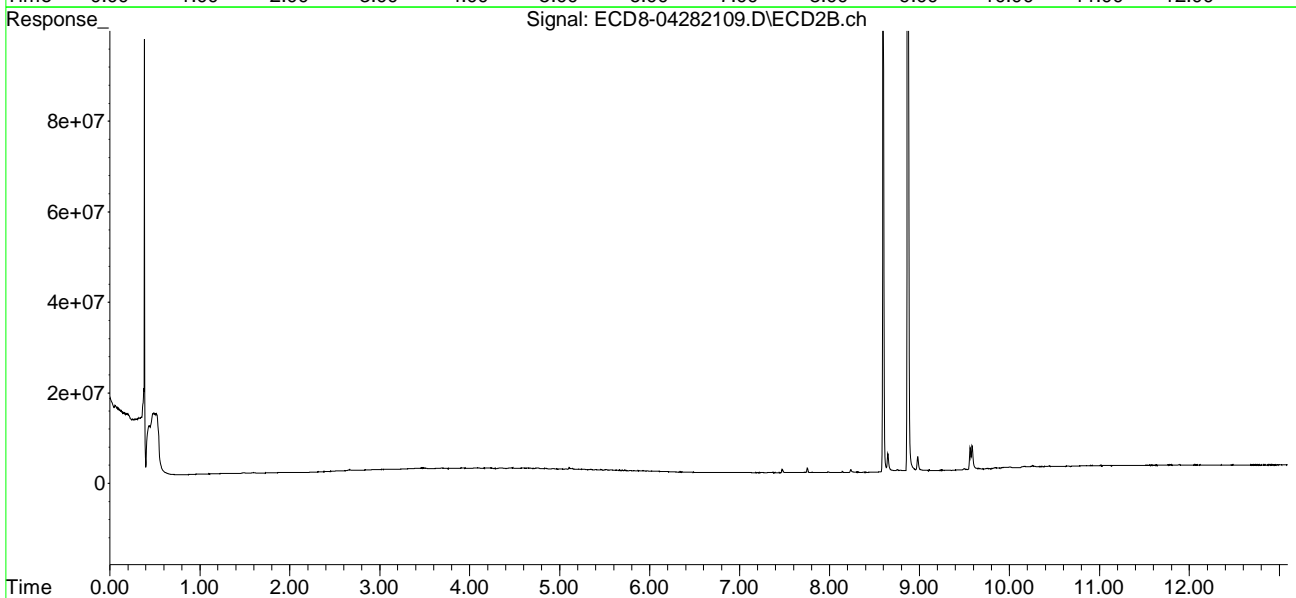
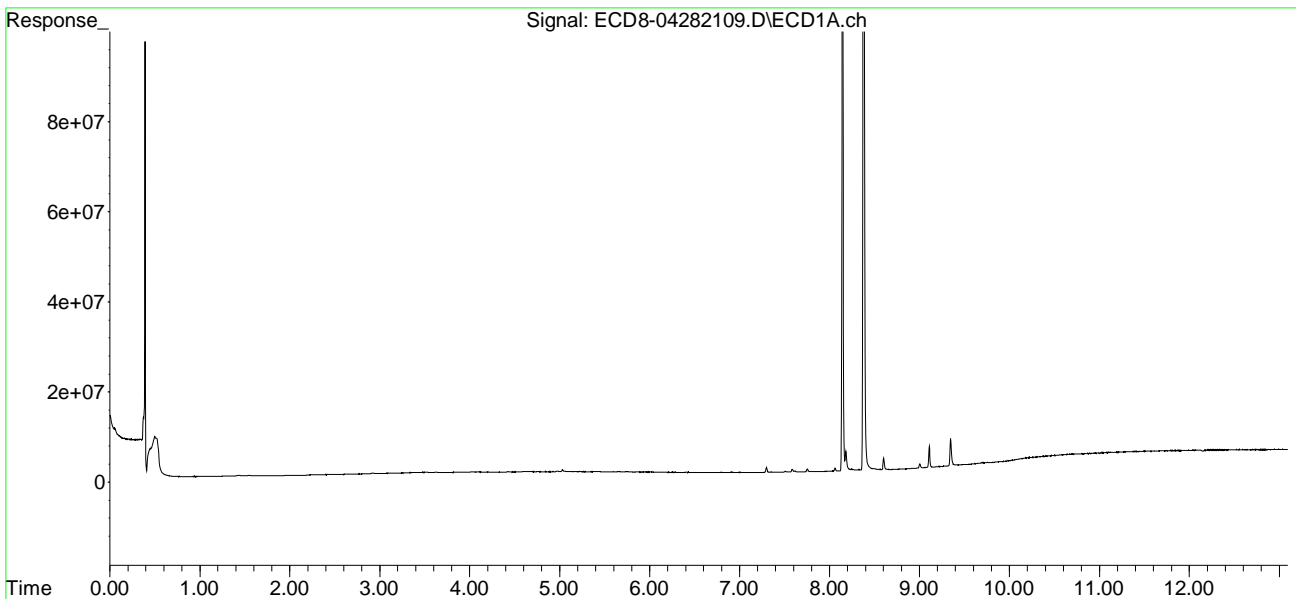
(m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282109.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 11:44  
Operator : MJB  
Sample : 1D28029-BKD3  
Misc : A21C007  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:07:55 2021  
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222RTB.M  
Quant Title : Pesticides  
QLast Update : Fri Nov 09 13:28:51 2018  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:08  
 Operator : MJB  
 Sample : 1D28029-CCV3  
 Misc : A21B423, AB Mix 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:12:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.557	5.896	147.5E6	164.4E6	46.016	48.300
22) S DCBP (S)	9.790	10.417	101.8E6	99025662	51.536	57.156
Target Compounds						
2) a-BHC	6.108	6.490	202.1E6	231.0E6	47.488	50.965
3) g-BHC	6.394	6.805	179.2E6	202.0E6	49.365	51.729
4) b-BHC	6.476	6.873	70973765	78653509	45.380	46.888
5) Heptachlor	6.796	7.181	182.6E6	205.2E6	53.249	55.648
6) d-BHC	6.628	7.120	166.8E6	183.6E6	49.421	47.317
7) Aldrin	7.037	7.443	173.5E6	185.4E6	50.457	52.713
8) Heptachlo...	7.507	7.878	155.2E6	169.2E6	49.212	51.140
9) trans-Chl...	7.601	8.019	154.4E6	167.0E6	47.924	49.540
10) cis-Chlor...	7.699	8.126	149.1E6	162.1E6	47.308	50.008
11) Endosulfa...	7.801	8.174	139.9E6	146.8E6	48.227	48.791
12) 4,4'-DDE	7.753	8.232	150.3E6	164.1E6	43.641	46.681
13) Dieldrin	7.976	8.373	154.1E6	164.8E6	48.585	50.111
14) Endrin	8.145	8.596	138.0E6	141.6E6	53.346	53.521
15) 4,4'-DDD	8.184	8.646	125.2E6	134.3E6	46.254	47.550
16) Endosulfa...	8.306	8.743	113.4E6	120.1E6	45.053	44.961
17) 4,4'-DDT	8.381	8.872	136.5E6	143.9E6	55.675	56.018
18) Endrin Al...	8.603	8.979	101.2E6	105.5E6	46.181	42.967
19) Endosulfa...	8.910	9.175	110.2E6	119.6E6	44.050	44.826
20) Methoxychlor	8.716	9.341	59977887	61287880	47.943	46.582
21) Endrin Ke...	9.111	9.564	135.7E6	146.4E6	45.546	50.714
23) Hexachlor...	3.339	3.608	57607	761105	0.017	0.190 #
24) Hexachlor...	5.942	6.381f	380882	235204	0.117	0.065 #
25) Oxychlorane	7.441	7.806	664923	43226	0.241	0.015 #
26) 2,4'-DDE	7.507	8.019	155.2E6	167.0E6	69.443	71.847
27) trans-Non...	7.699	8.086	149.1E6	532596	46.918	0.158 #
28) 2,4'-DDD	0.000	8.373	0	164.8E6	N.D.	81.598 #
29) 2,4'-DDT	8.060	8.596	819125	141.6E6	0.406	67.282 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:08  
 Operator : MJB  
 Sample : 1D28029-CCV3  
 Misc : A21B423, AB Mix 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:12:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

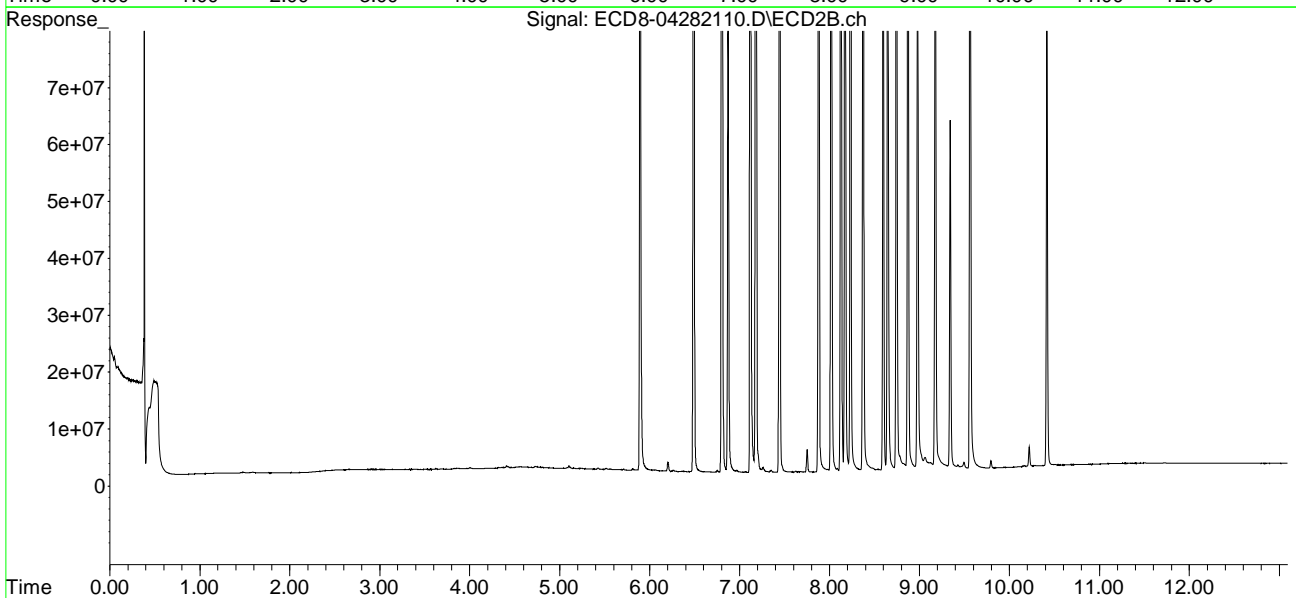
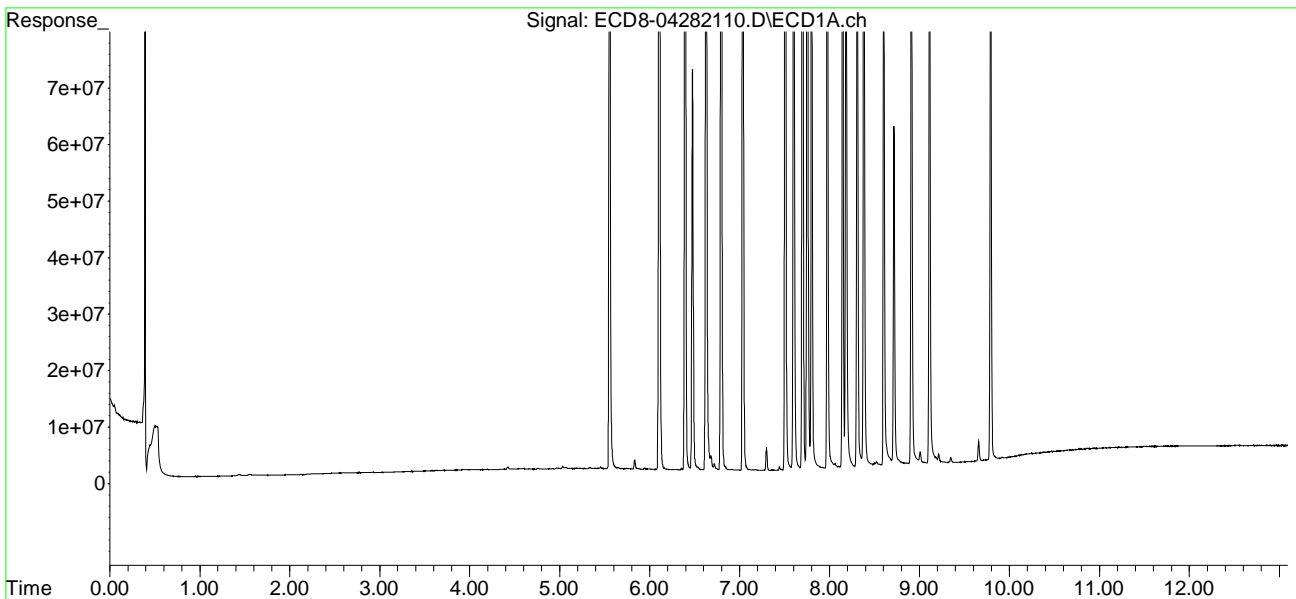
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.145	8.646	138.0E6	134.3E6	41.126	37.432
31)	Mirex	8.837	9.564	314505	146.4E6	21703.244	73.636 #
32)	Chlordane...	7.601	8.019	154.4E6	167.0E6	441.357	413.787
33)	Chlordane...	7.699	8.126	149.1E6	162.1E6	428.986	480.593
34)	Chlordane...	0.000	8.821f	0	1232935	N.D.	1.123 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.753	0.000	150.3E6	0	BelowCal	N.D.
37)	Toxaphene...	8.060f	8.821f	819125	1232935	24.982	31.944 #
38)	Toxaphene...	8.381f	8.821	136.5E6	1232935	2364.574	21.347 #
39)	Toxaphene...	8.603	8.872	101.2E6	143.9E6	1603.608	1469.610
40)	Toxaphene...	8.837	9.063	314505	2178895	6.619	36.917 #
41)	Toxaphene...	8.910	9.427	110.2E6	750533	2045.204	13.074 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282110.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 12:08  
Operator : MJB  
Sample : 1D28029-CCV3  
Misc : A21B423, AB Mix 50 ppb  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:12:50 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:08  
 Operator : MJB  
 Sample : 1D28029-CCV3  
 Misc : A21B423, AB Mix 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Rear column was hand entered into  
 Element. CalResults may differ slight  
 from IResults.

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:12:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.557	5.896	147.5E6	164.4E6	46.016	48.300
22) S DCBP (S)	9.790	10.417	101.8E6	99025662	51.536	57.156
Target Compounds						
2) a-BHC	6.108	6.490	202.1E6	231.0E6	47.488	50.965
3) g-BHC	6.394	6.805	179.2E6	202.0E6	49.365	51.729
4) b-BHC	6.476	6.873	70973765	78653509	45.380	46.888
5) Heptachlor	6.796	7.181	182.6E6	205.2E6	53.249	55.648
6) d-BHC	6.628	7.120	166.8E6	183.6E6	49.421	47.317
7) Aldrin	7.037	7.443	173.5E6	185.4E6	50.457	52.713
8) Heptachlo...	7.507	7.878	155.2E6	169.2E6	49.212	51.140
9) trans-Chl...	7.601	8.019	154.4E6	167.0E6	47.924	49.540
10) cis-Chlor...	7.699	8.126	149.1E6	162.1E6	47.308	50.008
11) Endosulfa...	7.801	8.174	139.9E6	146.8E6	48.227	48.791
12) 4,4'-DDE	7.753	8.232	150.3E6	164.1E6	43.641	46.681
13) Dieldrin	7.976	8.373	154.1E6	164.8E6	48.585	50.111
14) Endrin	8.145	8.596	138.0E6	141.6E6	53.346	53.521
15) 4,4'-DDD	8.184	8.646	125.2E6	134.3E6	46.254	47.550
16) Endosulfa...	8.306	8.743	113.4E6	120.1E6	45.053	44.961
17) 4,4'-DDT	8.381	8.872	136.5E6	143.9E6	55.675	56.018
18) Endrin Al...	8.603	8.979	101.2E6	105.5E6	46.181	42.967
19) Endosulfa...	8.910	9.175	110.2E6	119.6E6	44.050	44.826
20) Methoxychlor	8.716	9.341	59977887	61287880	47.943	46.582
21) Endrin Ke...	9.111	9.564	135.7E6	146.4E6	45.546	50.714
23) Hexachlor...	3.339	3.608	57607	761105	0.017	0.190 #
24) Hexachlor...	5.942	6.381f	380882	235204	0.117	0.065 #
25) Oxychlorane	7.441	7.806	664923	43226	0.241	0.015 #
26) 2,4'-DDE	7.507	8.019	155.2E6	167.0E6	69.443	71.847
27) trans-Non...	7.699	8.086	149.1E6	532596	46.918	0.158 #
28) 2,4'-DDD	0.000	8.373	0	164.8E6	N.D.	81.598 #
29) 2,4'-DDT	8.060	8.596	819125	141.6E6	0.406	67.282 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:08  
 Operator : MJB  
 Sample : 1D28029-CCV3  
 Misc : A21B423, AB Mix 50 ppb  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:12:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

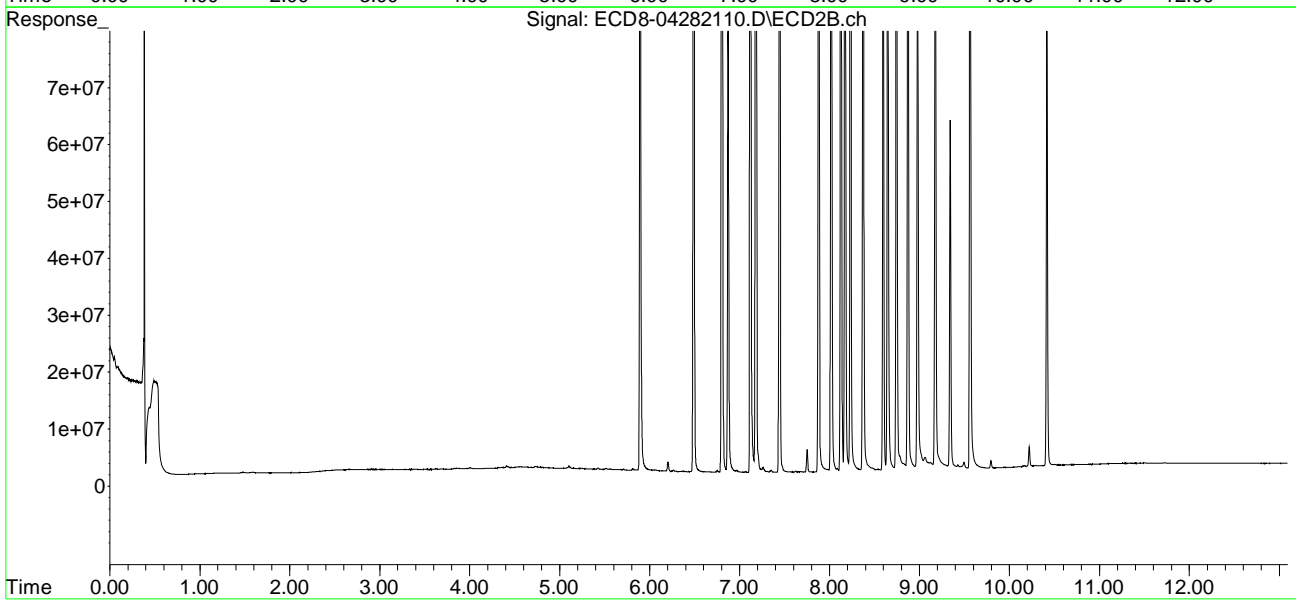
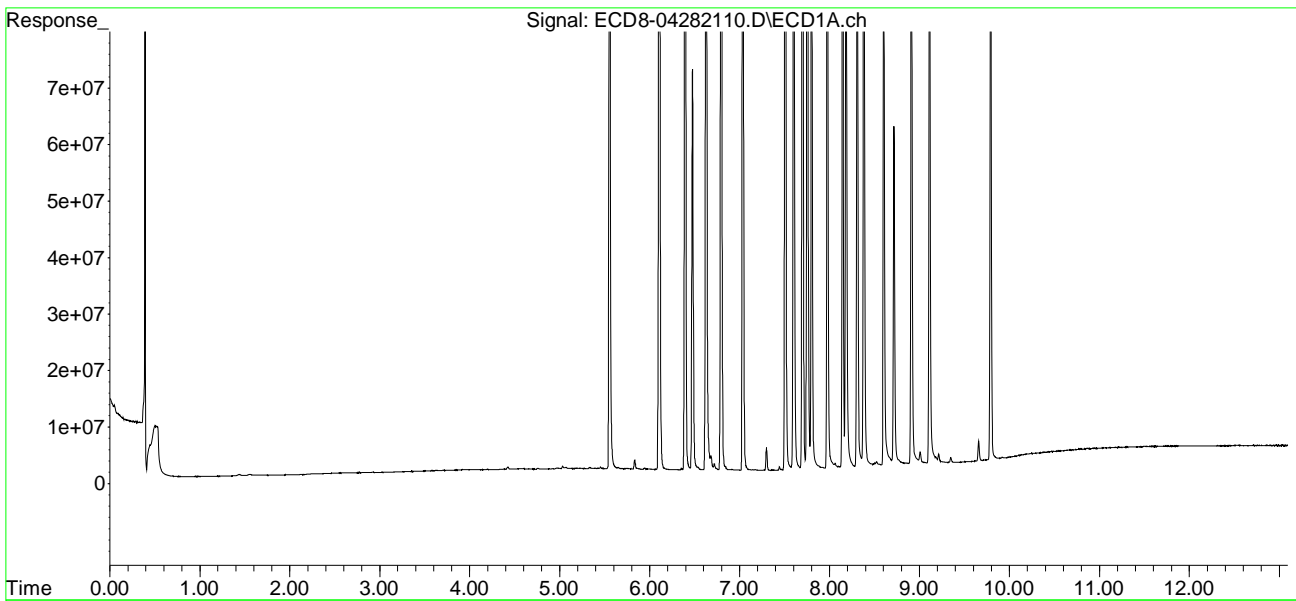
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.145	8.646	138.0E6	134.3E6	41.126	37.432
31)	Mirex	8.837	9.564	314505	146.4E6	21703.244	73.636 #
32)	Chlordane...	7.601	8.019	154.4E6	167.0E6	441.357	413.787
33)	Chlordane...	7.699	8.126	149.1E6	162.1E6	428.986	480.593
34)	Chlordane...	0.000	8.821f	0	1232935	N.D.	1.123 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.753	0.000	150.3E6	0	BelowCal	N.D.
37)	Toxaphene...	8.060f	8.821f	819125	1232935	24.982	31.944 #
38)	Toxaphene...	8.381f	8.821	136.5E6	1232935	2364.574	21.347 #
39)	Toxaphene...	8.603	8.872	101.2E6	143.9E6	1603.608	1469.610
40)	Toxaphene...	8.837	9.063	314505	2178895	6.619	36.917 #
41)	Toxaphene...	8.910	9.427	110.2E6	750533	2045.204	13.074 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282110.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 12:08  
Operator : MJB  
Sample : 1D28029-CCV3  
Misc : A21B423, AB Mix 50 ppb  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:12:50 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:24  
 Operator : MJB  
 Sample : 1D28029-CCV4  
 Misc : A21C331, 9-42 Mix 50 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:14:33 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.525f	5.874f	1213531	454156	0.378	0.133 #
22) S DCBP (S)	9.792	10.415	443458	387578	1931.118	0.048 #
Target Compounds						
2) a-BHC	6.101	0.000	178352	0	0.042	N.D. #
3) g-BHC	6.382	6.789	215680	73263	0.059	0.019 #
4) b-BHC	6.441f	6.882	47705	244256	0.031	BelowCal #
5) Heptachlor	6.794	7.181	90299	91717	0.026	0.025
6) d-BHC	6.630	7.118	55666	50516	0.016	0.004 #
7) Aldrin	7.034	7.448	16333	21899	0.005	0.006 #
8) Heptachlo...	7.496	7.914f	88356507	599258	28.016	0.181 #
9) trans-Chl...	7.596	8.006	1275699	95506847	0.396	28.331 #
10) cis-Chlor...	7.683	8.086f	139.7E6	151.0E6	44.313	46.581
11) Endosulfa...	7.793	8.168	1091706	680005	0.376	0.226 #
12) 4,4'-DDE	0.000	8.235	0	738070	N.D.	0.210 #
13) Dieldrin	7.964	8.377	541576	81361085	0.171	24.736 #
14) Endrin	8.161	8.600	143.5E6	98735523	55.474	38.175 #
15) 4,4'-DDD	8.161f	8.644	143.5E6	160.7E6	53.024	56.881
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	8.377	8.871	117610	93039	0.048	0.003 #
18) Endrin Al...	8.602	8.987	82602	161720	BelowCal	BelowCal
19) Endosulfa...	8.938f	9.174	588742	47821	0.235	0.018 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.109	9.553	59339	97721760	0.020	34.563 #
23) Hexachlor...	3.341	3.614	130.9E6	158.3E6	37.664	39.487
24) Hexachlor...	5.940	6.359	133.0E6	141.9E6	40.807	39.510
25) Oxychlorane	7.427	7.810	119.6E6	126.9E6	43.379	43.169
26) 2,4'-DDE	7.496	8.006	88356507	95506847	39.534	41.088
27) trans-Non...	7.683	8.086	139.7E6	151.0E6	43.947	44.907
28) 2,4'-DDD	7.876	8.377	77004037	81361085	40.638	41.475
29) 2,4'-DDT	8.057	8.600	92781479	98735523	46.001	46.922



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:24  
 Operator : MJB  
 Sample : 1D28029-CCV4  
 Misc : A21C331, 9-42 Mix 50 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:14:33 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

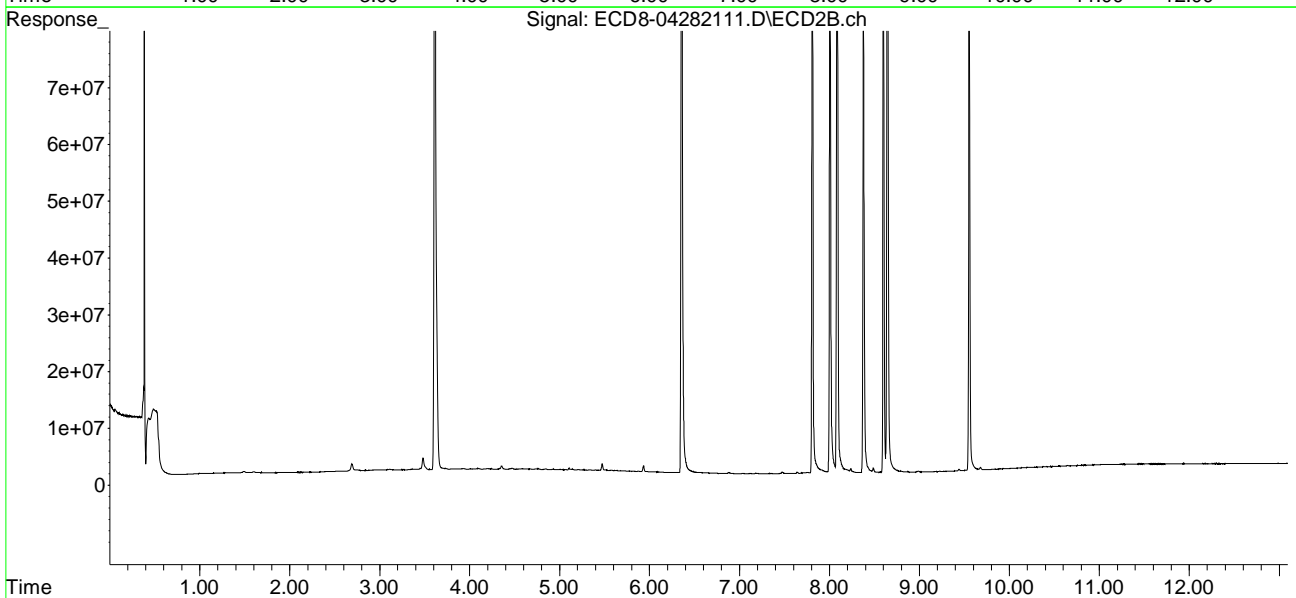
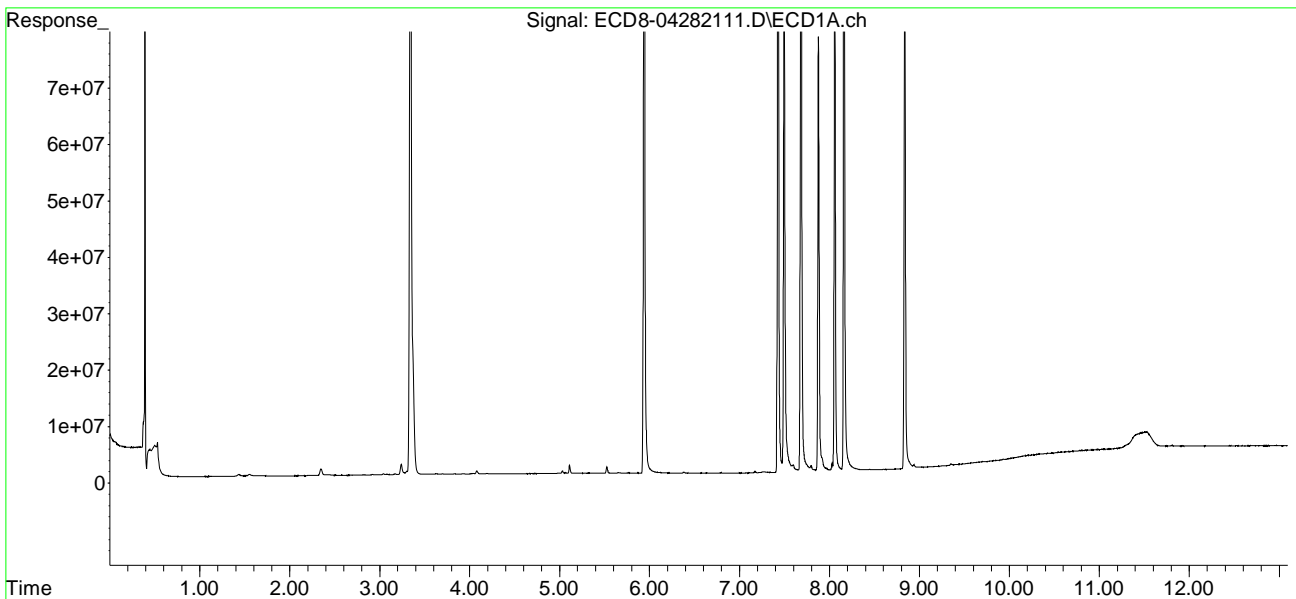
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.161	8.644	143.5E6	160.7E6	42.767	44.777
31)	Mirex	8.834	9.553	88421610	97721760	44.483	49.926
32)	Chlordane...	7.596	8.006	1275699	95506847	3.647	236.636 #
33)	Chlordane...	7.683	8.168f	139.7E6	680005	401.821	2.016 #
34)	Chlordane...	0.000	8.786	0	228593	N.D.	BelowCal
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...	8.028	8.786	1399101	228593	43.131	5.923 #
38)	Toxaphene...	8.377f	8.786f	117610	228593	2.038	3.958 #
39)	Toxaphene...	8.602	8.871	82602	93039	1.309	BelowCal #
40)	Toxaphene...	8.834	9.061	88421610	13203	1860.828	BelowCal #
41)	Toxaphene...	0.000	9.438	0	326897	N.D.	5.694 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282111.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 12:24  
Operator : MJB  
Sample : 1D28029-CCV4  
Misc : A21C331, 9-42 Mix 50 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:14:33 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:24  
 Operator : MJB  
 Sample : 1D28029-CCV4  
 Misc : A21C331, 9-42 Mix 50 ppb  
 ALS Vial : 4 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:14:33 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.525f	5.874f	1213531	454156	0.378	0.133 #
22) S DCBP (S)	9.792	10.415	443458	387578	1931.118	0.048 #
Target Compounds						
2) a-BHC	6.101	0.000	178352	0	0.042	N.D. #
3) g-BHC	6.382	6.789	215680	73263	0.059	0.019 #
4) b-BHC	6.441f	6.882	47705	244256	0.031	BelowCal #
5) Heptachlor	6.794	7.181	90299	91717	0.026	0.025
6) d-BHC	6.630	7.118	55666	50516	0.016	0.004 #
7) Aldrin	7.034	7.448	16333	21899	0.005	0.006 #
8) Heptachlo...	7.496	7.914f	88356507	599258	28.016	0.181 #
9) trans-Chl...	7.596	8.006	1275699	95506847	0.396	28.331 #
10) cis-Chlor...	7.683	8.086f	139.7E6	151.0E6	44.313	46.581
11) Endosulfa...	7.793	8.168	1091706	680005	0.376	0.226 #
12) 4,4'-DDE	0.000	8.235	0	738070	N.D.	0.210 #
13) Dieldrin	7.964	8.377	541576	81361085	0.171	24.736 #
14) Endrin	8.161	8.600	143.5E6	98735523	55.474	38.175 #
15) 4,4'-DDD	8.161f	8.644	143.5E6	160.7E6	53.024	56.881
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	8.377	8.871	117610	93039	0.048	0.003 #
18) Endrin Al...	8.602	8.987	82602	161720	BelowCal	BelowCal
19) Endosulfa...	8.938f	9.174	588742	47821	0.235	0.018 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.109	9.553	59339	97721760	0.020	34.563 #
23) Hexachlor...	3.341	3.614	130.9E6	158.3E6	37.664	39.487
24) Hexachlor...	5.940	6.359	133.0E6	141.9E6	40.807	39.510
25) Oxychlorane	7.427	7.810	119.6E6	126.9E6	43.379	43.169
26) 2,4'-DDE	7.496	8.006	88356507	95506847	39.534	Q-3141.088
27) trans-Non...	7.683	8.086	139.7E6	151.0E6	43.947	44.907
28) 2,4'-DDD	7.876	8.377	77004037	81361085	40.638	41.475
29) 2,4'-DDT	8.057	8.600	92781479	98735523	46.001	46.922

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:24  
 Operator : MJB  
 Sample : 1D28029-CCV4  
 Misc : A21C331, 9-42 Mix 50 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:14:33 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

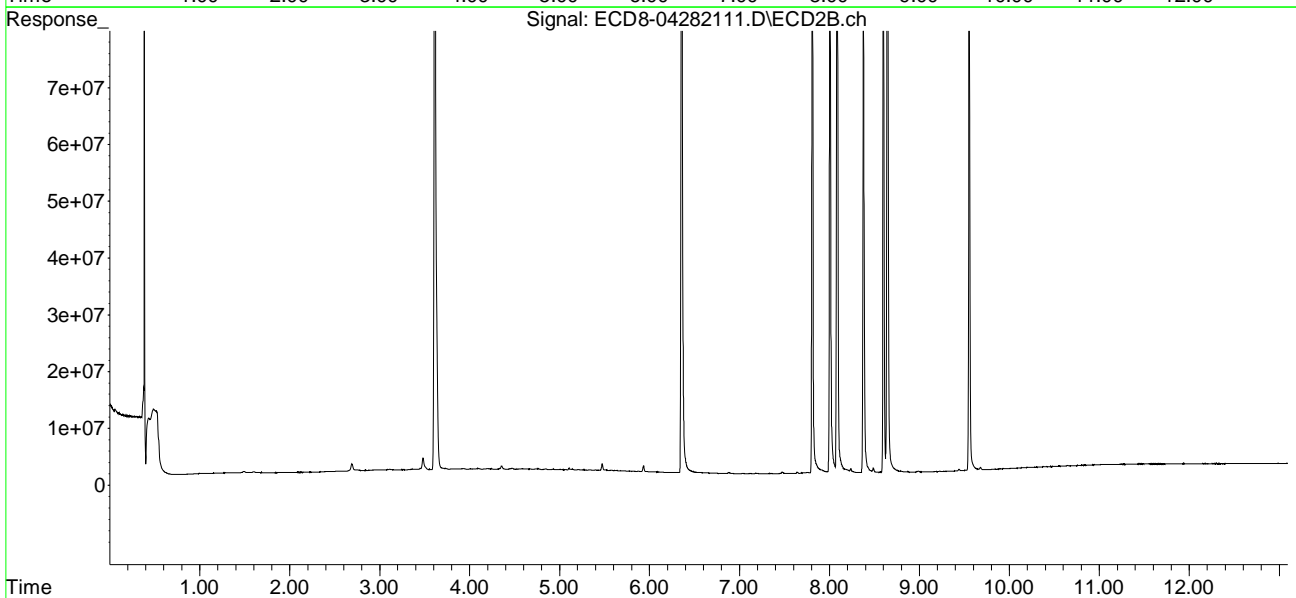
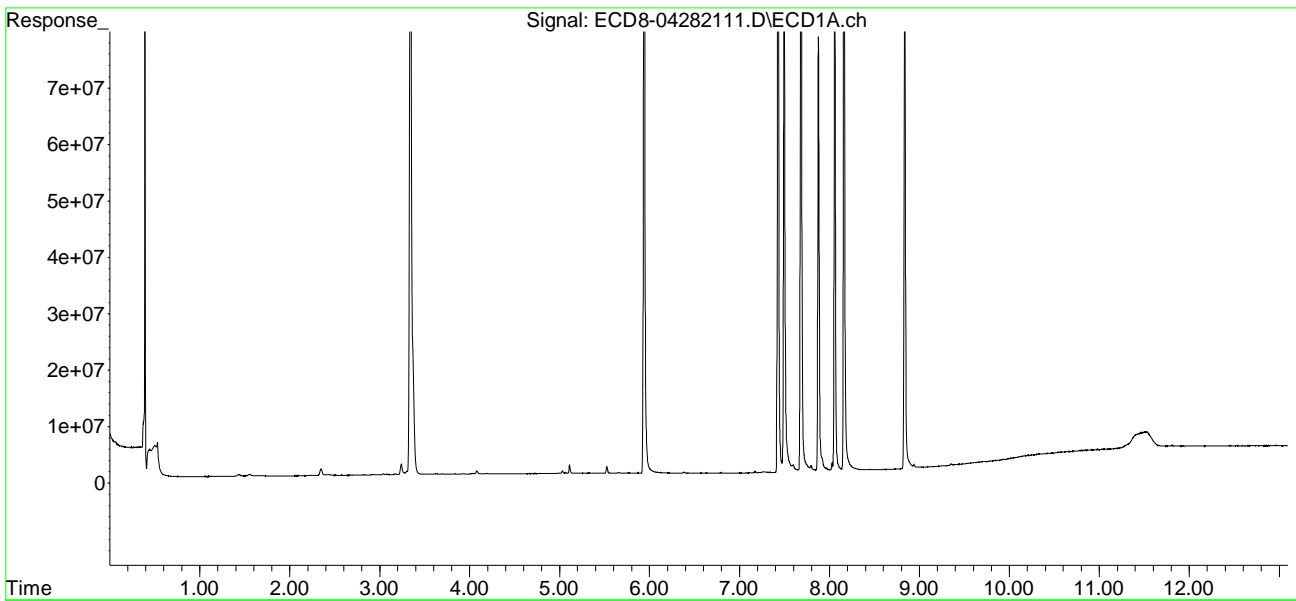
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.161	8.644	143.5E6	160.7E6	42.767	44.777
31)	Mirex	8.834	9.553	88421610	97721760	44.483	49.926
32)	Chlordane...	7.596	8.006	1275699	95506847	3.647	236.636 #
33)	Chlordane...	7.683	8.168f	139.7E6	680005	401.821	2.016 #
34)	Chlordane...	0.000	8.786	0	228593	N.D.	BelowCal
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...	8.028	8.786	1399101	228593	43.131	5.923 #
38)	Toxaphene...	8.377f	8.786f	117610	228593	2.038	3.958 #
39)	Toxaphene...	8.602	8.871	82602	93039	1.309	BelowCal #
40)	Toxaphene...	8.834	9.061	88421610	13203	1860.828	BelowCal #
41)	Toxaphene...	0.000	9.438	0	326897	N.D.	5.694 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282111.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 12:24  
Operator : MJB  
Sample : 1D28029-CCV4  
Misc : A21C331, 9-42 Mix 50 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:14:33 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:57  
 Operator : MJB  
 Sample : 1D28029-CCB1  
 Misc : A21D192  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:16:27 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.558	5.896	282.1E6	326.8E6	87.970	96.004
22) S DCBP (S)	9.790	10.417	192.6E6	180.9E6	100.383	104.117
Target Compounds						
2) a-BHC	6.097	6.515f	305655	189089	0.072	0.042 #
3) g-BHC	6.388	6.832f	178750	117759	0.049	0.030 #
4) b-BHC	6.484	6.906f	165046	86707	0.106	BelowCal #
5) Heptachlor	6.794	7.208f	178084	51990	0.052	0.014 #
6) d-BHC	6.632	7.108	140049	41341	0.041	0.001 #
7) Aldrin	7.036	7.475f	91351	365057	0.027	0.104 #
8) Heptachlo...	7.507	7.873	45498	21739	0.014	0.007 #
9) trans-Chl...	7.587	8.028	399185	34795	0.124	0.010 #
10) cis-Chlor...	7.704	8.129	29866	13588	0.009	0.004 #
11) Endosulfa...	7.832f	8.178	16687	14450	0.006	0.005
12) 4,4'-DDE	7.753	8.223	45289	13916	0.013	0.004 #
13) Dieldrin	7.978	8.405f	9941	31179	0.003	0.009 #
14) Endrin	8.136	8.601	9242	25099	0.004	0.013 #
15) 4,4'-DDD	8.186	8.649	8987	18403	0.003	0.007 #
16) Endosulfa...	8.309	8.742	19605	19373	0.008	0.007
17) 4,4'-DDT	8.384	8.874	18513	23132	0.008	BelowCal #
18) Endrin Al...	8.610	8.982	55334	30638	BelowCal	BelowCal
19) Endosulfa...	8.918	9.176	43450	26900	0.017	0.010 #
20) Methoxychlor	8.720	9.334	57321	34210	0.046	0.026 #
21) Endrin Ke...	9.114	9.585f	90730	183027	0.030	BelowCal #
23) Hexachlor...	3.339	3.621	38311	608749	0.011	0.152 #
24) Hexachlor...	5.943	6.354	585613	300672	0.180	0.084 #
25) Oxychlorane	7.405f	7.799	27335	40864	0.010	0.014 #
26) 2,4'-DDE	7.500	8.002	42627	26914	0.019	0.012 #
27) trans-Non...	7.673	8.081	47748	27162	0.015	0.008 #
28) 2,4'-DDD	7.867	8.405f	11702	31179	0.006	BelowCal #
29) 2,4'-DDT	8.060	8.601	28690	25099	0.014	0.012

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:57  
 Operator : MJB  
 Sample : 1D28029-CCB1  
 Misc : A21D192  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:16:27 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

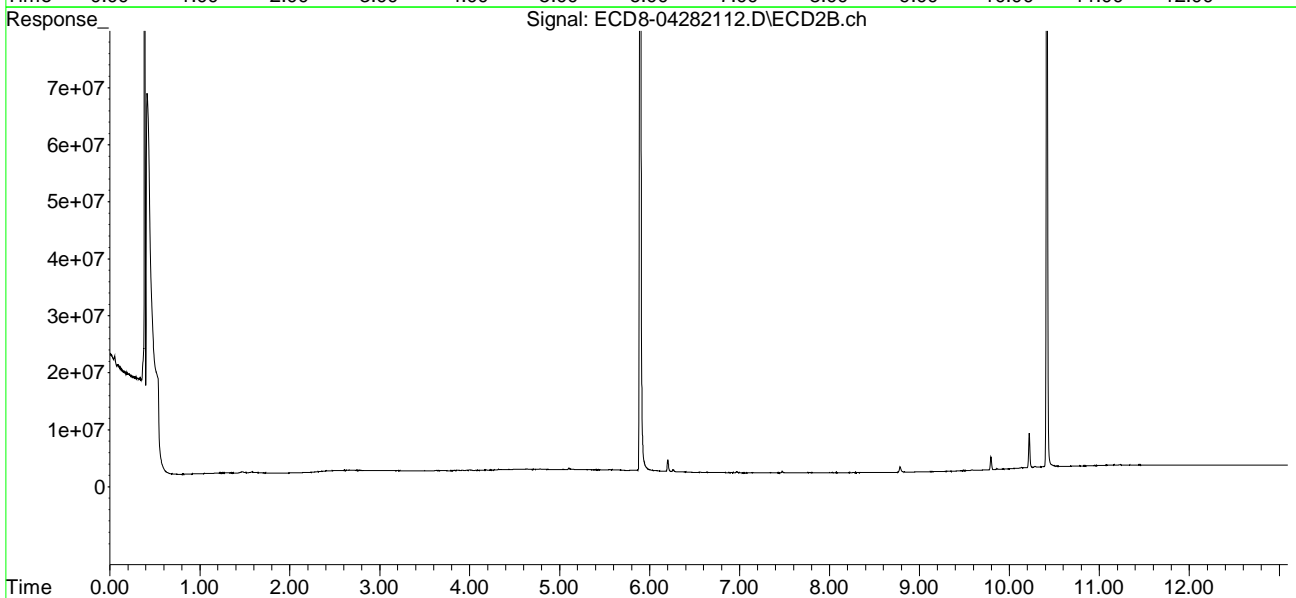
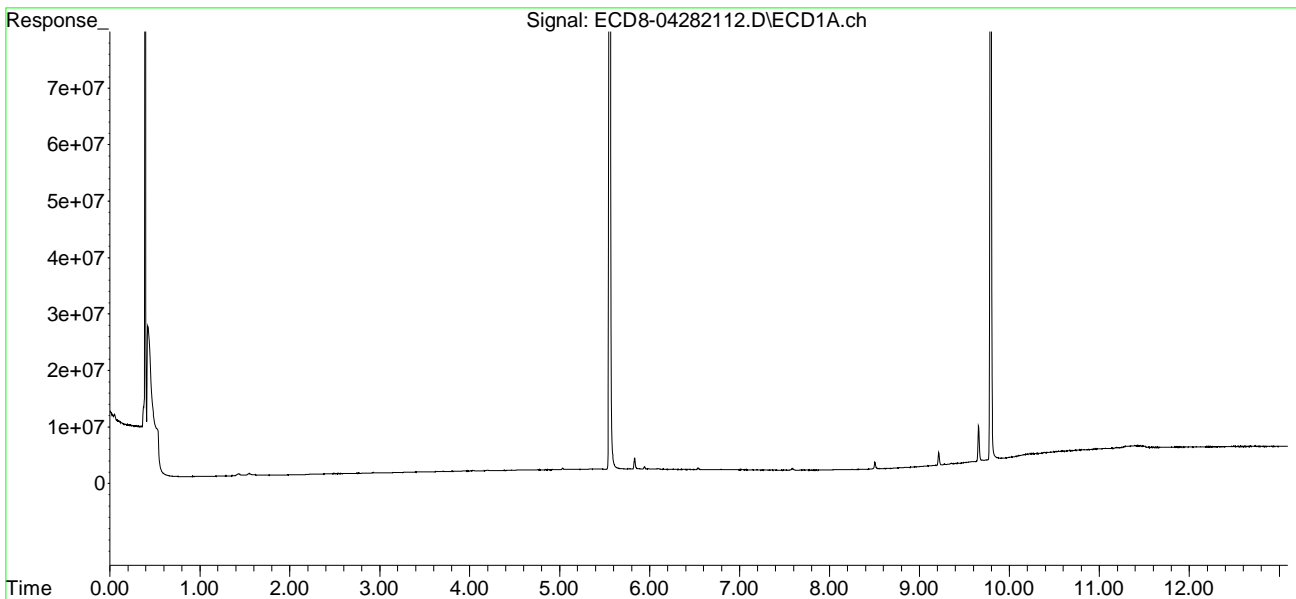
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.165	8.649	16094	18403	0.005	0.005
31)	Mirex	8.837	9.585f	45699	183027	21703.380	BelowCal #
32)	Chlordane...	7.587f	8.028	399185	34795	1.141	0.086 #
33)	Chlordane...	7.704	8.129	29866	13588	0.086	0.040 #
34)	Chlordane...	8.253	8.785	63168	935193	0.599	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.734	8.435	21124	16186	0.508	0.511
37)	Toxaphene...	8.018	8.785	8992	935193	12094.521	24.230 #
38)	Toxaphene...	8.341	8.785f	32494	935193	0.563	16.192 #
39)	Toxaphene...	8.610	8.882	55334	20563	0.877	BelowCal #
40)	Toxaphene...	8.814	9.058	25404	19656	0.535	BelowCal #
41)	Toxaphene...	8.918f	9.427	43450	69016	0.807	1.202 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282112.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 12:57  
Operator : MJB  
Sample : 1D28029-CCB1  
Misc : A21D192  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:16:27 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:57  
 Operator : MJB  
 Sample : 1D28029-CCB1  
 Misc : A21D192  
 ALS Vial : 7 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:16:27 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.558	5.896	282.1E6	326.8E6	87.970	96.004
22) S DCBP (S)	9.790	10.417	192.6E6	180.9E6	100.383	104.117
Target Compounds						
2) a-BHC	6.097	6.515f	305655	189089	0.072	0.042 #
3) g-BHC	6.388	6.832f	178750	117759	0.049	0.030 #
4) b-BHC	6.484	6.906f	165046	86707	0.106	BelowCal #
5) Heptachlor	6.794	7.208f	178084	51990	0.052	0.014 #
6) d-BHC	6.632	7.108	140049	41341	0.041	0.001 #
7) Aldrin	7.036	7.475f	91351	365057	0.027	0.104 #
8) Heptachlo...	7.507	7.873	45498	21739	0.014	0.007 #
9) trans-Chl...	7.587	8.028	399185	34795	0.124	0.010 #
10) cis-Chlor...	7.704	8.129	29866	13588	0.009	0.004 #
11) Endosulfa...	7.832f	8.178	16687	14450	0.006	0.005
12) 4,4'-DDE	7.753	8.223	45289	13916	0.013	0.004 #
13) Dieldrin	7.978	8.405f	9941	31179	0.003	0.009 #
14) Endrin	8.136	8.601	9242	25099	0.004	0.013 #
15) 4,4'-DDD	8.186	8.649	8987	18403	0.003	0.007 #
16) Endosulfa...	8.309	8.742	19605	19373	0.008	0.007
17) 4,4'-DDT	8.384	8.874	18513	23132	0.008	BelowCal #
18) Endrin Al...	8.610	8.982	55334	30638	BelowCal	BelowCal
19) Endosulfa...	8.918	9.176	43450	26900	0.017	0.010 #
20) Methoxychlor	8.720	9.334	57321	34210	0.046	0.026 #
21) Endrin Ke...	9.114	9.585f	90730	183027	0.030	BelowCal #
23) Hexachlor...	3.339	3.621	38311	608749	0.011	0.152 #
24) Hexachlor...	5.943	6.354	585613	300672	0.180	0.084 #
25) Oxychlorane	7.405f	7.799	27335	40864	0.010	0.014 #
26) 2,4'-DDE	7.500	8.002	42627	26914	0.019	0.012 #
27) trans-Non...	7.673	8.081	47748	27162	0.015	0.008 #
28) 2,4'-DDD	7.867	8.405f	11702	31179	0.006	BelowCal #
29) 2,4'-DDT	8.060	8.601	28690	25099	0.014	0.012

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 12:57  
 Operator : MJB  
 Sample : 1D28029-CCB1  
 Misc : A21D192  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:16:27 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

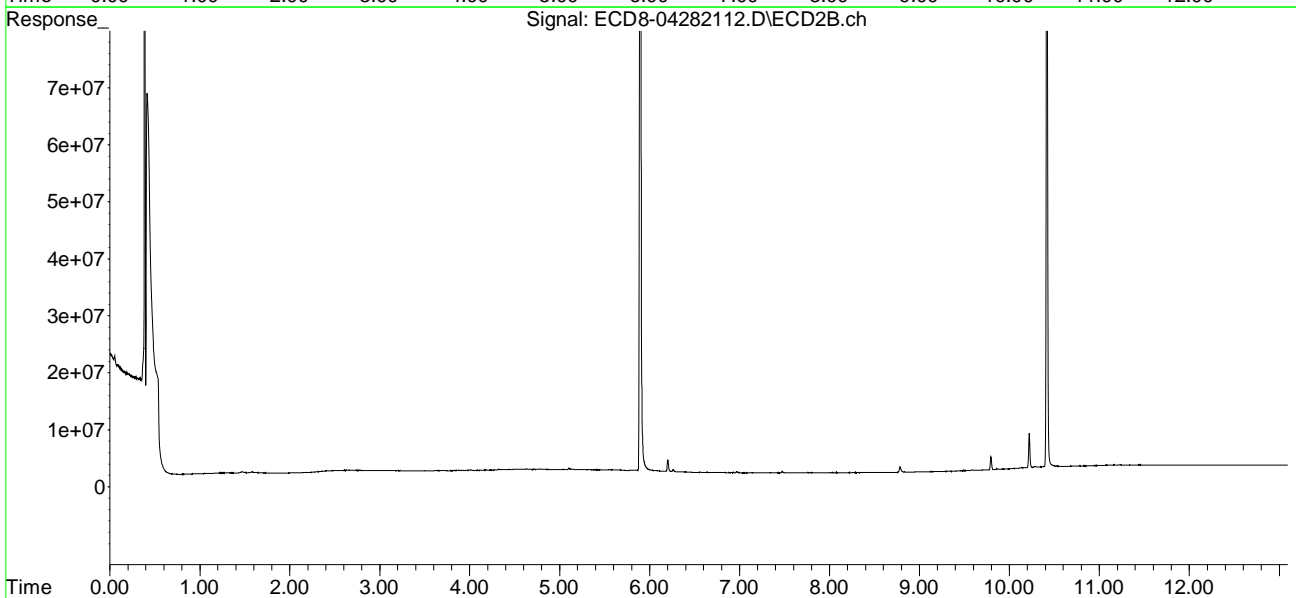
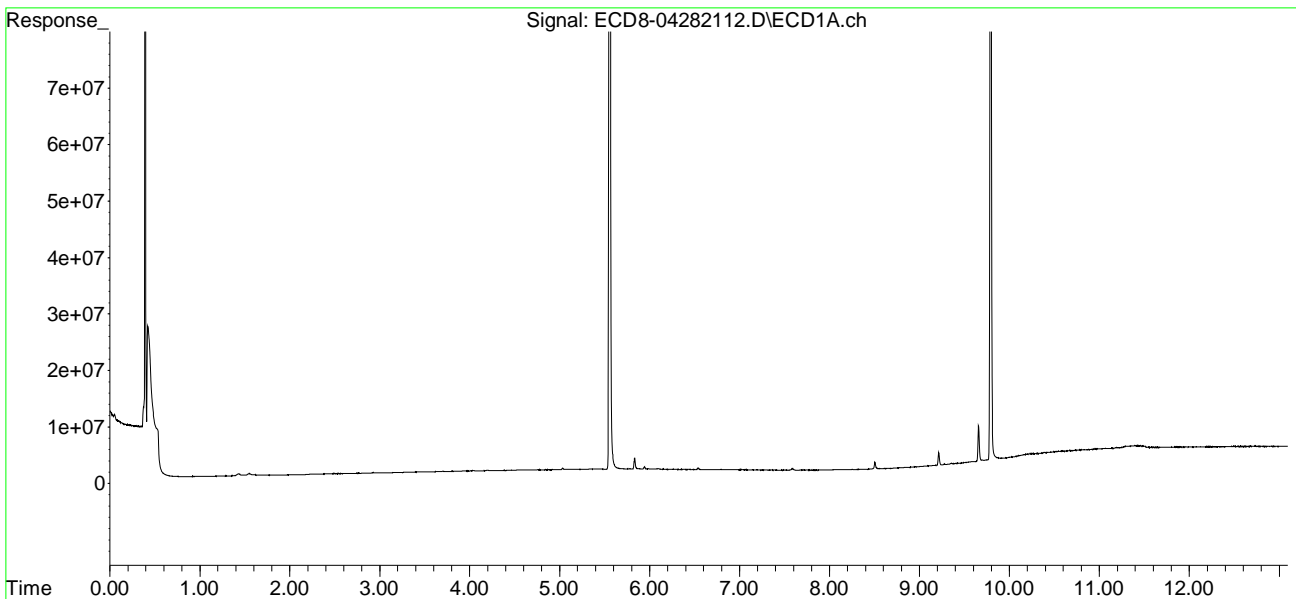
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.165	8.649	16094	18403	0.005	0.005
31)	Mirex	8.837	9.585f	45699	183027	21703.380	BelowCal #
32)	Chlordane...	7.587f	8.028	399185	34795	1.141	0.086 #
33)	Chlordane...	7.704	8.129	29866	13588	0.086	0.040 #
34)	Chlordane...	8.253	8.785	63168	935193	0.599	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.734	8.435	21124	16186	0.508	0.511
37)	Toxaphene...	8.018	8.785	8992	935193	12094.521	24.230 #
38)	Toxaphene...	8.341	8.785f	32494	935193	0.563	16.192 #
39)	Toxaphene...	8.610	8.882	55334	20563	0.877	BelowCal #
40)	Toxaphene...	8.814	9.058	25404	19656	0.535	BelowCal #
41)	Toxaphene...	8.918f	9.427	43450	69016	0.807	1.202 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282112.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 12:57  
Operator : MJB  
Sample : 1D28029-CCB1  
Misc : A21D192  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:16:27 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:14  
 Operator : MJB  
 Sample : 1040792-BLK1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:17:56 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.553	5.893	209.9E6	218.7E6	65.477	64.242
22) S DCBP (S)	9.782	10.406	178.0E6	173.7E6	92.348	99.981
Target Compounds						
2) a-BHC	6.100	6.483	75093	101779	0.018	0.022 #
3) g-BHC	6.392	6.796	91061	52407	0.025	0.013 #
4) b-BHC	6.447f	6.870	108350	47376	0.069	BelowCal #
5) Heptachlor	6.794	7.176	402727	184568	0.117	0.050 #
6) d-BHC	6.621	7.085f	98891	248268	0.029	0.059 #
7) Aldrin	7.034	7.435	104150	43409	0.030	0.012 #
8) Heptachlo...	7.514	7.860	352502	274476	0.112	0.083 #
9) trans-Chl...	7.595	8.020	99659	246125	0.031	0.073 #
10) cis-Chlor...	7.695	8.118	83195	75919	0.026	0.023
11) Endosulfa...	7.795	8.167	60063	110139	0.021	0.037 #
12) 4,4'-DDE	7.743	8.225	185508	82297	0.054	0.023 #
13) Dieldrin	7.967	8.363	156156	114408	0.049	0.035 #
14) Endrin	8.155	8.588	77898	58788	0.030	0.026
15) 4,4'-DDD	8.183	8.640	102494	45791	0.038	0.016 #
16) Endosulfa...	8.303	8.742	14379	84323	0.006	0.032 #
17) 4,4'-DDT	8.374	8.868	52817	118576	0.022	0.014 #
18) Endrin Al...	8.605	8.995	66322	49947	BelowCal	BelowCal
19) Endosulfa...	8.918	9.173	33475	34660	0.013	0.013
20) Methoxychlor	8.708	9.332	75741	96212	0.061	0.073
21) Endrin Ke...	9.103	9.570	72911	2772545	0.024	0.720 #
23) Hexachlor...	3.341	3.637f	224692	103012	0.065	0.026 #
24) Hexachlor...	5.938	6.355	479425	269362	0.147	0.075 #
25) Oxychlorane	7.402f	7.825	222352	201746	0.081	0.069
26) 2,4'-DDE	7.514	8.020	352502	246125	0.158	0.106 #
27) trans-Non...	7.676	8.068	24083	84347	0.008	0.025 #
28) 2,4'-DDD	7.874	8.363	102999	114408	0.054	BelowCal #
29) 2,4'-DDT	8.071	8.609	47211	55961	0.023	0.027

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:14  
 Operator : MJB  
 Sample : 1040792-BLK1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:17:56 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

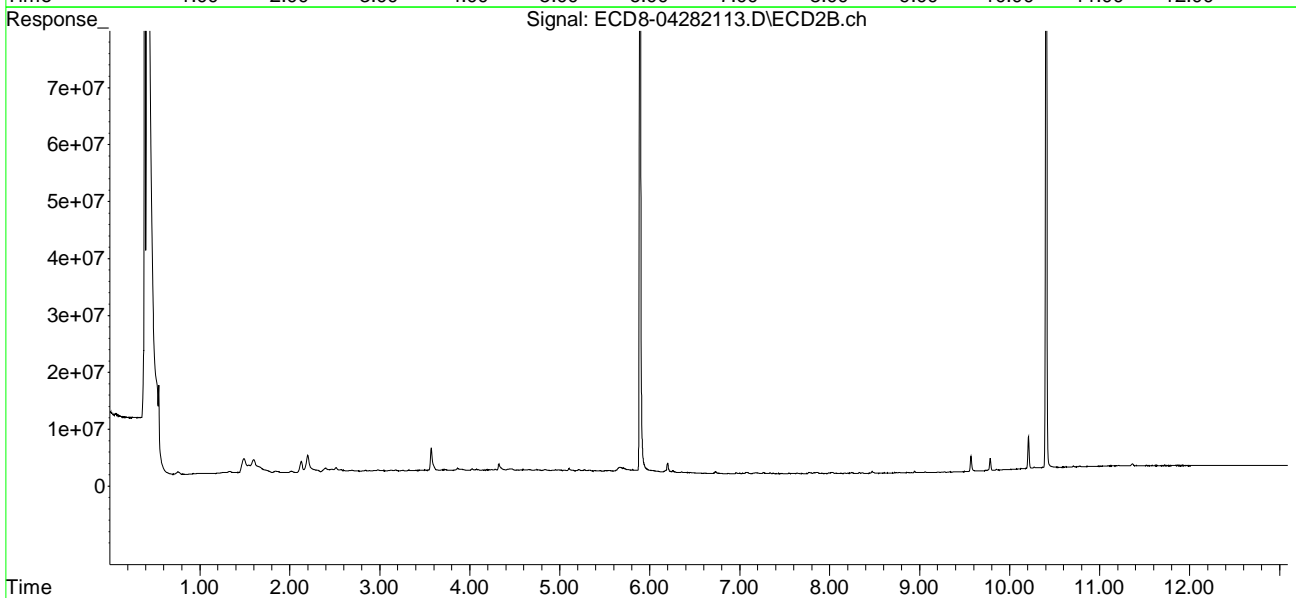
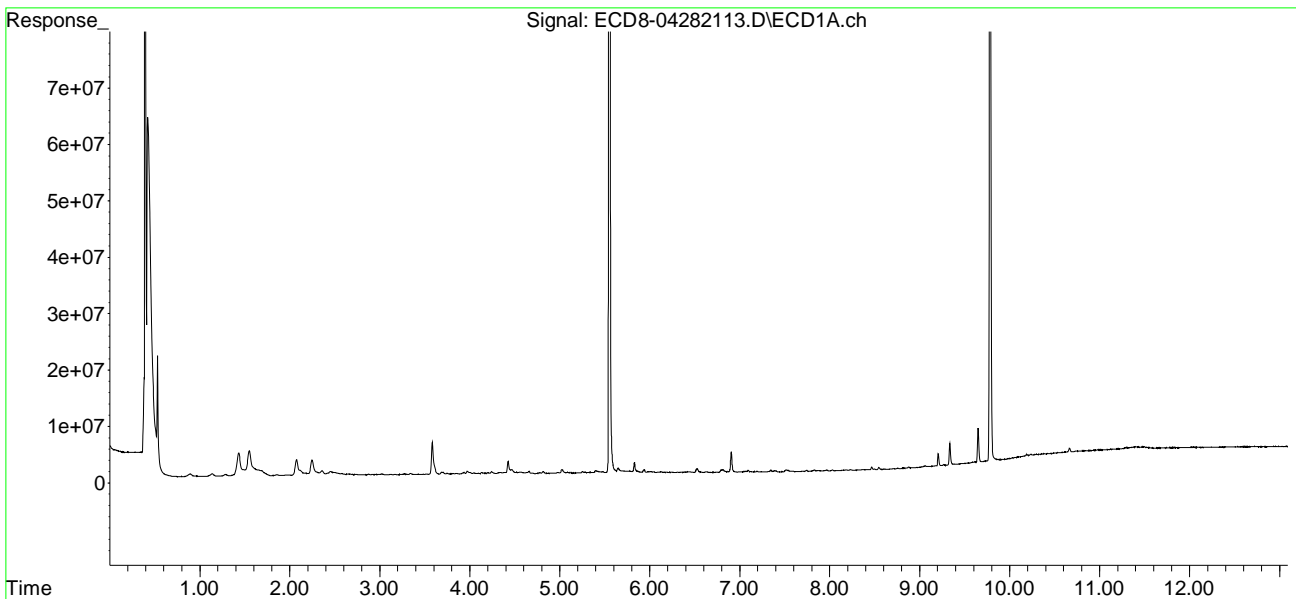
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.155	8.640	77898	45791	0.023	0.013 #
31)	Mirex	8.825	9.570	47357	2772545	21703.379	1.047 #
32)	Chlordane...	7.595	8.020	99659	246125	0.285	0.610 #
33)	Chlordane...	7.695	8.118	83195	75919	0.239	0.225
34)	Chlordane...	8.266	8.774	12199	103854	0.116	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.743	8.470f	185508	413597	11.654	13.048
37)	Toxaphene...	8.028	8.774	161745	103854	4.476	2.691 #
38)	Toxaphene...	8.359	8.812	60674	35059	1.051	0.607 #
39)	Toxaphene...	8.599	8.868	63646	118576	1.009	BelowCal #
40)	Toxaphene...	8.825	9.059	47357	190030	0.997	BelowCal #
41)	Toxaphene...	8.876	9.439	206478	83378	3.833	1.452 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282113.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 13:14  
Operator : MJB  
Sample : 1040792-BLK1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 8 Sample Multiplier: 1

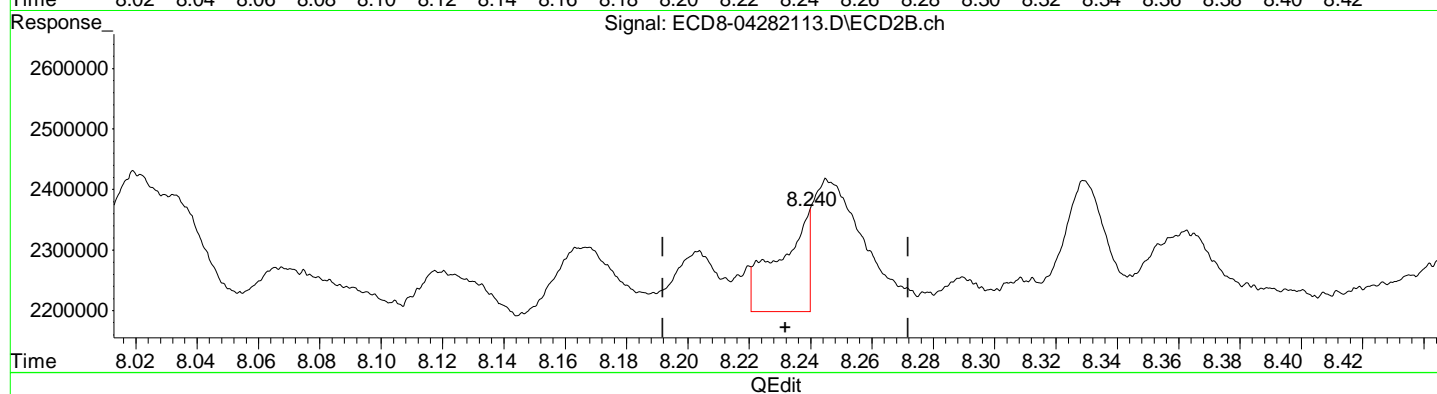
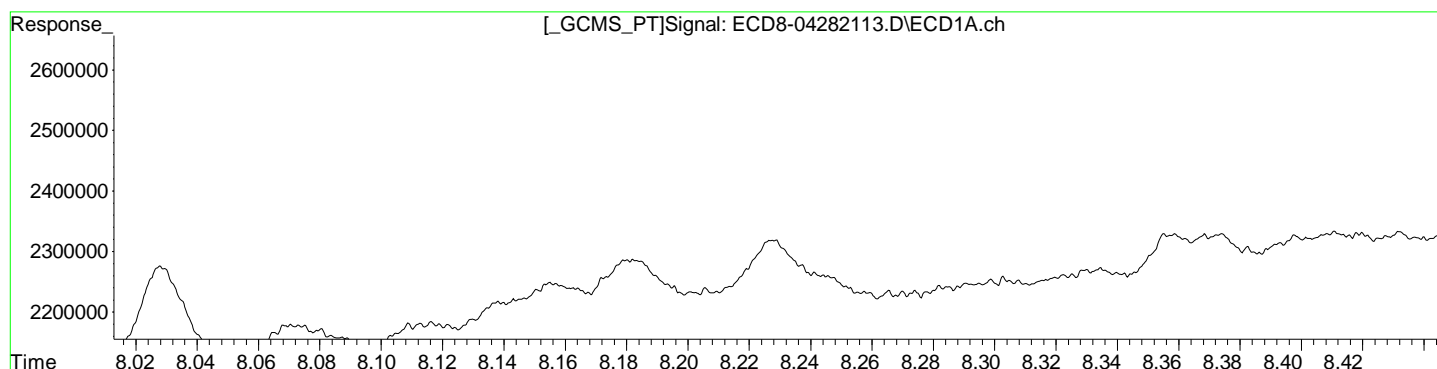
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:17:56 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282113.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 13:14  
Operator : MJB  
Sample : 1040792-BLK1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:17:56 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(12) 4,4'-DDE  
7.743min 0.054 ng/mL  
response 185508

(12) 4,4'-DDE #2  
8.240min 0.048 ng/mL m  
response 167211

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:14  
 Operator : MJB  
 Sample : 1040792-BLK1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 8 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:17:56 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.553	5.893	209.9E6	218.7E6	65.477	64.242
22) S DCBP (S)	9.782	10.406	178.0E6	173.7E6	92.348	99.981
Target Compounds						
2) a-BHC	6.100	6.483	75093	101779	0.018	0.022 #
3) g-BHC	6.392	6.796	91061	52407	0.025	0.013 #
4) b-BHC	6.447f	6.870	108350	47376	0.069	BelowCal #
5) Heptachlor	6.794	7.176	402727	184568	0.117	0.050 #
6) d-BHC	6.621	7.085f	98891	248268	0.029	0.059 #
7) Aldrin	7.034	7.435	104150	43409	0.030	0.012 #
8) Heptachlo...	7.514	7.860	352502	274476	0.112	0.083 #
9) trans-Chl...	7.595	8.020	99659	246125	0.031	0.073 #
10) cis-Chlor...	7.695	8.118	83195	75919	0.026	0.023
11) Endosulfa...	7.795	8.167	60063	110139	0.021	0.037 #
12) 4,4'-DDE	7.743	8.240	185508	167211	0.054	0.048m
13) Dieldrin	7.967	8.363	156156	114408	0.049	0.035 #
14) Endrin	8.155	8.588	77898	58788	0.030	0.026
15) 4,4'-DDD	8.183	8.640	102494	45791	0.038	0.016 #
16) Endosulfa...	8.303	8.742	14379	84323	0.006	0.032 #
17) 4,4'-DDT	8.374	8.868	52817	118576	0.022	0.014 #
18) Endrin Al...	8.605	8.995	66322	49947	BelowCal	BelowCal
19) Endosulfa...	8.918	9.173	33475	34660	0.013	0.013
20) Methoxychlor	8.708	9.332	75741	96212	0.061	0.073
21) Endrin Ke...	9.103	9.570	72911	2772545	0.024	0.720 #
23) Hexachlor...	3.341	3.637f	224692	103012	0.065	0.026 #
24) Hexachlor...	5.938	6.355	479425	269362	0.147	0.075 #
25) Oxychlorane	7.402f	7.825	222352	201746	0.081	0.069
26) 2,4'-DDE	7.514	8.020	352502	246125	0.158	0.106 #
27) trans-Non...	7.676	8.068	24083	84347	0.008	0.025 #
28) 2,4'-DDD	7.874	8.363	102999	114408	0.054	BelowCal #
29) 2,4'-DDT	8.071	8.609	47211	55961	0.023	0.027



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:14  
 Operator : MJB  
 Sample : 1040792-BLK1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:17:56 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

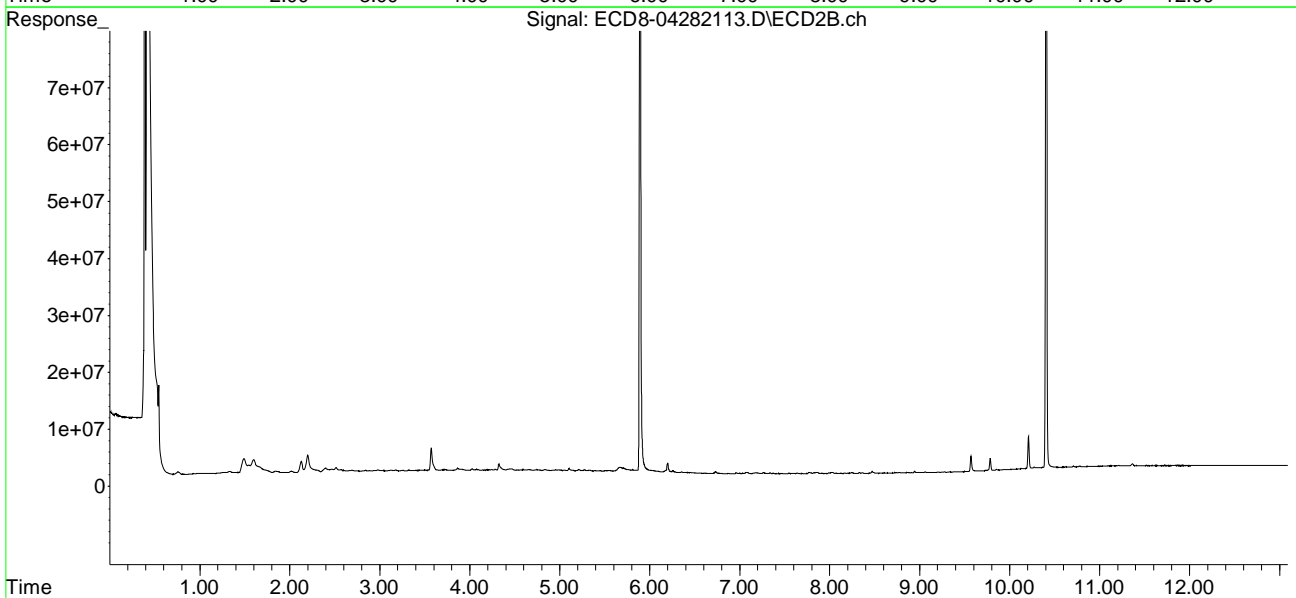
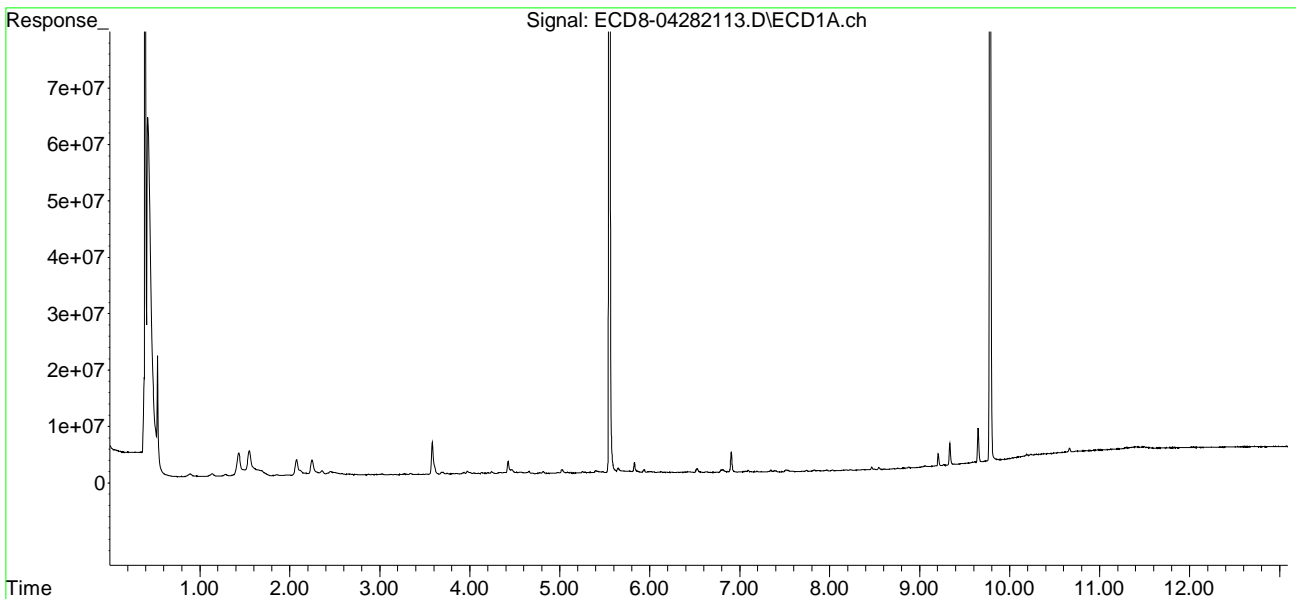
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.155	8.640	77898	45791	0.023	0.013 #
31)	Mirex	8.825	9.570	47357	2772545	21703.379	1.047 #
32)	Chlordane...	7.595	8.020	99659	246125	0.285	0.610 #
33)	Chlordane...	7.695	8.118	83195	75919	0.239	0.225
34)	Chlordane...	8.266	8.774	12199	103854	0.116	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.743	8.470f	185508	413597	11.654	13.048
37)	Toxaphene...	8.028	8.774	161745	103854	4.476	2.691 #
38)	Toxaphene...	8.359	8.812	60674	35059	1.051	0.607 #
39)	Toxaphene...	8.599	8.868	63646	118576	1.009	BelowCal #
40)	Toxaphene...	8.825	9.059	47357	190030	0.997	BelowCal #
41)	Toxaphene...	8.876	9.439	206478	83378	3.833	1.452 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282113.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 13:14  
Operator : MJB  
Sample : 1040792-BLK1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:17:56 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282114.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:30  
 Operator : MJB  
 Sample : 1040792-BS1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:19:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.553	5.892	201.6E6	215.1E6	62.889	63.199
22) S DCBP (S)	9.782	10.406	153.8E6	149.0E6	79.185	85.856
Target Compounds						
2) a-BHC	6.103	6.484	327.2E6	364.0E6	76.886	80.326
3) g-BHC	6.389	6.798	289.5E6	328.6E6	79.759	84.137
4) b-BHC	6.470	6.866	120.3E6	127.7E6	76.892	74.622
5) Heptachlor	6.789	7.173	255.7E6	286.1E6	74.568	77.583
6) d-BHC	6.621	7.113	281.9E6	300.0E6	83.511	74.419
7) Aldrin	7.031	7.436	230.8E6	241.6E6	67.127	68.693
8) Heptachlo...	7.501	7.869	252.9E6	244.8E6	80.197	73.971
9) trans-Chl...	7.594	8.011	249.6E6	255.7E6	77.496	75.861
10) cis-Chlor...	7.692	8.117	241.6E6	254.0E6	76.658	78.336
11) Endosulfa...	7.794	8.165	235.6E6	214.6E6	81.237	71.303
12) 4,4'-DDE	7.745	8.223	243.7E6	255.1E6	70.784	72.582
13) Dieldrin	7.968	8.364	268.8E6	258.3E6	84.737	78.535
14) Endrin	8.138	8.587	236.8E6	225.7E6	91.535	81.947
15) 4,4'-DDD	8.176	8.636	209.2E6	205.8E6	77.292	72.854
16) Endosulfa...	8.299	8.734	217.8E6	188.8E6	86.538	70.695
17) 4,4'-DDT	8.373	8.862	215.8E6	222.9E6	88.020	83.049
18) Endrin Al...	8.596	8.969	184.8E6	163.8E6	83.185	66.371
19) Endosulfa...	8.903	9.164	212.0E6	191.3E6	84.756	71.677
20) Methoxychlor	8.708	9.331	115.5E6	93268511	92.339	70.889
21) Endrin Ke...	9.103	9.554	259.8E6	240.1E6	87.206	79.991
23) Hexachlor...	3.339	0.000	242540	0	0.070	N.D. #
24) Hexachlor...	5.938	6.353	562557	318159	0.173	0.089 #
25) Oxychlorane	7.434	7.804	1065724	271196	0.386	0.092 #
26) 2,4'-DDE	7.501	8.011	252.9E6	255.7E6	113.168	110.020
27) trans-Non...	7.692	8.073	241.6E6	1582860	76.026	0.471 #
28) 2,4'-DDD	7.913f	8.364	224405	258.3E6	0.118	123.966 #
29) 2,4'-DDT	8.053	8.587	680867	225.7E6	0.338	107.264 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282114.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:30  
 Operator : MJB  
 Sample : 1040792-BS1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:19:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

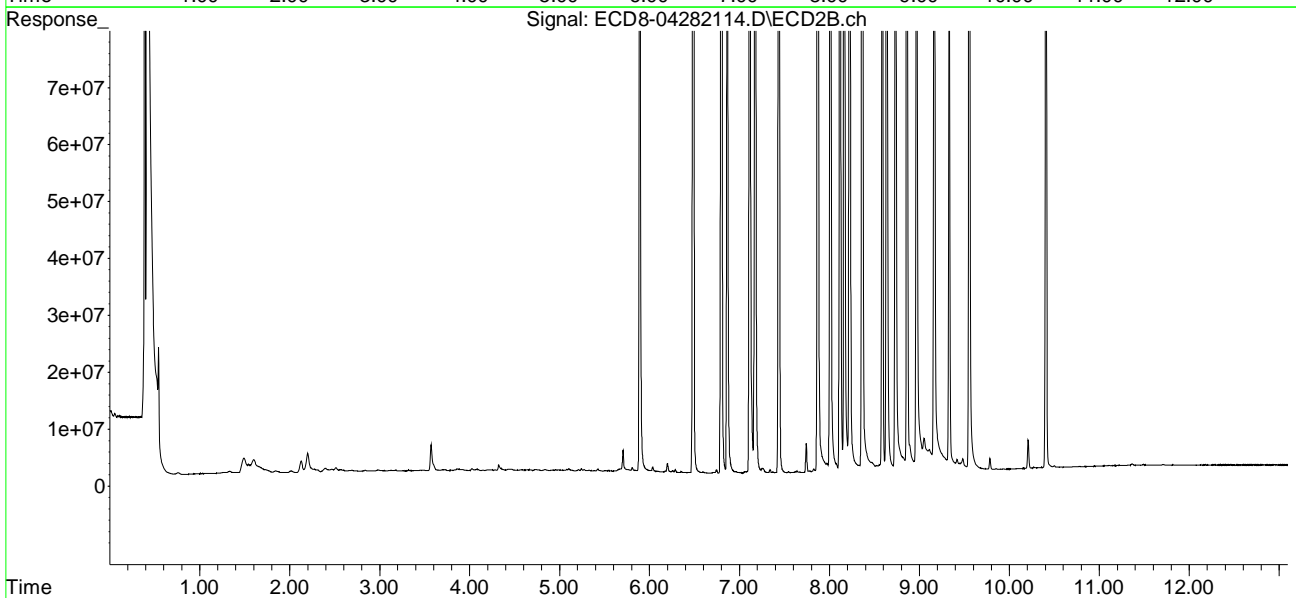
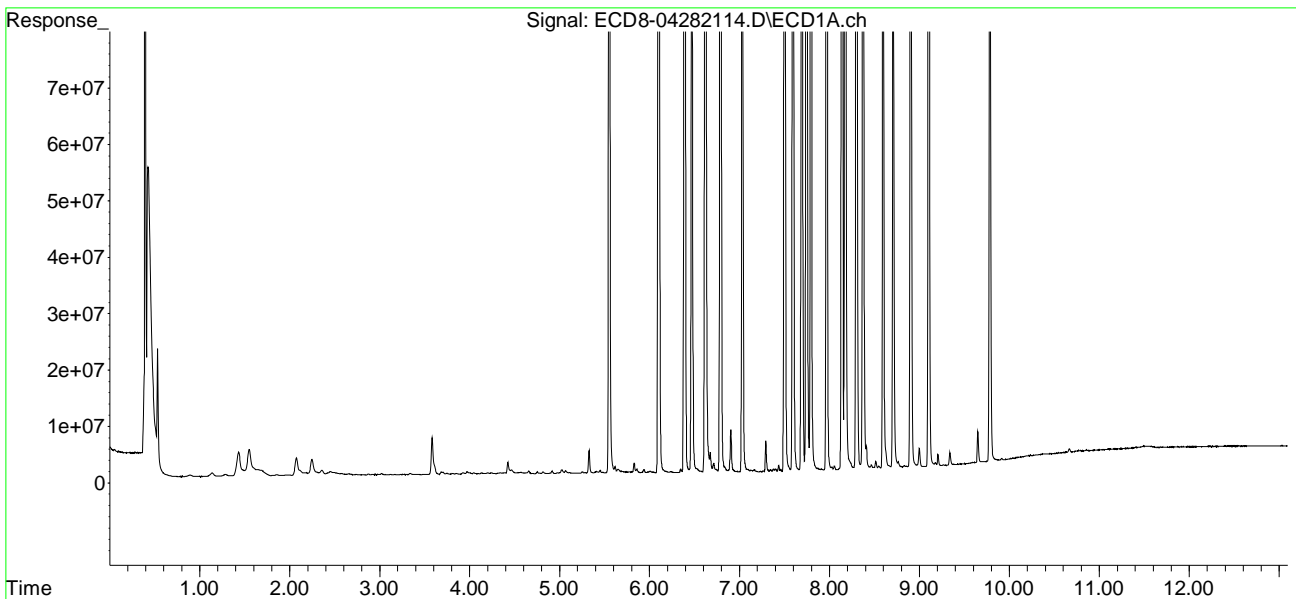
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.176	8.636	209.2E6	205.8E6	62.341	57.352
31)	Mirex	8.829	9.554	304930	240.1E6	21703.249	117.145 #
32)	Chlordane...	7.594	8.011	249.6E6	255.7E6	713.699	633.636
33)	Chlordane...	7.692	8.117	241.6E6	254.0E6	695.127	752.827
34)	Chlordane...	8.299f	0.000	217.8E6	0	2064.224	N.D. #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.745	8.469f	243.7E6	1636436	BelowCal	51.625
37)	Toxaphene...	8.025	0.000	500450	0	15.033	N.D. #
38)	Toxaphene...	8.373f	0.000	215.8E6	0	3738.327	N.D. #
39)	Toxaphene...	8.596	8.890	184.8E6	4579512	2929.696	48.177 #
40)	Toxaphene...	8.829	9.052	304930	5717008	6.417	102.946 #
41)	Toxaphene...	8.903	9.418f	212.0E6	1853642	3935.174	32.290 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282114.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 13:30  
Operator : MJB  
Sample : 1040792-BS1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:19:14 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282114.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:30  
 Operator : MJB  
 Sample : 1040792-BS1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 9 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:19:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.553	5.892	201.6E6	215.1E6	62.889	63.199
22) S DCBP (S)	9.782	10.406	153.8E6	149.0E6	79.185	85.856
Target Compounds						
2) a-BHC	6.103	6.484	327.2E6	364.0E6	76.886	80.326
3) g-BHC	6.389	6.798	289.5E6	328.6E6	79.759	84.137
4) b-BHC	6.470	6.866	120.3E6	127.7E6	76.892	74.622
5) Heptachlor	6.789	7.173	255.7E6	286.1E6	74.568	77.583
6) d-BHC	6.621	7.113	281.9E6	300.0E6	83.511	74.419
7) Aldrin	7.031	7.436	230.8E6	241.6E6	67.127	68.693
8) Heptachlo...	7.501	7.869	252.9E6	244.8E6	80.197	73.971
9) trans-Chl...	7.594	8.011	249.6E6	255.7E6	77.496	75.861
10) cis-Chlor...	7.692	8.117	241.6E6	254.0E6	76.658	78.336
11) Endosulfa...	7.794	8.165	235.6E6	214.6E6	81.237	71.303
12) 4,4'-DDE	7.745	8.223	243.7E6	255.1E6	70.784	72.582
13) Dieldrin	7.968	8.364	268.8E6	258.3E6	84.737	78.535
14) Endrin	8.138	8.587	236.8E6	225.7E6	91.535	81.947
15) 4,4'-DDD	8.176	8.636	209.2E6	205.8E6	77.292	72.854
16) Endosulfa...	8.299	8.734	217.8E6	188.8E6	86.538	70.695
17) 4,4'-DDT	8.373	8.862	215.8E6	222.9E6	88.020	83.049
18) Endrin Al...	8.596	8.969	184.8E6	163.8E6	83.185	66.371
19) Endosulfa...	8.903	9.164	212.0E6	191.3E6	84.756	71.677
20) Methoxychlor	8.708	9.331	115.5E6	93268511	92.339	70.889
21) Endrin Ke...	9.103	9.554	259.8E6	240.1E6	87.206	79.991
23) Hexachlor...	3.339	0.000	242540	0	0.070	N.D. #
24) Hexachlor...	5.938	6.353	562557	318159	0.173	0.089 #
25) Oxychlorane	7.434	7.804	1065724	271196	0.386	0.092 #
26) 2,4'-DDE	7.501	8.011	252.9E6	255.7E6	113.168	110.020
27) trans-Non...	7.692	8.073	241.6E6	1582860	76.026	0.471 #
28) 2,4'-DDD	7.913f	8.364	224405	258.3E6	0.118	123.966 #
29) 2,4'-DDT	8.053	8.587	680867	225.7E6	0.338	107.264 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282114.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:30  
 Operator : MJB  
 Sample : 1040792-BS1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:19:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

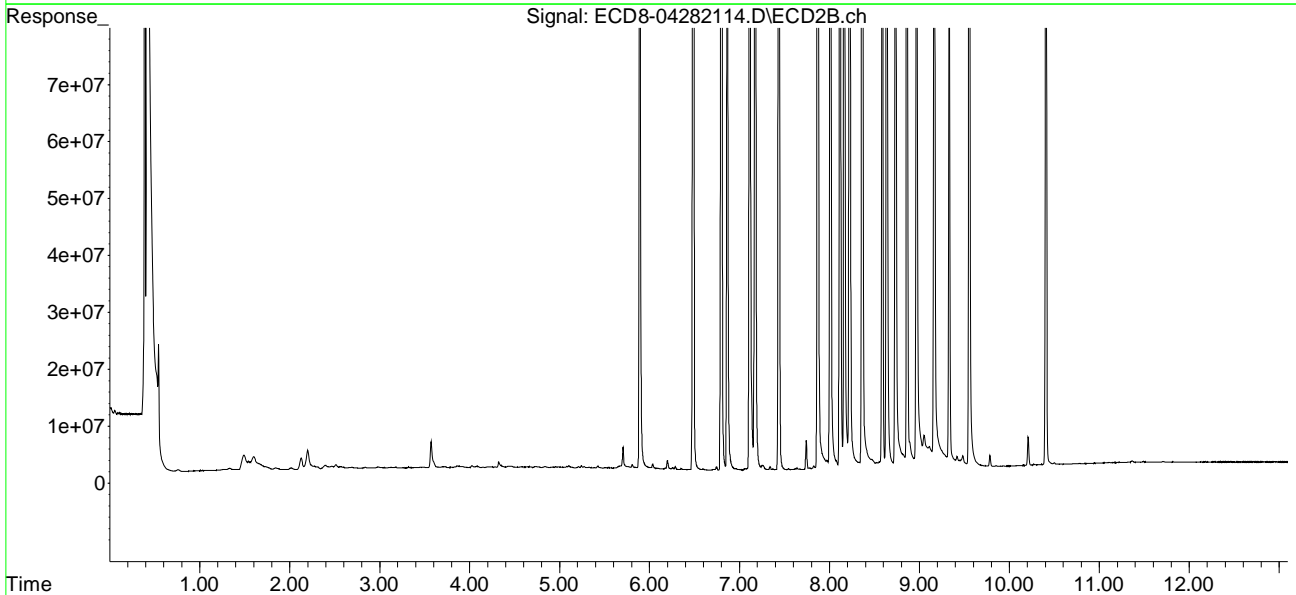
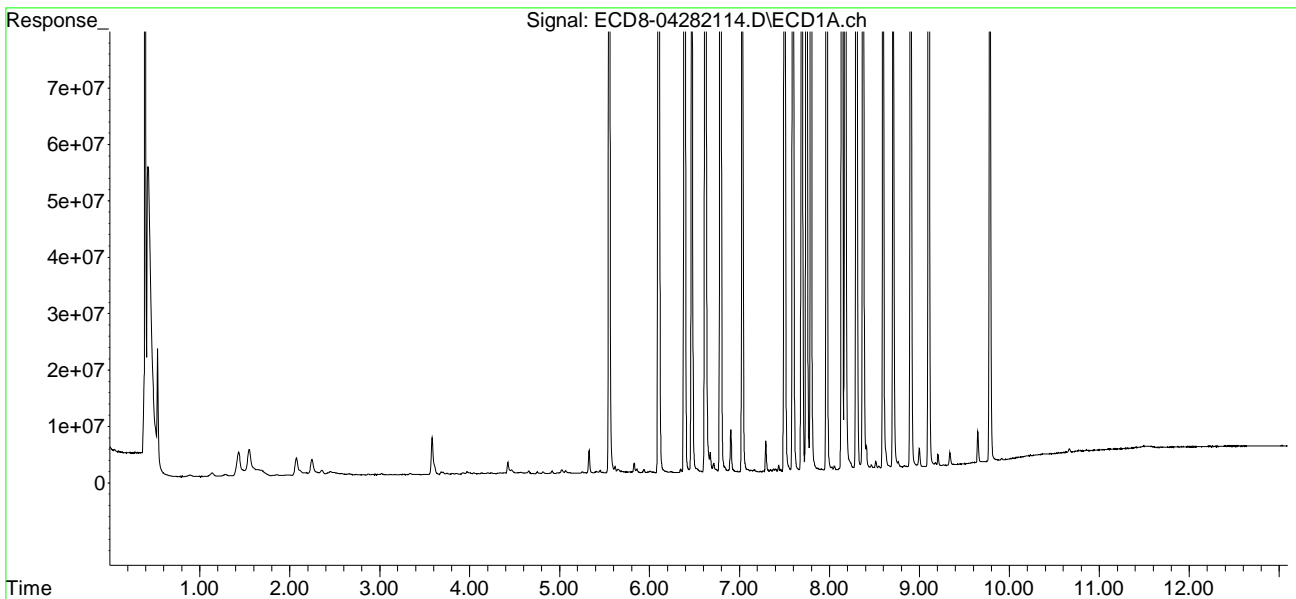
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.176	8.636	209.2E6	205.8E6	62.341	57.352
31)	Mirex	8.829	9.554	304930	240.1E6	21703.249	117.145 #
32)	Chlordane...	7.594	8.011	249.6E6	255.7E6	713.699	633.636
33)	Chlordane...	7.692	8.117	241.6E6	254.0E6	695.127	752.827
34)	Chlordane...	8.299f	0.000	217.8E6	0	2064.224	N.D. #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.745	8.469f	243.7E6	1636436	BelowCal	51.625
37)	Toxaphene...	8.025	0.000	500450	0	15.033	N.D. #
38)	Toxaphene...	8.373f	0.000	215.8E6	0	3738.327	N.D. #
39)	Toxaphene...	8.596	8.890	184.8E6	4579512	2929.696	48.177 #
40)	Toxaphene...	8.829	9.052	304930	5717008	6.417	102.946 #
41)	Toxaphene...	8.903	9.418f	212.0E6	1853642	3935.174	32.290 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282114.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 13:30  
Operator : MJB  
Sample : 1040792-BS1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:19:14 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282115.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:46  
 Operator : MJB  
 Sample : 1040792-BSD1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:20:12 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.553	5.892	206.4E6	219.8E6	64.365	64.568
22) S DCBP (S)	9.781	10.404	157.8E6	157.7E6	81.359	90.819
Target Compounds						
2) a-BHC	6.103	6.484	335.0E6	378.1E6	78.720	83.436
3) g-BHC	6.389	6.798	294.1E6	330.2E6	81.022	84.559
4) b-BHC	6.469	6.865	126.2E6	133.6E6	80.704	77.855
5) Heptachlor	6.789	7.173	267.1E6	303.1E6	77.904	82.196
6) d-BHC	6.621	7.113	279.5E6	310.0E6	82.797	76.662
7) Aldrin	7.031	7.436	233.0E6	249.2E6	67.784	70.839
8) Heptachlo...	7.501	7.870	258.8E6	244.0E6	82.076	73.738
9) trans-Chl...	7.594	8.010	253.4E6	268.6E6	78.647	79.689
10) cis-Chlor...	7.691	8.117	246.9E6	255.3E6	78.311	78.733
11) Endosulfa...	7.793	8.165	242.7E6	221.7E6	83.676	73.652
12) 4,4'-DDE	7.745	8.223	243.4E6	258.5E6	70.701	73.553
13) Dieldrin	7.968	8.364	280.7E6	266.2E6	88.504	80.936
14) Endrin	8.138	8.586	253.4E6	231.4E6	97.969	83.812
15) 4,4'-DDD	8.175	8.636	215.8E6	217.1E6	79.735	76.833
16) Endosulfa...	8.299	8.733	230.3E6	194.7E6	91.515	72.900
17) 4,4'-DDT	8.373	8.862	227.3E6	228.8E6	92.737	84.996
18) Endrin Al...	8.595	8.968	191.5E6	171.6E6	86.056	69.477
19) Endosulfa...	8.902	9.164	226.0E6	204.1E6	90.357	76.484
20) Methoxychlor	8.708	9.330	118.5E6	99023413	94.700	75.263
21) Endrin Ke...	9.103	9.553	261.8E6	254.3E6	87.896	84.248
23) Hexachlor...	3.340	3.640f	347155	288515	0.100	0.072 #
24) Hexachlor...	5.938	6.354	669121	367740	0.205	0.102 #
25) Oxychlorane	7.434	7.803	1090905	388940	0.396	0.132 #
26) 2,4'-DDE	7.501	8.010	258.8E6	268.6E6	115.819	115.572
27) trans-Non...	7.691	8.075	246.9E6	1581027	77.665	0.470 #
28) 2,4'-DDD	7.868	8.364	387515	266.2E6	0.205	127.435 #
29) 2,4'-DDT	8.052	8.586	722430	231.4E6	0.358	109.990 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282115.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:46  
 Operator : MJB  
 Sample : 1040792-BSD1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:20:12 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

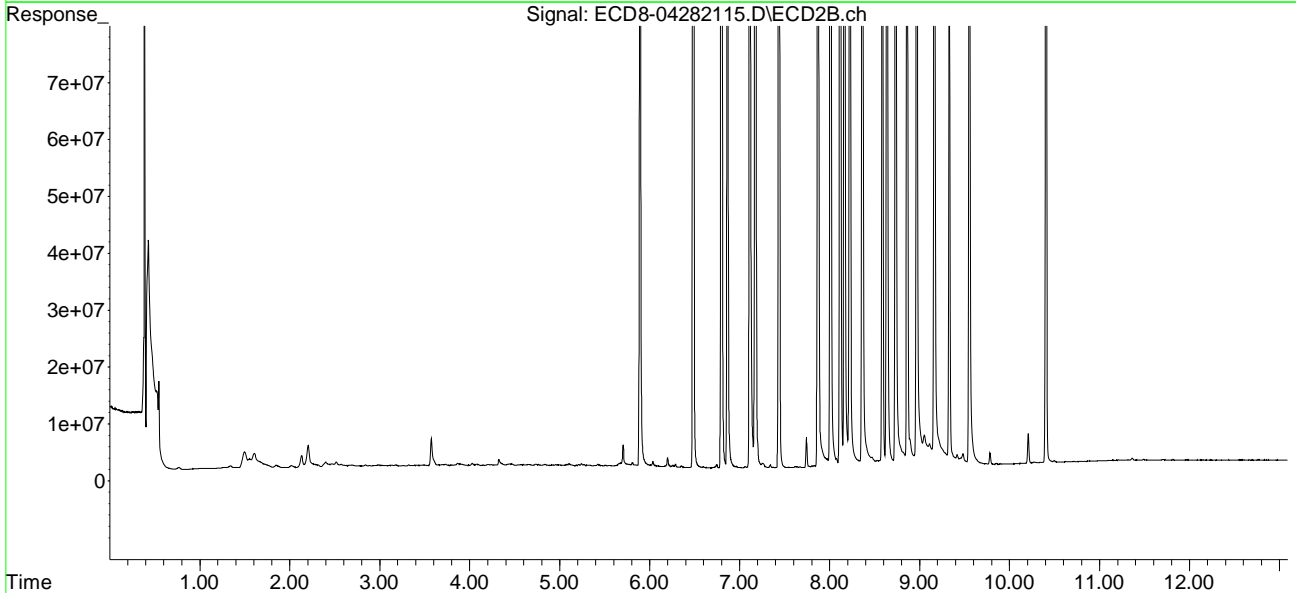
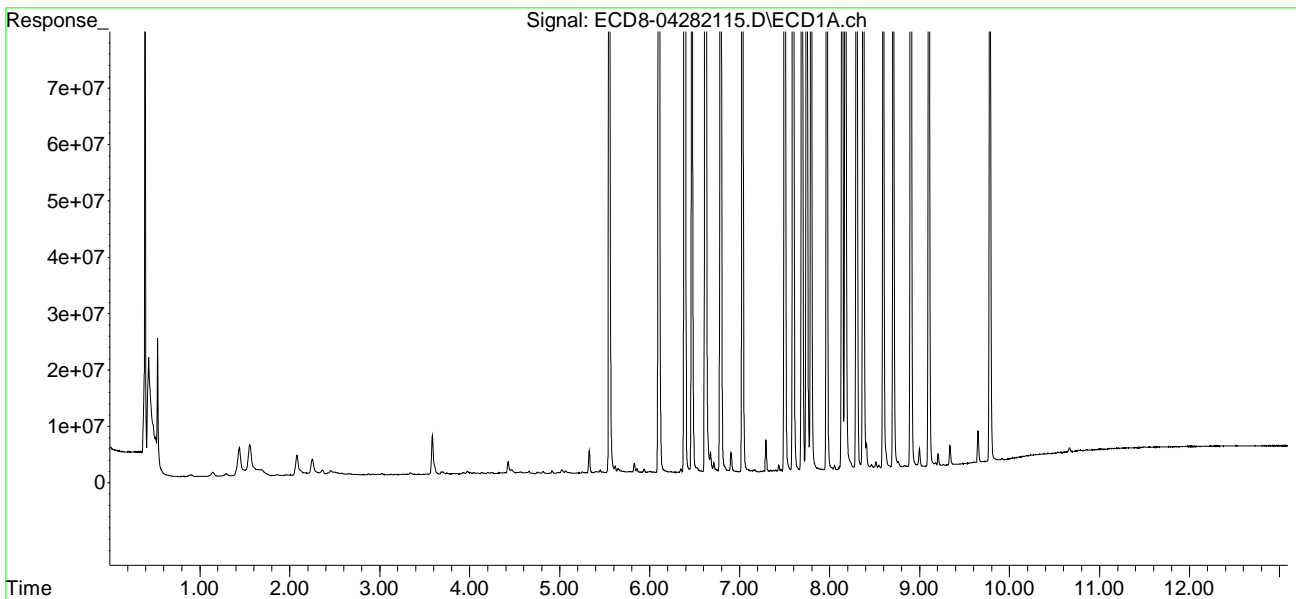
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.175	8.636	215.8E6	217.1E6	64.311	60.484
31)	Mirex	8.829	9.553	269261	254.3E6	21703.267	123.522 #
32)	Chlordane...	7.594	8.010	253.4E6	268.6E6	724.305	665.611
33)	Chlordane...	7.691	8.117	246.9E6	255.3E6	710.115	756.645
34)	Chlordane...	8.299f	8.815f	230.3E6	2472484	2182.950	14.015 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.745	8.469f	243.4E6	1662984	BelowCal	52.463
37)	Toxaphene...	8.023	8.815f	400573	2472484	11.918	64.060 #
38)	Toxaphene...	8.373f	8.815	227.3E6	2472484	3938.634	42.808 #
39)	Toxaphene...	8.595	8.862f	191.5E6	228.8E6	3035.448	2222.819 #
40)	Toxaphene...	8.829	9.052	269261	5424540	5.667	97.504 #
41)	Toxaphene...	8.902	9.416f	226.0E6	1861055	4195.262	32.419 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282115.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 13:46  
Operator : MJB  
Sample : 1040792-BSD1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:20:12 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282115.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:46  
 Operator : MJB  
 Sample : 1040792-BSD1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 10 Sample Multiplier: 1

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MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:20:12 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.553	5.892	206.4E6	219.8E6	64.365	64.568
22) S DCBP (S)	9.781	10.404	157.8E6	157.7E6	81.359	90.819
Target Compounds						
2) a-BHC	6.103	6.484	335.0E6	378.1E6	78.720	83.436
3) g-BHC	6.389	6.798	294.1E6	330.2E6	81.022	84.559
4) b-BHC	6.469	6.865	126.2E6	133.6E6	80.704	77.855
5) Heptachlor	6.789	7.173	267.1E6	303.1E6	77.904	82.196
6) d-BHC	6.621	7.113	279.5E6	310.0E6	82.797	76.662
7) Aldrin	7.031	7.436	233.0E6	249.2E6	67.784	70.839
8) Heptachlo...	7.501	7.870	258.8E6	244.0E6	82.076	73.738
9) trans-Chl...	7.594	8.010	253.4E6	268.6E6	78.647	79.689
10) cis-Chlor...	7.691	8.117	246.9E6	255.3E6	78.311	78.733
11) Endosulfa...	7.793	8.165	242.7E6	221.7E6	83.676	73.652
12) 4,4'-DDE	7.745	8.223	243.4E6	258.5E6	70.701	73.553
13) Dieldrin	7.968	8.364	280.7E6	266.2E6	88.504	80.936
14) Endrin	8.138	8.586	253.4E6	231.4E6	97.969	83.812
15) 4,4'-DDD	8.175	8.636	215.8E6	217.1E6	79.735	76.833
16) Endosulfa...	8.299	8.733	230.3E6	194.7E6	91.515	72.900
17) 4,4'-DDT	8.373	8.862	227.3E6	228.8E6	92.737	84.996
18) Endrin Al...	8.595	8.968	191.5E6	171.6E6	86.056	69.477
19) Endosulfa...	8.902	9.164	226.0E6	204.1E6	90.357	76.484
20) Methoxychlor	8.708	9.330	118.5E6	99023413	94.700	75.263
21) Endrin Ke...	9.103	9.553	261.8E6	254.3E6	87.896	84.248
23) Hexachlor...	3.340	3.640f	347155	288515	0.100	0.072 #
24) Hexachlor...	5.938	6.354	669121	367740	0.205	0.102 #
25) Oxychlorane	7.434	7.803	1090905	388940	0.396	0.132 #
26) 2,4'-DDE	7.501	8.010	258.8E6	268.6E6	115.819	115.572
27) trans-Non...	7.691	8.075	246.9E6	1581027	77.665	0.470 #
28) 2,4'-DDD	7.868	8.364	387515	266.2E6	0.205	127.435 #
29) 2,4'-DDT	8.052	8.586	722430	231.4E6	0.358	109.990 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282115.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 13:46  
 Operator : MJB  
 Sample : 1040792-BSD1  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:20:12 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

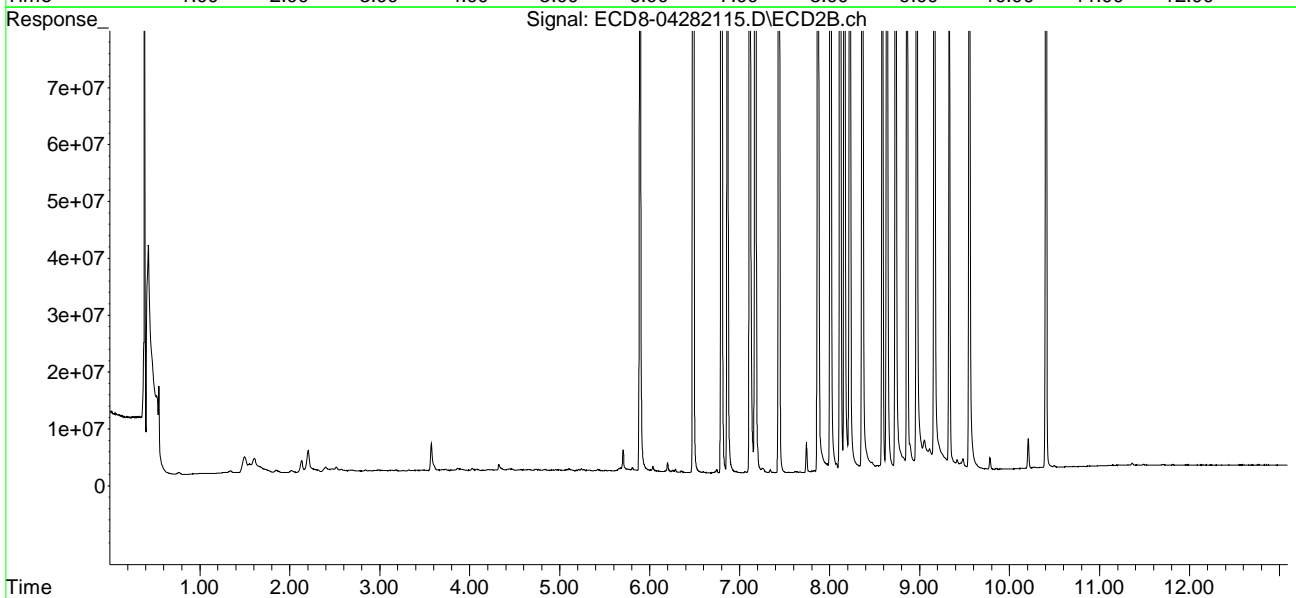
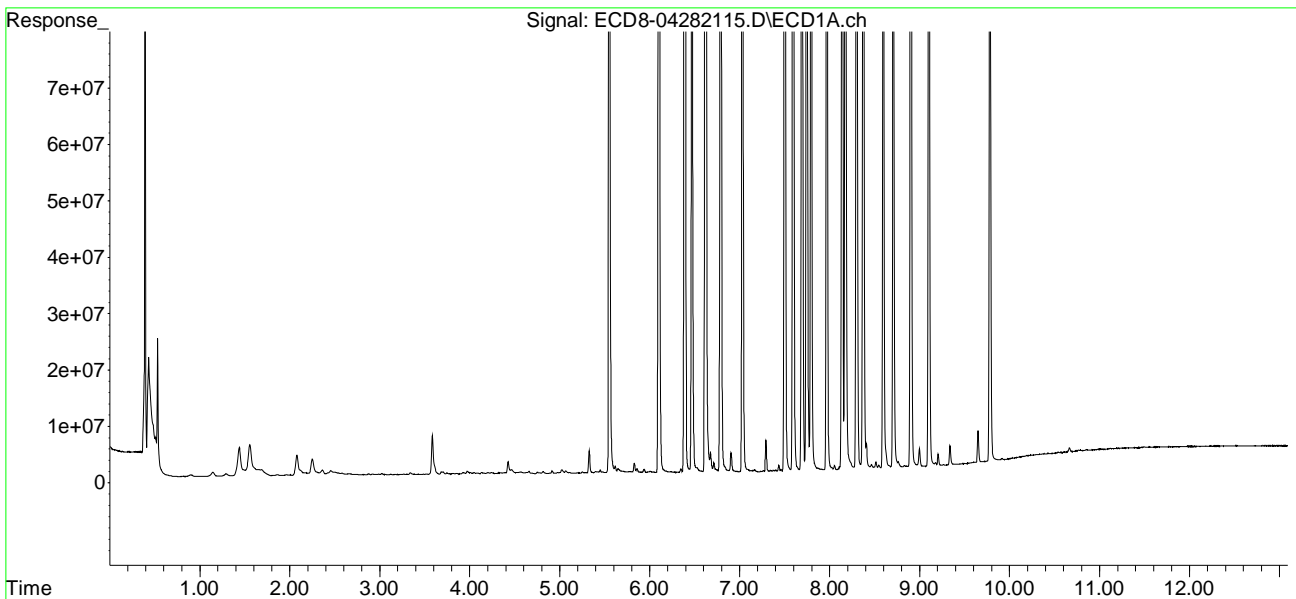
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.175	8.636	215.8E6	217.1E6	64.311	60.484
31)	Mirex	8.829	9.553	269261	254.3E6	21703.267	123.522 #
32)	Chlordane...	7.594	8.010	253.4E6	268.6E6	724.305	665.611
33)	Chlordane...	7.691	8.117	246.9E6	255.3E6	710.115	756.645
34)	Chlordane...	8.299f	8.815f	230.3E6	2472484	2182.950	14.015 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.745	8.469f	243.4E6	1662984	BelowCal	52.463
37)	Toxaphene...	8.023	8.815f	400573	2472484	11.918	64.060 #
38)	Toxaphene...	8.373f	8.815	227.3E6	2472484	3938.634	42.808 #
39)	Toxaphene...	8.595	8.862f	191.5E6	228.8E6	3035.448	2222.819 #
40)	Toxaphene...	8.829	9.052	269261	5424540	5.667	97.504 #
41)	Toxaphene...	8.902	9.416f	226.0E6	1861055	4195.262	32.419 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282115.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 13:46  
Operator : MJB  
Sample : 1040792-BSD1  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:20:12 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:03  
 Operator : MJB  
 Sample : 1040792-BS2  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:21:13 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.557	5.898	213.4E6	229.6E6	66.563	67.441
22) S DCBP (S)	9.792	10.416	145.4E6	140.9E6	74.653	81.199
Target Compounds						
2) a-BHC	6.105	6.489	423855	388351	0.100	0.086
3) g-BHC	6.388	6.805	401885	160169	0.111	0.041 #
4) b-BHC	6.476	6.882	97223	385115	0.062	0.043 #
5) Heptachlor	6.797	7.182	512413	334920	0.149	0.091 #
6) d-BHC	6.631	7.120	298061	165599	0.088	0.036 #
7) Aldrin	7.037	7.444	164732	318190	0.048	0.090 #
8) Heptachlo...	7.500	7.914f	158.5E6	1281646	50.251	0.387 #
9) trans-Chl...	7.601	8.008	1226195	158.6E6	0.381	47.050 #
10) cis-Chlor...	7.687	8.087f	236.0E6	252.2E6	74.877	77.792
11) Endosulfa...	7.801	8.175	316584	713649	0.109	0.237 #
12) 4,4'-DDE	7.782f	8.231	243199	371442	0.071	0.106 #
13) Dieldrin	7.971	8.380	618217	141.5E6	0.195	43.026 #
14) Endrin	8.166f	8.601	252.4E6	174.0E6	97.546	64.733 #
15) 4,4'-DDD	8.166	8.646	252.4E6	268.6E6	93.238	95.078
16) Endosulfa...	8.305	0.000	161728	0	0.064	N.D. #
17) 4,4'-DDT	8.382	8.873	164153	201843	0.067	0.050 #
18) Endrin Al...	8.605	8.984	291502	322062	BelowCal	BelowCal
19) Endosulfa...	8.911	9.176	454640	144605	0.182	0.054 #
20) Methoxychlor	8.719	9.343	99997	86859	0.080	0.066
21) Endrin Ke...	9.112	9.556	137363	156.4E6	0.046	53.964 #
23) Hexachlor...	3.340	3.613	155.1E6	194.9E6	44.611	48.625
24) Hexachlor...	5.942	6.360	204.3E6	233.6E6	62.661	65.050
25) Oxychlorane	7.431	7.811	205.5E6	208.6E6	74.538	70.943
26) 2,4'-DDE	7.500	8.008	158.5E6	158.6E6	70.910	68.236
27) trans-Non...	7.687	8.087	236.0E6	252.2E6	74.260	74.995
28) 2,4'-DDD	7.879	8.380	143.0E6	141.5E6	75.489	70.630
29) 2,4'-DDT	8.062	8.601	166.5E6	174.0E6	82.550	82.699

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:03  
 Operator : MJB  
 Sample : 1040792-BS2  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:21:13 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.166	8.646	252.4E6	268.6E6	75.202	74.848
31)	Mirex	8.841	9.556	145.4E6	156.4E6	73.361	78.433
32)	Chlordane...	7.601	8.008	1226195	158.6E6	3.505	392.987 #
33)	Chlordane...	7.687	0.000	236.0E6	0	678.978	N.D. #
34)	Chlordane...	0.000	8.784	0	227500	N.D.	BelowCal
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.459f	0	470509	N.D.	14.843 #
37)	Toxaphene...	8.032	8.784	2265983	227500	70.362	5.894 #
38)	Toxaphene...	8.382f	8.784f	164153	227500	2.844	3.939 #
39)	Toxaphene...	8.605	8.873	291502	201843	4.621	BelowCal #
40)	Toxaphene...	8.841	9.083	145.4E6	45392	3059.983	BelowCal #
41)	Toxaphene...	8.911	9.441	454640	310404	8.439	5.407 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

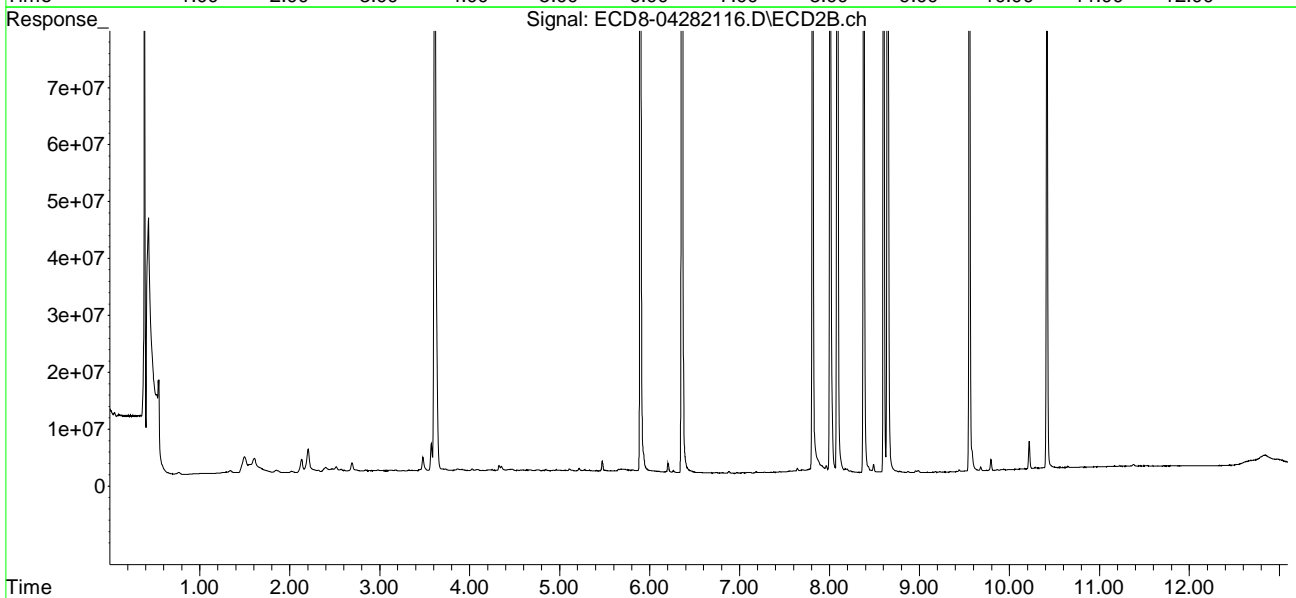
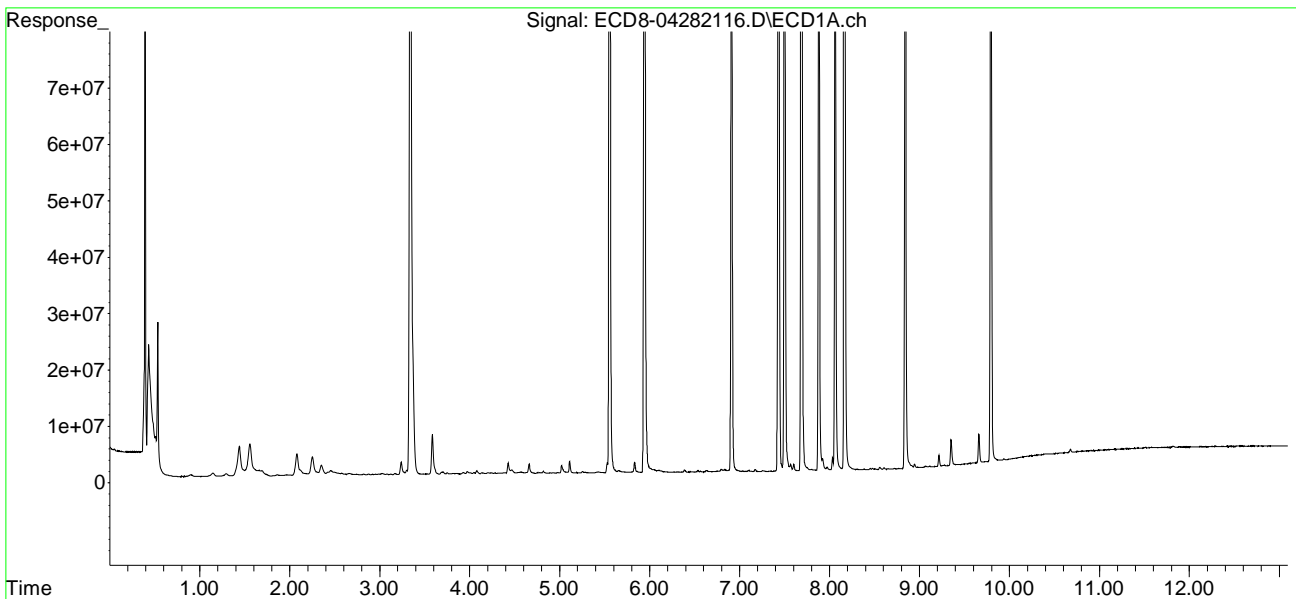
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282116.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:03  
Operator : MJB  
Sample : 1040792-BS2  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:21:13 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:03  
 Operator : MJB  
 Sample : 1040792-BS2  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 11 Sample Multiplier: 1

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Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:21:13 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.557	5.898	213.4E6	229.6E6	66.563	67.441
22) S DCBP (S)	9.792	10.416	145.4E6	140.9E6	74.653	81.199
Target Compounds						
2) a-BHC	6.105	6.489	423855	388351	0.100	0.086
3) g-BHC	6.388	6.805	401885	160169	0.111	0.041 #
4) b-BHC	6.476	6.882	97223	385115	0.062	0.043 #
5) Heptachlor	6.797	7.182	512413	334920	0.149	0.091 #
6) d-BHC	6.631	7.120	298061	165599	0.088	0.036 #
7) Aldrin	7.037	7.444	164732	318190	0.048	0.090 #
8) Heptachlo...	7.500	7.914f	158.5E6	1281646	50.251	0.387 #
9) trans-Chl...	7.601	8.008	1226195	158.6E6	0.381	47.050 #
10) cis-Chlor...	7.687	8.087f	236.0E6	252.2E6	74.877	77.792
11) Endosulfa...	7.801	8.175	316584	713649	0.109	0.237 #
12) 4,4'-DDE	7.782f	8.231	243199	371442	0.071	0.106 #
13) Dieldrin	7.971	8.380	618217	141.5E6	0.195	43.026 #
14) Endrin	8.166f	8.601	252.4E6	174.0E6	97.546	64.733 #
15) 4,4'-DDD	8.166	8.646	252.4E6	268.6E6	93.238	95.078
16) Endosulfa...	8.305	0.000	161728	0	0.064	N.D. #
17) 4,4'-DDT	8.382	8.873	164153	201843	0.067	0.050 #
18) Endrin Al...	8.605	8.984	291502	322062	BelowCal	BelowCal
19) Endosulfa...	8.911	9.176	454640	144605	0.182	0.054 #
20) Methoxychlor	8.719	9.343	99997	86859	0.080	0.066
21) Endrin Ke...	9.112	9.556	137363	156.4E6	0.046	53.964 #
23) Hexachlor...	3.340	3.613	155.1E6	194.9E6	44.611	48.625
24) Hexachlor...	5.942	6.360	204.3E6	233.6E6	62.661	65.050
25) Oxychlorane	7.431	7.811	205.5E6	208.6E6	74.538	70.943
26) 2,4'-DDE	7.500	8.008	158.5E6	158.6E6	70.910	68.236
27) trans-Non...	7.687	8.087	236.0E6	252.2E6	74.260	74.995
28) 2,4'-DDD	7.879	8.380	143.0E6	141.5E6	75.489	70.630
29) 2,4'-DDT	8.062	8.601	166.5E6	174.0E6	82.550	82.699

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:03  
 Operator : MJB  
 Sample : 1040792-BS2  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:21:13 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

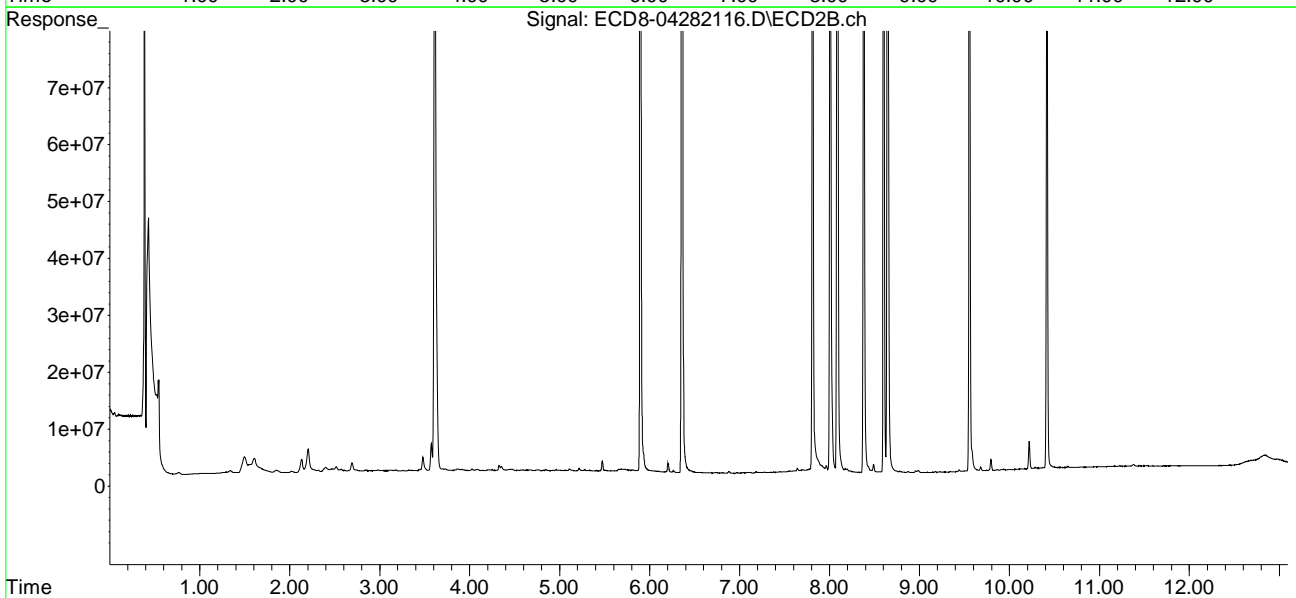
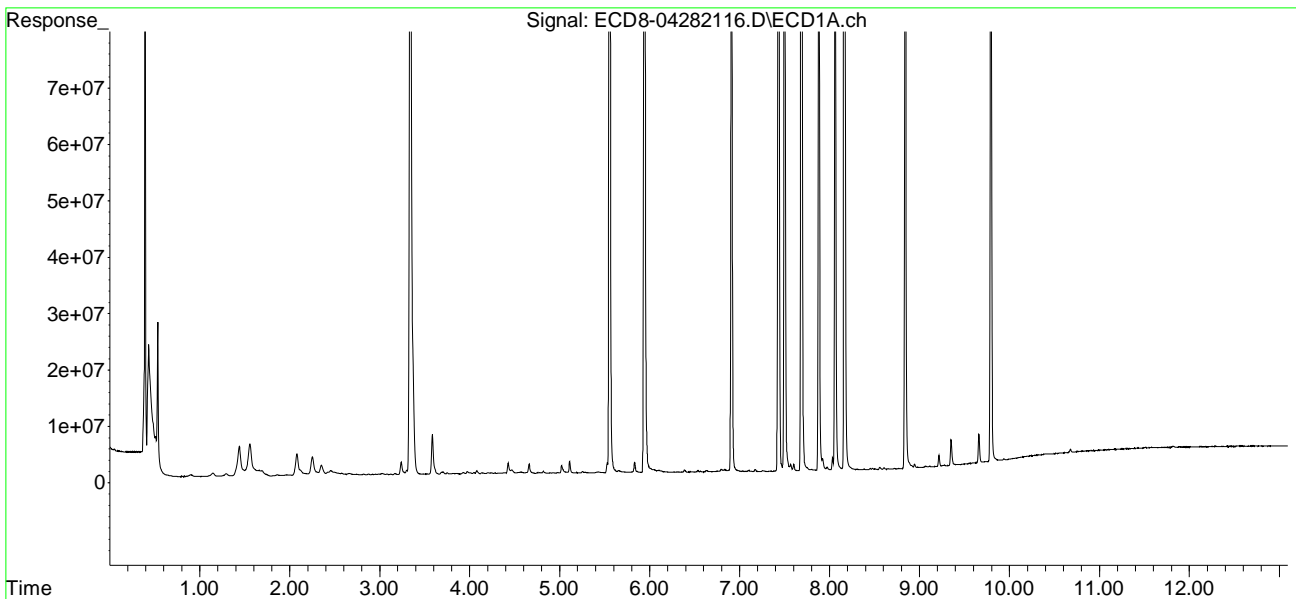
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.166	8.646	252.4E6	268.6E6	75.202	74.848
31)	Mirex	8.841	9.556	145.4E6	156.4E6	73.361	78.433
32)	Chlordane...	7.601	8.008	1226195	158.6E6	3.505	392.987 #
33)	Chlordane...	7.687	0.000	236.0E6	0	678.978	N.D. #
34)	Chlordane...	0.000	8.784	0	227500	N.D.	BelowCal
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.459f	0	470509	N.D.	14.843 #
37)	Toxaphene...	8.032	8.784	2265983	227500	70.362	5.894 #
38)	Toxaphene...	8.382f	8.784f	164153	227500	2.844	3.939 #
39)	Toxaphene...	8.605	8.873	291502	201843	4.621	BelowCal #
40)	Toxaphene...	8.841	9.083	145.4E6	45392	3059.983	BelowCal #
41)	Toxaphene...	8.911	9.441	454640	310404	8.439	5.407 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282116.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:03  
Operator : MJB  
Sample : 1040792-BS2  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:21:13 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282117.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:19  
 Operator : MJB  
 Sample : 1040792-BSD2  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:22:10 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.557	5.899	208.8E6	224.8E6	65.110	66.043
22) S DCBP (S)	9.790	10.415	153.0E6	147.5E6	78.760	84.992
Target Compounds						
2) a-BHC	6.093	0.000	220636	0	0.052	N.D. #
3) g-BHC	6.385	6.805	376815	17596	0.104	0.005 #
4) b-BHC	6.452f	6.882	124916	344257	0.080	0.018 #
5) Heptachlor	6.796	7.181	569047	284741	0.166	0.077 #
6) d-BHC	6.630	7.091f	151097	175077	0.045	0.038
7) Aldrin	7.035	7.441	98539	40944	0.029	0.012 #
8) Heptachlo...	7.497	7.912f	161.3E6	740614	51.142	0.224 #
9) trans-Chl...	7.598	8.006	1114094	169.5E6	0.346	50.274 #
10) cis-Chlor...	7.683	0.000	244.8E6	0	77.660	N.D. #
11) Endosulfa...	7.799	8.172	132273	572653	0.046	0.190 #
12) 4,4'-DDE	7.777f	8.230	204520	181651	0.059	0.052
13) Dieldrin	7.966	8.377	589989	154.2E6	0.186	46.879 #
14) Endrin	8.163	8.599	265.1E6	188.4E6	102.490	69.584 #
15) 4,4'-DDD	8.163f	8.644	265.1E6	288.9E6	97.964	102.245
16) Endosulfa...	8.301	8.779f	96240	220923	0.038	0.083 #
17) 4,4'-DDT	8.379	8.870	159016	169415	0.065	0.036 #
18) Endrin Al...	8.603	8.986	142172	285150	BelowCal	BelowCal
19) Endosulfa...	8.909	9.172	133613	115930	0.053	0.043
20) Methoxychlor	8.716	9.345	67637	126904	0.054	0.096 #
21) Endrin Ke...	9.108	9.553	72826	163.2E6	0.024	56.134 #
23) Hexachlor...	3.340	3.614	140.8E6	173.8E6	40.500	43.347
24) Hexachlor...	5.942	6.361	205.7E6	225.7E6	63.084	62.850
25) Oxychlorane	7.429	7.809	210.2E6	214.5E6	76.243	72.975
26) 2,4'-DDE	7.497	8.006	161.3E6	169.5E6	72.168	72.911
27) trans-Non...	7.683	8.085	244.8E6	259.4E6	77.019	77.139
28) 2,4'-DDD	7.876	8.377	151.3E6	154.2E6	79.834	76.615
29) 2,4'-DDT	8.059	8.599	178.6E6	188.4E6	88.558	89.512

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282117.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:19  
 Operator : MJB  
 Sample : 1040792-BSD2  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:22:10 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

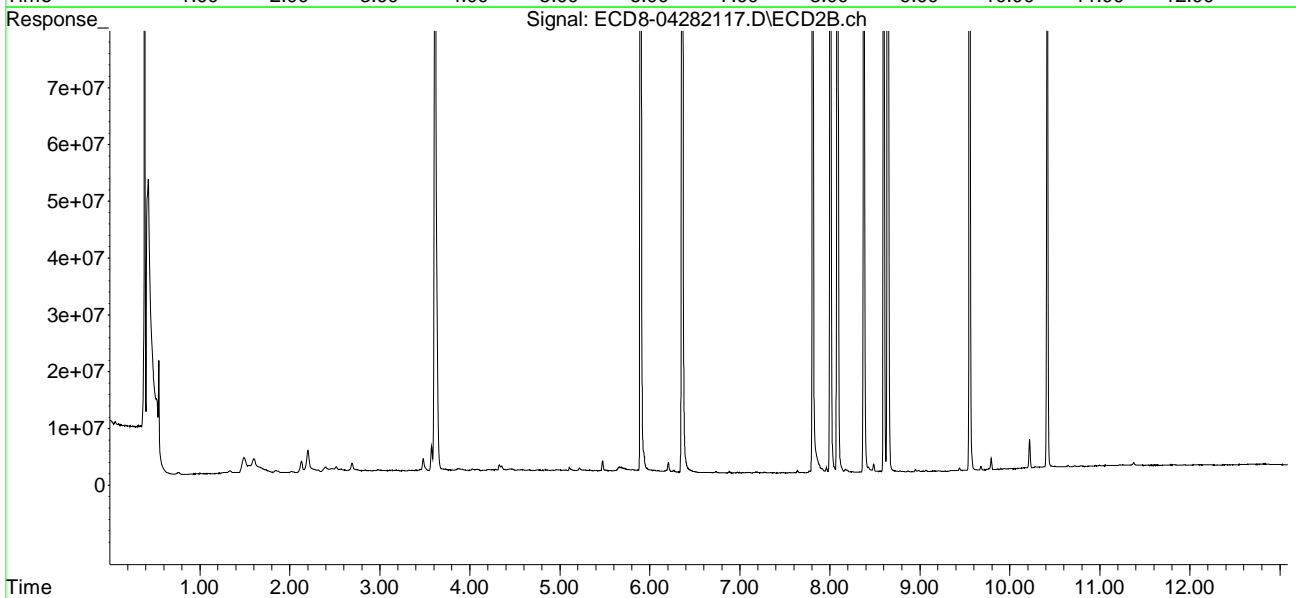
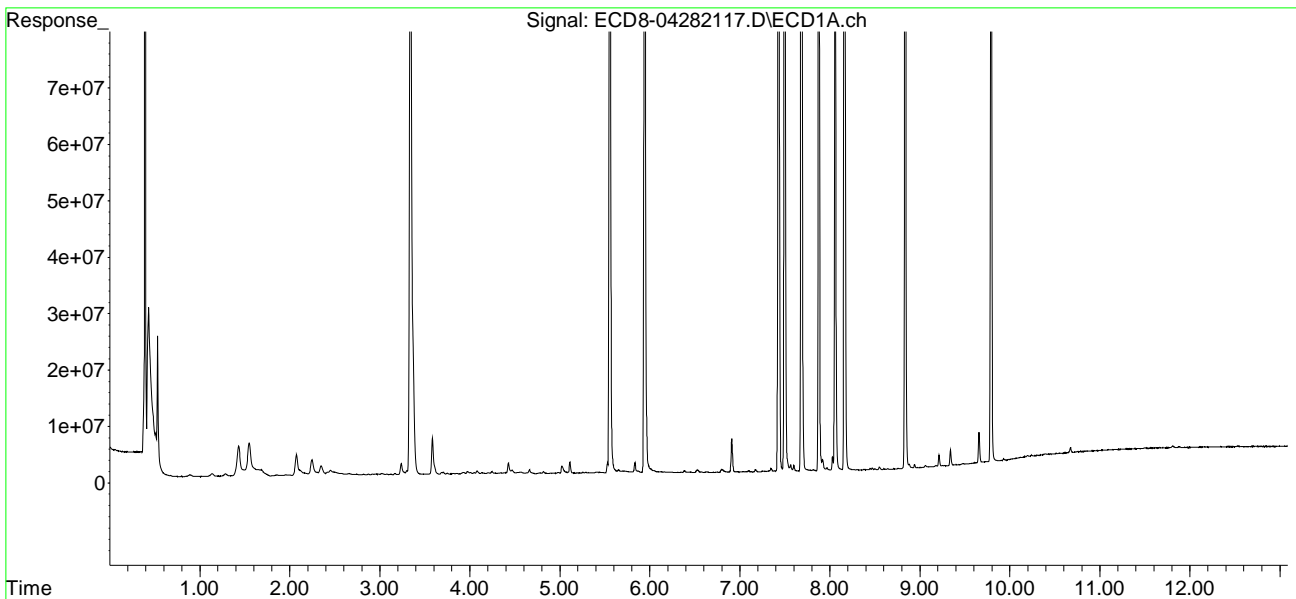
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.163	8.644	265.1E6	288.9E6	79.014	80.490
31)	Mirex	8.836	9.553	159.4E6	163.2E6	80.452	81.641
32)	Chlordane...	7.598	8.006	1114094	169.5E6	3.185	419.916 #
33)	Chlordane...	7.683	0.000	244.8E6	0	704.209	N.D. #
34)	Chlordane...	8.301f	8.779	96240	220923	0.912	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.430	0	892787	N.D.	28.165 #
37)	Toxaphene...	8.029	8.779	2454962	220923	76.314	5.724 #
38)	Toxaphene...	8.340	8.817	27765	98399	0.481	1.704 #
39)	Toxaphene...	8.603	8.870	142172	169415	2.254	BelowCal #
40)	Toxaphene...	8.836	9.065	159.4E6	270492	3353.944	1.126 #
41)	Toxaphene...	8.909	9.438	133613	506215	2.480	8.818 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282117.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:19  
Operator : MJB  
Sample : 1040792-BSD2  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:22:10 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282117.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:19  
 Operator : MJB  
 Sample : 1040792-BSD2  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 12 Sample Multiplier: 1

Q-19

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:22:10 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.557	5.899	208.8E6	224.8E6	65.110	66.043
22) S DCBP (S)	9.790	10.415	153.0E6	147.5E6	78.760	84.992
Target Compounds						
2) a-BHC	6.093	0.000	220636	0	0.052	N.D. #
3) g-BHC	6.385	6.805	376815	17596	0.104	0.005 #
4) b-BHC	6.452f	6.882	124916	344257	0.080	0.018 #
5) Heptachlor	6.796	7.181	569047	284741	0.166	0.077 #
6) d-BHC	6.630	7.091f	151097	175077	0.045	0.038
7) Aldrin	7.035	7.441	98539	40944	0.029	0.012 #
8) Heptachlo...	7.497	7.912f	161.3E6	740614	51.142	0.224 #
9) trans-Chl...	7.598	8.006	1114094	169.5E6	0.346	50.274 #
10) cis-Chlor...	7.683	0.000	244.8E6	0	77.660	N.D. #
11) Endosulfa...	7.799	8.172	132273	572653	0.046	0.190 #
12) 4,4'-DDE	7.777f	8.230	204520	181651	0.059	0.052
13) Dieldrin	7.966	8.377	589989	154.2E6	0.186	46.879 #
14) Endrin	8.163	8.599	265.1E6	188.4E6	102.490	69.584 #
15) 4,4'-DDD	8.163f	8.644	265.1E6	288.9E6	97.964	102.245
16) Endosulfa...	8.301	8.779f	96240	220923	0.038	0.083 #
17) 4,4'-DDT	8.379	8.870	159016	169415	0.065	0.036 #
18) Endrin Al...	8.603	8.986	142172	285150	BelowCal	BelowCal
19) Endosulfa...	8.909	9.172	133613	115930	0.053	0.043
20) Methoxychlor	8.716	9.345	67637	126904	0.054	0.096 #
21) Endrin Ke...	9.108	9.553	72826	163.2E6	0.024	56.134 #
23) Hexachlor...	3.340	3.614	140.8E6	173.8E6	40.500	43.347
24) Hexachlor...	5.942	6.361	205.7E6	225.7E6	63.084	62.850
25) Oxychlorane	7.429	7.809	210.2E6	214.5E6	76.243	72.975
26) 2,4'-DDE	7.497	8.006	161.3E6	169.5E6	72.168	72.911
27) trans-Non...	7.683	8.085	244.8E6	259.4E6	77.019	77.139
28) 2,4'-DDD	7.876	8.377	151.3E6	154.2E6	79.834	76.615
29) 2,4'-DDT	8.059	8.599	178.6E6	188.4E6	88.558	89.512



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282117.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:19  
 Operator : MJB  
 Sample : 1040792-BSD2  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:22:10 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

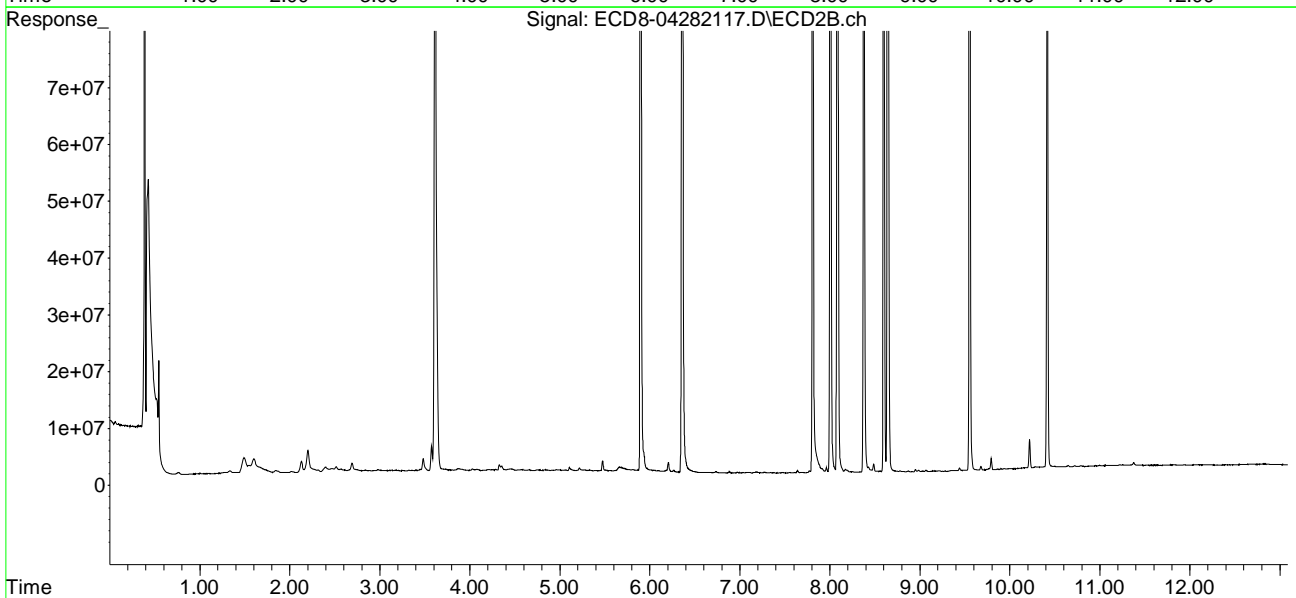
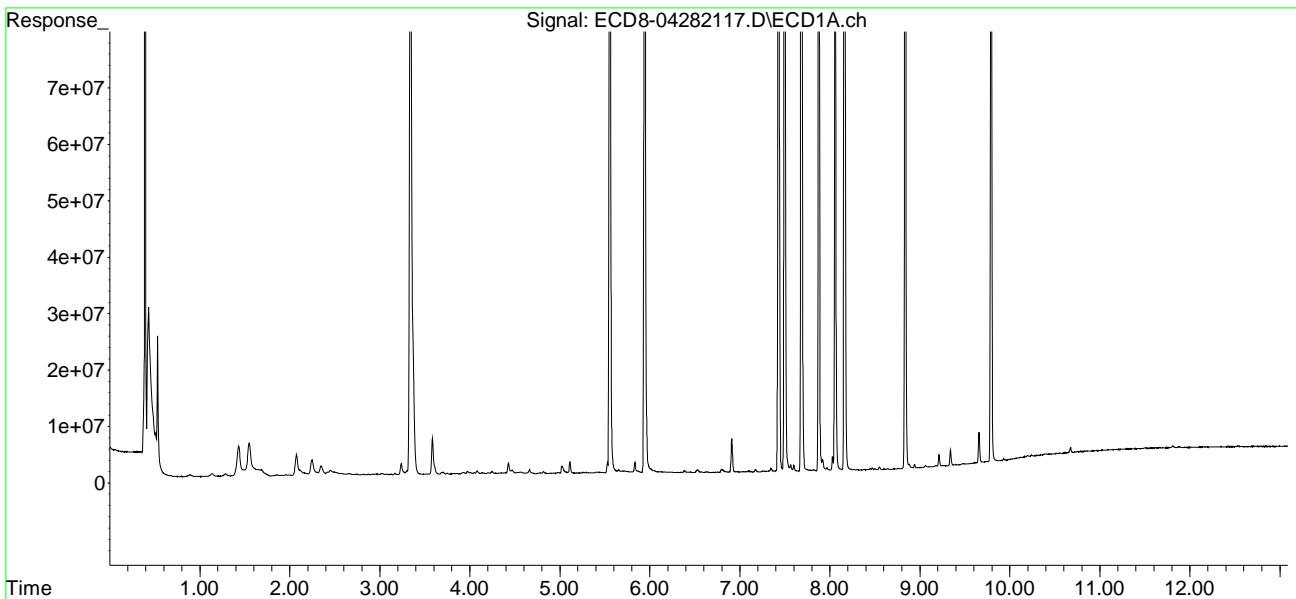
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.163	8.644	265.1E6	288.9E6	79.014	80.490
31)	Mirex	8.836	9.553	159.4E6	163.2E6	80.452	81.641
32)	Chlordane...	7.598	8.006	1114094	169.5E6	3.185	419.916 #
33)	Chlordane...	7.683	0.000	244.8E6	0	704.209	N.D. #
34)	Chlordane...	8.301f	8.779	96240	220923	0.912	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	0.000	8.430	0	892787	N.D.	28.165 #
37)	Toxaphene...	8.029	8.779	2454962	220923	76.314	5.724 #
38)	Toxaphene...	8.340	8.817	27765	98399	0.481	1.704 #
39)	Toxaphene...	8.603	8.870	142172	169415	2.254	BelowCal #
40)	Toxaphene...	8.836	9.065	159.4E6	270492	3353.944	1.126 #
41)	Toxaphene...	8.909	9.438	133613	506215	2.480	8.818 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282117.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:19  
Operator : MJB  
Sample : 1040792-BSD2  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:22:10 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282118.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:35  
 Operator : MJB  
 Sample : A1D0625-01  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:23:11 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.557	5.898	211.5E6	226.8E6	65.957	66.618
22) S DCBP (S)	9.790	10.415	145.5E6	144.4E6	74.710	83.209
Target Compounds						
2) a-BHC	6.104	0.000	1963865	0	0.462	N.D. #
3) g-BHC	6.378	6.789	2046667	1047326	0.564	0.268 #
4) b-BHC	6.478	6.869	2657538	4222898	1.699	2.424 #
5) Heptachlor	6.795	7.194	1041087	555568	0.304	0.151 #
6) d-BHC	6.617	7.121	567337	653324	0.168	0.171
7) Aldrin	7.030	7.445	1103010	341023	0.321	0.097 #
8) Heptachlo...	7.513	7.869	504066	335777	0.160	0.101 #
9) trans-Chl...	7.600	8.024	921866	425471	0.286	0.126 #
10) cis-Chlor...	7.685	8.120	440850	193380	0.140	0.060 #
11) Endosulfa...	7.823f	8.188	356062	642919	0.123	0.214 #
12) 4,4'-DDE	7.764	8.226	98644	136546	0.029	0.039 #
13) Dieldrin	7.976	8.371	198127	149743	0.062	0.046 #
14) Endrin	8.141	8.599	102057	59199	0.039	0.027 #
15) 4,4'-DDD	8.182	8.645	393300	94703	0.145	0.034 #
16) Endosulfa...	8.311	8.744	617247	39110	0.245	0.015 #
17) 4,4'-DDT	8.387	8.871	153832	43314	0.063	BelowCal #
18) Endrin Al...	8.605	8.953f	88155	1092333	BelowCal	0.064
19) Endosulfa...	8.916	9.174	55320	52594	0.022	0.020
20) Methoxychlor	8.719	9.341	70927	69575	0.057	0.053
21) Endrin Ke...	9.116	9.581	50946	1533452	0.017	0.254 #
23) Hexachlor...	3.340	3.613	5450788	7354502	1.568	1.834
24) Hexachlor...	5.937	6.352	3261081	5448445	1.000	1.517 #
25) Oxychlorane	7.432	7.794	355516	1331167	0.129	0.453 #
26) 2,4'-DDE	7.488	8.024	367729	425471	0.165	0.183
27) trans-Non...	7.685	8.098	440850	293699	0.139	0.087 #
28) 2,4'-DDD	7.887	8.376	372328	148951	0.196	BelowCal #
29) 2,4'-DDT	8.053	8.599	1992329	59199	0.988	0.028 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282118.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:35  
 Operator : MJB  
 Sample : A1D0625-01  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:23:11 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

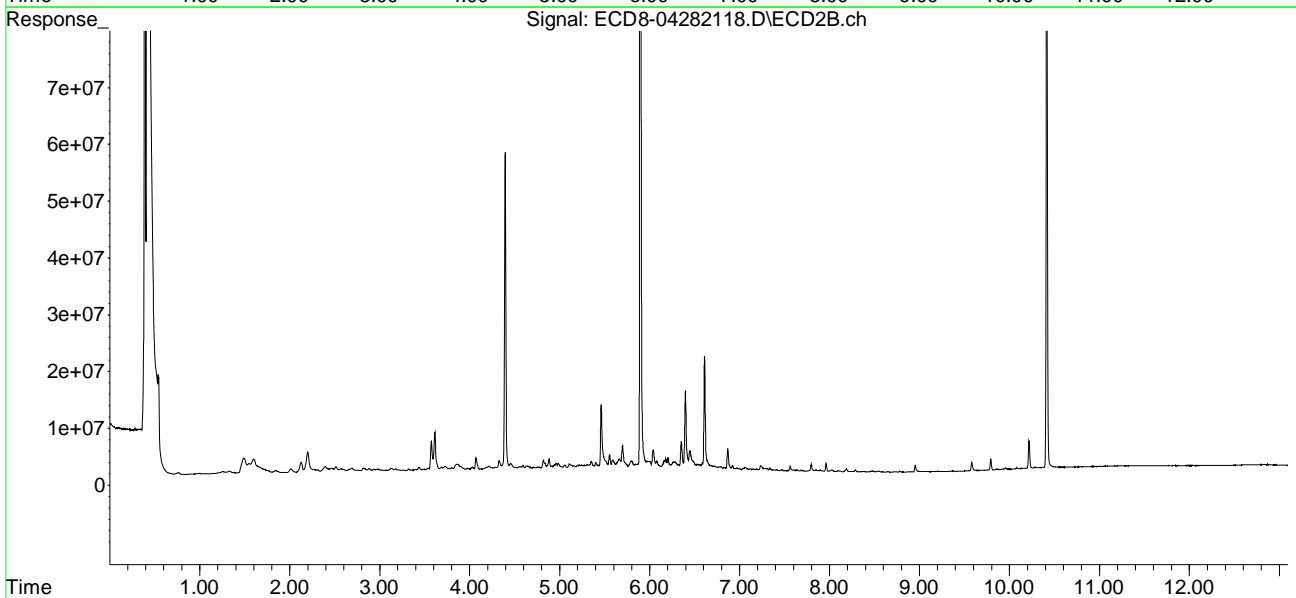
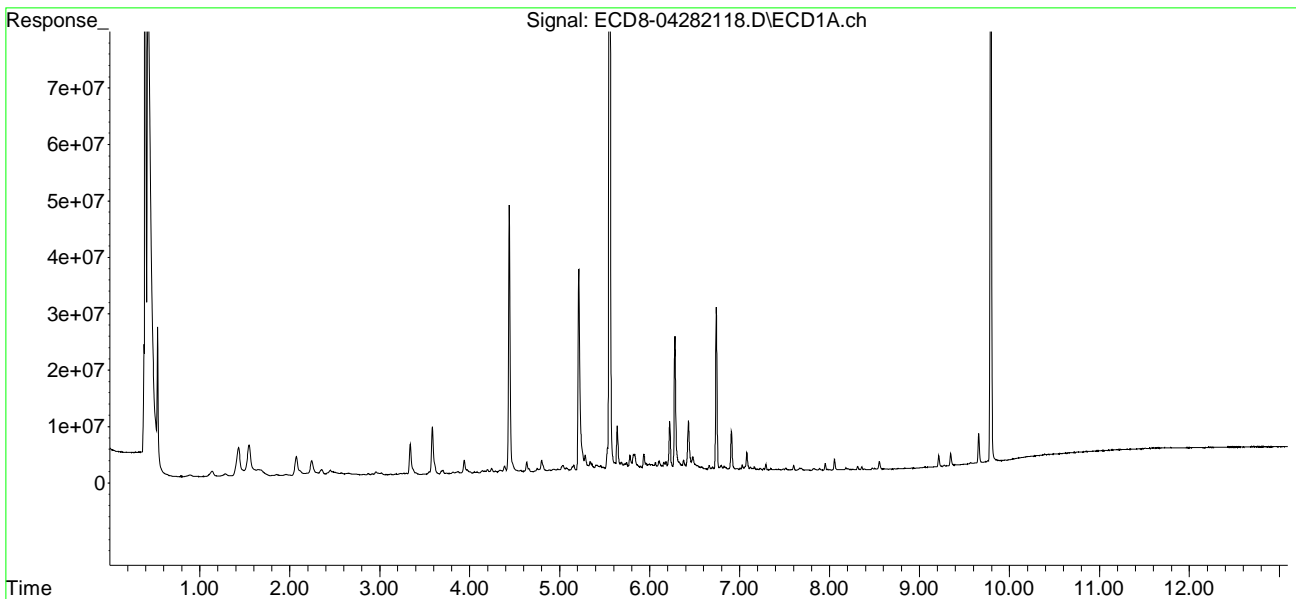
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.141	8.645	102057	94703	0.030	0.026
31)	Mirex	8.840	9.531f	86036	43023	21703.360	BelowCal #
32)	Chlordane...	7.600	8.024	921866	425471	2.635	1.054 #
33)	Chlordane...	7.685	8.120	440850	193380	1.268	0.573 #
34)	Chlordane...	8.260	8.781	137146	136829	1.300	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.738	8.441	103681	96101	6.103	3.032 #
37)	Toxaphene...	8.053f	8.781	1992329	136829	61.752	3.545 #
38)	Toxaphene...	8.358	8.816	498156	21641	8.630	0.375 #
39)	Toxaphene...	8.605	8.881	88155	28149	1.397	BelowCal #
40)	Toxaphene...	8.840	9.057	86036	43537	1.811	BelowCal #
41)	Toxaphene...	8.916f	9.423	55320	34924	1.027	0.608 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282118.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:35  
Operator : MJB  
Sample : A1D0625-01  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 13 Sample Multiplier: 1

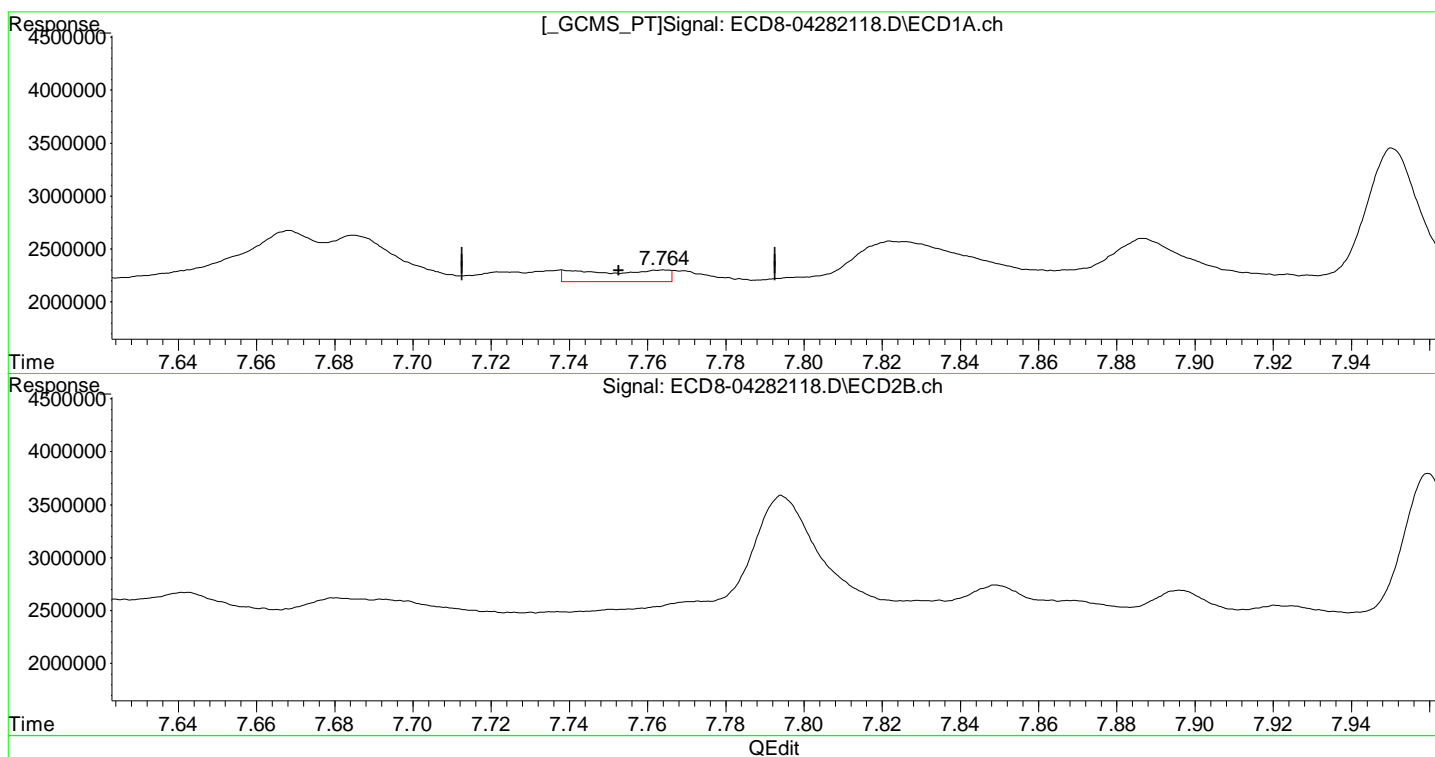
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:23:11 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282118.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:35  
Operator : MJB  
Sample : A1D0625-01  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:23:11 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(12) 4,4'-DDE  
7.764min 0.032 ng/mL m  
response 109584

(12) 4,4'-DDE #2  
8.226min 0.039 ng/mL  
response 136546

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282118.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:35  
 Operator : MJB  
 Sample : A1D0625-01  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 13 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:23:11 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.557	5.898	211.5E6	226.8E6	65.957	66.618
22) S DCBP (S)	9.790	10.415	145.5E6	144.4E6	74.710	83.209
Target Compounds						
2) a-BHC	6.104	0.000	1963865	0	0.462	N.D. #
3) g-BHC	6.378	6.789	2046667	1047326	0.564	0.268 #
4) b-BHC	6.478	6.869	2657538	4222898	1.699	2.424 #
5) Heptachlor	6.795	7.194	1041087	555568	0.304	0.151 #
6) d-BHC	6.617	7.121	567337	653324	0.168	0.171
7) Aldrin	7.030	7.445	1103010	341023	0.321	0.097 #
8) Heptachlo...	7.513	7.869	504066	335777	0.160	0.101 #
9) trans-Chl...	7.600	8.024	921866	425471	0.286	0.126 #
10) cis-Chlor...	7.685	8.120	440850	193380	0.140	0.060 #
11) Endosulfa...	7.823f	8.188	356062	642919	0.123	0.214 #
12) 4,4'-DDE	7.764	8.226	109584	136546	0.032m	0.039
13) Dieldrin	7.976	8.371	198127	149743	0.062	0.046 #
14) Endrin	8.141	8.599	102057	59199	0.039	0.027 #
15) 4,4'-DDD	8.182	8.645	393300	94703	0.145	0.034 #
16) Endosulfa...	8.311	8.744	617247	39110	0.245	0.015 #
17) 4,4'-DDT	8.387	8.871	153832	43314	0.063	BelowCal #
18) Endrin Al...	8.605	8.953f	88155	1092333	BelowCal	0.064
19) Endosulfa...	8.916	9.174	55320	52594	0.022	0.020
20) Methoxychlor	8.719	9.341	70927	69575	0.057	0.053
21) Endrin Ke...	9.116	9.581	50946	1533452	0.017	0.254 #
23) Hexachlor...	3.340	3.613	5450788	7354502	1.568	1.834
24) Hexachlor...	5.937	6.352	3261081	5448445	1.000	1.517 #
25) Oxychlorane	7.432	7.794	355516	1331167	0.129	0.453 #
26) 2,4'-DDE	7.488	8.024	367729	425471	0.165	0.183
27) trans-Non...	7.685	8.098	440850	293699	0.139	0.087 #
28) 2,4'-DDD	7.887	8.376	372328	148951	0.196	BelowCal #
29) 2,4'-DDT	8.053	8.599	1992329	59199	0.988	0.028 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282118.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:35  
 Operator : MJB  
 Sample : A1D0625-01  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:23:11 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.141	8.645	102057	94703	0.030	0.026
31)	Mirex	8.840	9.531f	86036	43023	21703.360	BelowCal #
32)	Chlordane...	7.600	8.024	921866	425471	2.635	1.054 #
33)	Chlordane...	7.685	8.120	440850	193380	1.268	0.573 #
34)	Chlordane...	8.260	8.781	137146	136829	1.300	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.738	8.441	103681	96101	6.103	3.032 #
37)	Toxaphene...	8.053f	8.781	1992329	136829	61.752	3.545 #
38)	Toxaphene...	8.358	8.816	498156	21641	8.630	0.375 #
39)	Toxaphene...	8.605	8.881	88155	28149	1.397	BelowCal #
40)	Toxaphene...	8.840	9.057	86036	43537	1.811	BelowCal #
41)	Toxaphene...	8.916f	9.423	55320	34924	1.027	0.608 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

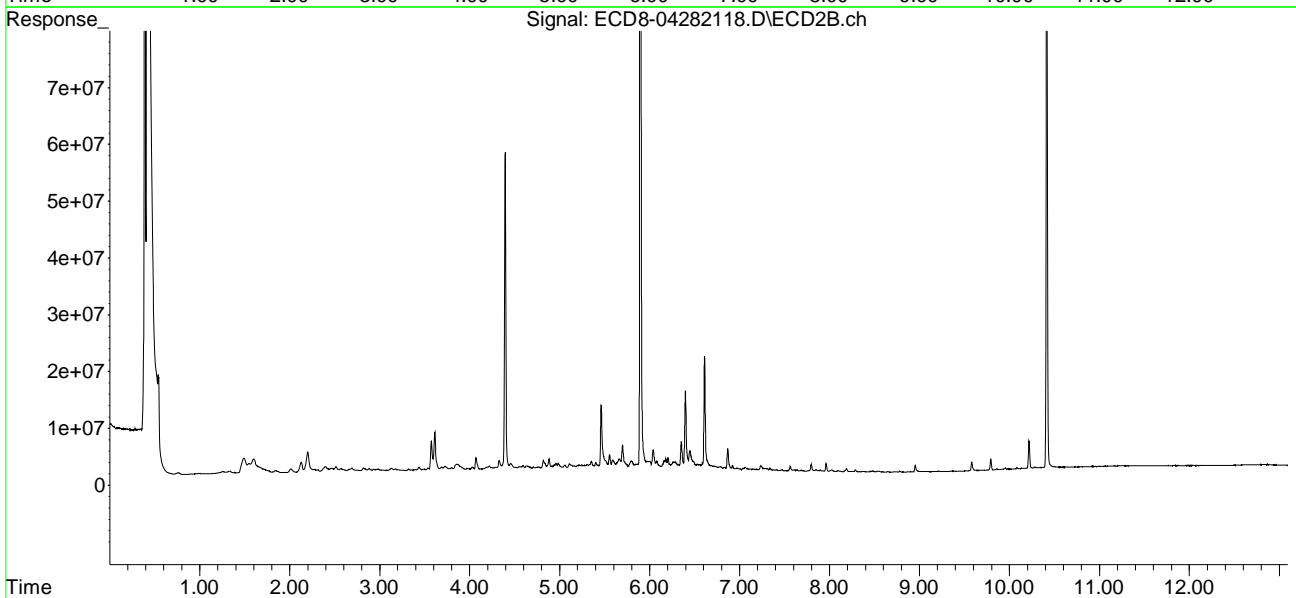
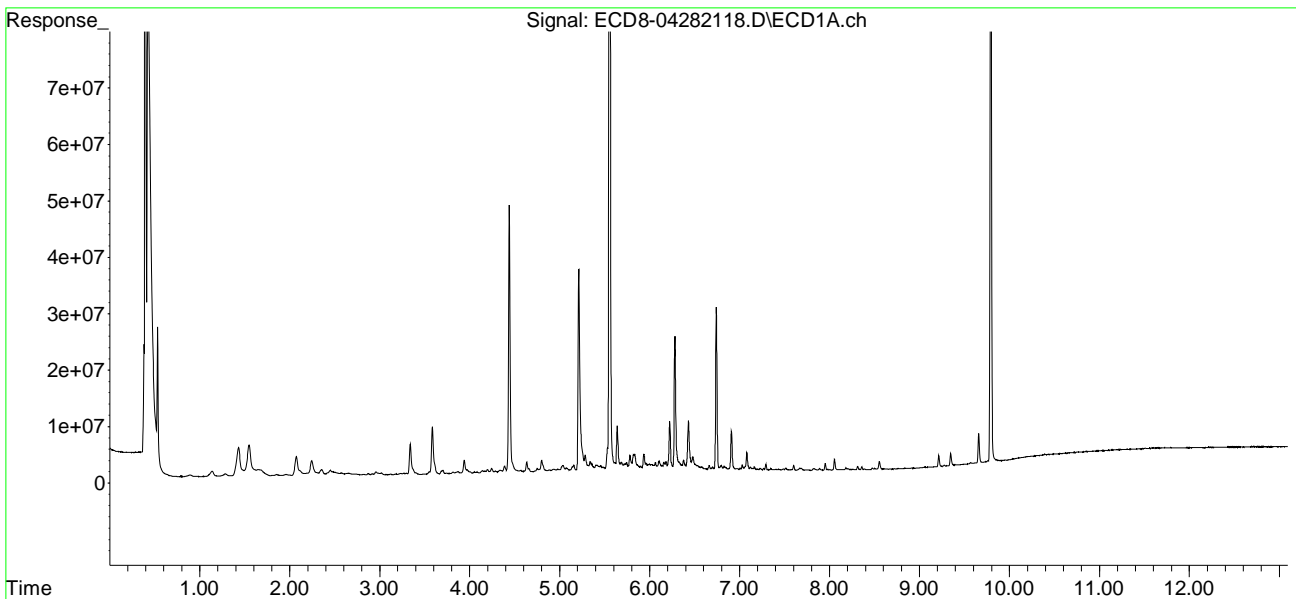
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282118.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:35  
Operator : MJB  
Sample : A1D0625-01  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:23:11 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:55  
 Operator : MJB  
 Sample : A1D0625-02  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:24:54 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.559	5.897	195.2E6	219.8E6	60.881	64.578
22) S DCBP (S)	9.794	10.416	141.6E6	146.1E6	72.598	84.227
Target Compounds						
2) a-BHC	6.108	0.000	2068860	0	0.486	N.D. #
3) g-BHC	6.381	6.787	2022992	5644596	0.557	1.445 #
4) b-BHC	6.480	6.869	2895900	9686319	1.852	5.797 #
5) Heptachlor	6.797	7.179	1113607	5458589	0.325	1.480 #
6) d-BHC	6.619	7.122	638130	5524906	0.189	1.516 #
7) Aldrin	7.034	7.448	1168930	5441199	0.340	1.547 #
8) Heptachlo...	7.516	7.897	512376	5892296	0.162	1.781 #
9) trans-Chl...	7.603	8.021	929918	5867067	0.289	1.740 #
10) cis-Chlor...	7.689	8.119	391844	5807210	0.124	1.791 #
11) Endosulfa...	7.823f	8.172	914957	6268843	0.316	2.083 #
12) 4,4'-DDE	7.744	8.246	115496	5875988	0.034	1.672 #
13) Dieldrin	7.978	8.372	246226	5981561	0.078	1.819 #
14) Endrin	8.144	8.599	123980	6006557	0.048	2.454 #
15) 4,4'-DDD	8.186	8.647	536230	6099297	0.198	2.159 #
16) Endosulfa...	8.315	8.719f	666687	6128271	0.265	2.295 #
17) 4,4'-DDT	8.390	8.873	191676	6242867	0.078	2.633 #
18) Endrin Al...	8.608	8.975	108047	6663977	BelowCal	2.388
19) Endosulfa...	8.918	9.176	67759	6487893	0.027	2.431 #
20) Methoxychlor	8.725	9.347	59627	6643448	0.048	5.049 #
21) Endrin Ke...	9.122	9.582	83342	10544786	0.028	3.622 #
23) Hexachlor...	3.344	3.610	4424593	8312942	1.273	2.073 #
24) Hexachlor...	5.939	6.352	3444649	9694950	1.057	2.700 #
25) Oxychlorane	7.435	7.795	320465	6700684	0.116	2.279 #
26) 2,4'-DDE	7.491	8.021	412630	5867067	0.185	2.524 #
27) trans-Non...	7.689	8.100	391844	5882542	0.123	1.749 #
28) 2,4'-DDD	7.890	8.372	429177	5981561	0.226	3.013 #
29) 2,4'-DDT	8.056	8.599	2055469	6006557	1.019	2.855 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:55  
 Operator : MJB  
 Sample : A1D0625-02  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:24:54 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

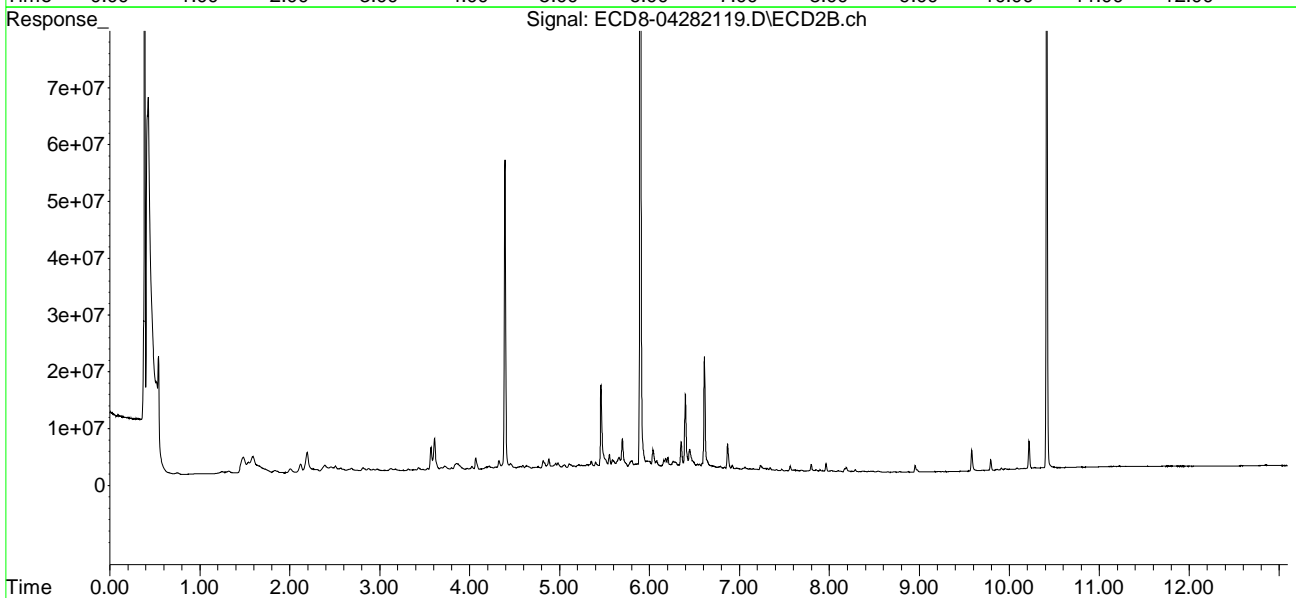
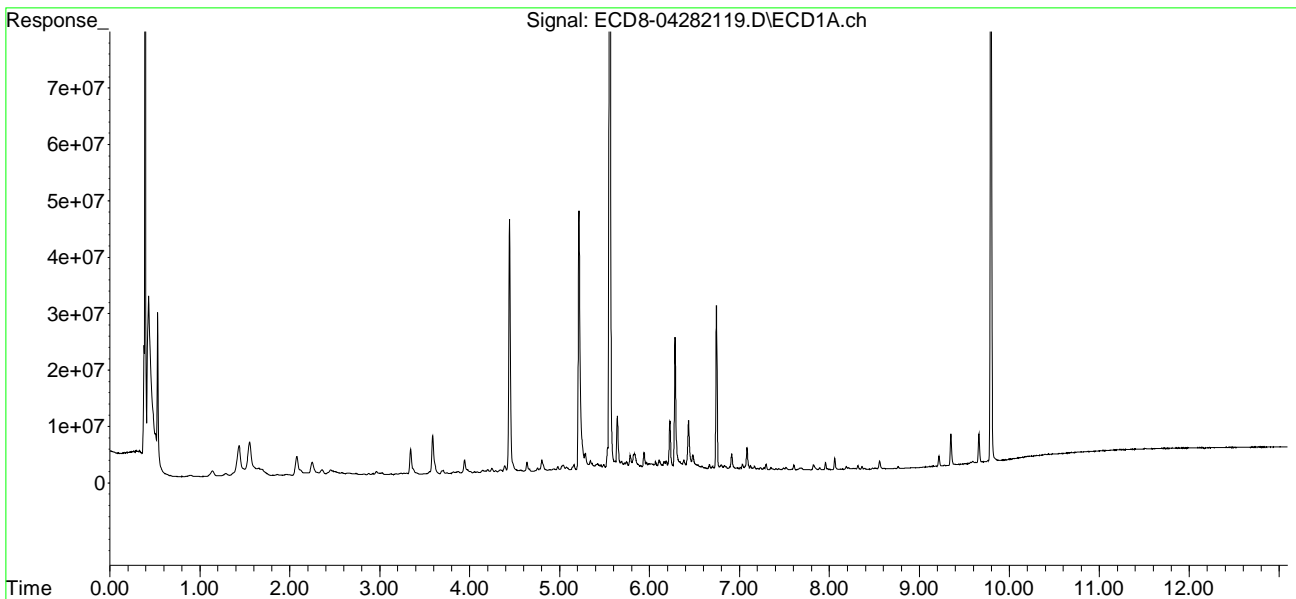
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.144	8.647	123980	6099297	0.037	1.699 #
31)	Mirex	8.845	9.543	56868	6860443	21703.374	3.231 #
32)	Chlordane...	7.603	8.021	929918	5867067	2.658	14.537 #
33)	Chlordane...	7.689	8.119	391844	5807210	1.127	17.213 #
34)	Chlordane...	8.264	8.783	228933	6248861	2.170	53.057 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.744	8.434	115496	6014838	6.905	189.753 #
37)	Toxaphene...	8.056f	8.783	2055469	6248861	63.738	161.903 #
38)	Toxaphene...	8.362	8.823	511595	6156043	8.863	106.585 #
39)	Toxaphene...	8.608	8.873	108047	6242867	1.713	66.973 #
40)	Toxaphene...	8.845	9.077	56868	6408283	1.197	115.798 #
41)	Toxaphene...	8.892	9.462f	33769	6770302	0.627	117.936 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:55  
Operator : MJB  
Sample : A1D0625-02  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 14 Sample Multiplier: 1

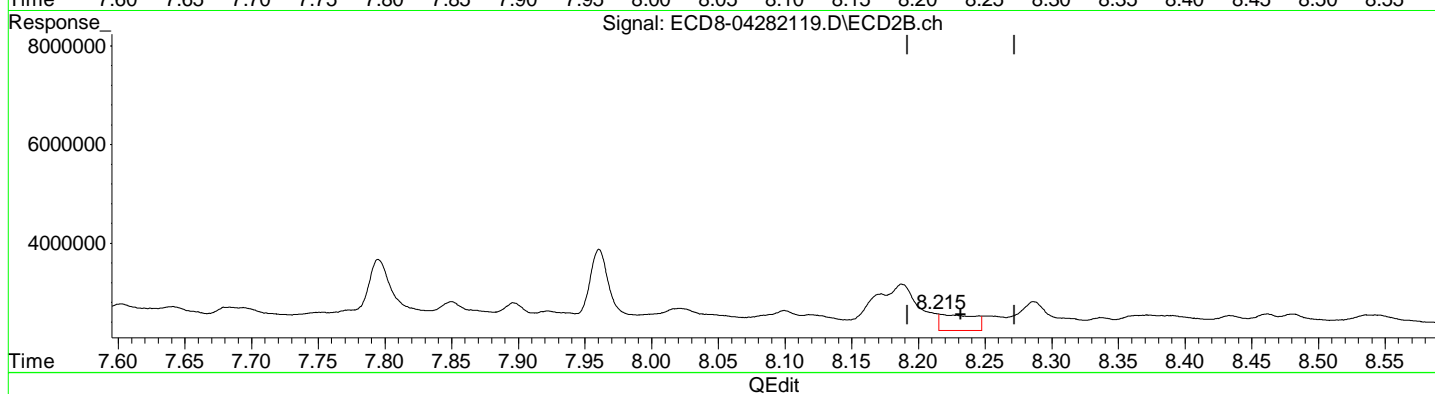
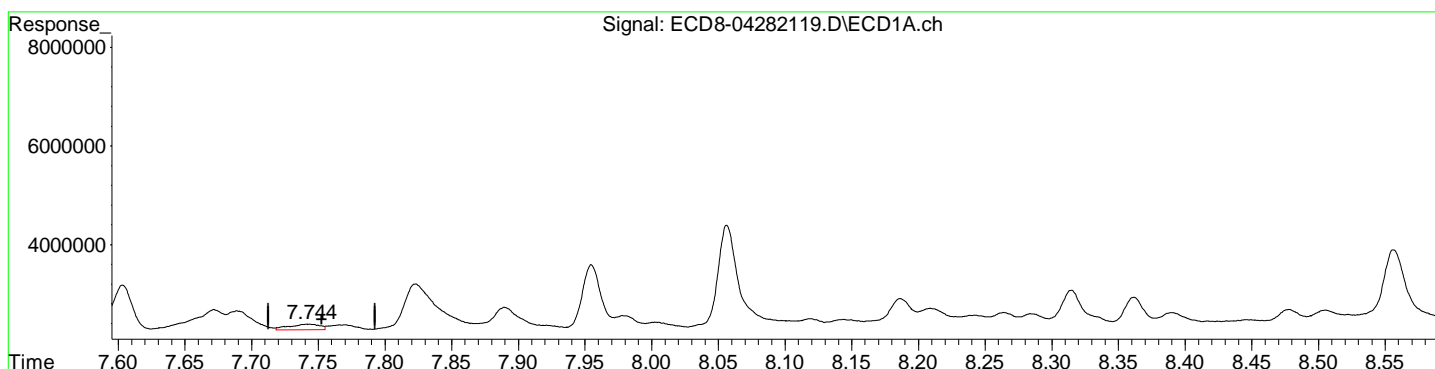
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:24:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:55  
Operator : MJB  
Sample : A1D0625-02  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:24:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



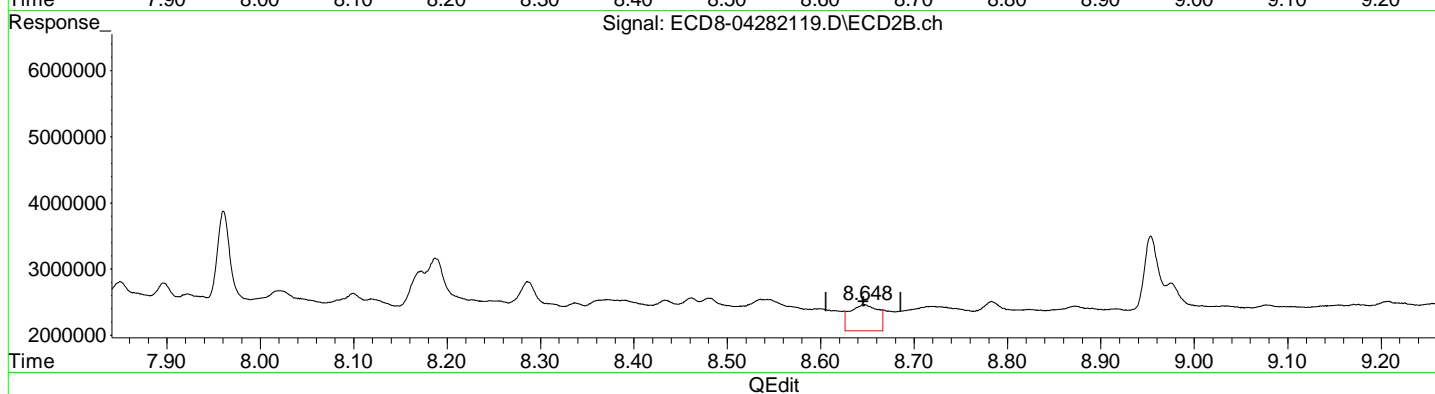
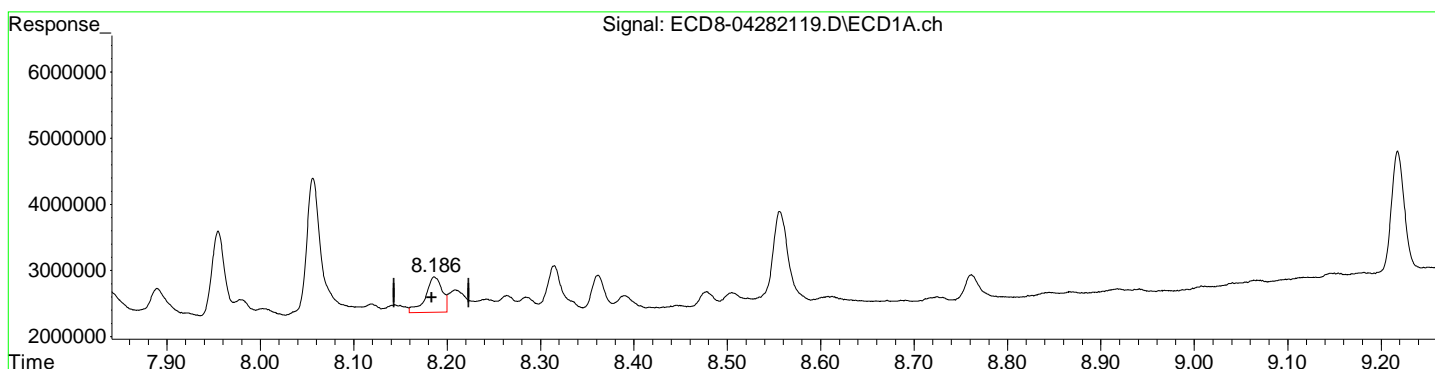
(12) 4,4'-DDE  
7.744min 0.034 ng/mL  
response 115496

(12) 4,4'-DDE #2  
8.215min 0.096 ng/mL m  
response 338173

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:55  
Operator : MJB  
Sample : A1D0625-02  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:24:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



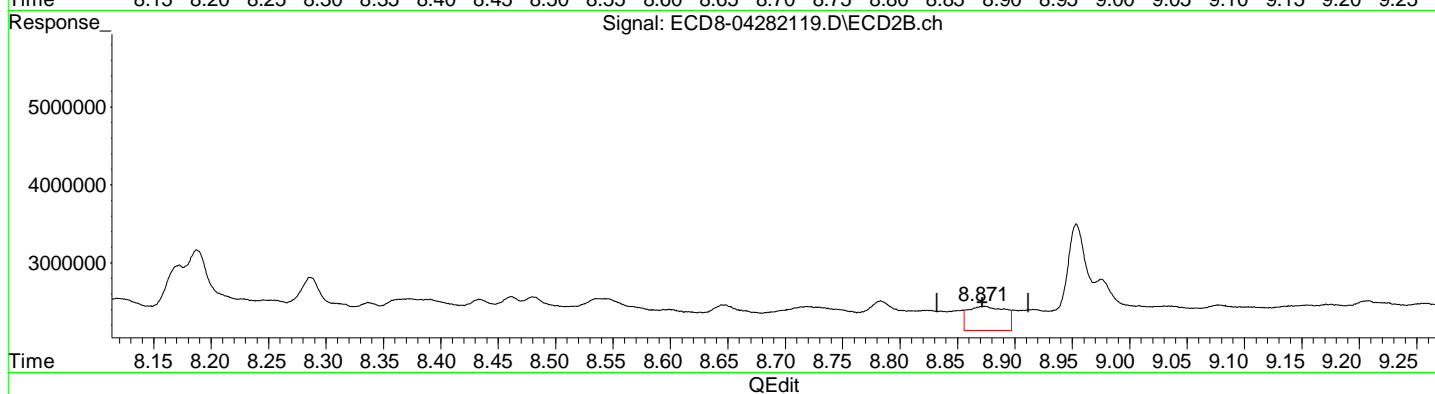
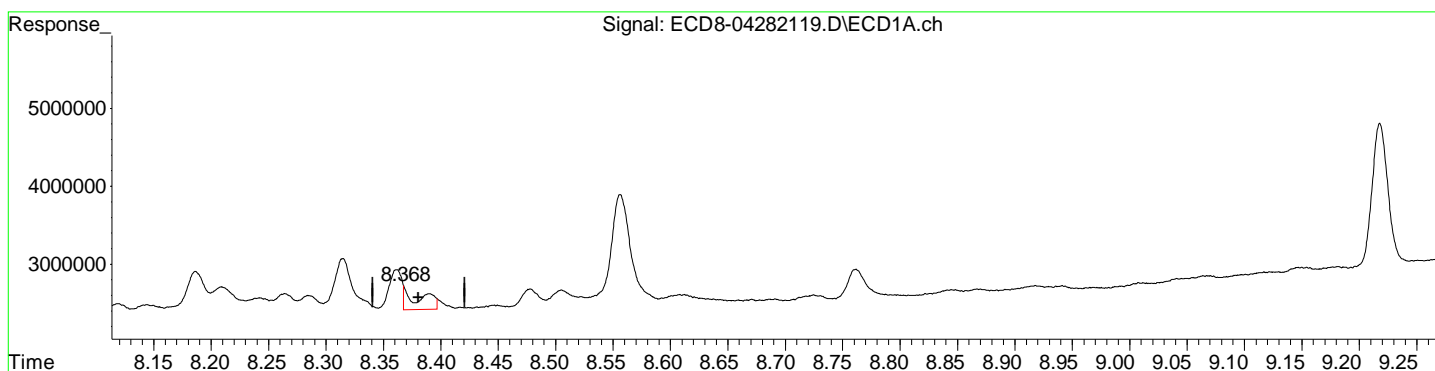
(15) 4,4'-DDD  
8.186min 0.198 ng/mL  
response 536230

(15) 4,4'-DDD #2  
8.648min 0.139 ng/mL m  
response 393864

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:55  
Operator : MJB  
Sample : A1D0625-02  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:24:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



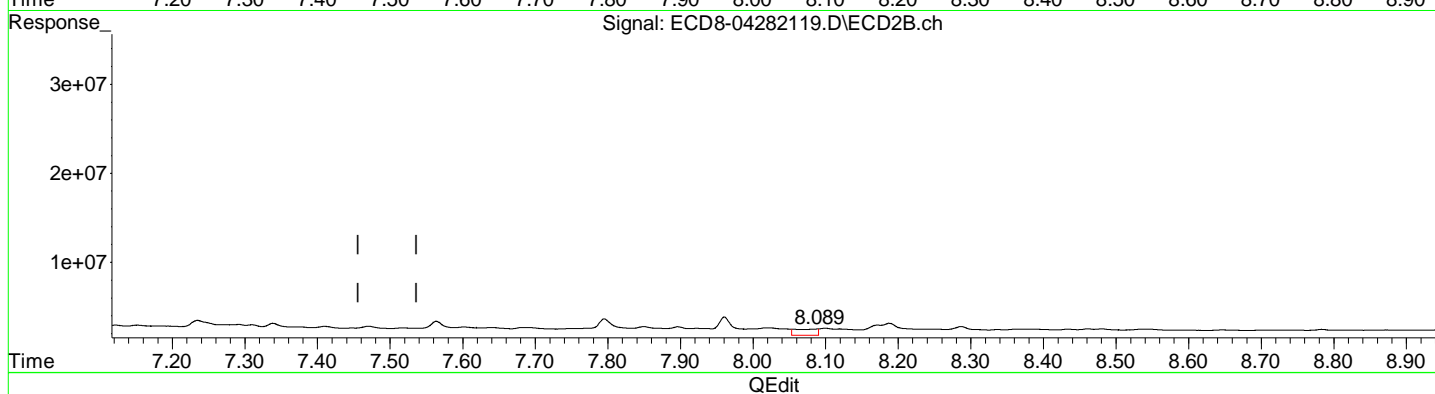
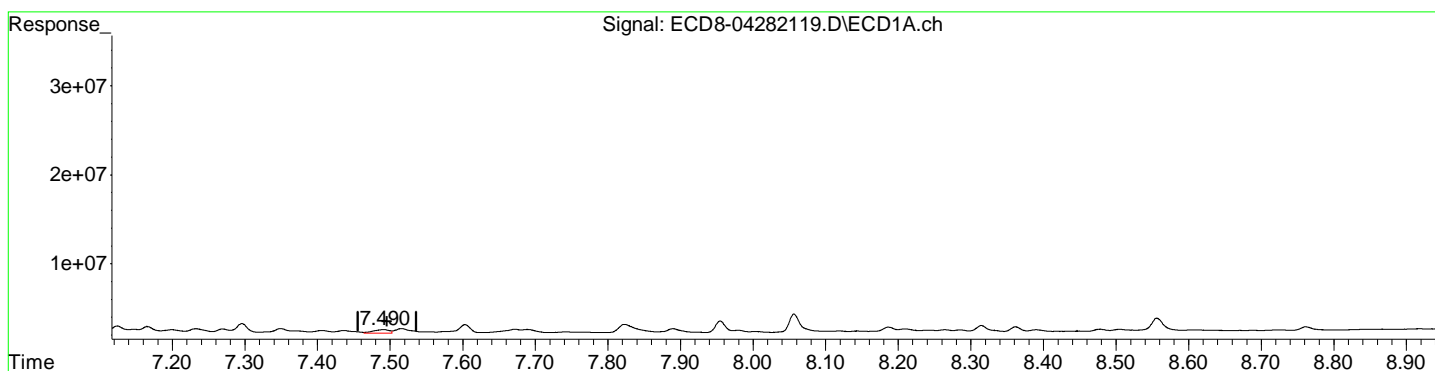
(17) 4,4'-DDT  
8.368min 0.128 ng/mL m  
response 314005

(17) 4,4'-DDT #2  
8.871min 0.099 ng/mL m  
response 317126

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:55  
Operator : MJB  
Sample : A1D0625-02  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:24:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(26) 2,4'-DDE  
7.491min 0.185 ng/mL  
response 412630

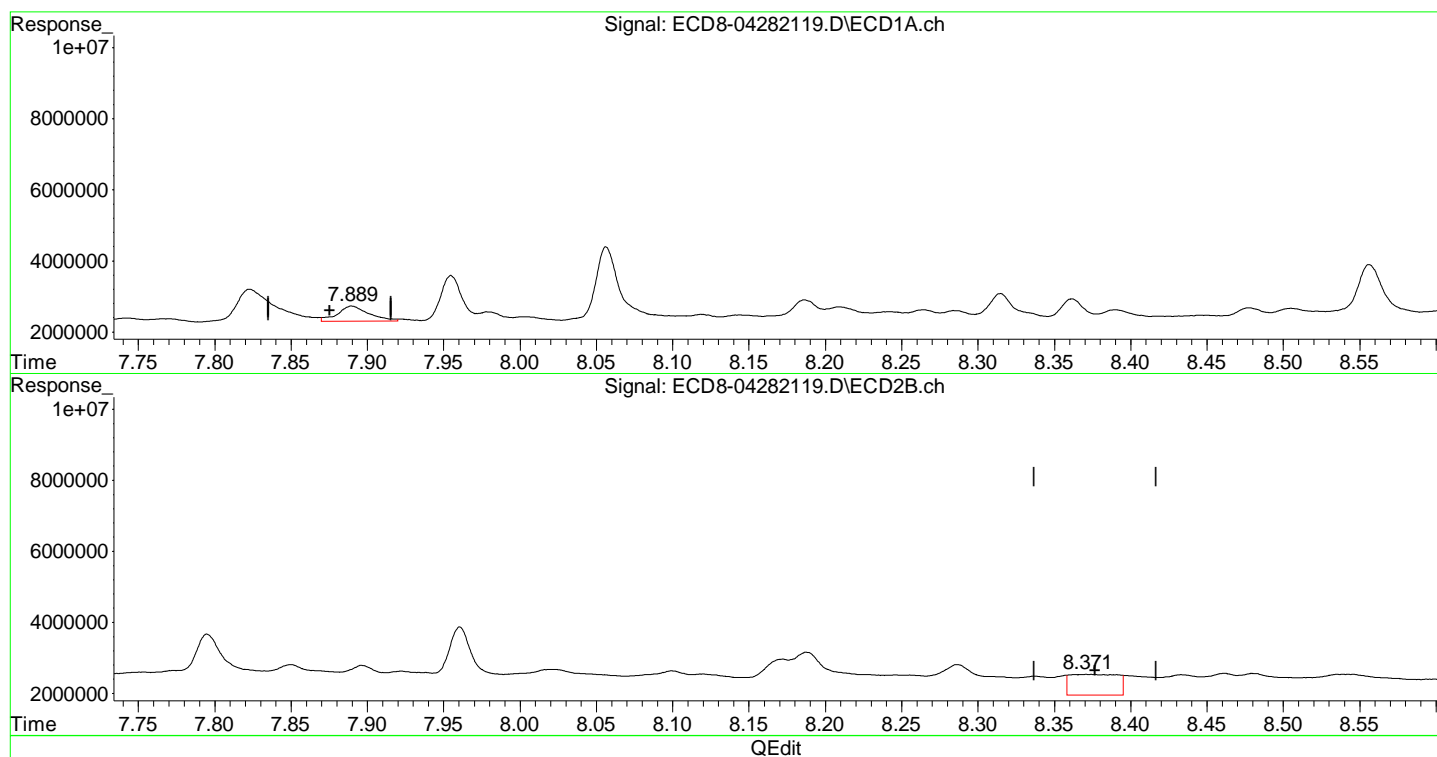
(26) 2,4'-DDE #2  
8.089min 0.314 ng/mL m  
response 729985



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:55  
Operator : MJB  
Sample : A1D0625-02  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:24:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



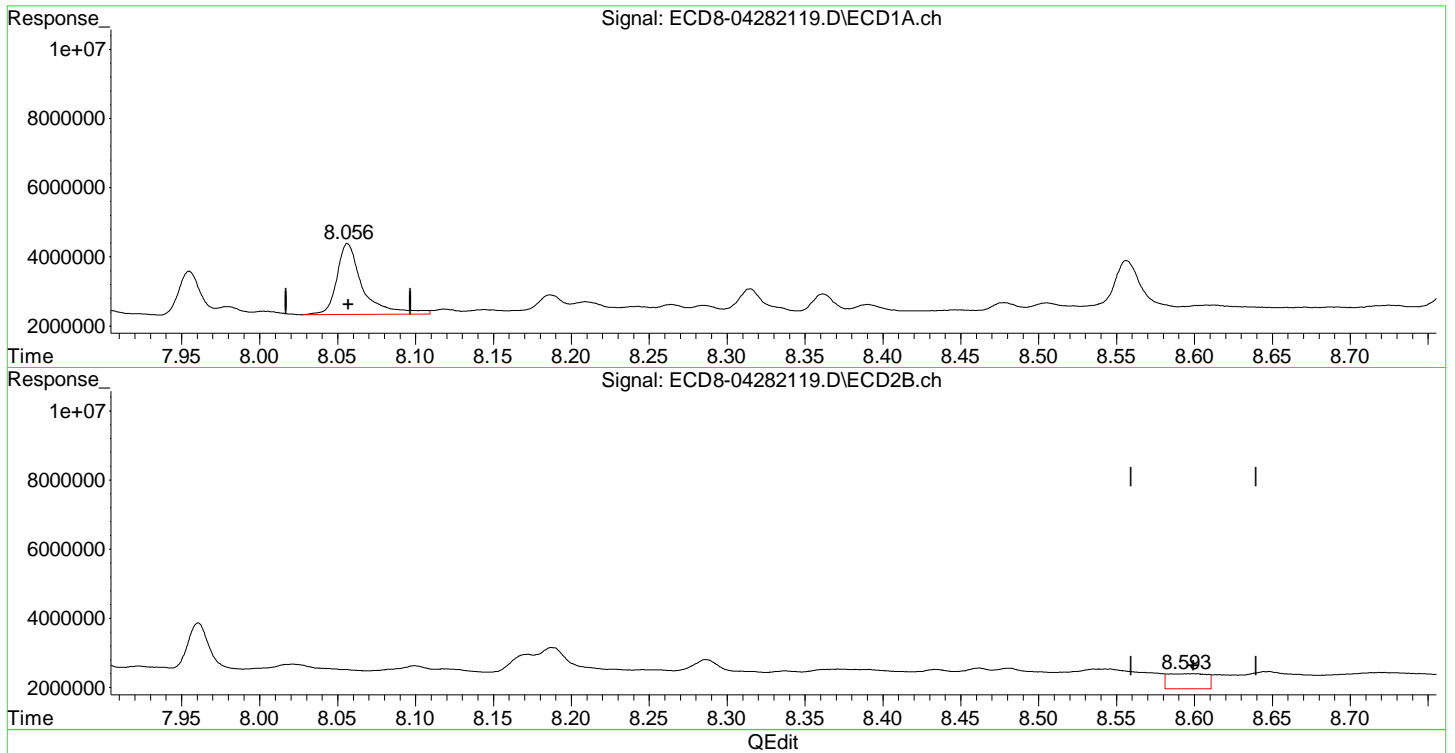
(28) 2,4'-DDD  
7.890min 0.226 ng/mL  
response 429177

(28) 2,4'-DDD #2  
8.371min 0.169 ng/mL m  
response 587278

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:55  
Operator : MJB  
Sample : A1D0625-02  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:24:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(29) 2,4'-DDT  
8.056min 1.019 ng/mL  
response 2055469

(29) 2,4'-DDT #2  
8.593min 0.208 ng/mL m  
response 437330

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:55  
 Operator : MJB  
 Sample : A1D0625-02  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 14 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:24:54 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.559	5.897	195.2E6	219.8E6	60.881	64.578
22) S DCBP (S)	9.794	10.416	141.6E6	146.1E6	72.598	84.227
Target Compounds						
2) a-BHC	6.108	0.000	2068860	0	0.486	N.D. #
3) g-BHC	6.381	6.787	2022992	5644596	0.557	1.445 #
4) b-BHC	6.480	6.869	2895900	9686319	1.852	5.797 #
5) Heptachlor	6.797	7.179	1113607	5458589	0.325	1.480 #
6) d-BHC	6.619	7.122	638130	5524906	0.189	1.516 #
7) Aldrin	7.034	7.448	1168930	5441199	0.340	1.547 #
8) Heptachlo...	7.516	7.897	512376	5892296	0.162	1.781 #
9) trans-Chl...	7.603	8.021	929918	5867067	0.289	1.740 #
10) cis-Chlor...	7.689	8.119	391844	5807210	0.124	1.791 #
11) Endosulfa...	7.823f	8.172	914957	6268843	0.316	2.083 #
12) 4,4'-DDE	7.744	8.215	115496	338173	0.034	0.096m#
13) Dieldrin	7.978	8.372	246226	5981561	0.078	1.819 #
14) Endrin	8.144	8.599	123980	6006557	0.048	2.454 #
15) 4,4'-DDD	8.186	8.648	536230	393864	0.198	0.139m#
16) Endosulfa...	8.315	8.719f	666687	6128271	0.265	2.295 #
17) 4,4'-DDT	8.368	8.871	314005	317126	0.128m	0.099m
18) Endrin Al...	8.608	8.975	108047	6663977	BelowCal	2.388
19) Endosulfa...	8.918	9.176	67759	6487893	0.027	2.431 #
20) Methoxychlor	8.725	9.347	59627	6643448	0.048	5.049 #
21) Endrin Ke...	9.122	9.582	83342	10544786	0.028	3.622 #
23) Hexachlor...	3.344	3.610	4424593	8312942	1.273	2.073 #
24) Hexachlor...	5.939	6.352	3444649	9694950	1.057	2.700 #
25) Oxychlorane	7.435	7.795	320465	6700684	0.116	2.279 #
26) 2,4'-DDE	7.491	8.089f	412630	729985	0.185	0.314m#
27) trans-Non...	7.689	8.100	391844	5882542	0.123	1.749 #
28) 2,4'-DDD	7.890	8.371	429177	587278	0.226	0.169m#
29) 2,4'-DDT	8.056	8.593	2055469	437330	1.019	0.208m#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 14:55  
 Operator : MJB  
 Sample : A1D0625-02  
 Misc : 1x, 8081B 2,4+4,4-DDx Only  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:24:54 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

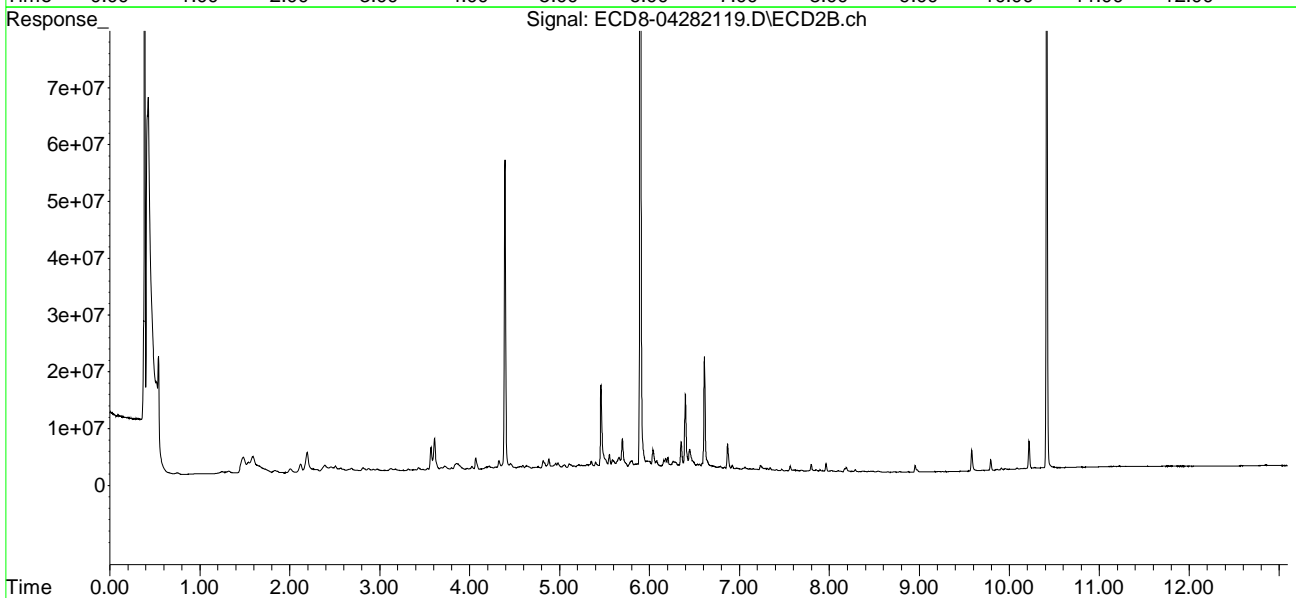
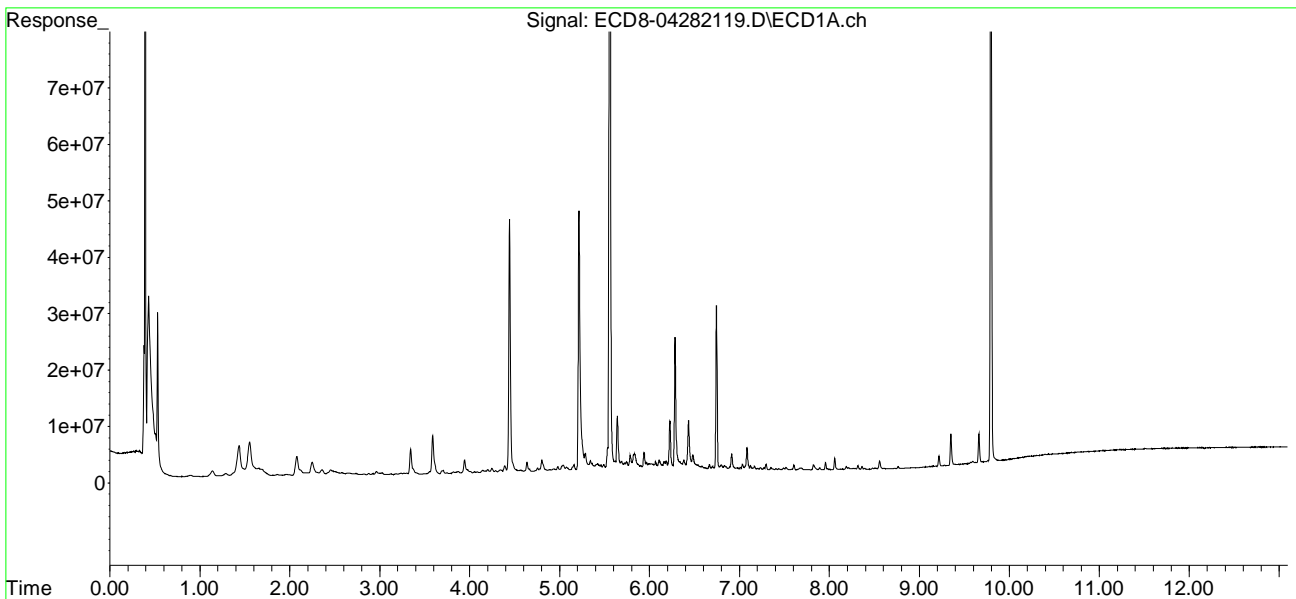
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.144	8.647	123980	6099297	0.037	1.699 #
31)	Mirex	8.845	9.543	56868	6860443	21703.374	3.231 #
32)	Chlordane...	7.603	8.021	929918	5867067	2.658	14.537 #
33)	Chlordane...	7.689	8.119	391844	5807210	1.127	17.213 #
34)	Chlordane...	8.264	8.783	228933	6248861	2.170	53.057 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.744	8.434	115496	6014838	6.905	189.753 #
37)	Toxaphene...	8.056f	8.783	2055469	6248861	63.738	161.903 #
38)	Toxaphene...	8.362	8.823	511595	6156043	8.863	106.585 #
39)	Toxaphene...	8.608	8.873	108047	6242867	1.713	66.973 #
40)	Toxaphene...	8.845	9.077	56868	6408283	1.197	115.798 #
41)	Toxaphene...	8.892	9.462f	33769	6770302	0.627	117.936 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 14:55  
Operator : MJB  
Sample : A1D0625-02  
Misc : 1x, 8081B 2,4+4,4-DDx Only  
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:24:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282124.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:24  
 Operator : MJB  
 Sample : 1D28029-CCV5  
 Misc : A21B424, AB Mix 100 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:40:21 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.556	5.898	259.6E6	281.7E6	80.959	82.739
22) S DCBP (S)	9.787	10.411	186.4E6	183.6E6	96.959	105.652
Target Compounds						
2) a-BHC	6.106	6.490	365.5E6	422.9E6	85.896	93.319
3) g-BHC	6.392	6.804	317.3E6	365.5E6	87.423	93.600
4) b-BHC	6.474	6.872	123.5E6	137.6E6	78.938	80.094
5) Heptachlor	6.793	7.180	325.0E6	375.4E6	94.761	101.801
6) d-BHC	6.626	7.119	275.6E6	317.7E6	81.641	78.366
7) Aldrin	7.035	7.442	308.9E6	340.0E6	89.848	96.676
8) Heptachlo...	7.505	7.876	288.9E6	295.7E6	91.595	89.350
9) trans-Chl...	7.597	8.016	285.1E6	309.4E6	88.501	91.778
10) cis-Chlor...	7.695	8.123	278.3E6	305.7E6	88.288	94.283
11) Endosulfa...	7.797	8.171	266.8E6	268.2E6	92.012	89.115
12) 4,4'-DDE	7.751	8.230	273.4E6	293.1E6	79.395	83.383
13) Dieldrin	7.972	8.370	299.6E6	306.5E6	94.457	93.181
14) Endrin	8.142	8.592	246.6E6	239.3E6	95.325	86.343
15) 4,4'-DDD	8.181	8.643	222.4E6	235.5E6	82.169	83.350
16) Endosulfa...	8.303	8.740	235.5E6	220.9E6	93.581	82.723
17) 4,4'-DDT	8.378	8.869	231.9E6	246.0E6	94.588	90.599
18) Endrin Al...	8.599	8.975	207.3E6	203.1E6	92.803	81.958
19) Endosulfa...	8.906	9.170	226.8E6	221.6E6	90.663	83.052
20) Methoxychlor	8.714	9.337	106.0E6	98243695	84.691	74.670
21) Endrin Ke...	9.107	9.559	280.8E6	286.5E6	94.254	93.724
23) Hexachlor...	0.000	3.626	0	169410	N.D.	0.042 #
24) Hexachlor...	5.942	6.380f	480004	24658	0.147	0.007 #
25) Oxychlorane	7.438	7.807	1287176	49995	0.467	0.017 #
26) 2,4'-DDE	7.505	8.016	288.9E6	309.4E6	129.251	133.105
27) trans-Non...	7.695	8.082	278.3E6	1290147	87.560	0.384 #
28) 2,4'-DDD	0.000	8.370	0	306.5E6	N.D.	144.878 #
29) 2,4'-DDT	8.057	8.592	1045211	239.3E6	0.518	113.709 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282124.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:24  
 Operator : MJB  
 Sample : 1D28029-CCV5  
 Misc : A21B424, AB Mix 100 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:40:21 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

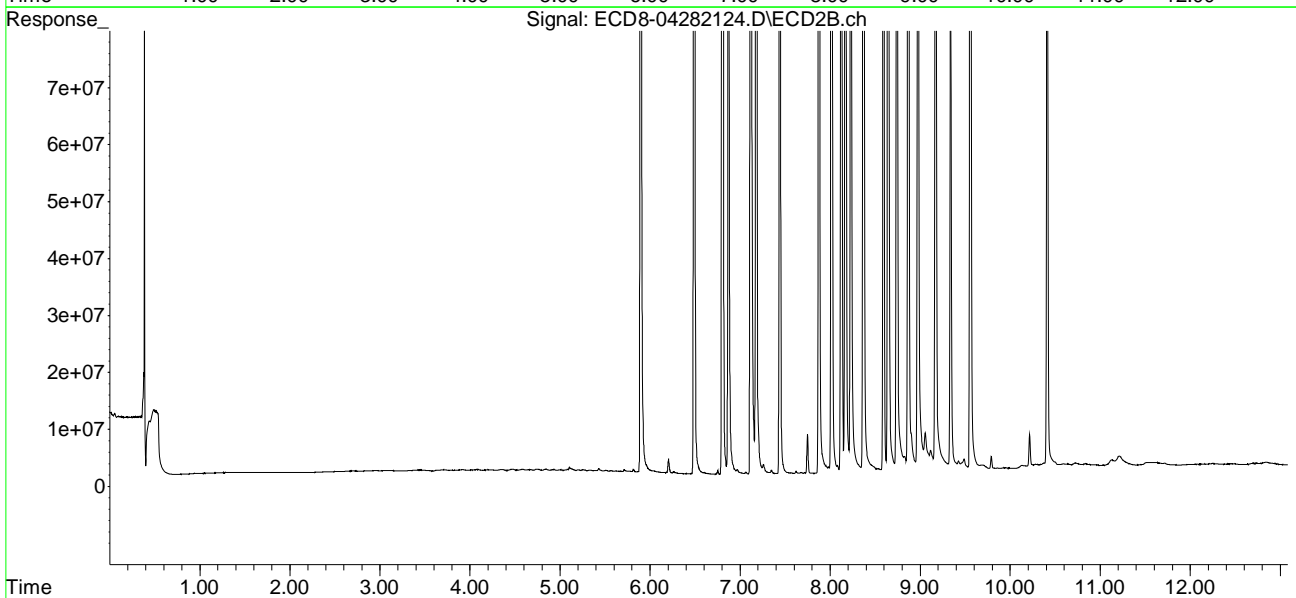
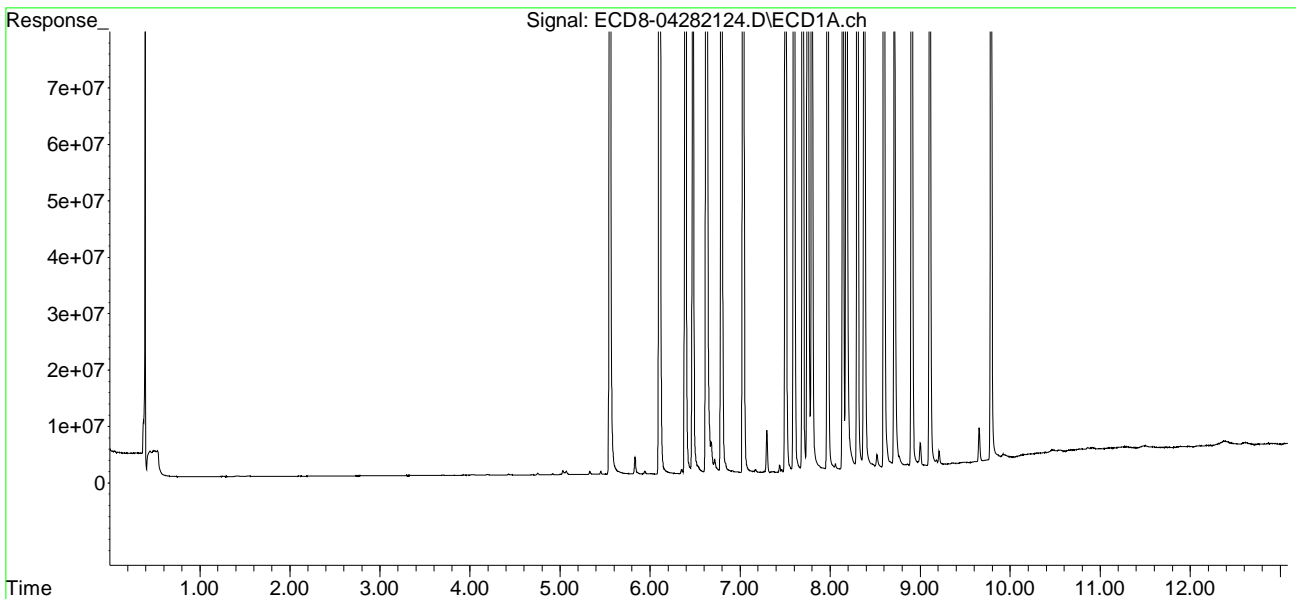
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.142	8.643	246.6E6	235.5E6	73.489	65.614
31)	Mirex	8.836	9.559	329956	286.5E6	21703.237	137.761 #
32)	Chlordane...	7.597	8.016	285.1E6	309.4E6	815.057	766.588
33)	Chlordane...	7.695	8.123	278.3E6	305.7E6	800.587	906.079
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.751	0.000	273.4E6	0	BelowCal	N.D.
37)	Toxaphene...	8.057f	8.824f	1045211	2738224	32.051	70.945 #
38)	Toxaphene...	8.378f	8.824	231.9E6	2738224	4017.275	47.409 #
39)	Toxaphene...	8.599	8.869	207.3E6	246.0E6	3285.527	2367.942 #
40)	Toxaphene...	8.836	9.056	329956	6819765	6.944	123.440 #
41)	Toxaphene...	8.906	9.424	226.8E6	1733726	4209.461	30.201 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282124.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 16:24  
Operator : MJB  
Sample : 1D28029-CCV5  
Misc : A21B424, AB Mix 100 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:40:21 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282124.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:24  
 Operator : MJB  
 Sample : 1D28029-CCV5  
 Misc : A21B424, AB Mix 100 ppb  
 ALS Vial : 5 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:40:21 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.556	5.898	259.6E6	281.7E6	80.959	82.739
22) S DCBP (S)	9.787	10.411	186.4E6	183.6E6	96.959	105.652
Target Compounds						
2) a-BHC	6.106	6.490	365.5E6	422.9E6	85.896	93.319
3) g-BHC	6.392	6.804	317.3E6	365.5E6	87.423	93.600
4) b-BHC	6.474	6.872	123.5E6	137.6E6	78.938	80.094
5) Heptachlor	6.793	7.180	325.0E6	375.4E6	94.761	101.801
6) d-BHC	6.626	7.119	275.6E6	317.7E6	81.641	78.366
7) Aldrin	7.035	7.442	308.9E6	340.0E6	89.848	96.676
8) Heptachlo...	7.505	7.876	288.9E6	295.7E6	91.595	89.350
9) trans-Chl...	7.597	8.016	285.1E6	309.4E6	88.501	91.778
10) cis-Chlor...	7.695	8.123	278.3E6	305.7E6	88.288	94.283
11) Endosulfa...	7.797	8.171	266.8E6	268.2E6	92.012	89.115
12) 4,4'-DDE	7.751	8.230	273.4E6	293.1E6	79.395	Q-3183.383
13) Dieldrin	7.972	8.370	299.6E6	306.5E6	94.457	93.181
14) Endrin	8.142	8.592	246.6E6	239.3E6	95.325	86.343
15) 4,4'-DDD	8.181	8.643	222.4E6	235.5E6	82.169	83.350
16) Endosulfa...	8.303	8.740	235.5E6	220.9E6	93.581	82.723
17) 4,4'-DDT	8.378	8.869	231.9E6	246.0E6	94.588	90.599
18) Endrin Al...	8.599	8.975	207.3E6	203.1E6	92.803	81.958
19) Endosulfa...	8.906	9.170	226.8E6	221.6E6	90.663	83.052
20) Methoxychlor	8.714	9.337	106.0E6	98243695	84.691	74.670
21) Endrin Ke...	9.107	9.559	280.8E6	286.5E6	94.254	93.724
23) Hexachlor...	0.000	3.626	0	169410	N.D.	0.042 #
24) Hexachlor...	5.942	6.380f	480004	24658	0.147	0.007 #
25) Oxychlorane	7.438	7.807	1287176	49995	0.467	0.017 #
26) 2,4'-DDE	7.505	8.016	288.9E6	309.4E6	129.251	133.105
27) trans-Non...	7.695	8.082	278.3E6	1290147	87.560	0.384 #
28) 2,4'-DDD	0.000	8.370	0	306.5E6	N.D.	144.878 #
29) 2,4'-DDT	8.057	8.592	1045211	239.3E6	0.518	113.709 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282124.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:24  
 Operator : MJB  
 Sample : 1D28029-CCV5  
 Misc : A21B424, AB Mix 100 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:40:21 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

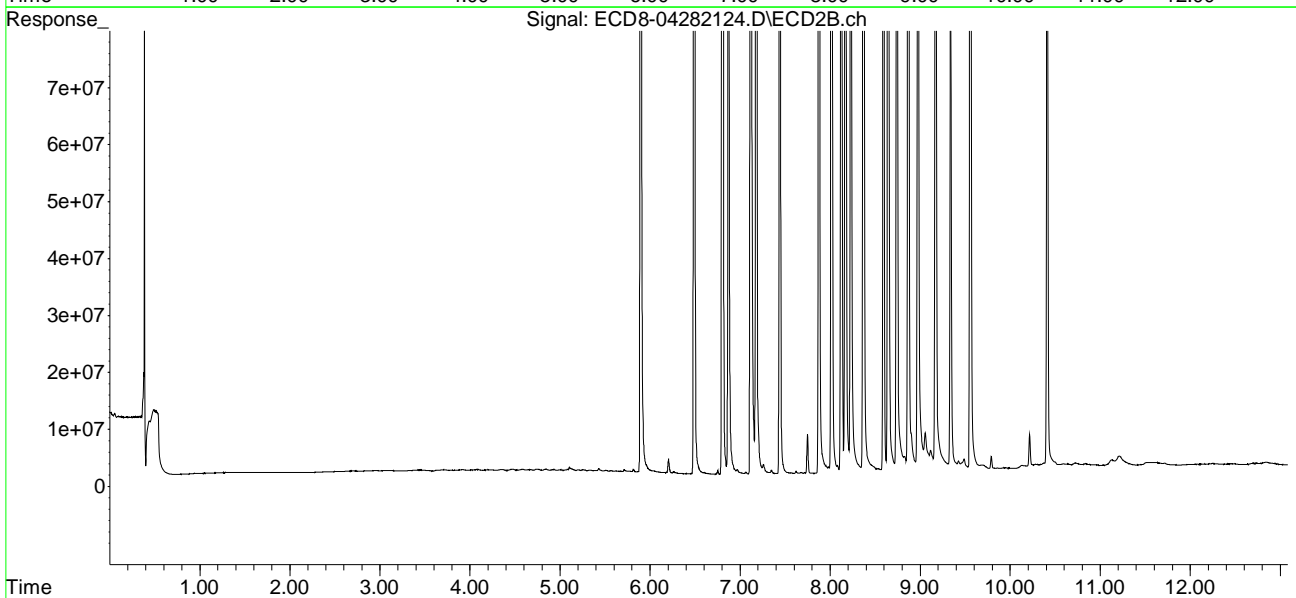
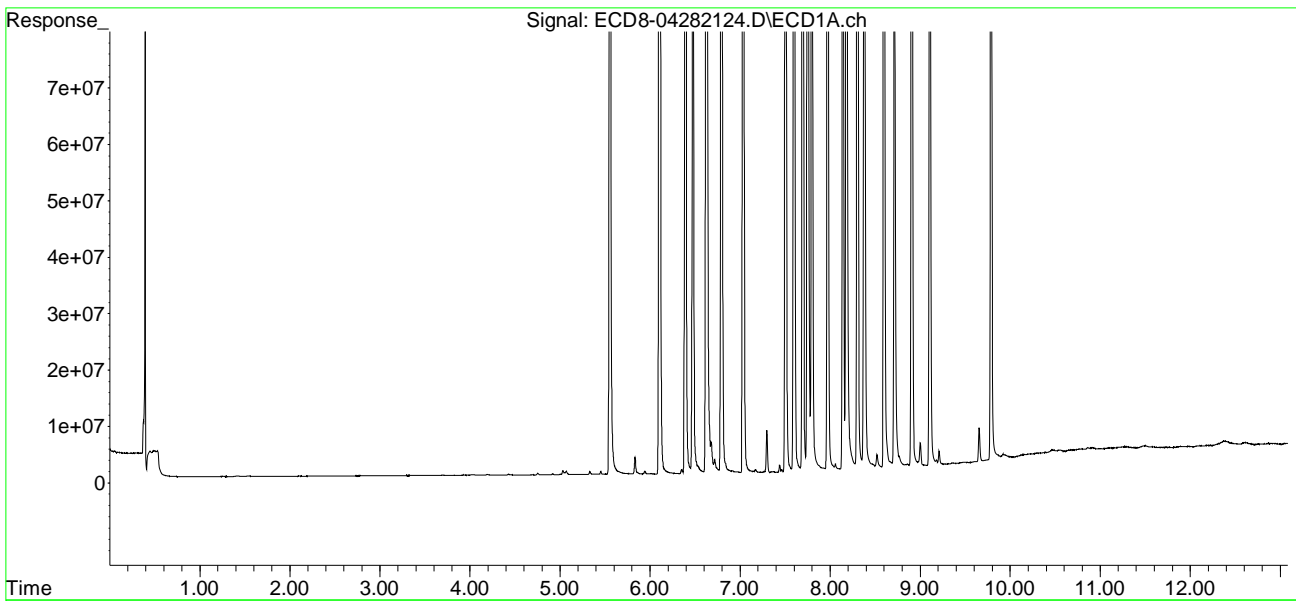
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.142	8.643	246.6E6	235.5E6	73.489	65.614
31)	Mirex	8.836	9.559	329956	286.5E6	21703.237	137.761 #
32)	Chlordane...	7.597	8.016	285.1E6	309.4E6	815.057	766.588
33)	Chlordane...	7.695	8.123	278.3E6	305.7E6	800.587	906.079
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.751	0.000	273.4E6	0	BelowCal	N.D.
37)	Toxaphene...	8.057f	8.824f	1045211	2738224	32.051	70.945 #
38)	Toxaphene...	8.378f	8.824	231.9E6	2738224	4017.275	47.409 #
39)	Toxaphene...	8.599	8.869	207.3E6	246.0E6	3285.527	2367.942 #
40)	Toxaphene...	8.836	9.056	329956	6819765	6.944	123.440 #
41)	Toxaphene...	8.906	9.424	226.8E6	1733726	4209.461	30.201 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282124.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 16:24  
Operator : MJB  
Sample : 1D28029-CCV5  
Misc : A21B424, AB Mix 100 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:40:21 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:41  
 Operator : MJB  
 Sample : 1D28029-CCV6  
 Misc : A21C332, 9-42 Mix 100 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:55:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.527f	5.870f	2242082	426647	0.699	0.125 #
22) S DCBP (S)	9.787	0.000	252026	0	1931.212	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.384	6.810	364118	67091	0.100	0.017 #
4) b-BHC	6.452f	6.882	25807	425717	0.017	0.069 #
5) Heptachlor	6.798	7.182	146451	170254	0.043	0.046
6) d-BHC	6.635	7.122	96008	94168	0.028	0.016 #
7) Aldrin	7.037	7.445	23403	44129	0.007	0.013 #
8) Heptachlo...	7.499	7.911f	176.2E6	798755	55.877	0.241 #
9) trans-Chl...	7.599	8.005	1758295	186.8E6	0.546	55.423 #
10) cis-Chlor...	7.684	0.000	281.6E6	0	89.321	N.D. #
11) Endosulfa...	7.796	8.168	1512036	827580	0.521	0.275 #
12) 4,4'-DDE	0.000	8.233	0	846274	N.D.	0.241 #
13) Dieldrin	7.967	8.376	1060865	166.3E6	0.334	50.562 #
14) Endrin	8.163	8.599	292.3E6	204.7E6	113.002	75.049 #
15) 4,4'-DDD	8.163f	8.642	292.3E6	332.4E6	108.011	117.633
16) Endosulfa...	8.305	0.000	362511	0	0.144	N.D. #
17) 4,4'-DDT	8.380	8.870	270126	196217	0.110	0.048 #
18) Endrin Al...	8.603	8.985	191875	339987	BelowCal	BelowCal
19) Endosulfa...	8.941f	9.172	1079225	143778	0.431	0.054 #
20) Methoxychlor	8.684f	9.354	11625	289029	0.009	0.220 #
21) Endrin Ke...	9.110	9.551	151147	192.1E6	0.051	65.277 #
23) Hexachlor...	3.340	3.614	252.8E6	316.9E6	72.711	79.041
24) Hexachlor...	5.942	6.359	265.4E6	286.3E6	81.395	79.727
25) Oxychlorane	7.430	7.809	256.0E6	271.9E6	92.850	92.489
26) 2,4'-DDE	7.499	8.005	176.2E6	186.8E6	78.848	80.379
27) trans-Non...	7.684	8.084	281.6E6	321.1E6	88.584	95.484
28) 2,4'-DDD	7.879	8.376	155.3E6	166.3E6	81.953	82.290
29) 2,4'-DDT	8.060	8.599	188.6E6	204.7E6	93.522	97.290

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:41  
 Operator : MJB  
 Sample : 1D28029-CCV6  
 Misc : A21C332, 9-42 Mix 100 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:55:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

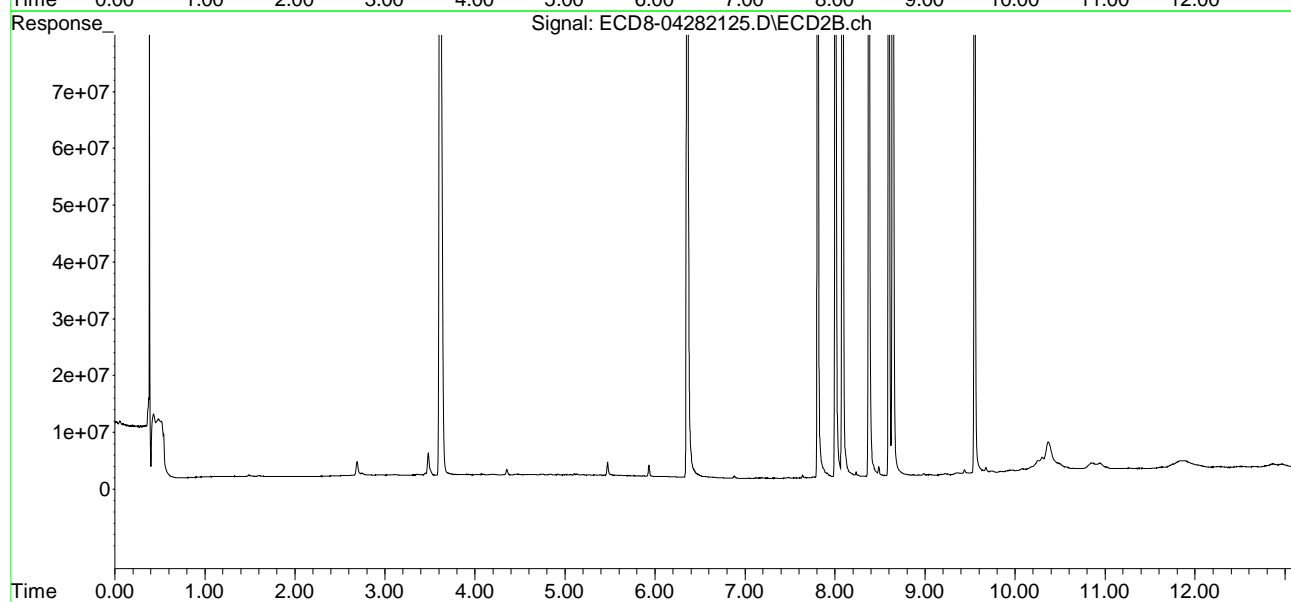
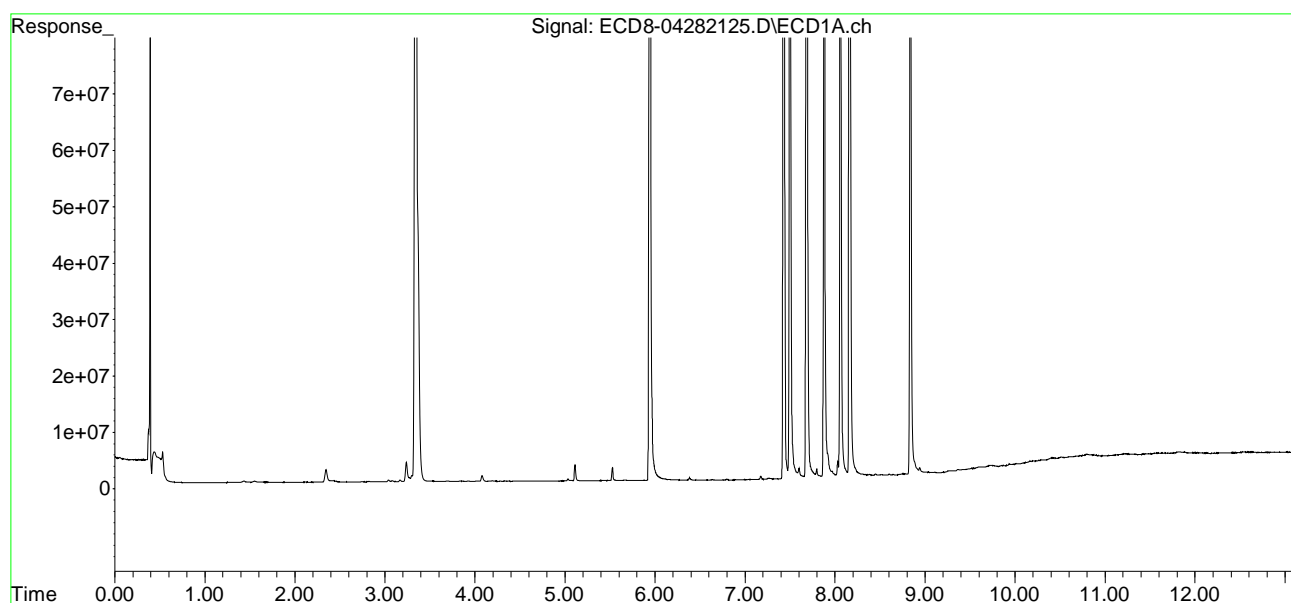
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.163	8.642	292.3E6	332.4E6	87.117	92.603
31)	Mirex	8.837	9.551	174.1E6	192.1E6	87.934	95.197
32)	Chlordane...	7.599	8.005	1758295	186.8E6	5.027	462.923 #
33)	Chlordane...	7.684	8.168f	281.6E6	827580	809.949	2.453 #
34)	Chlordane...	0.000	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...	8.030	0.000	2709273	0	84.334	N.D. #
38)	Toxaphene...	8.380f	0.000	270126	0	4.680	N.D. #
39)	Toxaphene...	8.603	8.870	191875	196217	3.042	BelowCal #
40)	Toxaphene...	8.837	9.057	174.1E6	128383	3663.929	BelowCal #
41)	Toxaphene...	0.000	9.437	0	795952	N.D.	13.865 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282125.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 16:41  
Operator : MJB  
Sample : 1D28029-CCV6  
Misc : A21C332, 9-42 Mix 100 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:55:01 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:41  
 Operator : MJB  
 Sample : 1D28029-CCV6  
 Misc : A21C332, 9-42 Mix 100 ppb  
 ALS Vial : 6 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:55:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.527f	5.870f	2242082	426647	0.699	0.125 #
22) S DCBP (S)	9.787	0.000	252026	0	1931.212	N.D. #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.384	6.810	364118	67091	0.100	0.017 #
4) b-BHC	6.452f	6.882	25807	425717	0.017	0.069 #
5) Heptachlor	6.798	7.182	146451	170254	0.043	0.046
6) d-BHC	6.635	7.122	96008	94168	0.028	0.016 #
7) Aldrin	7.037	7.445	23403	44129	0.007	0.013 #
8) Heptachlo...	7.499	7.911f	176.2E6	798755	55.877	0.241 #
9) trans-Chl...	7.599	8.005	1758295	186.8E6	0.546	55.423 #
10) cis-Chlor...	7.684	0.000	281.6E6	0	89.321	N.D. #
11) Endosulfa...	7.796	8.168	1512036	827580	0.521	0.275 #
12) 4,4'-DDE	0.000	8.233	0	846274	N.D.	0.241 #
13) Dieldrin	7.967	8.376	1060865	166.3E6	0.334	50.562 #
14) Endrin	8.163	8.599	292.3E6	204.7E6	113.002	75.049 #
15) 4,4'-DDD	8.163f	8.642	292.3E6	332.4E6	108.011	117.633
16) Endosulfa...	8.305	0.000	362511	0	0.144	N.D. #
17) 4,4'-DDT	8.380	8.870	270126	196217	0.110	0.048 #
18) Endrin Al...	8.603	8.985	191875	339987	BelowCal	BelowCal
19) Endosulfa...	8.941f	9.172	1079225	143778	0.431	0.054 #
20) Methoxychlor	8.684f	9.354	11625	289029	0.009	0.220 #
21) Endrin Ke...	9.110	9.551	151147	192.1E6	0.051	65.277 #
23) Hexachlor...	3.340	3.614	252.8E6	316.9E6	72.711	79.041
24) Hexachlor...	5.942	6.359	265.4E6	286.3E6	81.395	79.727
25) Oxychlorane	7.430	7.809	256.0E6	271.9E6	92.850	92.489
26) 2,4'-DDE	7.499	8.005	176.2E6	186.8E6	78.848	Q-3180.379
27) trans-Non...	7.684	8.084	281.6E6	321.1E6	88.584	95.484
28) 2,4'-DDD	7.879	8.376	155.3E6	166.3E6	81.953	82.290
29) 2,4'-DDT	8.060	8.599	188.6E6	204.7E6	93.522	97.290

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:41  
 Operator : MJB  
 Sample : 1D28029-CCV6  
 Misc : A21C332, 9-42 Mix 100 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 16:55:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.163	8.642	292.3E6	332.4E6	87.117	92.603
31)	Mirex	8.837	9.551	174.1E6	192.1E6	87.934	95.197
32)	Chlordane...	7.599	8.005	1758295	186.8E6	5.027	462.923 #
33)	Chlordane...	7.684	8.168f	281.6E6	827580	809.949	2.453 #
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...	8.030	0.000	2709273	0	84.334	N.D. #
38)	Toxaphene...	8.380f	0.000	270126	0	4.680	N.D. #
39)	Toxaphene...	8.603	8.870	191875	196217	3.042	BelowCal #
40)	Toxaphene...	8.837	9.057	174.1E6	128383	3663.929	BelowCal #
41)	Toxaphene...	0.000	9.437	0	795952	N.D.	13.865 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

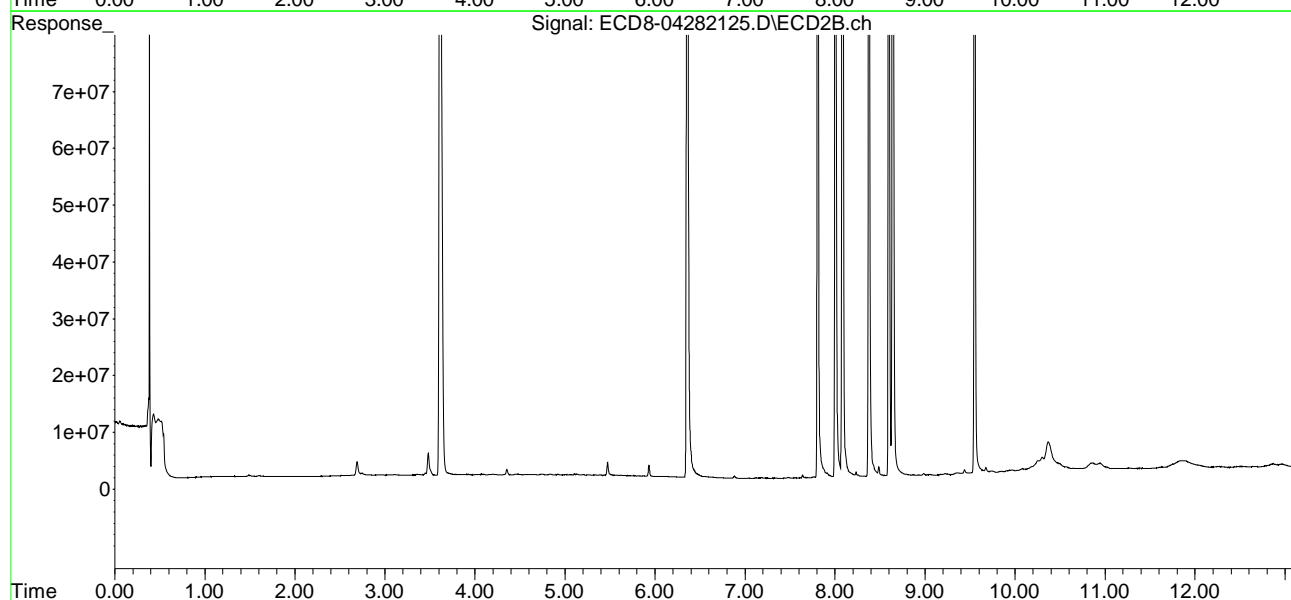
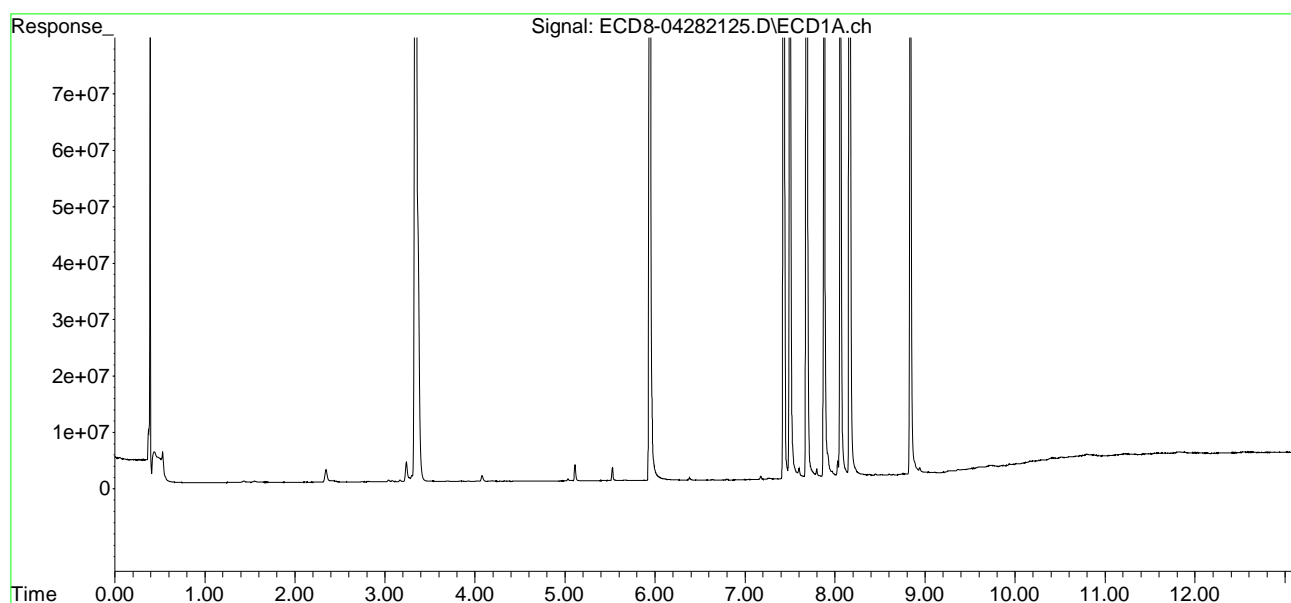
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282125.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 16:41  
Operator : MJB  
Sample : 1D28029-CCV6  
Misc : A21C332, 9-42 Mix 100 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 16:55:01 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282126.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:57  
 Operator : MJB  
 Sample : 1D28029-CCB2  
 Misc : A21D192  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 17:18:04 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.556	5.897	272.0E6	284.9E6	84.827	83.695
22) S DCBP (S)	9.791	10.414	169.4E6	176.0E6	87.632	101.290
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.408	6.795	74640	27298	0.021	0.007 #
4) b-BHC	6.442f	6.876	38869	36387	0.025	BelowCal #
5) Heptachlor	6.803	7.198	14071	18994	0.004	0.005 #
6) d-BHC	6.640	7.126	19924	15837	0.006	BelowCal #
7) Aldrin	7.030	7.441	26171	28406	0.008	0.008
8) Heptachlo...	7.509	7.882	19460	41299	0.006	0.012 #
9) trans-Chl...	7.590	8.018	348049	51000	0.108	0.015 #
10) cis-Chlor...	7.704	8.136	17637	49106	0.006	0.015 #
11) Endosulfa...	7.804	8.169	14097	42452	0.005	0.014 #
12) 4,4'-DDE	7.760	8.228	33117	67294	0.010	0.019 #
13) Dieldrin	7.982	0.000	11975	0	0.004	N.D. #
14) Endrin	8.167f	8.602	20298	74271	0.008	0.033 #
15) 4,4'-DDD	8.173	8.646	19632	85243	0.007	0.030 #
16) Endosulfa...	8.314	8.742	21359	29905	0.008	0.011 #
17) 4,4'-DDT	8.389	8.878	11488	86769	0.005	0.001 #
18) Endrin Al...	8.608	8.977	75640	57911	BelowCal	BelowCal
19) Endosulfa...	8.916	9.174	83358	82659	0.033	0.031
20) Methoxychlor	8.702	9.342	24347	56683	0.019	0.043 #
21) Endrin Ke...	9.108	9.569	59308	291788	0.020	BelowCal #
23) Hexachlor...	0.000	3.634f	0	180257	N.D.	0.045 #
24) Hexachlor...	5.942	0.000	424788	0	0.130	N.D. #
25) Oxychlorane	7.433	7.808	18566	61764	0.007	0.021 #
26) 2,4'-DDE	7.483	8.012	6878	50493	0.003	0.022 #
27) trans-Non...	7.688	8.089	25682	48999	0.008	0.015 #
28) 2,4'-DDD	7.840f	0.000	9837	0	0.005	N.D. #
29) 2,4'-DDT	8.061	8.602	23019	74271	0.011	0.035 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282126.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:57  
 Operator : MJB  
 Sample : 1D28029-CCB2  
 Misc : A21D192  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 17:18:04 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

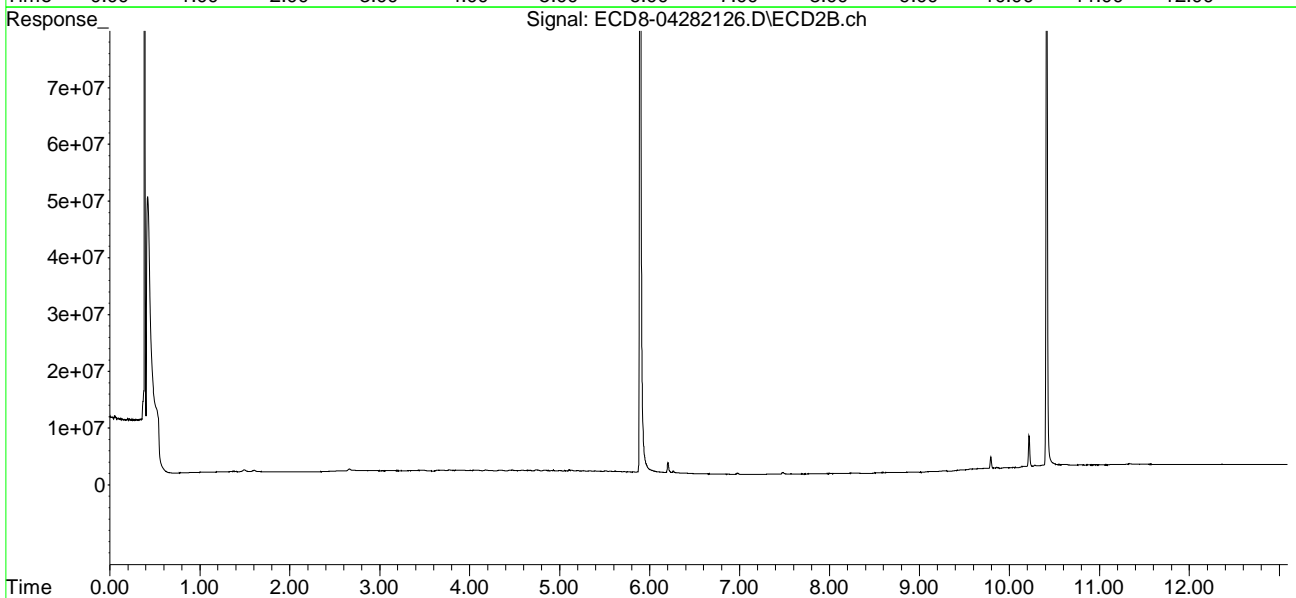
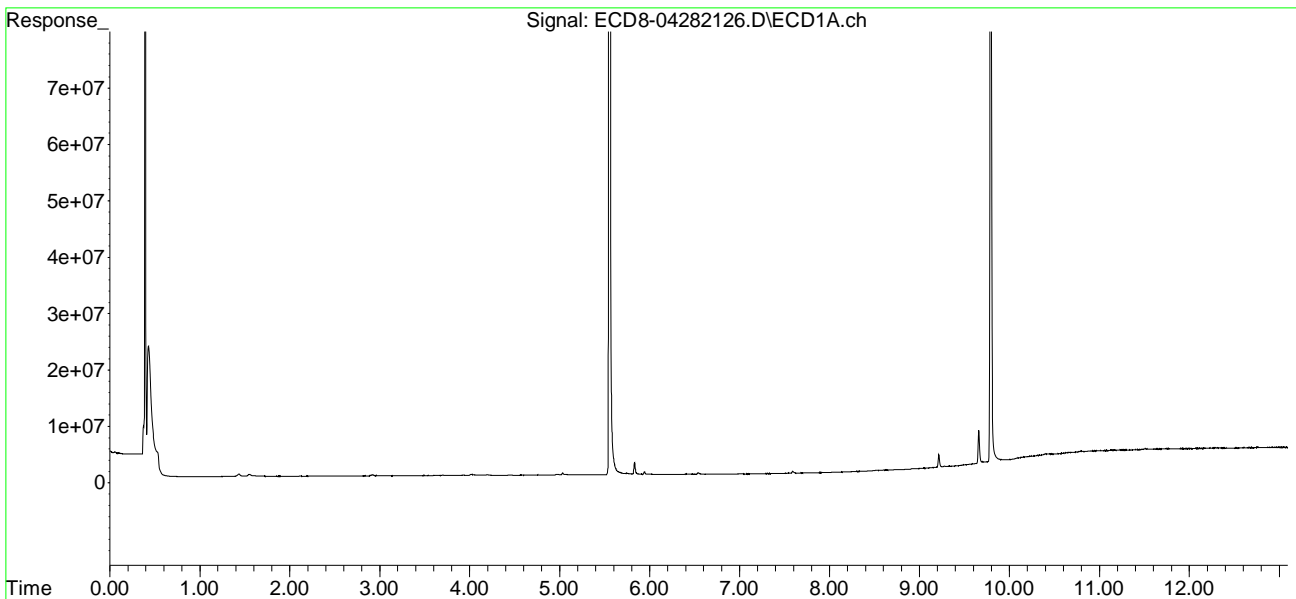
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.167	8.646	20298	85243	0.006	0.024 #
31)	Mirex	8.842	9.569	27569	291788	21703.389	BelowCal #
32)	Chlordane...	7.590	8.018	348049	51000	0.995	0.126 #
33)	Chlordane...	7.704	8.136	17637	49106	0.051	0.146 #
34)	Chlordane...	8.265	8.765	22372	15049	0.212	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.760f	8.431	33117	8419	1.320	0.266 #
37)	Toxaphene...	8.040	8.765	43601	15049	0.799	0.390 #
38)	Toxaphene...	8.337	8.808	11041	64014	0.191	1.108 #
39)	Toxaphene...	8.608	8.878	75640	86769	1.199	BelowCal #
40)	Toxaphene...	8.842	0.000	27569	0	0.580	N.D. #
41)	Toxaphene...	8.916f	9.403f	83358	113362	1.547	1.975 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282126.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 16:57  
Operator : MJB  
Sample : 1D28029-CCB2  
Misc : A21D192  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 17:18:04 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282126.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:57  
 Operator : MJB  
 Sample : 1D28029-CCB2  
 Misc : A21D192  
 ALS Vial : 7 Sample Multiplier: 1

MJB 4/28/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 17:18:04 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.556	5.897	272.0E6	284.9E6	84.827	83.695
22) S DCBP (S)	9.791	10.414	169.4E6	176.0E6	87.632	101.290
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.408	6.795	74640	27298	0.021	0.007 #
4) b-BHC	6.442f	6.876	38869	36387	0.025	BelowCal #
5) Heptachlor	6.803	7.198	14071	18994	0.004	0.005 #
6) d-BHC	6.640	7.126	19924	15837	0.006	BelowCal #
7) Aldrin	7.030	7.441	26171	28406	0.008	0.008
8) Heptachlo...	7.509	7.882	19460	41299	0.006	0.012 #
9) trans-Chl...	7.590	8.018	348049	51000	0.108	0.015 #
10) cis-Chlor...	7.704	8.136	17637	49106	0.006	0.015 #
11) Endosulfa...	7.804	8.169	14097	42452	0.005	0.014 #
12) 4,4'-DDE	7.760	8.228	33117	67294	0.010	0.019 #
13) Dieldrin	7.982	0.000	11975	0	0.004	N.D. #
14) Endrin	8.167f	8.602	20298	74271	0.008	0.033 #
15) 4,4'-DDD	8.173	8.646	19632	85243	0.007	0.030 #
16) Endosulfa...	8.314	8.742	21359	29905	0.008	0.011 #
17) 4,4'-DDT	8.389	8.878	11488	86769	0.005	0.001 #
18) Endrin Al...	8.608	8.977	75640	57911	BelowCal	BelowCal
19) Endosulfa...	8.916	9.174	83358	82659	0.033	0.031
20) Methoxychlor	8.702	9.342	24347	56683	0.019	0.043 #
21) Endrin Ke...	9.108	9.569	59308	291788	0.020	BelowCal #
23) Hexachlor...	0.000	3.634f	0	180257	N.D.	0.045 #
24) Hexachlor...	5.942	0.000	424788	0	0.130	N.D. #
25) Oxychlorane	7.433	7.808	18566	61764	0.007	0.021 #
26) 2,4'-DDE	7.483	8.012	6878	50493	0.003	0.022 #
27) trans-Non...	7.688	8.089	25682	48999	0.008	0.015 #
28) 2,4'-DDD	7.840f	0.000	9837	0	0.005	N.D. #
29) 2,4'-DDT	8.061	8.602	23019	74271	0.011	0.035 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
 Data File : ECD8-04282126.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2021 16:57  
 Operator : MJB  
 Sample : 1D28029-CCB2  
 Misc : A21D192  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Apr 28 17:18:04 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

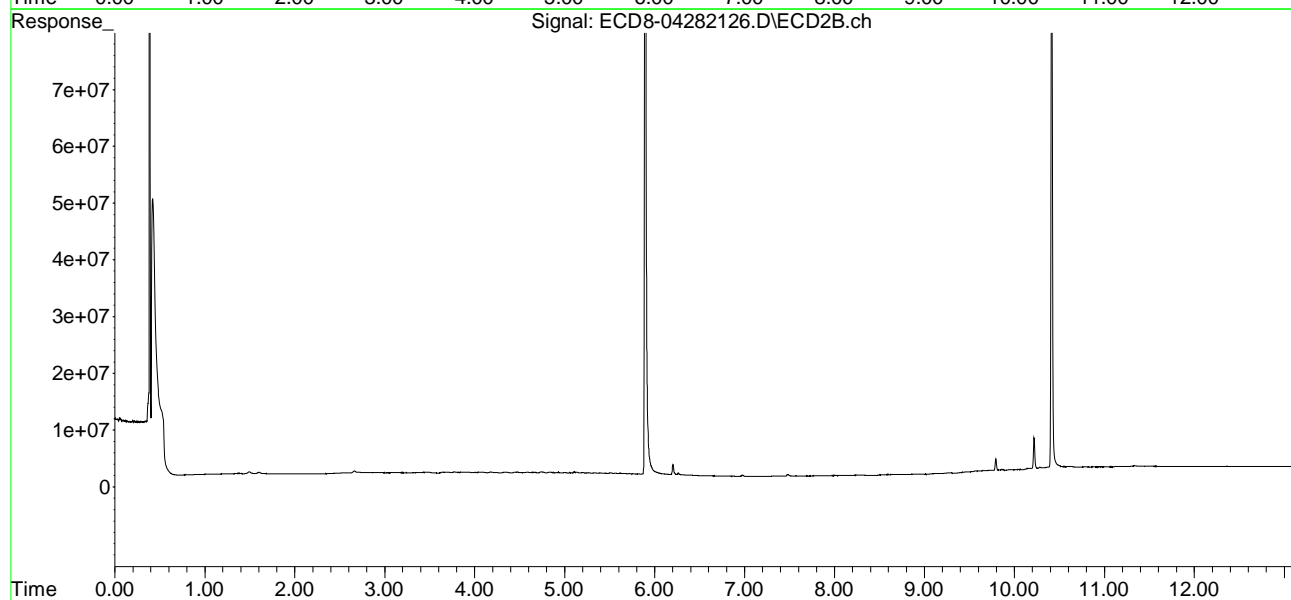
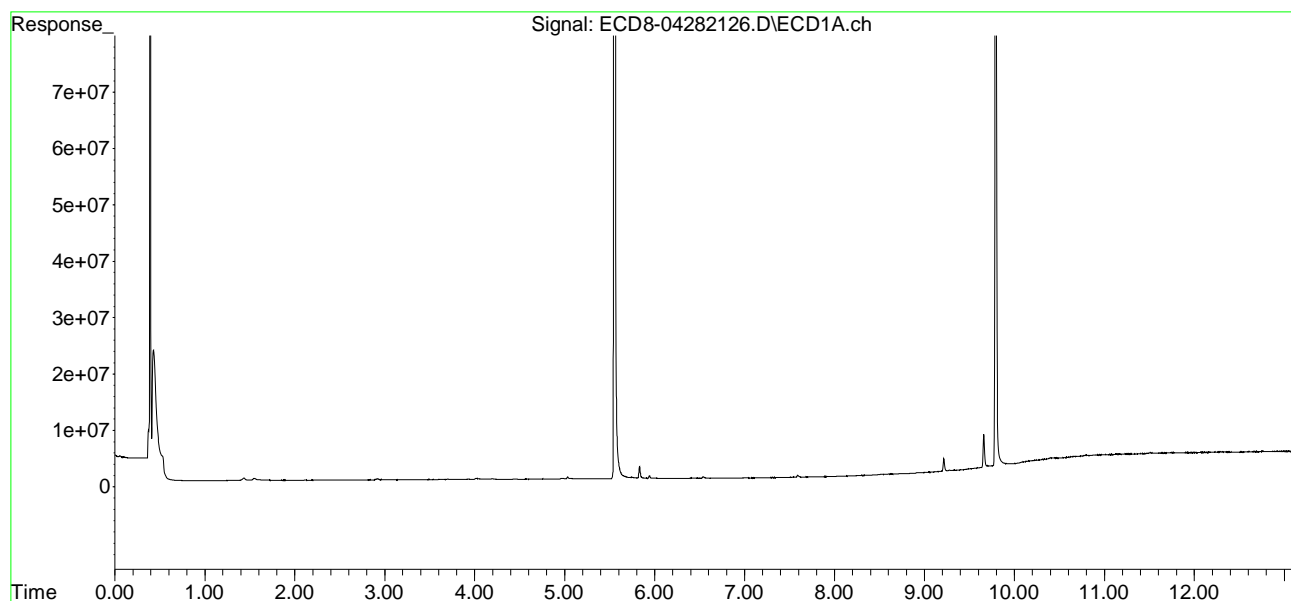
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.167	8.646	20298	85243	0.006	0.024 #
31)	Mirex	8.842	9.569	27569	291788	21703.389	BelowCal #
32)	Chlordane...	7.590	8.018	348049	51000	0.995	0.126 #
33)	Chlordane...	7.704	8.136	17637	49106	0.051	0.146 #
34)	Chlordane...	8.265	8.765	22372	15049	0.212	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.760f	8.431	33117	8419	1.320	0.266 #
37)	Toxaphene...	8.040	8.765	43601	15049	0.799	0.390 #
38)	Toxaphene...	8.337	8.808	11041	64014	0.191	1.108 #
39)	Toxaphene...	8.608	8.878	75640	86769	1.199	BelowCal #
40)	Toxaphene...	8.842	0.000	27569	0	0.580	N.D. #
41)	Toxaphene...	8.916f	9.403f	83358	113362	1.547	1.975 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-04\1D28029\  
Data File : ECD8-04282126.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2021 16:57  
Operator : MJB  
Sample : 1D28029-CCB2  
Misc : A21D192  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Apr 28 17:18:04 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222RTB.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



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

Sequence 1B22071 (Cal ID A1B2503) DUALECD8





# ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **1B22071**

Instrument: **DUALECD8**

Date: **02/22/21 18:04**

Calibration: **A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1B22071-BKD1	Water	QC	QC				A20K279
2	1B22071-ICB1	Water	QC	QC				A21B195
3	1B22071-CAL1	Water	QC	QC				A21B425
4	1B22071-CAL2	Water	QC	QC				A21B426
5	1B22071-CAL3	Water	QC	QC				A21B419
6	1B22071-CAL4	Water	QC	QC				A21B420
7	1B22071-CAL5	Water	QC	QC				A21B421
8	1B22071-CAL6	Water	QC	QC				A21B422
9	1B22071-CAL7	Water	QC	QC				A21B423
10	1B22071-CAL8	Water	QC	QC				A21B424
11	1B22071-CAL9	Water	QC	QC				A21B418
12	1B22071-IBL1	Water	QC	QC				
13	1B22071-ICV1	Water	QC	QC				A20I130
14	1B22071-CALA	Water	QC	QC				A21B427
15	1B22071-CALB	Water	QC	QC				A20I180
16	1B22071-CALC	Water	QC	QC				A20I181
17	1B22071-CALD	Water	QC	QC				A20I182
18	1B22071-CALE	Water	QC	QC				A20I183
19	1B22071-CALF	Water	QC	QC				A20I184
20	1B22071-CALG	Water	QC	QC				A21A187
21	1B22071-CALH	Water	QC	QC				A21A188
22	1B22071-CALI	Water	QC	QC				A20I179
23	1B22071-IBL2	Water	QC	QC				
24	1B22071-ICV2	Water	QC	QC				A20I187
25	1B22071-CALJ	Water	QC	QC				A21B428
26	1B22071-CALK	Water	QC	QC				A20L139
27	1B22071-CALL	Water	QC	QC				A20L140
28	1B22071-CALM	Water	QC	QC				A20L141
29	1B22071-CALN	Water	QC	QC				A20L142
30	1B22071-CALO	Water	QC	QC				A20L143
31	1B22071-CALP	Water	QC	QC				A20L138
32	1B22071-IBL3	Water	QC	QC				
33	1B22071-ICV3	Water	QC	QC				A20L144
34	1B22071-CALQ	Water	QC	QC				A21B429
35	1B22071-CALR	Water	QC	QC				A20K260
36	1B22071-CALS	Water	QC	QC				A20K261
37	1B22071-CALT	Water	QC	QC				A20K262
38	1B22071-CALU	Water	QC	QC				A20K263
39	1B22071-CALV	Water	QC	QC				A20K264
40	1B22071-CALW	Water	QC	QC				A20K259
41	1B22071-IBL4	Water	QC	QC				
42	1B22071-ICV4	Water	QC	QC				A20K265

**ICAL**

Data Entered By/Date: MJB 2/25/21

Comments: CAL1, 2, A, J, Q had low levels of pesticide stock contamination. Cal points were remade and analyzed within 2 hours of the start of the run. See sequence 1B25056.

Data Reviewed By/Date: MKZ 2/25/2021

Sequence: **1B22071**

Instrument: **DUALECD8**

Date: **02/22/21 18:04**

Calibration: **A1B2503**

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<u>#</u>	<u>Lab Number</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Client</u>	<u>Due</u>	<u>Batch</u>	<u>ISTD ID</u>	<u>STD ID</u>
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A1B2503

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_210222.M  
 Title : Instrument: DualECD8  
 Last Update : Tue Feb 23 15:33:30 2021  
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222154.D
2	2	50	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222138.D
3	3	100	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222139.D
4	4	200	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222140.D
5	5	500	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222141.D
6	6	1000	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222142.D
7	7	2000	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222143.D
8	8	-1	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222124.D
9	9	-1	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222125.D

MJB 2/25/21

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Feb 23 15:32 2021	Feb 23 15:24 2021	23 Feb 2021 14:01
2	2	Feb 23 15:32 2021	Feb 23 10:24 2021	23 Feb 2021 4:22
3	3	Feb 23 15:32 2021	Feb 23 10:25 2021	23 Feb 2021 4:38
4	4	Feb 23 15:33 2021	Feb 23 10:25 2021	23 Feb 2021 4:54
5	5	Feb 23 15:33 2021	Feb 23 09:55 2021	23 Feb 2021 5:10
6	6	Feb 23 15:33 2021	Feb 23 10:26 2021	23 Feb 2021 5:27
7	7	Feb 23 15:33 2021	Feb 23 10:27 2021	23 Feb 2021 5:43
8	8	Feb 23 15:30 2021	Feb 23 10:15 2021	23 Feb 2021 00:35
9	9	Feb 23 15:30 2021	Feb 23 10:15 2021	23 Feb 2021 00:51

ECD8\_QUANTPEST\_210222.M Wed Feb 24 18:26:22 2021

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_210222.M  
 Title : Instrument: DualECD8  
 Last Update : Tue Feb 23 15:33:30 2021  
 Response Via : Initial Calibration

MJB 2/25/21

Calibration Files

1 =ECD8-02222154.D 2 =ECD8-02222138.D 3 =ECD8-02222139.D 4 =ECD8-02222140.D  
 5 =ECD8-02222141.D 6 =ECD8-02222142.D 7 =ECD8-02222143.D 8 =ECD8-02222124.D  
 9 =ECD8-02222125.D

Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD	
1) S TCMX (S)	3.511	3.090	3.285	3.191	3.205	3.184	3.068	3.158	3.164	3.206	E6	4.08
2) a-BHC	4.445	3.881	4.221	4.259	4.314	4.223	4.149	4.379	4.426	4.255	E6	4.05
3) g-BHC	3.748	3.048	3.630	3.591	3.734	3.669	3.652	3.813	3.784	3.630	E6	6.34
4) b-BHC	1.946	1.534	1.556	1.460	1.464	1.468	1.526	1.564	1.557	1.564	E6	9.55
5) Heptachlor	3.685	3.087	3.406	3.450	3.501	3.309	3.373	3.540	3.512	3.429	E6	4.90
6) d-BHC	3.458	2.813	3.280	3.190	3.287	3.369	3.539	3.724	3.724	3.376	E6	8.41
7) Aldrin	3.446	3.003	3.421	3.444	3.539	3.527	3.516	3.542	3.502	3.438	E6	4.92
8) Heptachlor Exp...	3.735	3.126	3.167	3.045	3.084	2.987	3.041	3.130	3.069	3.154	E6	7.13
9) trans-Chlordane	3.554	3.088	3.257	3.121	3.189	3.183	3.119	3.261	3.223	3.221	E6	4.31
10) cis-Chlordane	3.555	3.067	3.215	3.132	3.159	3.078	2.970	3.098	3.097	3.152	E6	5.24
11) Endosulfan I	3.274	2.868	2.964	2.772	2.871	2.798	2.789	2.891	2.873	2.900	E6	5.26
12) 4,4'-DDE	4.200	3.407	3.287	3.229	3.439	3.385	3.363	3.382	3.297	3.443	E6	8.46
13) Dieldrin	3.485	2.975	3.193	3.145	3.258	3.158	3.128	3.164	3.041	3.172	E6	4.52
14) Endrin	2.622	2.264	2.592	2.570	2.700	2.555	2.655	2.749	2.576	2.587	E6	5.31
15) 4,4'-DDD	3.139	2.575	2.602	2.594	2.692	2.676	2.655	2.703	2.722	2.707	E6	6.29
16) Endosulfan II	2.729	2.262	2.508	2.456	2.511	2.517	2.547	2.564	2.552	2.516	E6	4.83
17) 4,4'-DDT	2.560	2.143	2.330	2.302	2.435	2.445	2.528	2.706	2.614	2.451	E6	7.08
18) Endrin Aldehyde	.	.	3.536	2.368	2.390	2.299	2.220	2.296	2.344	2.493	E6	18.58
19) Endosulfan Sul...	2.883	2.314	2.569	2.328	2.531	2.475	2.453	2.507	2.451	2.501	E6	6.66
20) Methoxychlor	1.333	1.092	1.318	1.229	1.258	1.241	1.253	1.268	1.268	1.251	E6	5.48
21) Endrin Ketone	3.428	2.916	3.040	2.809	2.932	2.947	2.859	2.970	2.909	2.979	E6	6.06
22) S DCBP (S)	3.109	2.655	2.431	1.987	2.065	2.040	1.889	1.992	1.796	2.218	E6	19.36
23) Hexachlorobuta...	3.998	3.849	3.479	3.383	3.382	3.257	3.395	3.109	3.436	3.476	E6	8.01
24) Hexachlorobenzene	3.150	3.774	3.213	3.446	3.047	3.136	3.104	3.157	3.315	3.260	E6	6.96
25) Oxychlorane	2.932	3.178	2.655	2.828	2.597	2.625	2.596	2.640	2.767	2.758	E6	7.09
26) 2,4'-DDE	2.386	2.601	2.201	2.369	2.073	2.130	2.107	2.147	2.102	2.235	E6	7.99
27) trans-Nonachlor	3.277	3.696	3.060	3.367	2.980	3.045	3.003	3.120	3.058	3.178	E6	7.32

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_210222.M  
 Title : Instrument: DualECD8  
 Last Update : Tue Feb 23 15:33:30 2021

28)	2,4'-DDD	1.985	2.271	1.842	2.018	1.729	1.799	1.751	1.810	1.849	1.895	E6	9.03
29)	2,4'-DDT	1.889	2.239	1.930	2.076	1.865	1.932	2.009	2.077	2.134	2.017	E6	6.18
30)	cis-Nonachlor	3.312	3.846	3.213	3.596	3.056	3.314	3.117	3.285	3.462	3.356	E6	7.34
31)	Mirex	2.529	2.639	2.166	2.253	1.802	2.006	1.800	1.970	2.022	2.132	E6	13.92
32)	Chlordane (1)	3.436	3.570	3.385	3.304	3.619	3.510	3.661			3.498	E5	3.71
33)	Chlordane (2)	3.741	3.605	3.285	3.349	3.551	3.368	3.435			3.476	E5	4.67
34)	Chlordane (3)	1.049	1.056	1.000	1.009	1.103	1.082	1.084			1.055	E5	3.68
35)	Chlordane - AVE										0.000		-1.00
36)	Toxaphene (1)	1.575	1.736	1.440	1.324	1.396	1.365	1.308			1.449	E4	10.69
37)	Toxaphene (2)	3.312	3.810	2.964	2.931	3.058	2.913	2.730			3.103	E4	11.54
38)	Toxaphene (3)	5.417	6.058	5.610	5.609	5.946	6.033	5.732			5.772	E4	4.25
39)	Toxaphene (4)	6.828	6.462	5.961	6.029	6.290	6.380	6.207			6.308	E4	4.61
40)	Toxaphene (5)	4.001	4.898	4.547	4.767	4.866	5.187	4.996			4.752	E4	8.10
41)	Toxaphene (6)	5.000	5.589	5.305	5.341	5.436	5.622	5.417			5.387	E4	3.85
42)	Toxaphene - AVE										0.000		-1.00

Signal #2 Calibration Files

1	=ECD8-02222154.D	2	=ECD8-02222138.D	3	=ECD8-02222139.D
4	=ECD8-02222140.D	5	=ECD8-02222141.D	6	=ECD8-02222142.D

	Compound	1	2	3	4	5	6	Avg	%RSD				
44)	S TCMX (S) #2	3.721	3.172	3.238	3.155	3.263	3.310	3.361	3.581	3.836	3.404	E6	7.29
45)	a-BHC #2	4.410	3.945	4.013	4.237	4.446	4.601	4.764	5.087	5.282	4.532	E6	10.03
46)	g-BHC #2	3.969	3.438	3.574	3.634	3.817	3.921	3.986	4.334	4.472	3.905	E6	8.71
47)	b-BHC #2	2.279	1.839	1.795	1.659	1.646	1.660	1.697	1.806	1.839	1.802	E6	10.86
48)	Heptachlor #2	3.868	3.366	3.359	3.496	3.597	3.447	3.747	4.093	4.214	3.688	E6	8.53
49)	d-BHC #2	3.862	3.349	3.577	3.603	3.595	3.868	4.056	4.361	4.596	3.874	E6	10.43
50)	Aldrin #2	3.326	3.034	3.252	3.300	3.437	3.620	3.674	3.911	4.100	3.517	E6	9.66
51)	Heptachlor Exp...	3.733	3.174	3.078	3.049	3.089	3.216	3.274	3.577	3.593	3.309	E6	7.77
52)	trans-Chlordan...	3.678	3.099	3.234	3.112	3.236	3.265	3.388	3.575	3.753	3.371	E6	7.21
53)	cis-Chlordane #2	3.671	3.054	3.174	2.959	3.016	3.187	3.143	3.416	3.561	3.242	E6	7.71
54)	Endosulfan I #2	3.329	2.860	2.834	2.743	2.839	3.020	3.013	3.199	3.251	3.010	E6	6.95
55)	4,4'-DDE #2	3.832	3.206	3.177	3.228	3.380	3.542	3.601	3.846	3.820	3.515	E6	7.93
56)	Dieldrin #2	3.429	2.913	3.041	3.025	3.182	3.351	3.420	3.597	3.644	3.289	E6	7.94
57)	Endrin #2	2.610	2.122	2.355	2.415	2.536	2.563	2.734	3.045	3.068	2.605	E6	11.85

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_210222.M  
 Title : Instrument: DualECD8  
 Last Update : Tue Feb 23 15:33:30 2021

58)	4,4'-DDD #2	3.093	2.541	2.608	2.511	2.703	2.814	2.971	3.063	3.124	2.825	E6	8.68
59)	Endosulfan II #2	2.857	2.357	2.553	2.421	2.527	2.695	2.689	2.915	3.022	2.671	E6	8.52
60)	4,4'-DDT #2	2.670	2.175	2.201	2.276	2.393	2.534	2.685	3.019	3.008	2.551	E6	12.58
61)	Endrin Aldehyd...	4.163	3.342	3.403	2.401	2.377	2.374	2.364	2.512	2.603	2.838	E6	22.74
62)	Endosulfan Sul...	3.005	2.422	2.631	2.385	2.557	2.594	2.690	2.860	2.875	2.669	E6	7.88
63)	Methoxychlor #2	1.414	1.184	1.310	1.215	1.253	1.247	1.327	1.462	1.431	1.316	E6	7.63
64)	Endrin Ketone #2	4.565	3.277	2.857	2.649	2.894	3.023	3.022	3.248	3.348	3.209	E6	17.31
65) S	DCBP (S) #2	2.335	1.992	1.961	1.623	1.729	1.824	1.715	1.819	1.708	1.856	E6	11.64
66)	Hexachlorobuta...	4.518	4.234	3.793	3.680	3.822	3.757	4.077	3.861	4.340	4.009	E6	7.38
67)	Hexachlorobenz...	3.564	4.090	3.326	3.521	3.215	3.412	3.567	3.650	3.972	3.591	E6	7.92
68)	Oxychlorthane #2	3.120	3.293	2.732	2.902	2.626	2.793	2.810	3.006	3.177	2.940	E6	7.59
69)	2,4'-DDE #2	2.379	2.528	2.200	2.286	2.067	2.240	2.284	2.441	2.497	2.324	E6	6.45
70)	trans-Nonachlo...	3.526	3.711	3.098	3.372	2.996	3.252	3.206	3.458	3.650	3.363	E6	7.29
71)	2,4'-DDD #2	2.251	2.566	1.940	2.010	1.755	1.946	1.898	2.101	2.198	2.074	E6	11.57
72)	2,4'-DDT #2	2.024	2.379	1.902	2.049	1.797	2.029	2.101	2.250	2.408	2.104	E6	9.79
73)	cis-Nonachlor #2	3.742	3.968	3.277	3.473	3.120	3.489	3.399	3.803	4.030	3.589	E6	8.72
74)	Mirex #2	3.412	2.873	2.218	2.237	1.759	1.975	1.814	2.087	2.176	2.283	E6	23.32
75)	Chlordane (1) #2	3.758	3.814	3.698	3.784	4.313	4.256	4.630			4.036	E5	8.95
76)	Chlordane (2) #2	3.290	3.257	3.069	3.126	3.569	3.623	3.684			3.374	E5	7.37
77)	Chlordane (3) #2	2.092	1.190	1.017	1.024	1.098	1.134	1.151			1.244	E5	30.52
78)	Chlordane - AV...										0.000		-1.00
79)	Toxaphene (1) #2	3.553	3.373	3.107	3.022	3.027	3.069	3.038			3.170	E4	6.59
80)	Toxaphene (2) #2	3.949	3.922	3.725	3.699	3.849	3.990	3.883			3.860	E4	2.87
81)	Toxaphene (3) #2	6.384	5.946	5.410	5.397	5.693	5.869	5.731			5.776	E4	5.89
82)	Toxaphene (4) #2	1.223	0.917	0.903	0.896	0.951	0.993	0.986			0.981	E5	11.54
83)	Toxaphene (5) #2	7.392	6.156	5.204	5.304	5.582	5.757	5.777			5.882	E4	12.54
84)	Toxaphene (6) #2	5.713	5.711	5.401	5.399	5.665	6.068	6.228			5.741	E4	5.44
85)	Toxaphene - AV...										0.000		-1.00

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 (#) = Out of Range

## Compound List Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_210222.M  
 Title : Instrument: DualECD8  
 Last Update : Tue Feb 23 15:33:30 2021  
 Response Via : Initial Calibration

MJB 2/25/21

Total Cpnds : 85

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.675	1.000	A	H	R
2	a-BHC	6.228	1.000	A	H	R
3	g-BHC	6.515	1.000	A	H	R
4	b-BHC	6.593	1.000	A	H	R
5	Heptachlor	6.913	1.000	A	H	R
6	d-BHC	6.746	1.000	A	H	R
7	Aldrin	7.156	1.000	A	H	R
8	Heptachlor Expoxide	7.627	1.000	A	H	R
9	trans-Chlordane	7.720	1.000	A	H	R
10	cis-Chlordane	7.817	1.000	A	H	R
11	Endosulfan I	7.922	1.000	A	H	R
12	4,4'-DDE	7.867	1.000	A	H	R
13	Dieldrin	8.096	1.000	A	H	R
14	Endrin	8.268	1.000	A	H	R
15	4,4'-DDD	8.300	1.000	A	H	R
16	Endosulfan II	8.429	1.000	A	H	R
17	4,4'-DDT	8.497	1.000	A	H	R
18	Endrin Aldehyde	8.727	1.000	Q	H	R
19	Endosulfan Sulfate	9.035	1.000	A	H	R
20	Methoxychlor	8.827	1.000	A	H	R
21	Endrin Ketone	9.237	1.000	A	H	R
22	S DCBP (S)	9.908	1.000	Q	H	R
23	Hexachlorobutadiene	3.463	1.000	A	H	R
24	Hexachlorobenzene	6.062	1.000	A	H	R
25	Oxychlordane	7.550	1.000	A	H	R
26	2,4'-DDE	7.615	1.000	A	H	R
27	trans-Nonachlor	7.804	1.000	A	H	R
28	2,4'-DDD	7.998	1.000	A	H	R
29	2,4'-DDT	8.179	1.000	A	H	R
30	cis-Nonachlor	8.286	1.000	A	H	R
31	Mirex	8.961	1.000	Q	H	R
32	Chlordane (1)	7.720	1.000	A	H	R
33	Chlordane (2)	7.816	1.000	A	H	R
34	Chlordane (3)	8.380	1.000	A	H	R
35	Chlordane - AVE	0.219	1.000	A	H	R
36	Toxaphene (1)	7.802	1.000	Q	H	R
37	Toxaphene (2)	8.100	1.000	Q	H	R
38	Toxaphene (3)	8.422	1.000	A	H	R
39	Toxaphene (4)	8.661	1.000	A	H	R
40	Toxaphene (5)	8.897	1.000	A	H	R
41	Toxaphene (6)	8.968	1.000	A	H	R
42	Toxaphene - AVE	0.219	1.000	A	H	R
43	Signal #2	0.219	1.000	A	H	R
44	S TCMX (S) #2	6.055	1.000	A	H	R
45	a-BHC #2	6.651	1.000	A	H	R
46	g-BHC #2	6.967	1.000	A	H	R
47	b-BHC #2	7.030	1.000	Q	H	R
48	Heptachlor #2	7.341	1.000	A	H	R
49	d-BHC #2	7.280	1.000	Q	H	R
50	Aldrin #2	7.606	1.000	A	H	R
51	Heptachlor Expoxide #2	8.041	1.000	A	H	R
52	trans-Chlordane #2	8.181	1.000	A	H	R
53	cis-Chlordane #2	8.289	1.000	A	H	R
54	Endosulfan I #2	8.340	1.000	A	H	R
55	4,4'-DDE #2	8.389	1.000	A	H	R
56	Dieldrin #2	8.540	1.000	A	H	R

57	Endrin #2	8.765	1.000	. Q	H	R
58	4,4'-DDD #2	8.805	1.000	A	H	R
59	Endosulfan II #2	8.912	1.000	A	H	R
60	4,4'-DDT #2	9.031	1.000	. Q	H	R
61	Endrin Aldehyde #2	9.148	1.000	. Q	H	R
62	Endosulfan Sulfate #2	9.344	1.000	A	H	R
63	Methoxychlor #2	9.500	1.000	A	H	R
64	Endrin Ketone #2	9.741	1.000	. Q	H	R
65	S DCBP (S) #2	10.604	1.000	. Q	H	R
66	Hexachlorobutadiene #2	3.770	1.000	A	H	R
67	Hexachlorobenzene #2	6.519	1.000	A	H	R
68	Oxychlorane #2	7.973	1.000	A	H	R
69	2,4'-DDE #2	8.166	1.000	A	H	R
70	trans-Nonachlor #2	8.248	1.000	A	H	R
71	2,4'-DDD #2	8.540	1.000	. Q	H	R
72	2,4'-DDT #2	8.764	1.000	A	H	R
73	cis-Nonachlor #2	8.812	1.000	A	H	R
74	Mirex #2	9.732	1.000	. Q	H	R
75	Chlordane (1) #2	8.183	1.000	A	H	R
76	Chlordane (2) #2	8.290	1.000	A	H	R
77	Chlordane (3) #2	8.952	1.000	. Q	H	R
78	Chlordane - AVE #2	0.219	1.000	A	H	R
79	Toxaphene (1) #2	8.519	1.000	A	H	R
80	Toxaphene (2) #2	8.871	1.000	A	H	R
81	Toxaphene (3) #2	8.904	1.000	A	H	R
82	Toxaphene (4) #2	8.972	1.000	. Q	H	R
83	Toxaphene (5) #2	9.151	1.000	. Q	H	R
84	Toxaphene (6) #2	9.528	1.000	A	H	R
85	Toxaphene - AVE #2	0.219	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

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 ECD8\_QUANTPEST\_210222.M Wed Feb 24 18:33:07 2021



Calibration Report DUALECD8

Method Path : C:\msdchem\1\methods\  
 Method File : ECD8\_QUANTPEST\_210222.M  
 Title : Instrument: DualECD8  
 Last Update : Tue Feb 23 15:33:30 2021  
 Response Via : Initial Calibration

MJB 2/25/21

Calibration Files

1 =ECD8-02222154 2 =ECD8-02222138 3 =ECD8-02222139 4 =ECD8-02222140 5 =ECD8-0.  
 6 =ECD8-02222142 7 =ECD8-02222143 8 =ECD8-02222124 9 =ECD8-02222125

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.2063 e6	-----	0.0408
2)	a-BHC	Avg	-----	4.2552 e6	-----	0.0405
3)	g-BHC	Avg	-----	3.6300 e6	-----	0.0634
4)	b-BHC	Avg	-----	1.5640 e6	-----	0.0955
5)	Heptachlor	Avg	-----	3.4292 e6	-----	0.0490
6)	d-BHC	Avg	-----	3.3758 e6	-----	0.0841
7)	Aldrin	Avg	-----	3.4377 e6	-----	0.0492
8)	Heptachlor Expoxide	Avg	-----	3.1537 e6	-----	0.0713
9)	trans-Chlordane	Avg	-----	3.2214 e6	-----	0.0431
10)	cis-Chlordane	Avg	-----	3.1522 e6	-----	0.0524
11)	Endosulfan I	Avg	-----	2.8999 e6	-----	0.0526
12)	4,4'-DDE	Avg	-----	3.4432 e6	-----	0.0846
13)	Dieldrin	Avg	-----	3.1720 e6	-----	0.0452
14)	Endrin	Avg	-----	2.5870 e6	-----	0.0531
15)	4,4'-DDD	Avg	-----	2.7065 e6	-----	0.0629
16)	Endosulfan II	Avg	-----	2.5164 e6	-----	0.0483
17)	4,4'-DDT	Avg	-----	2.4515 e6	-----	0.0708
18)	Endrin Aldehyde	Quad	2.7803 e6	2.0578 e6	1.5677 e3	0.9960
19)	Endosulfan Sulfate	Avg	-----	2.5012 e6	-----	0.0666
20)	Methoxychlor	Avg	-----	1.2510 e6	-----	0.0548
21)	Endrin Ketone	Avg	-----	2.9788 e6	-----	0.0606
22) S	DCBP (S)	Quad	5.7168 e5	2.0179 e6	-1.0450 e3	0.9976
23)	Hexachlorobutadiene	Avg	-----	3.4764 e6	-----	0.0801
24)	Hexachlorobenzene	Avg	-----	3.2602 e6	-----	0.0696
25)	Oxychlordane	Avg	-----	2.7575 e6	-----	0.0709
26)	2,4'-DDE	Avg	-----	2.2349 e6	-----	0.0799
27)	trans-Nonachlor	Avg	-----	3.1784 e6	-----	0.0732
28)	2,4'-DDD	Avg	-----	1.8949 e6	-----	0.0903
29)	2,4'-DDT	Avg	-----	2.0169 e6	-----	0.0618
30)	cis-Nonachlor	Avg	-----	3.3556 e6	-----	0.0734
31)	Mirex	Quad	3.5259 e5	1.9839 e6	-9.1411 e1	0.9901
32)	Chlordane (1)	Avg	-----	3.4979 e5	-----	0.0371
33)	Chlordane (2)	Avg	-----	3.4762 e5	-----	0.0467
34)	Chlordane (3)	Avg	-----	1.0549 e5	-----	0.0368
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Quad	1.3629 e4	1.4760 e4	-0.9741	0.9922
37)	Toxaphene (2)	Quad	1.7940 e4	3.2137 e4	-2.6572	0.9905
38)	Toxaphene (3)	Avg	-----	5.7721 e4	-----	0.0425
39)	Toxaphene (4)	Avg	-----	6.3081 e4	-----	0.0461
40)	Toxaphene (5)	Avg	-----	4.7517 e4	-----	0.0810
41)	Toxaphene (6)	Avg	-----	5.3871 e4	-----	0.0385
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.4041 e6	-----	0.0729
2)	a-BHC	Avg	-----	4.5317 e6	-----	0.1003
3)	g-BHC	Avg	-----	3.9050 e6	-----	0.0871
4)	b-BHC	Quad	3.1547 e5	1.6090 e6	1.3171 e3	0.9991
5)	Heptachlor	Avg	-----	3.6876 e6	-----	0.0853
6)	d-BHC	Quad	3.6682 e4	3.6125 e6	5.6225 e3	0.9977
7)	Aldrin	Avg	-----	3.5171 e6	-----	0.0966

8)	Heptachlor Expoxide	Avg	-----	3.3092	e6	-----	0.0777
9)	trans-Chlordane	Avg	-----	3.3711	e6	-----	0.0721
10)	cis-Chlordane	Avg	-----	3.2423	e6	-----	0.0771
11)	Endosulfan I	Avg	-----	3.0097	e6	-----	0.0695
12)	4,4'-DDE	Avg	-----	3.5146	e6	-----	0.0793
13)	Dieldrin	Avg	-----	3.2892	e6	-----	0.0794
14)	Endrin	Quad	-5.6913 e3	2.4401	e6	3.8351 e3	0.9950
15)	4,4'-DDD	Avg	-----	2.8254	e6	-----	0.0868
16)	Endosulfan II	Avg	-----	2.6707	e6	-----	0.0852
17)	4,4'-DDT	Quad	8.5599 e4	2.3275	e6	4.2742 e3	0.9940
18)	Endrin Aldehyde	Quad	9.3842 e5	2.3956	e6	8.6865 e2	0.9902
19)	Endosulfan Sulfate	Avg	-----	2.6687	e6	-----	0.0788
20)	Methoxychlor	Avg	-----	1.3157	e6	-----	0.0763
21)	Endrin Ketone	Quad	8.5671 e5	2.6596	e6	4.1379 e3	0.9940
22) S	DCBP (S)	Quad	3.0449 e5	1.7180	e6	1.6099 e2	0.9972
23)	Hexachlorobutadiene	Avg	-----	4.0092	e6	-----	0.0738
24)	Hexachlorobenzene	Avg	-----	3.5910	e6	-----	0.0792
25)	Oxychlordane	Avg	-----	2.9400	e6	-----	0.0759
26)	2,4'-DDE	Avg	-----	2.3245	e6	-----	0.0645
27)	trans-Nonachlor	Avg	-----	3.3632	e6	-----	0.0729
28)	2,4'-DDD	Quad	2.6789 e5	1.8917	e6	1.5321 e3	0.9900
29)	2,4'-DDT	Avg	-----	2.1042	e6	-----	0.0979
30)	cis-Nonachlor	Avg	-----	3.5890	e6	-----	0.0872
31)	Mirex	Quad	8.1723 e5	1.8656	e6	1.5093 e3	0.9935
32)	Chlordane (1)	Avg	-----	4.0360	e5	-----	0.0895
33)	Chlordane (2)	Avg	-----	3.3738	e5	-----	0.0737
34)	Chlordane (3)	Quad	1.1251 e6	9.5982	e4	1.1086 e1	0.9978
35)	Chlordane - AVE	Avg	-----	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	3.1698	e4	-----	0.0659
37)	Toxaphene (2)	Avg	-----	3.8596	e4	-----	0.0287
38)	Toxaphene (3)	Avg	-----	5.7757	e4	-----	0.0589
39)	Toxaphene (4)	Quad	3.3794 e5	8.7714	e4	6.7771	0.9988
40)	Toxaphene (5)	Quad	2.1057 e5	5.3222	e4	2.5905	0.9978
41)	Toxaphene (6)	Avg	-----	5.7407	e4	-----	0.0544
42)	Toxaphene - AVE	Avg	-----	-----	-----	-----	0.0000

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ECD8\_QUANTPEST\_210222.M Wed Feb 24 18:33:42 2021

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

Calibration Date: **02/25/2021**

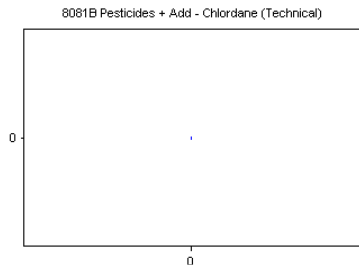
Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### Chlordane (Technical)

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	40	0	0.000	0.00
1B22071-CALK	50	0	0.000	0.00
1B22071-CALL	100	0	0.000	0.00
1B22071-CALM	200	0	0.000	0.00
1B22071-CALN	500	0	0.000	0.00
1B22071-CALO	1000	0	0.000	0.00
1B22071-CALP	2000	0	0.000	0.00

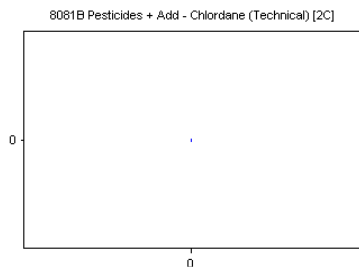


AVE RF **0.000**      RF RSD **0.00**      AVE RT **0.00**

### Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	40	0	0.000	0.00
1B22071-CALK	50	0	0.000	0.00
1B22071-CALL	100	0	0.000	0.00
1B22071-CALM	200	0	0.000	0.00
1B22071-CALN	500	0	0.000	0.00
1B22071-CALO	1000	0	0.000	0.00
1B22071-CALP	2000	0	0.000	0.00

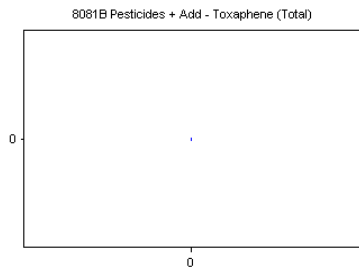


AVE RF **0.000**      RF RSD **0.00**      AVE RT **0.00**

### Toxaphene (Total)

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	40	0	0.000	0.00
1B22071-CALR	50	0	0.000	0.00
1B22071-CALS	100	0	0.000	0.00
1B22071-CALT	200	0	0.000	0.00
1B22071-CALU	500	0	0.000	0.00
1B22071-CALV	1000	0	0.000	0.00
1B22071-CALW	2000	0	0.000	0.00

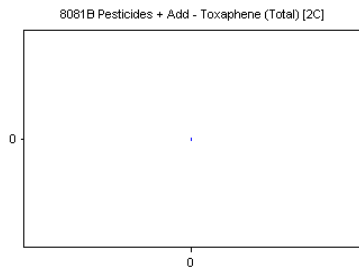


AVE RF **0.000**      RF RSD **0.00**      AVE RT **0.00**

### Toxaphene (Total) [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	40	0	0.000	0.00
1B22071-CALR	50	0	0.000	0.00
1B22071-CALS	100	0	0.000	0.00
1B22071-CALT	200	0	0.000	0.00
1B22071-CALU	500	0	0.000	0.00
1B22071-CALV	1000	0	0.000	0.00
1B22071-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: **A1B2503**

Instrument: **DUALECD8**

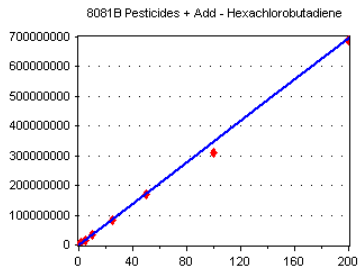
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

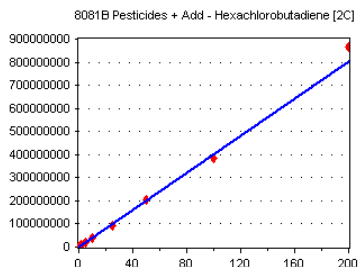


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1999025	3998050.000	3.46
1B22071-CALB	1	3849131	3849131.000	3.46
1B22071-CALC	2	6957604	3478802.000	3.46
1B22071-CALD	5	1.691599E+07	3383198.000	3.46
1B22071-CALE	10	3.381588E+07	3381588.000	3.46
1B22071-CALF	25	8.142518E+07	3257007.000	3.46
1B22071-CALG	50	1.697555E+08	3395110.000	3.46
1B22071-CALH	100	3.108668E+08	3108668.000	3.46
1B22071-CALI	200	6.871244E+08	3435622.000	3.46

**AVE RF 3476353.000 RF RSD 8.01 AVE RT 3.46**

## Hexachlorobutadiene [2C]

Curve Fit: **AVERAGE RF**

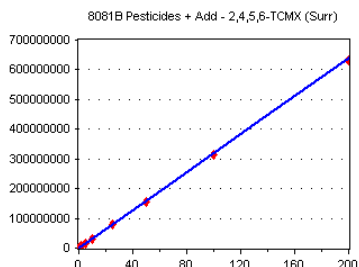


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	2259249	4518498.000	3.77
1B22071-CALB	1	4234435	4234435.000	3.77
1B22071-CALC	2	7585003	3792502.000	3.77
1B22071-CALD	5	1.840019E+07	3680038.000	3.77
1B22071-CALE	10	3.822383E+07	3822383.000	3.77
1B22071-CALF	25	9.392375E+07	3756950.000	3.77
1B22071-CALG	50	2.038499E+08	4076998.000	3.77
1B22071-CALH	100	3.86078E+08	3860780.000	3.77
1B22071-CALI	200	8.679608E+08	4339804.000	3.77

**AVE RF 4009154.000 RF RSD 7.38 AVE RT 3.77**

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

Curve Fit: **AVERAGE RF**

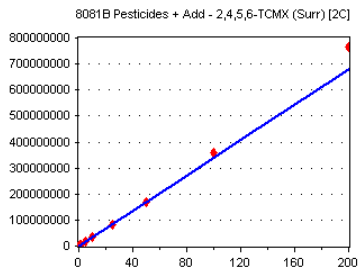


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1755678	3511356.000	5.68
1B25056-CAL2	1	3089516	3089516.000	5.68
1B22071-CAL3	2	6570939	3285470.000	5.68
1B22071-CAL4	5	1.595665E+07	3191330.000	5.68
1B22071-CAL5	10	3.204682E+07	3204682.000	5.68
1B22071-CAL6	25	7.960146E+07	3184058.000	5.68
1B22071-CAL7	50	1.534246E+08	3068492.000	5.68
1B22071-CAL8	100	3.157713E+08	3157713.000	5.68
1B22071-CAL9	200	6.32889E+08	3164445.000	5.68

**AVE RF 3206340.000 RF RSD 4.08 AVE RT 5.68**

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

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1860577	3721154.000	6.06
1B25056-CAL2	1	3171759	3171759.000	6.06
1B22071-CAL3	2	6476248	3238124.000	6.06
1B22071-CAL4	5	1.577542E+07	3155084.000	6.06
1B22071-CAL5	10	3.262864E+07	3262864.000	6.06
1B22071-CAL6	25	8.274807E+07	3309923.000	6.06
1B22071-CAL7	50	1.680616E+08	3361232.000	6.06
1B22071-CAL8	100	3.581295E+08	3581295.000	6.06
1B22071-CAL9	200	7.671029E+08	3835515.000	6.06

**AVE RF 3404105.000 RF RSD 7.29 AVE RT 6.06**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

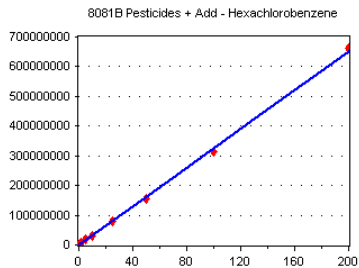
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### Hexachlorobenzene

Curve Fit: **AVERAGE RF**

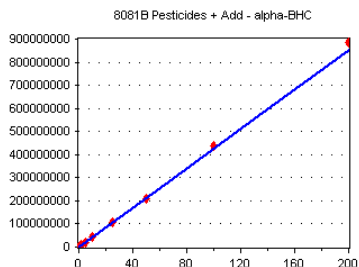


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1575049	3150098.000	6.06
1B22071-CALB	1	3773640	3773640.000	6.06
1B22071-CALC	2	6425966	3212983.000	6.06
1B22071-CALD	5	1.722894E+07	3445788.000	6.06
1B22071-CALE	10	3.046614E+07	3046614.000	6.06
1B22071-CALF	25	7.839708E+07	3135883.000	6.06
1B22071-CALG	50	1.552115E+08	3104230.000	6.06
1B22071-CALH	100	3.157071E+08	3157071.000	6.06
1B22071-CALI	200	6.630677E+08	3315339.000	6.06

**AVE RF** 3260183.000 **RF RSD** 6.96 **AVE RT** 6.06

### alpha-BHC

Curve Fit: **AVERAGE RF**

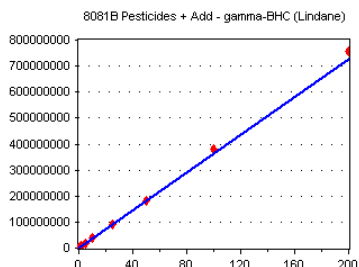


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2222261	4444522.000	6.23
1B25056-CAL2	1	3881163	3881163.000	6.23
1B22071-CAL3	2	8442991	4221496.000	6.23
1B22071-CAL4	5	2.129475E+07	4258950.000	6.23
1B22071-CAL5	10	4.31433E+07	4314330.000	6.23
1B22071-CAL6	25	1.055683E+08	4222732.000	6.23
1B22071-CAL7	50	2.074409E+08	4148818.000	6.23
1B22071-CAL8	100	4.378574E+08	4378574.000	6.23
1B22071-CAL9	200	8.851868E+08	4425934.000	6.23

**AVE RF** 4255169.000 **RF RSD** 4.05 **AVE RT** 6.23

### gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

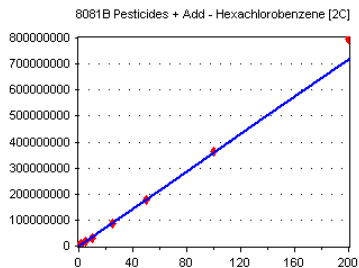


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1874105	3748210.000	6.52
1B25056-CAL2	1	3048133	3048133.000	6.52
1B22071-CAL3	2	7260697	3630349.000	6.52
1B22071-CAL4	5	1.795516E+07	3591032.000	6.52
1B22071-CAL5	10	3.734302E+07	3734302.000	6.52
1B22071-CAL6	25	9.17141E+07	3668564.000	6.52
1B22071-CAL7	50	1.825998E+08	3651996.000	6.52
1B22071-CAL8	100	3.813222E+08	3813222.000	6.52
1B22071-CAL9	200	7.567828E+08	3783914.000	6.52

**AVE RF** 3629969.000 **RF RSD** 6.34 **AVE RT** 6.52

### Hexachlorobenzene [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1782150	3564300.000	6.52
1B22071-CALB	1	4089957	4089957.000	6.52
1B22071-CALC	2	6651598	3325799.000	6.52
1B22071-CALD	5	1.760707E+07	3521414.000	6.52
1B22071-CALE	10	3.215278E+07	3215278.000	6.52
1B22071-CALF	25	8.528963E+07	3411585.000	6.52
1B22071-CALG	50	1.783689E+08	3567378.000	6.52
1B22071-CALH	100	3.65042E+08	3650420.000	6.52
1B22071-CALI	200	7.944868E+08	3972434.000	6.52

**AVE RF** 3590952.000 **RF RSD** 7.92 **AVE RT** 6.52

# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

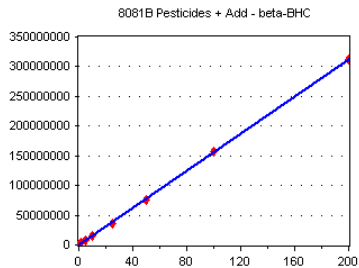
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## beta-BHC

Curve Fit: **AVERAGE RF**

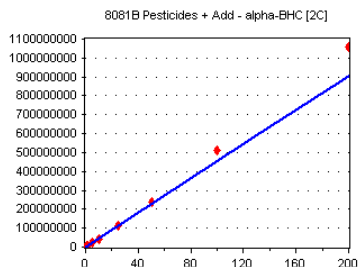


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	972914	1945828.000	6.61
1B25056-CAL2	1	1534080	1534080.000	6.61
1B22071-CAL3	2	3112810	1556405.000	6.60
1B22071-CAL4	5	7300772	1460154.000	6.60
1B22071-CAL5	10	1.463856E+07	1463856.000	6.60
1B22071-CAL6	25	3.669412E+07	1467765.000	6.60
1B22071-CAL7	50	7.630623E+07	1526125.000	6.59
1B22071-CAL8	100	1.56441E+08	1564410.000	6.59
1B22071-CAL9	200	3.114628E+08	1557314.000	6.59

**AVE RF** 1563993.000 **RF RSD** 9.55 **AVE RT** 6.60

## alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

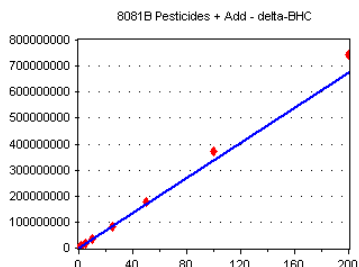


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2204979	4409958.000	6.65
1B25056-CAL2	1	3945238	3945238.000	6.65
1B22071-CAL3	2	8025686	4012843.000	6.65
1B22071-CAL4	5	2.118574E+07	4237148.000	6.65
1B22071-CAL5	10	4.445677E+07	4445677.000	6.65
1B22071-CAL6	25	1.150303E+08	4601212.000	6.65
1B22071-CAL7	50	2.381954E+08	4763908.000	6.65
1B22071-CAL8	100	5.087421E+08	5087421.000	6.65
1B22071-CAL9	200	1.056351E+09	5281755.000	6.65

**AVE RF** 4531684.000 **RF RSD** 10.03 **AVE RT** 6.65

## delta-BHC

Curve Fit: **AVERAGE RF**

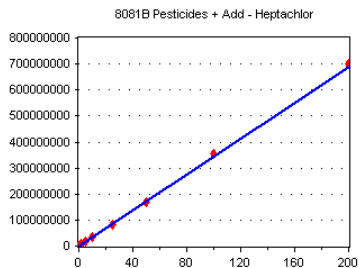


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1728917	3457834.000	6.77
1B25056-CAL2	1	2812527	2812527.000	6.77
1B22071-CAL3	2	6559848	3279924.000	6.75
1B22071-CAL4	5	1.595198E+07	3190396.000	6.75
1B22071-CAL5	10	3.286848E+07	3286848.000	6.75
1B22071-CAL6	25	8.421679E+07	3368672.000	6.75
1B22071-CAL7	50	1.769469E+08	3538938.000	6.75
1B22071-CAL8	100	3.723694E+08	3723694.000	6.75
1B22071-CAL9	200	7.447616E+08	3723808.000	6.75

**AVE RF** 3375849.000 **RF RSD** 8.41 **AVE RT** 6.75

## Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1842639	3685278.000	6.92
1B25056-CAL2	1	3086921	3086921.000	6.92
1B22071-CAL3	2	6812233	3406117.000	6.91
1B22071-CAL4	5	1.72489E+07	3449780.000	6.91
1B22071-CAL5	10	3.500989E+07	3500989.000	6.91
1B22071-CAL6	25	8.271999E+07	3308800.000	6.91
1B22071-CAL7	50	1.68658E+08	3373160.000	6.91
1B22071-CAL8	100	3.539808E+08	3539808.000	6.91
1B22071-CAL9	200	7.023039E+08	3511519.000	6.91

**AVE RF** 3429152.000 **RF RSD** 4.90 **AVE RT** 6.91

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

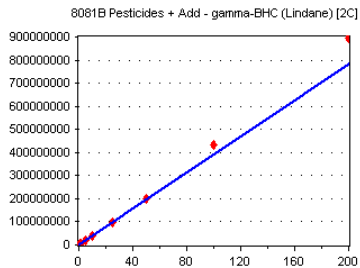
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

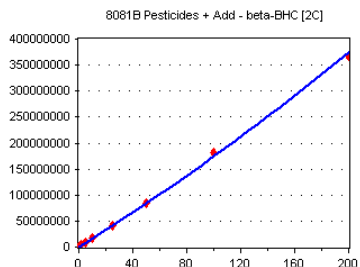


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1984533	3969066.000	6.97
1B25056-CAL2	1	3438052	3438052.000	6.97
1B22071-CAL3	2	7148210	3574105.000	6.97
1B22071-CAL4	5	1.816821E+07	3633642.000	6.97
1B22071-CAL5	10	3.817037E+07	3817037.000	6.97
1B22071-CAL6	25	9.803693E+07	3921477.000	6.97
1B22071-CAL7	50	1.992975E+08	3985950.000	6.97
1B22071-CAL8	100	4.333955E+08	4333955.000	6.97
1B22071-CAL9	200	8.943804E+08	4471902.000	6.97

**AVE RF** 3905021.000 **RF RSD** 8.71 **AVE RT** 6.97

### beta-BHC [2C]

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

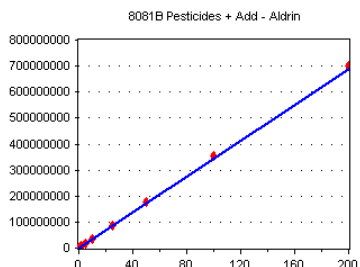


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1139580	2279160.000	7.04
1B25056-CAL2	1	1839198	1839198.000	7.04
1B22071-CAL3	2	3590924	1795462.000	7.03
1B22071-CAL4	5	8296777	1659355.000	7.03
1B22071-CAL5	10	1.646239E+07	1646239.000	7.03
1B22071-CAL6	25	4.150901E+07	1660360.000	7.03
1B22071-CAL7	50	8.484472E+07	1696894.000	7.03
1B22071-CAL8	100	1.805525E+08	1805525.000	7.03
1B22071-CAL9	200	3.678835E+08	1839418.000	7.03

**AVE RF** 1802401.000 **RF RSD** 10.86 **AVE RT** 7.03

### Aldrin

Curve Fit: **AVERAGE RF**

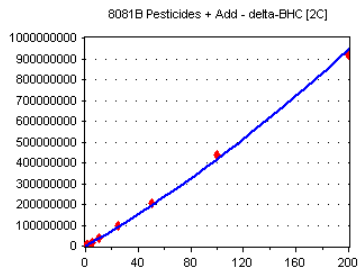


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1722892	3445784.000	7.16
1B25056-CAL2	1	3002594	3002594.000	7.16
1B22071-CAL3	2	6841306	3420653.000	7.16
1B22071-CAL4	5	1.721926E+07	3443852.000	7.16
1B22071-CAL5	10	3.539482E+07	3539482.000	7.16
1B22071-CAL6	25	8.818656E+07	3527463.000	7.16
1B22071-CAL7	50	1.757872E+08	3515744.000	7.16
1B22071-CAL8	100	3.54152E+08	3541520.000	7.16
1B22071-CAL9	200	7.004931E+08	3502466.000	7.16

**AVE RF** 3437729.000 **RF RSD** 4.92 **AVE RT** 7.16

### delta-BHC [2C]

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



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1930864	3861728.000	7.29
1B25056-CAL2	1	3349325	3349325.000	7.29
1B22071-CAL3	2	7153543	3576772.000	7.28
1B22071-CAL4	5	1.801342E+07	3602684.000	7.28
1B22071-CAL5	10	3.595268E+07	3595268.000	7.28
1B22071-CAL6	25	9.67054E+07	3868216.000	7.28
1B22071-CAL7	50	2.028045E+08	4056090.000	7.28
1B22071-CAL8	100	4.36087E+08	4360870.000	7.28
1B22071-CAL9	200	9.192949E+08	4596475.000	7.28

**AVE RF** 3874159.000 **RF RSD** 10.43 **AVE RT** 7.28

# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

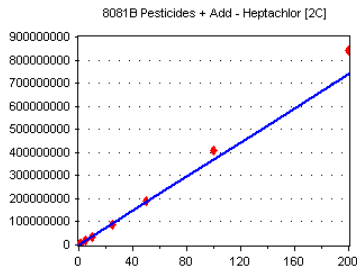
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## Heptachlor [2C]

Curve Fit: **AVERAGE RF**

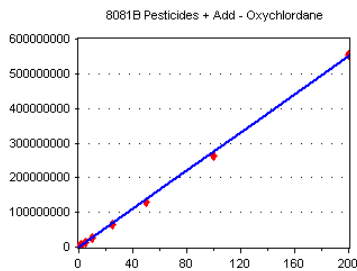


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1933918	3867836.000	7.34
1B25056-CAL2	1	3366411	3366411.000	7.34
1B22071-CAL3	2	6718725	3359363.000	7.34
1B22071-CAL4	5	1.74804E+07	3496080.000	7.34
1B22071-CAL5	10	3.59732E+07	3597320.000	7.34
1B22071-CAL6	25	8.61805E+07	3447220.000	7.34
1B22071-CAL7	50	1.873431E+08	3746862.000	7.34
1B22071-CAL8	100	4.093368E+08	4093368.000	7.34
1B22071-CAL9	200	8.428199E+08	4214100.000	7.34

**AVE RF 3687618.000 RF RSD 8.53 AVE RT 7.34**

## Oxychlorthane

Curve Fit: **AVERAGE RF**

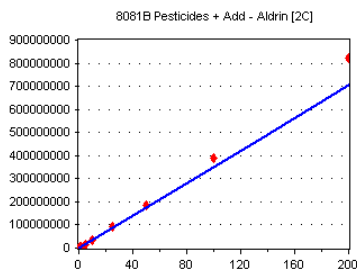


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1465803	2931606.000	7.56
1B22071-CALB	1	3178037	3178037.000	7.55
1B22071-CALC	2	5309909	2654955.000	7.55
1B22071-CALD	5	1.413897E+07	2827794.000	7.55
1B22071-CALE	10	2.596558E+07	2596558.000	7.55
1B22071-CALF	25	6.563221E+07	2625288.000	7.55
1B22071-CALG	50	1.298115E+08	2596230.000	7.55
1B22071-CALH	100	2.639939E+08	2639939.000	7.55
1B22071-CALI	200	5.534472E+08	2767236.000	7.55

**AVE RF 2757516.000 RF RSD 7.09 AVE RT 7.55**

## Aldrin [2C]

Curve Fit: **AVERAGE RF**

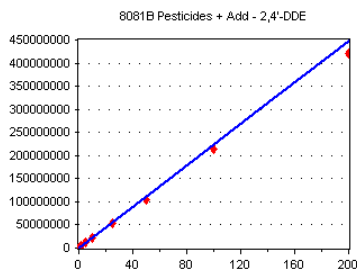


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1662941	3325882.000	7.61
1B25056-CAL2	1	3034328	3034328.000	7.61
1B22071-CAL3	2	6503333	3251667.000	7.61
1B22071-CAL4	5	1.649852E+07	3299704.000	7.61
1B22071-CAL5	10	3.437224E+07	3437224.000	7.61
1B22071-CAL6	25	9.050903E+07	3620361.000	7.61
1B22071-CAL7	50	1.837033E+08	3674066.000	7.61
1B22071-CAL8	100	3.911249E+08	3911249.000	7.61
1B22071-CAL9	200	8.199263E+08	4099631.000	7.61

**AVE RF 3517124.000 RF RSD 9.66 AVE RT 7.61**

## 2,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1192845	2385690.000	7.63
1B22071-CALB	1	2600936	2600936.000	7.62
1B22071-CALC	2	4402205	2201103.000	7.62
1B22071-CALD	5	1.184382E+07	2368764.000	7.62
1B22071-CALE	10	2.072871E+07	2072871.000	7.62
1B22071-CALF	25	5.323787E+07	2129515.000	7.62
1B22071-CALG	50	1.05329E+08	2106580.000	7.62
1B22071-CALH	100	2.147296E+08	2147296.000	7.62
1B22071-CALI	200	4.20319E+08	2101595.000	7.61

**AVE RF 2234928.000 RF RSD 7.99 AVE RT 7.62**



# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

Calibration Date: **02/25/2021**

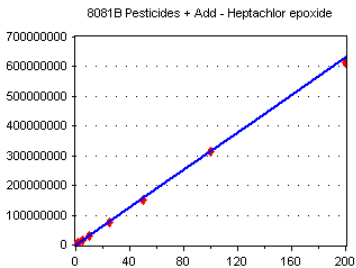
Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## Heptachlor epoxide

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1867692	3735384.000	7.63
1B25056-CAL2	1	3126066	3126066.000	7.63
1B22071-CAL3	2	6334810	3167405.000	7.63
1B22071-CAL4	5	1.522272E+07	3044544.000	7.63
1B22071-CAL5	10	3.084291E+07	3084291.000	7.63
1B22071-CAL6	25	7.466851E+07	2986741.000	7.63
1B22071-CAL7	50	1.520519E+08	3041038.000	7.63
1B22071-CAL8	100	3.129632E+08	3129632.000	7.63
1B22071-CAL9	200	6.137284E+08	3068642.000	7.63

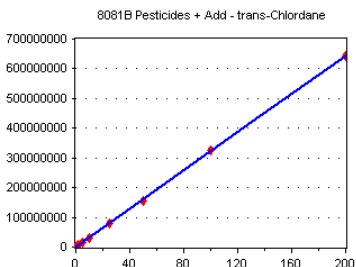


**AVE RF 3153749.000 RF RSD 7.13 AVE RT 7.63**

## trans-Chlordane

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1776814	3553628.000	7.73
1B25056-CAL2	1	3087656	3087656.000	7.73
1B22071-CAL3	2	6514292	3257146.000	7.72
1B22071-CAL4	5	1.560454E+07	3120908.000	7.72
1B22071-CAL5	10	3.18874E+07	3188740.000	7.72
1B22071-CAL6	25	7.956315E+07	3182526.000	7.72
1B22071-CAL7	50	1.559275E+08	3118550.000	7.72
1B22071-CAL8	100	3.260742E+08	3260742.000	7.72
1B22071-CAL9	200	6.445885E+08	3222943.000	7.72

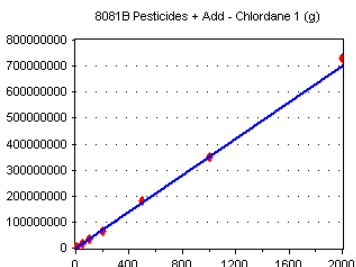


**AVE RF 3221427.000 RF RSD 4.31 AVE RT 7.72**

## Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	3436436	343643.600	7.73
1B22071-CALK	50	1.785142E+07	357028.400	7.72
1B22071-CALL	100	3.385134E+07	338513.400	7.72
1B22071-CALM	200	6.607776E+07	330388.800	7.72
1B22071-CALN	500	1.809313E+08	361862.600	7.72
1B22071-CALO	1000	3.509663E+08	350966.300	7.72
1B22071-CALP	2000	7.322802E+08	366140.100	7.72

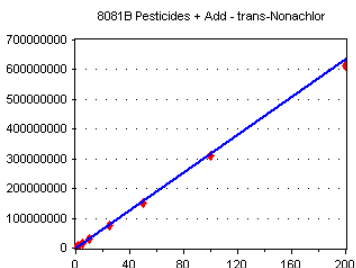


**AVE RF 349791.900 RF RSD 3.71 AVE RT 7.72**

## trans-Nonachlor

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1638252	3276504.000	7.81
1B22071-CALB	1	3695838	3695838.000	7.81
1B22071-CALC	2	6120372	3060186.000	7.81
1B22071-CALD	5	1.683475E+07	3366950.000	7.81
1B22071-CALE	10	2.979843E+07	2979843.000	7.81
1B22071-CALF	25	7.612592E+07	3045037.000	7.81
1B22071-CALG	50	1.501513E+08	3003026.000	7.80
1B22071-CALH	100	3.119667E+08	3119667.000	7.80
1B22071-CALI	200	6.116902E+08	3058451.000	7.80



**AVE RF 3178389.000 RF RSD 7.32 AVE RT 7.81**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

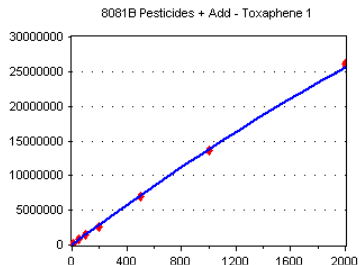
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### Toxaphene 1

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

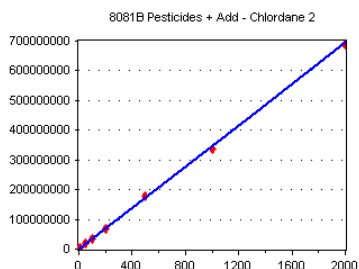


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	157540	15754.000	7.82
1B22071-CALR	50	868189	17363.780	7.82
1B22071-CALS	100	1440138	14401.380	7.81
1B22071-CALT	200	2647827	13239.130	7.80
1B22071-CALU	500	6980111	13960.220	7.80
1B22071-CALV	1000	1.365104E+07	13651.040	7.80
1B22071-CALW	2000	2.616009E+07	13080.040	7.80

AVE RF **14492.800**    RF RSD **10.69**    AVE RT **7.81**

### Chlordane 2

Curve Fit: **AVERAGE RF**

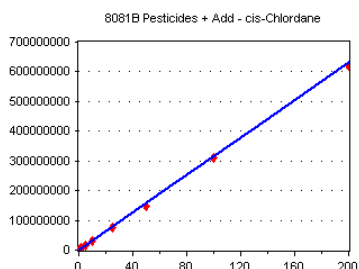


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	3740830	374083.000	7.82
1B22071-CALK	50	1.802384E+07	360476.800	7.82
1B22071-CALL	100	3.285407E+07	328540.700	7.82
1B22071-CALM	200	6.698958E+07	334947.900	7.82
1B22071-CALN	500	1.775276E+08	355055.200	7.82
1B22071-CALO	1000	3.367536E+08	336753.600	7.82
1B22071-CALP	2000	6.869738E+08	343486.900	7.82

AVE RF **347620.600**    RF RSD **4.67**    AVE RT **7.82**

### cis-Chlordane

Curve Fit: **AVERAGE RF**

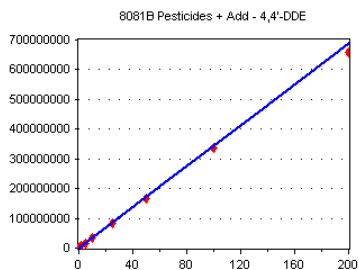


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1777335	3554670.000	7.83
1B25056-CAL2	1	3067156	3067156.000	7.83
1B22071-CAL3	2	6429067	3214534.000	7.82
1B22071-CAL4	5	1.566145E+07	3132290.000	7.82
1B22071-CAL5	10	3.158634E+07	3158634.000	7.82
1B22071-CAL6	25	7.693779E+07	3077512.000	7.82
1B22071-CAL7	50	1.484758E+08	2969516.000	7.82
1B22071-CAL8	100	3.098078E+08	3098078.000	7.82
1B22071-CAL9	200	6.194375E+08	3097188.000	7.82

AVE RF **3152175.000**    RF RSD **5.24**    AVE RT **7.82**

### 4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2099775	4199550.000	7.88
1B25056-CAL2	1	3407128	3407128.000	7.88
1B22071-CAL3	2	6574372	3287186.000	7.87
1B22071-CAL4	5	1.614349E+07	3228698.000	7.87
1B22071-CAL5	10	3.439059E+07	3439059.000	7.87
1B22071-CAL6	25	8.463491E+07	3385397.000	7.87
1B22071-CAL7	50	1.681317E+08	3362634.000	7.87
1B22071-CAL8	100	3.381896E+08	3381896.000	7.87
1B22071-CAL9	200	6.594739E+08	3297370.000	7.87

AVE RF **3443213.000**    RF RSD **8.46**    AVE RT **7.87**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

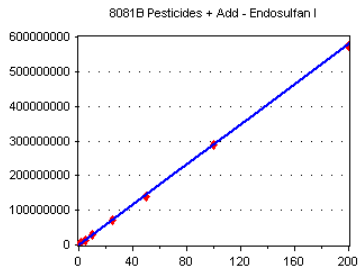
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### Endosulfan I

Curve Fit: **AVERAGE RF**

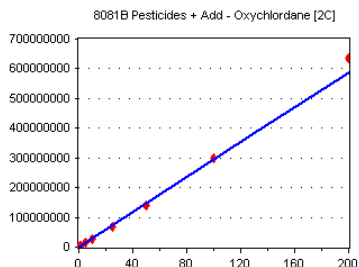


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1637136	3274272.000	7.93
1B25056-CAL2	1	2868001	2868001.000	7.93
1B22071-CAL3	2	5927379	2963690.000	7.93
1B22071-CAL4	5	1.385879E+07	2771758.000	7.93
1B22071-CAL5	10	2.870523E+07	2870523.000	7.92
1B22071-CAL6	25	6.995542E+07	2798217.000	7.92
1B22071-CAL7	50	1.394284E+08	2788568.000	7.92
1B22071-CAL8	100	2.890611E+08	2890611.000	7.93
1B22071-CAL9	200	5.746924E+08	2873462.000	7.92

**AVE RF** 2899900.000 **RF RSD** 5.26 **AVE RT** 7.93

### Oxychlorthane [2C]

Curve Fit: **AVERAGE RF**

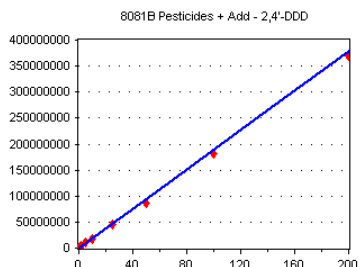


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1560221	3120442.000	7.98
1B22071-CALB	1	3292723	3292723.000	7.97
1B22071-CALC	2	5464605	2732303.000	7.98
1B22071-CALD	5	1.450999E+07	2901998.000	7.97
1B22071-CALE	10	2.626296E+07	2626296.000	7.97
1B22071-CALF	25	6.982074E+07	2792830.000	7.98
1B22071-CALG	50	1.405224E+08	2810448.000	7.97
1B22071-CALH	100	3.005782E+08	3005782.000	7.97
1B22071-CALI	200	6.353535E+08	3176767.000	7.97

**AVE RF** 2939954.000 **RF RSD** 7.59 **AVE RT** 7.97

### 2,4'-DDD

Curve Fit: **AVERAGE RF**

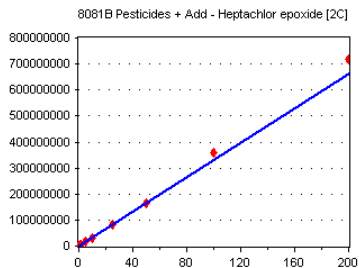


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	992555	1985110.000	8.01
1B22071-CALB	1	2270647	2270647.000	8.00
1B22071-CALC	2	3684063	1842032.000	8.00
1B22071-CALD	5	1.009018E+07	2018036.000	8.00
1B22071-CALE	10	1.72878E+07	1728780.000	8.00
1B22071-CALF	25	4.496505E+07	1798602.000	8.00
1B22071-CALG	50	8.754436E+07	1750887.000	8.00
1B22071-CALH	100	1.810405E+08	1810405.000	8.00
1B22071-CALI	200	3.698488E+08	1849244.000	8.00

**AVE RF** 1894860.000 **RF RSD** 9.03 **AVE RT** 8.00

### Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1866370	3732740.000	8.05
1B25056-CAL2	1	3174485	3174485.000	8.05
1B22071-CAL3	2	6156133	3078067.000	8.04
1B22071-CAL4	5	1.524555E+07	3049110.000	8.04
1B22071-CAL5	10	3.088815E+07	3088815.000	8.04
1B22071-CAL6	25	8.039714E+07	3215886.000	8.04
1B22071-CAL7	50	1.636973E+08	3273946.000	8.04
1B22071-CAL8	100	3.577187E+08	3577187.000	8.04
1B22071-CAL9	200	7.185929E+08	3592965.000	8.04

**AVE RF** 3309244.000 **RF RSD** 7.77 **AVE RT** 8.04

# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

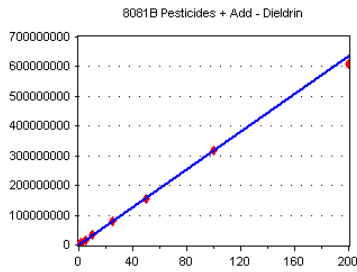
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## Dieldrin

Curve Fit: **AVERAGE RF**

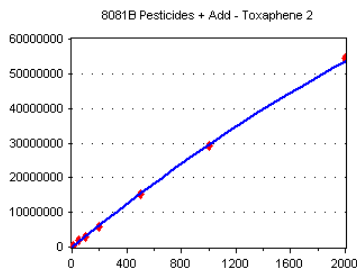


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1742625	3485250.000	8.10
1B25056-CAL2	1	2975189	2975189.000	8.10
1B22071-CAL3	2	6386459	3193230.000	8.10
1B22071-CAL4	5	1.572524E+07	3145048.000	8.10
1B22071-CAL5	10	3.25797E+07	3257970.000	8.10
1B22071-CAL6	25	7.895637E+07	3158255.000	8.10
1B22071-CAL7	50	1.564248E+08	3128496.000	8.10
1B22071-CAL8	100	3.163845E+08	3163845.000	8.10
1B22071-CAL9	200	6.081425E+08	3040713.000	8.10

**AVE RF 3171999.000 RF RSD 4.52 AVE RT 8.10**

## Toxaphene 2

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

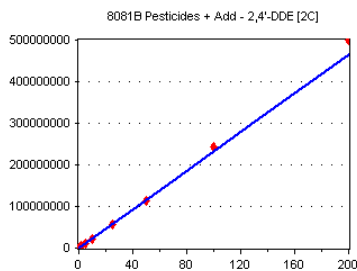


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	331240	33124.000	8.11
1B22071-CALR	50	1904840	38096.800	8.10
1B22071-CALS	100	2964252	29642.520	8.10
1B22071-CALT	200	5861871	29309.360	8.10
1B22071-CALU	500	1.529128E+07	30582.560	8.10
1B22071-CALV	1000	2.913009E+07	29130.090	8.10
1B22071-CALW	2000	5.459988E+07	27299.940	8.10

**AVE RF 31026.470 RF RSD 11.54 AVE RT 8.10**

## 2,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

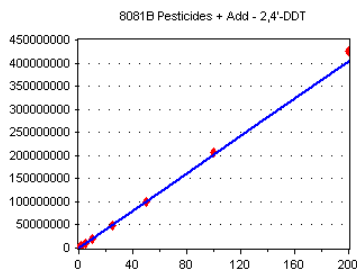


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1189427	2378854.000	8.17
1B22071-CALB	1	2527723	2527723.000	8.17
1B22071-CALC	2	4399052	2199526.000	8.17
1B22071-CALD	5	1.143046E+07	2286092.000	8.17
1B22071-CALE	10	2.066671E+07	2066671.000	8.17
1B22071-CALF	25	5.599922E+07	2239969.000	8.17
1B22071-CALG	50	1.141786E+08	2283572.000	8.17
1B22071-CALH	100	2.440938E+08	2440938.000	8.17
1B22071-CALI	200	4.993529E+08	2496765.000	8.17

**AVE RF 2324457.000 RF RSD 6.45 AVE RT 8.17**

## 2,4'-DDT

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	944593	1889186.000	8.19
1B22071-CALB	1	2238924	2238924.000	8.18
1B22071-CALC	2	3860272	1930136.000	8.18
1B22071-CALD	5	1.038022E+07	2076044.000	8.18
1B22071-CALE	10	1.864705E+07	1864705.000	8.18
1B22071-CALF	25	4.83113E+07	1932452.000	8.18
1B22071-CALG	50	1.004603E+08	2009206.000	8.18
1B22071-CALH	100	2.077409E+08	2077409.000	8.18
1B22071-CALI	200	4.268716E+08	2134358.000	8.18

**AVE RF 2016936.000 RF RSD 6.18 AVE RT 8.18**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

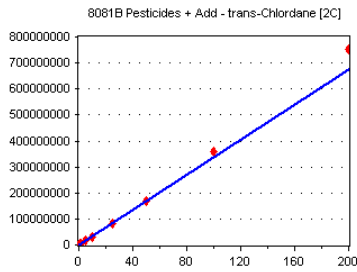
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

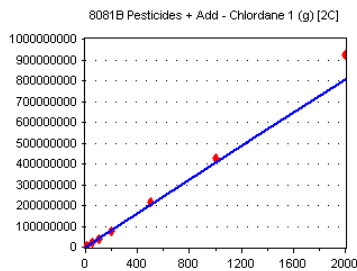


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1838997	3677994.000	8.19
1B25056-CAL2	1	3098627	3098627.000	8.19
1B22071-CAL3	2	6467548	3233774.000	8.18
1B22071-CAL4	5	1.555948E+07	3111896.000	8.18
1B22071-CAL5	10	3.235508E+07	3235508.000	8.18
1B22071-CAL6	25	8.163742E+07	3265497.000	8.18
1B22071-CAL7	50	1.694188E+08	3388376.000	8.18
1B22071-CAL8	100	3.575058E+08	3575058.000	8.18
1B22071-CAL9	200	7.506977E+08	3753489.000	8.18

**AVE RF 3371135.000 RF RSD 7.21 AVE RT 8.18**

### Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

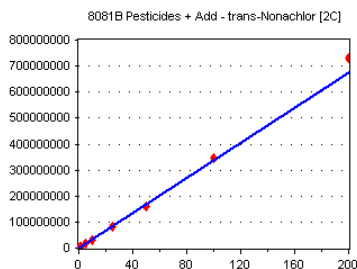


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	3757800	375780.000	8.19
1B22071-CALK	50	1.907042E+07	381408.400	8.18
1B22071-CALL	100	3.697764E+07	369776.400	8.18
1B22071-CALM	200	7.567631E+07	378381.600	8.18
1B22071-CALN	500	2.156383E+08	431276.600	8.18
1B22071-CALO	1000	4.256286E+08	425628.600	8.18
1B22071-CALP	2000	9.259378E+08	462968.900	8.18

**AVE RF 403602.900 RF RSD 8.95 AVE RT 8.18**

### trans-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

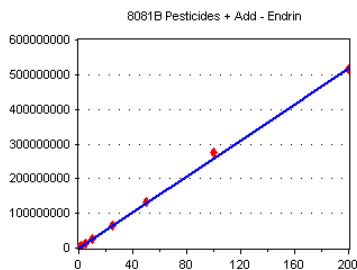


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1762762	3525524.000	8.25
1B22071-CALB	1	3710614	3710614.000	8.25
1B22071-CALC	2	6195556	3097778.000	8.25
1B22071-CALD	5	1.686242E+07	3372484.000	8.25
1B22071-CALE	10	2.996066E+07	2996066.000	8.25
1B22071-CALF	25	8.130408E+07	3252163.000	8.25
1B22071-CALG	50	1.602859E+08	3205718.000	8.25
1B22071-CALH	100	3.457971E+08	3457971.000	8.25
1B22071-CALI	200	7.300613E+08	3650307.000	8.25

**AVE RF 3363181.000 RF RSD 7.29 AVE RT 8.25**

### Endrin

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1311200	2622400.000	8.27
1B25056-CAL2	1	2263795	2263795.000	8.27
1B22071-CAL3	2	5184256	2592128.000	8.27
1B22071-CAL4	5	1.284863E+07	2569726.000	8.27
1B22071-CAL5	10	2.699846E+07	2699846.000	8.27
1B22071-CAL6	25	6.3883E+07	2555320.000	8.27
1B22071-CAL7	50	1.327333E+08	2654666.000	8.27
1B22071-CAL8	100	2.749307E+08	2749307.000	8.27
1B22071-CAL9	200	5.151538E+08	2575769.000	8.27

**AVE RF 2586995.000 RF RSD 5.31 AVE RT 8.27**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

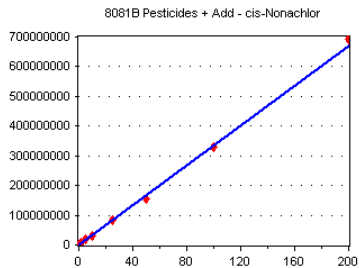
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### cis-Nonachlor

Curve Fit: **AVERAGE RF**

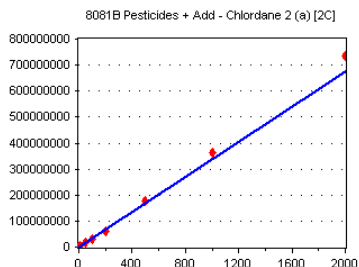


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1656148	3312296.000	8.29
1B22071-CALB	1	3845722	3845722.000	8.29
1B22071-CALC	2	6425104	3212552.000	8.29
1B22071-CALD	5	1.798228E+07	3596456.000	8.29
1B22071-CALE	10	3.055717E+07	3055717.000	8.29
1B22071-CALF	25	8.285383E+07	3314153.000	8.29
1B22071-CALG	50	1.558314E+08	3116628.000	8.29
1B22071-CALH	100	3.285279E+08	3285279.000	8.29
1B22071-CALI	200	6.924074E+08	3462037.000	8.29

**AVE RF 3355649.000 RF RSD 7.34 AVE RT 8.29**

### Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

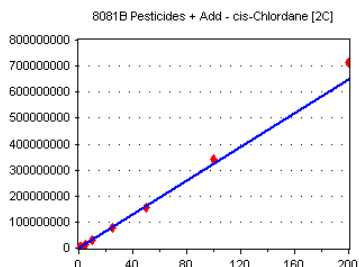


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	3289778	328977.800	8.29
1B22071-CALK	50	1.628372E+07	325674.400	8.29
1B22071-CALL	100	3.068983E+07	306898.300	8.29
1B22071-CALM	200	6.251284E+07	312564.200	8.29
1B22071-CALN	500	1.784381E+08	356876.200	8.29
1B22071-CALO	1000	3.622618E+08	362261.800	8.29
1B22071-CALP	2000	7.367726E+08	368386.300	8.29

**AVE RF 337377.000 RF RSD 7.37 AVE RT 8.29**

### cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

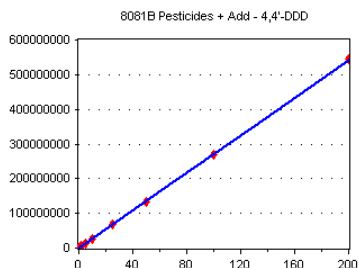


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1835270	3670540.000	8.29
1B25056-CAL2	1	3054425	3054425.000	8.29
1B22071-CAL3	2	6347411	3173706.000	8.29
1B22071-CAL4	5	1.479742E+07	2959484.000	8.29
1B22071-CAL5	10	3.015592E+07	3015592.000	8.29
1B22071-CAL6	25	7.967949E+07	3187180.000	8.29
1B22071-CAL7	50	1.57129E+08	3142580.000	8.29
1B22071-CAL8	100	3.416124E+08	3416124.000	8.29
1B22071-CAL9	200	7.121729E+08	3560865.000	8.29

**AVE RF 3242277.000 RF RSD 7.71 AVE RT 8.29**

### 4,4'-DDD

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1569408	3138816.000	8.31
1B25056-CAL2	1	2575075	2575075.000	8.31
1B22071-CAL3	2	5204597	2602299.000	8.30
1B22071-CAL4	5	1.297183E+07	2594366.000	8.30
1B22071-CAL5	10	2.691737E+07	2691737.000	8.30
1B22071-CAL6	25	6.691172E+07	2676469.000	8.30
1B22071-CAL7	50	1.327622E+08	2655244.000	8.30
1B22071-CAL8	100	2.702592E+08	2702592.000	8.30
1B22071-CAL9	200	5.444418E+08	2722209.000	8.30

**AVE RF 2706534.000 RF RSD 6.29 AVE RT 8.30**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

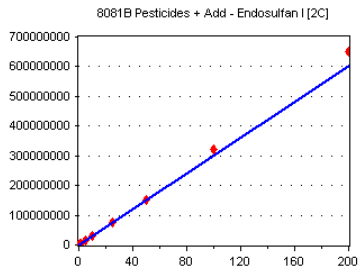
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

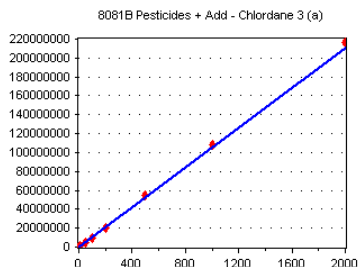


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1664447	3328894.000	8.34
1B25056-CAL2	1	2860014	2860014.000	8.34
1B22071-CAL3	2	5667008	2833504.000	8.34
1B22071-CAL4	5	1.371698E+07	2743396.000	8.34
1B22071-CAL5	10	2.838934E+07	2838934.000	8.34
1B22071-CAL6	25	7.549506E+07	3019802.000	8.34
1B22071-CAL7	50	1.506294E+08	3012588.000	8.34
1B22071-CAL8	100	3.19939E+08	3199390.000	8.34
1B22071-CAL9	200	6.502413E+08	3251207.000	8.34

**AVE RF** 3009748.000 **RF RSD** 6.95 **AVE RT** 8.34

### Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

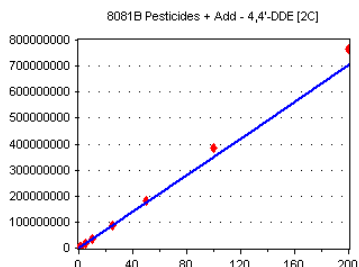


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	1049375	104937.500	8.39
1B22071-CALK	50	5278298	105566.000	8.38
1B22071-CALL	100	1.000239E+07	100023.900	8.38
1B22071-CALM	200	2.018962E+07	100948.100	8.38
1B22071-CALN	500	5.517166E+07	110343.300	8.38
1B22071-CALO	1000	1.082391E+08	108239.100	8.38
1B22071-CALP	2000	2.16814E+08	108407.000	8.38

**AVE RF** 105495.000 **RF RSD** 3.68 **AVE RT** 8.38

### 4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

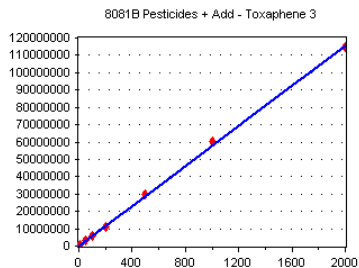


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1915941	3831882.000	8.39
1B25056-CAL2	1	3205556	3205556.000	8.39
1B22071-CAL3	2	6353008	3176504.000	8.39
1B22071-CAL4	5	1.614036E+07	3228072.000	8.39
1B22071-CAL5	10	3.379726E+07	3379726.000	8.39
1B22071-CAL6	25	8.85619E+07	3542476.000	8.39
1B22071-CAL7	50	1.8006E+08	3601200.000	8.39
1B22071-CAL8	100	3.846072E+08	3846072.000	8.39
1B22071-CAL9	200	7.640043E+08	3820022.000	8.39

**AVE RF** 3514612.000 **RF RSD** 7.93 **AVE RT** 8.39

### Toxaphene 3

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	541688	54168.800	8.43
1B22071-CALR	50	3029220	60584.400	8.42
1B22071-CALS	100	5609870	56098.700	8.42
1B22071-CALT	200	1.121736E+07	56086.800	8.42
1B22071-CALU	500	2.973082E+07	59461.640	8.42
1B22071-CALV	1000	6.032937E+07	60329.370	8.42
1B22071-CALW	2000	1.146366E+08	57318.300	8.42

**AVE RF** 57721.140 **RF RSD** 4.25 **AVE RT** 8.42

# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

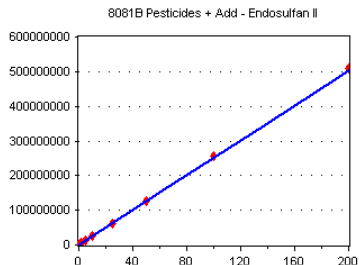
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## Endosulfan II

Curve Fit: **AVERAGE RF**

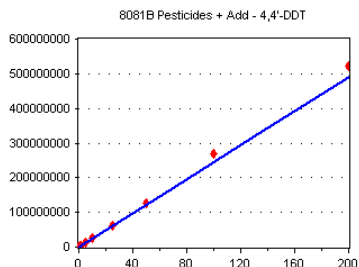


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1364741	2729482.000	8.44
1B25056-CAL2	1	2262321	2262321.000	8.44
1B22071-CAL3	2	5015784	2507892.000	8.43
1B22071-CAL4	5	1.22812E+07	2456240.000	8.43
1B22071-CAL5	10	2.511307E+07	2511307.000	8.43
1B22071-CAL6	25	6.292866E+07	2517147.000	8.43
1B22071-CAL7	50	1.273372E+08	2546744.000	8.43
1B22071-CAL8	100	2.564174E+08	2564174.000	8.43
1B22071-CAL9	200	5.104964E+08	2552482.000	8.43

**AVE RF 2516421.000 RF RSD 4.83 AVE RT 8.43**

## 4,4'-DDT

Curve Fit: **AVERAGE RF**

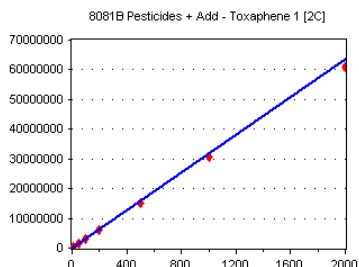


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1280117	2560234.000	8.51
1B25056-CAL2	1	2143263	2143263.000	8.51
1B22071-CAL3	2	4659787	2329894.000	8.50
1B22071-CAL4	5	1.150853E+07	2301706.000	8.50
1B22071-CAL5	10	2.435281E+07	2435281.000	8.50
1B22071-CAL6	25	6.113225E+07	2445290.000	8.50
1B22071-CAL7	50	1.263936E+08	2527872.000	8.50
1B22071-CAL8	100	2.70587E+08	2705870.000	8.50
1B22071-CAL9	200	5.227832E+08	2613916.000	8.50

**AVE RF 2451481.000 RF RSD 7.08 AVE RT 8.50**

## Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

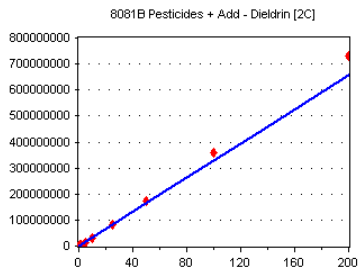


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	355295	35529.500	8.52
1B22071-CALR	50	1686629	33732.580	8.52
1B22071-CALS	100	3106543	31065.430	8.52
1B22071-CALT	200	6044247	30221.230	8.52
1B22071-CALU	500	1.513685E+07	30273.700	8.52
1B22071-CALV	1000	3.06888E+07	30688.800	8.52
1B22071-CALW	2000	6.075406E+07	30377.030	8.52

**AVE RF 31698.330 RF RSD 6.59 AVE RT 8.52**

## Dieldrin [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1714474	3428948.000	8.54
1B25056-CAL2	1	2913255	2913255.000	8.54
1B22071-CAL3	2	6082740	3041370.000	8.54
1B22071-CAL4	5	1.512373E+07	3024746.000	8.54
1B22071-CAL5	10	3.181897E+07	3181897.000	8.54
1B22071-CAL6	25	8.377977E+07	3351191.000	8.54
1B22071-CAL7	50	1.710246E+08	3420492.000	8.54
1B22071-CAL8	100	3.597362E+08	3597362.000	8.54
1B22071-CAL9	200	7.287231E+08	3643615.000	8.54

**AVE RF 3289208.000 RF RSD 7.94 AVE RT 8.54**



# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

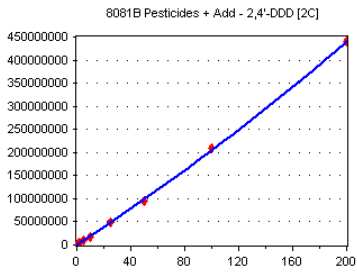
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## 2,4'-DDD [2C]

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

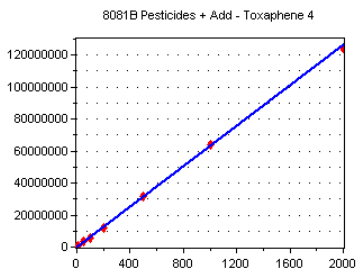


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1125638	2251276.000	8.55
1B22071-CALB	1	2566323	2566323.000	8.54
1B22071-CALC	2	3880927	1940464.000	8.54
1B22071-CALD	5	1.005104E+07	2010208.000	8.54
1B22071-CALE	10	1.755197E+07	1755197.000	8.54
1B22071-CALF	25	4.863862E+07	1945545.000	8.54
1B22071-CALG	50	9.491444E+07	1898289.000	8.54
1B22071-CALH	100	2.101131E+08	2101131.000	8.54
1B22071-CALI	200	4.395389E+08	2197695.000	8.54

**AVE RF** 2074014.000 **RF RSD** 11.57 **AVE RT** 8.54

## Toxaphene 4

Curve Fit: **AVERAGE RF**

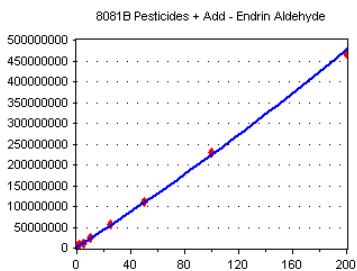


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	682782	68278.200	8.67
1B22071-CALR	50	3231157	64623.140	8.66
1B22071-CALS	100	5961327	59613.270	8.66
1B22071-CALT	200	1.205706E+07	60285.300	8.66
1B22071-CALU	500	3.14519E+07	62903.800	8.66
1B22071-CALV	1000	6.379726E+07	63797.260	8.66
1B22071-CALW	2000	1.241306E+08	62065.300	8.66

**AVE RF** 63080.900 **RF RSD** 4.61 **AVE RT** 8.66

## Endrin Aldehyde

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

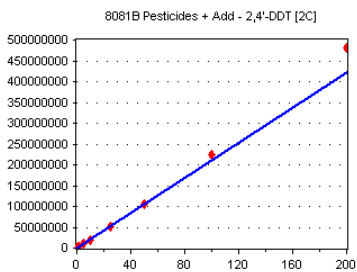


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2068224	4136442.000	8.74
1B25056-CAL2	4	3391517	3391517.000	8.74
1B22071-CAL3	2	7072015	3536008.000	8.73
1B22071-CAL4	5	1.183912E+07	2367824.000	8.73
1B22071-CAL5	10	2.389545E+07	2389545.000	8.73
1B22071-CAL6	25	5.748063E+07	2299225.000	8.73
1B22071-CAL7	50	1.109861E+08	2219722.000	8.73
1B22071-CAL8	100	2.296063E+08	2296063.000	8.73
1B22071-CAL9	200	4.687347E+08	2343674.000	8.73

**AVE RF** 2493151.000 **RF RSD** 18.58 **AVE RT** 8.73

## 2,4'-DDT [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1012093	2024186.000	8.77
1B22071-CALB	1	2378708	2378708.000	8.77
1B22071-CALC	2	3803369	1901685.000	8.77
1B22071-CALD	5	1.024344E+07	2048688.000	8.76
1B22071-CALE	10	1.796933E+07	1796933.000	8.76
1B22071-CALF	25	5.07368E+07	2029472.000	8.77
1B22071-CALG	50	1.0504E+08	2100800.000	8.77
1B22071-CALH	100	2.249728E+08	2249728.000	8.77
1B22071-CALI	200	4.815787E+08	2407894.000	8.77

**AVE RF** 2104233.000 **RF RSD** 9.79 **AVE RT** 8.77

# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

Calibration Date: **02/25/2021**

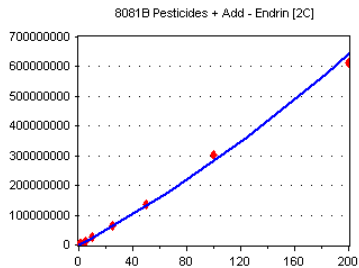
Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## Endrin [2C]

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

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1305037	2610074.000	8.77
1B25056-CAL2	1	2122366	2122366.000	8.77
1B22071-CAL3	2	4710797	2355399.000	8.77
1B22071-CAL4	5	1.207404E+07	2414808.000	8.77
1B22071-CAL5	10	2.535882E+07	2535882.000	8.77
1B22071-CAL6	25	6.40652E+07	2562608.000	8.77
1B22071-CAL7	50	1.367109E+08	2734218.000	8.77
1B22071-CAL8	100	3.04506E+08	3045060.000	8.77
1B22071-CAL9	200	6.135169E+08	3067585.000	8.77

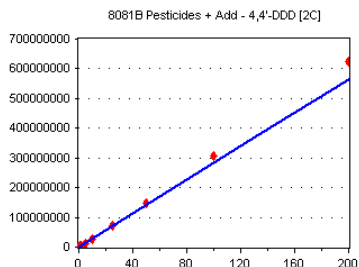


**AVE RF 2605333.000 RF RSD 11.85 AVE RT 8.77**

## 4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1546397	3092794.000	8.81
1B25056-CAL2	1	2541451	2541451.000	8.81
1B22071-CAL3	2	5215526	2607763.000	8.81
1B22071-CAL4	5	1.255352E+07	2510704.000	8.81
1B22071-CAL5	10	2.702861E+07	2702861.000	8.81
1B22071-CAL6	25	7.035088E+07	2814035.000	8.81
1B22071-CAL7	50	1.485687E+08	2971374.000	8.81
1B22071-CAL8	100	3.063072E+08	3063072.000	8.81
1B22071-CAL9	200	6.248237E+08	3124119.000	8.81

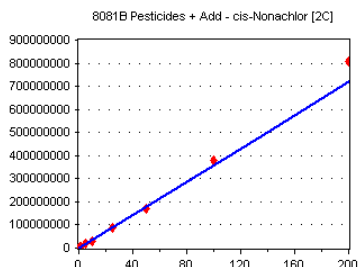


**AVE RF 2825353.000 RF RSD 8.68 AVE RT 8.81**

## cis-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1870927	3741854.000	8.82
1B22071-CALB	1	3967974	3967974.000	8.81
1B22071-CALC	2	6554264	3277132.000	8.81
1B22071-CALD	5	1.736612E+07	3473224.000	8.81
1B22071-CALE	10	3.119877E+07	3119877.000	8.81
1B22071-CALF	25	8.722939E+07	3489176.000	8.82
1B22071-CALG	50	1.69943E+08	3398860.000	8.81
1B22071-CALH	100	3.803238E+08	3803238.000	8.81
1B22071-CALI	200	8.059818E+08	4029909.000	8.81

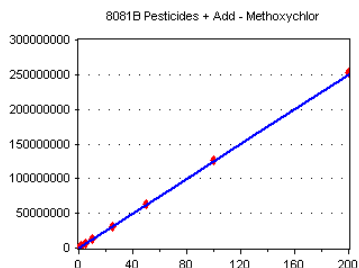


**AVE RF 3589027.000 RF RSD 8.72 AVE RT 8.81**

## Methoxychlor

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	666585	1333170.000	8.84
1B25056-CAL2	1	1092433	1092433.000	8.84
1B22071-CAL3	2	2635891	1317946.000	8.83
1B22071-CAL4	5	6142820	1228564.000	8.83
1B22071-CAL5	10	1.258334E+07	1258334.000	8.83
1B22071-CAL6	25	3.10164E+07	1240656.000	8.83
1B22071-CAL7	50	6.264276E+07	1252855.000	8.83
1B22071-CAL8	100	1.267563E+08	1267563.000	8.83
1B22071-CAL9	200	2.535282E+08	1267641.000	8.83



**AVE RF 1251018.000 RF RSD 5.48 AVE RT 8.83**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

Calibration Date: **02/25/2021**

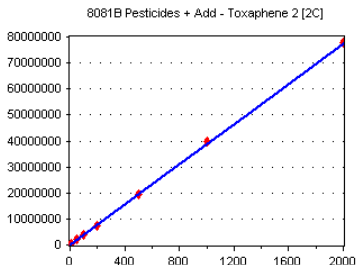
Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	394935	39493.500	8.88
1B22071-CALR	50	1961244	39224.880	8.87
1B22071-CALS	100	3725171	37251.710	8.87
1B22071-CALT	200	7397244	36986.220	8.87
1B22071-CALU	500	1.924653E+07	38493.060	8.87
1B22071-CALV	1000	3.989589E+07	39895.890	8.87
1B22071-CALW	2000	7.765782E+07	38828.910	8.87

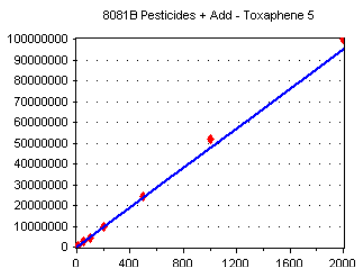


**AVE RF** 38596.310    **RF RSD** 2.87    **AVE RT** 8.87

### Toxaphene 5

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	400097	40009.700	8.90
1B22071-CALR	50	2449110	48982.200	8.90
1B22071-CALS	100	4547161	45471.610	8.90
1B22071-CALT	200	9534372	47671.860	8.90
1B22071-CALU	500	2.432969E+07	48659.380	8.90
1B22071-CALV	1000	5.187006E+07	51870.060	8.90
1B22071-CALW	2000	9.991326E+07	49956.630	8.90

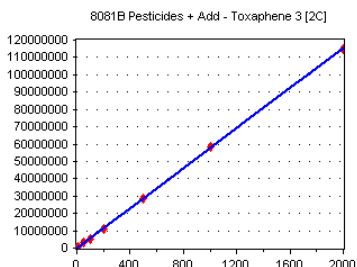


**AVE RF** 47517.350    **RF RSD** 8.10    **AVE RT** 8.90

### Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	638427	63842.700	8.91
1B22071-CALR	50	2972853	59457.060	8.91
1B22071-CALS	100	5410474	54104.740	8.91
1B22071-CALT	200	1.079332E+07	53966.600	8.90
1B22071-CALU	500	2.846282E+07	56925.640	8.90
1B22071-CALV	1000	5.869122E+07	58691.220	8.90
1B22071-CALW	2000	1.146266E+08	57313.300	8.90

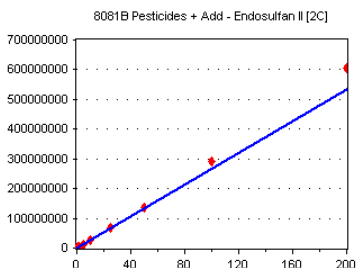


**AVE RF** 57757.320    **RF RSD** 5.89    **AVE RT** 8.90

### Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1428372	2856744.000	8.92
1B25056-CAL2	1	2356801	2356801.000	8.92
1B22071-CAL3	2	5106823	2553412.000	8.91
1B22071-CAL4	5	1.210532E+07	2421064.000	8.92
1B22071-CAL5	10	2.526932E+07	2526932.000	8.91
1B22071-CAL6	25	6.736833E+07	2694733.000	8.91
1B22071-CAL7	50	1.344712E+08	2689424.000	8.91
1B22071-CAL8	100	2.915134E+08	2915134.000	8.91
1B22071-CAL9	200	6.043981E+08	3021991.000	8.91



**AVE RF** 2670693.000    **RF RSD** 8.52    **AVE RT** 8.91

# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

Calibration Date: **02/25/2021**

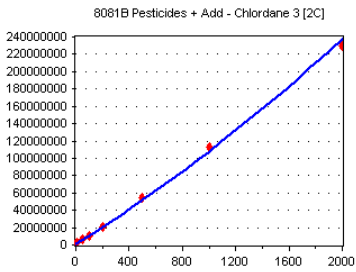
Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## Chlordane 3 [2C]

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

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	2092022	209202.200	8.96
1B22071-CALK	50	5948956	118979.100	8.95
1B22071-CALL	100	1.016566E+07	101656.600	8.95
1B22071-CALM	200	2.047391E+07	102369.500	8.95
1B22071-CALN	500	5.491346E+07	109826.900	8.95
1B22071-CALO	1000	1.133639E+08	113363.900	8.95
1B22071-CALP	2000	2.301942E+08	115097.100	8.95

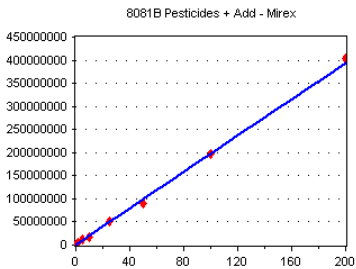


**AVE RF** 124356.500    **RF RSD** 30.52    **AVE RT** 8.95

## Mirex

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

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1264305	2528610.000	8.97
1B22071-CALB	1	2639289	2639289.000	8.96
1B22071-CALC	2	4332283	2166142.000	8.96
1B22071-CALD	5	1.126488E+07	2252976.000	8.96
1B22071-CALE	10	1.801585E+07	1801585.000	8.96
1B22071-CALF	25	5.014785E+07	2005914.000	8.97
1B22071-CALG	50	8.998181E+07	1799636.000	8.96
1B22071-CALH	100	1.969632E+08	1969632.000	8.96
1B22071-CALI	200	4.043692E+08	2021846.000	8.96

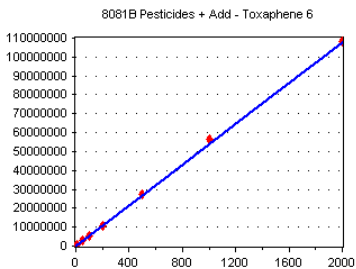


**AVE RF** 2131737.000    **RF RSD** 13.92    **AVE RT** 8.96

## Toxaphene 6

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	499987	49998.700	8.98
1B22071-CALR	50	2794370	55887.400	8.97
1B22071-CALS	100	5305290	53052.900	8.97
1B22071-CALT	200	1.068295E+07	53414.750	8.97
1B22071-CALU	500	2.71785E+07	54357.000	8.97
1B22071-CALV	1000	5.621787E+07	56217.870	8.97
1B22071-CALW	2000	1.083424E+08	54171.200	8.97

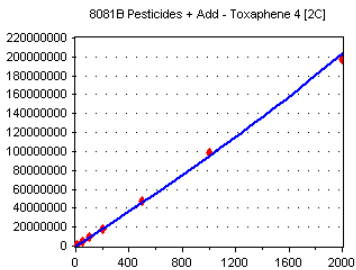


**AVE RF** 53871.400    **RF RSD** 3.85    **AVE RT** 8.97

## Toxaphene 4 [2C]

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

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	1223038	122303.800	8.97
1B22071-CALR	50	4585121	91702.420	8.97
1B22071-CALS	100	9030733	90307.330	8.97
1B22071-CALT	200	1.792537E+07	89626.850	8.97
1B22071-CALU	500	4.755653E+07	95113.050	8.97
1B22071-CALV	1000	9.926321E+07	99263.210	8.97
1B22071-CALW	2000	1.97295E+08	98647.510	8.97



**AVE RF** 98137.740    **RF RSD** 11.54    **AVE RT** 8.97

# Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

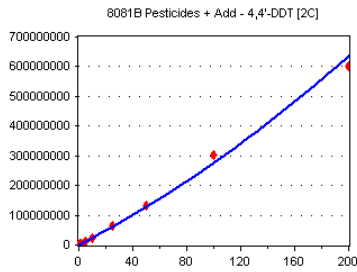
Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

## 4,4'-DDT [2C]

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

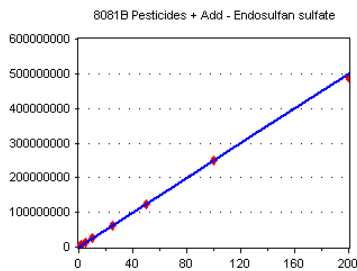


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1335145	2670290.000	9.04
1B25056-CAL2	1	2175483	2175483.000	9.04
1B22071-CAL3	2	4402871	2201436.000	9.03
1B22071-CAL4	5	1.137865E+07	2275730.000	9.03
1B22071-CAL5	10	2.392851E+07	2392851.000	9.03
1B22071-CAL6	25	6.335314E+07	2534126.000	9.03
1B22071-CAL7	50	1.342423E+08	2684846.000	9.03
1B22071-CAL8	100	3.018593E+08	3018593.000	9.03
1B22071-CAL9	200	6.016032E+08	3008016.000	9.03

**AVE RF 2551263.000 RF RSD 12.58 AVE RT 9.03**

## Endosulfan sulfate

Curve Fit: **AVERAGE RF**

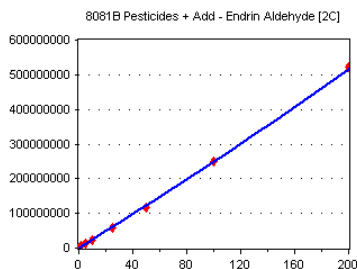


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1441708	2883416.000	9.04
1B25056-CAL2	1	2314150	2314150.000	9.04
1B22071-CAL3	2	5137902	2568951.000	9.04
1B22071-CAL4	5	1.164059E+07	2328118.000	9.04
1B22071-CAL5	10	2.530737E+07	2530737.000	9.04
1B22071-CAL6	25	6.187925E+07	2475170.000	9.04
1B22071-CAL7	50	1.226471E+08	2452942.000	9.04
1B22071-CAL8	100	2.506699E+08	2506699.000	9.04
1B22071-CAL9	200	4.901728E+08	2450864.000	9.04

**AVE RF 2501227.000 RF RSD 6.66 AVE RT 9.04**

## Endrin Aldehyde [2C]

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

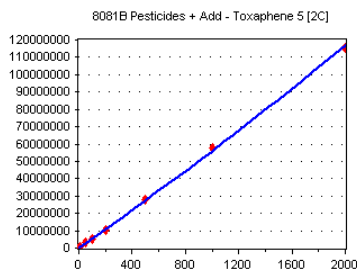


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2081253	4162506.000	9.16
1B25056-CAL2	1	3341794	3341794.000	9.15
1B22071-CAL3	2	6805826	3402913.000	9.15
1B22071-CAL4	5	1.200553E+07	2401106.000	9.15
1B22071-CAL5	10	2.376769E+07	2376769.000	9.15
1B22071-CAL6	25	5.936156E+07	2374463.000	9.15
1B22071-CAL7	50	1.182228E+08	2364456.000	9.15
1B22071-CAL8	100	2.51193E+08	2511930.000	9.15
1B22071-CAL9	200	5.206129E+08	2603065.000	9.15

**AVE RF 2837667.000 RF RSD 22.74 AVE RT 9.15**

## Toxaphene 5 [2C]

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



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	739186	73918.600	9.16
1B22071-CALR	50	3077821	61556.420	9.15
1B22071-CALS	100	5204230	52042.300	9.15
1B22071-CALT	200	1.060872E+07	53043.600	9.15
1B22071-CALU	500	2.790793E+07	55815.860	9.15
1B22071-CALV	1000	5.757015E+07	57570.150	9.15
1B22071-CALW	2000	1.155387E+08	57769.350	9.15

**AVE RF 58816.610 RF RSD 12.54 AVE RT 9.15**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

Calibration Date: **02/25/2021**

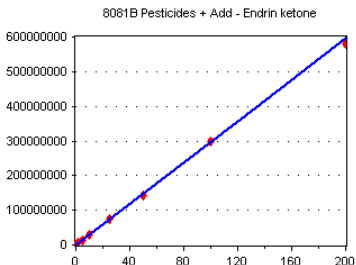
Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### Endrin ketone

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1713787	3427574.000	9.25
1B25056-CAL2	1	2916439	2916439.000	9.24
1B22071-CAL3	2	6080574	3040287.000	9.24
1B22071-CAL4	5	1.404288E+07	2808576.000	9.24
1B22071-CAL5	10	2.931534E+07	2931534.000	9.24
1B22071-CAL6	25	7.366469E+07	2946588.000	9.24
1B22071-CAL7	50	1.429511E+08	2859022.000	9.24
1B22071-CAL8	100	2.970094E+08	2970094.000	9.24
1B22071-CAL9	200	5.817818E+08	2908909.000	9.24

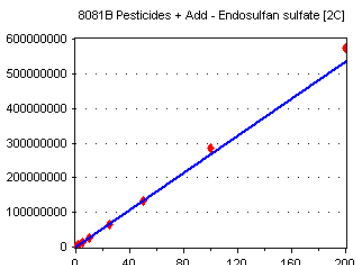


**AVE RF 2978780.000 RF RSD 6.06 AVE RT 9.24**

### Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1502423	3004846.000	9.35
1B25056-CAL2	1	2421845	2421845.000	9.35
1B22071-CAL3	2	5262376	2631188.000	9.35
1B22071-CAL4	5	1.192403E+07	2384806.000	9.35
1B22071-CAL5	10	2.557411E+07	2557411.000	9.35
1B22071-CAL6	25	6.484085E+07	2593634.000	9.35
1B22071-CAL7	50	1.34507E+08	2690140.000	9.34
1B22071-CAL8	100	2.859799E+08	2859799.000	9.35
1B22071-CAL9	200	5.749489E+08	2874745.000	9.35

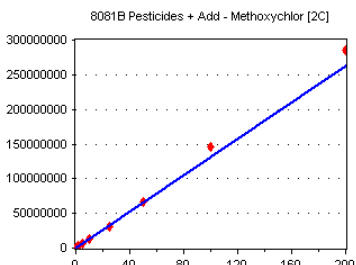


**AVE RF 2668713.000 RF RSD 7.88 AVE RT 9.35**

### Methoxychlor [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	706809	1413618.000	9.51
1B25056-CAL2	1	1184029	1184029.000	9.51
1B22071-CAL3	2	2619141	1309571.000	9.50
1B22071-CAL4	5	6073400	1214680.000	9.50
1B22071-CAL5	10	1.252845E+07	1252845.000	9.50
1B22071-CAL6	25	3.116988E+07	1246795.000	9.50
1B22071-CAL7	50	6.636432E+07	1327286.000	9.50
1B22071-CAL8	100	1.461766E+08	1461766.000	9.50
1B22071-CAL9	200	2.8615E+08	1430750.000	9.50

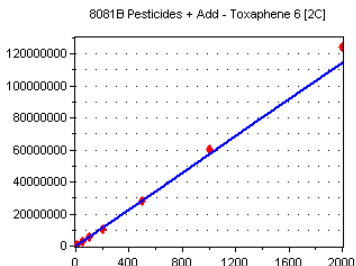


**AVE RF 1315704.000 RF RSD 7.63 AVE RT 9.50**

### Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	571304	57130.400	9.53
1B22071-CALR	50	2855345	57106.900	9.53
1B22071-CALS	100	5401052	54010.520	9.53
1B22071-CALT	200	1.079793E+07	53989.650	9.53
1B22071-CALU	500	2.83244E+07	56648.800	9.53
1B22071-CALV	1000	6.067819E+07	60678.190	9.53
1B22071-CALW	2000	1.245646E+08	62282.300	9.53



**AVE RF 57406.680 RF RSD 5.44 AVE RT 9.53**

## Element Calibration Review Sheet

Calibration ID: **A1B2503**

Instrument: **DUALECD8**

Calibration Date: **02/25/2021**

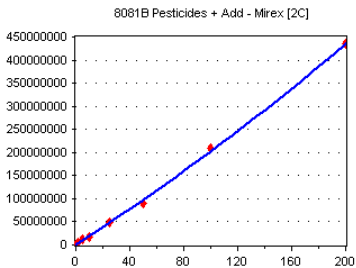
Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD8\_QUANTPEST\_21022**

### Mirex [2C]

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

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1705947	3411894.000	9.74
1B22071-CALB	1	2872803	2872803.000	9.73
1B22071-CALC	2	4436254	2218127.000	9.73
1B22071-CALD	5	1.118322E+07	2236644.000	9.73
1B22071-CALE	10	1.758972E+07	1758972.000	9.73
1B22071-CALF	25	4.937572E+07	1975029.000	9.74
1B22071-CALG	50	9.070629E+07	1814126.000	9.73
1B22071-CALH	100	2.087475E+08	2087475.000	9.73
1B22071-CALI	200	4.35235E+08	2176175.000	9.73

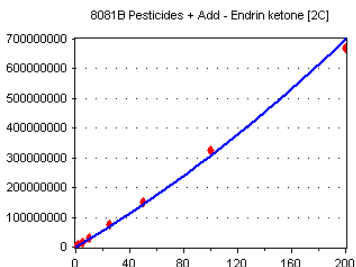


**AVE RF** 2283472.000 **RF RSD** 23.32 **AVE RT** 9.73

### Endrin ketone [2C]

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

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2282416	4564832.000	9.74
1B25056-CAL2	1	3277354	3277354.000	9.74
1B22071-CAL3	2	5714398	2857199.000	9.74
1B22071-CAL4	5	1.324635E+07	2649270.000	9.74
1B22071-CAL5	10	2.894453E+07	2894453.000	9.74
1B22071-CAL6	25	7.556327E+07	3022531.000	9.74
1B22071-CAL7	50	1.511019E+08	3022038.000	9.74
1B22071-CAL8	100	3.248155E+08	3248155.000	9.74
1B22071-CAL9	200	6.696734E+08	3348367.000	9.74

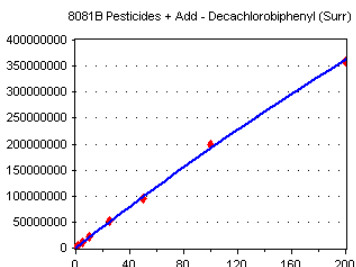


**AVE RF** 3209355.000 **RF RSD** 17.31 **AVE RT** 9.74

### Decachlorobiphenyl (Surr)

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

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1554393	3108786.000	9.92
1B25056-CAL2	1	2655464	2655464.000	9.91
1B22071-CAL3	2	4862674	2431337.000	9.91
1B22071-CAL4	5	9937318	1987464.000	9.91
1B22071-CAL5	10	2.064799E+07	2064799.000	9.91
1B22071-CAL6	25	5.100088E+07	2040035.000	9.91
1B22071-CAL7	50	9.445968E+07	1889194.000	9.91
1B22071-CAL8	100	1.991503E+08	1991503.000	9.91
1B22071-CAL9	200	3.592568E+08	1796284.000	9.91

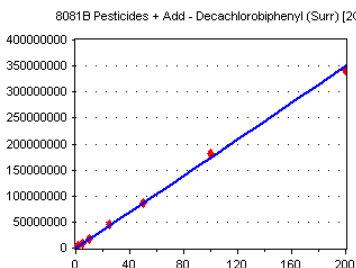


**AVE RF** 2218318.000 **RF RSD** 19.36 **AVE RT** 9.91

### Decachlorobiphenyl (Surr) [2C]

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

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1167406	2334812.000	10.61
1B25056-CAL2	1	1991701	1991701.000	10.61
1B22071-CAL3	2	3921756	1960878.000	10.61
1B22071-CAL4	5	8113103	1622621.000	10.61
1B22071-CAL5	10	1.728505E+07	1728505.000	10.60
1B22071-CAL6	25	4.56094E+07	1824376.000	10.60
1B22071-CAL7	50	8.577448E+07	1715490.000	10.61
1B22071-CAL8	100	1.818966E+08	1818966.000	10.61
1B22071-CAL9	200	3.415903E+08	1707952.000	10.61



**AVE RF** 1856144.000 **RF RSD** 11.64 **AVE RT** 10.61

# CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B22071

## Analysis Included

1311/8081B TCLP Pest Reg List  
1311/8081B TCLP Pest Reg List +ADD  
1311/8081B TCLP Pesticides (All)  
1311/8081B TCLP Pesticides + Add (All)  
1312/8081B SPLP Pesticides  
608.3 Pesticides  
608.3 Additional  
608.3 Chlordane  
608.3 Pest (Chlordane)  
608.3 Pest + Add (250mL) - Development  
608.3 Pesticides (DDT Only)  
608.3 Pesticides (SW)  
608.3 Pesticides (SW) Full List  
608.3 Pesticides (TTO)  
608.3 Toxaphene  
8081B Pesticides  
8081B 2,4+4,4-DDx Only (+Add)  
8081B Chlordane  
8081B DDT Only  
8081B Pesticides + Add  
8081B Pesticides + Add (Diss)  
8081B RSET FW Sed (+Add) (2016)  
8081B RSET Sediment List (+Add)  
8081B RSET Sediment Marine (2016) (+Add)  
8081B Toxaphene



# CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B22071

## INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
1B22071-ICB1	Initial Cal Blank	Water	A21B195		2/22/2021 7:27:00PM
1B22071-CAL1	Cal Standard	Water	A21B425	"	2/22/2021 7:43:00PM
1B22071-CAL2	Cal Standard	Water	A21B426	"	2/22/2021 7:59:00PM
1B22071-CAL3	Cal Standard	Water	A21B419	"	2/22/2021 8:15:00PM
1B22071-CAL4	Cal Standard	Water	A21B420	"	2/22/2021 8:32:00PM
1B22071-CAL5	Cal Standard	Water	A21B421	"	2/22/2021 8:48:00PM
1B22071-CAL6	Cal Standard	Water	A21B422	"	2/22/2021 9:04:00PM
1B22071-CAL7	Cal Standard	Water	A21B423	"	2/22/2021 9:20:00PM
1B22071-CAL8	Cal Standard	Water	A21B424	"	2/22/2021 9:37:00PM
1B22071-CAL9	Cal Standard	Water	A21B418	"	2/22/2021 9:53:00PM
1B22071-ICV1	Initial Cal Check	Water	A20I130	"	2/22/2021 10:25:00PM
1B22071-CALA	Cal Standard	Water	A21B427	"	2/22/2021 10:41:00PM
1B22071-CALB	Cal Standard	Water	A20I180	"	2/22/2021 10:57:00PM
1B22071-CALC	Cal Standard	Water	A20I181	"	2/22/2021 11:14:00PM
1B22071-CALD	Cal Standard	Water	A20I182	"	2/22/2021 11:30:00PM
1B22071-CALE	Cal Standard	Water	A20I183	"	2/22/2021 11:46:00PM
1B22071-CALF	Cal Standard	Water	A20I184	"	2/23/2021 12:02:00AM
1B22071-CALG	Cal Standard	Water	A21A187	"	2/23/2021 12:18:00AM
1B22071-CALH	Cal Standard	Water	A21A188	"	2/23/2021 12:35:00AM
1B22071-CALI	Cal Standard	Water	A20I179	"	2/23/2021 12:51:00AM
1B22071-ICV2	Initial Cal Check	Water	A20I187	"	2/23/2021 1:23:00AM
1B22071-CALJ	Cal Standard	Water	A21B428	"	2/23/2021 1:40:00AM
1B22071-CALK	Cal Standard	Water	A20L139	"	2/23/2021 1:56:00AM
1B22071-CALL	Cal Standard	Water	A20L140	"	2/23/2021 2:12:00AM
1B22071-CALM	Cal Standard	Water	A20L141	"	2/23/2021 2:28:00AM
1B22071-CALN	Cal Standard	Water	A20L142	"	2/23/2021 2:44:00AM
1B22071-CALO	Cal Standard	Water	A20L143	"	2/23/2021 3:01:00AM
1B22071-CALP	Cal Standard	Water	A20L138	"	2/23/2021 3:17:00AM
1B22071-ICV3	Initial Cal Check	Water	A20L144	"	2/23/2021 3:49:00AM
1B22071-CALQ	Cal Standard	Water	A21B429	"	2/23/2021 4:06:00AM
1B22071-CALR	Cal Standard	Water	A20K260	"	2/23/2021 4:22:00AM
1B22071-CALS	Cal Standard	Water	A20K261	"	2/23/2021 4:38:00AM
1B22071-CALT	Cal Standard	Water	A20K262	"	2/23/2021 4:54:00AM
1B22071-CALU	Cal Standard	Water	A20K263	"	2/23/2021 5:10:00AM
1B22071-CALV	Cal Standard	Water	A20K264	"	2/23/2021 5:27:00AM
1B22071-CALW	Cal Standard	Water	A20K259	"	2/23/2021 5:43:00AM
1B22071-ICV4	Initial Cal Check	Water	A20K265	"	2/23/2021 6:15:00AM

## CALIBRATION STANDARD RECOVERIES

Calibration: **A1B2503**

Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg Li

Sequence: **1B22071**

Matrix: **Water**

SampleID	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CAL1					
1B22071-CAL2					
1B22071-CAL3					

# CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B22071

1B22071-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-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	
<b>1B22071-CALP</b>	<b>Inst. MRL</b>	<b>Recalc Res.</b>	<b>Cal Level</b>	<b>%Rec.</b>	<b>Qual</b>
Chlordane (Technical)	940.0000	0.00	2000	0	
Chlordane (Technical) [2C]	940.0000	0.00	2000	0	
1B22071-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1B22071-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

# CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B22071

1B22071-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	
1B22071-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: **A1B2503**

Instrument: **DUALECD8F**

608.3 Pest + Add (250mL) - De

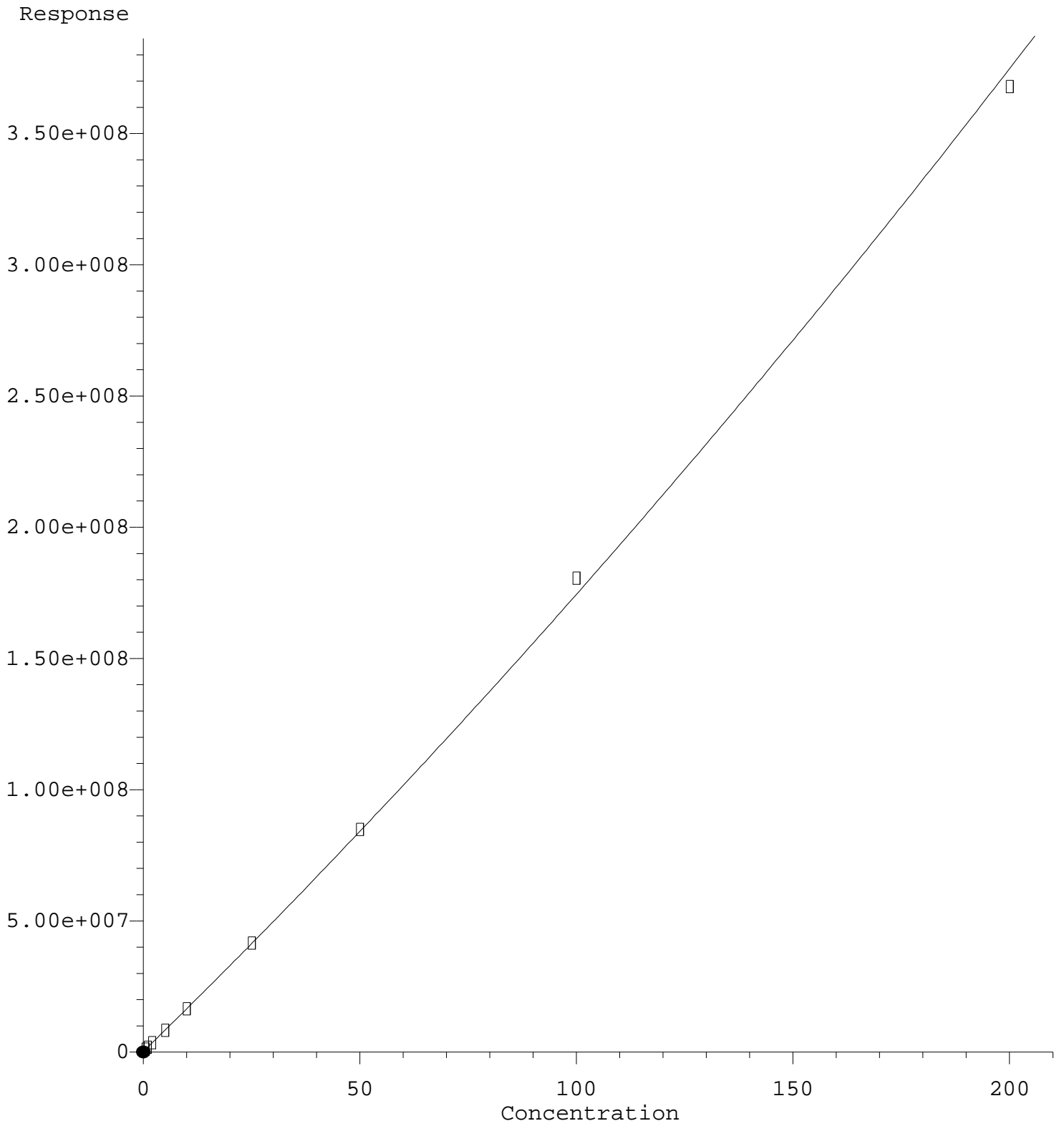
Sequence: **1B22071**

Matrix: **Water**

1B22071-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1B22071-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual
1B22071-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual
1B22071-ICV4	Inst. MRL	ICV Level	Result	%Rec.	Qual

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

b-BHC #2

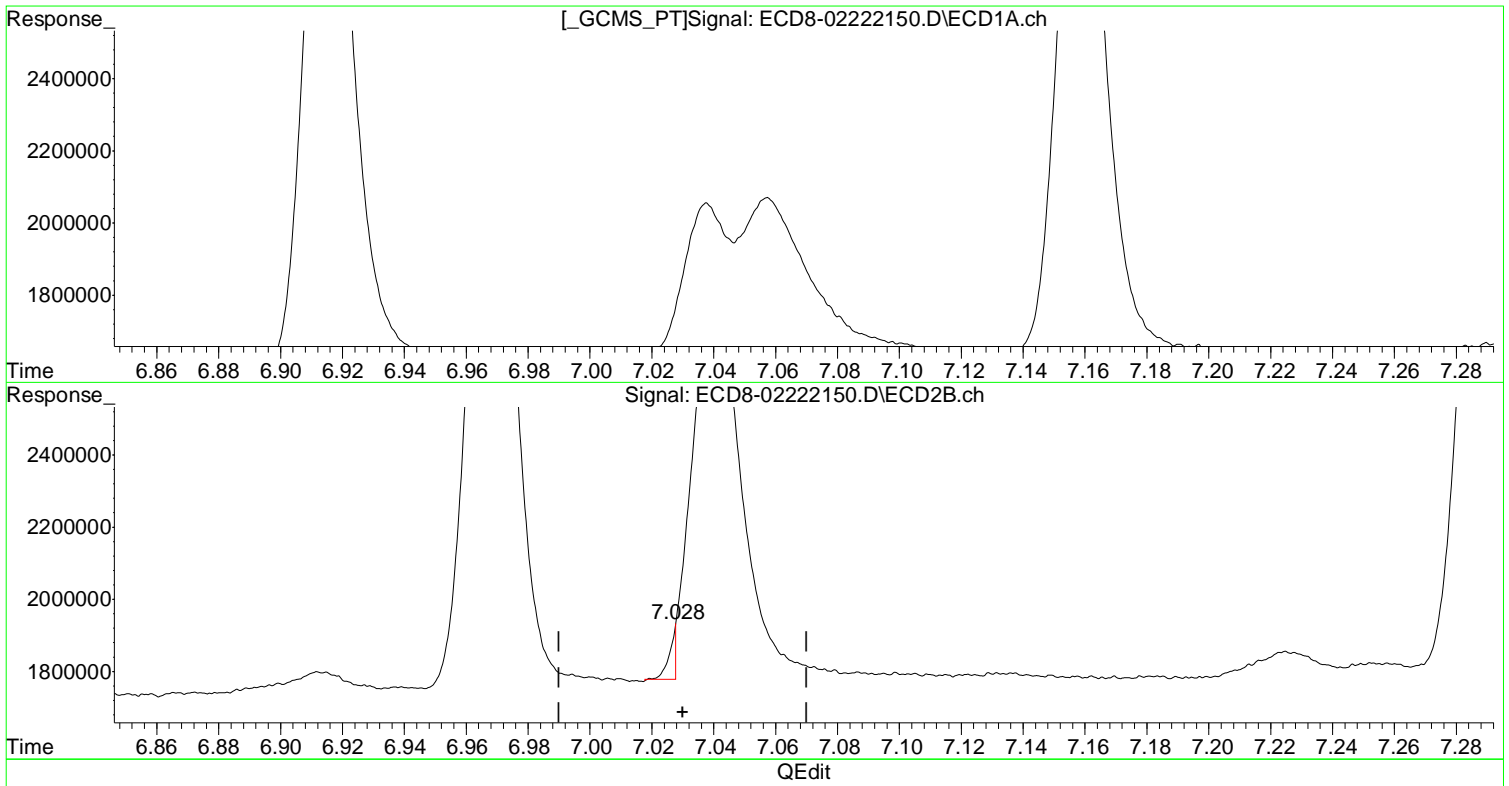


R = 1.32e+003 A\*A + 1.61e+006 A + 3.15e+005  
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2011 15:43:48  
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Quantitation Report (Qedit)

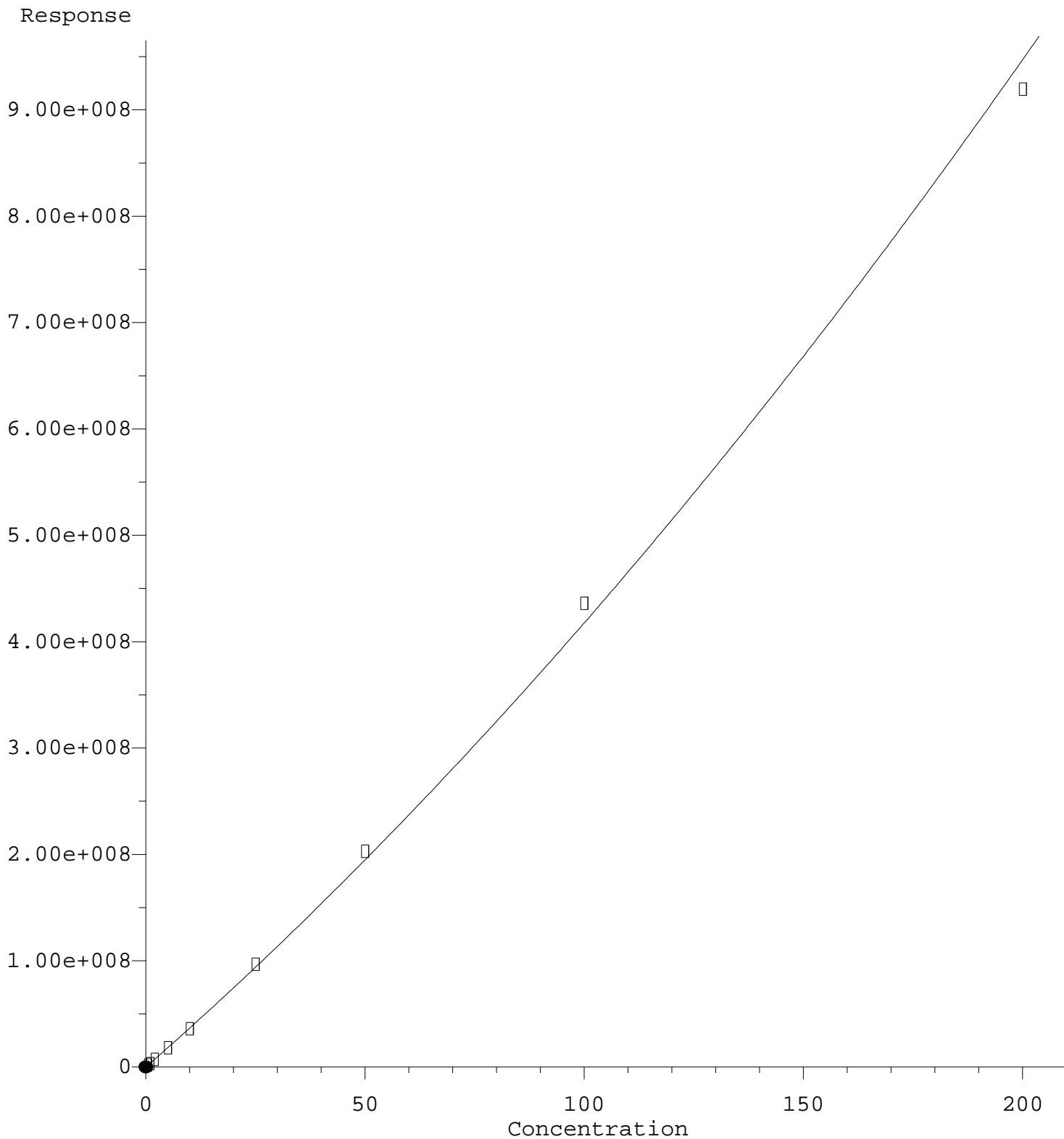
Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(4) b-BHC  
6.612min 0.618 ng/mL m  
response 966009  
  
(4) b-BHC #2  
7.028min -0.101 ng/mL m  
response 152227

d-BHC #2

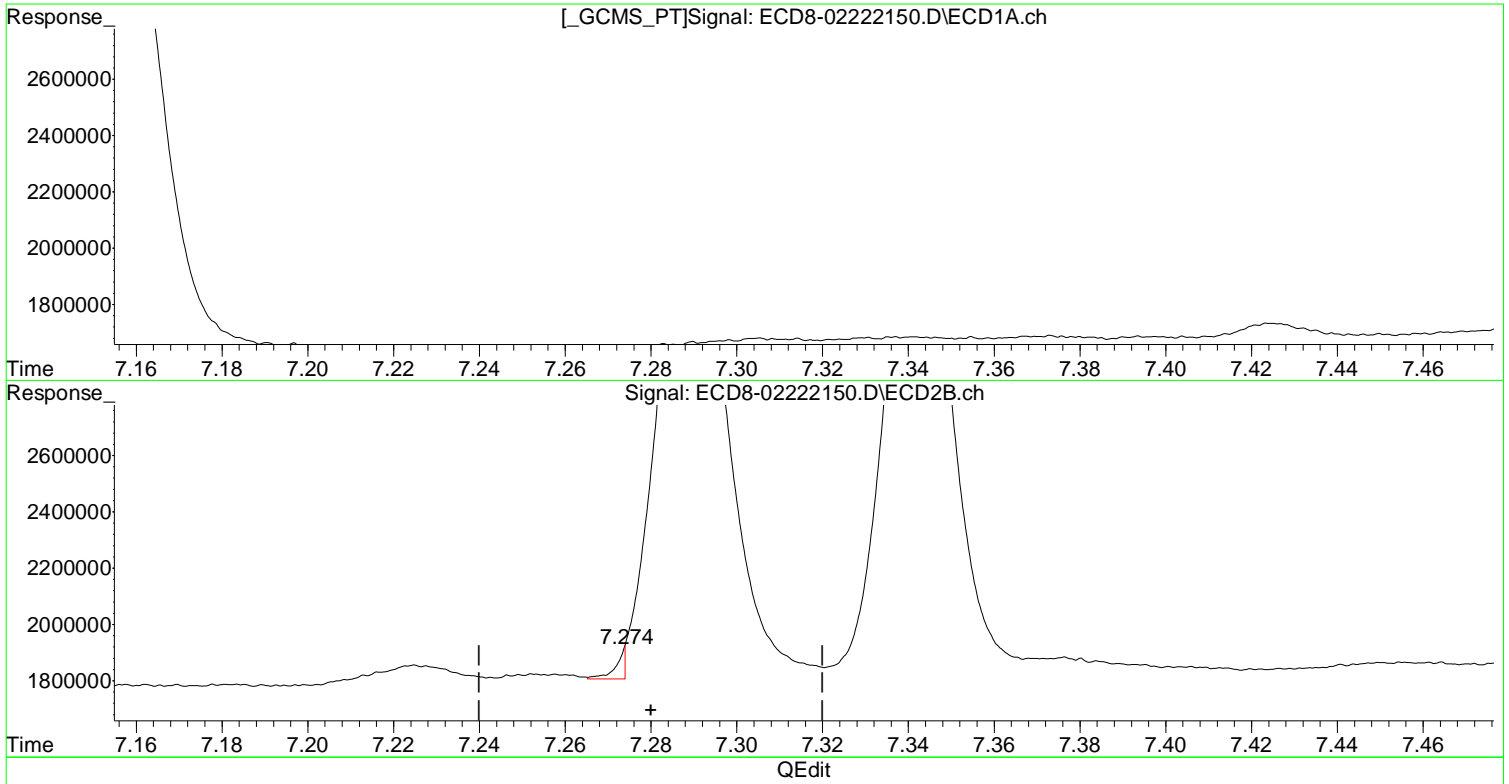


R = 5.62e+003 A\*A + 3.61e+006 A + 3.67e+004  
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2013 15:43:48  
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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation

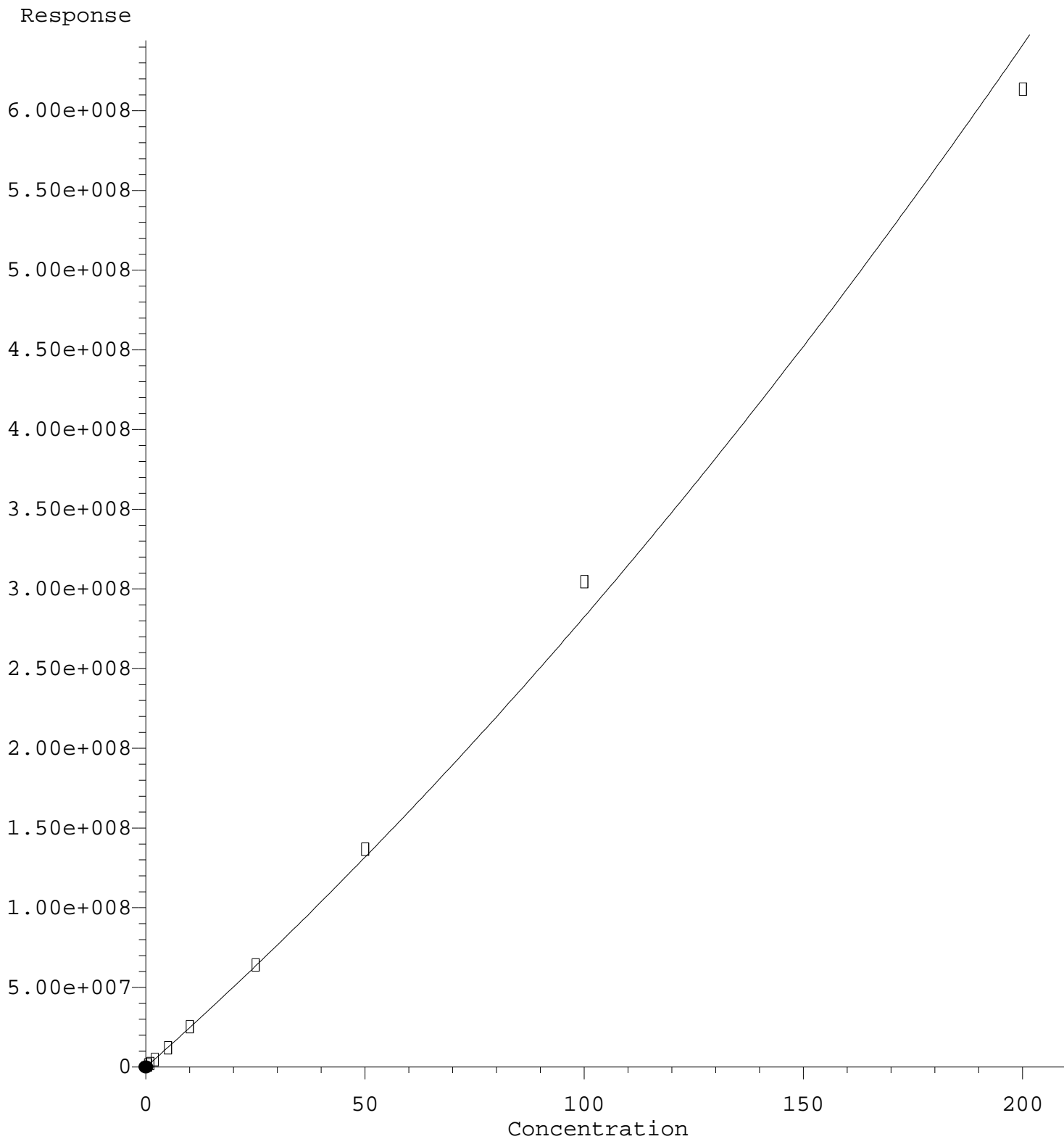


(6) d-BHC  
6.766min 0.512 ng/mL  
response 1728917

(6) d-BHC #2  
7.274min 0.019 ng/mL m  
response 106740

(+) = Expected Retention Time

Endrin #2



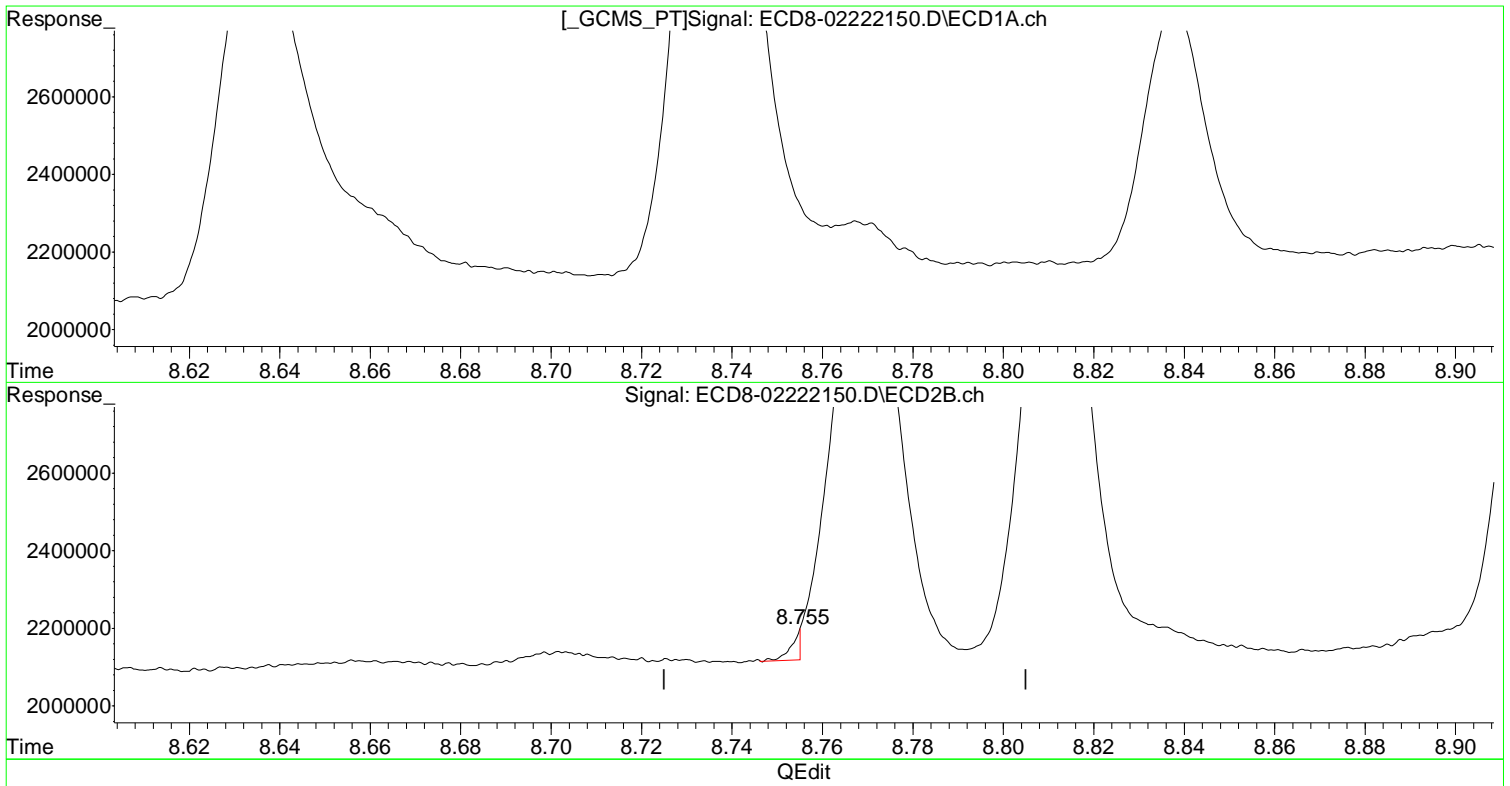
R = 3.84e+003 A\*A + 2.44e+006 A - 5.69e+003  
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: Tue Feb 23 15:43:48 2021  
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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

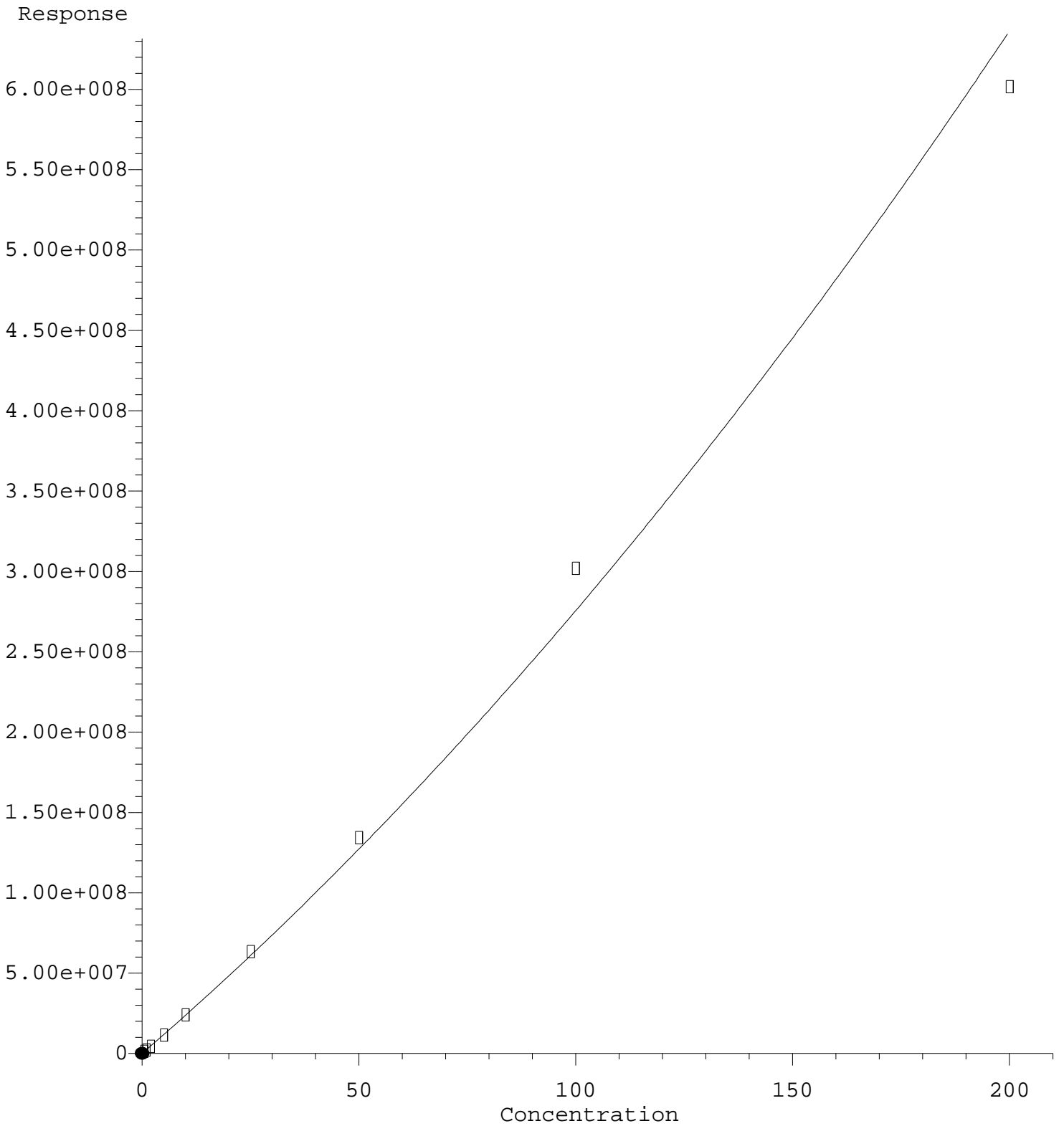
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(14) Endrin  
8.274min 0.507 ng/mL  
response 1311200

(14) Endrin #2  
8.755min 0.035 ng/mL m  
response 79354

4,4'-DDT #2

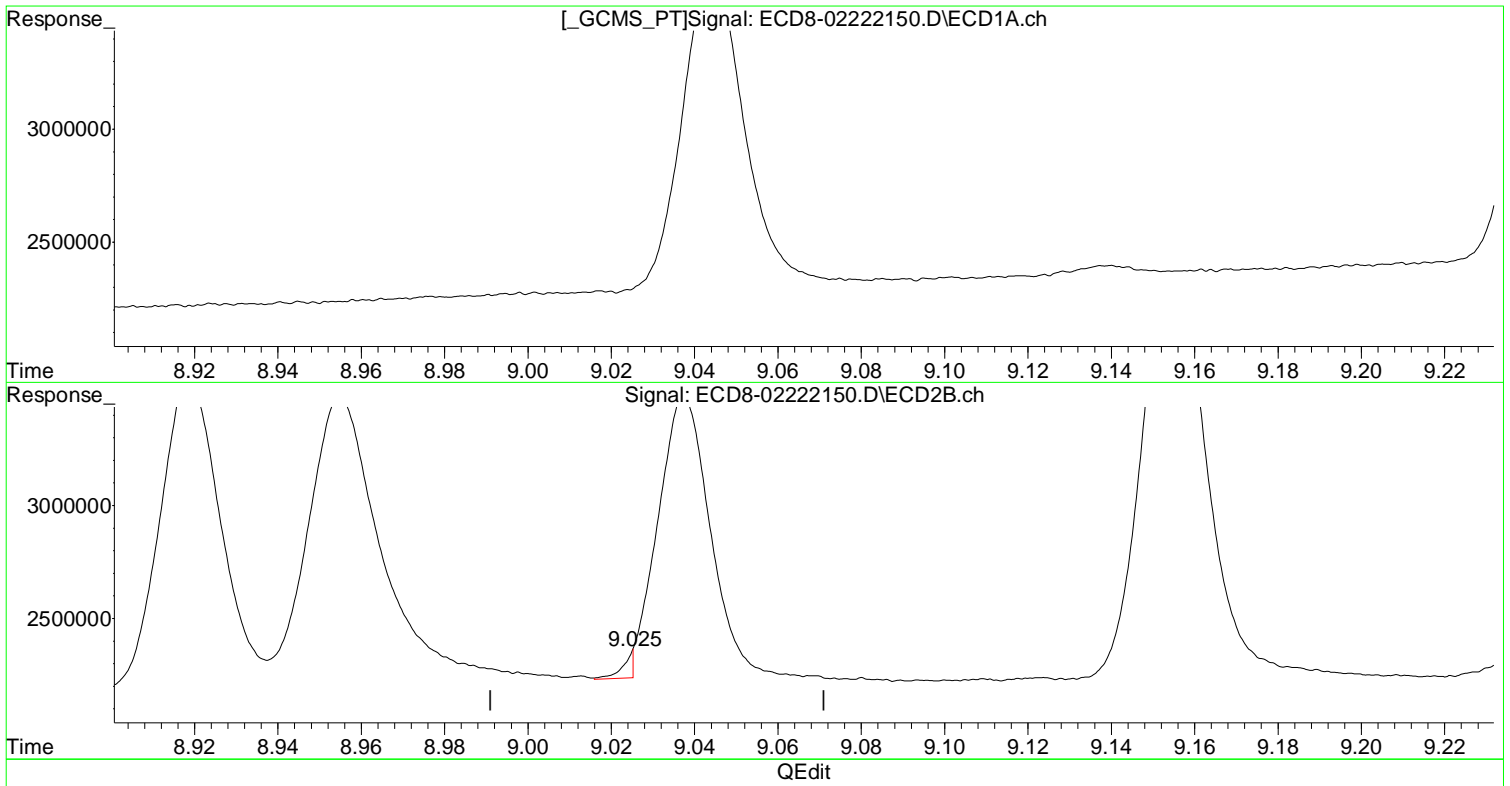


$R = 4.27e+003 A^2 + 2.33e+006 A + 8.56e+004$   
 Coef of Det ( $r^2$ ) = 0.994 Curve Fit: Quadratic w( $1/a^2$ )  
 Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Calibration Table Last Updated: 06/22/2011 15:43:48 Page 22 of 523

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

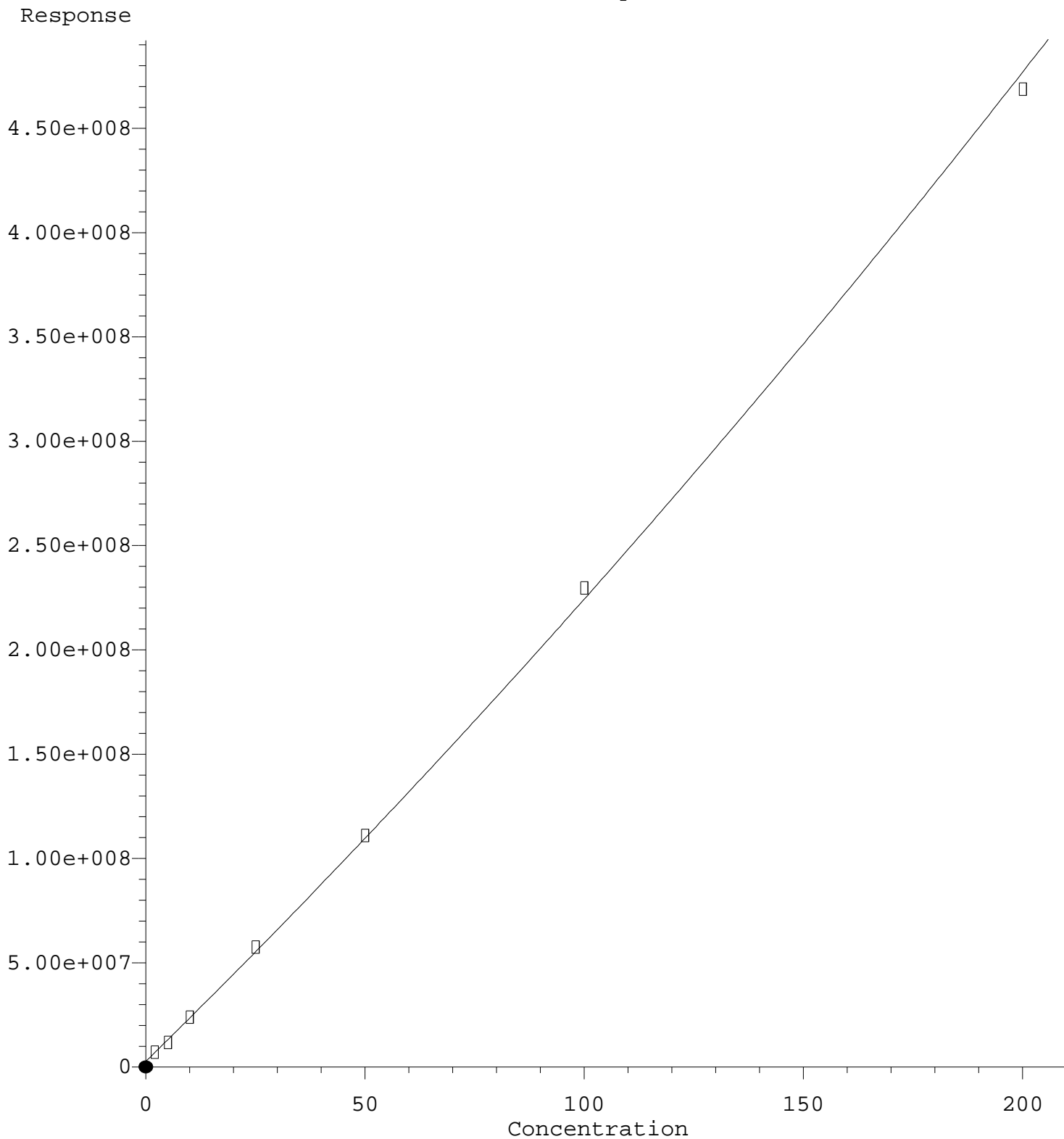
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(17) 4,4'-DDT  
8.506min 0.522 ng/mL  
response 1280117

(17) 4,4'-DDT #2  
9.025min 0.014 ng/mL m  
response 118860

# Endrin Aldehyde

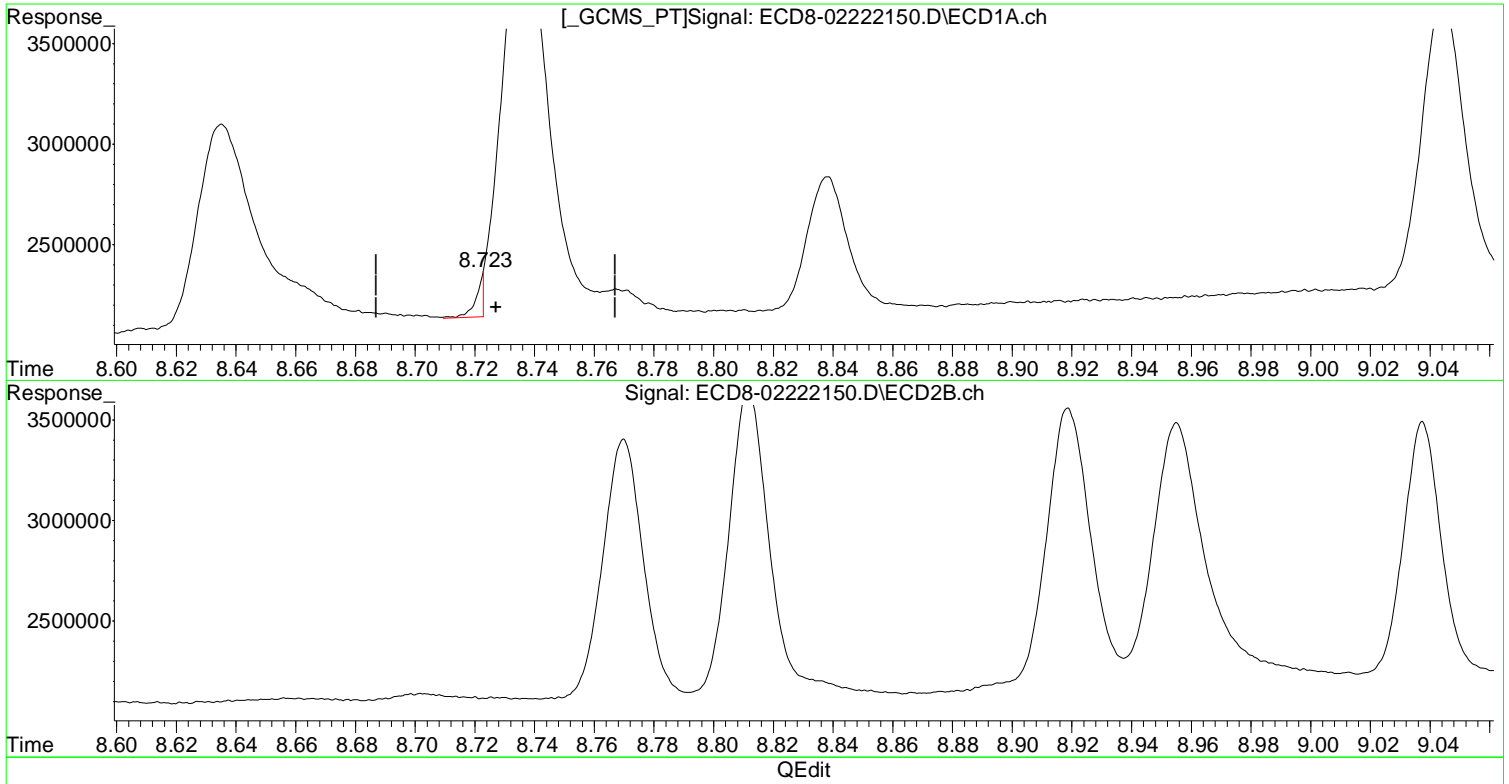


R = 1.57e+003 A\*A + 2.06e+006 A + 2.78e+006  
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2013 15:43:48  
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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-0222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

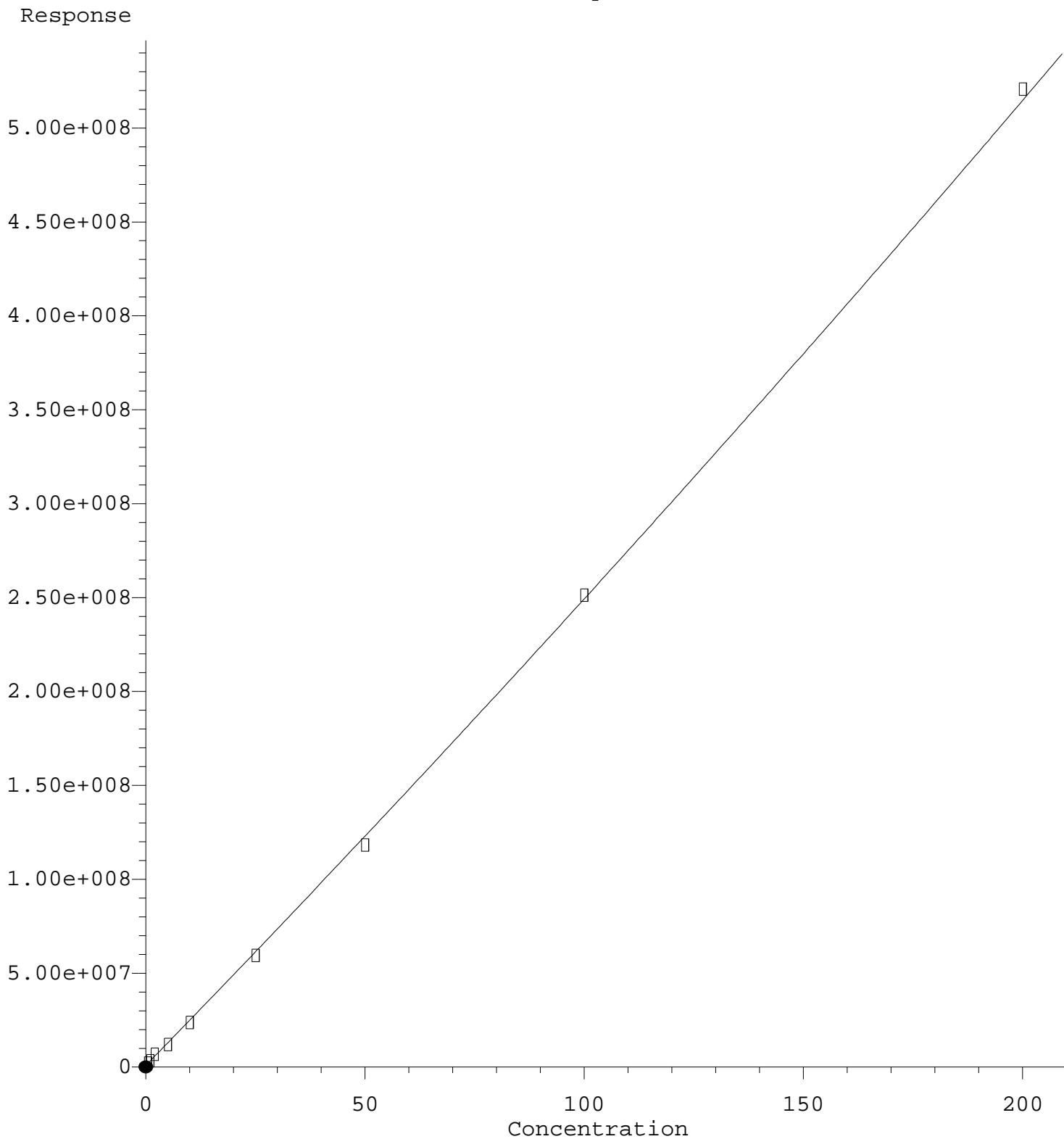
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(18) Endrin Aldehyde  
8.723min -1.246 ng/mL m  
response 219674

(18) Endrin Aldehyde #2  
9.155min 0.477 ng/mL  
response 2081253

Endrin Aldehyde #2

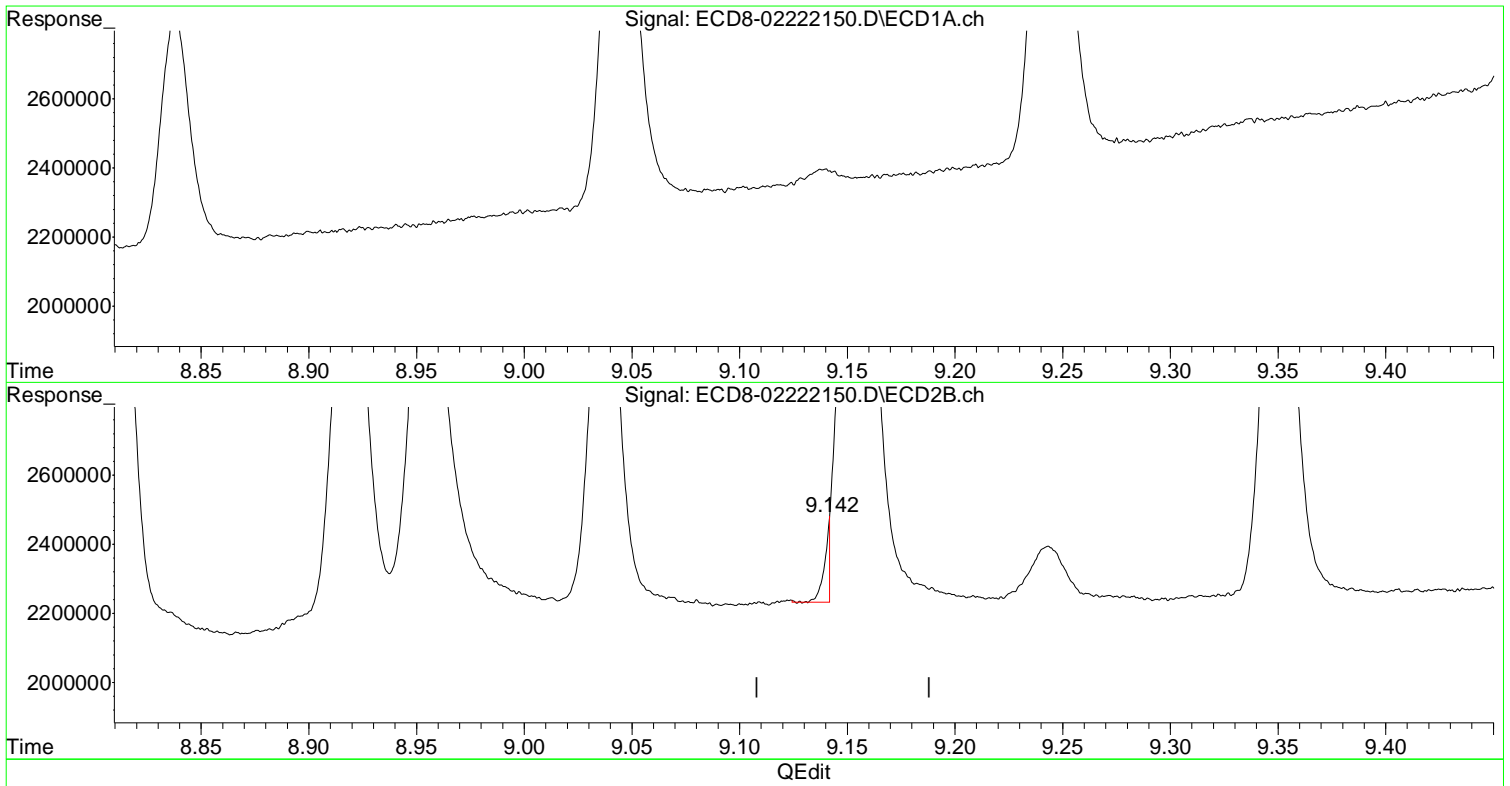


R = 8.69e+002 A\*A + 2.40e+006 A + 9.38e+005  
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2014 15:43:48 Page 206 of 523

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

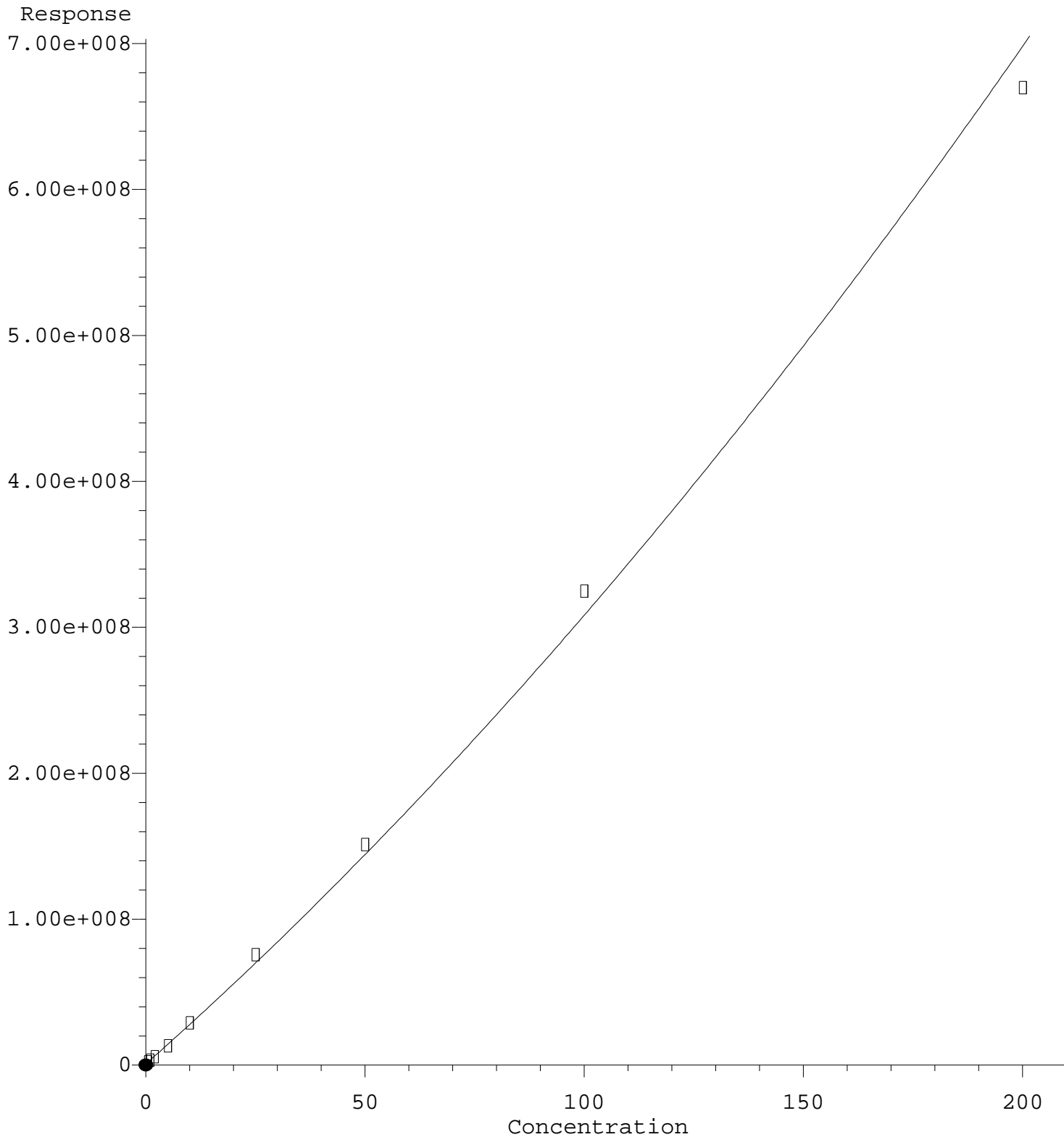
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(18) Endrin Aldehyde  
8.723min -1.246 ng/mL m  
response 219674

(18) Endrin Aldehyde #2  
9.142min -0.289 ng/mL m  
response 245571

Endrin Ketone #2



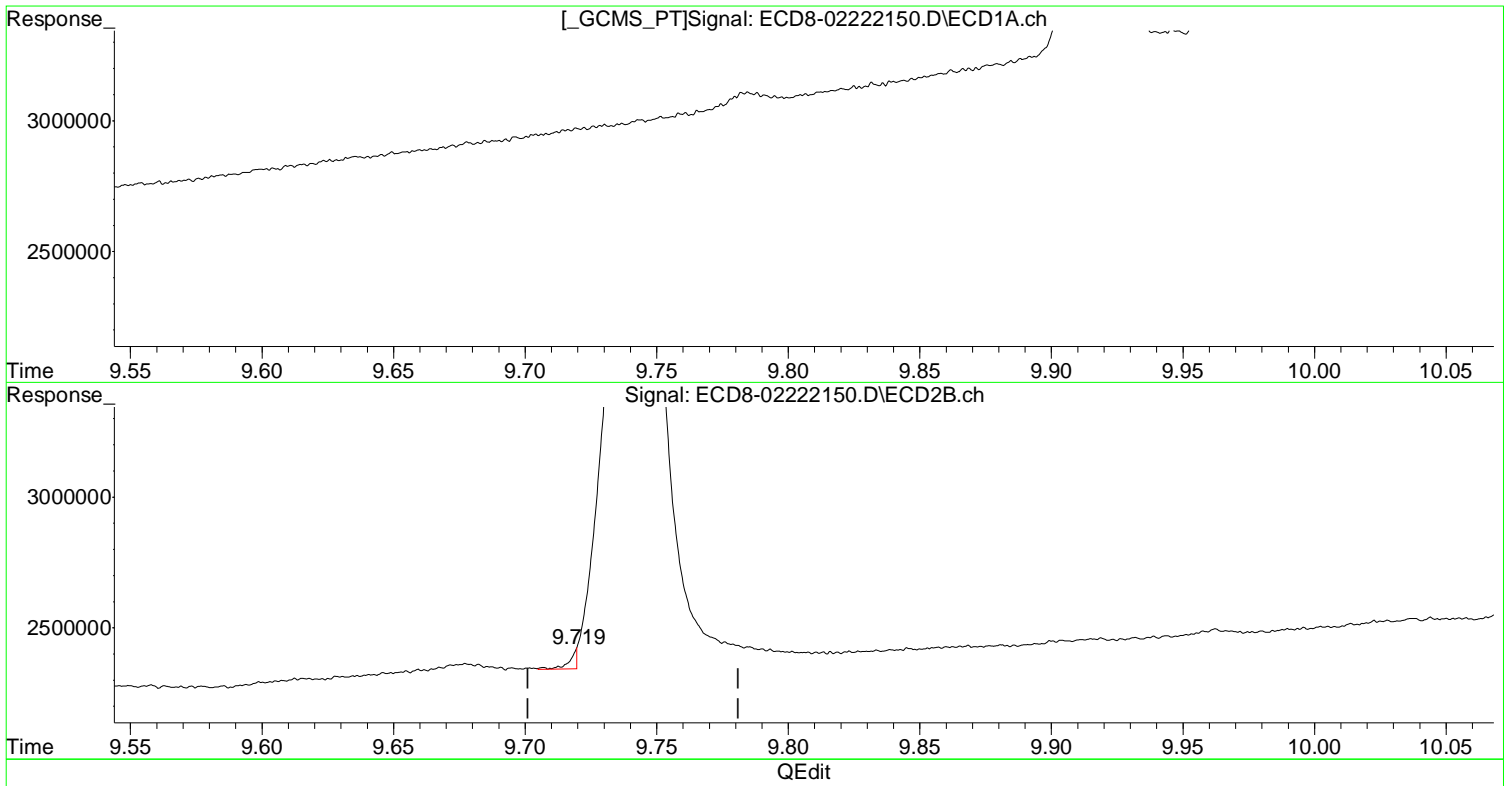
R = 4.14e+003 A\*A + 2.66e+006 A + 8.57e+005  
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2008  
File: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M Page 208 of 523



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

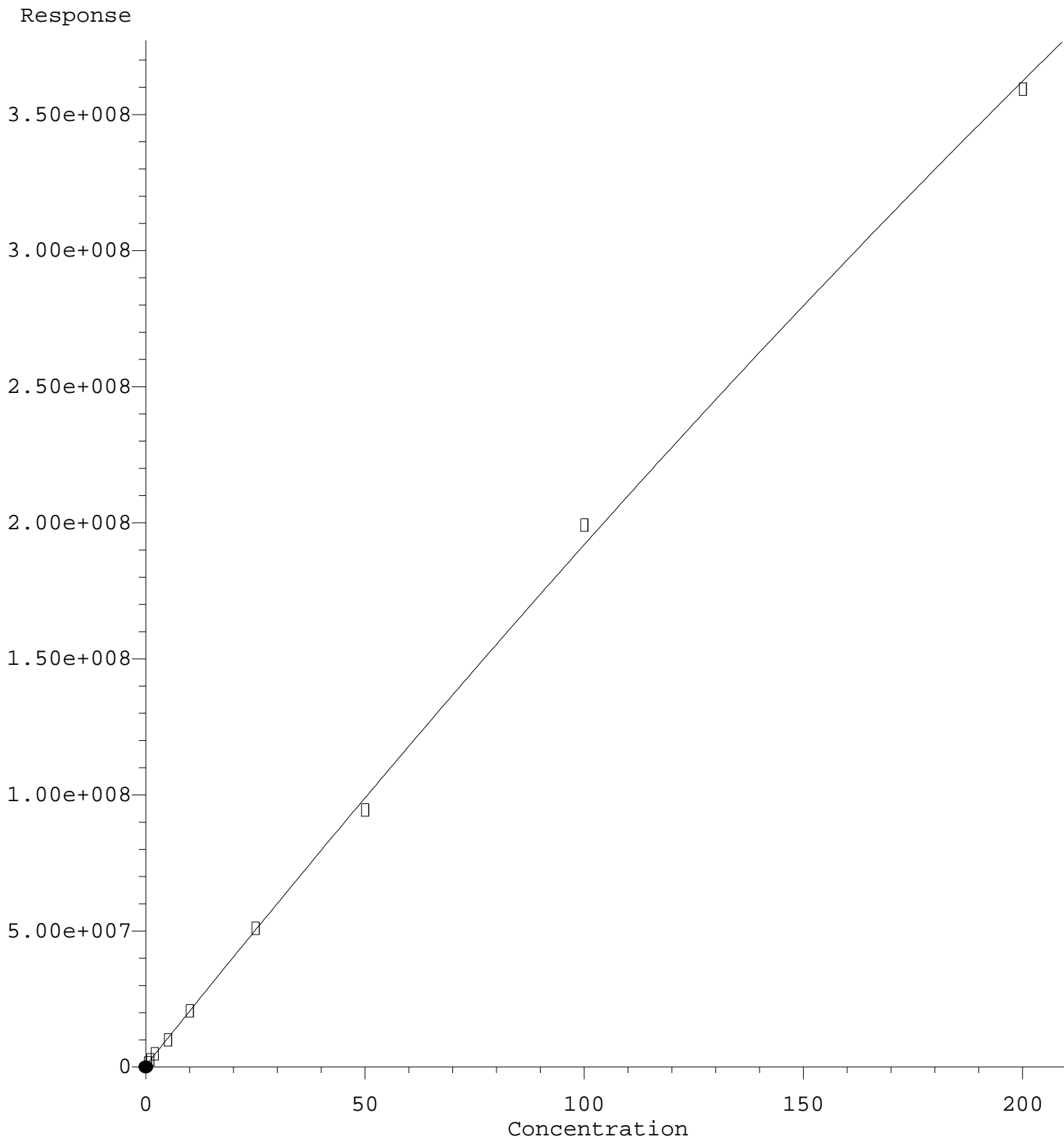
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(21) Endrin Ketone  
9.245min 0.575 ng/mL  
response 1713787

(21) Endrin Ketone #2  
9.719min -0.294 ng/mL m  
response 74236

DCBP (S)

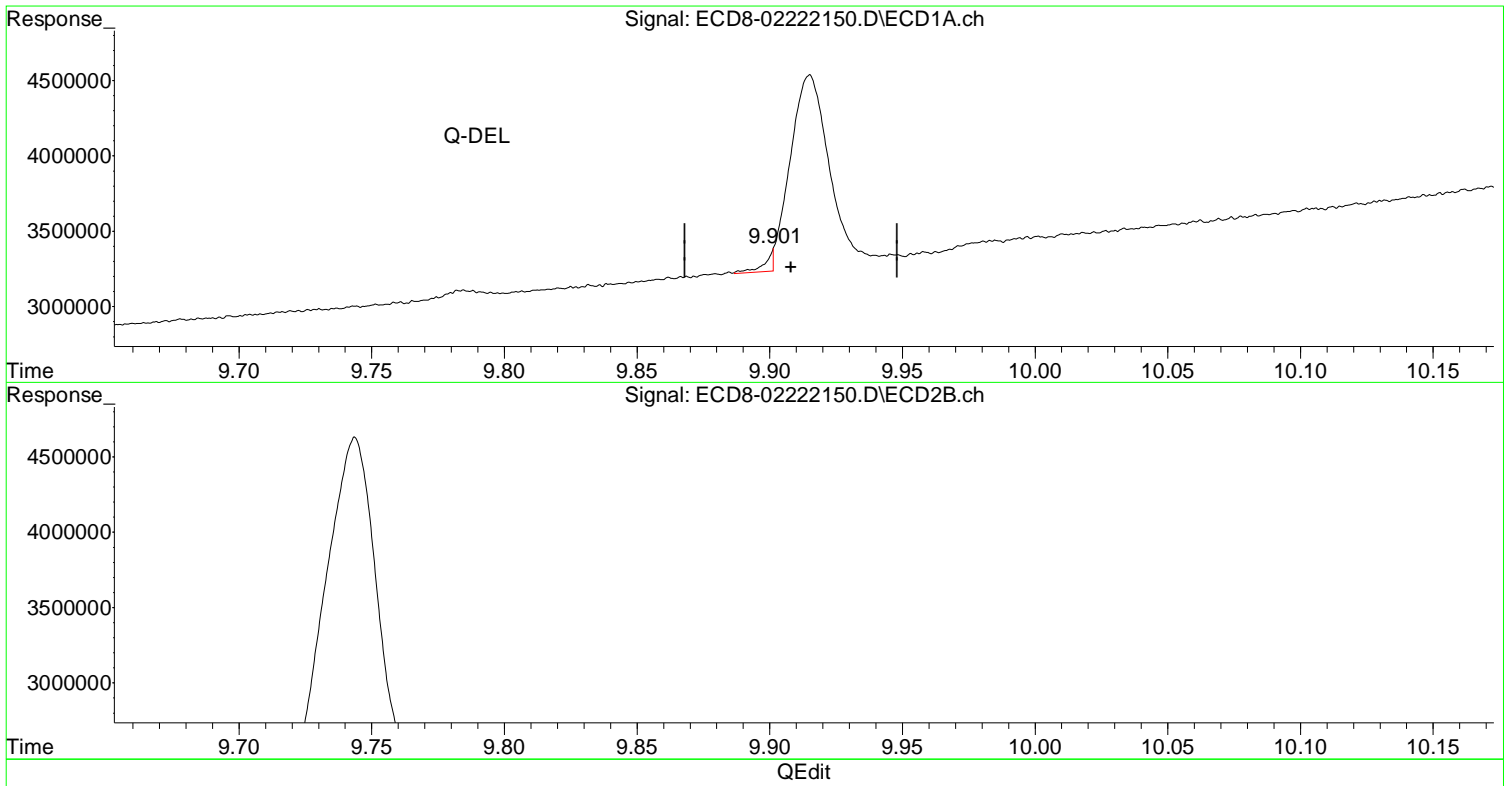


R = -1.04e+003 A\*A + 2.02e+006 A + 5.72e+005  
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2021 15:43:48 Page 21 of 523

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

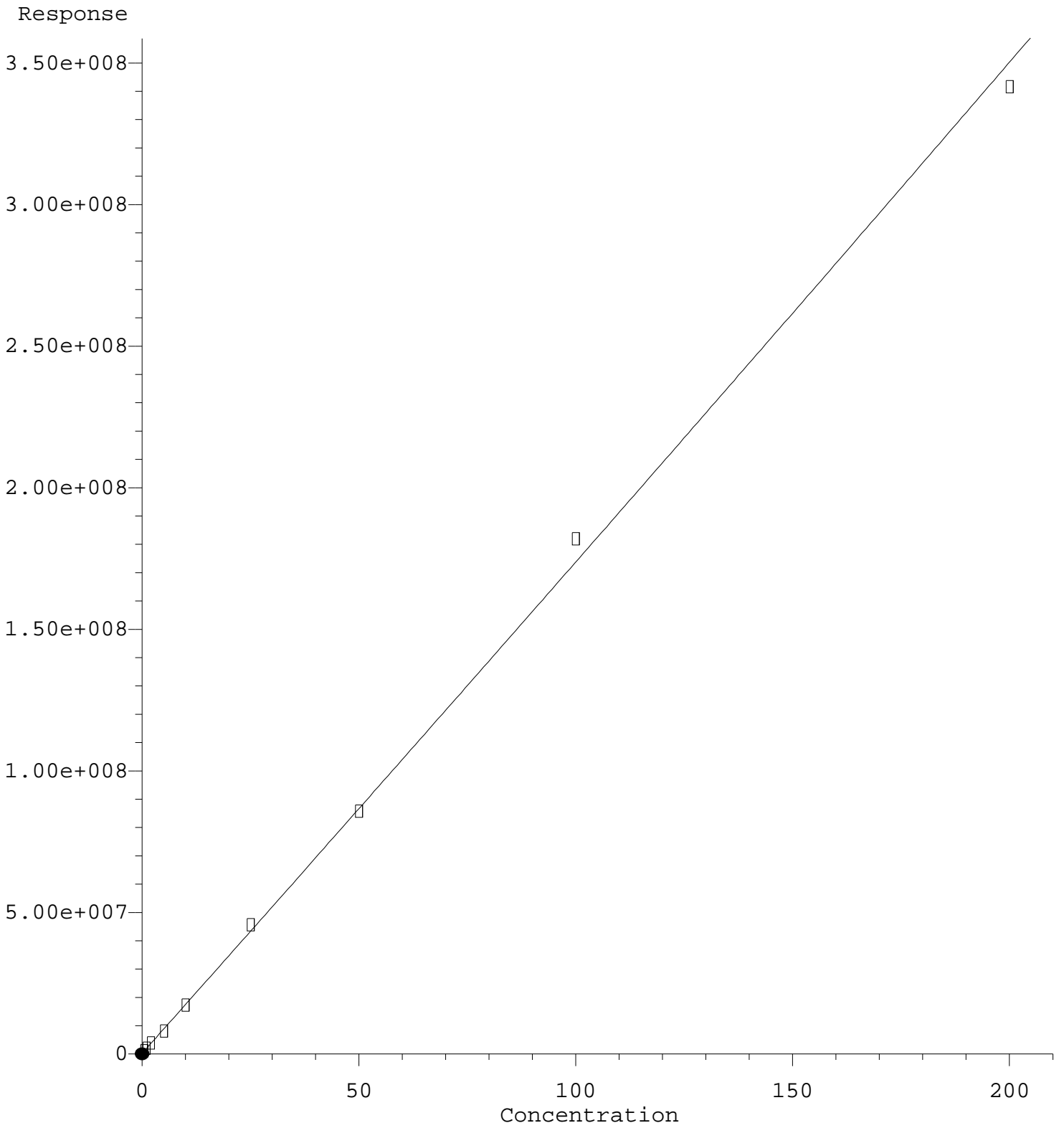
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(22) DCBP (S) (S)  
~~9.901min 1031.260 ng/mL m~~  
response ~~137435~~

(22) DCBP (S) #2 (S)  
10.609min 0.502 ng/mL  
response 1167406

DCBP (S) #2

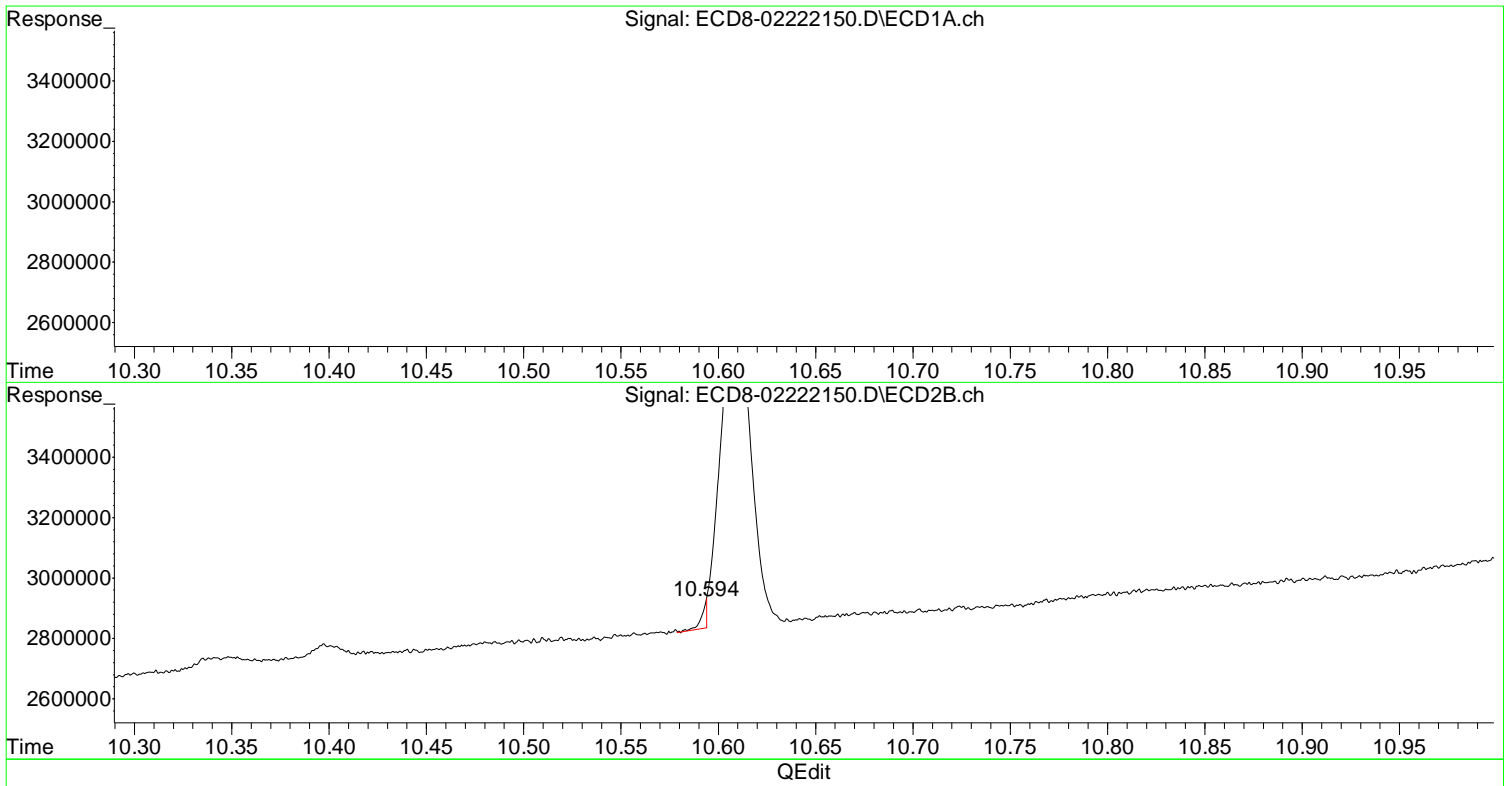


R = 1.61e+002 A\*A + 1.72e+006 A + 3.04e+005  
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2021 15:43:48 Page 21 of 523

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB  
Sample : 1B22071-CALX  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

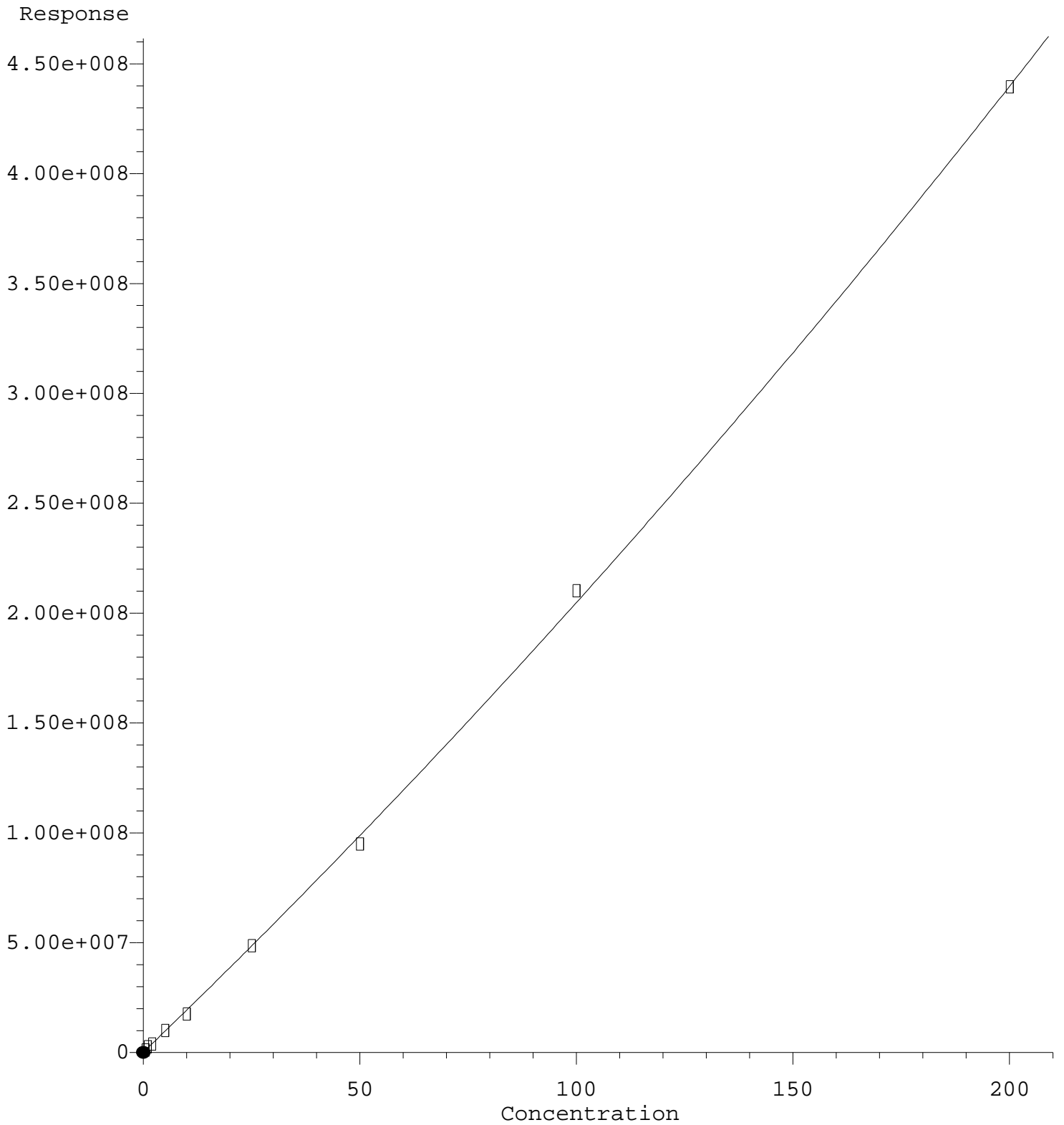
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(22) DCBP (S) (S)  
9.901min 1931.269 ng/mL m  
response 137435

(22) DCBP (S) #2 (S)  
10.594min -0.125 ng/mL m  
response 89123

2,4'-DDD #2

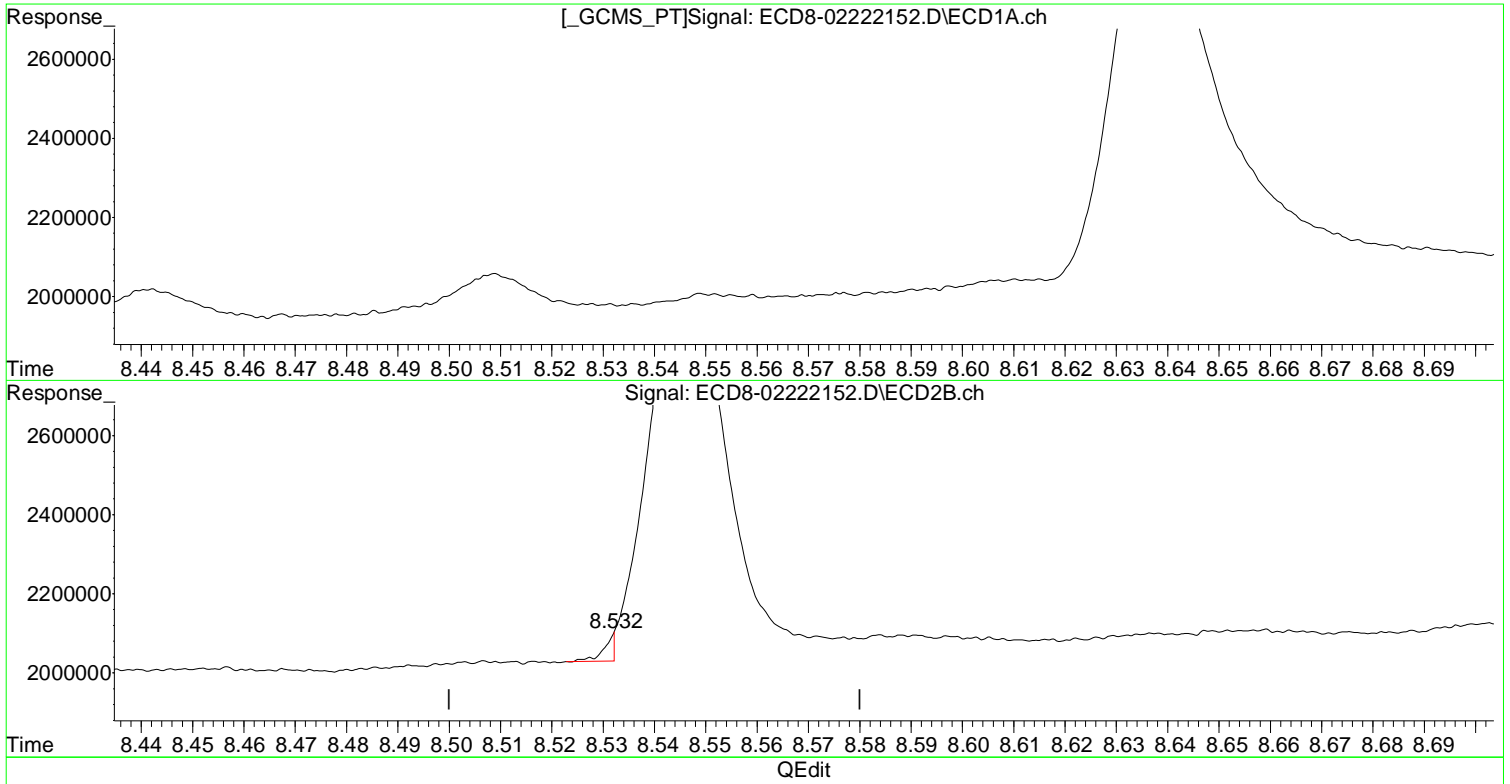


R = 1.53e+003 A\*A + 1.89e+006 A + 2.68e+005  
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2021 15:43:48 Page 24 of 523

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222152.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:29  
Operator : MJB  
Sample : 1B22071-CALZ  
Misc : A21B445, 9-42 0.5 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation

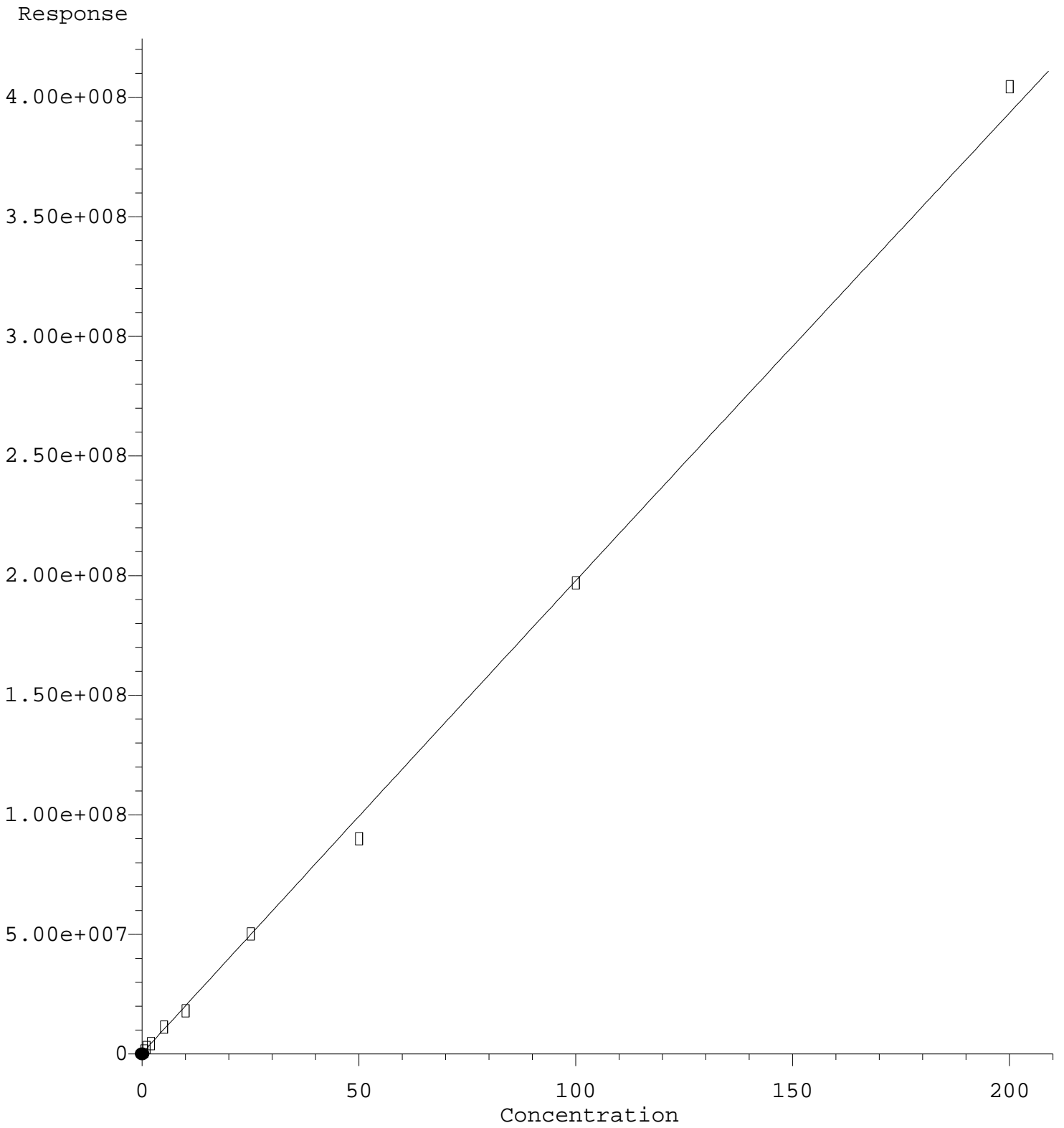


(28) 2,4'-DDD  
8.008min 0.524 ng/mL  
response 992555

(28) 2,4'-DDD #2  
8.532min -0.105 ng/mL m  
response 69783

(+) = Expected Retention Time

Mirex



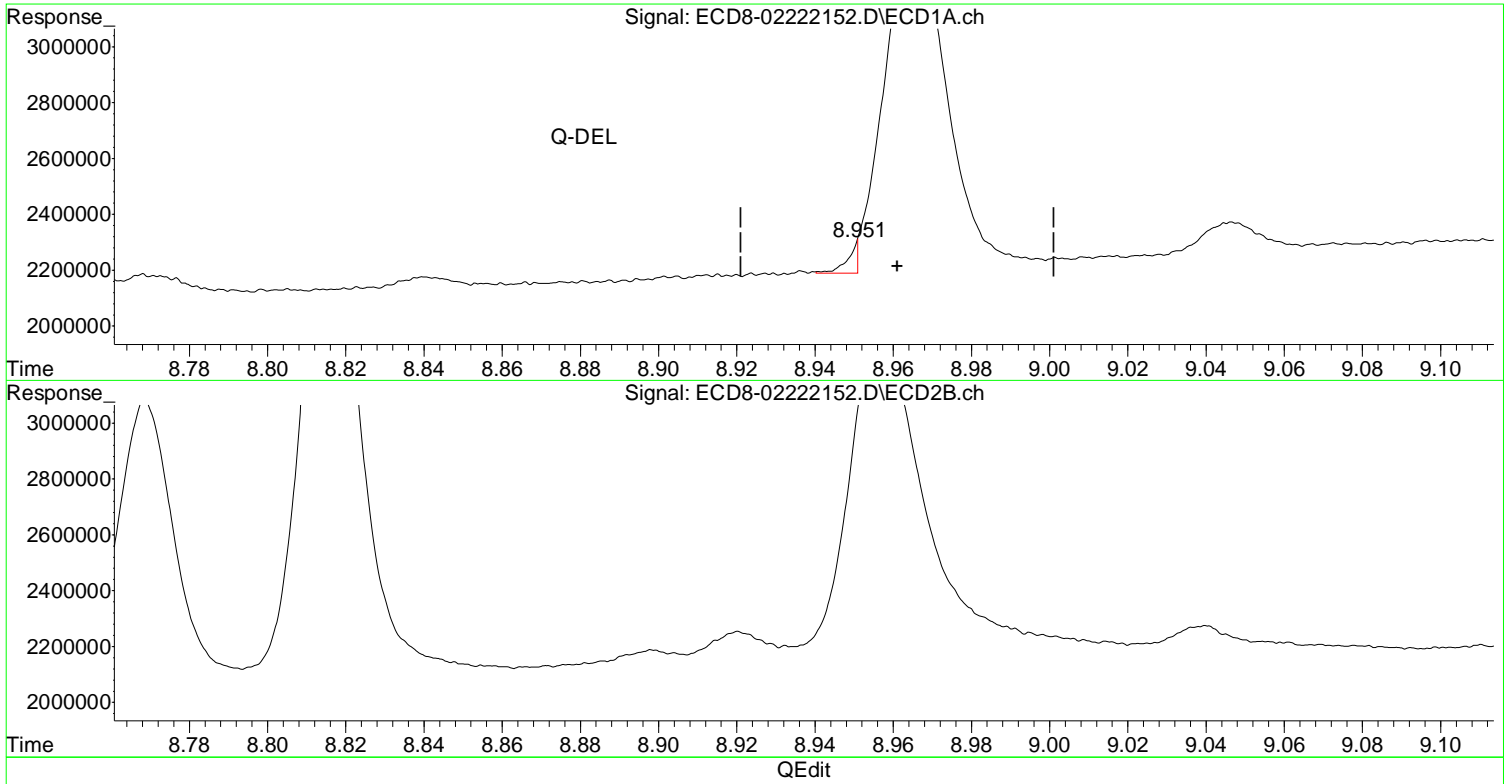
R = -9.14e+001 A\*A + 1.98e+006 A + 3.53e+005  
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2011 15:43:48 Page 21 of 523



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222152.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:29  
Operator : MJB  
Sample : 1B22071-CALZ  
Misc : A21B445, 9-42 0.5 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(31) Mirex

~~8.951min 21703.346 ng/mL m~~

response ~~113209~~

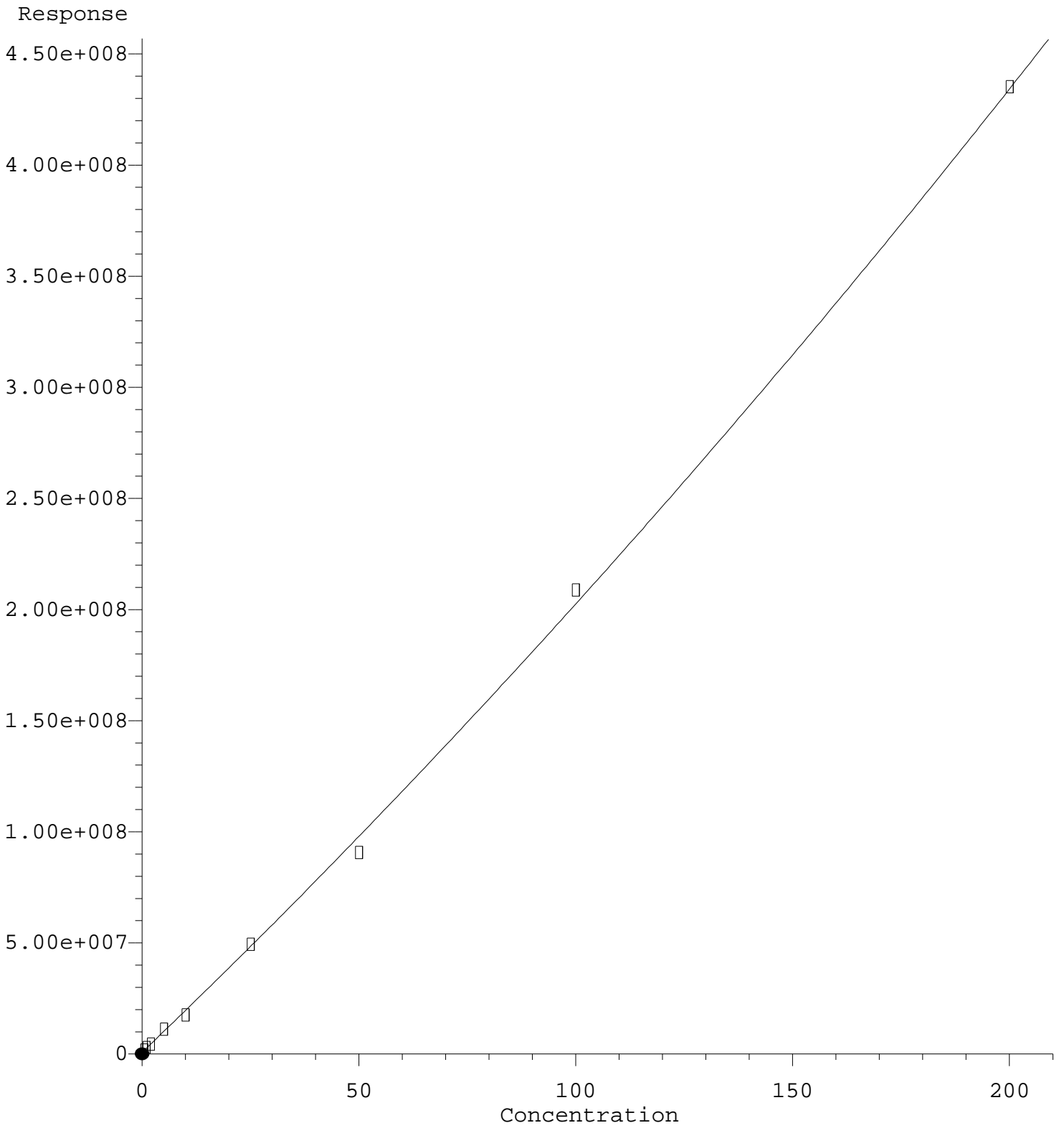
(31) Mirex #2

9.735min 0.476 ng/mL

response 1705947

(+) = Expected Retention Time

Mirex #2

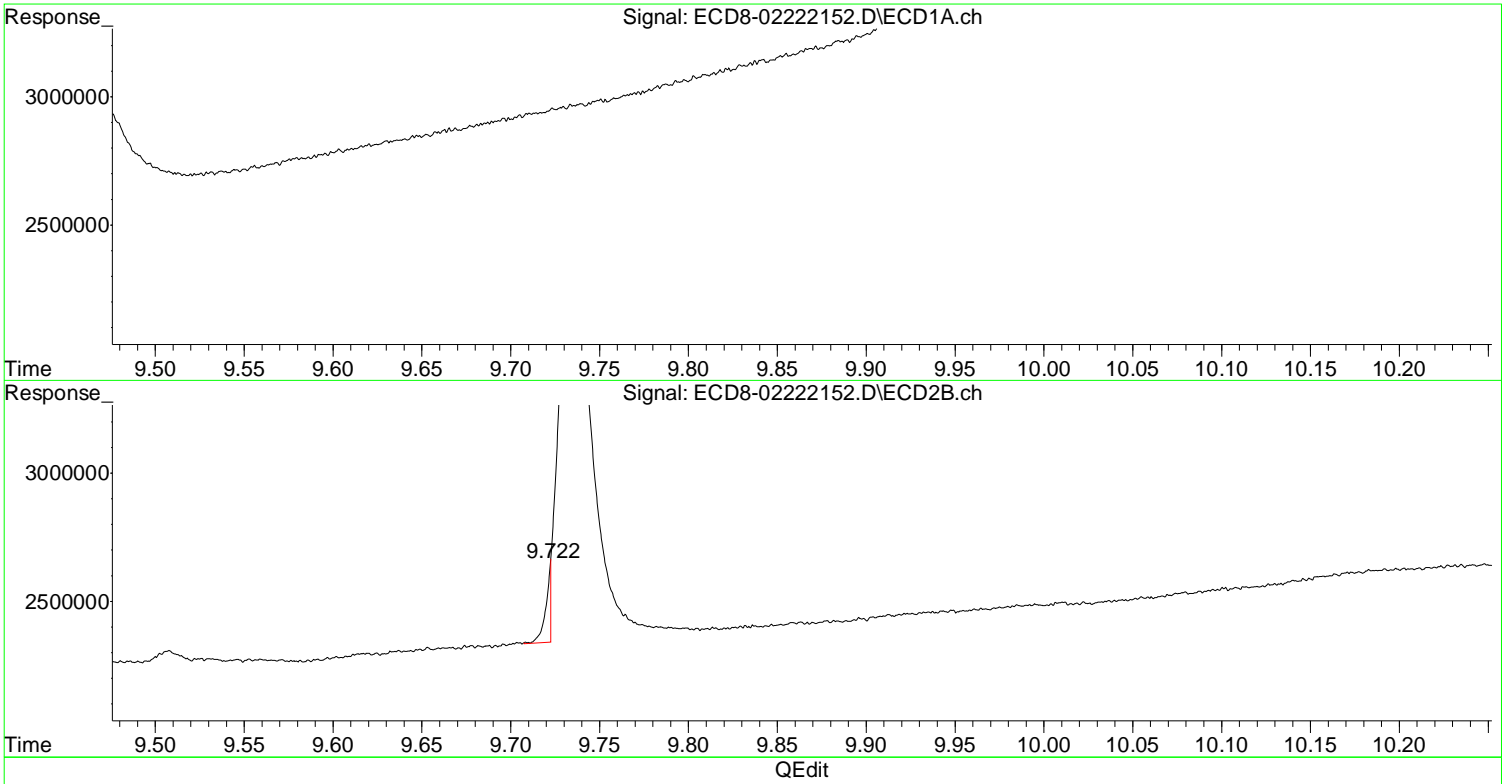


R = 1.51e+003 A\*A + 1.87e+006 A + 8.17e+005  
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2011 15:43:48  
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Quantitation Report (Qedit)

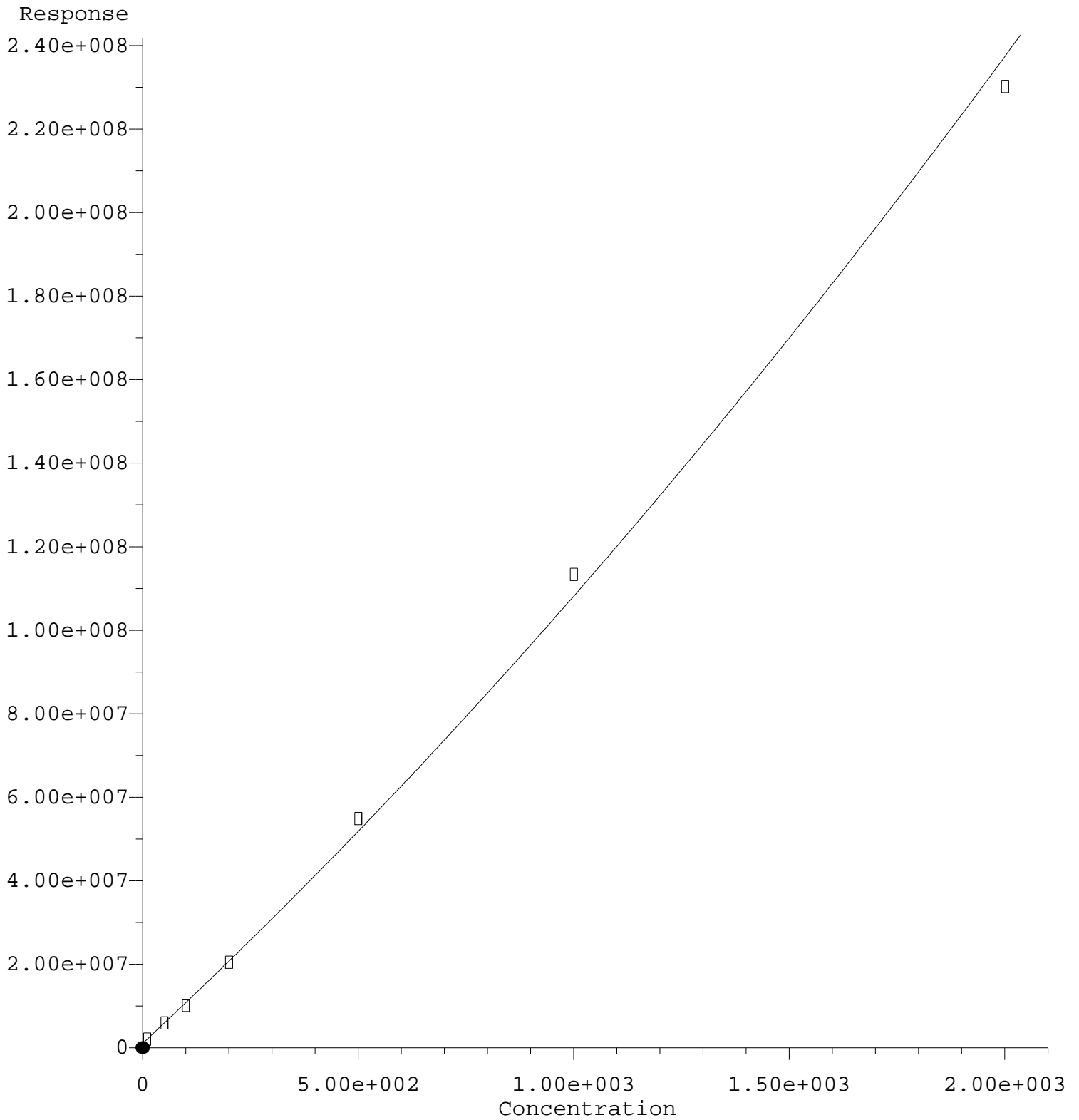
Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222152.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:29  
Operator : MJB  
Sample : 1B22071-CALZ  
Misc : A21B445, 9-42 0.5 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(31) Mirex  
8.951min 21703.346 ng/mL m  
response 113209  
  
(31) Mirex #2  
9.722min -0.272 ng/mL m  
response 309825

Chlordane (3) #2

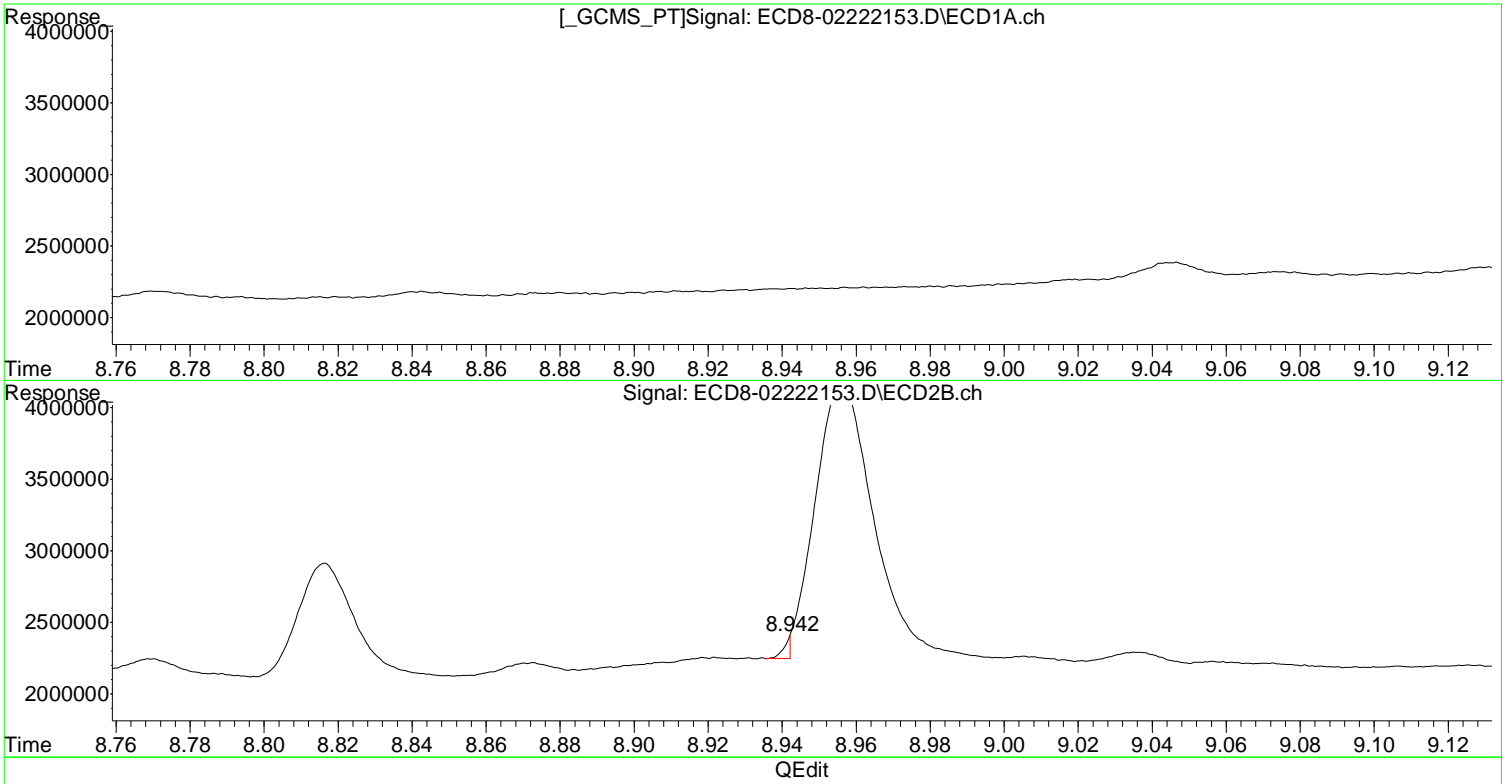


R = 1.11e+001 A\*A + 9.60e+004 A + 1.13e+006  
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2021  
File: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M Page 221 of 523

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222153.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:45  
Operator : MJB  
Sample : 1B22071-CALAA  
Misc : A21B446, CHLOR 10 ppb  
ALS Vial : 7 Sample Multiplier: 1

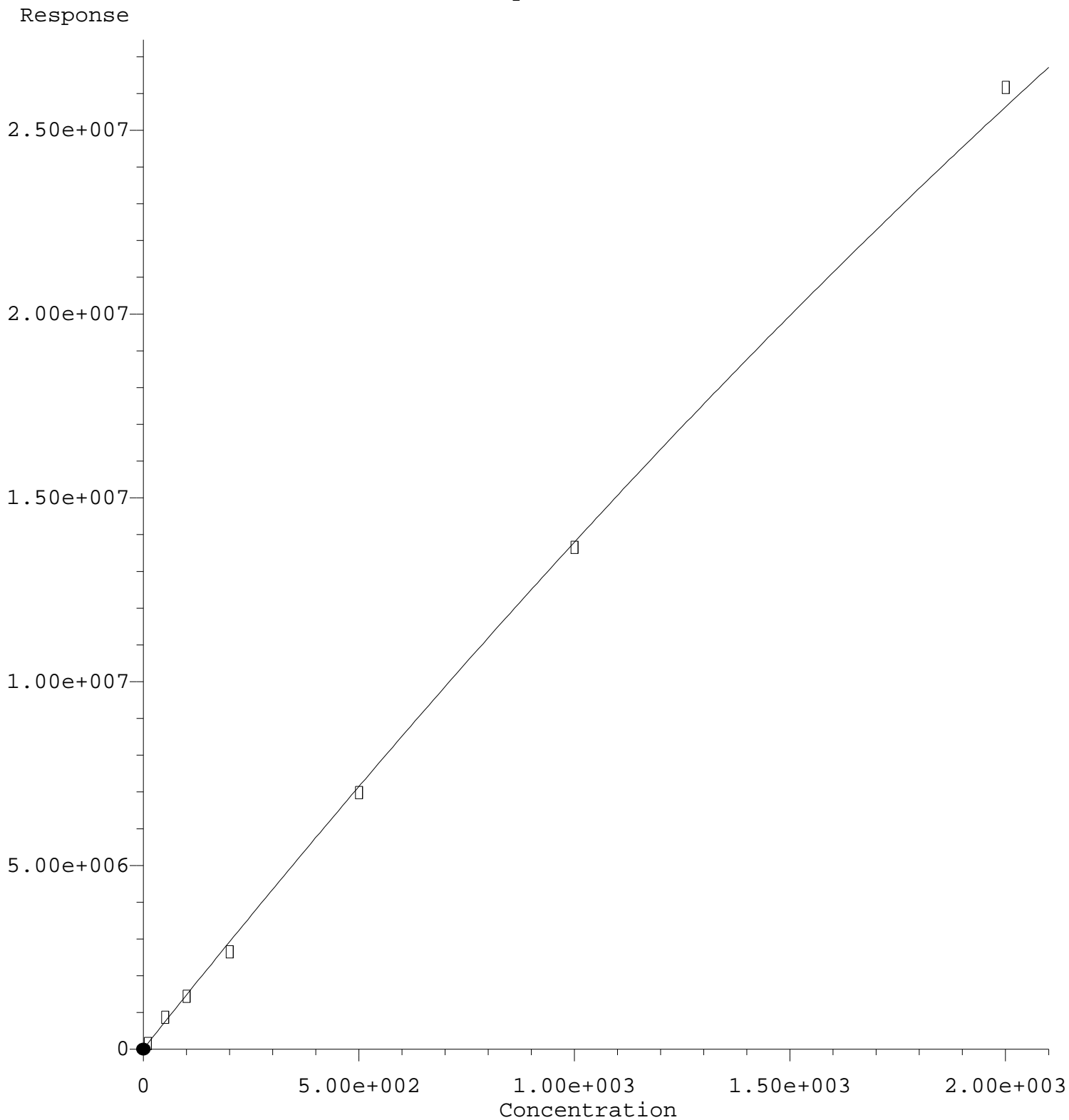
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:47 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(34) Chlordane (3)  
8.385min 9.947 ng/mL  
response 1049375

(34) Chlordane (3) #2  
8.942min -10.113 ng/mL m  
response 155564

Toxaphene (1)

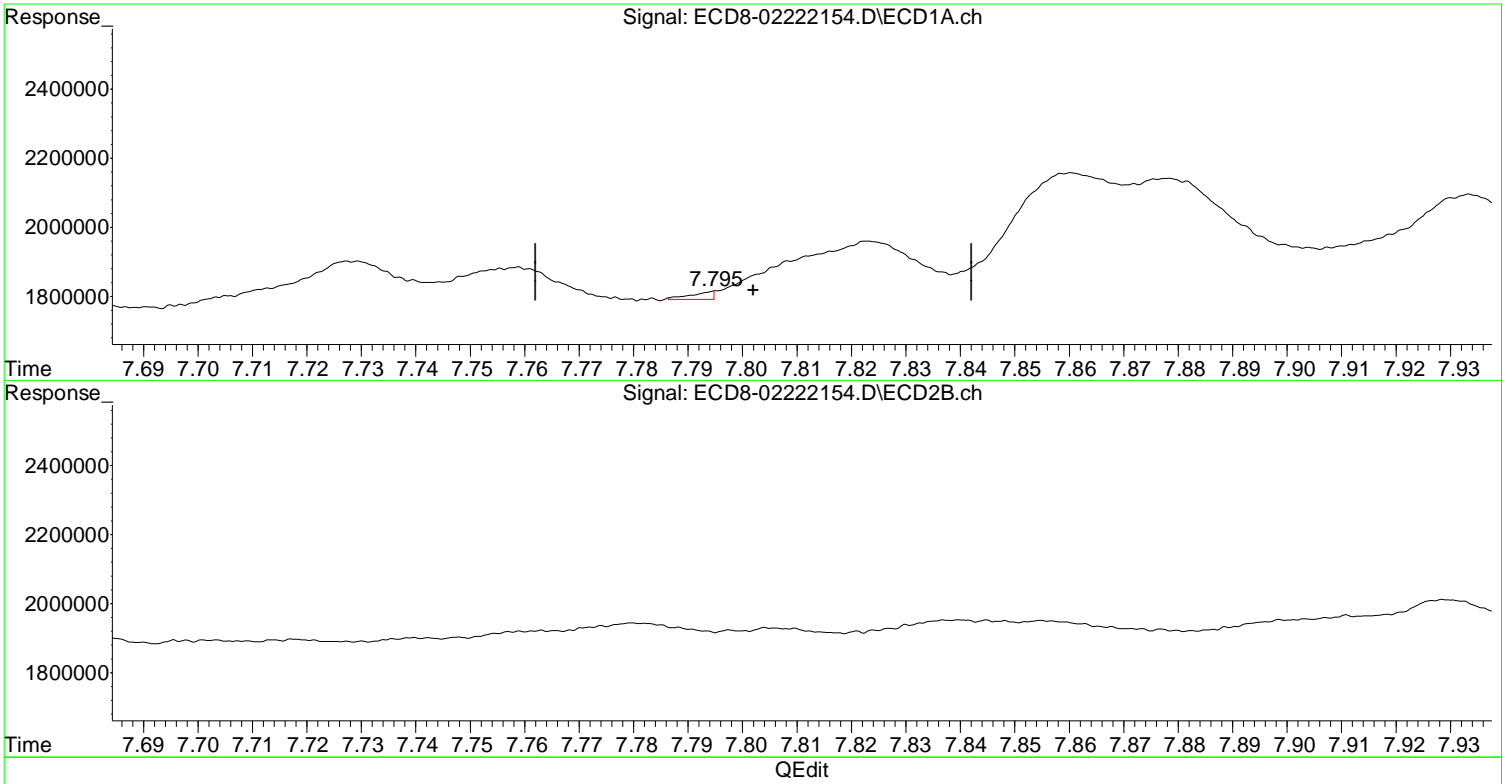


R = -9.74e-001 A\*A + 1.48e+004 A + 1.36e+004  
Coef of Det (r^2) = 0.992 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: Tue Feb 23 15:43:48 2021  
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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222154.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 14:01  
Operator : MJB  
Sample : 1B22071-CALAB  
Misc : A21B447, TOX 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:59 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation

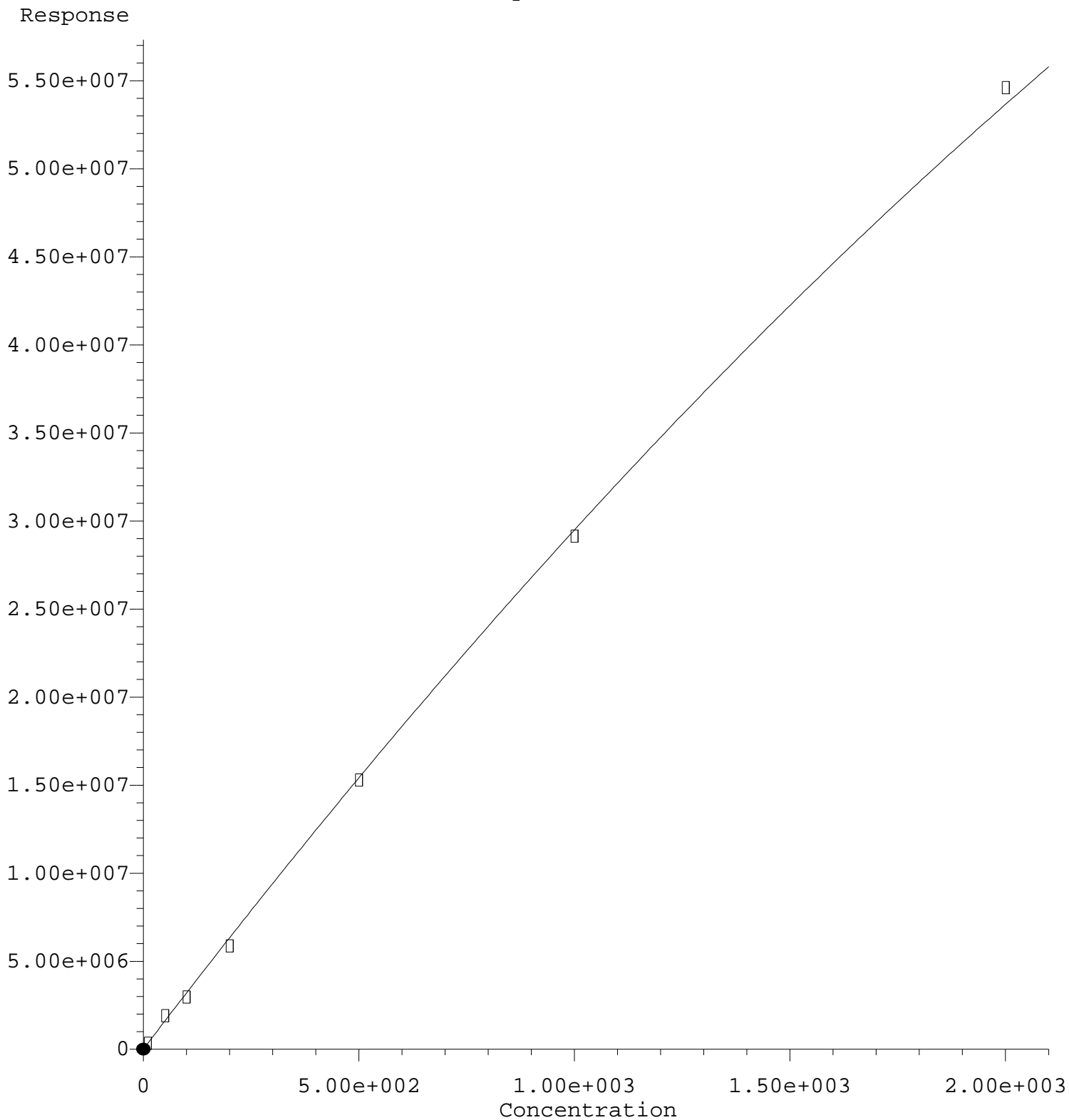


(36) Toxaphene (1)  
7.795min 0.751 ng/mL m  
response 24720

(36) Toxaphene (1) #2  
8.522min 11.209 ng/mL  
response 355295

(+) = Expected Retention Time

Toxaphene (2)



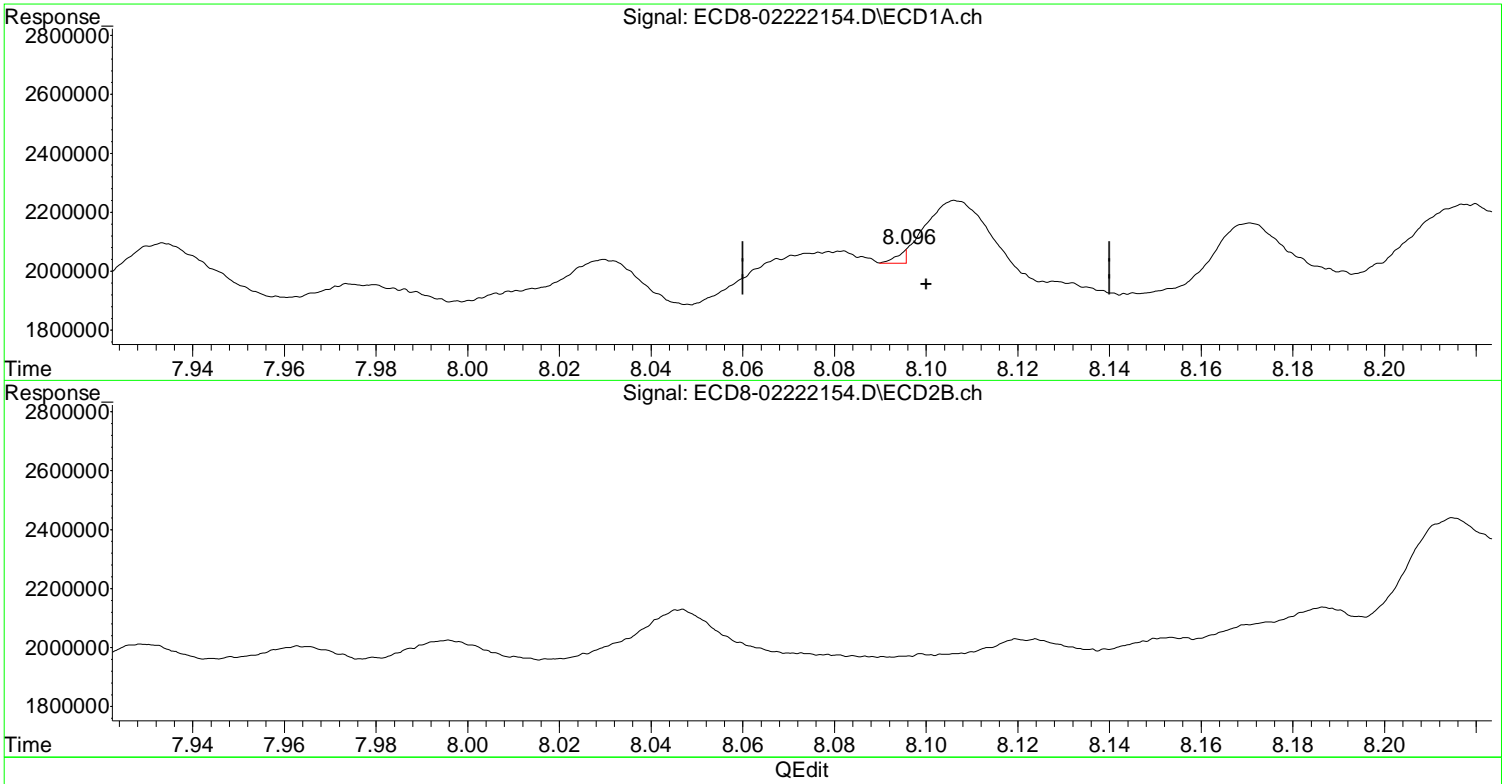
R = -2.66e+000 A\*A + 3.21e+004 A + 1.79e+004  
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: Tue Feb 23 15:43:48 2021  
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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222154.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 14:01  
Operator : MJB  
Sample : 1B22071-CALAB  
Misc : A21B447, TOX 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:59 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation

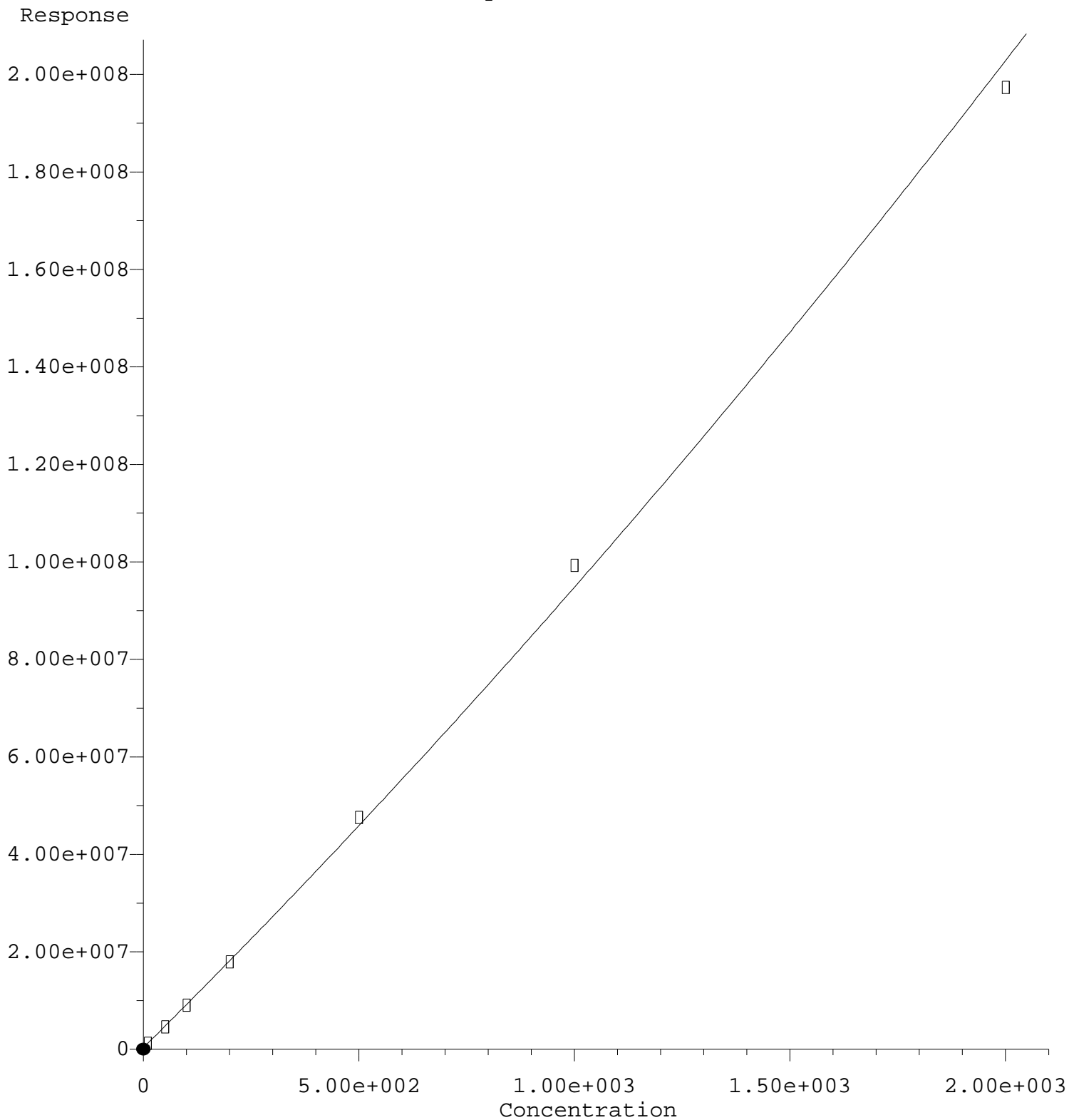


(37) Toxaphene (2)  
8.096min 0.932 ng/mL m  
response 47878

(37) Toxaphene (2) #2  
8.876min 10.232 ng/mL  
response 394935

(+) = Expected Retention Time

Toxaphene (4) #2

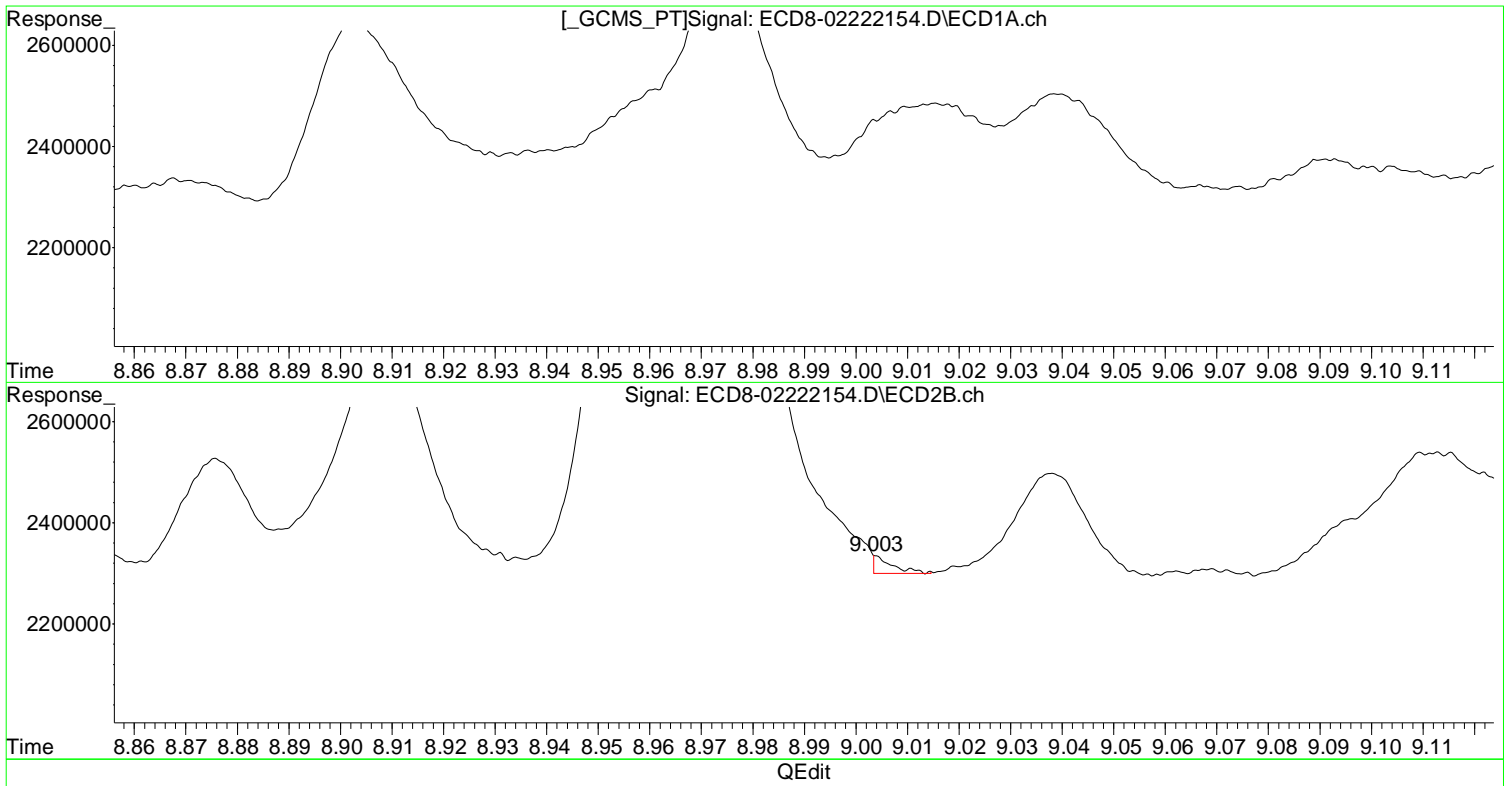


R = 6.78e+000 A\*A + 8.77e+004 A + 3.38e+005  
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: Tue Feb 23 15:43:48 2021  
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Quantitation Report (Qedit)

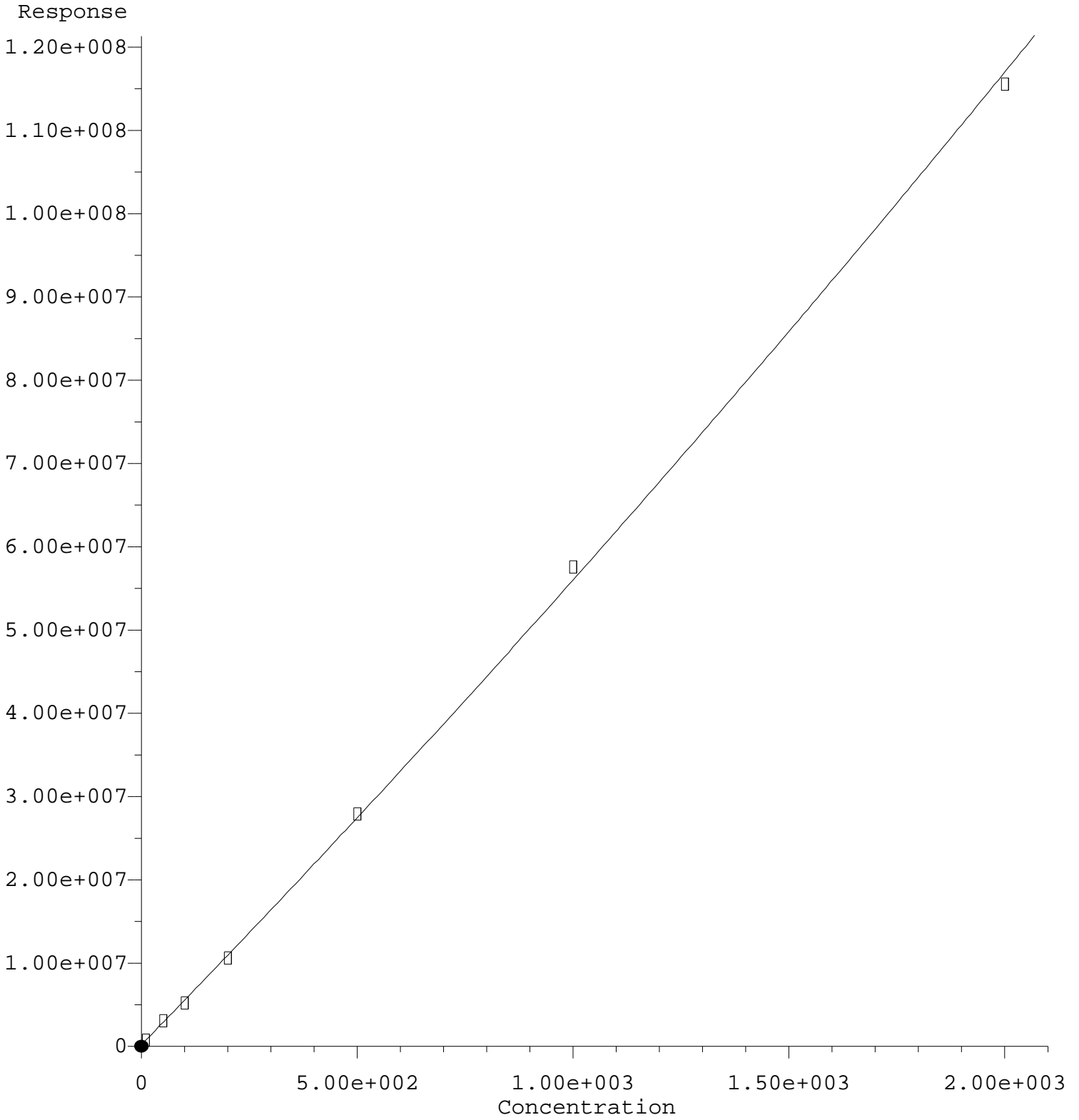
Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222154.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 14:01  
Operator : MJB  
Sample : 1B22071-CALAB  
Misc : A21B447, TOX 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:59 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(39) Toxaphene (4)  
8.667min 10.824 ng/mL  
response 682782  
  
(39) Toxaphene (4) #2  
9.003min -3.442 ng/mL m  
response 36127

Toxaphene (5) #2

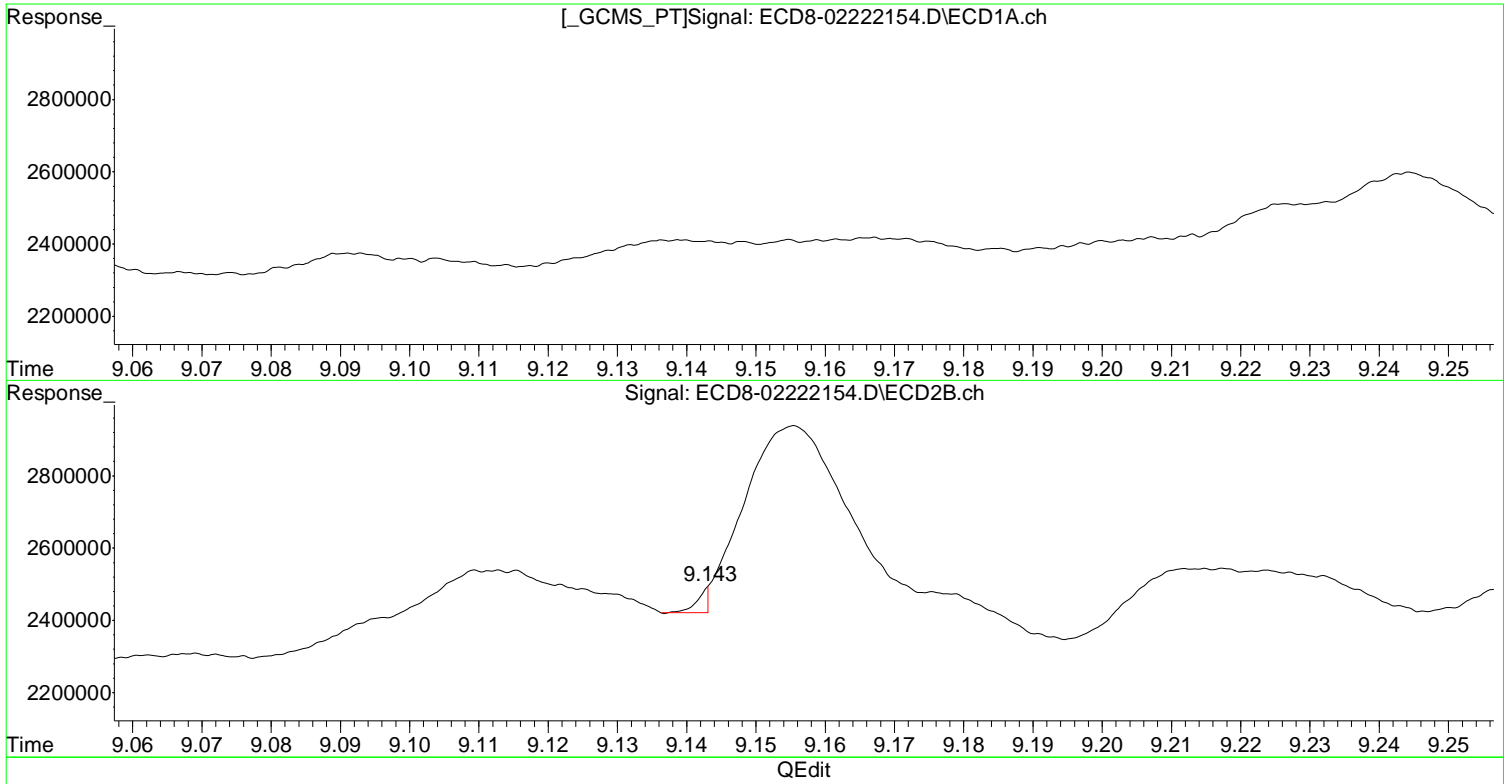


R = 2.59e+000 A\*A + 5.32e+004 A + 2.11e+005  
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)  
Method Name: C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Calibration Table Last Updated: 06/22/2021 15:43:48 Page 228 of 523

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222154.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 14:01  
Operator : MJB  
Sample : 1B22071-CALAB  
Misc : A21B447, TOX 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:59 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(40) Toxaphene (5)  
8.904min 8.420 ng/mL  
response 400097

(40) Toxaphene (5) #2  
9.143min -2.597 ng/mL m  
response 72365

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222105.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:27  
 Operator : MJB  
 Sample : 1B22071-ICB1  
 Misc : A21B195  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:35:57 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.678	6.057	306.9E6	356.1E6	95.707	104.596
22) S DCBP (S)	9.910	10.605	186.1E6	168.0E6	96.789	96.758
Target Compounds						
2) a-BHC	6.227	6.650	14723	103004	0.003	0.023 #
3) g-BHC	6.515	6.970	9111	164344	0.003	0.042 #
4) b-BHC	6.580	7.011	22569	107122	0.014	BelowCal #
5) Heptachlor	6.907	7.342	68348	190983	0.020	0.052 #
6) d-BHC	6.753	7.297	79673	220208	0.024	0.051 #
7) Aldrin	7.157	7.624	108592	508995	0.032	0.145 #
8) Heptachlo...	7.635	8.043	69475	146018	0.022	0.044 #
9) trans-Chl...	7.704	8.196	302996	920634	0.094	0.273 #
10) cis-Chlor...	7.833	8.292	684771	132593	0.217	0.041 #
11) Endosulfa...	7.930	8.345	54786	117829	0.019	0.039 #
12) 4,4'-DDE	7.871	8.392	139015	117470	0.040	0.033
13) Dieldrin	8.100	8.542	27518	166392	0.009	0.051 #
14) Endrin	8.272	8.767	21401	99410	0.008	0.043 #
15) 4,4'-DDD	8.303	8.822	14644	111044	0.005	0.039 #
16) Endosulfa...	8.432	8.915	65984	118537	0.026	0.044 #
17) 4,4'-DDT	8.505	9.027	25751	86298	0.011	0.000 #
18) Endrin Al...	8.731	9.151	637521	642812	BelowCal	BelowCal
19) Endosulfa...	9.040	9.346	230418	152108	0.092	0.057 #
20) Methoxychlor	8.834	9.496	78260	36705	0.063	0.028 #
21) Endrin Ke...	9.242	9.723	263434	379102	0.088	BelowCal #
23) Hexachlor...	0.000	3.782	0	38781	N.D.	0.010 #
24) Hexachlor...	6.066	6.522	572480	101656	0.176	0.028 #
25) Oxychlorane	7.554	7.993f	64664	120731	0.023	0.041 #
26) 2,4'-DDE	7.635	8.151	69475	124310	0.031	0.053 #
27) trans-Non...	7.794	8.274f	89336	127731	0.028	0.038 #
28) 2,4'-DDD	7.975f	8.542	29184	166392	0.015	BelowCal #
29) 2,4'-DDT	8.180	8.767	18768	99410	0.009	0.047 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222105.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:27  
 Operator : MJB  
 Sample : 1B22071-ICB1  
 Misc : A21B195  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:35:57 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

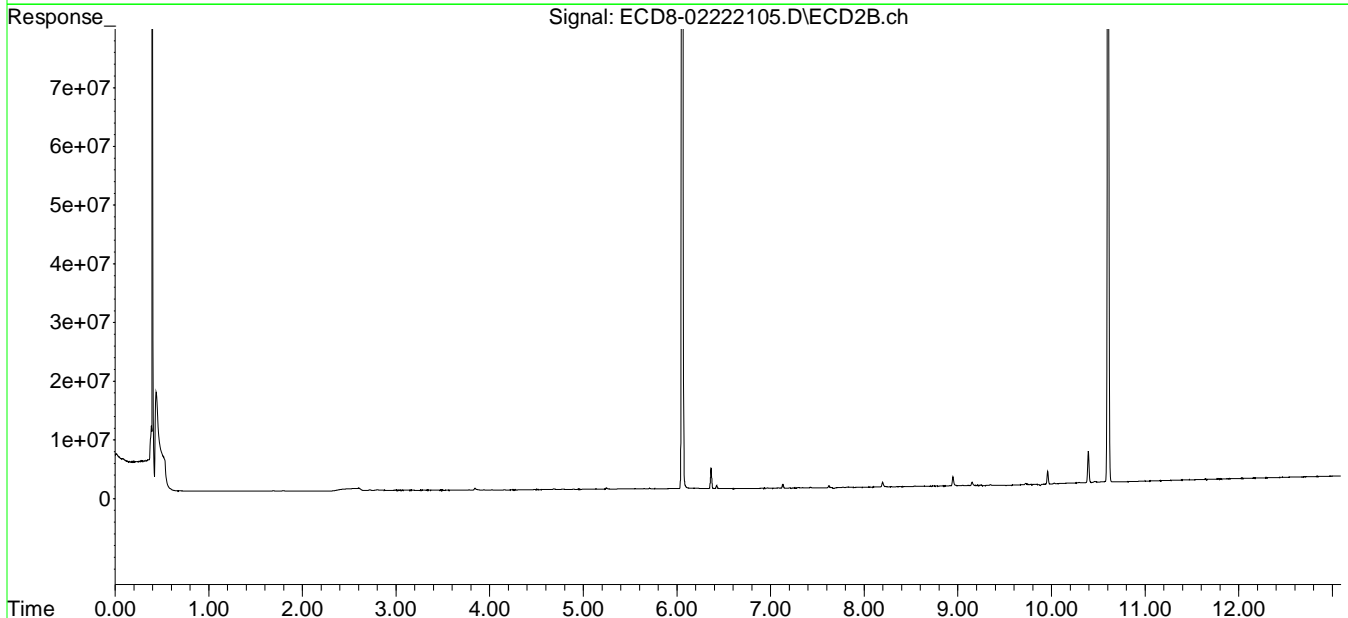
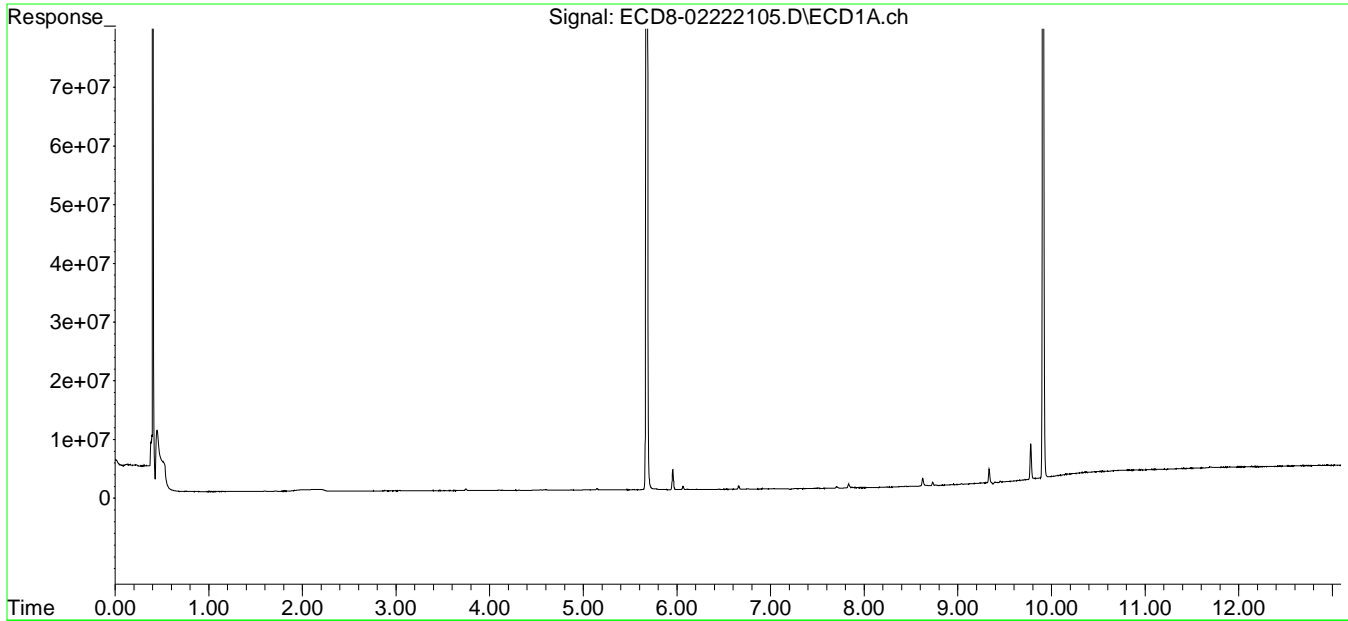
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.272	8.822	21401	111044	0.006	0.031 #
31)	Mirex	8.959	9.723	121922	379102	21703.341	BelowCal #
32)	Chlordane...	7.704	8.196	302996	920634	0.866	2.281 #
33)	Chlordane...	7.833	8.292	684771	132593	1.970	0.393 #
34)	Chlordane...	8.381	8.947	45329	1620031	0.430	5.153 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.794	8.511	89336	91009	5.131	2.871 #
37)	Toxaphene...	8.100	8.858	27518	52072	0.298	1.349 #
38)	Toxaphene...	8.416	8.915	24610	118537	0.426	2.052 #
39)	Toxaphene...	8.665	8.947f	131974	1620031	2.092	14.600 #
40)	Toxaphene...	8.899	9.151	83754	642812	1.763	8.118 #
41)	Toxaphene...	8.959	9.538	121922	47573	2.263	0.829 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222105.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 19:27  
Operator : MJB  
Sample : 1B22071-ICB1  
Misc : A21B195  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:35:57 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation

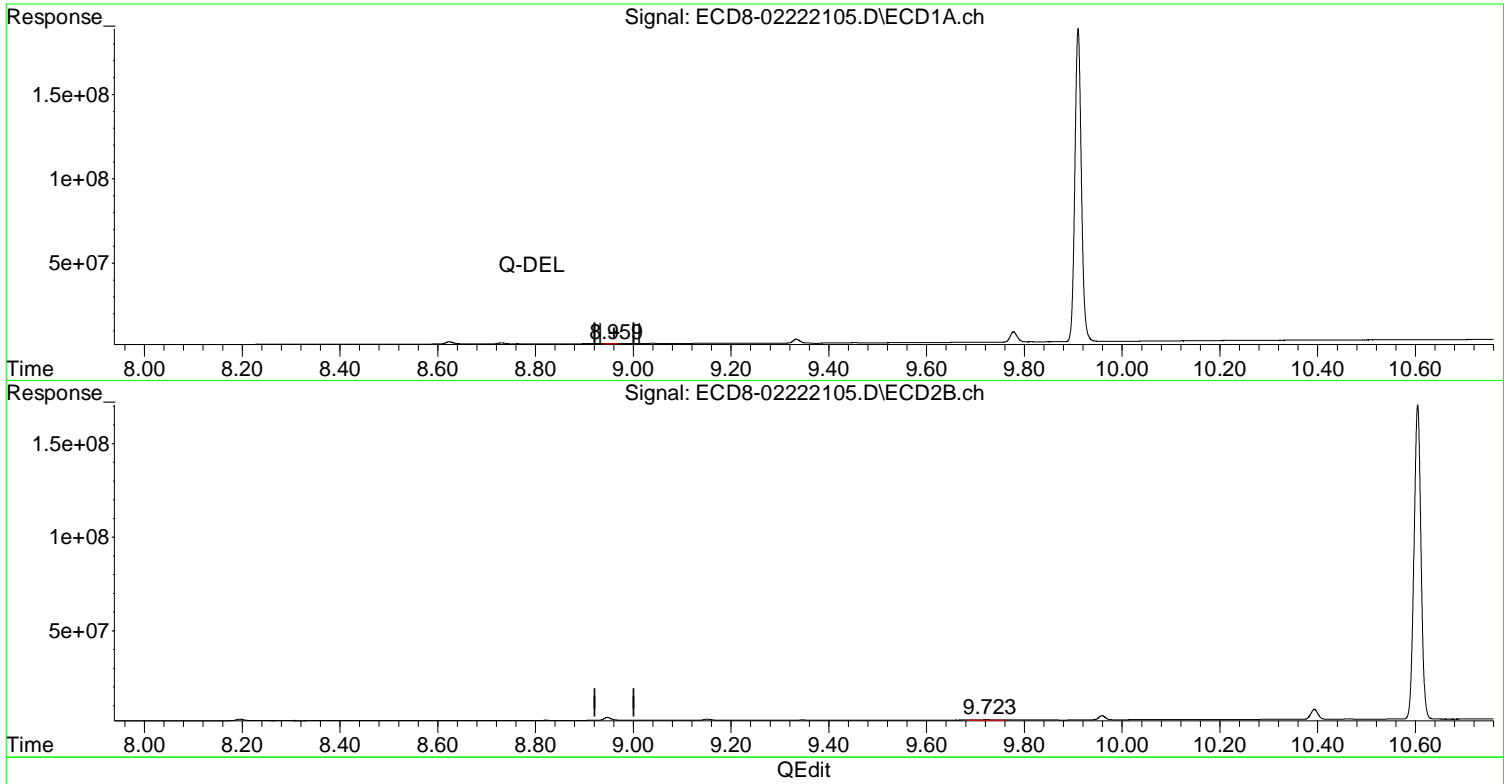




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222105.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 19:27  
Operator : MJB  
Sample : 1B22071-ICB1  
Misc : A21B195  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:35:57 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(31) Mirex  
~~8.959min 21703.341 ng/mL~~  
response ~~124022~~

(31) Mirex #2  
9.723min -0.235 ng/mL  
response 379102

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222105.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:27  
 Operator : MJB  
 Sample : 1B22071-ICB1  
 Misc : A21B195  
 ALS Vial : 3 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:35:57 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.678	6.057	306.9E6	356.1E6	95.707	104.596
22) S DCBP (S)	9.910	10.605	186.1E6	168.0E6	96.789	96.758
Target Compounds						
2) a-BHC	6.227	6.650	14723	103004	0.003	0.023 #
3) g-BHC	6.515	6.970	9111	164344	0.003	0.042 #
4) b-BHC	6.580	7.011	22569	107122	0.014	BelowCal #
5) Heptachlor	6.907	7.342	68348	190983	0.020	0.052 #
6) d-BHC	6.753	7.297	79673	220208	0.024	0.051 #
7) Aldrin	7.157	7.624	108592	508995	0.032	0.145 #
8) Heptachlo...	7.635	8.043	69475	146018	0.022	0.044 #
9) trans-Chl...	7.704	8.196	302996	920634	0.094	0.273 #
10) cis-Chlor...	7.833	8.292	684771	132593	0.217	0.041 #
11) Endosulfa...	7.930	8.345	54786	117829	0.019	0.039 #
12) 4,4'-DDE	7.871	8.392	139015	117470	0.040	0.033
13) Dieldrin	8.100	8.542	27518	166392	0.009	0.051 #
14) Endrin	8.272	8.767	21401	99410	0.008	0.043 #
15) 4,4'-DDD	8.303	8.822	14644	111044	0.005	0.039 #
16) Endosulfa...	8.432	8.915	65984	118537	0.026	0.044 #
17) 4,4'-DDT	8.505	9.027	25751	86298	0.011	0.000 #
18) Endrin Al...	8.731	9.151	637521	642812	BelowCal	BelowCal
19) Endosulfa...	9.040	9.346	230418	152108	0.092	0.057 #
20) Methoxychlor	8.834	9.496	78260	36705	0.063	0.028 #
21) Endrin Ke...	9.242	9.723	263434	379102	0.088	BelowCal #
23) Hexachlor...	0.000	3.782	0	38781	N.D.	0.010 #
24) Hexachlor...	6.066	6.522	572480	101656	0.176	0.028 #
25) Oxychlorane	7.554	7.993f	64664	120731	0.023	0.041 #
26) 2,4'-DDE	7.635	8.151	69475	124310	0.031	0.053 #
27) trans-Non...	7.794	8.274f	89336	127731	0.028	0.038 #
28) 2,4'-DDD	7.975f	8.542	29184	166392	0.015	BelowCal #
29) 2,4'-DDT	8.180	8.767	18768	99410	0.009	0.047 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222105.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:27  
 Operator : MJB  
 Sample : 1B22071-ICB1  
 Misc : A21B195  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:35:57 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

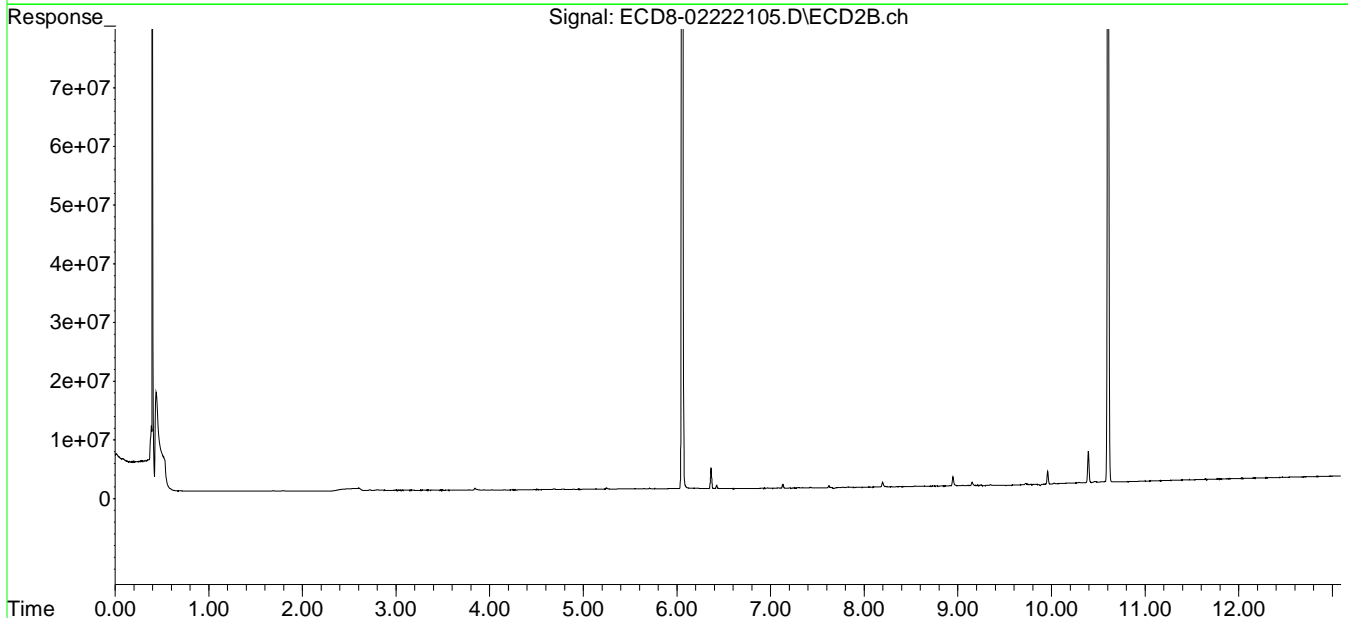
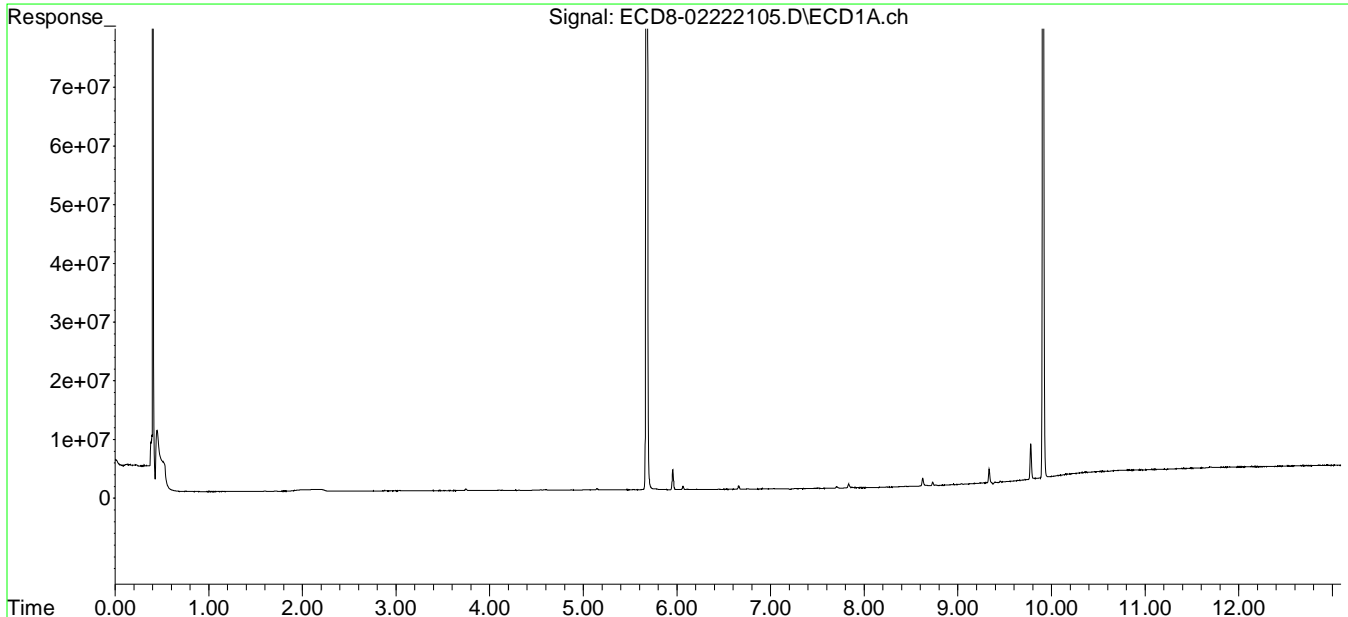
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.272	8.822	21401	111044	0.006	0.031	#
31)	Mirex	0.000	9.723	0	379102	N.D.	d BelowCal	
32)	Chlordane...	7.704	8.196	302996	920634	0.866	2.281	#
33)	Chlordane...	7.833	8.292	684771	132593	1.970	0.393	#
34)	Chlordane...	8.381	8.947	45329	1620031	0.430	5.153	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.794	8.511	89336	91009	5.131	2.871	#
37)	Toxaphene...	8.100	8.858	27518	52072	0.298	1.349	#
38)	Toxaphene...	8.416	8.915	24610	118537	0.426	2.052	#
39)	Toxaphene...	8.665	8.947f	131974	1620031	2.092	14.600	#
40)	Toxaphene...	8.899	9.151	83754	642812	1.763	8.118	#
41)	Toxaphene...	8.959	9.538	121922	47573	2.263	0.829	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222105.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 19:27  
Operator : MJB  
Sample : 1B22071-ICB1  
Misc : A21B195  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:35:57 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



CLEAN

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222115.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:09  
 Operator : MJB  
 Sample : 1B22071-IBL1  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:05 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.674	6.055	27300	68136	0.009	0.020 #
22) S DCBP (S)	9.917	10.612	335231	90015	1931.171	BelowCal #
Target Compounds						
2) a-BHC	6.222	6.651	5848	29289	0.001	0.006 #
3) g-BHC	6.515	6.971	16225	30106	0.004	0.008 #
4) b-BHC	6.612	7.044	12183	33243	0.008	BelowCal #
5) Heptachlor	6.916	7.348	35685	109448	0.010	0.030 #
6) d-BHC	6.733	7.290	10347	83172	0.003	0.013 #
7) Aldrin	7.159	7.609	35877	91102	0.010	0.026 #
8) Heptachlo...	7.635	8.046	36598	67942	0.012	0.021 #
9) trans-Chl...	7.723	8.203f	29500	464609	0.009	0.138 #
10) cis-Chlor...	7.823	8.291	29859	93902	0.009	0.029 #
11) Endosulfa...	7.927	8.346	31497	60464	0.011	0.020 #
12) 4,4'-DDE	7.845f	8.394	327455	51756	0.095	0.015 #
13) Dieldrin	8.101	8.548	35800	99272	0.011	0.030 #
14) Endrin	8.272	8.772	29848	60143	0.012	0.027 #
15) 4,4'-DDD	8.309	8.831f	23077	70073	0.009	0.025 #
16) Endosulfa...	8.438	8.919	62520	97124	0.025	0.036 #
17) 4,4'-DDT	8.496	9.013	27248	85950	0.011	0.000 #
18) Endrin Al...	8.736	9.154	520495	589147	BelowCal	BelowCal
19) Endosulfa...	9.044	9.350	143357	158780	0.057	0.059
20) Methoxychlor	8.835	9.506	18458	24061	0.015	0.018
21) Endrin Ke...	9.244	9.729	111312	308589	0.037	BelowCal #
23) Hexachlor...	3.472	3.781	29193	206840	0.008	0.052 #
24) Hexachlor...	0.000	6.519	0	17838	N.D.	0.005 #
25) Oxychlordan	7.527f	7.951f	33925	63775	0.012	0.022 #
26) 2,4'-DDE	7.614	8.203f	29969	464609	0.013	0.200 #
27) trans-Non...	7.801	0.000	20434	0	0.006	N.D. #
28) 2,4'-DDD	8.008	8.548	10493	99272	0.006	BelowCal #
29) 2,4'-DDT	8.173	8.772	9493	60143	0.005	0.029 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222115.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:09  
 Operator : MJB  
 Sample : 1B22071-IBL1  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:05 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

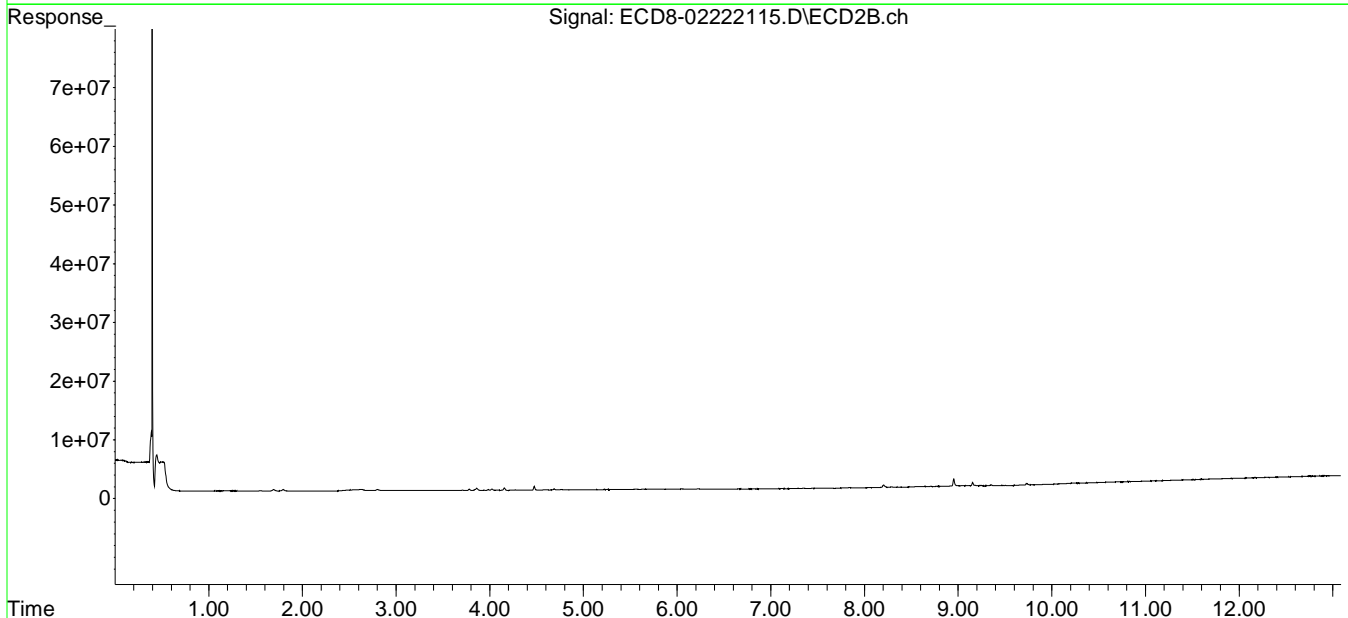
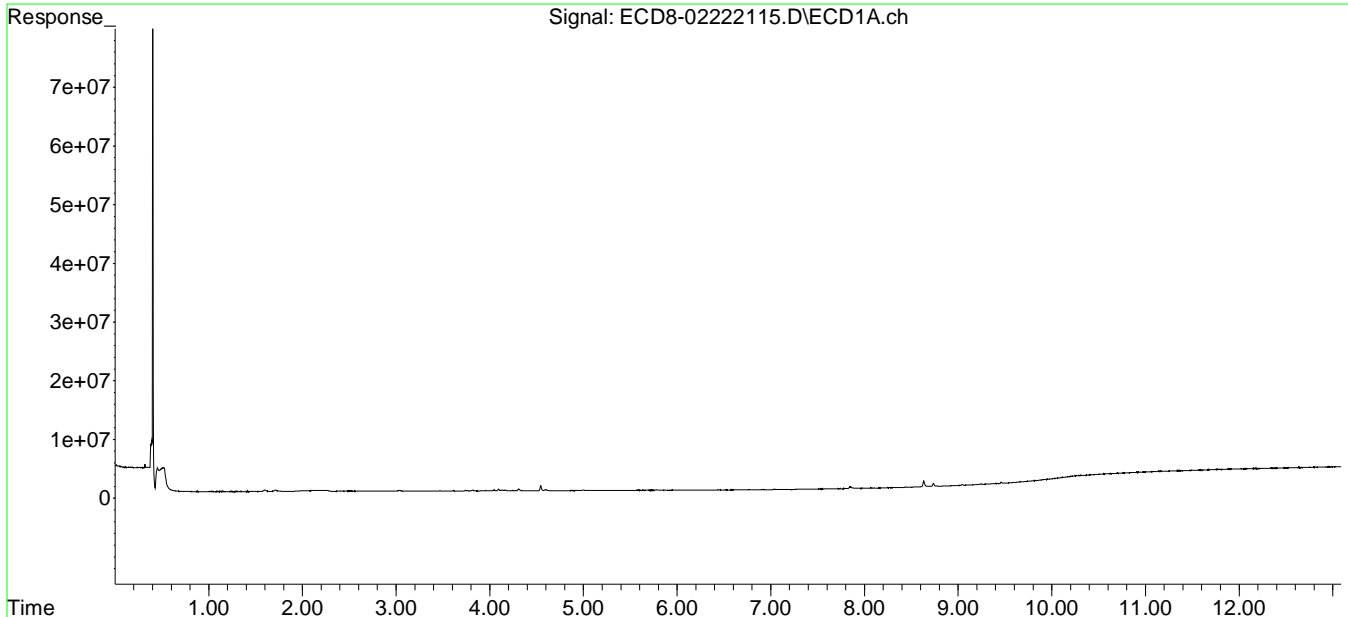
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.272	8.831	29848	70073	0.009	0.020 #
31)	Mirex	8.960	9.729	36031	308589	21703.385	BelowCal #
32)	Chlordane...	7.723	8.203f	29500	464609	0.084	1.151 #
33)	Chlordane...	7.811	8.291	21821	93902	0.063	0.278 #
34)	Chlordane...	8.379	8.952	13947	1281591	0.132	1.630 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.801	8.505	20434	55741	0.461	1.758 #
37)	Toxaphene...	8.101	8.831f	35800	70073	0.556	1.816 #
38)	Toxaphene...	8.438	8.919	62520	97124	1.083	1.682 #
39)	Toxaphene...	8.678	8.952	58744	1281591	0.931	10.749 #
40)	Toxaphene...	8.877	9.154	7436	589147	0.156	7.111 #
41)	Toxaphene...	8.977	9.506f	16341	24061	0.303	0.419 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222115.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 22:09  
Operator : MJB  
Sample : 1B22071-IBL1  
Misc : Instrument Blank  
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:38:05 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:25  
 Operator : MJB  
 Sample : 1B22071-ICV1  
 Misc : A20I130, AB 50 ppb  
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	170.9E6	186.7E6	53.308	54.850
22) S DCBP (S)	9.916	10.612	95450999	86677370	48.224	50.040
Target Compounds						
2) a-BHC	6.228	6.651	225.0E6	253.7E6	52.880	55.979
3) g-BHC	6.515	6.968	197.2E6	218.2E6	54.327	55.872
4) b-BHC	6.594	7.032	81828768	91465899	52.320	54.242
5) Heptachlor	6.914	7.342	180.6E6	203.1E6	52.657	55.086
6) d-BHC	6.747	7.281	191.0E6	219.6E6	56.564	55.915
7) Aldrin	7.157	7.607	192.2E6	202.3E6	55.916	57.507
8) Heptachlo...	7.629	8.044	164.0E6	173.6E6	52.004	52.463
9) trans-Chl...	7.721	8.183	164.3E6	185.3E6	51.009	54.980
10) cis-Chlor...	7.820	8.292	159.5E6	174.7E6	50.615	53.878
11) Endosulfa...	7.925	8.342	148.6E6	160.6E6	51.228	53.346
12) 4,4'-DDE	7.870	8.392	175.0E6	192.4E6	50.829	54.755
13) Dieldrin	8.100	8.542	169.9E6	179.8E6	53.574	54.665
14) Endrin	8.271	8.768	140.4E6	148.4E6	54.286	55.892
15) 4,4'-DDD	8.303	8.808	142.4E6	155.4E6	52.615	55.013
16) Endosulfa...	8.433	8.915	128.9E6	143.5E6	51.206	53.731
17) 4,4'-DDT	8.501	9.035	135.0E6	144.6E6	55.066	56.260
18) Endrin Al...	8.731	9.153	126.8E6	138.9E6	57.748	56.415
19) Endosulfa...	9.041	9.349	127.1E6	138.5E6	50.831	51.916
20) Methoxychlor	8.833	9.504	66754031	70843023	53.360	53.844
21) Endrin Ke...	9.243	9.745	151.4E6	166.0E6	50.816	57.020
23) Hexachlor...	3.455	3.780	7009	43849	0.002	0.011 #
24) Hexachlor...	6.064	6.530	414884	114692	0.127	0.032 #
25) Oxychlorane	7.561	7.964	301972	141269	0.110	0.048 #
26) 2,4'-DDE	7.629	8.183	164.0E6	185.3E6	73.384	79.736
27) trans-Non...	7.820	8.248	159.5E6	475361	50.197	0.141 #
28) 2,4'-DDD	8.015	8.542	738174	179.8E6	0.390	88.557 #
29) 2,4'-DDT	8.180	8.768	701540	148.4E6	0.348	70.504 #



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:25  
 Operator : MJB  
 Sample : 1B22071-ICV1  
 Misc : A20I130, AB 50 ppb  
 ALS Vial : 13 Sample Multiplier: 1

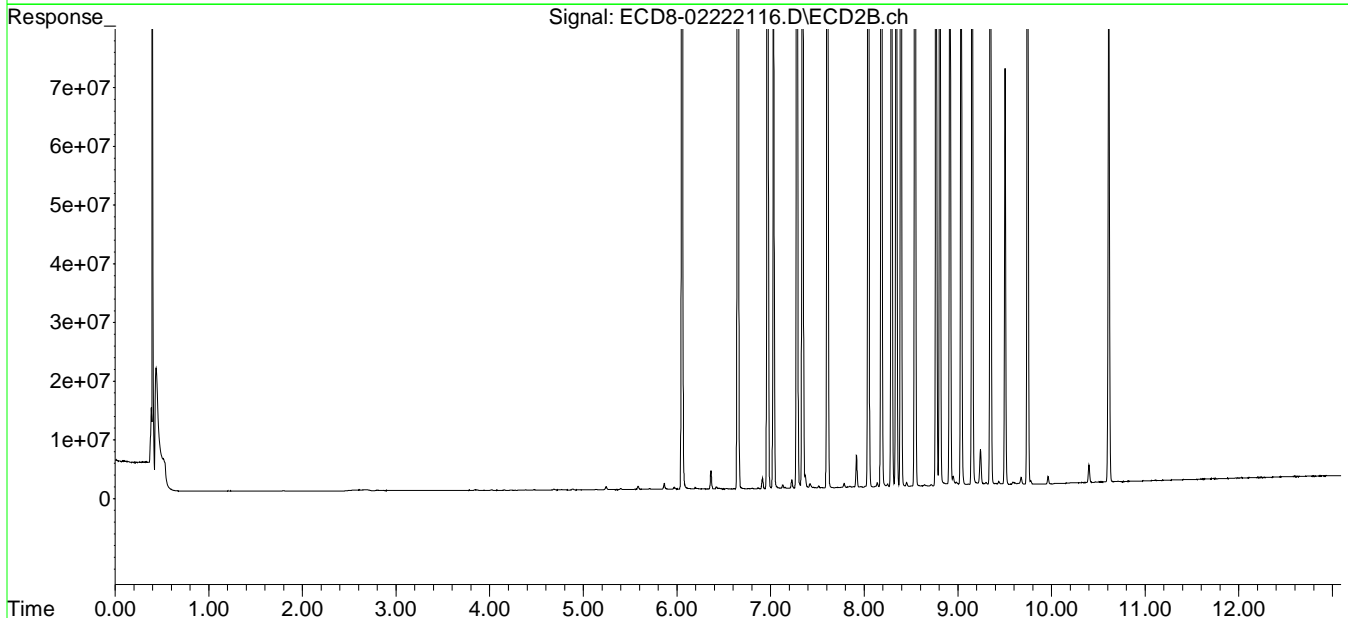
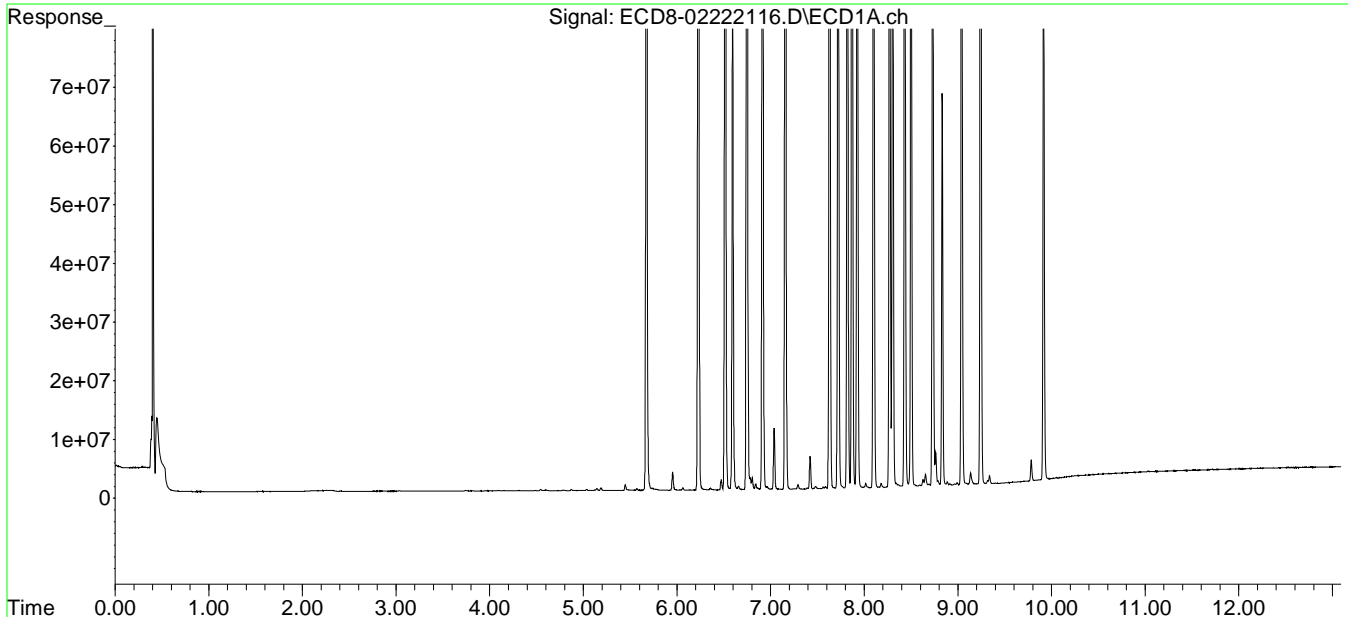
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.271	8.808	140.4E6	155.4E6	41.851	43.307
31)	Mirex	8.965	9.745	178548	166.0E6	21703.313	82.952 #
32)	Chlordane...	7.721	8.183	164.3E6	185.3E6	469.768	459.223
33)	Chlordane...	7.820	8.292	159.5E6	174.7E6	458.967	517.777
34)	Chlordane...	8.364	8.949	385556	1631430	3.655	5.272 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.820	8.502	159.5E6	96510	BelowCal	3.045
37)	Toxaphene...	8.100	0.000	169.9E6	0	BelowCal	N.D.
38)	Toxaphene...	8.433	8.915	128.9E6	143.5E6	2232.373	2484.515
39)	Toxaphene...	8.653	8.983	1976616	626368	31.335	3.287 #
40)	Toxaphene...	8.887	9.153	563209	138.9E6	11.853	2338.750 #
41)	Toxaphene...	8.965	9.504f	178548	70843023	3.314	1234.055 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:25  
 Operator : MJB  
 Sample : 1B22071-ICV1  
 Misc : A20I130, AB 50 ppb  
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:25  
 Operator : MJB  
 Sample : 1B22071-ICV1  
 Misc : A20I130, AB 50 ppb  
 ALS Vial : 13 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	170.9E6	186.7E6	53.308	54.850
22) S DCBP (S)	9.916	10.612	95450999	86677370	48.224	50.040
Target Compounds						
2) a-BHC	6.228	6.651	225.0E6	253.7E6	52.880	55.979
3) g-BHC	6.515	6.968	197.2E6	218.2E6	54.327	55.872
4) b-BHC	6.594	7.032	81828768	91465899	52.320	54.242
5) Heptachlor	6.914	7.342	180.6E6	203.1E6	52.657	55.086
6) d-BHC	6.747	7.281	191.0E6	219.6E6	56.564	55.915
7) Aldrin	7.157	7.607	192.2E6	202.3E6	55.916	57.507
8) Heptachlo...	7.629	8.044	164.0E6	173.6E6	52.004	52.463
9) trans-Chl...	7.721	8.183	164.3E6	185.3E6	51.009	54.980
10) cis-Chlor...	7.820	8.292	159.5E6	174.7E6	50.615	53.878
11) Endosulfa...	7.925	8.342	148.6E6	160.6E6	51.228	53.346
12) 4,4'-DDE	7.870	8.392	175.0E6	192.4E6	50.829	54.755
13) Dieldrin	8.100	8.542	169.9E6	179.8E6	53.574	54.665
14) Endrin	8.271	8.768	140.4E6	148.4E6	54.286	55.892
15) 4,4'-DDD	8.303	8.808	142.4E6	155.4E6	52.615	55.013
16) Endosulfa...	8.433	8.915	128.9E6	143.5E6	51.206	53.731
17) 4,4'-DDT	8.501	9.035	135.0E6	144.6E6	55.066	56.260
18) Endrin Al...	8.731	9.153	126.8E6	138.9E6	57.748	56.415
19) Endosulfa...	9.041	9.349	127.1E6	138.5E6	50.831	51.916
20) Methoxychlor	8.833	9.504	66754031	70843023	53.360	53.844
21) Endrin Ke...	9.243	9.745	151.4E6	166.0E6	50.816	57.020
23) Hexachlor...	3.455	3.780	7009	43849	0.002	0.011 #
24) Hexachlor...	6.064	6.530	414884	114692	0.127	0.032 #
25) Oxychlorane	7.561	7.964	301972	141269	0.110	0.048 #
26) 2,4'-DDE	7.629	8.183	164.0E6	185.3E6	73.384	79.736
27) trans-Non...	7.820	8.248	159.5E6	475361	50.197	0.141 #
28) 2,4'-DDD	8.015	8.542	738174	179.8E6	0.390	88.557 #
29) 2,4'-DDT	8.180	8.768	701540	148.4E6	0.348	70.504 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222116.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:25  
 Operator : MJB  
 Sample : 1B22071-ICV1  
 Misc : A20I130, AB 50 ppb  
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

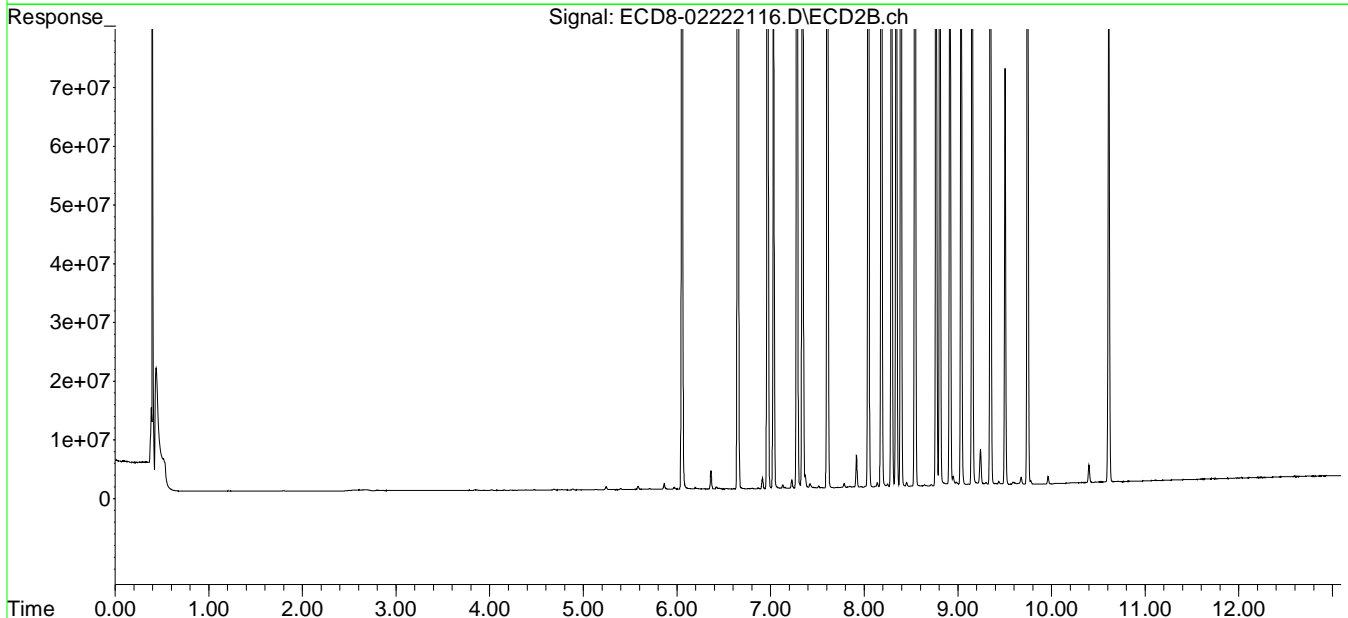
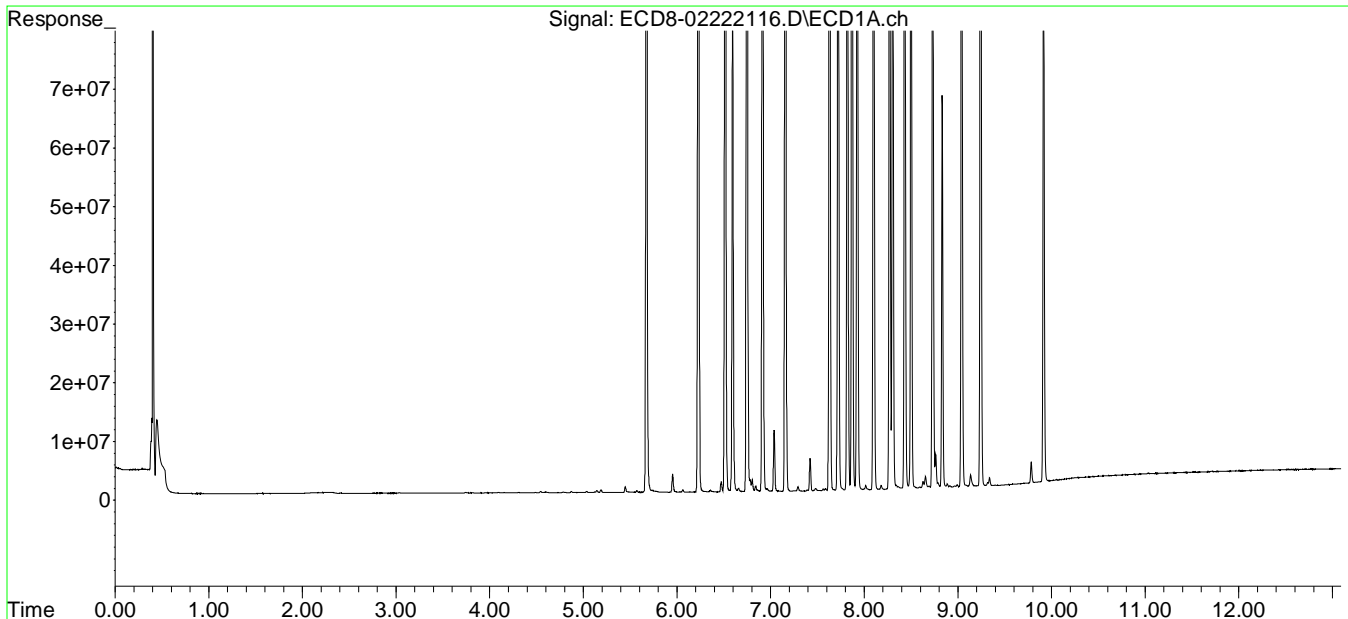
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.271	8.808	140.4E6	155.4E6	41.851	43.307
31)	Mirex	8.965	9.745	178548	166.0E6	21703.313	82.952 #
32)	Chlordane...	7.721	8.183	164.3E6	185.3E6	469.768	459.223
33)	Chlordane...	7.820	8.292	159.5E6	174.7E6	458.967	517.777
34)	Chlordane...	8.364	8.949	385556	1631430	3.655	5.272 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.820	8.502	159.5E6	96510	BelowCal	3.045
37)	Toxaphene...	8.100	0.000	169.9E6	0	BelowCal	N.D.
38)	Toxaphene...	8.433	8.915	128.9E6	143.5E6	2232.373	2484.515
39)	Toxaphene...	8.653	8.983	1976616	626368	31.335	3.287 #
40)	Toxaphene...	8.887	9.153	563209	138.9E6	11.853	2338.750 #
41)	Toxaphene...	8.965	9.504f	178548	70843023	3.314	1234.055 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222116.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 22:25  
Operator : MJB  
Sample : 1B22071-ICV1  
Misc : A20I130, AB 50 ppb  
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:38:14 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



CLEAN

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222126.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:07  
 Operator : MJB  
 Sample : 1B22071-IBL2  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:55 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.042	0	37892	N.D.	0.011 #
22) S DCBP (S)	9.894	0.000	243146	0	1931.217	N.D. #
Target Compounds						
2) a-BHC	0.000	6.652	0	15216	N.D.	0.003 #
3) g-BHC	6.476f	6.939f	4362	6473	0.001	0.002 #
4) b-BHC	0.000	7.021	0	6074	N.D.	BelowCal
5) Heptachlor	6.922	7.362f	22978	43308	0.007	0.012 #
6) d-BHC	6.775f	7.292	20673	15637	0.006	BelowCal #
7) Aldrin	7.154	7.610	29810	57075	0.009	0.016 #
8) Heptachlo...	7.626	8.043	25840	53965	0.008	0.016 #
9) trans-Chl...	7.723	8.172	9908	46599	0.003	0.014 #
10) cis-Chlor...	7.818	8.291	20578	89888	0.007	0.028 #
11) Endosulfa...	7.920	8.338	45425	56625	0.016	0.019
12) 4,4'-DDE	7.859	8.395	175308	46021	0.051	0.013 #
13) Dieldrin	8.101	8.529	20918	37825	0.007	0.011 #
14) Endrin	8.259	8.774	10932	68797	0.004	0.031 #
15) 4,4'-DDD	8.293	8.774f	20132	68797	0.007	0.024 #
16) Endosulfa...	8.443	8.917	18422	468284	0.007	0.175 #
17) 4,4'-DDT	8.483	0.000	8055	0	0.003	N.D. #
18) Endrin Al...	8.705f	9.155	923777	146748	BelowCal	BelowCal
19) Endosulfa...	9.046	9.352	55971	86416	0.022	0.032 #
20) Methoxychlor	8.816	9.503	560745	23058	0.448	0.018 #
21) Endrin Ke...	9.248	9.738	33271	136314	0.011	BelowCal #
23) Hexachlor...	3.468	3.782	8790	215726	0.003	0.054 #
24) Hexachlor...	6.063	6.518	20229	30125	0.006	0.008 #
25) Oxychlorane	7.555	7.971	23216	56981	0.008	0.019 #
26) 2,4'-DDE	7.626	8.172	25840	46599	0.012	0.020 #
27) trans-Non...	7.818	8.213f	20578	297897	0.006	0.089 #
28) 2,4'-DDD	7.997	8.529	15940	37825	0.008	BelowCal #
29) 2,4'-DDT	8.185	8.774	11738	68797	0.006	0.033 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222126.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:07  
 Operator : MJB  
 Sample : 1B22071-IBL2  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:38:55 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

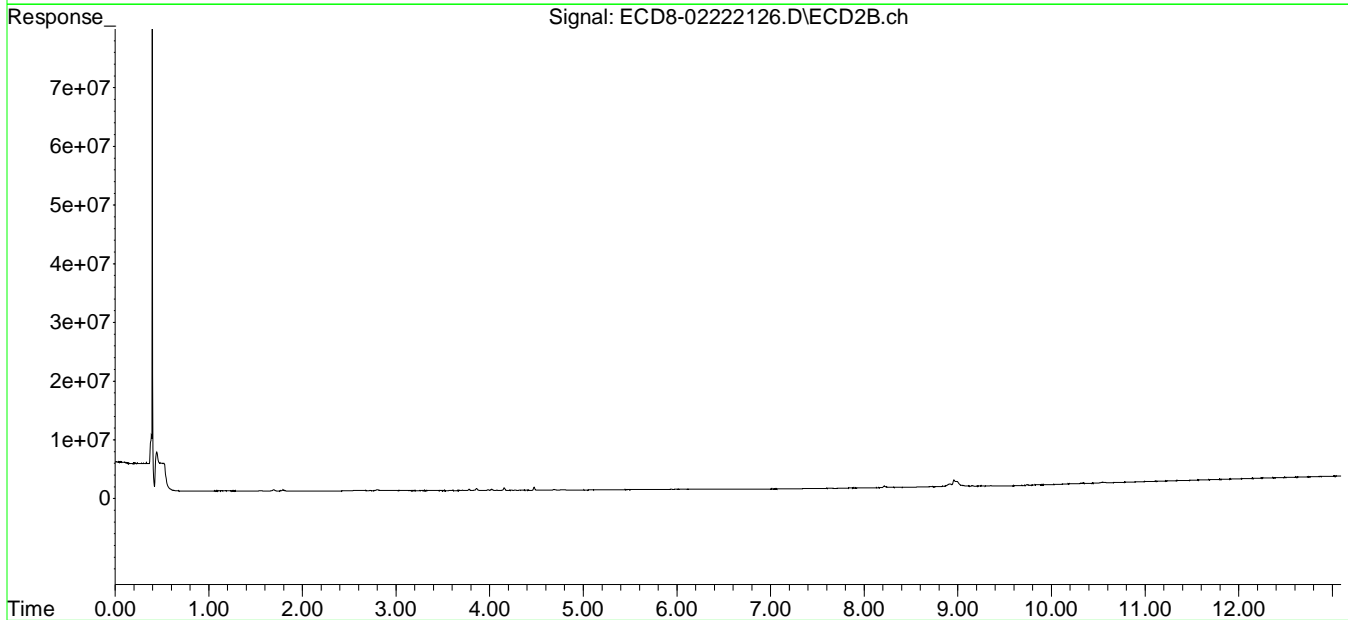
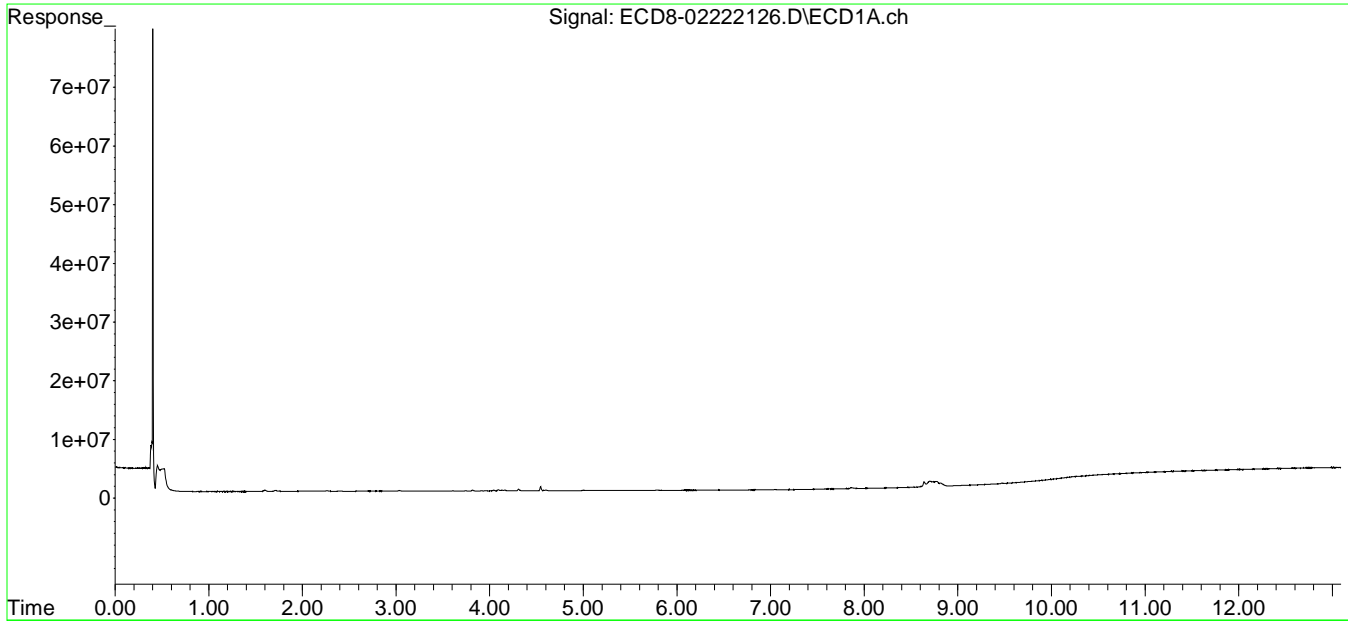
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.293	8.774f	20132	68797	0.006	0.019 #
31)	Mirex	8.966	9.738	40842	136314	21703.382	BelowCal #
32)	Chlordane...	7.723	8.172	9908	46599	0.028	0.115 #
33)	Chlordane...	7.818	8.291	20578	89888	0.059	0.266 #
34)	Chlordane...	8.379	8.958	15196	1186303	0.144	0.638 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.529	20578	37825	0.471	1.193 #
37)	Toxaphene...	8.101	0.000	20918	0	0.093	N.D. #
38)	Toxaphene...	8.403	8.917	10980	468284	0.190	8.108 #
39)	Toxaphene...	8.639f	8.958	855129	1186303	13.556	9.665 #
40)	Toxaphene...	0.000	9.155	0	146748	N.D.	BelowCal
41)	Toxaphene...	8.966	9.527	40842	15279	0.758	0.266 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222126.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 1:07  
Operator : MJB  
Sample : 1B22071-IBL2  
Misc : Instrument Blank  
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:38:55 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222127.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:23  
 Operator : MJB  
 Sample : 1B22071-ICV2  
 Misc : A20I187, 9-42 50 ppb  
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:39:05 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.645f	6.040	364309	66586	0.114	0.020 #
22) S	DCBP (S)	9.929f	10.609	257626	50663	1931.210	BelowCal #
Target Compounds							
2)	a-BHC	6.228	6.648	88657	71032	0.021	0.016
3)	g-BHC	6.514	6.966	36296	30251	0.010	0.008
4)	b-BHC	6.603	7.036	22058	35528	0.014	BelowCal #
5)	Heptachlor	6.913	7.341	115216	120216	0.034	0.033
6)	d-BHC	6.755	7.282	83712	103577	0.025	0.019 #
7)	Aldrin	7.157	7.603	62686	84984	0.018	0.024 #
8)	Heptachlo...	7.616	8.040	104.0E6	215894	32.982	0.065 #
9)	trans-Chl...	7.722	8.167	2208780	115.1E6	0.686	34.145 #
10)	cis-Chlor...	7.805	8.285	149.6E6	5978832	47.475	1.844 #
11)	Endosulfa...	7.916	8.359	486954	380896	0.168	0.127
12)	4,4'-DDE	7.833f	8.401	6742084	351730	1.958	0.100 #
13)	Dieldrin	8.091	8.541	278028	96269018	0.088	29.268 #
14)	Endrin	8.287	8.764	160.1E6	104.4E6	61.889	40.259 #
15)	4,4'-DDD	8.287	8.812	160.1E6	177.2E6	59.156	62.708
16)	Endosulfa...	8.435	8.916	41547	809691	0.017	0.303 #
17)	4,4'-DDT	8.503	0.000	69839	0	0.028	N.D. #
18)	Endrin Al...	8.731	9.154	151332	177326	BelowCal	BelowCal
19)	Endosulfa...	9.040	9.349	106705	95218	0.043	0.036
20)	Methoxychlor	8.835	9.508	16887	32498	0.013	0.025 #
21)	Endrin Ke...	9.245	9.732	60785	97667680	0.020	34.544 #
23)	Hexachlor...	3.462	3.768	157.0E6	187.6E6	45.162	46.794
24)	Hexachlor...	6.062	6.518	149.0E6	168.2E6	45.698	46.828
25)	Oxychlorane	7.551	7.973	128.4E6	136.9E6	46.548	46.567
26)	2,4'-DDE	7.616	8.167	104.0E6	115.1E6	46.542	49.520
27)	trans-Non...	7.805	8.249	149.6E6	164.1E6	47.083	48.779
28)	2,4'-DDD	7.999	8.541	87616959	96269018	46.239	48.819
29)	2,4'-DDT	8.181	8.764	99351754	104.4E6	49.259	49.637

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222127.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:23  
 Operator : MJB  
 Sample : 1B22071-ICV2  
 Misc : A20I187, 9-42 50 ppb  
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:39:05 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

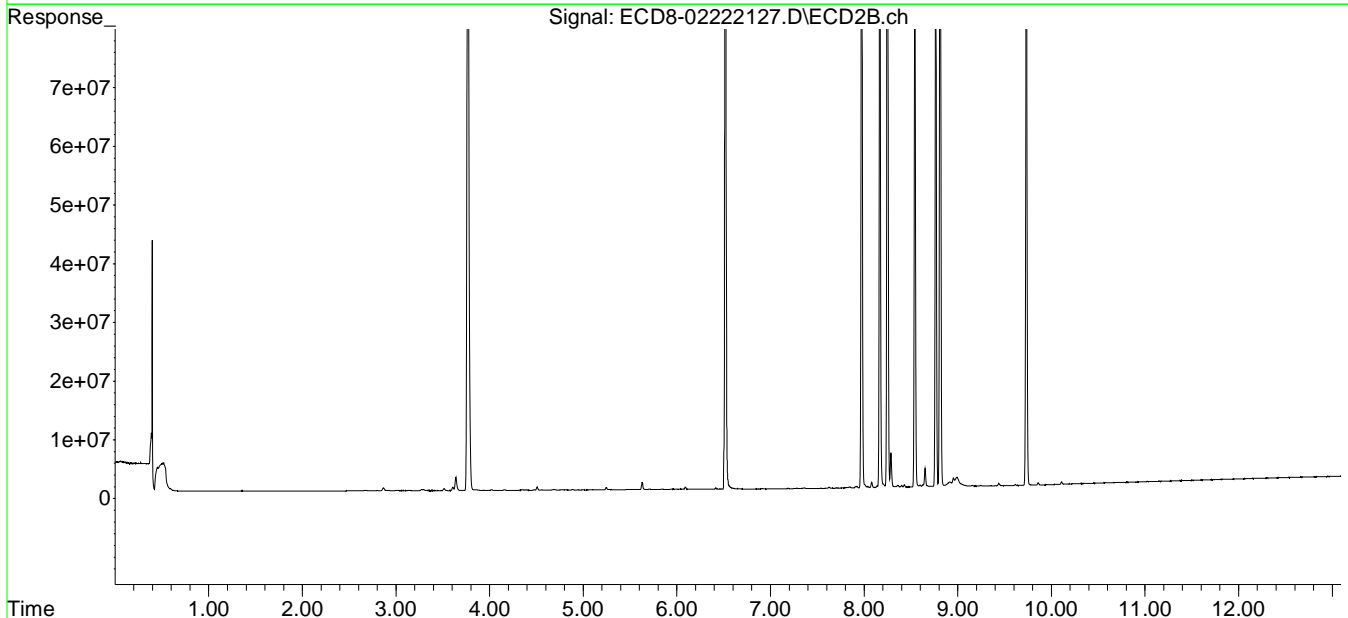
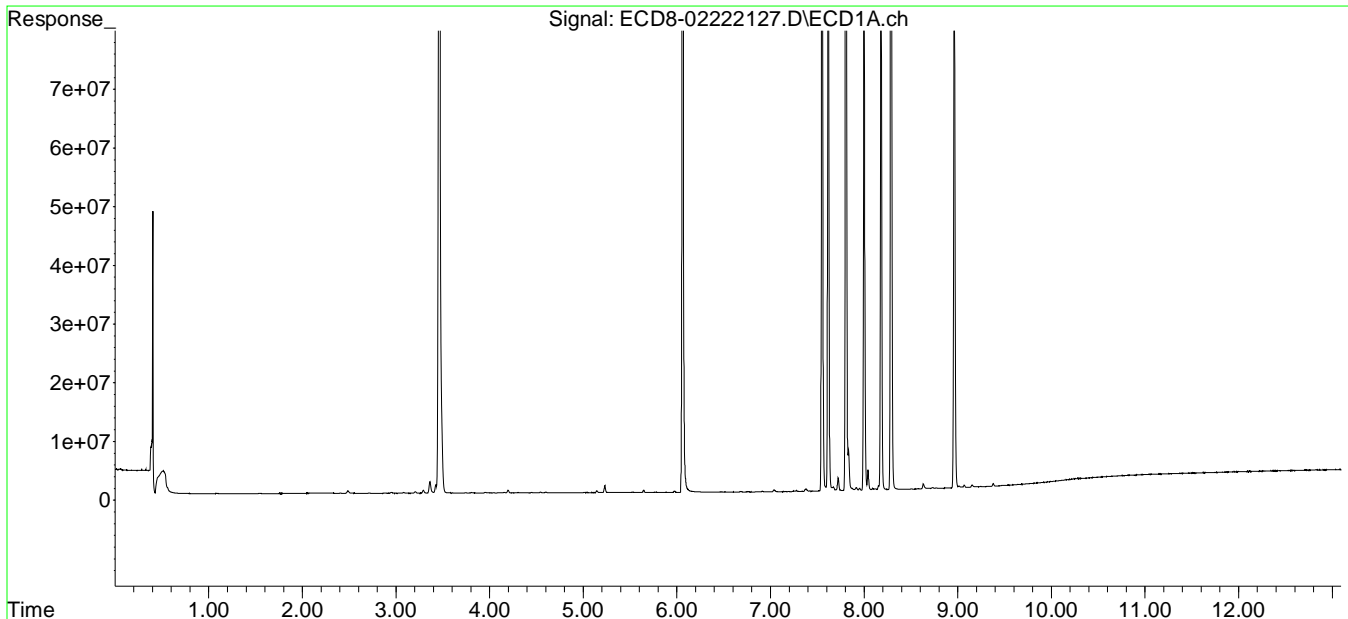
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.812	160.1E6	177.2E6	47.713	49.365
31)	Mirex	8.963	9.732	95062132	97667680	47.844	49.899
32)	Chlordane...	7.722	8.167	2208780	115.1E6	6.315	285.197 #
33)	Chlordane...	7.805	8.285	149.6E6	5978832	430.494	17.722 #
34)	Chlordane...	8.378	8.953	44620	1499534	0.423	3.899 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.805	8.503	149.6E6	58948	BelowCal	1.860
37)	Toxaphene...	8.091	0.000	278028	0	8.099	N.D. #
38)	Toxaphene...	8.435	8.916	41547	809691	0.720	14.019 #
39)	Toxaphene...	8.672	8.989	76187	1560029	1.208	13.918 #
40)	Toxaphene...	8.918f	9.154	17423	177326	0.367	BelowCal #
41)	Toxaphene...	8.963	9.528	95062132	19857	1764.612	0.346 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222127.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 1:23  
Operator : MJB  
Sample : 1B22071-ICV2  
Misc : A20I187, 9-42 50 ppb  
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:39:05 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222127.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:23  
 Operator : MJB  
 Sample : 1B22071-ICV2  
 Misc : A20I187, 9-42 50 ppb  
 ALS Vial : 23 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:39:05 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.645f	6.040	364309	66586	0.114	0.020 #
22) S DCBP (S)	9.929f	10.609	257626	50663	1931.210	BelowCal #
Target Compounds						
2) a-BHC	6.228	6.648	88657	71032	0.021	0.016
3) g-BHC	6.514	6.966	36296	30251	0.010	0.008
4) b-BHC	6.603	7.036	22058	35528	0.014	BelowCal #
5) Heptachlor	6.913	7.341	115216	120216	0.034	0.033
6) d-BHC	6.755	7.282	83712	103577	0.025	0.019 #
7) Aldrin	7.157	7.603	62686	84984	0.018	0.024 #
8) Heptachlo...	7.616	8.040	104.0E6	215894	32.982	0.065 #
9) trans-Chl...	7.722	8.167	2208780	115.1E6	0.686	34.145 #
10) cis-Chlor...	7.805	8.285	149.6E6	5978832	47.475	1.844 #
11) Endosulfa...	7.916	8.359	486954	380896	0.168	0.127
12) 4,4'-DDE	7.833f	8.401	6742084	351730	1.958	0.100 #
13) Dieldrin	8.091	8.541	278028	96269018	0.088	29.268 #
14) Endrin	8.287	8.764	160.1E6	104.4E6	61.889	40.259 #
15) 4,4'-DDD	8.287	8.812	160.1E6	177.2E6	59.156	62.708
16) Endosulfa...	8.435	8.916	41547	809691	0.017	0.303 #
17) 4,4'-DDT	8.503	0.000	69839	0	0.028	N.D. #
18) Endrin Al...	8.731	9.154	151332	177326	BelowCal	BelowCal
19) Endosulfa...	9.040	9.349	106705	95218	0.043	0.036
20) Methoxychlor	8.835	9.508	16887	32498	0.013	0.025 #
21) Endrin Ke...	9.245	9.732	60785	97667680	0.020	34.544 #
23) Hexachlor...	3.462	3.768	157.0E6	187.6E6	45.162	46.794
24) Hexachlor...	6.062	6.518	149.0E6	168.2E6	45.698	46.828
25) Oxychlorane	7.551	7.973	128.4E6	136.9E6	46.548	46.567
26) 2,4'-DDE	7.616	8.167	104.0E6	115.1E6	46.542	49.520
27) trans-Non...	7.805	8.249	149.6E6	164.1E6	47.083	48.779
28) 2,4'-DDD	7.999	8.541	87616959	96269018	46.239	48.819
29) 2,4'-DDT	8.181	8.764	99351754	104.4E6	49.259	49.637

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222127.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:23  
 Operator : MJB  
 Sample : 1B22071-ICV2  
 Misc : A20I187, 9-42 50 ppb  
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:39:05 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

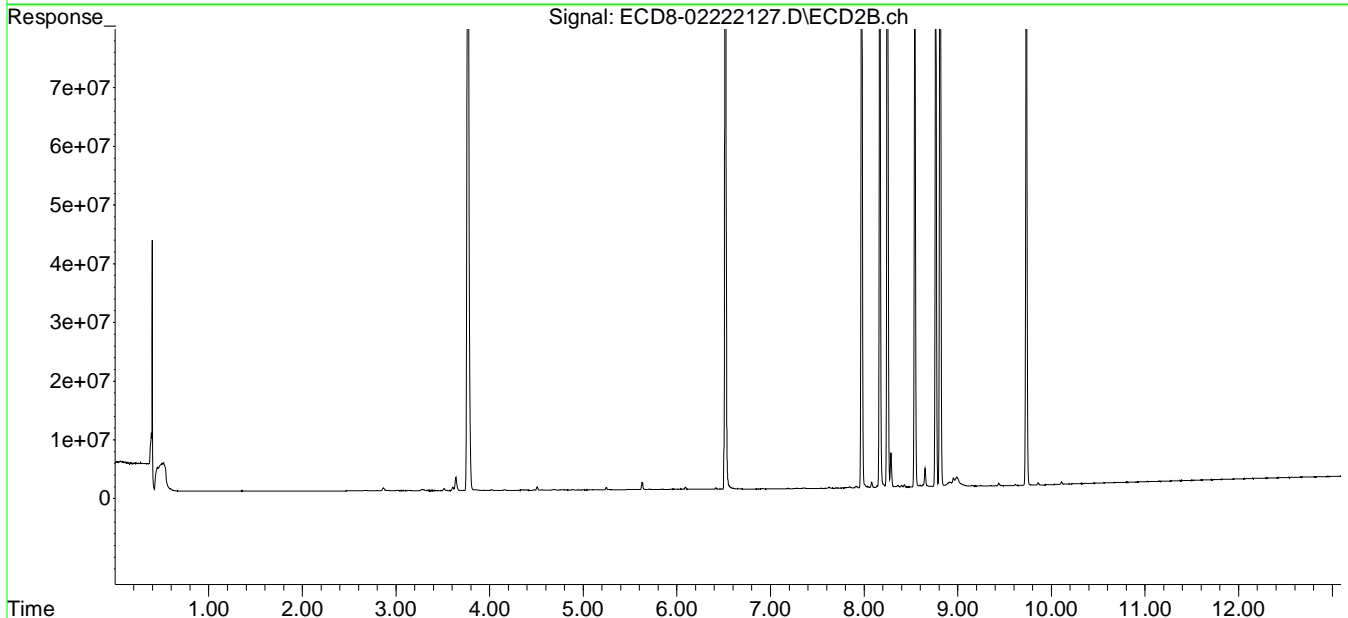
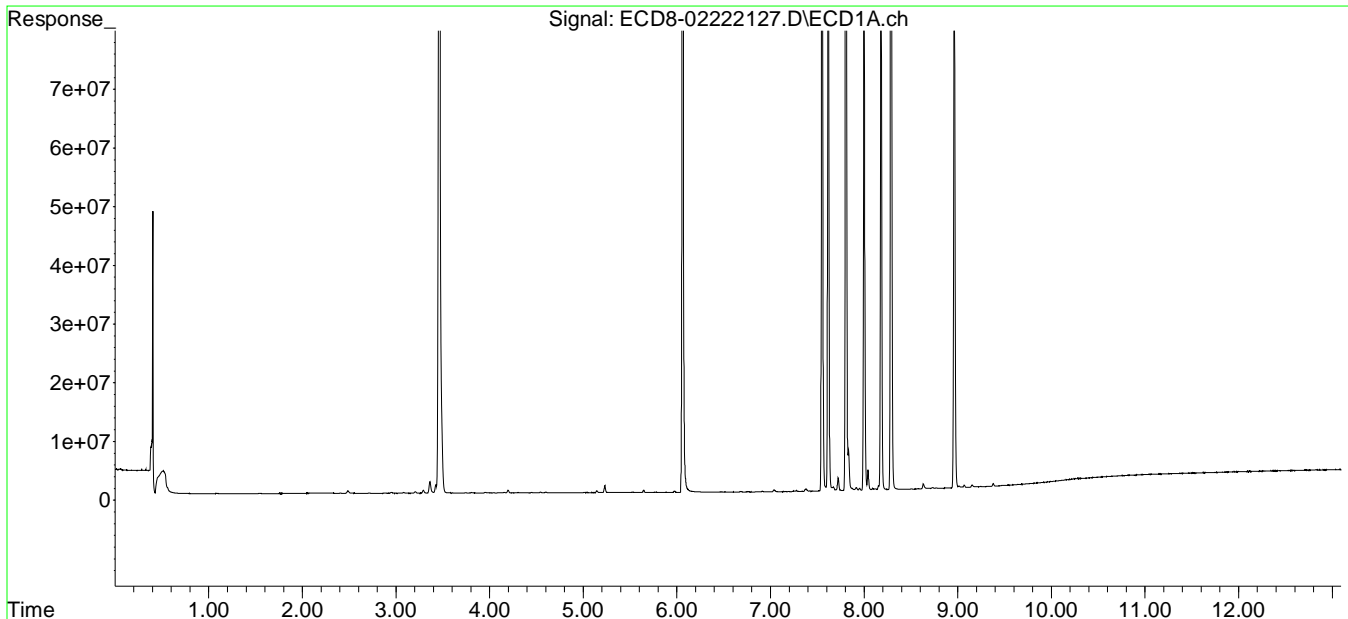
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.812	160.1E6	177.2E6	47.713	49.365
31)	Mirex	8.963	9.732	95062132	97667680	47.844	49.899
32)	Chlordane...	7.722	8.167	2208780	115.1E6	6.315	285.197 #
33)	Chlordane...	7.805	8.285	149.6E6	5978832	430.494	17.722 #
34)	Chlordane...	8.378	8.953	44620	1499534	0.423	3.899 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.805	8.503	149.6E6	58948	BelowCal	1.860
37)	Toxaphene...	8.091	0.000	278028	0	8.099	N.D. #
38)	Toxaphene...	8.435	8.916	41547	809691	0.720	14.019 #
39)	Toxaphene...	8.672	8.989	76187	1560029	1.208	13.918 #
40)	Toxaphene...	8.918f	9.154	17423	177326	0.367	BelowCal #
41)	Toxaphene...	8.963	9.528	95062132	19857	1764.612	0.346 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222127.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 1:23  
Operator : MJB  
Sample : 1B22071-ICV2  
Misc : A20I187, 9-42 50 ppb  
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:39:05 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



CLEAN

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222135.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:33  
 Operator : MJB  
 Sample : 1B22071-IBL3  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:39:54 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.055	0	25256	N.D.	0.007 #
22) S DCBP (S)	0.000	10.604	0	60245	N.D.	BelowCal
Target Compounds						
2) a-BHC	0.000	6.646	0	16988	N.D.	0.004 #
3) g-BHC	6.477f	0.000	15558	0	0.004	N.D. #
4) b-BHC	0.000	7.068f	0	9275	N.D.	BelowCal
5) Heptachlor	6.915	7.341	7743	25580	0.002	0.007 #
6) d-BHC	6.774f	7.292	10766	25262	0.003	BelowCal #
7) Aldrin	0.000	7.601	0	48198	N.D.	0.014 #
8) Heptachlo...	7.635	8.042	12743	47321	0.004	0.014 #
9) trans-Chl...	7.733	8.190	28228	58500	0.009	0.017 #
10) cis-Chlor...	7.823	8.287	24570	80502	0.008	0.025 #
11) Endosulfa...	7.935	8.339	36646	45840	0.013	0.015
12) 4,4'-DDE	7.871	8.366f	132898	50155	0.039	0.014 #
13) Dieldrin	8.108	8.540	20087	35244	0.006	0.011 #
14) Endrin	0.000	8.767	0	60570	N.D.	0.027 #
15) 4,4'-DDD	0.000	8.816	0	48853	N.D.	0.017 #
16) Endosulfa...	8.452f	8.913	7910	50785	0.003	0.019 #
17) 4,4'-DDT	8.509	9.026	9036	73095	0.004	BelowCal #
18) Endrin Al...	8.742	9.158	74996	112689	BelowCal	BelowCal
19) Endosulfa...	9.050	9.337	31577	31618	0.013	0.012
20) Methoxychlor	0.000	9.503	0	30102	N.D.	0.023 #
21) Endrin Ke...	0.000	9.745	0	92801	N.D.	BelowCal
23) Hexachlor...	3.468	3.780	24029	208891	0.007	0.052 #
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlordan	7.555	7.958	9839	43650	0.004	0.015 #
26) 2,4'-DDE	7.617	8.160	16213	33001	0.007	0.014 #
27) trans-Non...	7.823	8.249	24570	120021	0.008	0.036 #
28) 2,4'-DDD	8.025f	8.540	10432	35244	0.006	BelowCal #
29) 2,4'-DDT	8.164	8.767	6448	60570	0.003	0.029 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222135.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:33  
 Operator : MJB  
 Sample : 1B22071-IBL3  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:39:54 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	8.816	0	48853	N.D.	0.014 #
31)	Mirex	0.000	9.722	0	12197	N.D.	BelowCal
32)	Chlordane...	7.733	8.190	28228	58500	0.081	0.145 #
33)	Chlordane...	7.823	8.287	24570	80502	0.071	0.239 #
34)	Chlordane...	8.386	8.960	10516	795438	0.100	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.823f	8.518	24570	34788	0.741	1.097 #
37)	Toxaphene...	8.108	8.880	20087	47466	0.067	1.230 #
38)	Toxaphene...	8.452f	8.904	7910	56022	0.137	0.970 #
39)	Toxaphene...	8.644	8.960	579057	795438	9.180	5.214 #
40)	Toxaphene...	0.000	9.158	0	112689	N.D.	BelowCal
41)	Toxaphene...	0.000	9.510	0	28685	N.D.	0.500 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

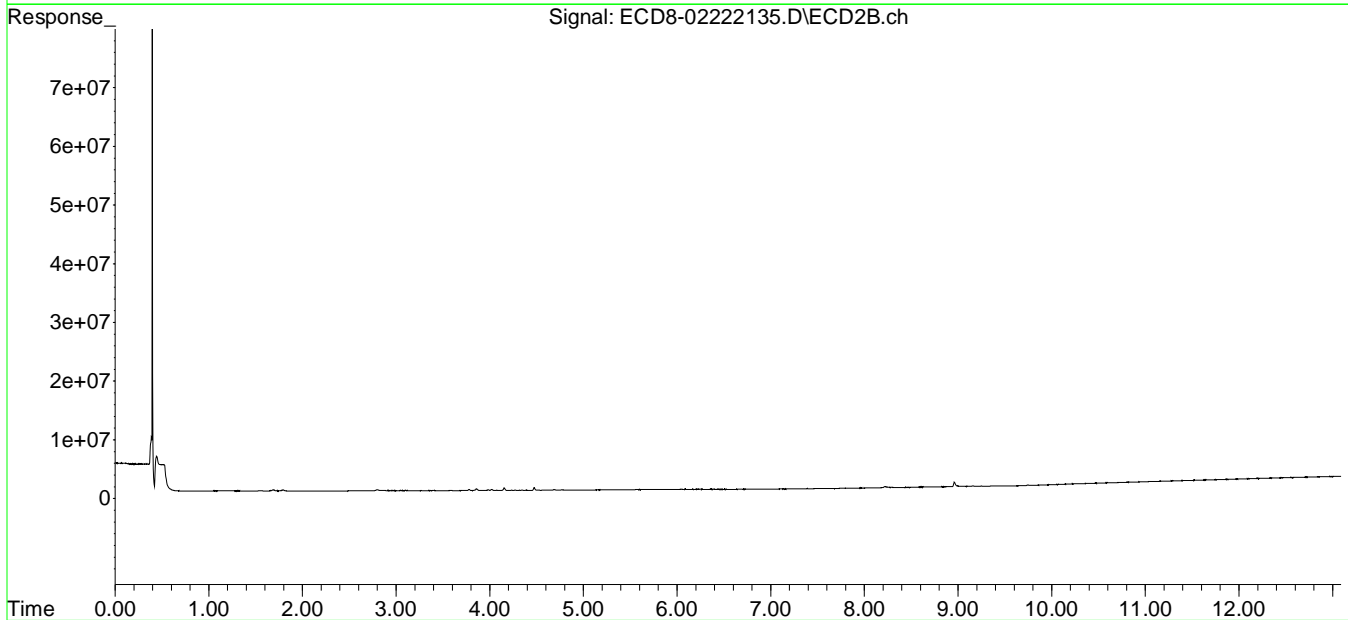
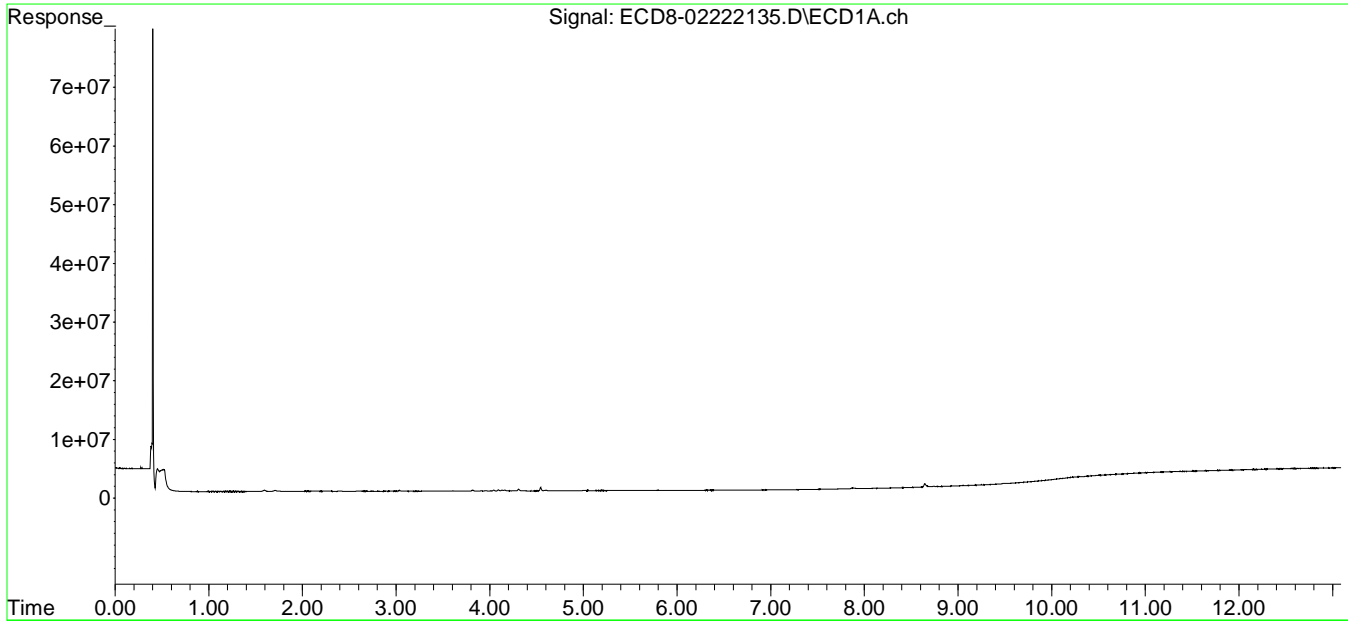
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222135.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 3:33  
Operator : MJB  
Sample : 1B22071-IBL3  
Misc : Instrument Blank  
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:39:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222136.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:49  
 Operator : MJB  
 Sample : 1B22071-ICV3  
 Misc : A20L144, CHOLR 500 ppb  
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:03 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.673	6.042	72491	76313	0.023	0.022
22) S DCBP (S)	9.906	10.578f	234806	119933	1931.221	BelowCal #
Target Compounds						
2) a-BHC	6.218	6.681f	83213	3695574	0.020	0.815 #
3) g-BHC	6.525	6.978	155509	1739749	0.043	0.446 #
4) b-BHC	6.605	7.018	2050320	243548	1.311	BelowCal #
5) Heptachlor	6.913	7.340	81168334	87724793	23.670	23.789
6) d-BHC	6.759	7.278	2331910	574969	0.691	0.149 #
7) Aldrin	7.170	7.570f	1063166	2914539	0.309	0.829 #
8) Heptachlo...	7.633	8.060	11327156	4335435	3.592	1.310 #
9) trans-Chl...	7.722	8.183	175.5E6	204.0E6	54.476	60.505
10) cis-Chlor...	7.818	8.290	172.8E6	174.8E6	54.817	53.905
11) Endosulfa...	7.940	8.357	4507245	3187104	1.554	1.059 #
12) 4,4'-DDE	7.851	8.389	4694670	4300570	1.363	1.224
13) Dieldrin	8.112	8.544	5529130	17173793	1.743	5.221 #
14) Endrin	8.288f	8.765	29217345	3906420	11.294	1.599 #
15) 4,4'-DDD	8.288	8.813	29217345	31406673	10.795	11.116
16) Endosulfa...	8.430	8.904	3697381	4106083	1.469	1.537
17) 4,4'-DDT	8.498	9.028	920252	2961163	0.375	1.233 #
18) Endrin Al...	8.745	9.123f	922896	1079245	BelowCal	0.059
19) Endosulfa...	9.037	9.328	2053302	264052	0.821	0.099 #
20) Methoxychlor	8.817	9.506	919411	183786	0.735	0.140 #
21) Endrin Ke...	9.227	9.747	224769	1690092	0.075	0.313 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	6.057	6.488f	86552	410108	0.027	0.114 #
25) Oxychlorane	7.581f	7.989	33576777	2704642	12.176	0.920 #
26) 2,4'-DDE	7.633	8.156	11327156	4408390	5.068	1.897 #
27) trans-Non...	7.818	8.248	172.8E6	149.4E6	54.365	44.423
28) 2,4'-DDD	8.004	8.544	4812374	17173793	2.540	8.873 #
29) 2,4'-DDT	8.158f	8.765	12295588	3906420	6.096	1.856 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222136.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:49  
 Operator : MJB  
 Sample : 1B22071-ICV3  
 Misc : A20L144, CHOLR 500 ppb  
 ALS Vial : 31 Sample Multiplier: 1

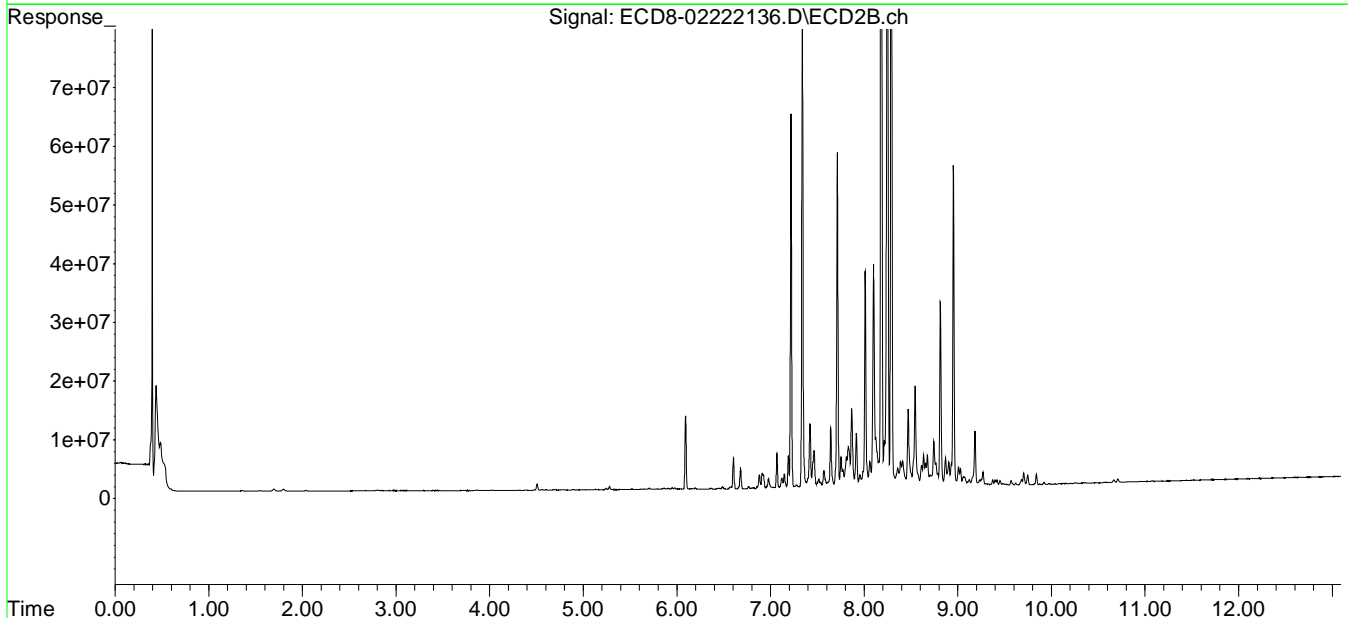
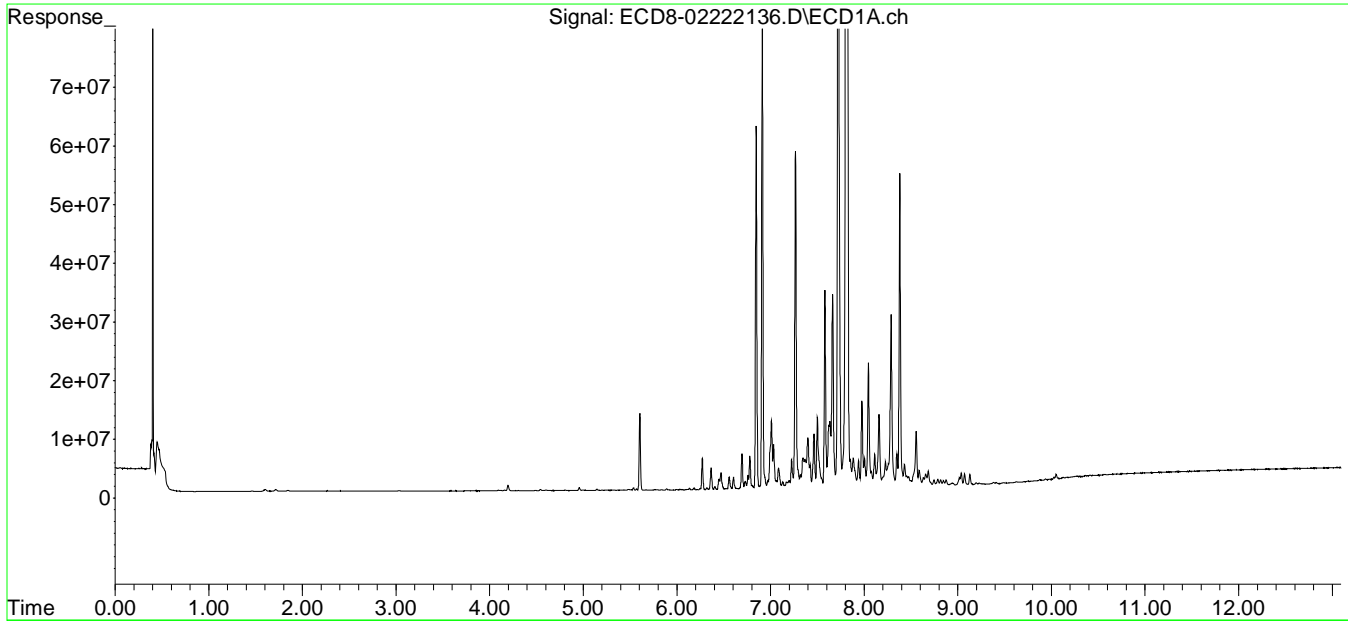
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:03 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.813	29217345	31406673	8.707	8.751
31)	Mirex	8.948	9.747	288050	1690092	21703.258	0.468 #
32)	Chlordane...	7.722	8.183	175.5E6	204.0E6	501.696	505.374
33)	Chlordane...	7.818	8.290	172.8E6	174.8E6	497.075	518.045
34)	Chlordane...	8.380	8.953	53238716	54618679	504.656	525.439
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.544f	172.8E6	17173793	BelowCal	541.789
37)	Toxaphene...	8.112	8.869	5529130	4834689	173.995	125.263 #
38)	Toxaphene...	8.430	8.904	3697381	4106083	64.056	71.092
39)	Toxaphene...	8.656	8.953	1950141	54618679	30.915	591.778 #
40)	Toxaphene...	8.875f	9.123f	880109	1079245	18.522	16.309
41)	Toxaphene...	8.948f	9.506f	288050	183786	5.347	3.201 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222136.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:49  
 Operator : MJB  
 Sample : 1B22071-ICV3  
 Misc : A20L144, CHOLR 500 ppb  
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:03 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222136.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:49  
 Operator : MJB  
 Sample : 1B22071-ICV3  
 Misc : A20L144, CHOLR 500 ppb  
 ALS Vial : 31 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:03 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.673	6.042	72491	76313	0.023	0.022
22) S DCBP (S)	9.906	10.578f	234806	119933	1931.221	BelowCal #
Target Compounds						
2) a-BHC	6.218	6.681f	83213	3695574	0.020	0.815 #
3) g-BHC	6.525	6.978	155509	1739749	0.043	0.446 #
4) b-BHC	6.605	7.018	2050320	243548	1.311	BelowCal #
5) Heptachlor	6.913	7.340	81168334	87724793	23.670	23.789
6) d-BHC	6.759	7.278	2331910	574969	0.691	0.149 #
7) Aldrin	7.170	7.570f	1063166	2914539	0.309	0.829 #
8) Heptachlo...	7.633	8.060	11327156	4335435	3.592	1.310 #
9) trans-Chl...	7.722	8.183	175.5E6	204.0E6	54.476	60.505
10) cis-Chlor...	7.818	8.290	172.8E6	174.8E6	54.817	53.905
11) Endosulfa...	7.940	8.357	4507245	3187104	1.554	1.059 #
12) 4,4'-DDE	7.851	8.389	4694670	4300570	1.363	1.224
13) Dieldrin	8.112	8.544	5529130	17173793	1.743	5.221 #
14) Endrin	8.288f	8.765	29217345	3906420	11.294	1.599 #
15) 4,4'-DDD	8.288	8.813	29217345	31406673	10.795	11.116
16) Endosulfa...	8.430	8.904	3697381	4106083	1.469	1.537
17) 4,4'-DDT	8.498	9.028	920252	2961163	0.375	1.233 #
18) Endrin Al...	8.745	9.123f	922896	1079245	BelowCal	0.059
19) Endosulfa...	9.037	9.328	2053302	264052	0.821	0.099 #
20) Methoxychlor	8.817	9.506	919411	183786	0.735	0.140 #
21) Endrin Ke...	9.227	9.747	224769	1690092	0.075	0.313 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	6.057	6.488f	86552	410108	0.027	0.114 #
25) Oxychlorane	7.581f	7.989	33576777	2704642	12.176	0.920 #
26) 2,4'-DDE	7.633	8.156	11327156	4408390	5.068	1.897 #
27) trans-Non...	7.818	8.248	172.8E6	149.4E6	54.365	44.423
28) 2,4'-DDD	8.004	8.544	4812374	17173793	2.540	8.873 #
29) 2,4'-DDT	8.158f	8.765	12295588	3906420	6.096	1.856 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222136.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:49  
 Operator : MJB FRONT COLUMN: 501.14  
 Sample : 1B22071-ICV3 REAR COLUMN: 516.29  
 Misc : A20L144, CHOLR 500 ppb  
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:03 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

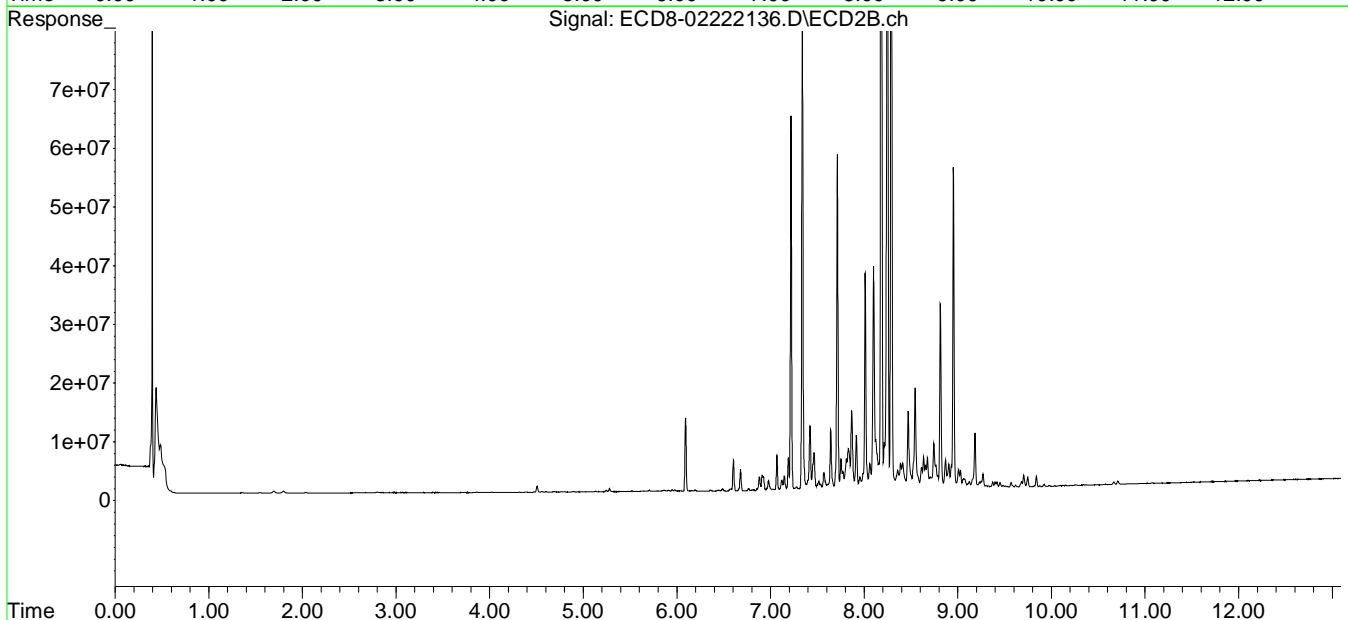
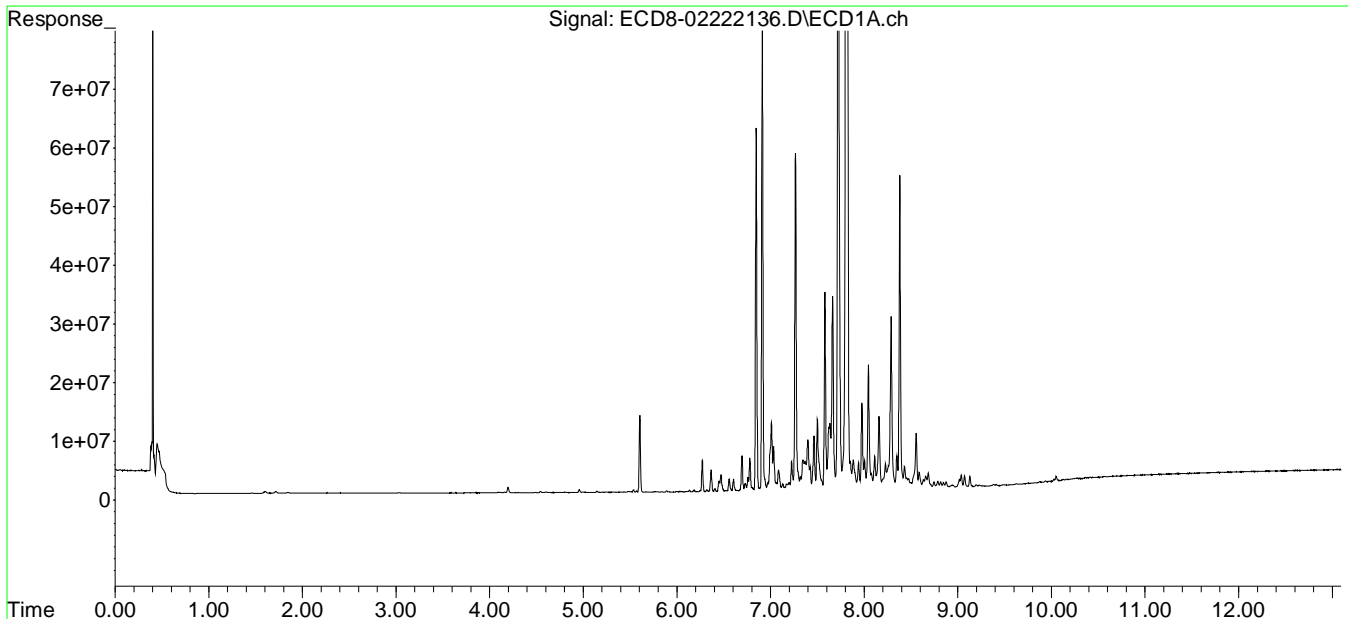
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.813	29217345	31406673	8.707	8.751
31)	Mirex	8.948	9.747	288050	1690092	21703.258	0.468 #
32)	Chlordane...	7.722	8.183	175.5E6	204.0E6	501.696	505.374
33)	Chlordane...	7.818	8.290	172.8E6	174.8E6	497.075	518.045
34)	Chlordane...	8.380	8.953	53238716	54618679	504.656	525.439
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.544f	172.8E6	17173793	BelowCal	541.789
37)	Toxaphene...	8.112	8.869	5529130	4834689	173.995	125.263 #
38)	Toxaphene...	8.430	8.904	3697381	4106083	64.056	71.092
39)	Toxaphene...	8.656	8.953	1950141	54618679	30.915	591.778 #
40)	Toxaphene...	8.875f	9.123f	880109	1079245	18.522	16.309
41)	Toxaphene...	8.948f	9.506f	288050	183786	5.347	3.201 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222136.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 3:49  
Operator : MJB  
Sample : 1B22071-ICV3  
Misc : A20L144, CHOLR 500 ppb  
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:40:03 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



CLEAN

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222144.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:59  
 Operator : MJB  
 Sample : 1B22071-IBL4  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:37 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.061	0	51275	N.D.	0.015 #
22) S DCBP (S)	0.000	10.617	0	49482	N.D.	BelowCal
Target Compounds						
2) a-BHC	6.222	6.648	5889	11366	0.001	0.003 #
3) g-BHC	6.514	6.995f	8155	7862	0.002	0.002
4) b-BHC	0.000	7.033	0	5995	N.D.	BelowCal
5) Heptachlor	6.927	7.329	12000	7120	0.003	0.002 #
6) d-BHC	0.000	7.276	0	11828	N.D.	BelowCal
7) Aldrin	0.000	7.610	0	35393	N.D.	0.010 #
8) Heptachlo...	7.603f	8.047	25772	25470	0.008	0.008
9) trans-Chl...	7.743f	0.000	6465	0	0.002	N.D. #
10) cis-Chlor...	7.838f	8.293	5387	64981	0.002	0.020 #
11) Endosulfa...	0.000	8.357	0	37399	N.D.	0.012 #
12) 4,4'-DDE	7.882	8.387	106313	26585	0.031	0.008 #
13) Dieldrin	8.104	8.501f	23328	22317	0.007	0.007
14) Endrin	8.292f	8.776	7965	44713	0.003	0.021 #
15) 4,4'-DDD	8.292	8.834f	7965	32942	0.003	0.012 #
16) Endosulfa...	8.451f	0.000	6320	0	0.003	N.D. #
17) 4,4'-DDT	0.000	9.058f	0	58830	N.D.	BelowCal
18) Endrin Al...	8.713	9.156	42695	92347	BelowCal	BelowCal
19) Endosulfa...	9.048	9.354	19645	48990	0.008	0.018 #
20) Methoxychlor	0.000	9.511	0	23751	N.D.	0.018 #
21) Endrin Ke...	0.000	9.750	0	43814	N.D.	BelowCal
23) Hexachlor...	3.467	3.779	20285	224285	0.006	0.056 #
24) Hexachlor...	0.000	6.511	0	19838	N.D.	0.006 #
25) Oxychlordan	0.000	7.955	0	19087	N.D.	0.006 #
26) 2,4'-DDE	7.603	8.127f	25772	17660	0.012	0.008 #
27) trans-Non...	7.838f	8.223f	5387	184853	0.002	0.055 #
28) 2,4'-DDD	7.992	8.501f	9853	22317	0.005	BelowCal #
29) 2,4'-DDT	0.000	8.776	0	44713	N.D.	0.021 #



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222144.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:59  
 Operator : MJB  
 Sample : 1B22071-IBL4  
 Misc : Instrument Blank  
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:37 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

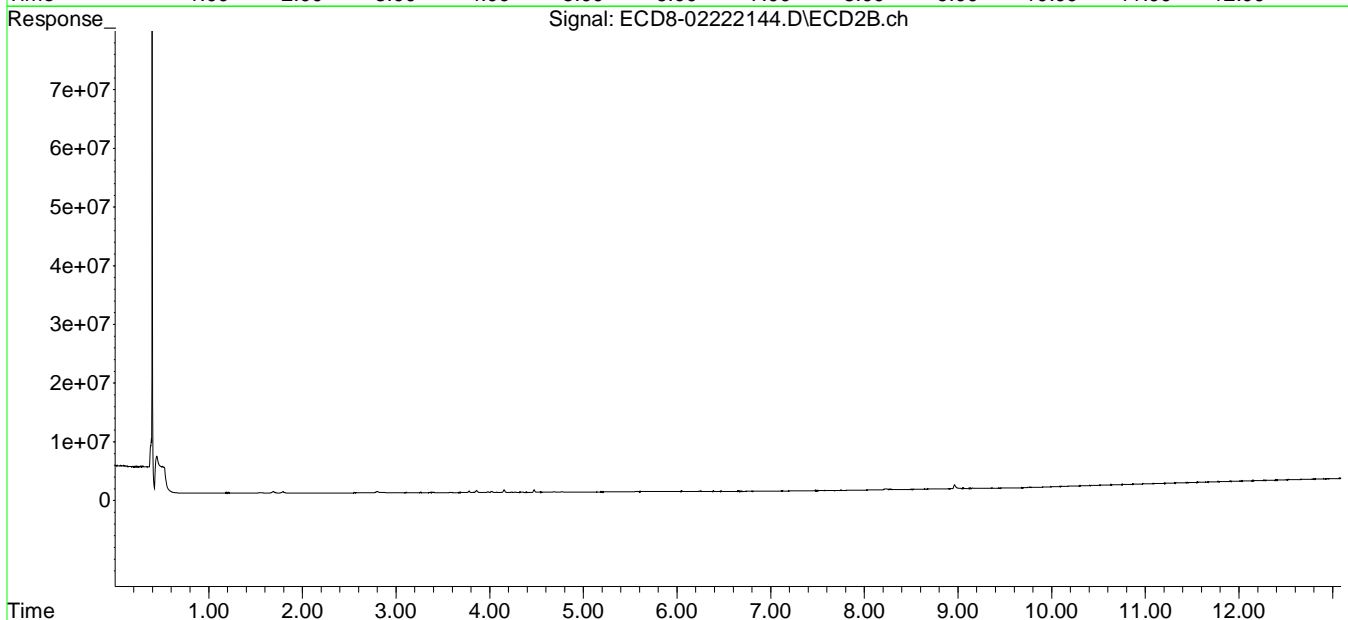
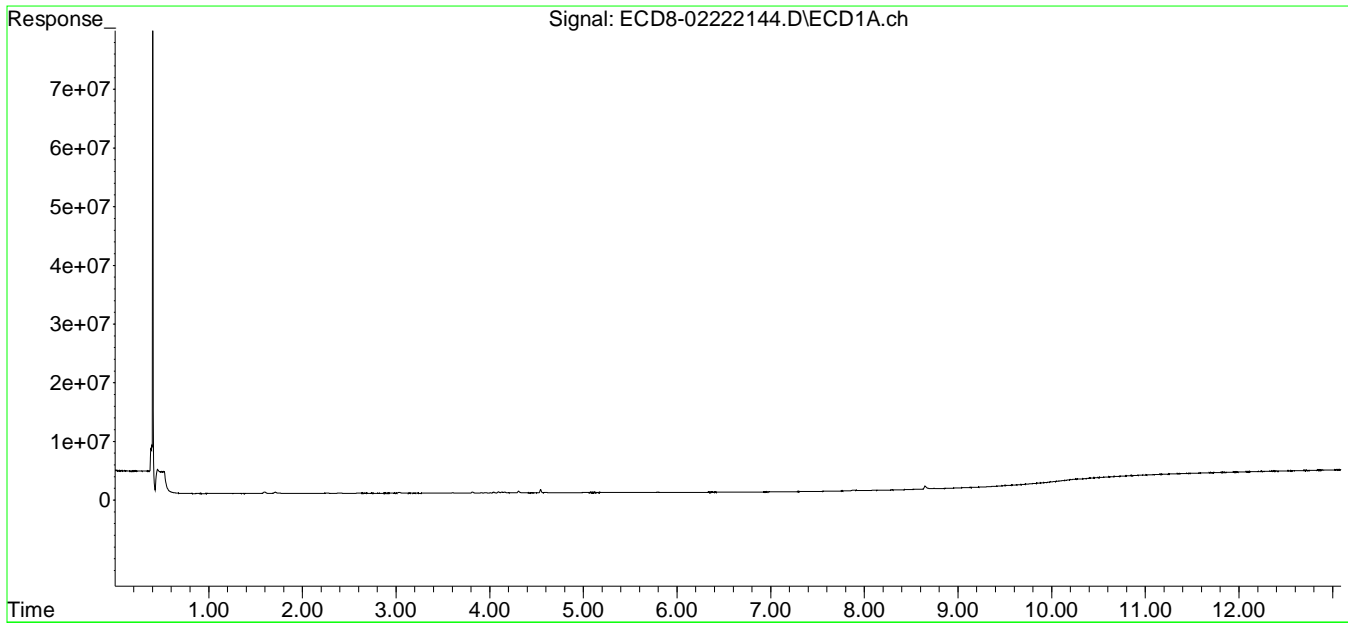
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.292	8.834f	7965	32942	0.002	0.009 #
31)	Mirex	0.000	9.750	0	43814	N.D.	BelowCal
32)	Chlordane...	7.743f	0.000	6465	0	0.018	N.D. #
33)	Chlordane...	7.838f	8.293	5387	64981	0.015	0.193 #
34)	Chlordane...	8.388	8.962	5719	691266	0.054	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.838f	8.501	5387	22317	15153.793	0.704 #
37)	Toxaphene...	8.104	8.834f	23328	32942	0.168	0.853 #
38)	Toxaphene...	8.451f	0.000	6320	0	0.109	N.D. #
39)	Toxaphene...	8.647	8.962	493873	691266	7.829	4.027 #
40)	Toxaphene...	0.000	9.156	0	92347	N.D.	BelowCal
41)	Toxaphene...	9.002f	9.535	8909	14419	0.165	0.251 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-0222144.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 5:59  
Operator : MJB  
Sample : 1B22071-IBL4  
Misc : Instrument Blank  
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:40:37 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222145.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 6:15  
 Operator : MJB  
 Sample : 1B22071-ICV4  
 Misc : A20K265, TOX 500 ppb  
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.677	6.057	69294	37268	0.022	0.011 #
22) S	DCBP (S)	9.917	10.608	516337	228675	1931.082	BelowCal #
Target Compounds							
2)	a-BHC	6.217	6.653	171659	190635	0.040	0.042
3)	g-BHC	6.514	6.955	120768	263743	0.033	0.068 #
4)	b-BHC	6.601	7.020	138596	321258	0.089	0.004 #
5)	Heptachlor	6.915	7.348	289347	486379	0.084	0.132 #
6)	d-BHC	6.749	7.281	189022	437622	0.056	0.111 #
7)	Aldrin	7.160	7.622	716406	1164283	0.208	0.331 #
8)	Heptachlo...	7.633	8.039	2268731	3705041	0.719	1.120 #
9)	trans-Chl...	7.697f	8.193	3539192	2752512	1.099	0.816 #
10)	cis-Chlor...	7.802	8.268f	6249517	4795073	1.983	1.479 #
11)	Endosulfa...	7.929	8.349	8915302	5956906	3.074	1.979 #
12)	4,4'-DDE	7.881	8.377	3352747	6879432	0.974	1.957 #
13)	Dieldrin	8.099	8.558	13651725	8141469	4.304	2.475 #
14)	Endrin	8.281	8.761	18450327	16361519	7.132	6.638
15)	4,4'-DDD	8.296	8.816	16303370	9656451	6.024	3.418 #
16)	Endosulfa...	8.420	8.903	27548640	26984580	10.948	10.104
17)	4,4'-DDT	8.494	9.032	24885047	11146729	10.151	4.712 #
18)	Endrin Al...	8.709	9.149	18835069	26058919	7.756	10.446 #
19)	Endosulfa...	9.029	9.347	11741861	10747936	4.694	4.027
20)	Methoxychlor	8.818	9.480	17019093	12544435	13.604	9.534 #
21)	Endrin Ke...	9.219	9.770f	7230724	5521200	2.427	1.749 #
23)	Hexachlor...	3.460	3.771	34860	57918	0.010	0.014 #
24)	Hexachlor...	6.065	6.505	99325	133965	0.030	0.037
25)	Oxychlorane	7.554	7.986	4657645	3921745	1.689	1.334
26)	2,4'-DDE	7.633	8.165	2268731	4649250	1.015	2.000 #
27)	trans-Non...	7.802	8.268	6249517	4795073	1.966	1.426 #
28)	2,4'-DDD	8.021f	8.558	9487013	8141469	5.007	4.148
29)	2,4'-DDT	8.164	8.761	14404527	16361519	7.142	7.776

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222145.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 6:15  
 Operator : MJB  
 Sample : 1B22071-ICV4  
 Misc : A20K265, TOX 500 ppb  
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

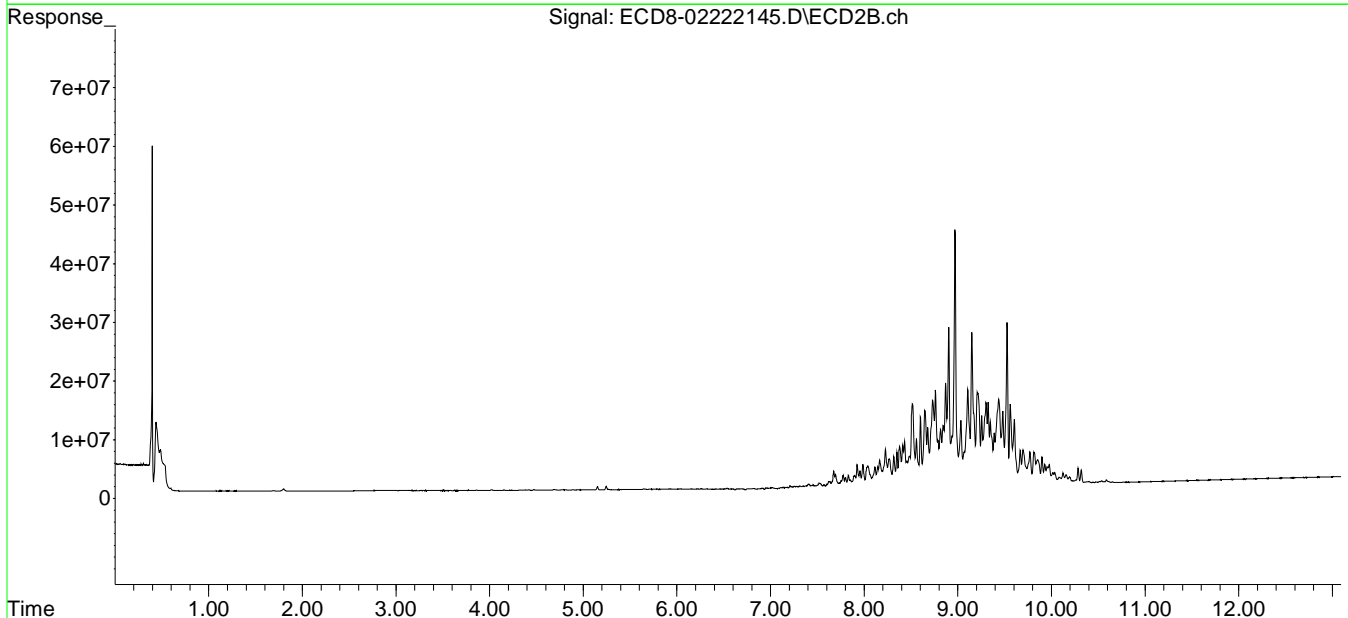
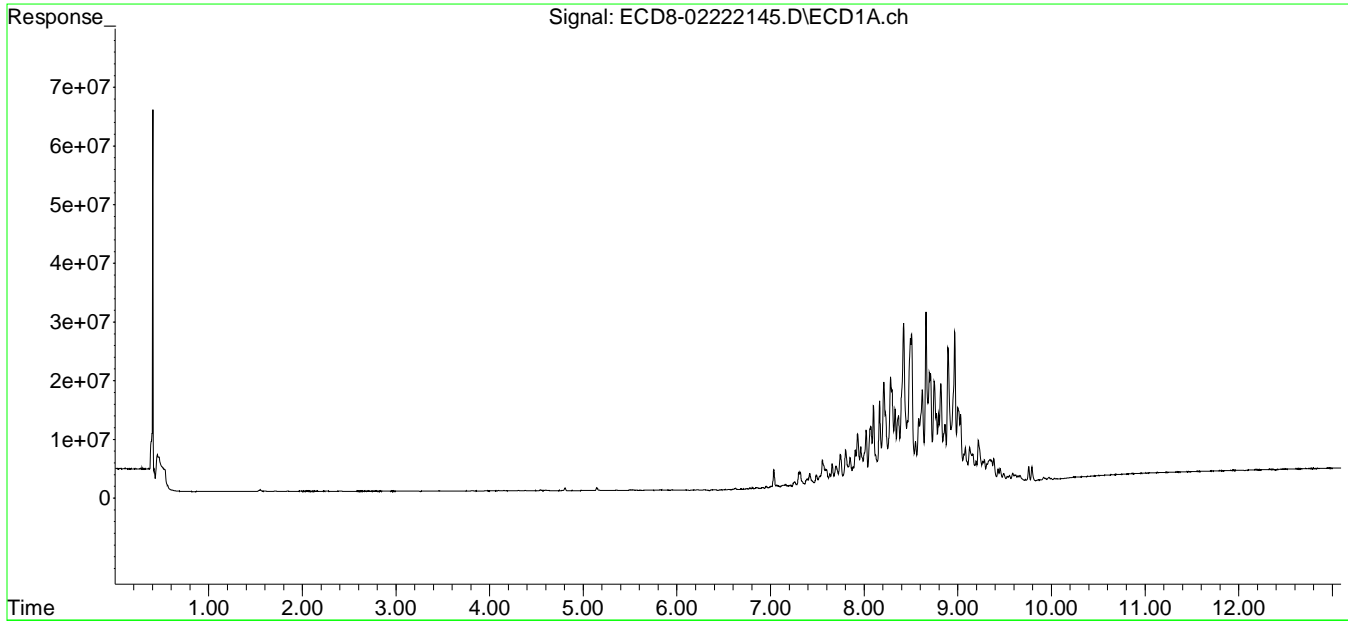
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.281	8.816	18450327	9656451	5.498	2.691 #
31)	Mirex	8.967	9.696f	25907256	5870084	12.889	2.702 #
32)	Chlordane...	7.697f	8.193	3539192	2752512	10.118	6.820 #
33)	Chlordane...	7.802	8.268f	6249517	4795073	17.978	14.213
34)	Chlordane...	8.366	8.938	11788852	8490946	111.748	76.073 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.802	8.515	6249517	14067960	434.963	443.808
37)	Toxaphene...	8.099	8.869	13651725	17531989	440.270	454.240
38)	Toxaphene...	8.420	8.903	27548640	26984580	477.271	467.206
39)	Toxaphene...	8.660	8.970	29317499	43645592	464.760	476.214
40)	Toxaphene...	8.895	9.149	23135834	26058919	486.892	474.703
41)	Toxaphene...	8.967	9.526	25907256	27582343	480.909	480.473
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222145.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 6:15  
Operator : MJB  
Sample : 1B22071-ICV4  
Misc : A20K265, TOX 500 ppb  
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:40:50 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222145.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 6:15  
 Operator : MJB  
 Sample : 1B22071-ICV4  
 Misc : A20K265, TOX 500 ppb  
 ALS Vial : 39 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.677	6.057	69294	37268	0.022	0.011 #
22) S DCBP (S)	9.917	10.608	516337	228675	1931.082	BelowCal #
Target Compounds						
2) a-BHC	6.217	6.653	171659	190635	0.040	0.042
3) g-BHC	6.514	6.955	120768	263743	0.033	0.068 #
4) b-BHC	6.601	7.020	138596	321258	0.089	0.004 #
5) Heptachlor	6.915	7.348	289347	486379	0.084	0.132 #
6) d-BHC	6.749	7.281	189022	437622	0.056	0.111 #
7) Aldrin	7.160	7.622	716406	1164283	0.208	0.331 #
8) Heptachlo...	7.633	8.039	2268731	3705041	0.719	1.120 #
9) trans-Chl...	7.697f	8.193	3539192	2752512	1.099	0.816 #
10) cis-Chlor...	7.802	8.268f	6249517	4795073	1.983	1.479 #
11) Endosulfa...	7.929	8.349	8915302	5956906	3.074	1.979 #
12) 4,4'-DDE	7.881	8.377	3352747	6879432	0.974	1.957 #
13) Dieldrin	8.099	8.558	13651725	8141469	4.304	2.475 #
14) Endrin	8.281	8.761	18450327	16361519	7.132	6.638
15) 4,4'-DDD	8.296	8.816	16303370	9656451	6.024	3.418 #
16) Endosulfa...	8.420	8.903	27548640	26984580	10.948	10.104
17) 4,4'-DDT	8.494	9.032	24885047	11146729	10.151	4.712 #
18) Endrin Al...	8.709	9.149	18835069	26058919	7.756	10.446 #
19) Endosulfa...	9.029	9.347	11741861	10747936	4.694	4.027
20) Methoxychlor	8.818	9.480	17019093	12544435	13.604	9.534 #
21) Endrin Ke...	9.219	9.770f	7230724	5521200	2.427	1.749 #
23) Hexachlor...	3.460	3.771	34860	57918	0.010	0.014 #
24) Hexachlor...	6.065	6.505	99325	133965	0.030	0.037
25) Oxychlorane	7.554	7.986	4657645	3921745	1.689	1.334
26) 2,4'-DDE	7.633	8.165	2268731	4649250	1.015	2.000 #
27) trans-Non...	7.802	8.268	6249517	4795073	1.966	1.426 #
28) 2,4'-DDD	8.021f	8.558	9487013	8141469	5.007	4.148
29) 2,4'-DDT	8.164	8.761	14404527	16361519	7.142	7.776

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222145.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 6:15  
 Operator : MJB FRONT COLUMN: 464.18  
 Sample : 1B22071-ICV4 REAR COLUMN: 466.11  
 Misc : A20K265, TOX 500 ppb  
 ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:40:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

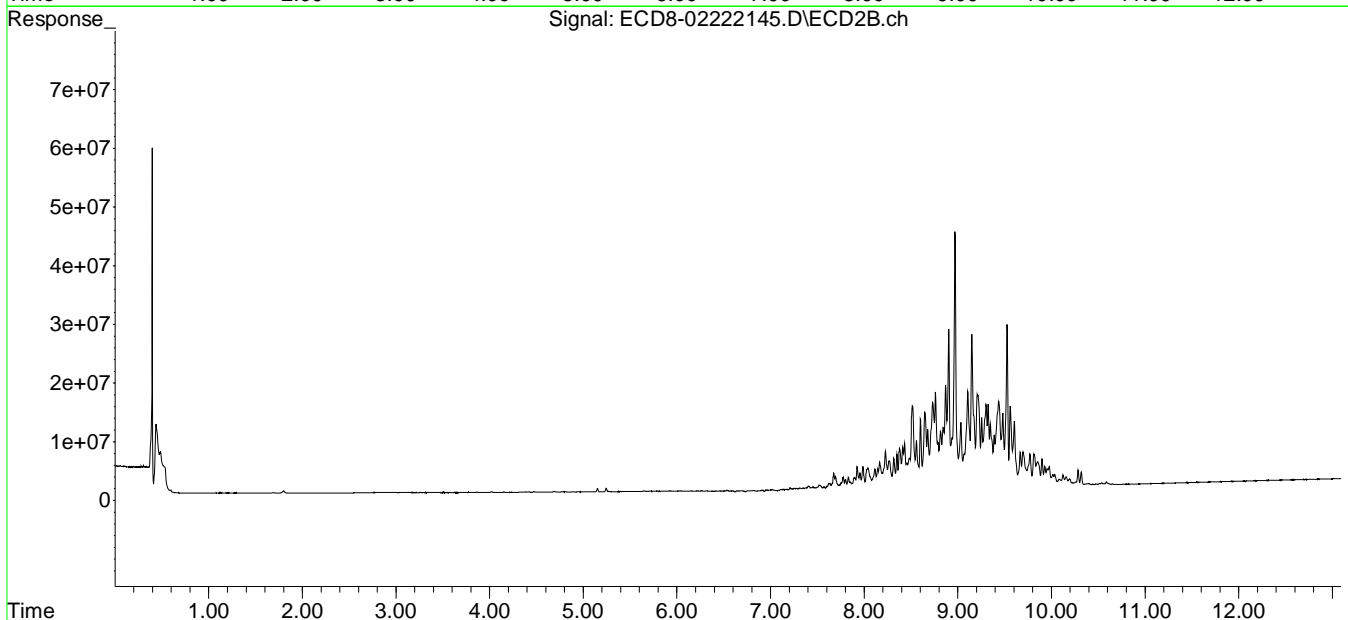
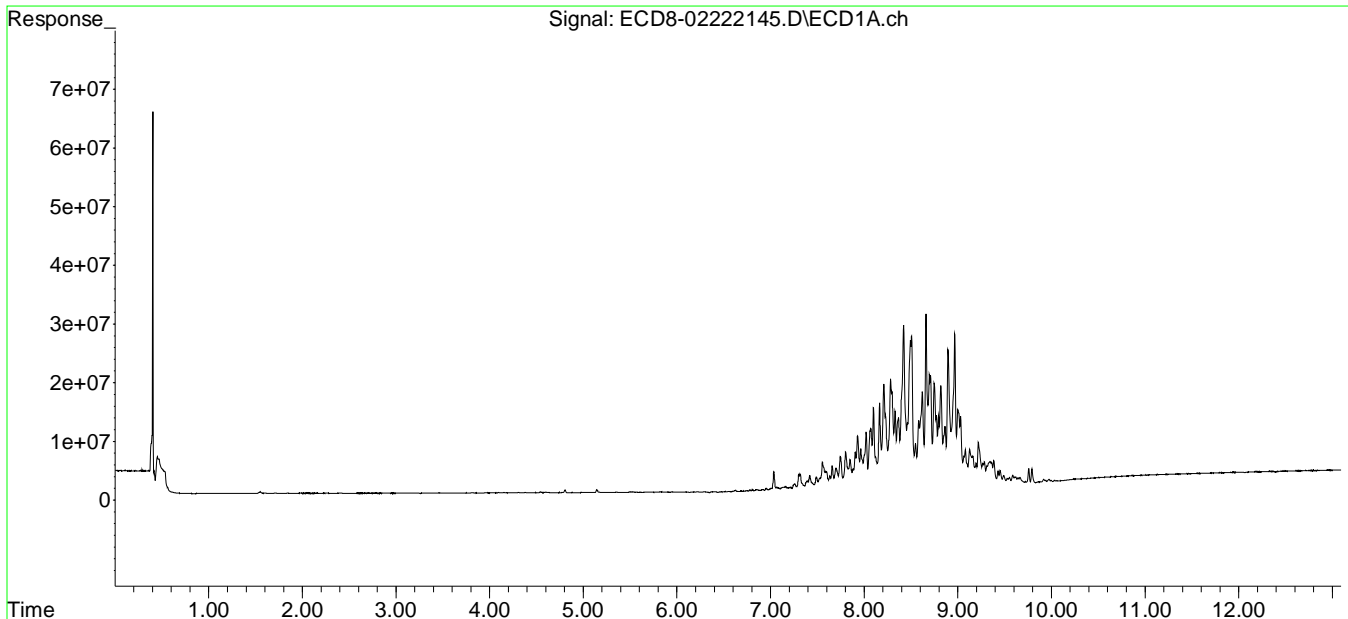
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.281	8.816	18450327	9656451	5.498	2.691 #
31)	Mirex	8.967	9.696f	25907256	5870084	12.889	2.702 #
32)	Chlordane...	7.697f	8.193	3539192	2752512	10.118	6.820 #
33)	Chlordane...	7.802	8.268f	6249517	4795073	17.978	14.213
34)	Chlordane...	8.366	8.938	11788852	8490946	111.748	76.073 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.802	8.515	6249517	14067960	434.963	443.808
37)	Toxaphene...	8.099	8.869	13651725	17531989	440.270	454.240
38)	Toxaphene...	8.420	8.903	27548640	26984580	477.271	467.206
39)	Toxaphene...	8.660	8.970	29317499	43645592	464.760	476.214
40)	Toxaphene...	8.895	9.149	23135834	26058919	486.892	474.703
41)	Toxaphene...	8.967	9.526	25907256	27582343	480.909	480.473
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222145.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 6:15  
Operator : MJB  
Sample : 1B22071-ICV4  
Misc : A20K265, TOX 500 ppb  
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:40:50 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222108.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:15  
 Operator : MJB  
 Sample : 1B22071-CAL3  
 Misc : A21B419, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:22:59 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	6570939	6476248	2.049	1.902
22) S DCBP (S)	9.909	10.605	4862674	3921756	2.129	2.105
Target Compounds						
2) a-BHC	6.228	6.651	8442991	8025686	1.984	1.771
3) g-BHC	6.515	6.967	7260697	7148210	2.000	1.831
4) b-BHC	6.600	7.034	3112810	3590924	1.990	2.032
5) Heptachlor	6.913	7.341	6812233	6718725	1.987	1.822
6) d-BHC	6.753	7.284	6559848	7153543	1.943	1.964
7) Aldrin	7.157	7.606	6841306	6503333	1.990	1.849
8) Heptachlo...	7.629	8.043	6334810	6156133	2.009	1.860
9) trans-Chl...	7.722	8.183	6514292	6467548	2.022	1.919
10) cis-Chlor...	7.819	8.291	6429067	6347411	2.040	1.958
11) Endosulfa...	7.925	8.341	5927379	5667008	2.044	1.883
12) 4,4'-DDE	7.869	8.390	6574372	6353008	1.909	1.808
13) Dieldrin	8.098	8.541	6386459	6082740	2.013	1.849
14) Endrin	8.269	8.766	5184256	4710797	2.004	1.927
15) 4,4'-DDD	8.302	8.807	5204597	5215526	1.923	1.846
16) Endosulfa...	8.432	8.914	5015784	5106823	1.993	1.912
17) 4,4'-DDT	8.499	9.033	4659787	4402871	1.901	1.849
18) Endrin Al...	8.729	9.151	7072015	6805826	2.082	2.447
19) Endosulfa...	9.038	9.347	5137902	5262376	2.054	1.972
20) Methoxychlor	8.830	9.502	2635891	2619141	2.107	1.991
21) Endrin Ke...	9.240	9.742	6080574	5714398	2.041	1.821
23) Hexachlor...	3.459	3.782	15762	141038	0.005	0.035 #
24) Hexachlor...	6.064	6.518	41039	15897	0.013	0.004 #
25) Oxychlorane	7.545	7.981	51811	91130	0.019	0.031 #
26) 2,4'-DDE	7.629	8.183	6334810	6467548	2.834	2.782
27) trans-Non...	7.819	8.246	6429067	136705	2.023	0.041 #
28) 2,4'-DDD	8.015	8.541	43777	6082740	0.023	3.066 #
29) 2,4'-DDT	8.182	8.766	22756	4710797	0.011	2.239 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222108.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:15  
 Operator : MJB  
 Sample : 1B22071-CAL3  
 Misc : A21B419, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

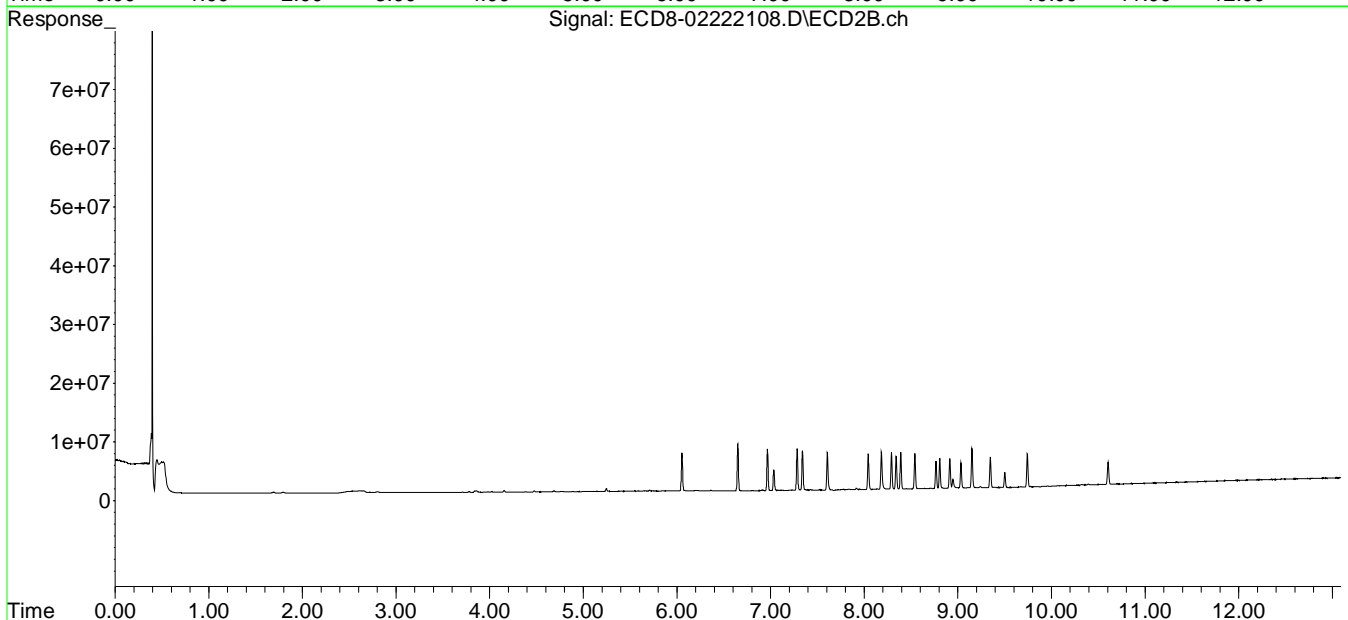
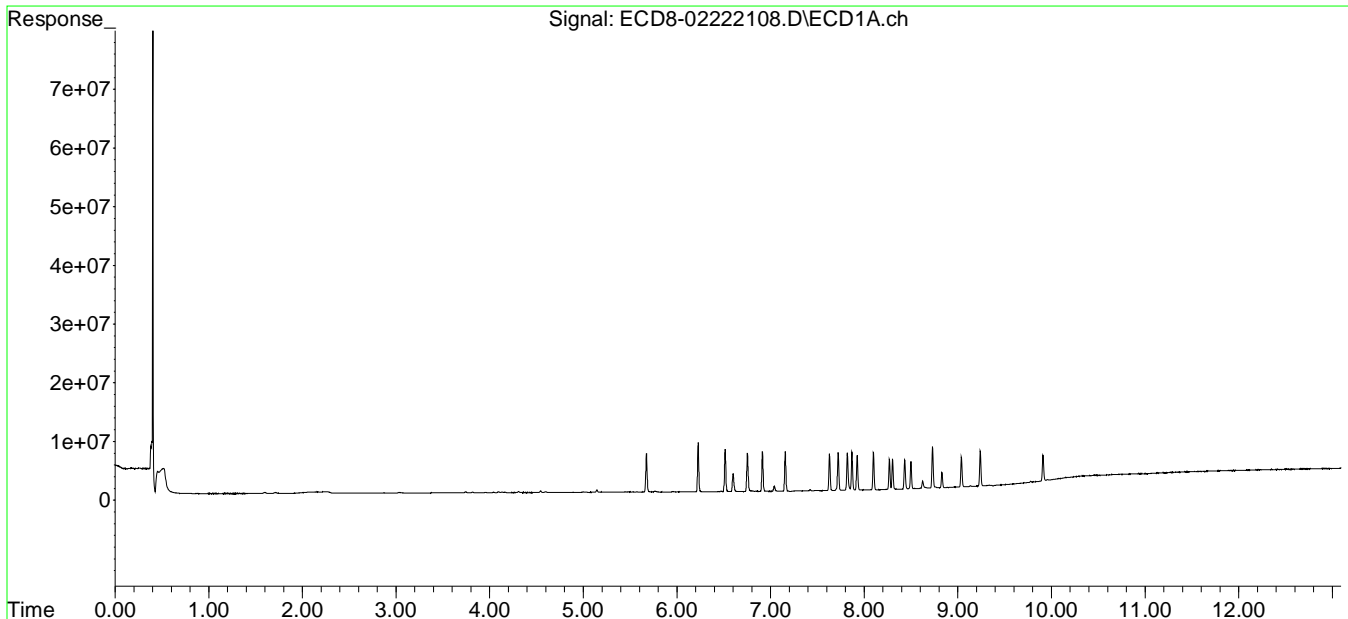
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:22:59 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.302	8.807	5204597	5215526	1.551	1.453
31)	Mirex	8.960	9.742	53363	5714398	21703.376	2.619 #
32)	Chlordane...	7.722	8.183	6514292	6467548	18.623	16.025
33)	Chlordane...	7.819	8.291	6429067	6347411	18.494	18.814
34)	Chlordane...	0.000	8.947	0	1599483	N.D.	4.940 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.541f	6429067	6082740	447.880	191.895 #
37)	Toxaphene...	8.098	8.863	6386459	74543	201.527	1.931 #
38)	Toxaphene...	8.432	8.914	5015784	5106823	86.897	88.419
39)	Toxaphene...	8.624f	8.995f	1281786	138386	20.320	BelowCal #
40)	Toxaphene...	8.886	9.151	42079	6805826	0.886	123.182 #
41)	Toxaphene...	8.970	9.502f	41292	2619141	0.766	45.624 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222108.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:15  
 Operator : MJB  
 Sample : 1B22071-CAL3  
 Misc : A21B419, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:22:59 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222109.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:32  
 Operator : MJB  
 Sample : 1B22071-CAL4  
 Misc : A21B420, AB 5 ppb  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:23:47 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.055	15956650	15775417	4.977	4.634
22) S DCBP (S)	9.911	10.606	9937318	8113103	4.653	4.543
Target Compounds						
2) a-BHC	6.228	6.651	21294746	21185744	5.004	4.675
3) g-BHC	6.516	6.968	17955161	18168209	4.946	4.653
4) b-BHC	6.598	7.033	7300772	8296777	4.668	4.940
5) Heptachlor	6.914	7.341	17248899	17480400	5.030	4.740
6) d-BHC	6.751	7.283	15951976	18013423	4.725	4.938
7) Aldrin	7.157	7.607	17219259	16498521	5.009	4.691
8) Heptachlo...	7.630	8.043	15222719	15245553	4.827	4.607
9) trans-Chl...	7.722	8.183	15604535	15559475	4.844	4.616
10) cis-Chlor...	7.820	8.291	15661447	14797422	4.968	4.564
11) Endosulfa...	7.926	8.341	13858786	13716981	4.779	4.558
12) 4,4'-DDE	7.870	8.391	16143492	16140360	4.688	4.592
13) Dieldrin	8.099	8.541	15725240	15123728	4.958	4.598
14) Endrin	8.270	8.767	12848627	12074035	4.967	4.913
15) 4,4'-DDD	8.303	8.807	12971826	12553517	4.793	4.443
16) Endosulfa...	8.432	8.915	12281197	12105322	4.880	4.533
17) 4,4'-DDT	8.500	9.034	11508534	11378648	4.695	4.809
18) Endrin Al...	8.730	9.152	11839116	12005526	4.387	4.612
19) Endosulfa...	9.039	9.347	11640588	11924025	4.654	4.468
20) Methoxychlor	8.832	9.502	6142820	6073400	4.910	4.616
21) Endrin Ke...	9.241	9.742	14042881	13246351	4.714	4.625
23) Hexachlor...	3.472	3.782	17518	152662	0.005	0.038 #
24) Hexachlor...	6.064	6.514	32292	28114	0.010	0.008
25) Oxychlorane	7.562	7.958	105781	118121	0.038	0.040
26) 2,4'-DDE	7.630	8.183	15222719	15559475	6.811	6.694
27) trans-Non...	7.820	8.247	15661447	141797	4.927	0.042 #
28) 2,4'-DDD	8.015	8.541	79047	15123728	0.042	7.804 #
29) 2,4'-DDT	8.179	8.767	50448	12074035	0.025	5.738 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222109.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:32  
 Operator : MJB  
 Sample : 1B22071-CAL4  
 Misc : A21B420, AB 5 ppb  
 ALS Vial : 7 Sample Multiplier: 1

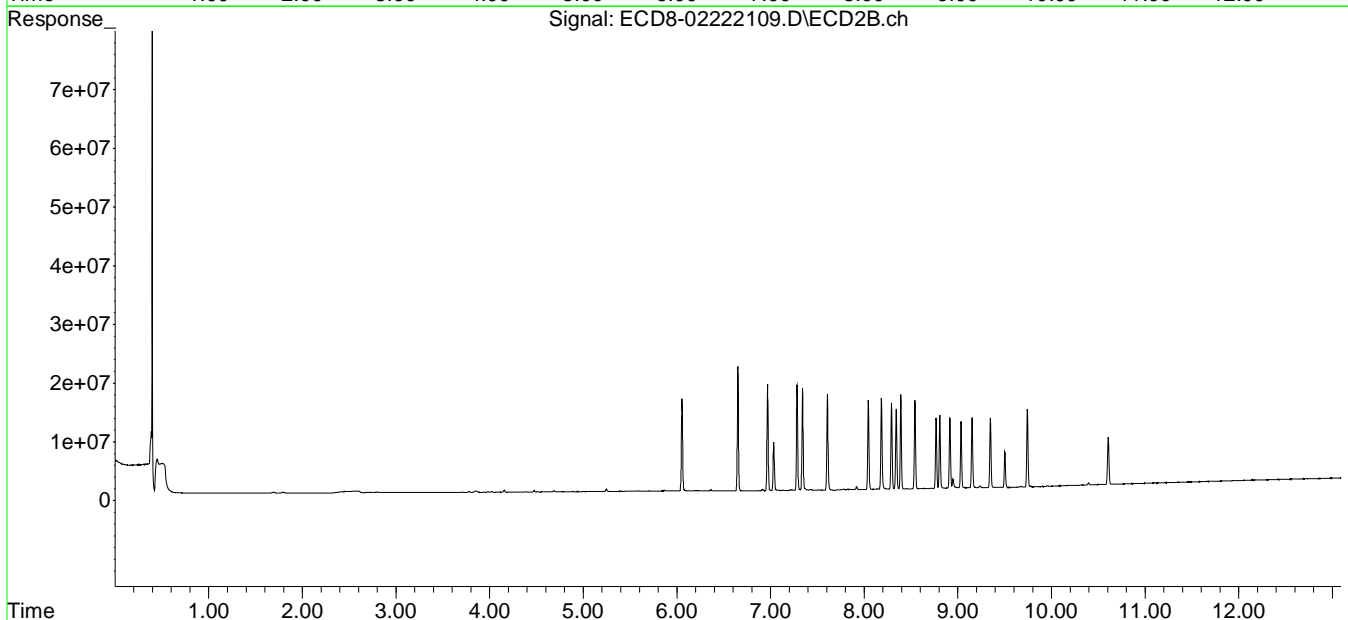
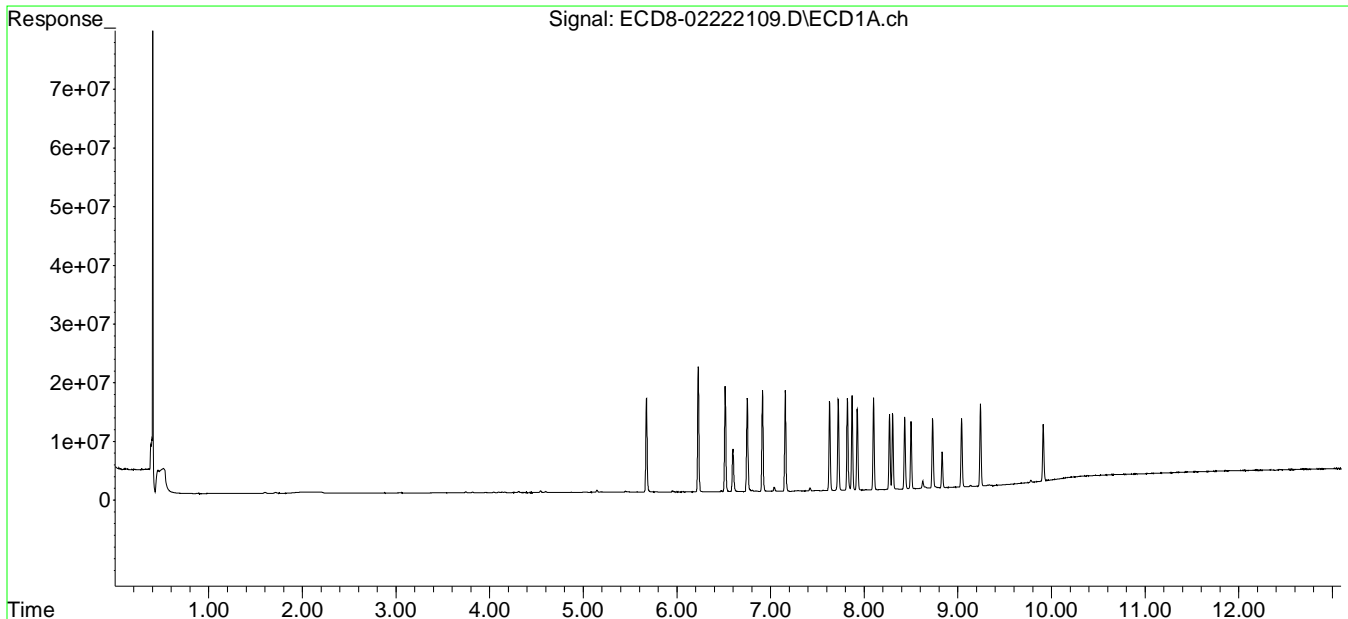
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:23:47 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.303	8.807	12971826	12553517	3.866	3.498
31)	Mirex	8.968	9.742	37213	13246351	21703.384	6.627 #
32)	Chlordane...	7.722	8.183	15604535	15559475	44.611	38.551
33)	Chlordane...	7.820	8.291	15661447	14797422	45.053	43.860
34)	Chlordane...	0.000	8.948	0	1593644	N.D.	4.879 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.820	8.541f	15661447	15123728	1146.943	477.114 #
37)	Toxaphene...	8.099	8.871	15725240	82809	510.295	2.146 #
38)	Toxaphene...	8.432	8.915	12281197	12105322	212.768	209.589
39)	Toxaphene...	8.653	8.948f	256401	1593644	4.065	14.300 #
40)	Toxaphene...	8.886	9.152	60535	12005526	1.274	219.278 #
41)	Toxaphene...	8.968	9.502f	37213	6073400	0.691	105.796 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222109.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 20:32  
Operator : MJB  
Sample : 1B22071-CAL4  
Misc : A21B420, AB 5 ppb  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:23:47 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:48  
 Operator : MJB  
 Sample : 1B22071-CAL5  
 Misc : A21B421, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	32046824	32628643	9.995	9.585
22) S DCBP (S)	9.909	10.604	20647986	17285054	10.001	9.875
Target Compounds						
2) a-BHC	6.228	6.651	43143303	44456771	10.139	9.810
3) g-BHC	6.515	6.967	37343018	38170370	10.287	9.775
4) b-BHC	6.595	7.032	14638560	16462393	9.360	9.954
5) Heptachlor	6.913	7.341	35009888	35973205	10.209	9.755
6) d-BHC	6.748	7.282	32868480	35952679	9.736	9.793
7) Aldrin	7.156	7.606	35394818	34372238	10.296	9.773
8) Heptachlo...	7.628	8.042	30842913	30888154	9.780	9.334
9) trans-Chl...	7.721	8.182	31887397	32355079	9.899	9.598
10) cis-Chlor...	7.819	8.290	31586341	30155924	10.020	9.301
11) Endosulfa...	7.923	8.341	28705228	28389335	9.899	9.432
12) 4,4'-DDE	7.868	8.390	34390588	33797259	9.988	9.616
13) Dieldrin	8.098	8.540	32579699	31818967	10.271	9.674
14) Endrin	8.268	8.766	26998463	25358817	10.436	10.230
15) 4,4'-DDD	8.302	8.806	26917371	27028607	9.945	9.566
16) Endosulfa...	8.431	8.913	25113069	25269317	9.980	9.462
17) 4,4'-DDT	8.498	9.033	24352811	23928513	9.934	10.058
18) Endrin Al...	8.729	9.149	23895451	23767692	10.182	9.497
19) Endosulfa...	9.037	9.345	25307369	25574107	10.118	9.583
20) Methoxychlor	8.830	9.501	12583336	12528445	10.058	9.522
21) Endrin Ke...	9.238	9.742	29315337	28944529	9.841	10.393
23) Hexachlor...	3.461	3.781	24066	138829	0.007	0.035 #
24) Hexachlor...	6.063	6.508	79647	41136	0.024	0.011 #
25) Oxychlorane	7.561	7.946f	171663	135549	0.062	0.046 #
26) 2,4'-DDE	7.628	8.182	30842913	32355079	13.800	13.919
27) trans-Non...	7.819	8.246	31586341	185211	9.938	0.055 #
28) 2,4'-DDD	8.014	8.540	143662	31818967	0.076	16.459 #
29) 2,4'-DDT	8.180	8.766	94768	25358817	0.047	12.051 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:48  
 Operator : MJB  
 Sample : 1B22071-CAL5  
 Misc : A21B421, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

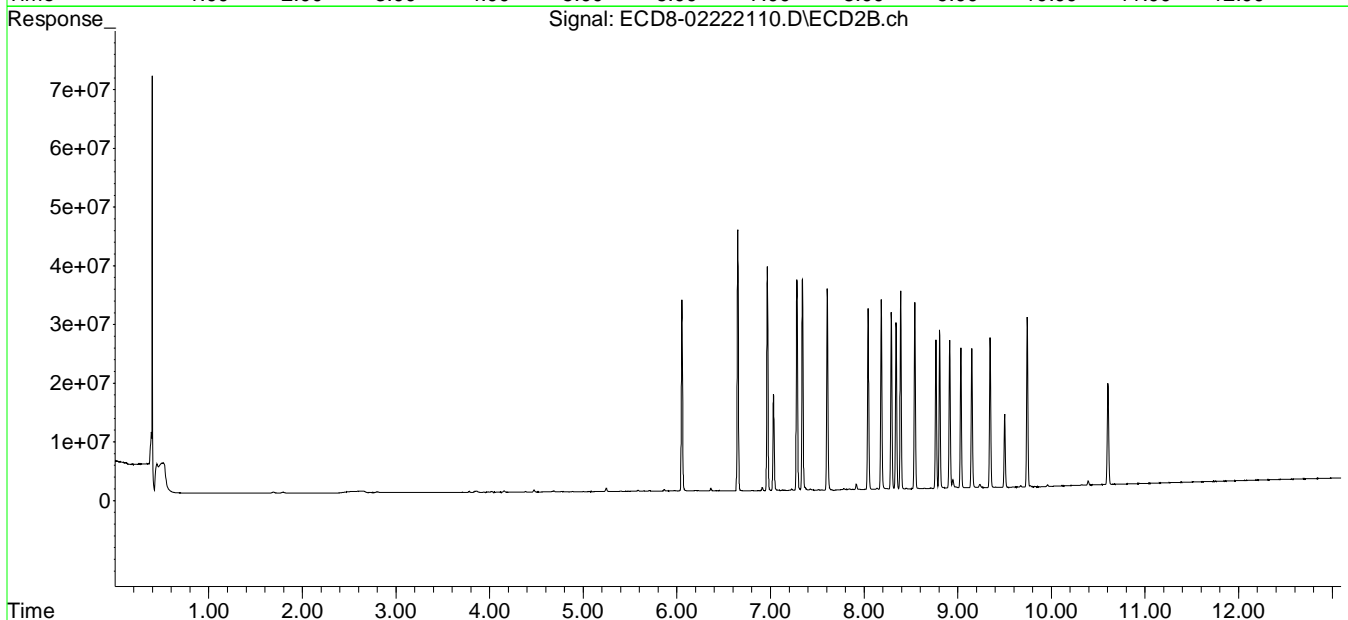
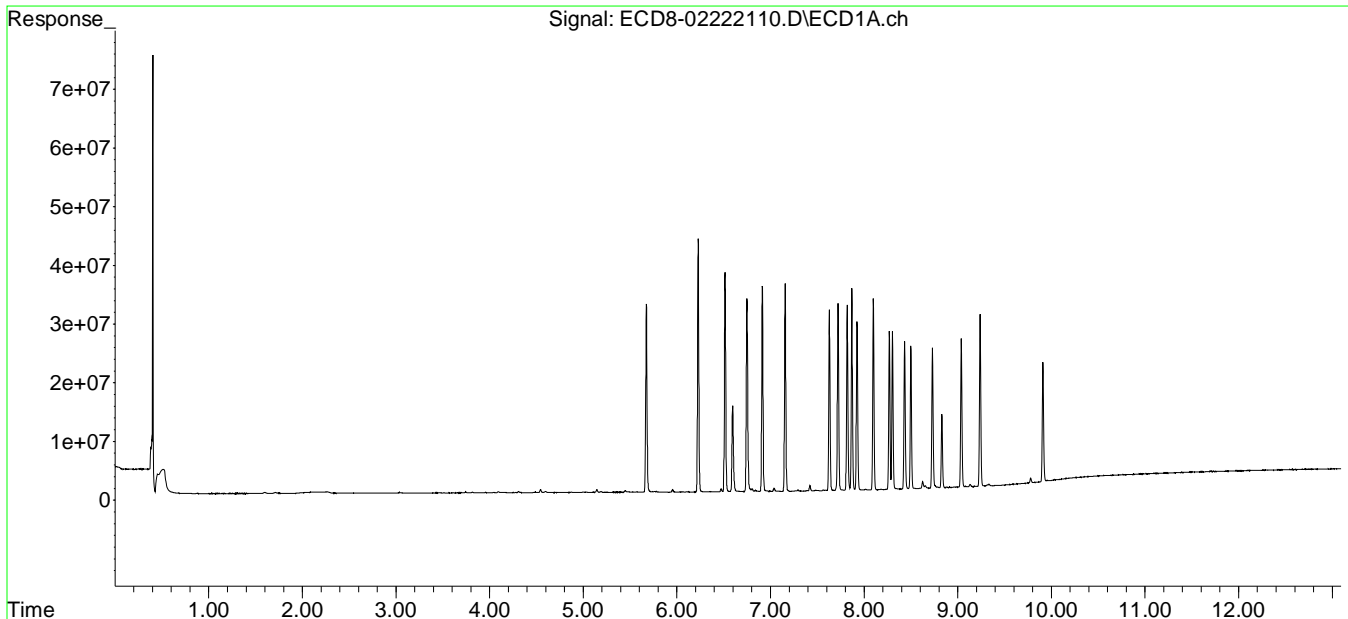
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.302	8.806	26917371	27028607	8.022	7.531
31)	Mirex	8.962	9.742	76081	28944529	21703.365	14.897 #
32)	Chlordane...	7.721	8.182	31887397	32355079	91.161	80.166
33)	Chlordane...	7.819	8.290	31586341	30155924	90.864	89.383
34)	Chlordane...	0.000	8.947	0	1499925	N.D.	3.903 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.540f	31586341	31818967	2577.434	1003.806 #
37)	Toxaphene...	8.098	8.876	32579699	122641	1116.250	3.178 #
38)	Toxaphene...	8.431	8.913	25113069	25269317	435.076	437.508
39)	Toxaphene...	8.651	8.981	471063	241986	7.468	BelowCal #
40)	Toxaphene...	8.885	9.149	115866	23767692	2.438	433.475 #
41)	Toxaphene...	8.962	9.501f	76081	12528445	1.412	218.240 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:48  
 Operator : MJB  
 Sample : 1B22071-CAL5  
 Misc : A21B421, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:04  
 Operator : MJB  
 Sample : 1B22071-CAL6  
 Misc : A21B422, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:11 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.055	79601464	82748070	24.826	24.308
22) S DCBP (S)	9.910	10.604	51000883	45609398	25.323	26.306
Target Compounds						
2) a-BHC	6.228	6.652	105.6E6	115.0E6	24.809	25.384
3) g-BHC	6.515	6.967	91714097	98036924	25.266	25.105
4) b-BHC	6.595	7.032	36694118	41509006	23.462	25.087
5) Heptachlor	6.913	7.341	82719992	86180505	24.123	23.370
6) d-BHC	6.748	7.281	84216794	96705403	24.947	25.729
7) Aldrin	7.156	7.606	88186562	90509030	25.653	25.734
8) Heptachlo...	7.628	8.043	74668510	80397137	23.676	24.295
9) trans-Chl...	7.721	8.182	79563152	81637426	24.698	24.217
10) cis-Chlor...	7.819	8.290	76937788	79679491	24.408	24.575
11) Endosulfa...	7.924	8.341	69955426	75495061	24.123	25.084
12) 4,4'-DDE	7.868	8.390	84634913	88561906	24.580	25.198
13) Dieldrin	8.098	8.541	78956370	83779771	24.892	25.471
14) Endrin	8.268	8.767	63883003	64065205	24.694	25.255
15) 4,4'-DDD	8.301	8.807	66911718	70350878	24.722	24.900
16) Endosulfa...	8.430	8.913	62928659	67368331	25.007	25.225
17) 4,4'-DDT	8.498	9.033	61132249	63353142	24.937	25.946
18) Endrin Al...	8.729	9.150	57480633	59361559	26.064	24.175
19) Endosulfa...	9.038	9.345	61879247	64840847	24.740	24.297
20) Methoxychlor	8.830	9.501	31016403	31169875	24.793	23.691
21) Endrin Ke...	9.239	9.741	73664687	75563273	24.730	26.959
23) Hexachlor...	3.463	3.781	24893	131924	0.007	0.033 #
24) Hexachlor...	6.063	6.514	166326	10208	0.051	0.003 #
25) Oxychlorane	7.561	7.961	369007	107597	0.134	0.037 #
26) 2,4'-DDE	7.628	8.182	74668510	81637426	33.410	35.121
27) trans-Non...	7.819	8.247	76937788	274482	24.207	0.082 #
28) 2,4'-DDD	8.014	8.541	490626	83779771	0.259	42.672 #
29) 2,4'-DDT	8.178	8.767	212794	64065205	0.106	30.446 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:04  
 Operator : MJB  
 Sample : 1B22071-CAL6  
 Misc : A21B422, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

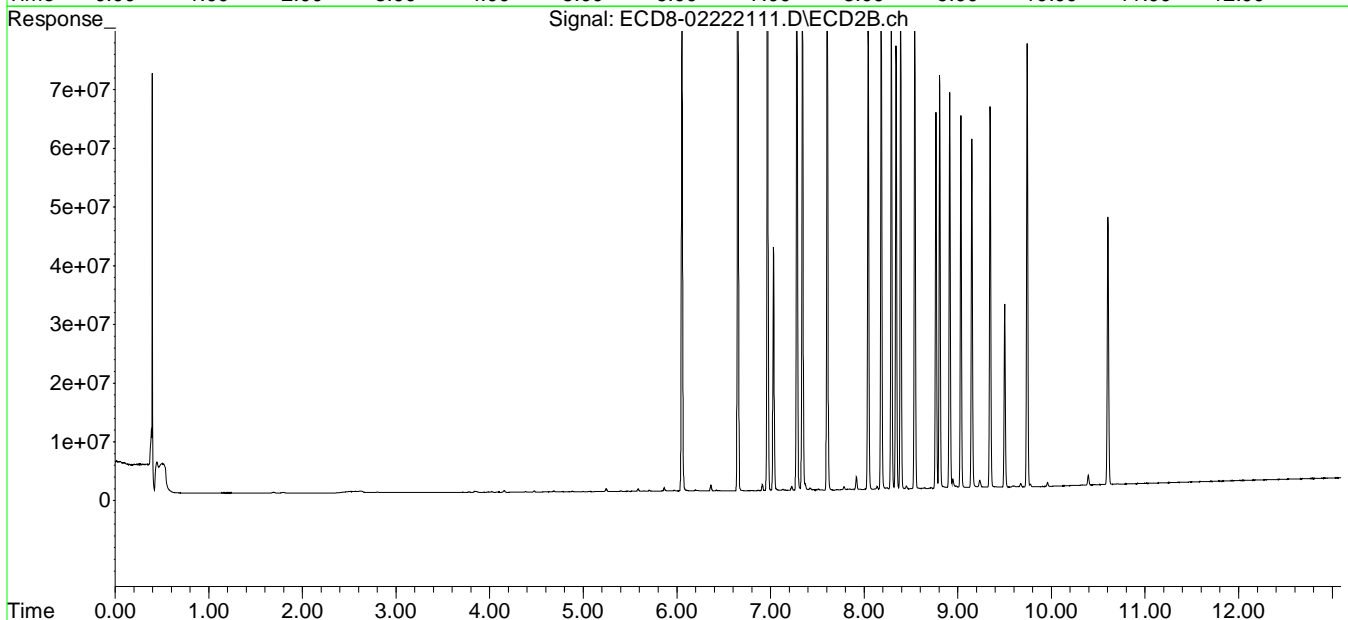
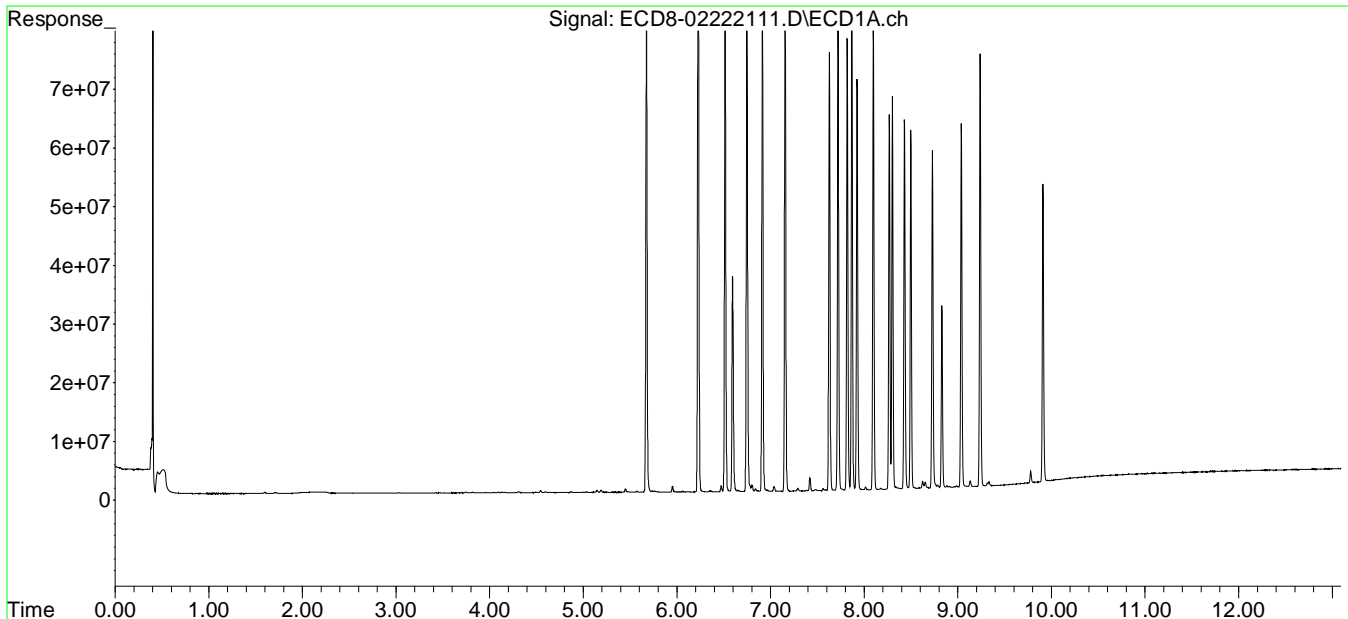
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:11 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.301	8.807	66911718	70350878	19.940	19.602
31)	Mirex	8.963	9.741	95583	75563273	21703.355	38.844 #
32)	Chlordane...	7.721	8.182	79563152	81637426	227.459	202.272
33)	Chlordane...	7.819	8.290	76937788	79679491	221.327	236.173
34)	Chlordane...	8.362	8.947	185485	1513915	1.758	4.049 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.500	76937788	59630	BelowCal	1.881
37)	Toxaphene...	8.098	0.000	78956370	0	3427.913	N.D. #
38)	Toxaphene...	8.430	8.913	62928659	67368331	1090.219	1166.403
39)	Toxaphene...	8.652	8.981	1018605	337649	16.148	BelowCal #
40)	Toxaphene...	8.885	9.150	290721	59361559	6.118	1057.021 #
41)	Toxaphene...	8.963	9.501f	95583	31169875	1.774	542.966 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:04  
 Operator : MJB  
 Sample : 1B22071-CAL6  
 Misc : A21B422, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:11 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:20  
 Operator : MJB  
 Sample : 1B22071-CAL7  
 Misc : A21B423, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	153.4E6	168.1E6	47.850	49.370
22) S DCBP (S)	9.909	10.605	94459682	85774479	47.707	49.520
Target Compounds						
2) a-BHC	6.228	6.651	207.4E6	238.2E6	48.750	52.562
3) g-BHC	6.515	6.967	182.6E6	199.3E6	50.303	51.036
4) b-BHC	6.593	7.031	76306231	84844717	48.789	50.452
5) Heptachlor	6.913	7.341	168.7E6	187.3E6	49.184	50.803
6) d-BHC	6.746	7.281	176.9E6	202.8E6	52.416	51.932
7) Aldrin	7.156	7.606	175.8E6	183.7E6	51.135	52.231
8) Heptachlo...	7.627	8.041	152.1E6	163.7E6	48.213	49.467
9) trans-Chl...	7.720	8.181	155.9E6	169.4E6	48.403	50.256
10) cis-Chlor...	7.817	8.289	148.5E6	157.1E6	47.103	48.463
11) Endosulfa...	7.922	8.340	139.4E6	150.6E6	48.080	50.047
12) 4,4'-DDE	7.867	8.389	168.1E6	180.1E6	48.830	51.232
13) Dieldrin	8.096	8.540	156.4E6	171.0E6	49.314	51.996
14) Endrin	8.268	8.765	132.7E6	136.7E6	51.308	51.810
15) 4,4'-DDD	8.300	8.805	132.8E6	148.6E6	49.052	52.584
16) Endosulfa...	8.429	8.912	127.3E6	134.5E6	50.603	50.351
17) 4,4'-DDT	8.497	9.031	126.4E6	134.2E6	51.558	52.565
18) Endrin Al...	8.727	9.148	111.0E6	118.2E6	50.630	48.118
19) Endosulfa...	9.035	9.344	122.6E6	134.5E6	49.035	50.401
20) Methoxychlor	8.828	9.500	62642760	66364315	50.073	50.440
21) Endrin Ke...	9.237	9.741	143.0E6	151.1E6	47.990	52.245
23) Hexachlor...	3.467	3.782	21256	148361	0.006	0.037 #
24) Hexachlor...	6.064	6.513	312831	18459	0.096	0.005 #
25) Oxychlordan	7.560	7.959	734975	144881	0.267	0.049 #
26) 2,4'-DDE	7.627	8.181	152.1E6	169.4E6	68.034	72.885
27) trans-Non...	7.817	8.246	148.5E6	454999	46.714	0.135 #
28) 2,4'-DDD	8.012	8.540	682925	171.0E6	0.360	84.486 #
29) 2,4'-DDT	8.176	8.765	455648	136.7E6	0.226	64.969 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:20  
 Operator : MJB  
 Sample : 1B22071-CAL7  
 Misc : A21B423, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

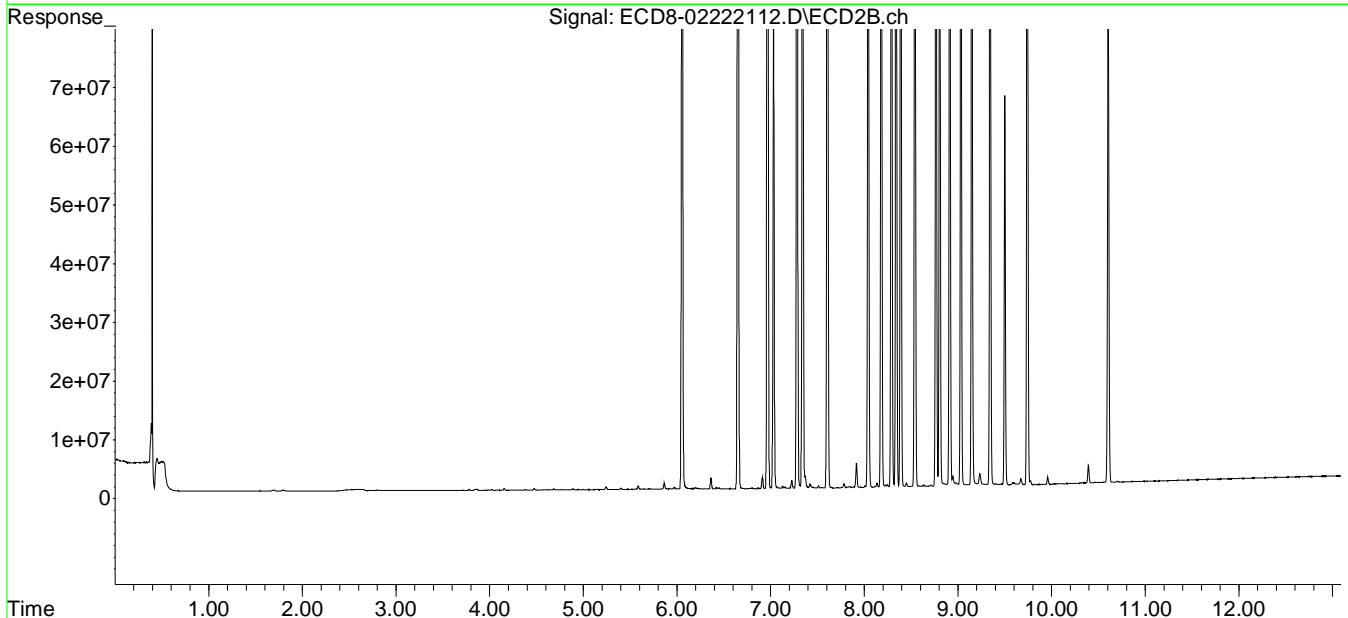
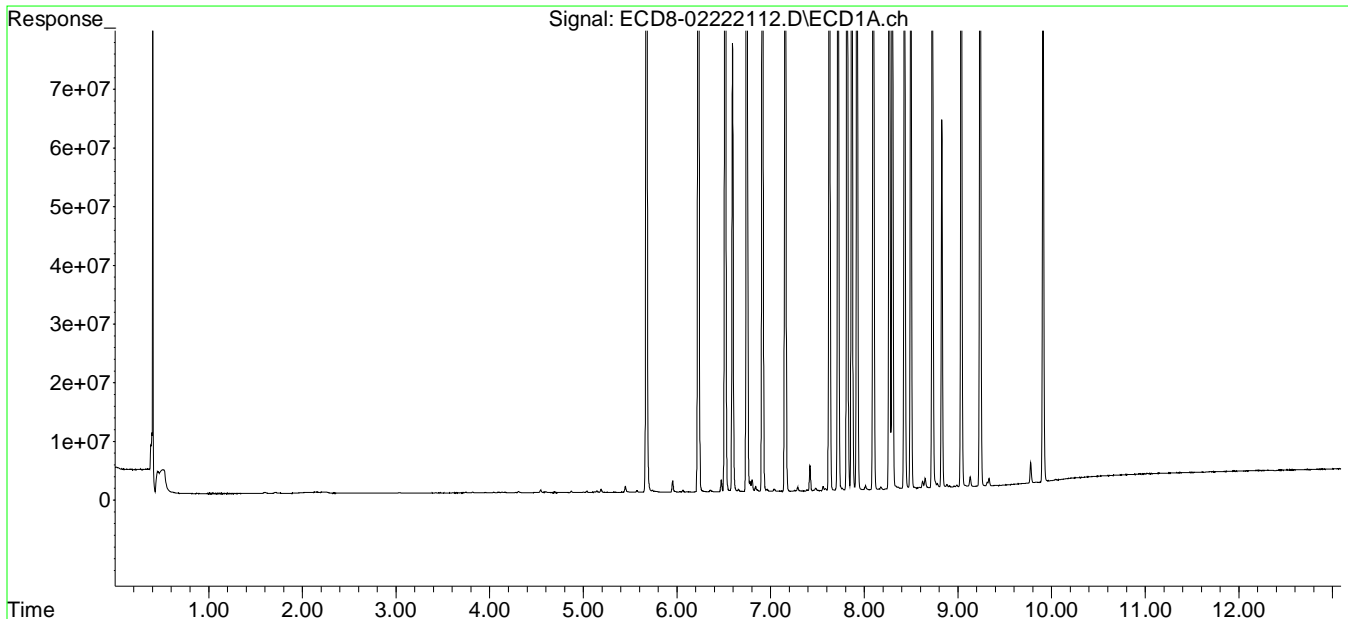
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.300	8.805	132.8E6	148.6E6	39.564	41.395
31)	Mirex	8.961	9.741	160897	151.1E6	21703.322	75.895 #
32)	Chlordane...	7.720	8.181	155.9E6	169.4E6	445.772	419.766
33)	Chlordane...	7.817	8.289	148.5E6	157.1E6	427.120	465.737
34)	Chlordane...	8.360f	8.945	337878	1740858	3.203	6.411 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.817	8.540f	148.5E6	171.0E6	BelowCal	5395.382
37)	Toxaphene...	8.096	8.849f	156.4E6	469801	BelowCal	12.172
38)	Toxaphene...	8.429	8.912	127.3E6	134.5E6	2206.076	2328.211
39)	Toxaphene...	8.649	8.979	1635824	589055	25.932	2.862 #
40)	Toxaphene...	8.910	9.148	261624	118.2E6	5.506	2018.961 #
41)	Toxaphene...	8.961	9.500f	160897	66364315	2.987	1156.038 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:20  
 Operator : MJB  
 Sample : 1B22071-CAL7  
 Misc : A21B423, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:37  
 Operator : MJB  
 Sample : 1B22071-CAL8  
 Misc : A21B424, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:36 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.055	315.8E6	358.1E6	98.483	105.205
22) S DCBP (S)	9.913	10.608	199.2E6	181.9E6	104.013	104.673
Target Compounds						
2) a-BHC	6.228	6.651	437.9E6	508.7E6	102.900	112.263
3) g-BHC	6.515	6.968	381.3E6	433.4E6	105.048	110.984
4) b-BHC	6.594	7.031	156.4E6	180.6E6	100.027	103.286
5) Heptachlor	6.914	7.341	354.0E6	409.3E6	103.227	111.003
6) d-BHC	6.747	7.281	372.4E6	436.1E6	110.304	103.902
7) Aldrin	7.157	7.606	354.2E6	391.1E6	103.019	111.206
8) Heptachlo...	7.629	8.043	313.0E6	357.7E6	99.235	108.097
9) trans-Chl...	7.721	8.183	326.1E6	357.5E6	101.220	106.049
10) cis-Chlor...	7.819	8.291	309.8E6	341.6E6	98.284	105.362
11) Endosulfa...	7.925	8.341	289.1E6	319.9E6	99.680	106.301
12) 4,4'-DDE	7.869	8.390	338.2E6	384.6E6	98.219	109.431
13) Dieldrin	8.099	8.541	316.4E6	359.7E6	99.743	109.369
14) Endrin	8.270	8.767	274.9E6	304.5E6	106.274	106.850
15) 4,4'-DDD	8.302	8.807	270.3E6	306.3E6	99.854	108.414
16) Endosulfa...	8.431	8.914	256.4E6	291.5E6	101.898	109.153
17) 4,4'-DDT	8.499	9.034	270.6E6	301.9E6	110.377	108.168
18) Endrin Al...	8.730	9.151	229.6E6	251.2E6	102.260	100.780
19) Endosulfa...	9.039	9.347	250.7E6	286.0E6	100.219	107.160
20) Methoxychlor	8.831	9.502	126.8E6	146.2E6	101.323	111.101
21) Endrin Ke...	9.241	9.743	297.0E6	324.8E6	99.708	104.740
23) Hexachlor...	3.429f	3.781	24891	150218	0.007	0.037 #
24) Hexachlor...	6.063	6.517	584065	21750	0.179	0.006 #
25) Oxychlorane	7.561	7.961	1393297	174651	0.505	0.059 #
26) 2,4'-DDE	7.629	8.183	313.0E6	357.5E6	140.033	153.802
27) trans-Non...	7.819	8.247	309.8E6	765991	97.473	0.228 #
28) 2,4'-DDD	8.014	8.541	1267416	359.7E6	0.669	167.345 #
29) 2,4'-DDT	8.179	8.767	878742	304.5E6	0.436	144.711 #



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:37  
 Operator : MJB  
 Sample : 1B22071-CAL8  
 Misc : A21B424, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

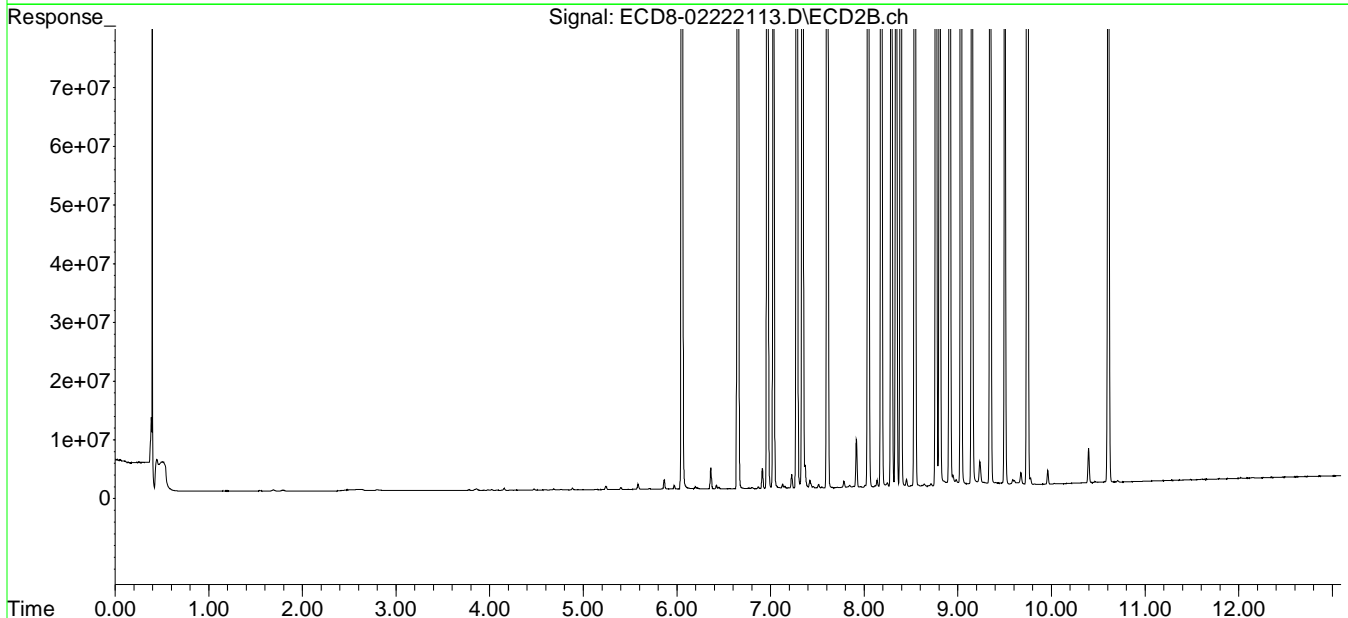
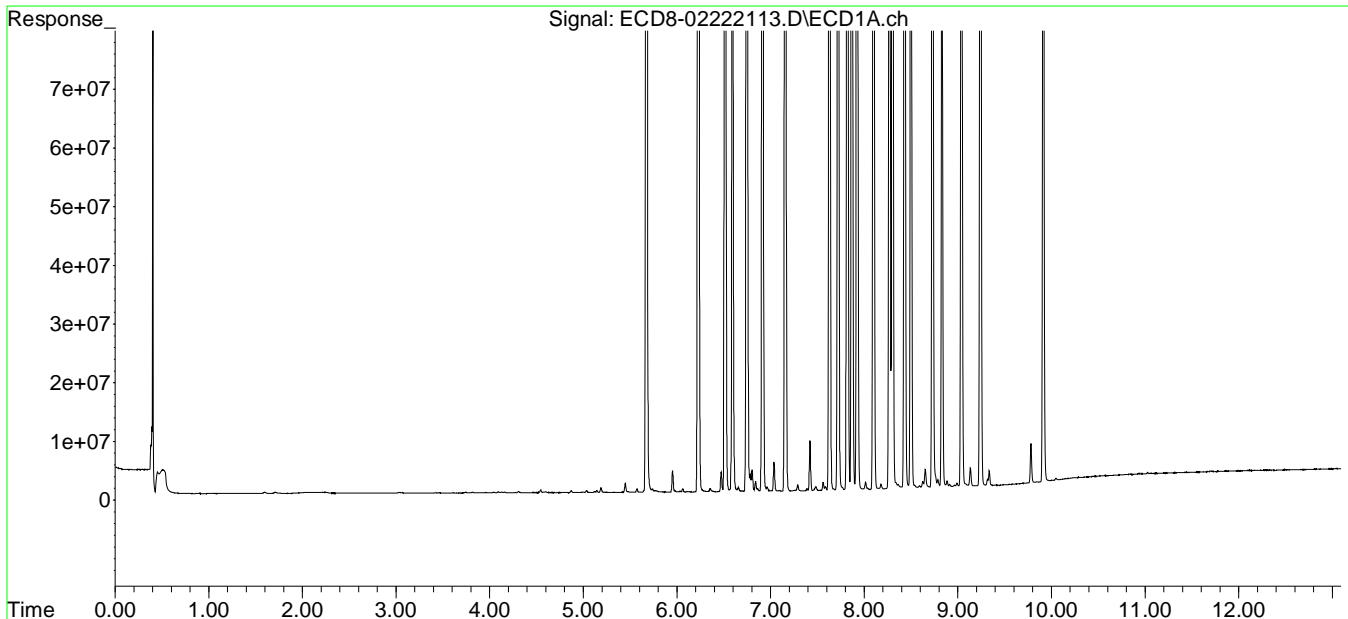
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:36 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.302	8.807	270.3E6	306.3E6	80.539	85.345
31)	Mirex	8.964	9.743	268138	324.8E6	21703.268	154.386 #
32)	Chlordane...	7.721	8.183	326.1E6	357.5E6	932.195	885.786
33)	Chlordane...	7.819	8.291	309.8E6	341.6E6	891.224	1012.554
34)	Chlordane...	8.362	8.947	705507	1853174	6.688	7.579
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.541f	309.8E6	359.7E6	BelowCal	11348.744
37)	Toxaphene...	8.099	0.000	316.4E6	0	BelowCal	N.D.
38)	Toxaphene...	8.431	8.914	256.4E6	291.5E6	4442.349	5047.212
39)	Toxaphene...	8.652	8.981	3127615	1085643	49.581	8.519 #
40)	Toxaphene...	8.885	9.151	1021011	251.2E6	21.487	3954.585 #
41)	Toxaphene...	8.964	9.502f	268138	146.2E6	4.977	2546.334 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:37  
 Operator : MJB  
 Sample : 1B22071-CAL8  
 Misc : A21B424, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:36 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222114.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:53  
 Operator : MJB  
 Sample : 1B22071-CAL9  
 Misc : A21B418, AB 200 ppb  
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:46 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	632.9E6	767.1E6	197.387	225.346
22) S DCBP (S)	9.912	10.607	359.3E6	341.6E6	198.071	195.086
Target Compounds						
2) a-BHC	6.228	6.652	885.2E6	1056.4E6	208.026	233.103
3) g-BHC	6.515	6.968	756.8E6	894.4E6	208.482	229.033
4) b-BHC	6.593	7.031	311.5E6	367.9E6	199.146	196.756
5) Heptachlor	6.914	7.342	702.3E6	842.8E6	204.804	228.554
6) d-BHC	6.746	7.282	744.8E6	919.3E6	220.615	195.175
7) Aldrin	7.157	7.606	700.5E6	819.9E6	203.766	233.124
8) Heptachlo...	7.628	8.043	613.7E6	718.6E6	194.603	217.147
9) trans-Chl...	7.720	8.183	644.6E6	750.7E6	200.094	222.684
10) cis-Chlor...	7.819	8.291	619.4E6	712.2E6	196.511	219.652
11) Endosulfa...	7.924	8.342	574.7E6	650.2E6	198.177	216.045
12) 4,4'-DDE	7.868	8.391	659.5E6	764.0E6	191.529	217.379
13) Dieldrin	8.098	8.541	608.1E6	728.7E6	191.722	221.550
14) Endrin	8.269	8.767	515.2E6	613.5E6	199.132	192.931
15) 4,4'-DDD	8.301	8.807	544.4E6	624.8E6	201.158	221.149
16) Endosulfa...	8.431	8.914	510.5E6	604.4E6	202.866	226.308
17) 4,4'-DDT	8.498	9.034	522.8E6	601.6E6	213.252	191.260
18) Endrin Al...	8.729	9.151	468.7E6	520.6E6	196.897	202.113
19) Endosulfa...	9.038	9.347	490.2E6	574.9E6	195.973	215.441
20) Methoxychlor	8.830	9.503	253.5E6	286.2E6	202.658	217.488
21) Endrin Ke...	9.240	9.744	581.8E6	669.7E6	195.309	193.325
23) Hexachlor...	3.466	3.762	31753	30188	0.009	0.008
24) Hexachlor...	6.063	6.516	1089421	46552	0.334	0.013 #
25) Oxychlorane	7.559	7.960	2670304	272034	0.968	0.093 #
26) 2,4'-DDE	7.628	8.183	613.7E6	750.7E6	274.608	322.956
27) trans-Non...	7.819	8.247	619.4E6	1402597	194.890	0.417 #
28) 2,4'-DDD	8.013	8.541	2552835	728.7E6	1.347	308.168 #
29) 2,4'-DDT	8.177	8.767	1643863	613.5E6	0.815	291.563 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222114.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:53  
 Operator : MJB  
 Sample : 1B22071-CAL9  
 Misc : A21B418, AB 200 ppb  
 ALS Vial : 12 Sample Multiplier: 1

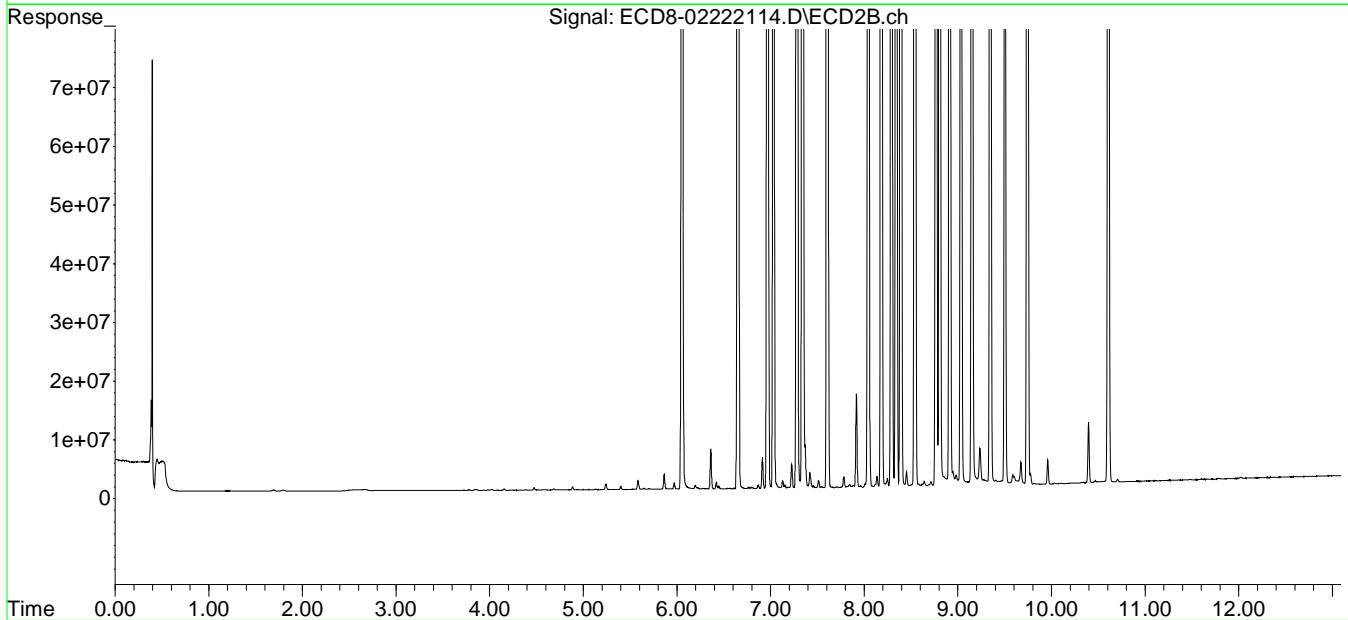
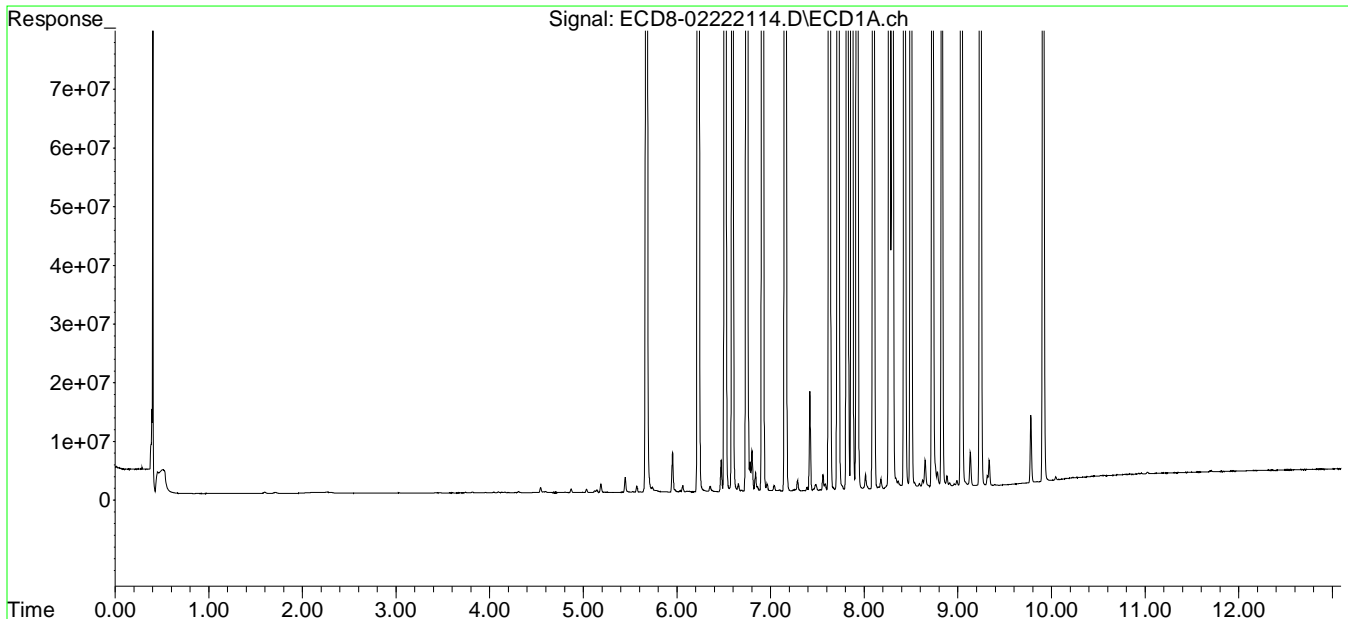
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:24:46 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.301	8.807	544.4E6	624.8E6	162.246	174.093
31)	Mirex	8.962	9.744	474372	669.7E6	0.061	290.328 #
32)	Chlordane...	7.720	8.183	644.6E6	750.7E6	1842.777	1859.991
33)	Chlordane...	7.819	8.291	619.4E6	712.2E6	1781.935	2110.911
34)	Chlordane...	8.362	8.946	1247273	2480209	11.823	14.095
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.819	8.541f	619.4E6	728.7E6	BelowCal	22989.325
37)	Toxaphene...	8.098	0.000	608.1E6	0	BelowCal	N.D.
38)	Toxaphene...	8.431	8.914	510.5E6	604.4E6	8844.185	10464.439
39)	Toxaphene...	8.650	8.981	4658292	1819176	73.846	16.865 #
40)	Toxaphene...	8.883	9.151	1878097	520.6E6	39.524	7232.156 #
41)	Toxaphene...	8.962	9.503f	474372	286.2E6	8.806	4984.613 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222114.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 21:53  
Operator : MJB  
Sample : 1B22071-CAL9  
Misc : A21B418, AB 200 ppb  
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:24:46 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222118.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:57  
 Operator : MJB  
 Sample : 1B22071-CALB  
 Misc : A20I180, 9-42 1 ppb  
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:25:22 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.674	6.054	163914	201532	0.051	0.059
22) S DCBP (S)	9.914	10.609	417197	205953	1931.131	BelowCal #
Target Compounds						
2) a-BHC	6.228	6.651	493609	481440	0.116	0.106
3) g-BHC	6.515	6.967	477550	472564	0.132	0.121
4) b-BHC	6.608	7.038	280660	330179	0.179	0.009 #
5) Heptachlor	6.914	7.342	458833	514547	0.134	0.140
6) d-BHC	6.759	7.286	518821	609518	0.154	0.159
7) Aldrin	7.157	7.606	415097	441066	0.121	0.125
8) Heptachlo...	7.619	8.044	2600936	524525	0.825	0.159 #
9) trans-Chl...	7.724	8.168	552223	2527723	0.171	0.750 #
10) cis-Chlor...	7.807	8.292	3695838	582593	1.172	0.180 #
11) Endosulfa...	7.926	8.342	432223	450496	0.149	0.150
12) 4,4'-DDE	7.871	8.392	538791	448162	0.156	0.128
13) Dieldrin	8.100	8.543	443434	2566323	0.140	0.780 #
14) Endrin	8.289f	8.766	3845722	2378708	1.487	0.976 #
15) 4,4'-DDD	8.289	8.813	3845722	3967974	1.421	1.404
16) Endosulfa...	8.435	8.916	412514	465594	0.164	0.174
17) 4,4'-DDT	8.502	9.035	302244	350706	0.123	0.114
18) Endrin Al...	8.733	9.153	676958	725788	BelowCal	BelowCal
19) Endosulfa...	9.041	9.348	476405	548509	0.190	0.206
20) Methoxychlor	8.834	9.503	185670	212691	0.148	0.162
21) Endrin Ke...	9.243	9.734	480814	2872803	0.161	0.757 #
23) Hexachlor...	3.463	3.771	3849131	4234435	1.107	1.056
24) Hexachlor...	6.063	6.519	3773640	4089957	1.157	1.139
25) Oxychlorane	7.552	7.974	3178037	3292723	1.153	1.120
26) 2,4'-DDE	7.619	8.168	2600936	2527723	1.164	1.087
27) trans-Non...	7.807	8.250	3695838	3710614	1.163	1.103
28) 2,4'-DDD	8.001	8.543	2270647	2566323	1.198	1.214
29) 2,4'-DDT	8.181	8.766	2238924	2378708	1.110	1.130

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222118.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:57  
 Operator : MJB  
 Sample : 1B22071-CALB  
 Misc : A20I180, 9-42 1 ppb  
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:25:22 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

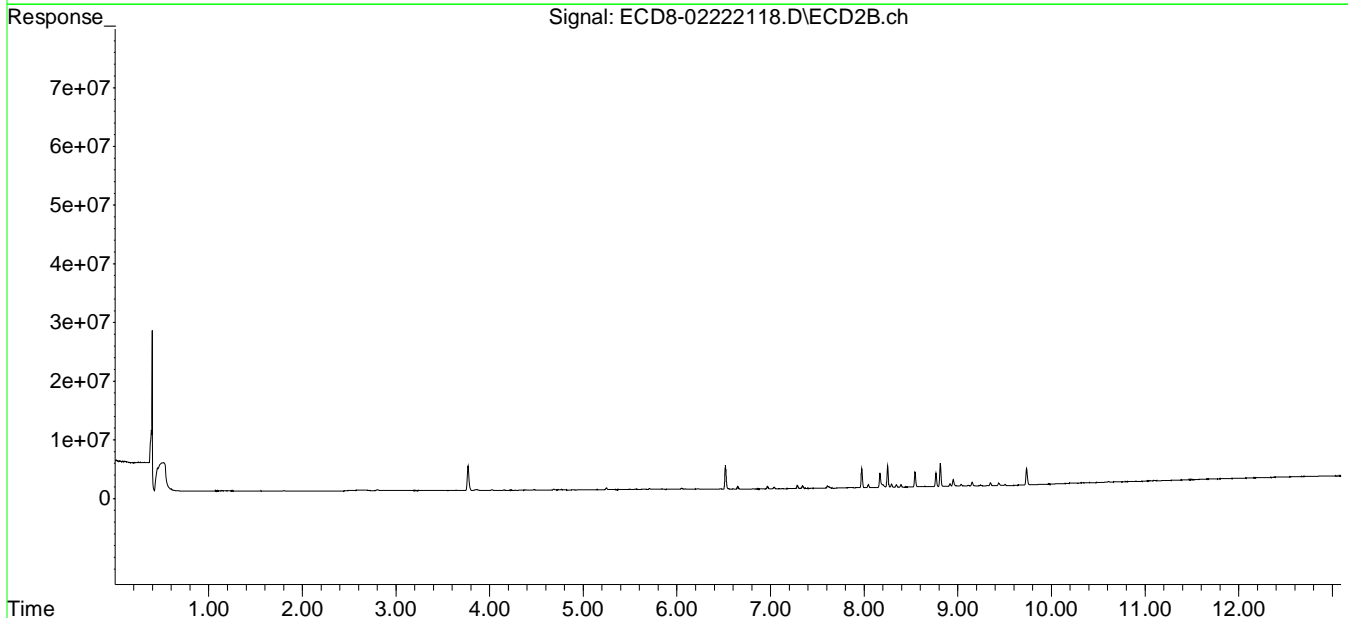
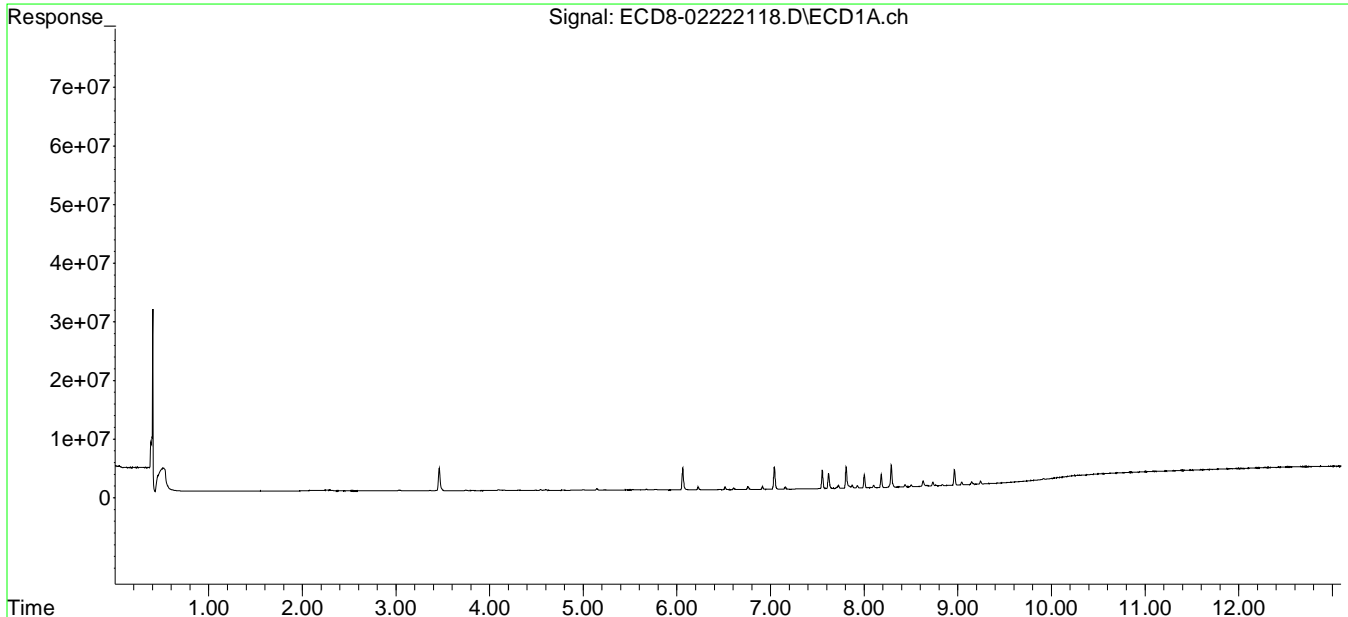
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.813	3845722	3967974	1.146	1.106
31)	Mirex	8.963	9.734	2639289	2872803	1.153	1.101
32)	Chlordane...	7.724	8.197	552223	504785	1.579	1.251
33)	Chlordane...	7.807	8.292	3695838	582593	10.632	1.727 #
34)	Chlordane...	8.385	8.950	13666	1205260	0.130	0.835 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.514	3695838	55558	253.716	1.753 #
37)	Toxaphene...	8.100	8.889	443434	54839	13.255	1.421 #
38)	Toxaphene...	8.435	8.916	412514	465594	7.147	8.061
39)	Toxaphene...	8.670	8.950f	131088	1205260	2.078	9.880 #
40)	Toxaphene...	8.881	9.153	7919	725788	0.167	9.676 #
41)	Toxaphene...	8.963	9.503f	2639289	212691	48.992	3.705 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222118.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 22:57  
Operator : MJB  
Sample : 1B22071-CALB  
Misc : A20I180, 9-42 1 ppb  
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:25:22 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:14  
 Operator : MJB  
 Sample : 1B22071-CALC  
 Misc : A20I181, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:25:39 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.678	6.050	15293	78055	0.005	0.023 #
22) S DCBP (S)	0.000	10.606	0	61933	N.D.	BelowCal
Target Compounds						
2) a-BHC	6.228	6.651	38584	48297	0.009	0.011
3) g-BHC	6.514	6.967	36982	40015	0.010	0.010
4) b-BHC	6.611	7.040	39500	46317	0.025	BelowCal #
5) Heptachlor	6.913	7.342	89139	105496	0.026	0.029
6) d-BHC	6.761	7.285	71675	94749	0.021	0.016
7) Aldrin	7.158	7.624	69359	359885	0.020	0.102 #
8) Heptachlo...	7.619	8.045	4402205	122784	1.396	0.037 #
9) trans-Chl...	7.706	8.168	208466	4399052	0.065	1.305 #
10) cis-Chlor...	7.807	8.291	6120372	193476	1.942	0.060 #
11) Endosulfa...	7.926	8.341	79797	114393	0.028	0.038 #
12) 4,4'-DDE	7.871	8.391	185941	121305	0.054	0.035 #
13) Dieldrin	8.100	8.542	79153	3880927	0.025	1.180 #
14) Endrin	8.288f	8.765	6425104	3803369	2.484	1.557 #
15) 4,4'-DDD	8.288	8.813	6425104	6554264	2.374	2.320
16) Endosulfa...	8.435	8.916	83681	158943	0.033	0.060 #
17) 4,4'-DDT	8.503	9.035	70366	140213	0.029	0.023
18) Endrin Al...	8.732	9.152	249959	305137	BelowCal	BelowCal
19) Endosulfa...	9.041	9.349	133922	208357	0.054	0.078 #
20) Methoxychlor	8.833	9.503	56519	73122	0.045	0.056
21) Endrin Ke...	9.242	9.732	127076	4436254	0.043	1.343 #
23) Hexachlor...	3.463	3.770	6957604	7585003	2.001	1.892
24) Hexachlor...	6.063	6.519	6425966	6651598	1.971	1.852
25) Oxychlorane	7.553	7.975	5309909	5464605	1.926	1.859
26) 2,4'-DDE	7.619	8.168	4402205	4399052	1.970	1.893
27) trans-Non...	7.807	8.251	6120372	6195556	1.926	1.842
28) 2,4'-DDD	8.001	8.542	3684063	3880927	1.944	1.907
29) 2,4'-DDT	8.181	8.765	3860272	3803369	1.914	1.807

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:14  
 Operator : MJB  
 Sample : 1B22071-CALC  
 Misc : A20I181, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

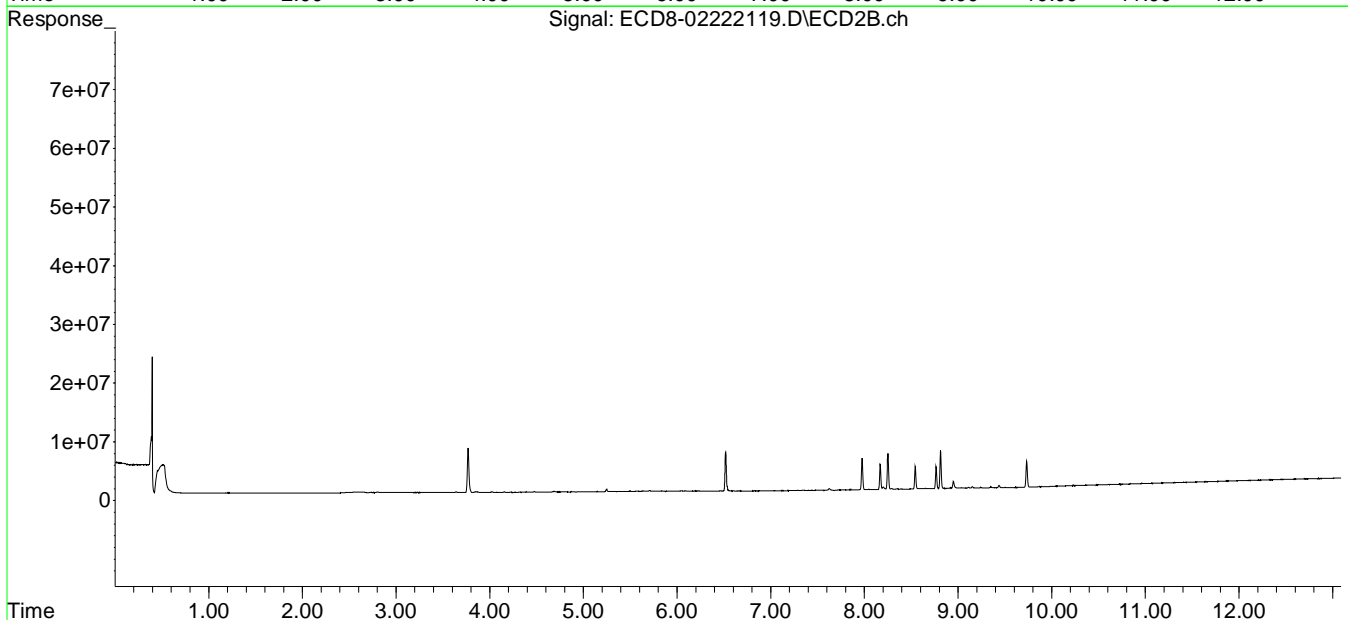
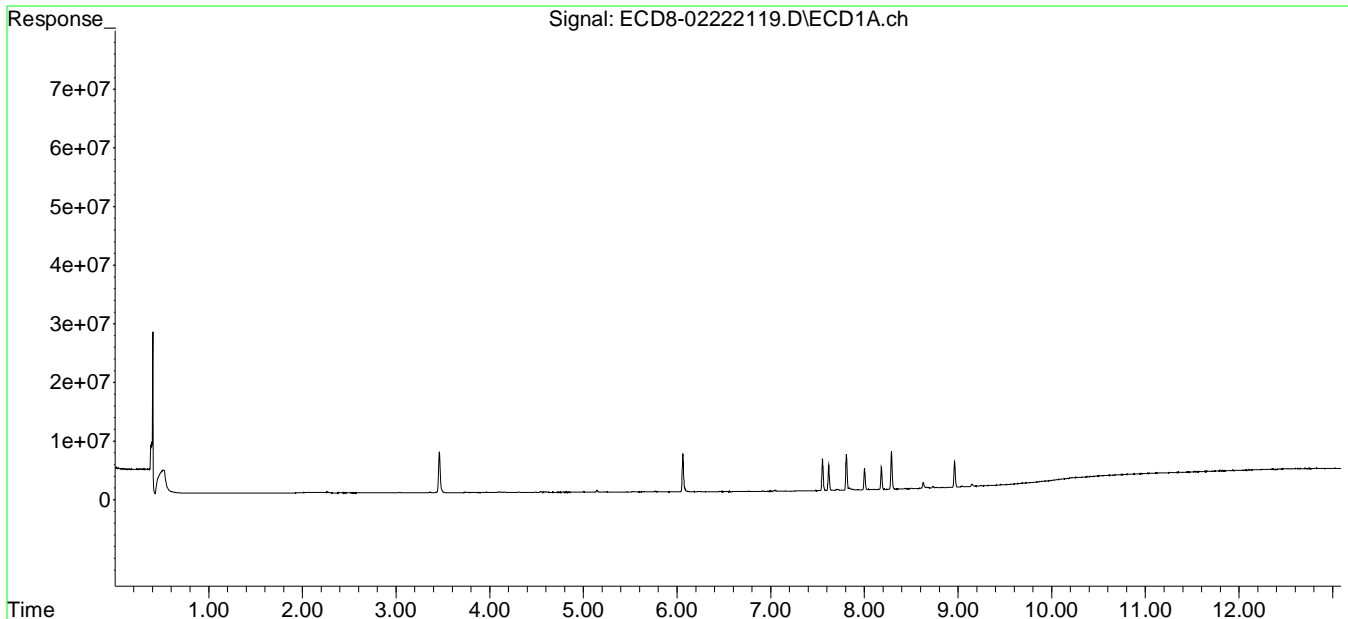
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:25:39 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.813	6425104	6554264	1.915	1.826
31)	Mirex	8.962	9.732	4332283	4436254	2.006	1.937
32)	Chlordane...	7.706	8.168	208466	4399052	0.596	10.899 #
33)	Chlordane...	7.807	8.291	6120372	193476	17.606	0.573 #
34)	Chlordane...	8.388	8.950	11507	1255270	0.109	1.356 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.512	6120372	66104	425.687	2.085 #
37)	Toxaphene...	8.100	8.870	79153	61407	1.905	1.591
38)	Toxaphene...	8.435	8.916	83681	158943	1.450	2.752 #
39)	Toxaphene...	8.669	8.950f	164390	1255270	2.606	10.450 #
40)	Toxaphene...	0.000	9.152	0	305137	N.D.	1.777 #
41)	Toxaphene...	8.962	9.503f	4332283	73122	80.419	1.274 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:14  
 Operator : MJB  
 Sample : 1B22071-CALC  
 Misc : A20I181, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:25:39 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222120.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:30  
 Operator : MJB  
 Sample : 1B22071-CALD  
 Misc : A20I182, 9-42 5 ppb  
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:25:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.646f	6.055	156466	100853	0.049	0.030 #
22) S	DCBP (S)	0.000	10.607	0	63583	N.D.	BelowCal
Target Compounds							
2)	a-BHC	6.227	6.651	71137	100487	0.017	0.022 #
3)	g-BHC	6.517	6.967	64259	93532	0.018	0.024 #
4)	b-BHC	6.602	7.037	79131	99019	0.051	BelowCal #
5)	Heptachlor	6.913	7.342	126041	158968	0.037	0.043
6)	d-BHC	6.753	7.285	87998	131876	0.026	0.026
7)	Aldrin	7.157	7.623	57996	331523	0.017	0.094 #
8)	Heptachlo...	7.616	8.042	11843817	102374	3.755	0.031 #
9)	trans-Chl...	7.704	8.167	190849	11430457	0.059	3.391 #
10)	cis-Chlor...	7.805	8.287	16834749	236720	5.341	0.073 #
11)	Endosulfa...	7.924	8.323	36526	93148	0.013	0.031 #
12)	4,4'-DDE	7.901f	8.390	58867	74468	0.017	0.021
13)	Dieldrin	8.073f	8.541	105715	10051036	0.033	3.056 #
14)	Endrin	8.286	8.764	17982284	10243436	6.951	4.173 #
15)	4,4'-DDD	8.286	8.811	17982284	17366122	6.644	6.147
16)	Endosulfa...	8.435	8.915	34149	115171	0.014	0.043 #
17)	4,4'-DDT	8.499	9.028	22459	104390	0.009	0.008
18)	Endrin Al...	8.729	9.152	219992	246754	BelowCal	BelowCal
19)	Endosulfa...	9.039	9.347	102353	132769	0.041	0.050
20)	Methoxychlor	8.831	9.502	15051	33546	0.012	0.025 #
21)	Endrin Ke...	9.243	9.732	63598	11183223	0.021	3.860 #
23)	Hexachlor...	3.462	3.769	16915994	18400186	4.866	4.590
24)	Hexachlor...	6.062	6.519	17228940	17607068	5.285	4.903
25)	Oxychlorane	7.550	7.973	14138970	14509986	5.127	4.935
26)	2,4'-DDE	7.616	8.167	11843817	11430457	5.299	4.917
27)	trans-Non...	7.805	8.249	16834749	16862415	5.297	5.014
28)	2,4'-DDD	7.998	8.541	10090183	10051036	5.325	5.150
29)	2,4'-DDT	8.179	8.764	10380223	10243436	5.147	4.868

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222120.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:30  
 Operator : MJB  
 Sample : 1B22071-CALD  
 Misc : A20I182, 9-42 5 ppb  
 ALS Vial : 17 Sample Multiplier: 1

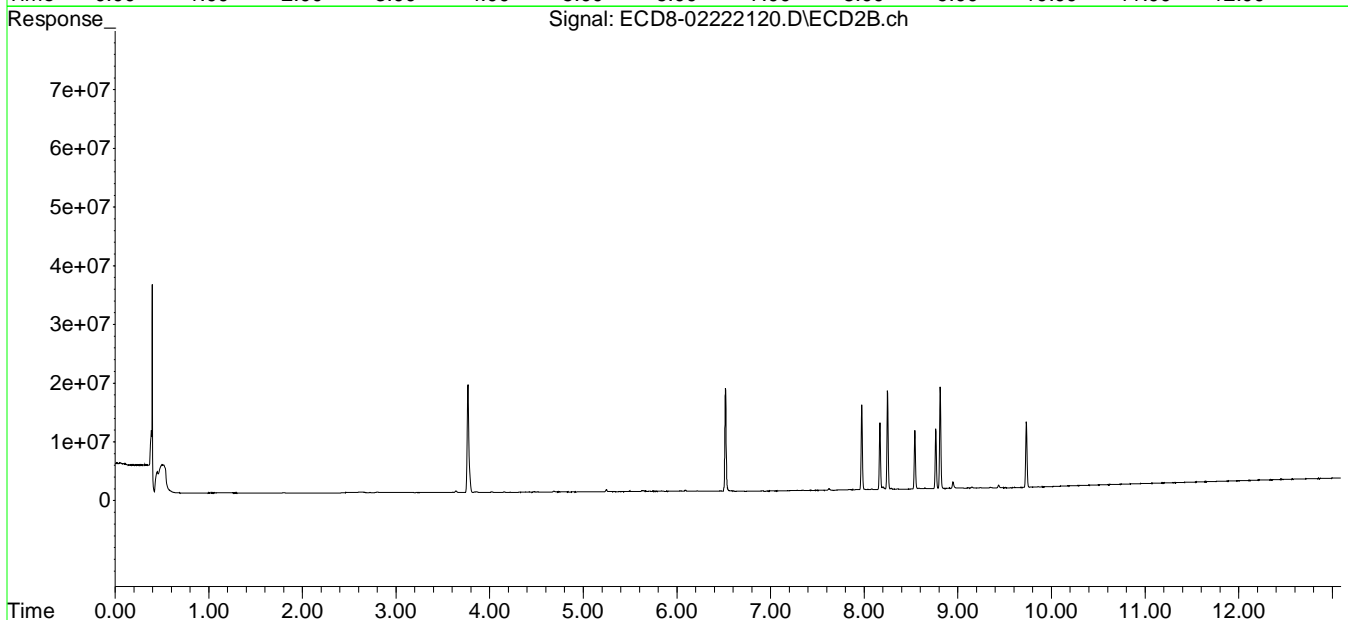
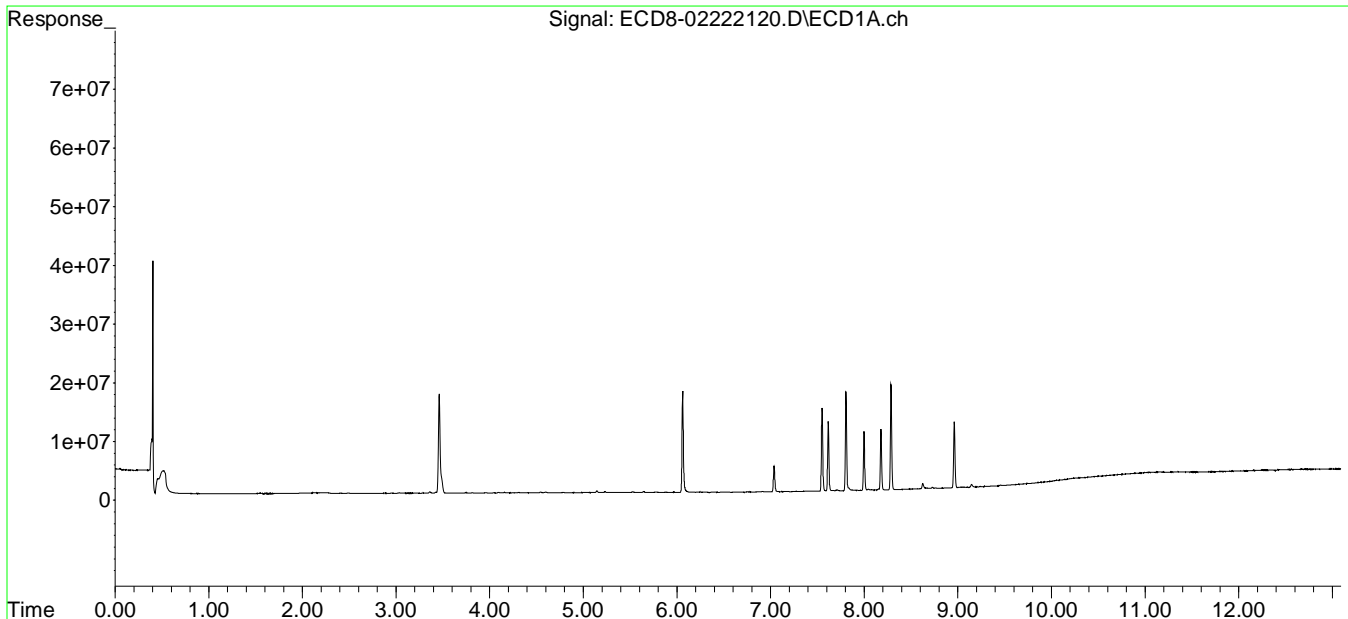
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:25:50 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.811	17982284	17366122	5.359	4.839
31)	Mirex	8.962	9.732	11264877	11183223	5.502	5.532
32)	Chlordane...	7.704	8.198	190849	495644	0.546	1.228 #
33)	Chlordane...	7.805	8.287	16834749	236720	48.429	0.702 #
34)	Chlordane...	8.346f	8.948	13722	1166121	0.130	0.427 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.805	8.510	16834749	66305	1241.306	2.092 #
37)	Toxaphene...	8.125f	0.000	26298	0	0.260	N.D. #
38)	Toxaphene...	8.435	8.915	34149	115171	0.592	1.994 #
39)	Toxaphene...	8.666	8.990	117496	119760	1.863	BelowCal #
40)	Toxaphene...	8.871f	9.152	11208	246754	0.236	0.680 #
41)	Toxaphene...	8.962	9.516	11264877	23260	209.107	0.405 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222120.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 23:30  
Operator : MJB  
Sample : 1B22071-CALD  
Misc : A20I182, 9-42 5 ppb  
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:25:50 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222121.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:46  
 Operator : MJB  
 Sample : 1B22071-CALE  
 Misc : A20I183, 9-42 10 ppb  
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:04 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.675	6.041	6553	45976	0.002	0.014 #
22) S	DCBP (S)	9.907	10.611	295439	58144	1931.191	BelowCal #
Target Compounds							
2)	a-BHC	6.227	6.648	46167	39659	0.011	0.009
3)	g-BHC	6.514	6.969	26157	33862	0.007	0.009
4)	b-BHC	6.608	7.039	27490	39459	0.018	BelowCal #
5)	Heptachlor	6.913	7.342	110841	141928	0.032	0.038
6)	d-BHC	6.758	7.286	74260	95467	0.022	0.016 #
7)	Aldrin	7.160	7.624	42654	183903	0.012	0.052 #
8)	Heptachlo...	7.617	8.042	20728712	113641	6.573	0.034 #
9)	trans-Chl...	7.721	8.168	107444	20666712	0.033	6.130 #
10)	cis-Chlor...	7.806	8.287	29798426	361060	9.453	0.111 #
11)	Endosulfa...	7.920	8.362f	50953	105401	0.018	0.035 #
12)	4,4'-DDE	7.904f	8.391	64780	78331	0.019	0.022
13)	Dieldrin	8.074f	8.541	150000	17551974	0.047	5.336 #
14)	Endrin	8.287	8.764	30557167	17969327	11.812	7.283 #
15)	4,4'-DDD	8.287	8.811	30557167	31198771	11.290	11.042
16)	Endosulfa...	8.436	8.914	39248	106639	0.016	0.040 #
17)	4,4'-DDT	8.501	9.032	39030	102053	0.016	0.007 #
18)	Endrin Al...	8.729	9.152	186363	211613	BelowCal	BelowCal
19)	Endosulfa...	9.040	9.348	79265	111612	0.032	0.042 #
20)	Methoxychlor	8.833	9.505	22822	29975	0.018	0.023
21)	Endrin Ke...	9.242	9.731	51737	17589722	0.017	6.231 #
23)	Hexachlor...	3.463	3.770	33815879	38223828	9.727	9.534
24)	Hexachlor...	6.062	6.518	30466143	32152783	9.345	8.954
25)	Oxychlorane	7.551	7.973	25965576	26262955	9.416	8.933
26)	2,4'-DDE	7.617	8.168	20728712	20666712	9.275	8.891
27)	trans-Non...	7.806	8.249	29798426	29960662	9.375	8.908
28)	2,4'-DDD	7.999	8.541	17287796	17551974	9.124	9.070
29)	2,4'-DDT	8.180	8.764	18647054	17969327	9.245	8.540

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222121.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:46  
 Operator : MJB  
 Sample : 1B22071-CALE  
 Misc : A20I183, 9-42 10 ppb  
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:04 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.811	30557167	31198771	9.106	8.693
31)	Mirex	8.961	9.731	18015848	17589722	8.907	8.926
32)	Chlordane...	7.721	8.168	107444	20666712	0.307	51.206 #
33)	Chlordane...	7.806	8.287	29798426	361060	85.721	1.070 #
34)	Chlordane...	8.384	8.949	9697	1262515	0.092	1.431 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.806	8.541f	29798426	17551974	2397.104	553.719 #
37)	Toxaphene...	8.074f	0.000	150000	0	4.111	N.D. #
38)	Toxaphene...	8.417	8.914	7196	106639	0.125	1.846 #
39)	Toxaphene...	8.668	8.949f	131928	1262515	2.091	10.532 #
40)	Toxaphene...	8.896	9.152	13539	211613	0.285	0.020 #
41)	Toxaphene...	8.961	9.524	18015848	14471	334.423	0.252 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

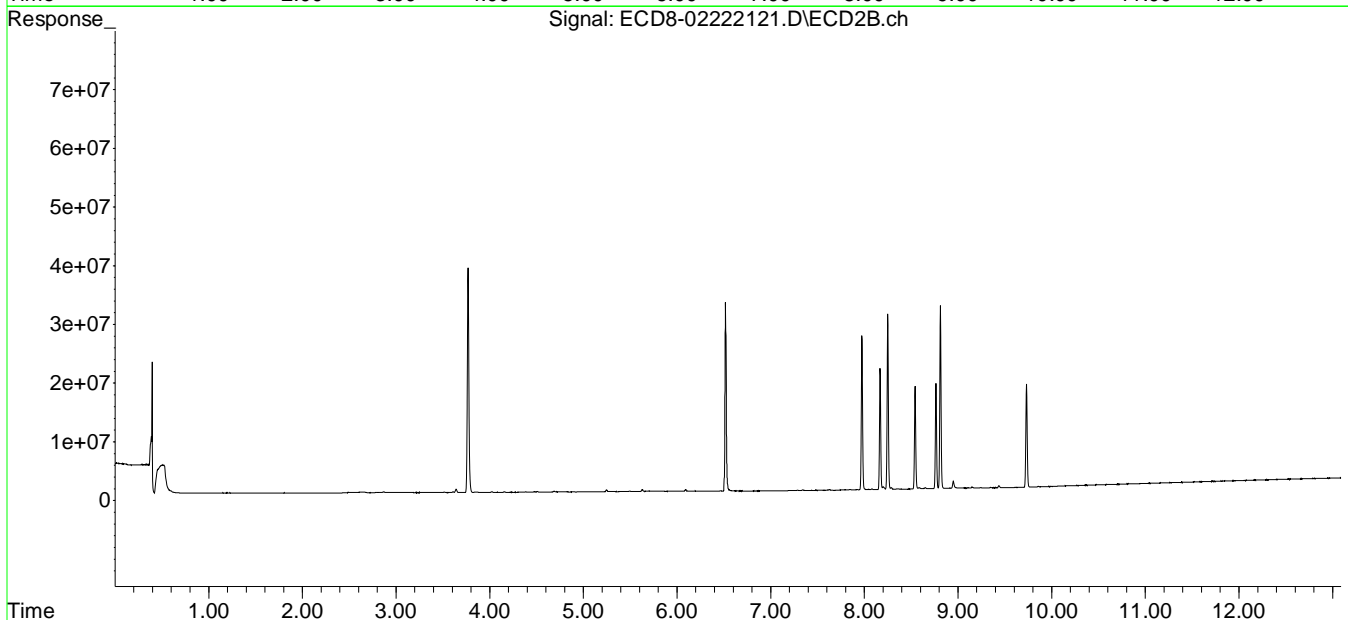
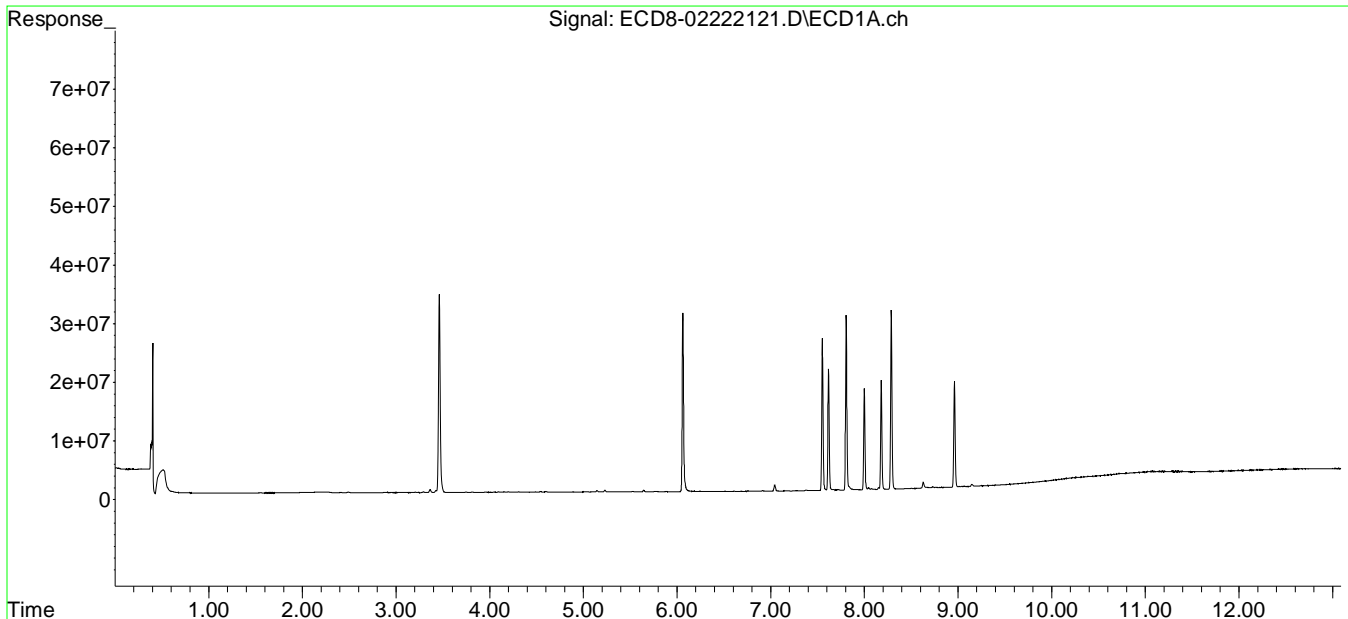
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222121.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 23:46  
Operator : MJB  
Sample : 1B22071-CALE  
Misc : A20I183, 9-42 10 ppb  
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:26:04 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222122.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:02  
 Operator : MJB  
 Sample : 1B22071-CALF  
 Misc : A20I184, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:16 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.040	14937	64198	0.005	0.019 #
22) S	DCBP (S)	9.902	10.609	266510	59723	1931.205	BelowCal #
Target Compounds							
2)	a-BHC	6.227	6.650	46049	43007	0.011	0.009
3)	g-BHC	6.514	6.965	20761	12811	0.006	0.003 #
4)	b-BHC	6.605	7.039	25382	23729	0.016	BelowCal #
5)	Heptachlor	6.914	7.342	245168	231107	0.071	0.063
6)	d-BHC	6.755	7.284	58960	50804	0.017	0.004 #
7)	Aldrin	7.119f	7.625	49611	358416	0.014	0.102 #
8)	Heptachlo...	7.618	8.043	53237868	155391	16.881	0.047 #
9)	trans-Chl...	7.707	8.168	212086	55999217	0.066	16.611 #
10)	cis-Chlor...	7.807	8.287	76125922	657678	24.150	0.203 #
11)	Endosulfa...	7.908	8.363f	112534	161541	0.039	0.054 #
12)	4,4'-DDE	0.000	8.389	0	59514	N.D.	0.017 #
13)	Dieldrin	8.077	8.543	385674	48638614	0.122	14.787 #
14)	Endrin	8.289f	8.767	82853835	50736802	32.027	20.157 #
15)	4,4'-DDD	8.289	8.815	82853835	87229388	30.613	30.874
16)	Endosulfa...	8.440	8.919	41400	105349	0.016	0.039 #
17)	4,4'-DDT	8.506	9.030	52078	116053	0.021	0.013 #
18)	Endrin Al...	8.735	9.156	183776	211575	BelowCal	BelowCal
19)	Endosulfa...	9.044	9.351	90120	106146	0.036	0.040
20)	Methoxychlor	8.823	9.492	26576	28393	0.021	0.022
21)	Endrin Ke...	9.248	9.735	41829	49375718	0.014	17.753 #
23)	Hexachlor...	3.461	3.769	81425185	93923754	23.423	23.427
24)	Hexachlor...	6.062	6.520	78397083	85289633	24.047	23.751
25)	Oxychlorthane	7.552	7.975	65632206	69820741	23.801	23.749
26)	2,4'-DDE	7.618	8.168	53237868	55999217	23.821	24.091
27)	trans-Non...	7.807	8.250	76125922	81304083	23.951	24.175
28)	2,4'-DDD	8.001	8.543	44965047	48638614	23.730	25.061
29)	2,4'-DDT	8.182	8.767	48311296	50736802	23.953	24.112

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222122.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:02  
 Operator : MJB  
 Sample : 1B22071-CALF  
 Misc : A20I184, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

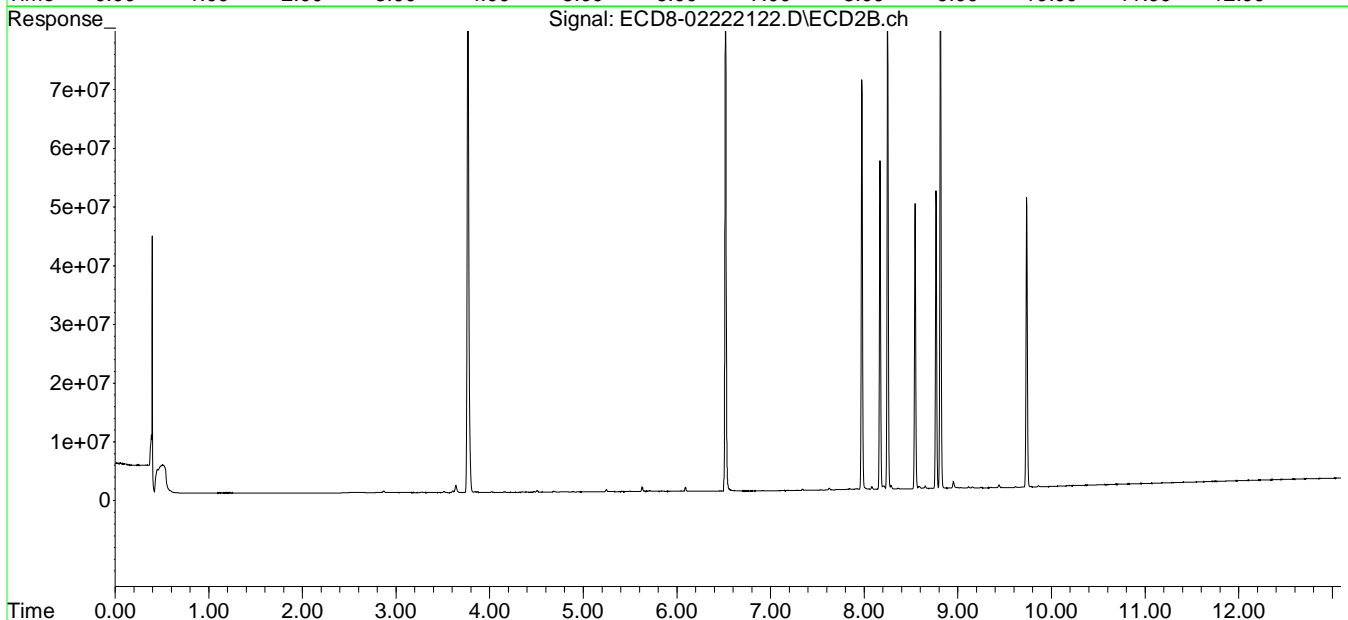
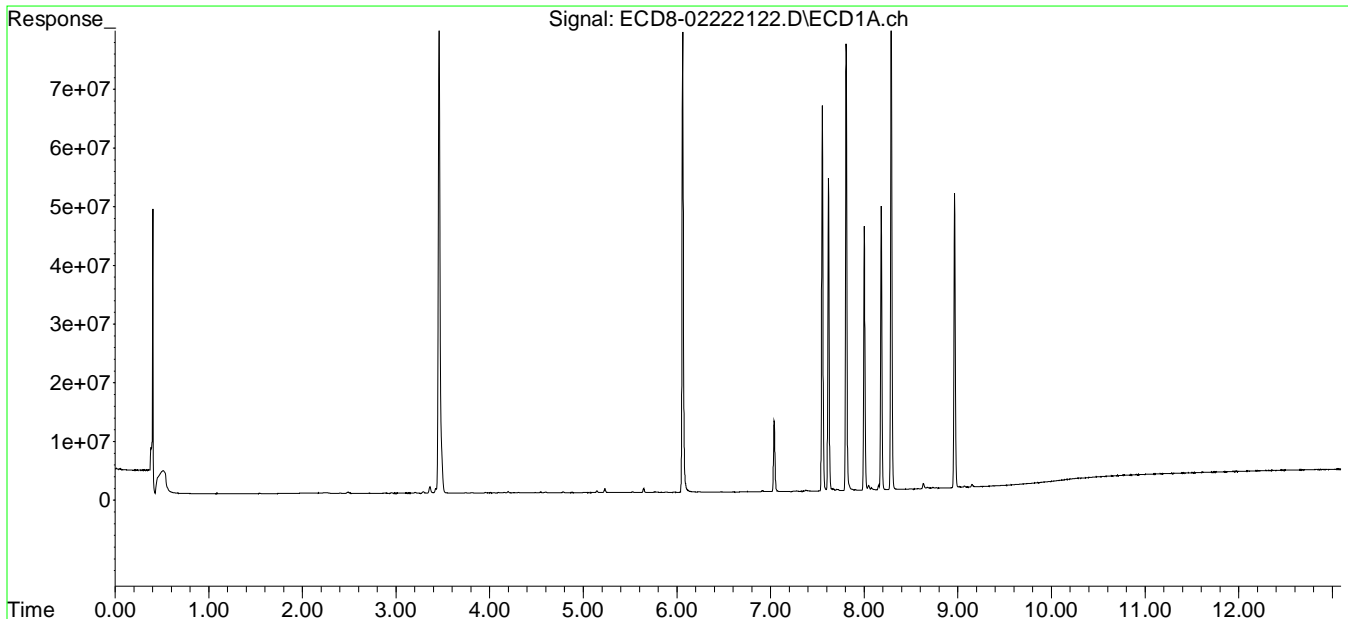
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:16 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.815	82853835	87229388	24.691	24.304
31)	Mirex	8.965	9.735	50147847	49375718	25.128	25.502
32)	Chlordane...	7.707	8.168	212086	55999217	0.606	138.748 #
33)	Chlordane...	7.807	8.287	76125922	657678	218.991	1.949 #
34)	Chlordane...	8.387	8.953	15873	1149560	0.150	0.255 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.514	76125922	45974	BelowCal	1.450
37)	Toxaphene...	8.077f	0.000	385674	0	11.454	N.D. #
38)	Toxaphene...	8.409	8.919	16143	105349	0.280	1.824 #
39)	Toxaphene...	8.674	8.989	222077	141591	3.521	BelowCal #
40)	Toxaphene...	8.898	9.156	10587	211575	0.223	0.019 #
41)	Toxaphene...	8.965	9.532	50147847	20308	930.881	0.354 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222122.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:02  
 Operator : MJB  
 Sample : 1B22071-CALF  
 Misc : A20I184, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:16 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222123.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:18  
 Operator : MJB  
 Sample : 1B22071-CALG  
 Misc : A21A187, 9-42 50 ppb  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.645f	6.040	1313771	67929	0.410	0.020 #
22) S DCBP (S)	0.000	10.605	0	56337	N.D.	BelowCal
Target Compounds						
2) a-BHC	6.230	6.650	46693	61661	0.011	0.014
3) g-BHC	6.513	6.968	19885	7859	0.005	0.002 #
4) b-BHC	6.603	7.039	20838	34055	0.013	BelowCal #
5) Heptachlor	6.913	7.341	395889	414181	0.115	0.112
6) d-BHC	6.754	7.281	35954	52783	0.011	0.004 #
7) Aldrin	7.158	7.626f	43581	122035	0.013	0.035 #
8) Heptachlo...	7.615	8.040	105.3E6	198541	33.398	0.060 #
9) trans-Chl...	7.720	8.166	252812	114.2E6	0.078	33.869 #
10) cis-Chlor...	7.804	8.285	150.2E6	1159268	47.634	0.358 #
11) Endosulfa...	7.904	8.359	171395	237568	0.059	0.079 #
12) 4,4'-DDE	7.904f	8.392	171395	109408	0.050	0.031 #
13) Dieldrin	8.110	8.541	126781	94914438	0.040	28.856 #
14) Endrin	8.286	8.765	155.8E6	105.0E6	60.236	40.475 #
15) 4,4'-DDD	8.286	8.812	155.8E6	169.9E6	57.576	60.149
16) Endosulfa...	8.439	8.912	61717	135635	0.025	0.051 #
17) 4,4'-DDT	8.504	9.028	71233	172518	0.029	0.037 #
18) Endrin Al...	8.730	9.157	179774	238332	BelowCal	BelowCal
19) Endosulfa...	9.043	9.350	79009	79674	0.032	0.030
20) Methoxychlor	8.815	9.514	130631	18356	0.104	0.014 #
21) Endrin Ke...	9.244	9.732	30467	90706286	0.010	32.173 #
23) Hexachlor...	3.464	3.770	169.8E6	203.8E6	48.831	50.846
24) Hexachlor...	6.062	6.519	155.2E6	178.4E6	47.608	49.672
25) Oxychlorane	7.550	7.973	129.8E6	140.5E6	47.076	47.797
26) 2,4'-DDE	7.615	8.166	105.3E6	114.2E6	47.129	49.121
27) trans-Non...	7.804	8.248	150.2E6	160.3E6	47.241	47.659
28) 2,4'-DDD	7.998	8.541	87544358	94914438	46.201	48.155
29) 2,4'-DDT	8.179	8.765	100.5E6	105.0E6	49.808	49.918

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222123.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:18  
 Operator : MJB  
 Sample : 1B22071-CALG  
 Misc : A21A187, 9-42 50 ppb  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

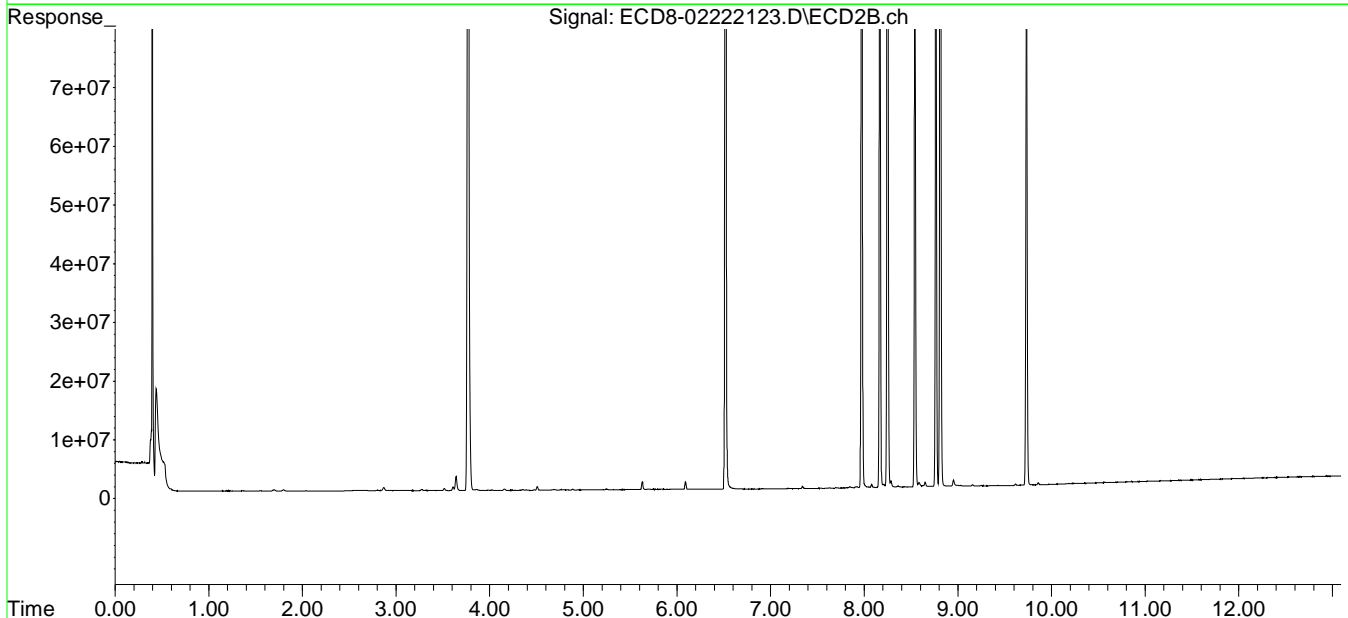
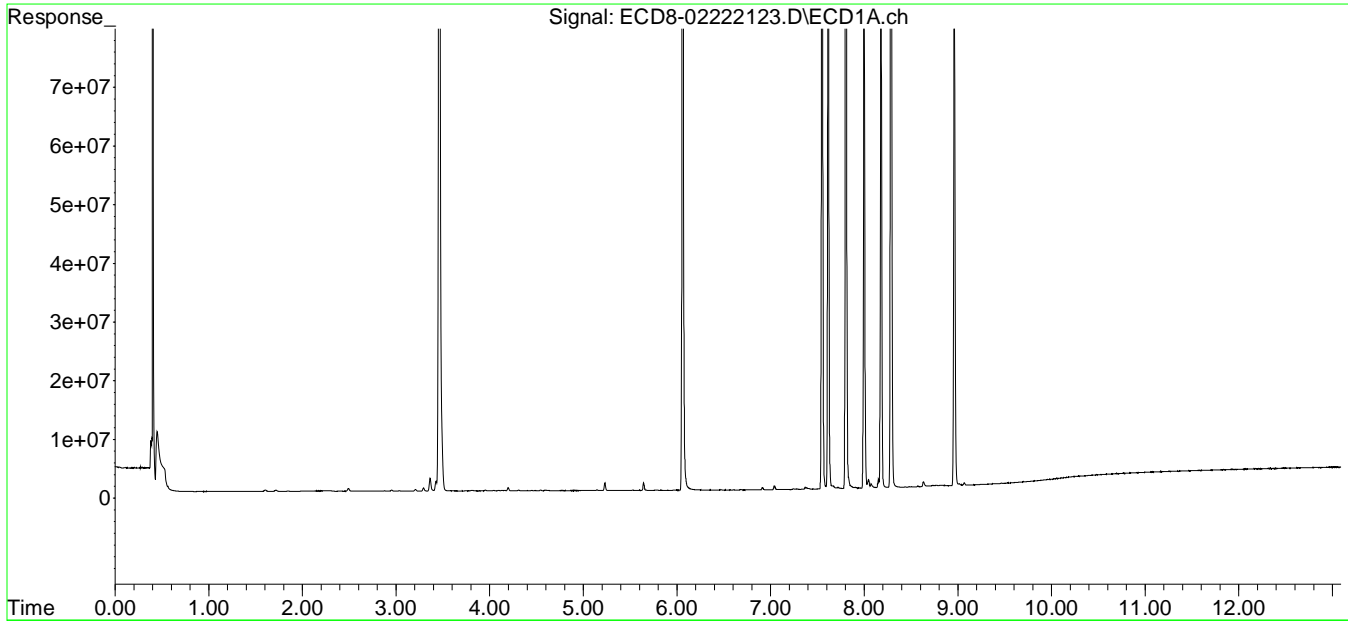
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.812	155.8E6	169.9E6	46.439	47.351
31)	Mirex	8.962	9.732	89981809	90706286	45.272	46.437
32)	Chlordane...	7.720	8.166	252812	114.2E6	0.723	282.898 #
33)	Chlordane...	7.804	8.285	150.2E6	1159268	431.940	3.436 #
34)	Chlordane...	8.403f	8.953	33182	1119268	0.315	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.804	8.509	150.2E6	62945	BelowCal	1.986
37)	Toxaphene...	8.110	0.000	126781	0	3.388	N.D. #
38)	Toxaphene...	8.439	8.912	61717	135635	1.069	2.348 #
39)	Toxaphene...	8.632f	8.953	844535	1119268	13.388	8.902 #
40)	Toxaphene...	8.903	9.157	9981	238332	0.210	0.522 #
41)	Toxaphene...	8.962	9.524	89981809	17183	1670.308	0.299 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222123.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 00:18  
Operator : MJB  
Sample : 1B22071-CALG  
Misc : A21A187, 9-42 50 ppb  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:26:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222124.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:35  
 Operator : MJB  
 Sample : 1B22071-CALH  
 Misc : A21A188, 9-42 100 ppb  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:37 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.646f	6.041	2330433	65342	0.727	0.019 #
22) S	DCBP (S)	9.931f	10.605	282544	45396	1931.197	BelowCal #
Target Compounds							
2)	a-BHC	6.228	6.649	97641	87438	0.023	0.019
3)	g-BHC	6.510	6.966	28193	14897	0.008	0.004 #
4)	b-BHC	6.599	7.033	37458	60862	0.024	BelowCal #
5)	Heptachlor	6.913	7.341	732438	741214	0.214	0.201
6)	d-BHC	6.749	7.279	62853	72346	0.019	0.010 #
7)	Aldrin	7.156	7.602	49690	63670	0.014	0.018 #
8)	Heptachlo...	7.615	8.040	214.7E6	324828	68.087	0.098 #
9)	trans-Chl...	7.720	8.166	489081	244.1E6	0.152	72.407 #
10)	cis-Chlor...	7.804	8.285	312.0E6	2047223	98.969	0.631 #
11)	Endosulfa...	7.905	8.357	374709	423067	0.129	0.141
12)	4,4'-DDE	7.905f	8.398	374709	212636	0.109	0.061 #
13)	Dieldrin	8.109	8.541	279647	210.1E6	0.088	63.880 #
14)	Endrin	8.286	8.765	328.5E6	225.0E6	126.992	81.707 #
15)	4,4'-DDD	8.286	8.812	328.5E6	380.3E6	121.383	134.611
16)	Endosulfa...	8.438	8.915	135851	208874	0.054	0.078 #
17)	4,4'-DDT	8.504	9.027	149301	299172	0.061	0.092 #
18)	Endrin Al...	8.730	9.158	293165	369984	BelowCal	BelowCal
19)	Endosulfa...	9.043	9.350	122101	66566	0.049	0.025 #
20)	Methoxychlor	8.808	9.507	190662	20836	0.152	0.016 #
21)	Endrin Ke...	9.245	9.732	43389	208.7E6	0.015	70.446 #
23)	Hexachlor...	3.463	3.770	310.9E6	386.1E6	89.423	96.299
24)	Hexachlor...	6.063	6.519	315.7E6	365.0E6	96.837	101.656
25)	Oxychlorane	7.550	7.973	264.0E6	300.6E6	95.736	102.239
26)	2,4'-DDE	7.615	8.166	214.7E6	244.1E6	96.079	105.011
27)	trans-Non...	7.804	8.249	312.0E6	345.8E6	98.152	102.818
28)	2,4'-DDD	7.998	8.541	181.0E6	210.1E6	95.543	102.432
29)	2,4'-DDT	8.179	8.765	207.7E6	225.0E6	102.998	106.914



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222124.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:35  
 Operator : MJB  
 Sample : 1B22071-CALH  
 Misc : A21A188, 9-42 100 ppb  
 ALS Vial : 21 Sample Multiplier: 1

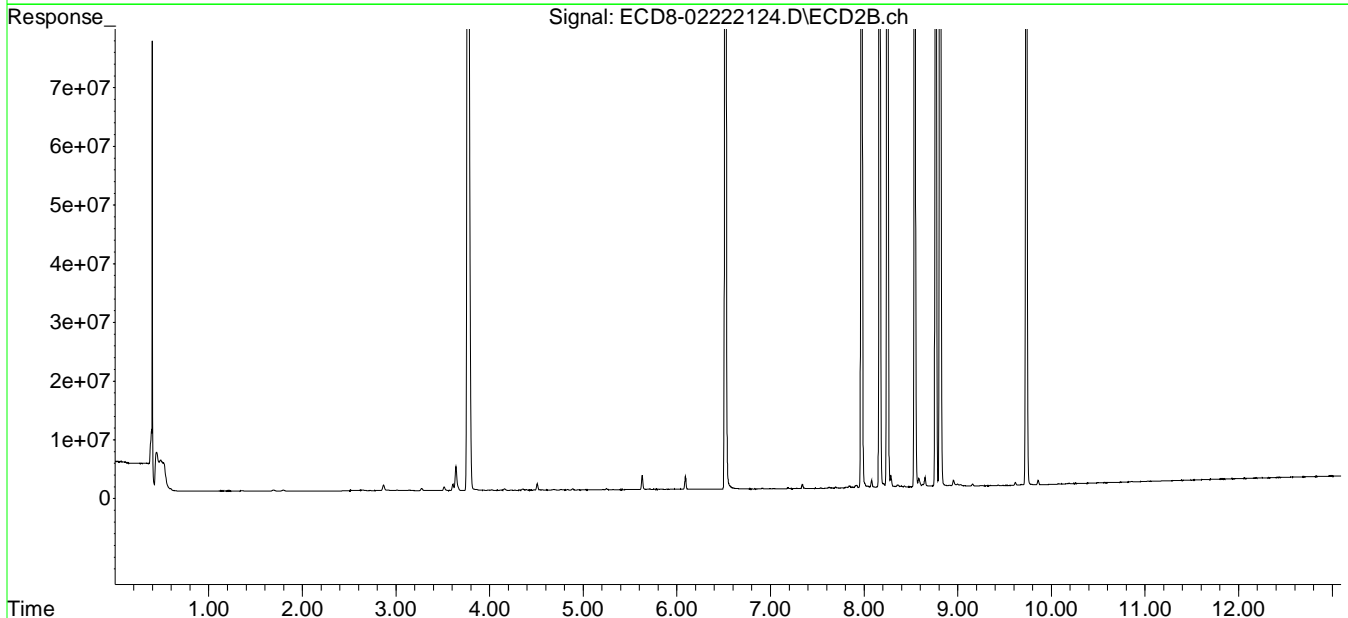
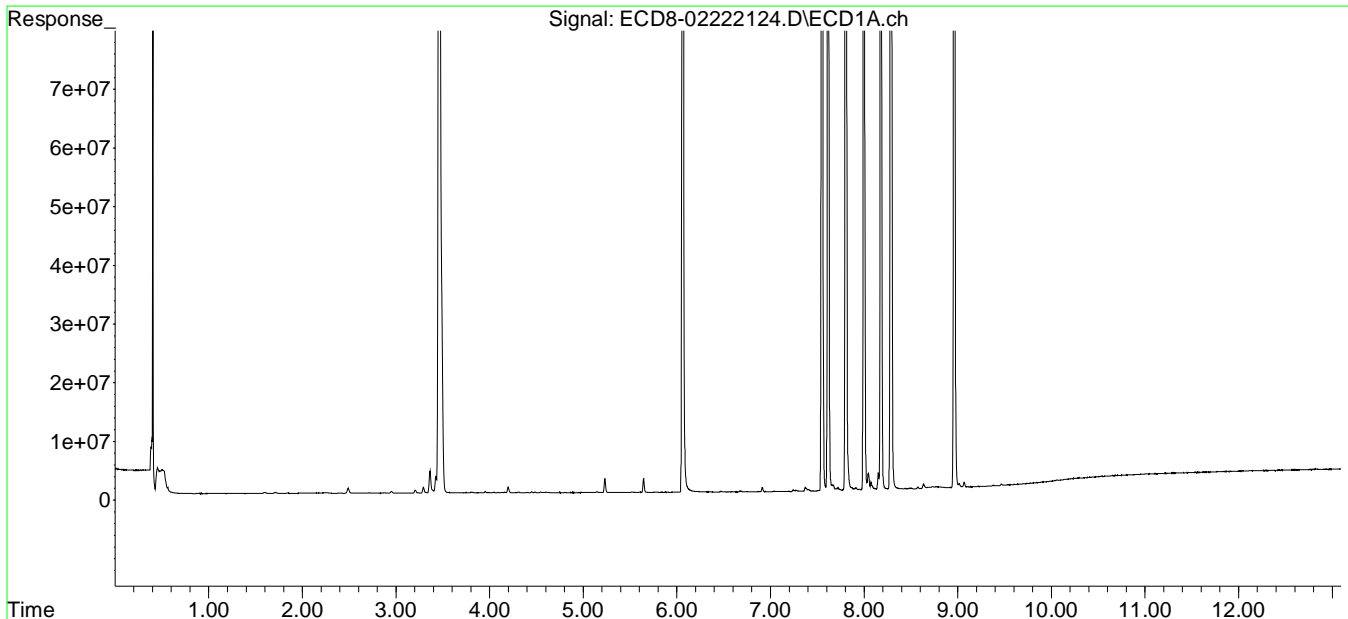
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:37 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.812	328.5E6	380.3E6	97.903	105.968
31)	Mirex	8.962	9.732	197.0E6	208.7E6	99.559	102.890
32)	Chlordane...	7.720	8.166	489081	244.1E6	1.398	604.787 #
33)	Chlordane...	7.804	8.285	312.0E6	2047223	897.434	6.068 #
34)	Chlordane...	0.000	8.953	0	1066144	N.D.	BelowCal
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.804	8.541f	312.0E6	210.1E6	BelowCal	6628.523
37)	Toxaphene...	8.109	0.000	279647	0	8.149	N.D. #
38)	Toxaphene...	8.438	8.915	135851	208874	2.354	3.616 #
39)	Toxaphene...	8.685f	8.953	181991	1066144	2.885	8.297 #
40)	Toxaphene...	8.923f	9.158	26766	369984	0.563	2.995 #
41)	Toxaphene...	8.962	9.532	197.0E6	14274	3656.173	0.249 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222124.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 00:35  
Operator : MJB  
Sample : 1B22071-CALH  
Misc : A21A188, 9-42 100 ppb  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:26:37 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:51  
 Operator : MJB  
 Sample : 1B22071-CALI  
 Misc : A20I179, 9-42 200 ppb  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:48 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.645f	6.042	4513046	84682	1.408	0.025 #
22) S	DCBP (S)	0.000	10.603	0	59079	N.D.	BelowCal
Target Compounds							
2)	a-BHC	6.228	6.650	239187	214148	0.056	0.047
3)	g-BHC	6.513	6.967	82365	53748	0.023	0.014 #
4)	b-BHC	6.596	7.033	104256	133352	0.067	BelowCal #
5)	Heptachlor	6.913	7.341	1368323	1374830	0.399	0.373
6)	d-BHC	6.746	7.280	139467	143584	0.041	0.030 #
7)	Aldrin	7.157	7.623	95364	213450	0.028	0.061 #
8)	Heptachlo...	7.614	8.040	420.3E6	470178	133.276	0.142 #
9)	trans-Chl...	7.720	8.167	876232	499.4E6	0.272	148.126 #
10)	cis-Chlor...	7.804	8.285	611.7E6	3291543	194.053	1.015 #
11)	Endosulfa...	7.914	8.359	988410	644528	0.341	0.214 #
12)	4,4'-DDE	7.866	8.400	574044	795205	0.167	0.226 #
13)	Dieldrin	8.109	8.541	528658	439.5E6	0.167	133.631 #
14)	Endrin	8.286	8.765	692.4E6	481.6E6	267.649	158.084 #
15)	4,4'-DDD	8.286	8.813	692.4E6	806.0E6	255.828	285.268
16)	Endosulfa...	8.438	8.915	259837	337268	0.103	0.126
17)	4,4'-DDT	8.501	9.027	319358	514102	0.130	0.184 #
18)	Endrin Al...	8.728	9.158	531320	656568	BelowCal	BelowCal
19)	Endosulfa...	9.039	9.348	146465	81875	0.059	0.031 #
20)	Methoxychlor	8.806f	9.507	374702	34573	0.300	0.026 #
21)	Endrin Ke...	9.242	9.732	65784	435.2E6	0.022	134.979 #
23)	Hexachlor...	3.463	3.770	687.1E6	868.0E6	197.657	216.495
24)	Hexachlor...	6.063	6.520	663.1E6	794.5E6	203.384	221.247
25)	Oxychlorane	7.550	7.973	553.4E6	635.4E6	200.705	216.110
26)	2,4'-DDE	7.614	8.167	420.3E6	499.4E6	188.068	214.826
27)	trans-Non...	7.804	8.249	611.7E6	730.1E6	192.453	217.075
28)	2,4'-DDD	7.997	8.541	369.8E6	439.5E6	195.185	199.860
29)	2,4'-DDT	8.179	8.765	426.9E6	481.6E6	211.644	228.862

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:51  
 Operator : MJB  
 Sample : 1B22071-CALI  
 Misc : A20I179, 9-42 200 ppb  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:26:48 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

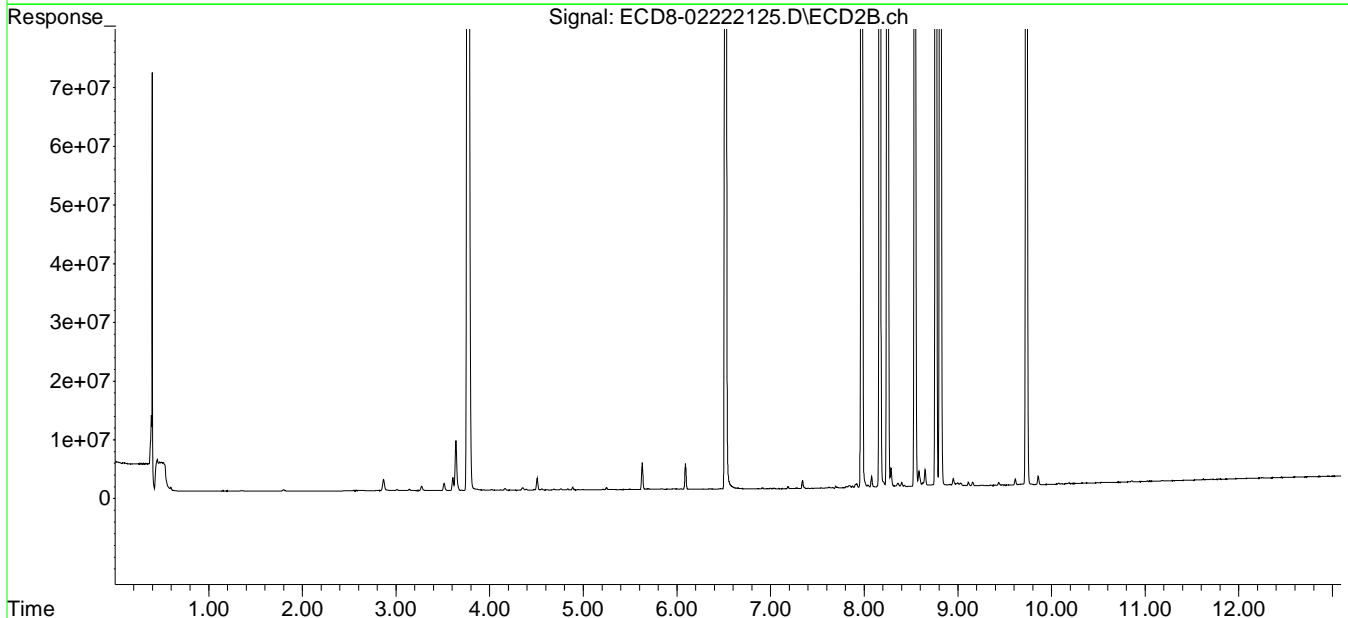
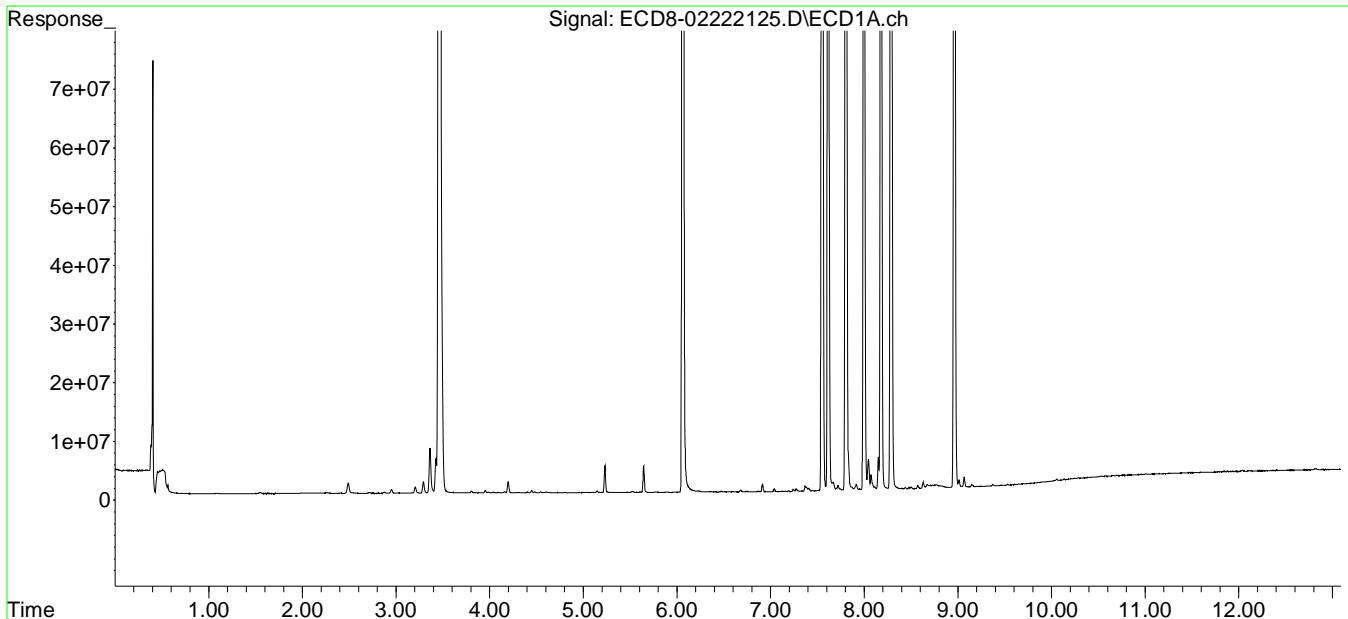
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.813	692.4E6	806.0E6	206.341	224.568
31)	Mirex	8.962	9.732	404.4E6	435.2E6	205.593	200.374
32)	Chlordane...	7.720	8.167	876232	499.4E6	2.505	1237.238 #
33)	Chlordane...	7.804	8.285	611.7E6	3291543	1759.649	9.756 #
34)	Chlordane...	8.400	8.950	112359	1298622	1.065	1.807 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.804	8.541f	611.7E6	439.5E6	BelowCal	13866.312
37)	Toxaphene...	8.109	0.000	528658	0	15.913	N.D. #
38)	Toxaphene...	8.438	8.915	259837	337268	4.502	5.839 #
39)	Toxaphene...	8.672	8.950f	674186	1298622	10.688	10.943
40)	Toxaphene...	0.000	9.158	0	656568	N.D.	8.377 #
41)	Toxaphene...	8.962	9.530	404.4E6	29882	7506.196	0.521 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222125.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 00:51  
Operator : MJB  
Sample : 1B22071-CALI  
Misc : A20I179, 9-42 200 ppb  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:26:48 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222129.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:56  
 Operator : MJB  
 Sample : 1B22071-CALK  
 Misc : A20L139, CHLOR 50 ppb  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.053	109622	143394	0.034	0.042
22) S DCBP (S)	9.914	10.608	401114	136444	1931.139	BelowCal #
Target Compounds						
2) a-BHC	6.227	6.650	396378	390152	0.093	0.086
3) g-BHC	6.515	6.967	408888	466993	0.113	0.120
4) b-BHC	6.587	7.038	19669	291430	0.013	BelowCal #
5) Heptachlor	6.913	7.340	8326297	8363049	2.428	2.268
6) d-BHC	6.734	7.285	296775	505699	0.088	0.130 #
7) Aldrin	7.157	7.606	325083	408551	0.095	0.116
8) Heptachlo...	7.633	8.043	1568578	613164	0.497	0.185 #
9) trans-Chl...	7.724	8.184	17851422	19070415	5.541	5.657
10) cis-Chlor...	7.820	8.291	18023843	16283719	5.718	5.022
11) Endosulfa...	7.928	8.342	450544	587981	0.155	0.195 #
12) 4,4'-DDE	7.875	8.391	714405	859651	0.207	0.245
13) Dieldrin	8.113	8.544	614129	1549341	0.194	0.471 #
14) Endrin	8.288f	8.767	3086659	777180	1.193	0.321 #
15) 4,4'-DDD	8.288	8.813	3086659	3545908	1.140	1.255
16) Endosulfa...	8.434	8.914	606221	705247	0.241	0.264
17) 4,4'-DDT	8.503	9.032	321439	695849	0.131	0.262 #
18) Endrin Al...	8.734	9.153	469773	635127	BelowCal	BelowCal
19) Endosulfa...	9.039	9.348	548151	470418	0.219	0.176
20) Methoxychlor	8.838	9.504	207638	224788	0.166	0.171
21) Endrin Ke...	9.243	9.742	473178	736020	0.159	BelowCal #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	6.035f	6.518	21280	28096	0.007	0.008
25) Oxychlorane	7.583f	7.989	3563529	322450	1.292	0.110 #
26) 2,4'-DDE	7.633	8.158	1568578	522524	0.702	0.225 #
27) trans-Non...	7.820	8.250	18023843	13983323	5.671	4.158 #
28) 2,4'-DDD	8.005	8.544	448483	1549341	0.237	0.677 #
29) 2,4'-DDT	8.160	8.767	946667	777180	0.469	0.369

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222129.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:56  
 Operator : MJB  
 Sample : 1B22071-CALK  
 Misc : A20L139, CHLOR 50 ppb  
 ALS Vial : 25 Sample Multiplier: 1

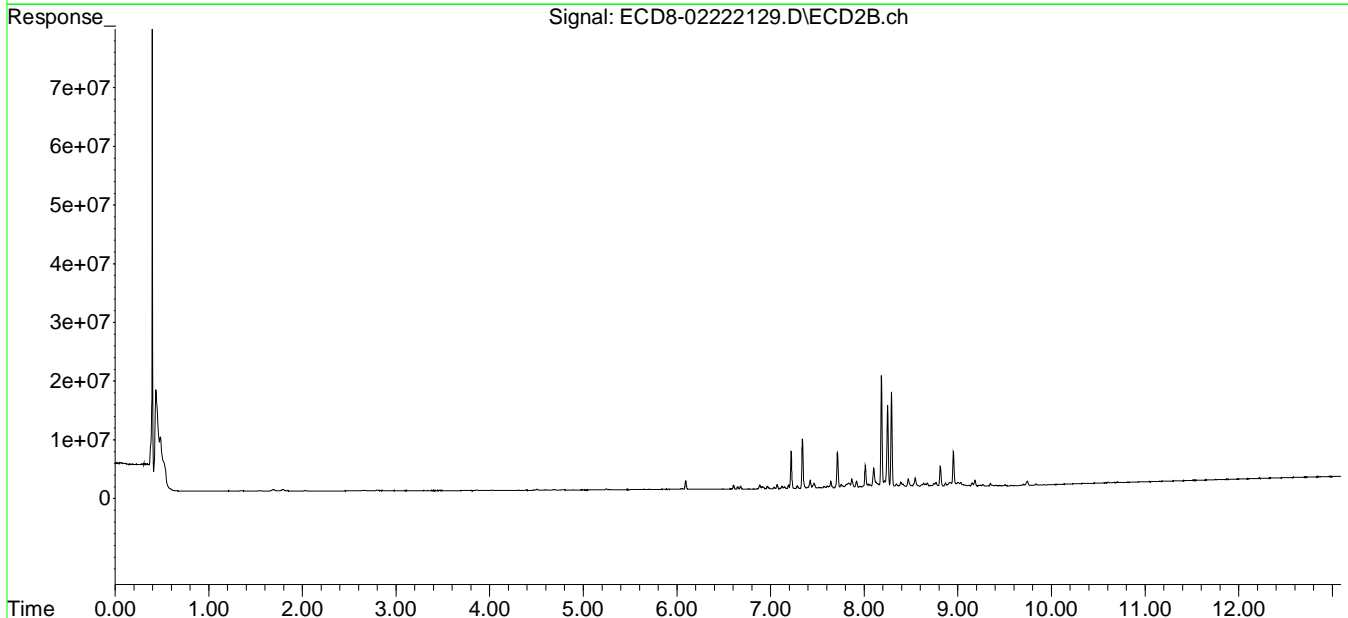
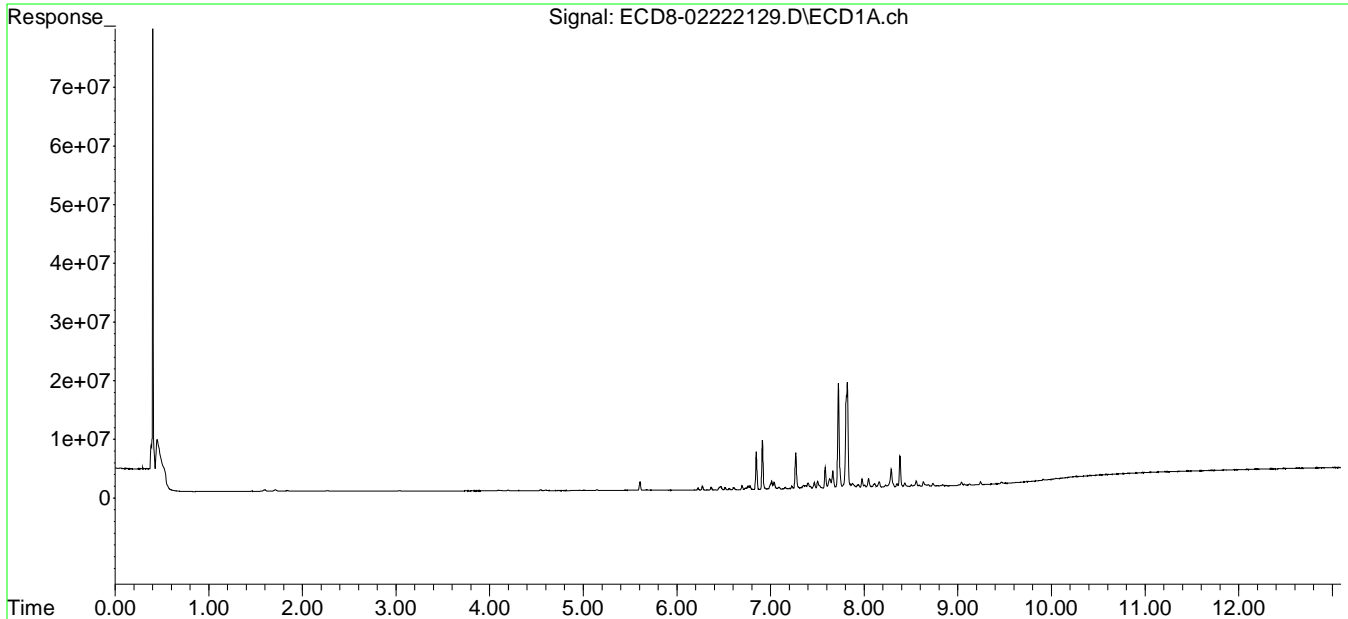
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.813	3086659	3545908	0.920	0.988
31)	Mirex	8.947	9.742	19277	736020	21703.393	BelowCal #
32)	Chlordane...	7.724	8.184	17851422	19070415	51.034	47.250
33)	Chlordane...	7.820	8.291	18023843	16283719	51.849	48.266
34)	Chlordane...	8.382	8.953	5278298	5948956	50.034	49.969
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.820	8.544f	18023843	1549341	1338.395	48.878 #
37)	Toxaphene...	8.113	8.868	614129	596573	18.580	15.457
38)	Toxaphene...	8.434	8.914	606221	705247	10.503	12.211
39)	Toxaphene...	8.653	8.953	300593	5948956	4.765	63.656 #
40)	Toxaphene...	8.874f	9.153	84744	635127	1.783	7.974 #
41)	Toxaphene...	8.947f	9.504f	19277	224788	0.358	3.916 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222129.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 1:56  
Operator : MJB  
Sample : 1B22071-CALK  
Misc : A20L139, CHLOR 50 ppb  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:27:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222130.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:12  
 Operator : MJB  
 Sample : 1B22071-CALL  
 Misc : A20L140, CHLOR 100 ppb  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	0.000	6.040	0	109663	N.D.	0.032 #
22) S	DCBP (S)	9.932f	10.573f	337573	78358	1931.170	BelowCal #
Target Compounds							
2)	a-BHC	6.222	6.681f	48361	971625	0.011	0.214 #
3)	g-BHC	6.520	6.979	34508	407245	0.010	0.104 #
4)	b-BHC	6.605	7.070f	452873	1288925	0.290	0.605 #
5)	Heptachlor	6.912	7.340	15838458	15754130	4.619	4.272
6)	d-BHC	6.759	7.278	490655	158176	0.145	0.034 #
7)	Aldrin	7.172	7.570f	189304	687210	0.055	0.195 #
8)	Heptachlo...	7.623	8.061	2137319	977650	0.678	0.295 #
9)	trans-Chl...	7.721	8.183	33851343	36977638	10.508	10.969
10)	cis-Chlor...	7.818	8.290	32854066	30689828	10.423	9.466
11)	Endosulfa...	7.939	8.357	909023	645701	0.313	0.215 #
12)	4,4'-DDE	7.851	8.388	1011461	960227	0.294	0.273
13)	Dieldrin	8.111	8.544	1115843	2835153	0.352	0.862 #
14)	Endrin	8.259	8.764	733076	892271	0.283	0.368 #
15)	4,4'-DDD	8.286	8.812	5833933	6045761	2.155	2.140
16)	Endosulfa...	8.427	8.903	685984	920268	0.273	0.345 #
17)	4,4'-DDT	8.471f	9.025	271191	699948	0.111	0.264 #
18)	Endrin Al...	8.741	9.152	187762	386875	BelowCal	BelowCal
19)	Endosulfa...	9.033	9.348	452103	103804	0.181	0.039 #
20)	Methoxychlor	8.841	9.502	142942	50144	0.114	0.038 #
21)	Endrin Ke...	9.244	9.742	46645	394982	0.016	BelowCal #
23)	Hexachlor...	3.462	3.745f	23329	15337	0.007	0.004 #
24)	Hexachlor...	6.061	6.515	39145	62226	0.012	0.017 #
25)	Oxychlorane	7.581f	7.988	6767039	609931	2.454	0.207 #
26)	2,4'-DDE	7.623	8.183	2137319	36977638	0.956	15.908 #
27)	trans-Non...	7.808	8.248	29693788	27052889	9.342	8.044
28)	2,4'-DDD	8.003	8.544	934329	2835153	0.493	1.356 #
29)	2,4'-DDT	8.198	8.764	250738	892271	0.124	0.424 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222130.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:12  
 Operator : MJB  
 Sample : 1B22071-CALL  
 Misc : A20L140, CHLOR 100 ppb  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

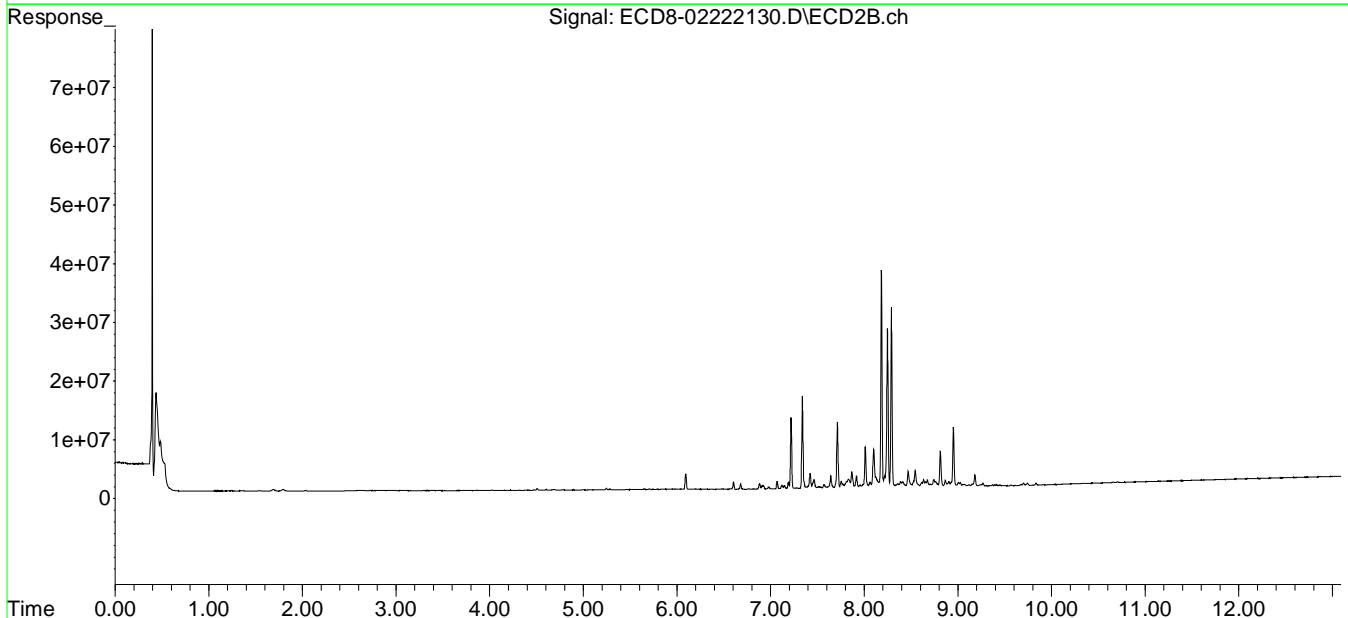
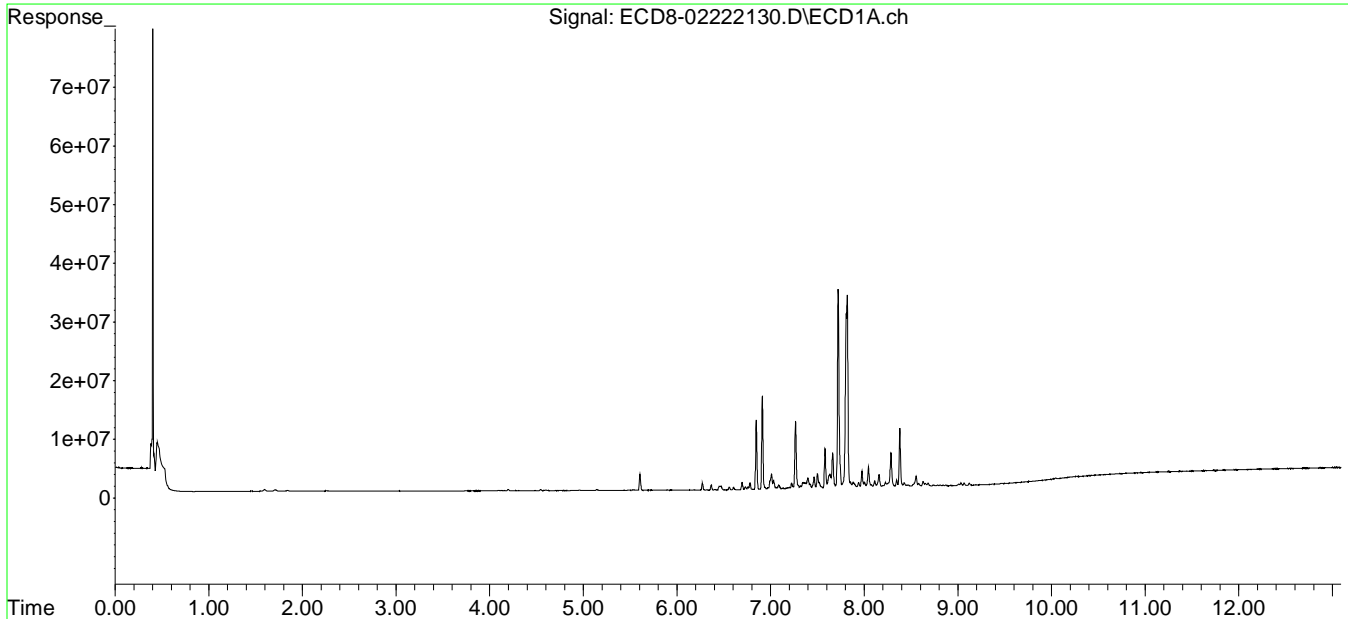
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.812	5833933	6045761	1.739	1.685
31)	Mirex	8.976	9.742	13397	394982	21703.396	BelowCal #
32)	Chlordane...	7.721	8.183	33851343	36977638	96.776	91.619
33)	Chlordane...	7.818	8.290	32854066	30689828	94.511	90.966
34)	Chlordane...	8.380	8.952	10002392	10165660	94.814	93.187
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.808	8.544f	29693788	2835153	2386.745	89.442 #
37)	Toxaphene...	8.111	8.866	1115843	1109532	34.260	28.747
38)	Toxaphene...	8.427	8.903	685984	920268	11.884	15.933 #
39)	Toxaphene...	8.652	8.952f	472551	10165660	7.491	111.089 #
40)	Toxaphene...	8.898	9.152	16019	386875	0.337	3.312 #
41)	Toxaphene...	8.976	9.518	13397	41638	0.249	0.725 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222130.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 2:12  
Operator : MJB  
Sample : 1B22071-CALL  
Misc : A20L140, CHLOR 100 ppb  
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:27:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222131.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:28  
 Operator : MJB  
 Sample : 1B22071-CALM  
 Misc : A20L141, CHLOR 200 ppb  
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:34 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
-----							
System Monitoring Compounds							
1) S TCMX (S)	5.673	6.060	38737	53009	0.012	0.016	#
22) S DCBP (S)	9.935f	10.580f	325116	69051	1931.176	BelowCal	#
Target Compounds							
2) a-BHC	6.218	6.644	30162	18314	0.007	0.004	#
3) g-BHC	6.526	6.979	57253	721858	0.016	0.185	#
4) b-BHC	6.605	7.019	805847	93561	0.515	BelowCal	#
5) Heptachlor	6.913	7.341	30991815	32515981	9.038	8.818	
6) d-BHC	6.759	7.279	964409	240184	0.286	0.056	#
7) Aldrin	7.172	7.571f	376065	1186967	0.109	0.337	#
8) Heptachlo...	7.634	8.060	4568952	1750352	1.449	0.529	#
9) trans-Chl...	7.722	8.183	66077764	75676309	20.512	22.448	
10) cis-Chlor...	7.818	8.290	66989579	62512842	21.252	19.281	
11) Endosulfa...	7.939	8.358	1765123	1194483	0.609	0.397	#
12) 4,4'-DDE	7.852	8.389	2032010	1793044	0.590	0.510	
13) Dieldrin	8.112	8.544	2173233	5689439	0.685	1.730	#
14) Endrin	8.288f	8.765	11214560	1628034	4.335	0.669	#
15) 4,4'-DDD	8.288	8.814	11214560	11787171	4.144	4.172	
16) Endosulfa...	8.431	8.904	1410310	1670387	0.560	0.625	
17) 4,4'-DDT	8.498	9.028	331718	1194958	0.135	0.476	#
18) Endrin Al...	8.745	9.122f	359769	449115	BelowCal	BelowCal	
19) Endosulfa...	9.037	9.351	831434	99448	0.332	0.037	#
20) Methoxychlor	8.817	9.507	335831	67733	0.268	0.051	#
21) Endrin Ke...	9.227	9.746	89986	690052	0.030	BelowCal	#
23) Hexachlor...	3.469	0.000	10010	0	0.003	N.D.	#
24) Hexachlor...	6.059	6.489f	32787	172772	0.010	0.048	#
25) Oxychlorane	7.582f	7.955	13103877	894694	4.752	0.304	#
26) 2,4'-DDE	7.634	8.183	4568952	75676309	2.044	32.557	#
27) trans-Non...	7.818	8.249	66989579	55290335	21.077	16.440	
28) 2,4'-DDD	8.004	8.544	1907095	5689439	1.006	2.859	#
29) 2,4'-DDT	8.200f	8.765	570815	1628034	0.283	0.774	#

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222131.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:28  
 Operator : MJB  
 Sample : 1B22071-CALM  
 Misc : A20L141, CHLOR 200 ppb  
 ALS Vial : 27 Sample Multiplier: 1

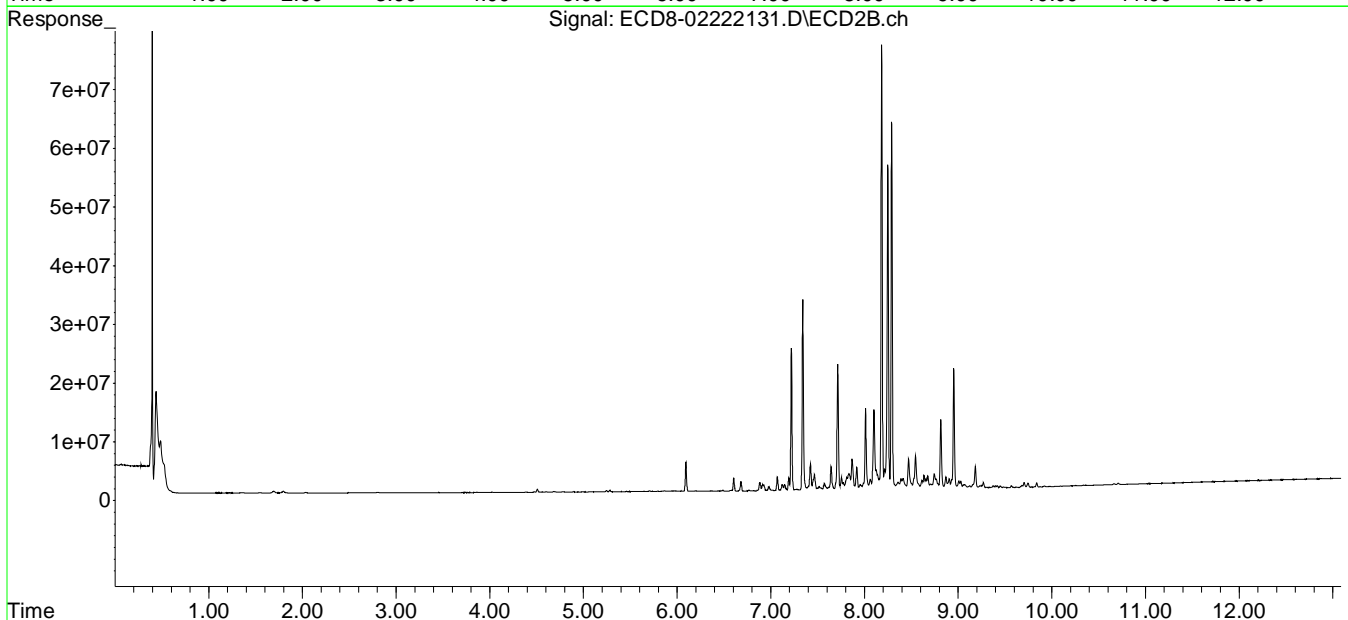
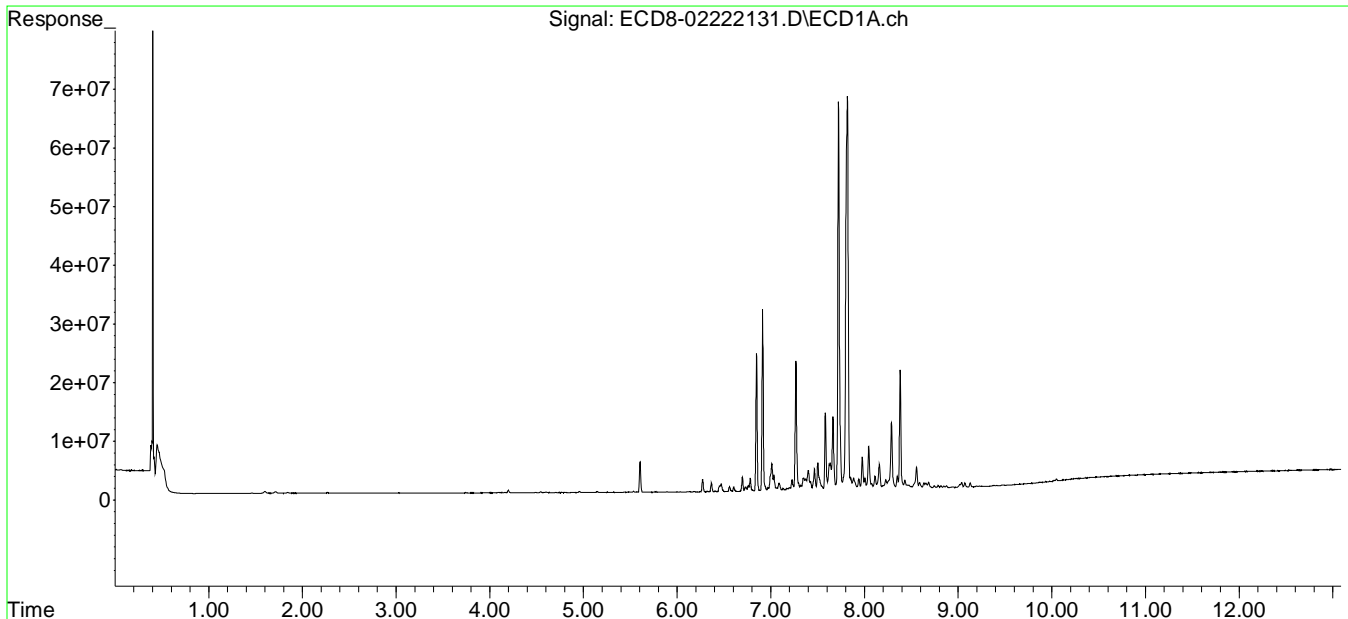
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:34 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.814	11214560	11787171	3.342	3.284
31)	Mirex	8.938f	9.746	112460	690052	21703.346	BelowCal #
32)	Chlordane...	7.722	8.183	66077764	75676309	188.906	187.502
33)	Chlordane...	7.818	8.290	66989579	62512842	192.709	185.291
34)	Chlordane...	8.381	8.953	20189624	20473908	191.380	197.100
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.544f	66989579	5689439	BelowCal	179.487
37)	Toxaphene...	8.112	8.869	2173233	2003310	67.442	51.904
38)	Toxaphene...	8.431	8.904	1410310	1670387	24.433	28.921
39)	Toxaphene...	8.655	8.953	829894	20473908	13.156	225.630 #
40)	Toxaphene...	8.874f	9.122f	338582	449115	7.125	4.481 #
41)	Toxaphene...	8.938f	9.507f	112460	67733	2.088	1.180 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222131.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 2:28  
Operator : MJB  
Sample : 1B22071-CALM  
Misc : A20L141, CHLOR 200 ppb  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:27:34 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222132.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:44  
 Operator : MJB  
 Sample : 1B22071-CALN  
 Misc : A20L142, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:43 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.673	6.042	73204	103199	0.023	0.030 #
22) S DCBP (S)	9.931f	10.607	455416	56026	1931.112	BelowCal #
Target Compounds						
2) a-BHC	6.217	6.680f	79421	3859651	0.019	0.852 #
3) g-BHC	6.524	6.978	159333	1780634	0.044	0.456 #
4) b-BHC	6.604	7.021	2076536	245205	1.328	BelowCal #
5) Heptachlor	6.912	7.340	83136027	88354171	24.244	23.960
6) d-BHC	6.759	7.278	2371819	589525	0.703	0.153 #
7) Aldrin	7.170	7.570f	1084030	2979060	0.315	0.847 #
8) Heptachlo...	7.631	8.060	11833726	4570871	3.752	1.381 #
9) trans-Chl...	7.720	8.183	180.9E6	215.6E6	56.165	63.966
10) cis-Chlor...	7.816	8.290	177.5E6	178.4E6	56.319	55.035
11) Endosulfa...	7.938	8.358	4609570	3293270	1.590	1.094 #
12) 4,4'-DDE	7.882	8.389	4920387	4387238	1.429	1.248
13) Dieldrin	8.111	8.544	5803379	17648926	1.830	5.366 #
14) Endrin	8.287	8.784	30438504	2185949	11.766	0.897 #
15) 4,4'-DDD	8.287	8.813	30438504	32426001	11.246	11.477
16) Endosulfa...	8.429	8.903	3774809	4338071	1.500	1.624
17) 4,4'-DDT	8.496	9.027	924959	3094397	0.377	1.290 #
18) Endrin Al...	8.744	9.121f	951611	1137037	BelowCal	0.083
19) Endosulfa...	9.034	9.327	2148004	278329	0.859	0.104 #
20) Methoxychlor	8.813	9.505	1033925	180319	0.826	0.137 #
21) Endrin Ke...	9.246	9.745	137510	1702570	0.046	0.318 #
23) Hexachlor...	3.468	3.744f	14247	15830	0.004	0.004
24) Hexachlor...	6.058	6.488f	93782	438476	0.029	0.122 #
25) Oxychlorane	7.579f	7.954	35368229	2191962	12.826	0.746 #
26) 2,4'-DDE	7.631	8.183	11833726	215.6E6	5.295	92.769 #
27) trans-Non...	7.816	8.248	177.5E6	154.2E6	55.855	45.839
28) 2,4'-DDD	8.002	8.544	5068499	17648926	2.675	9.121 #
29) 2,4'-DDT	8.199	8.784f	1633027	2185949	0.810	1.039 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222132.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:44  
 Operator : MJB  
 Sample : 1B22071-CALN  
 Misc : A20L142, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:43 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

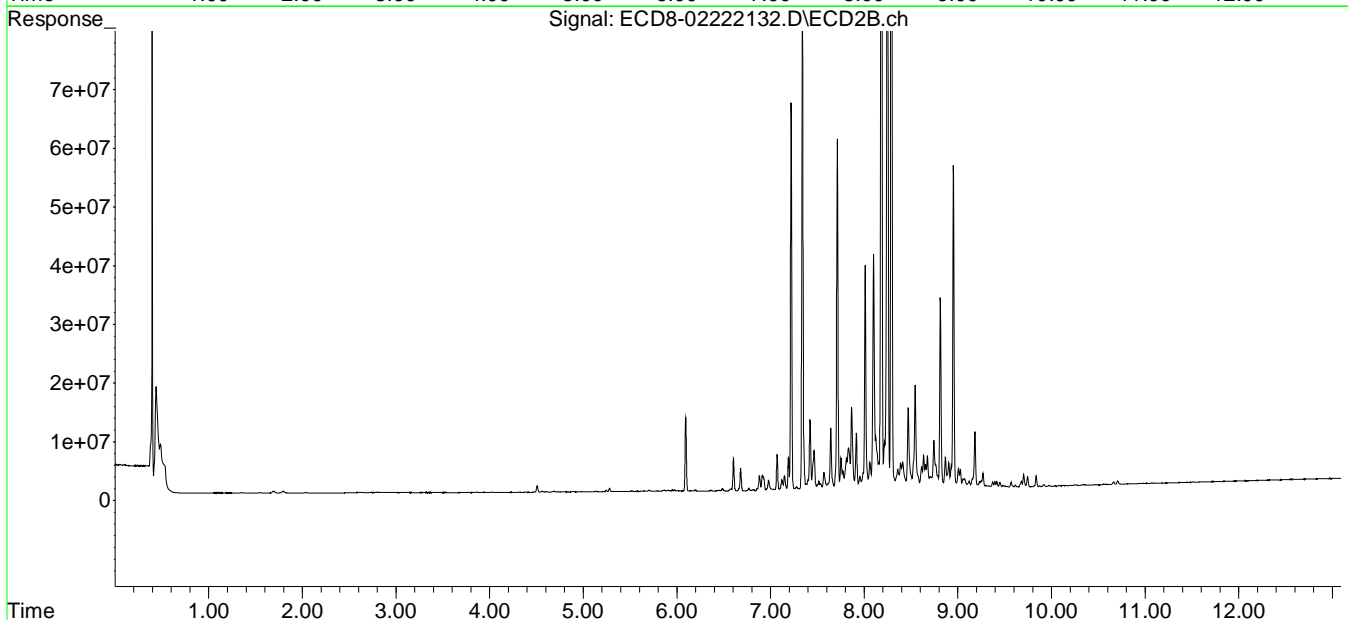
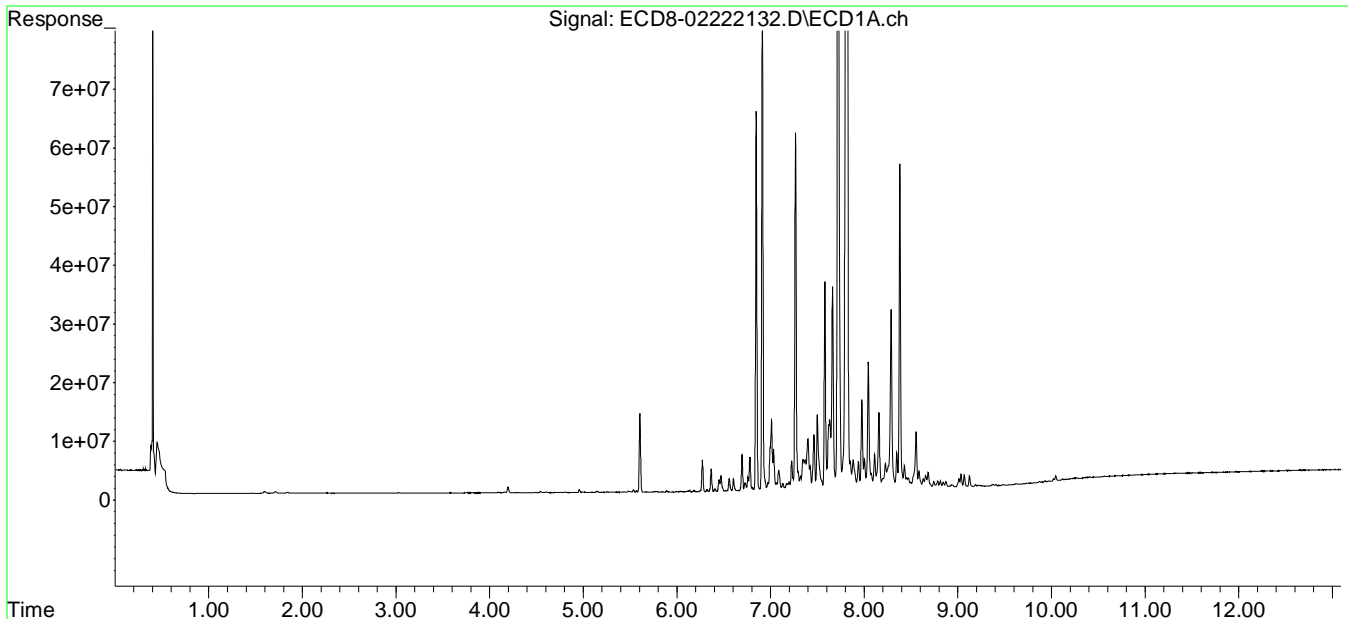
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.813	30438504	32426001	9.071	9.035
31)	Mirex	8.943	9.745	328605	1702570	21703.237	0.474 #
32)	Chlordane...	7.720	8.183	180.9E6	215.6E6	517.254	534.283
33)	Chlordane...	7.816	8.290	177.5E6	178.4E6	510.694	528.898
34)	Chlordane...	8.380	8.952	55171659	54913459	522.979	528.177
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.816	8.544f	177.5E6	17648926	BelowCal	556.778
37)	Toxaphene...	8.111	8.867	5803379	5173478	182.788	134.041 #
38)	Toxaphene...	8.429	8.903	3774809	4338071	65.397	75.109
39)	Toxaphene...	8.655	8.952	2022072	54913459	32.055	594.856 #
40)	Toxaphene...	8.873f	9.121f	929528	1137037	19.562	17.393
41)	Toxaphene...	8.943f	9.505f	328605	180319	6.100	3.141 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222132.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:44  
 Operator : MJB  
 Sample : 1B22071-CALN  
 Misc : A20L142, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:43 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222133.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:01  
 Operator : MJB  
 Sample : 1B22071-CALO  
 Misc : A20L143, CHLOR 1000 ppb  
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:52 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.673	6.042	135875	98313	0.042	0.029 #
22) S	DCBP (S)	9.908	10.618	265769	69099	1931.206	BelowCal #
Target Compounds							
2)	a-BHC	6.218	6.681f	171177	6874802	0.040	1.517 #
3)	g-BHC	6.526	6.979	321563	3225429	0.089	0.826 #
4)	b-BHC	6.605	7.019	3799800	448315	2.430	0.083 #
5)	Heptachlor	6.913	7.340	158.5E6	176.3E6	46.228	47.822
6)	d-BHC	6.759	7.278	4433642	998612	1.313	0.266 #
7)	Aldrin	7.170	7.617	2138840	1694365	0.622	0.482
8)	Heptachlo...	7.632	8.060	22971535	8497164	7.284	2.568 #
9)	trans-Chl...	7.722	8.183	351.0E6	425.6E6	108.947	126.257
10)	cis-Chlor...	7.817	8.291	336.8E6	362.3E6	106.832	111.731
11)	Endosulfa...	7.939	8.358	9047553	6642669	3.120	2.207 #
12)	4,4'-DDE	7.851	8.388	8835394	8449373	2.566	2.404
13)	Dieldrin	8.112	8.543	11251478	38528753	3.547	11.714 #
14)	Endrin	8.288	8.744f	60367455	17439283	23.335	7.071 #
15)	4,4'-DDD	8.288	8.814	60367455	64516525	22.304	22.835
16)	Endosulfa...	8.429	8.904	7543092	8645624	2.998	3.237
17)	4,4'-DDT	8.498	9.028	1986448	6110537	0.810	2.576 #
18)	Endrin Al...	8.745	9.122f	1947317	2219589	BelowCal	0.535
19)	Endosulfa...	9.036	9.328	4037915	635361	1.614	0.238 #
20)	Methoxychlor	8.816	9.506	2088796	426840	1.670	0.324 #
21)	Endrin Ke...	9.227	9.747	462869	3245796	0.155	0.897 #
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	6.058	6.488f	197306	750239	0.061	0.209 #
25)	Oxychlorane	7.580f	7.989	68978040	5136616	25.015	1.747 #
26)	2,4'-DDE	7.632	8.156	22971535	8488318	10.278	3.652 #
27)	trans-Non...	7.817	8.249	336.8E6	312.7E6	105.951	92.983
28)	2,4'-DDD	8.003	8.543	9900783	38528753	5.225	19.905 #
29)	2,4'-DDT	8.158f	8.744	26856648	17439283	13.316	8.288 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222133.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:01  
 Operator : MJB  
 Sample : 1B22071-CALO  
 Misc : A20L143, CHLOR 1000 ppb  
 ALS Vial : 29 Sample Multiplier: 1

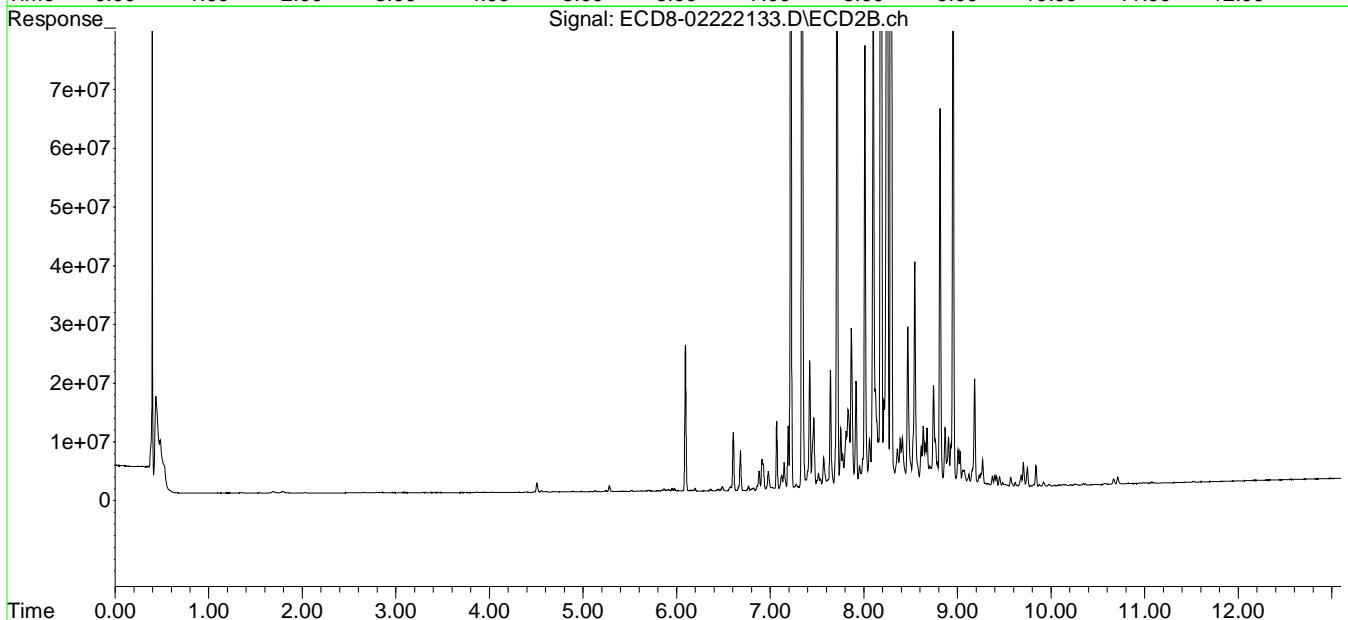
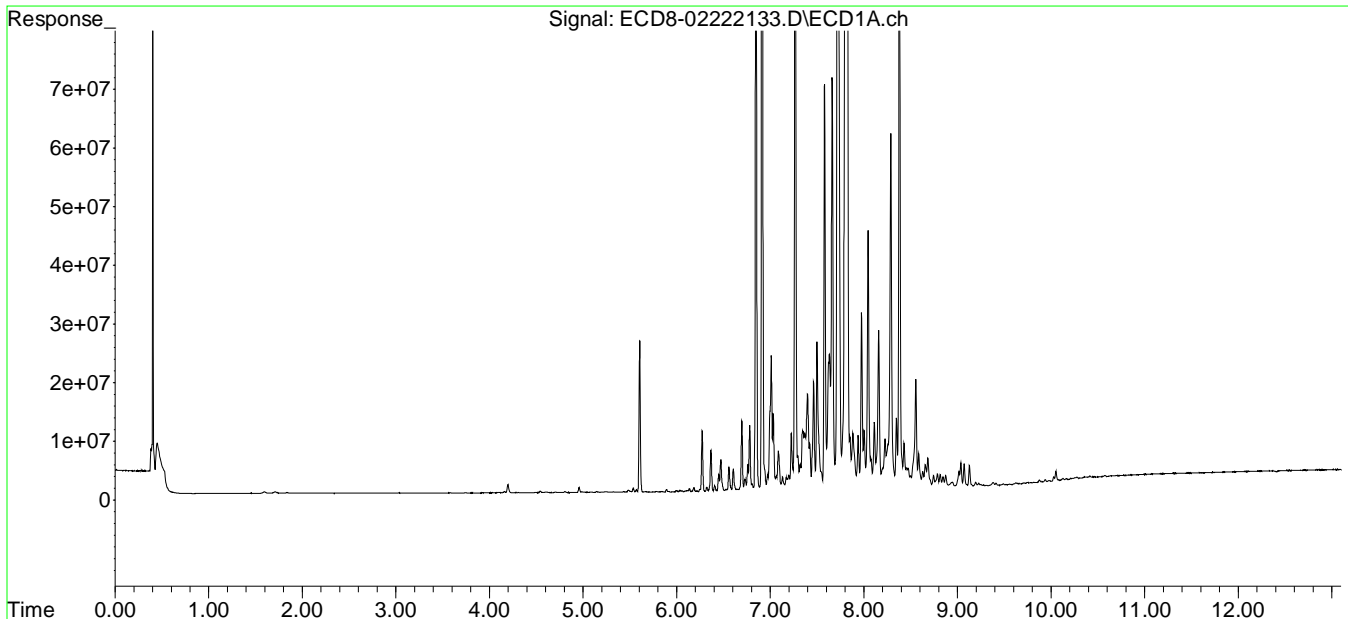
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:27:52 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.814	60367455	64516525	17.990	17.976
31)	Mirex	8.947	9.747	721917	3245796	0.186	1.300 #
32)	Chlordane...	7.722	8.183	351.0E6	425.6E6	1003.357	1054.573
33)	Chlordane...	7.817	8.291	336.8E6	362.3E6	968.739	1073.760
34)	Chlordane...	8.380	8.953	108.2E6	113.4E6	1026.012	1043.582
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.817	8.543f	336.8E6	38528753	BelowCal	1215.482
37)	Toxaphene...	8.112	8.868	11251478	10217687	360.287	264.732 #
38)	Toxaphene...	8.429	8.904	7543092	8645624	130.682	149.689
39)	Toxaphene...	8.656	8.953	3822739	113.4E6	60.601	1180.835 #
40)	Toxaphene...	8.874f	9.122f	1877400	2219589	39.510	37.679
41)	Toxaphene...	8.947f	9.506f	721917	426840	13.401	7.435 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222133.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 3:01  
Operator : MJB  
Sample : 1B22071-CALO  
Misc : A20L143, CHLOR 1000 ppb  
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:27:52 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222134.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:17  
 Operator : MJB  
 Sample : 1B22071-CALP  
 Misc : A20L138, CHLOR 2000 ppb  
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:28:02 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.673	6.026f	270546	151130	0.084	0.044 #
22) S DCBP (S)	9.934f	10.610	963418	94955	0.194	BelowCal #
Target Compounds						
2) a-BHC	6.218	6.680f	304232	13532934	0.071	2.986 #
3) g-BHC	6.525	6.978	631531	6224302	0.174	1.594 #
4) b-BHC	6.604	7.023	7806777	837678	4.992	0.324 #
5) Heptachlor	6.913	7.340	318.3E6	362.6E6	92.824	98.323
6) d-BHC	6.759	7.279	8774534	1869984	2.599	0.507 #
7) Aldrin	7.170	7.614	4256462	3155360	1.238	0.897 #
8) Heptachlo...	7.632	8.059	46903697	17398550	14.872	5.258 #
9) trans-Chl...	7.720	8.182	732.3E6	925.9E6	227.316	274.666
10) cis-Chlor...	7.817	8.290	687.0E6	736.8E6	217.936	227.239
11) Endosulfa...	7.937	8.357	18270030	13701753	6.300	4.552 #
12) 4,4'-DDE	7.881	8.388	19536987	17083482	5.674	4.861
13) Dieldrin	8.109	8.543	22784795	81228794	7.183	24.696 #
14) Endrin	8.286	8.787f	119.6E6	9326088	46.237	3.802 #
15) 4,4'-DDD	8.286	8.813	119.6E6	135.0E6	44.195	47.766
16) Endosulfa...	8.428	8.903	15158741	17745477	6.024	6.645
17) 4,4'-DDT	8.497	9.026	3849475	12484751	1.570	5.276 #
18) Endrin Al...	8.743	9.120f	3884549	4520777	0.536	1.495 #
19) Endosulfa...	9.034	9.326	7691594	1460177	3.075	0.547 #
20) Methoxychlor	8.814	9.505	4454635	943189	3.561	0.717 #
21) Endrin Ke...	9.247	9.746	501264	6258349	0.168	2.025 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	6.059	6.488f	308481	1323249	0.095	0.368 #
25) Oxychlorane	7.579f	7.987	141.4E6	10158116	51.289	3.455 #
26) 2,4'-DDE	7.632	8.155	46903697	17015248	20.987	7.320 #
27) trans-Non...	7.817	8.248	687.0E6	646.4E6	216.139	192.194
28) 2,4'-DDD	8.001	8.543	19574943	81228794	10.331	41.409 #
29) 2,4'-DDT	8.156f	8.743f	58959688	39430300	29.232	18.739 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222134.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:17  
 Operator : MJB  
 Sample : 1B22071-CALP  
 Misc : A20L138, CHLOR 2000 ppb  
 ALS Vial : 30 Sample Multiplier: 1

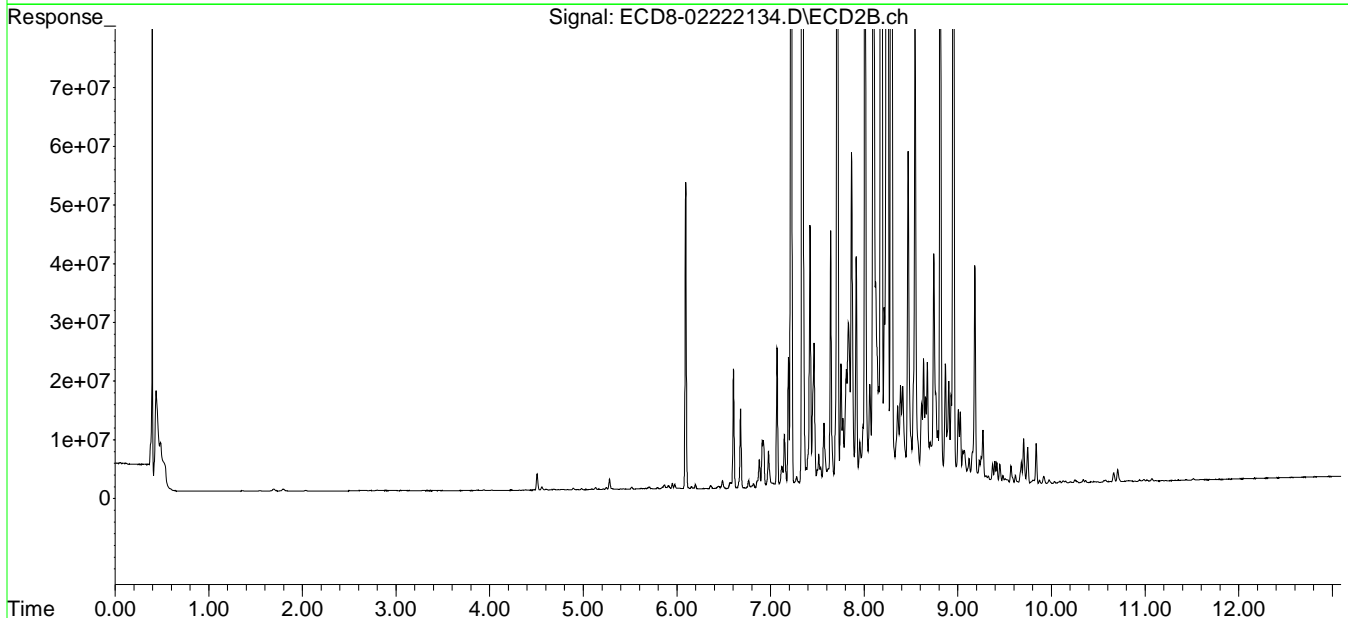
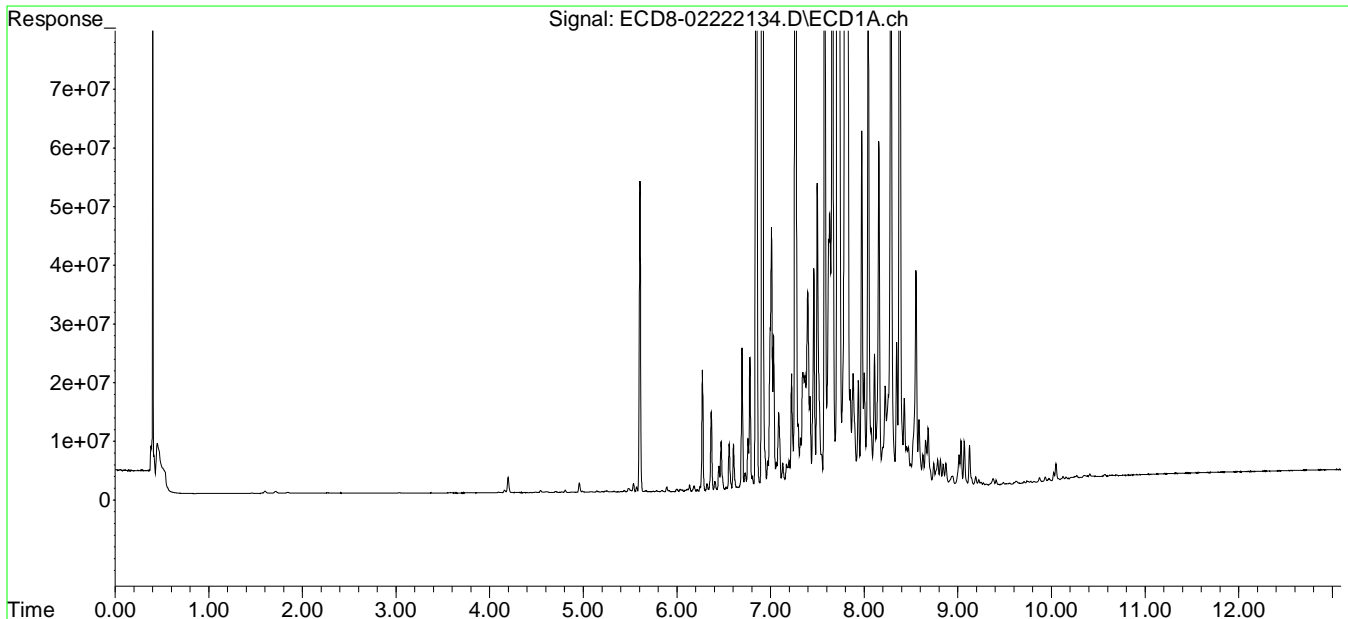
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:28:02 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.813	119.6E6	135.0E6	35.646	37.602
31)	Mirex	8.944	9.746	1657925	6258349	0.658	2.910 #
32)	Chlordane...	7.720	8.182	732.3E6	925.9E6	2093.474	2294.180
33)	Chlordane...	7.817	8.290	687.0E6	736.8E6	1976.217	2183.826
34)	Chlordane...	8.380	8.952	216.8E6	230.2E6	2055.207	1948.198
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.817	8.543f	687.0E6	81228794	BelowCal	2562.558
37)	Toxaphene...	8.109	8.868	22784795	20685502	755.650	535.945 #
38)	Toxaphene...	8.428	8.903	15158741	17745477	262.620	307.242
39)	Toxaphene...	8.656	8.952	7770383	230.2E6	123.181	2234.676 #
40)	Toxaphene...	8.873f	9.120f	3862914	4520777	81.295	80.669
41)	Toxaphene...	8.944f	9.533	1657925	753465	30.776	13.125 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222134.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 3:17  
Operator : MJB  
Sample : 1B22071-CALP  
Misc : A20L138, CHLOR 2000 ppb  
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:28:02 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222139.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:38  
 Operator : MJB  
 Sample : 1B22071-CALS  
 Misc : A20K261, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:28:43 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	0.000	6.051	0	47126	N.D.	0.014 #
22) S	DCBP (S)	9.925	10.611	148451	43228	1931.264	BelowCal #
Target Compounds							
2)	a-BHC	6.217	6.650	46906	76105	0.011	0.017 #
3)	g-BHC	6.516	6.956	42459	83148	0.012	0.021 #
4)	b-BHC	6.605	7.022	39101	94747	0.025	BelowCal #
5)	Heptachlor	6.914	7.332	49904	77371	0.015	0.021 #
6)	d-BHC	6.753	7.288	47942	128233	0.014	0.025 #
7)	Aldrin	7.160	7.625	131433	541180	0.038	0.154 #
8)	Heptachlo...	7.638	8.043	447493	888022	0.142	0.268 #
9)	trans-Chl...	7.706	8.167	910069	1168131	0.283	0.347
10)	cis-Chlor...	7.806	8.272	1440138	1204578	0.457	0.372
11)	Endosulfa...	7.934	8.352	1852766	1380284	0.639	0.459 #
12)	4,4'-DDE	7.852	8.381	1121325	1567501	0.326	0.446 #
13)	Dieldrin	8.102	8.520f	2964252	3106543	0.935	0.944
14)	Endrin	8.285	8.765	3810039	3451009	1.473	1.413
15)	4,4'-DDD	8.299	8.818	3394728	2045633	1.254	0.724 #
16)	Endosulfa...	8.424	8.905	5609870	5410474	2.229	2.026
17)	4,4'-DDT	8.498	9.034	4913679	2290780	2.004	0.946 #
18)	Endrin Al...	8.711	9.151	3772796	5204230	0.482	1.780 #
19)	Endosulfa...	9.033	9.349	2226141	2130875	0.890	0.798
20)	Methoxychlor	8.821	9.484	3237308	2526505	2.588	1.920 #
21)	Endrin Ke...	9.223	9.732	1340919	540719	0.450	BelowCal #
23)	Hexachlor...	3.461	3.768	207037	245021	0.060	0.061
24)	Hexachlor...	6.062	6.518	189227	280691	0.058	0.078 #
25)	Oxychlorane	7.554	7.958	1123231	765937	0.407	0.261 #
26)	2,4'-DDE	7.603	8.167	639927	1168131	0.286	0.503 #
27)	trans-Non...	7.806	8.229	1440138	1555019	0.453	0.462
28)	2,4'-DDD	8.024f	8.520f	1975673	3106543	1.043	1.499 #
29)	2,4'-DDT	8.166	8.765	2916935	3451009	1.446	1.640



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222139.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:38  
 Operator : MJB  
 Sample : 1B22071-CALS  
 Misc : A20K261, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

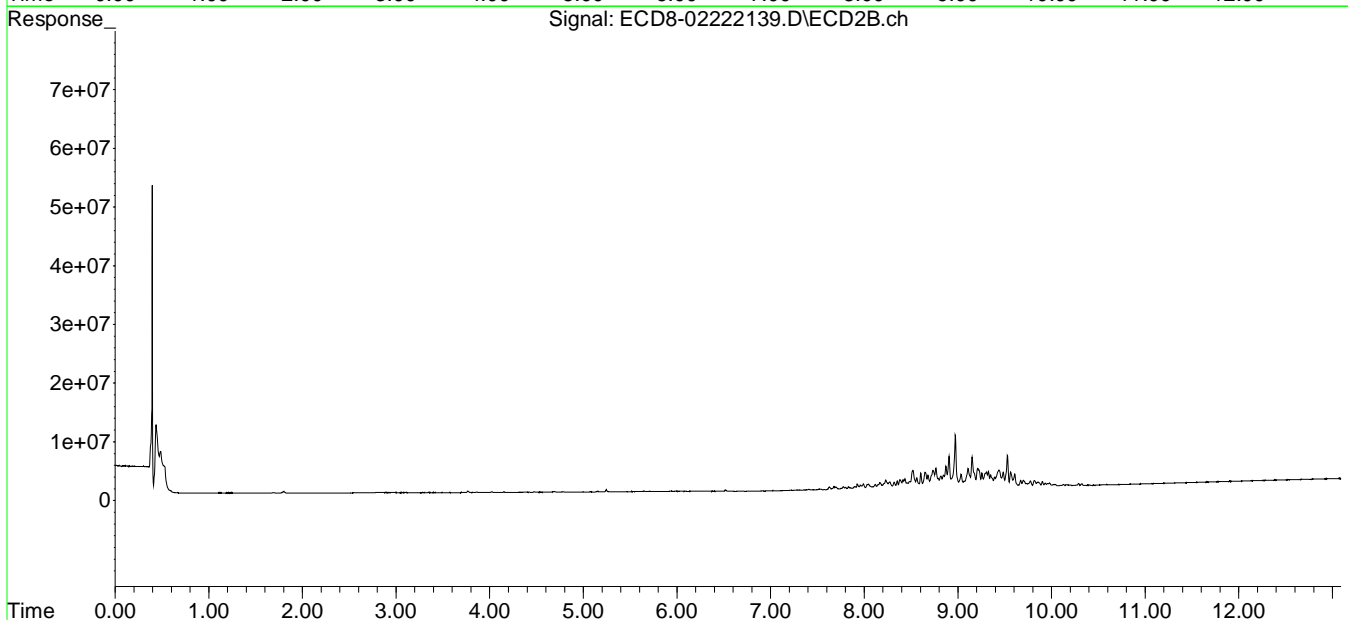
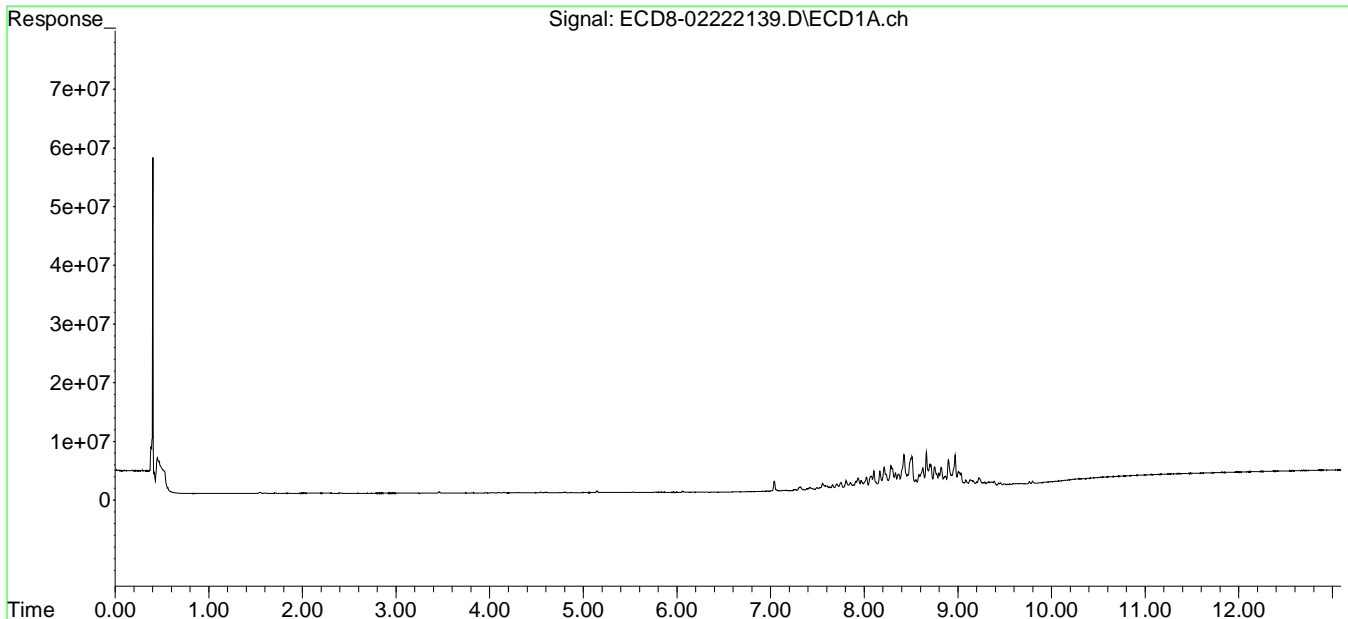
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:28:43 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.285	8.818	3810039	2045633	1.135	0.570 #
31)	Mirex	8.970	9.732	5305290	540719	2.497	BelowCal #
32)	Chlordane...	7.706	8.167	910069	1168131	2.602	2.894
33)	Chlordane...	7.806	8.272	1440138	1204578	4.143	3.570
34)	Chlordane...	8.369	8.973f	2314286	9030733	21.937	81.596 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.806	8.520	1440138	3106543	97.270	98.003
37)	Toxaphene...	8.102	8.872	2964252	3725171	92.386	96.516
38)	Toxaphene...	8.424	8.905	5609870	5410474	97.189	93.676
39)	Toxaphene...	8.663	8.973	5961327	9030733	94.503	98.356
40)	Toxaphene...	8.898	9.151	4547161	5204230	95.695	93.403
41)	Toxaphene...	8.970	9.529	5305290	5401052	98.481	94.084
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222139.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:38  
 Operator : MJB  
 Sample : 1B22071-CALS  
 Misc : A20K261, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:28:43 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222140.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:54  
 Operator : MJB  
 Sample : 1B22071-CALT  
 Misc : A20K262, TOX 200 ppb  
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:28:51 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.678	6.053	14057	58971	0.004	0.017 #
22) S DCBP (S)	9.920	10.606	180724	66792	1931.248	BelowCal #
Target Compounds						
2) a-BHC	6.225	6.652	51152	61101	0.012	0.013
3) g-BHC	6.513	6.958	42015	98290	0.012	0.025 #
4) b-BHC	6.574	7.020	35030	121198	0.022	BelowCal #
5) Heptachlor	6.920	7.352	145497	245229	0.042	0.067 #
6) d-BHC	6.752	7.284	97662	237898	0.029	0.056 #
7) Aldrin	7.160	7.626f	283018	788992	0.082	0.224 #
8) Heptachlo...	7.634	8.042	924974	1849563	0.293	0.559 #
9) trans-Chl...	7.702	8.166	1555259	2137311	0.483	0.634 #
10) cis-Chlor...	7.803	8.271	2647827	2252086	0.840	0.695
11) Endosulfa...	7.932	8.351	3780285	2632589	1.304	0.875 #
12) 4,4'-DDE	7.882	8.379	1416189	3026330	0.411	0.861 #
13) Dieldrin	8.101	8.559	5861871	3529947	1.848	1.073 #
14) Endrin	8.282	8.763	7496394	6709095	2.898	2.740
15) 4,4'-DDD	8.297	8.817	6728604	3943146	2.486	1.396 #
16) Endosulfa...	8.422	8.903	11217355	10793321	4.458	4.041
17) 4,4'-DDT	8.495	9.033	10064145	4512853	4.105	1.896 #
18) Endrin Al...	8.710	9.150	7595674	10608715	2.336	4.031 #
19) Endosulfa...	9.030	9.348	4713860	4289639	1.885	1.607
20) Methoxychlor	8.819	9.482	6697714	5090152	5.354	3.869 #
21) Endrin Ke...	9.222	9.772f	2905022	2044693	0.975	0.446 #
23) Hexachlor...	3.464	3.772	18936	28124	0.005	0.007 #
24) Hexachlor...	6.058	6.529	1235550	72547	0.379	0.020 #
25) Oxychlorane	7.554	7.988	1967018	1971114	0.713	0.670
26) 2,4'-DDE	7.600	8.166	1235977	2137311	0.553	0.919 #
27) trans-Non...	7.803	8.228	2647827	2867424	0.833	0.853
28) 2,4'-DDD	8.022f	8.559	4097673	3529947	2.163	1.722
29) 2,4'-DDT	8.164	8.763	5911010	6709095	2.931	3.188

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222140.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:54  
 Operator : MJB  
 Sample : 1B22071-CALT  
 Misc : A20K262, TOX 200 ppb  
 ALS Vial : 35 Sample Multiplier: 1

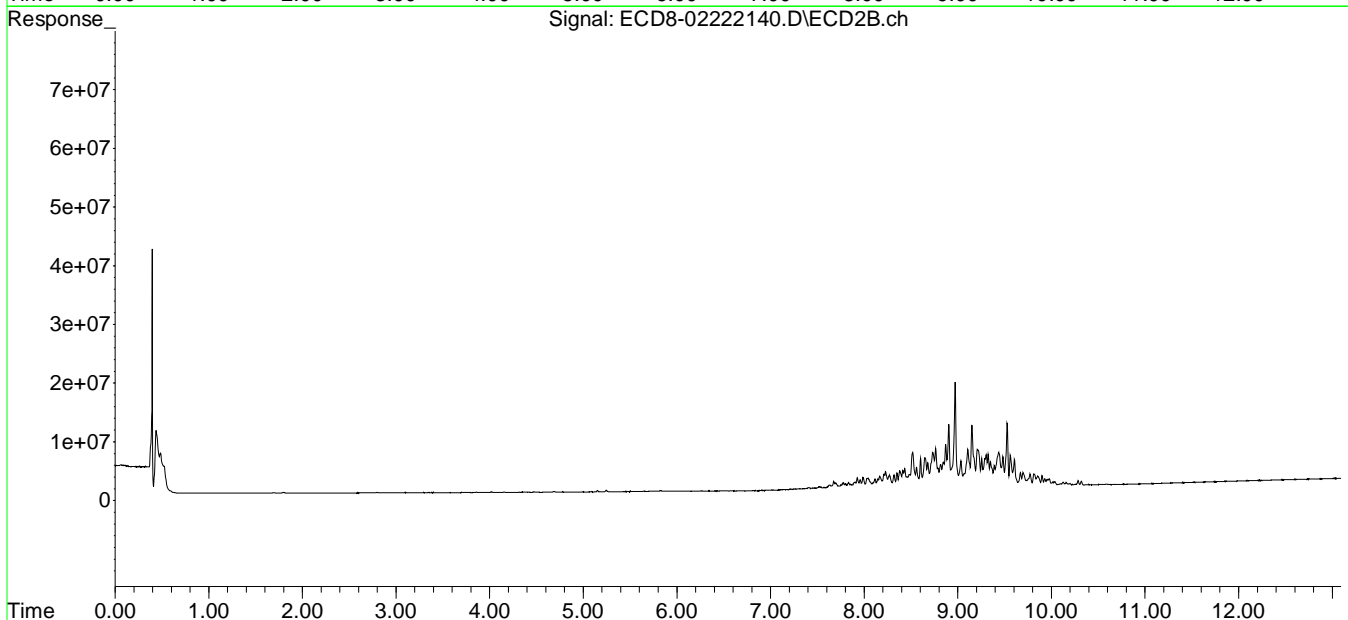
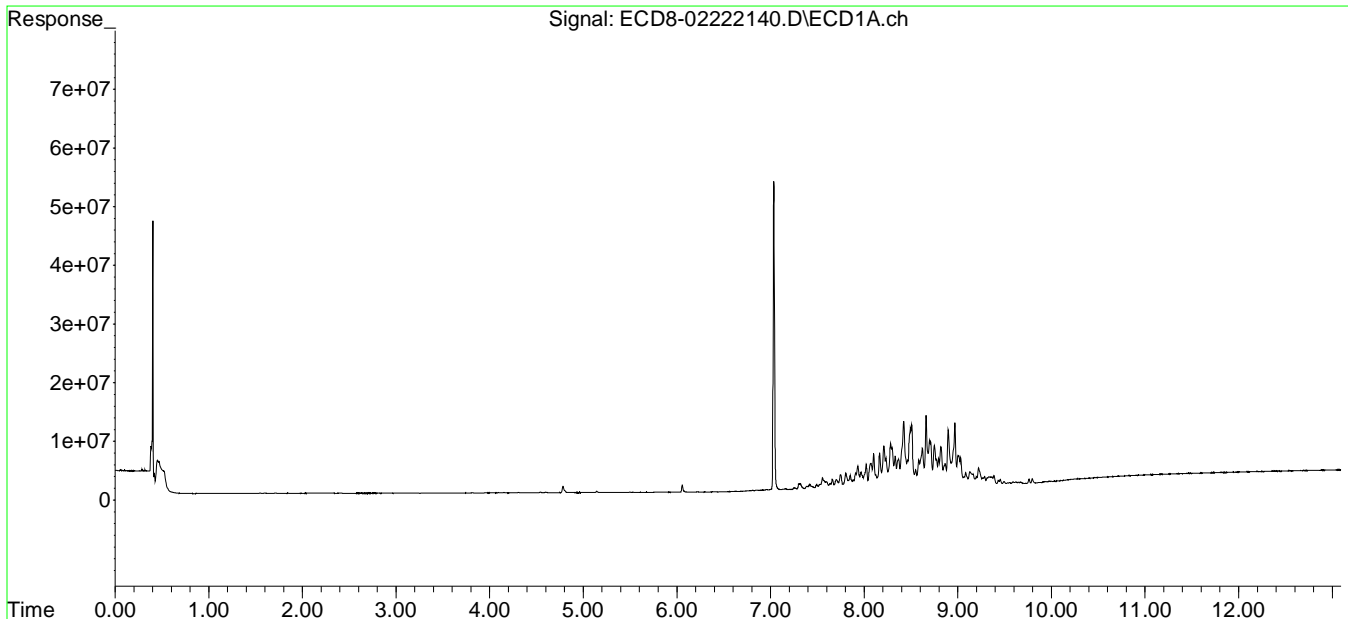
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:28:51 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.282	8.817	7496394	3943146	2.234	1.099 #
31)	Mirex	8.968	9.697f	10682954	2287156	5.208	0.787 #
32)	Chlordane...	7.702	8.166	1555259	2137311	4.446	5.296
33)	Chlordane...	7.803	8.271	2647827	2252086	7.617	6.675
34)	Chlordane...	8.367	8.972	4739444	17925372	44.926	171.633 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.803	8.518	2647827	6044247	180.618	190.680
37)	Toxaphene...	8.101	8.870	5861871	7397244	184.665	191.657
38)	Toxaphene...	8.422	8.903	11217355	10793321	194.337	186.874
39)	Toxaphene...	8.661	8.972	12057055	17925372	191.136	197.495
40)	Toxaphene...	8.897	9.150	9534372	10608715	200.650	193.550
41)	Toxaphene...	8.968	9.527	10682954	10797928	198.305	188.095
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222140.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 4:54  
Operator : MJB  
Sample : 1B22071-CALT  
Misc : A20K262, TOX 200 ppb  
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:28:51 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222141.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:10  
 Operator : MJB  
 Sample : 1B22071-CALU  
 Misc : A20K263, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:29:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.673	6.043	8511	61282	0.003	0.018 #
22) S	DCBP (S)	9.920	10.589	355839	331156	1931.161	0.016 #
Target Compounds							
2)	a-BHC	6.225	6.651	78947	80969	0.019	0.018
3)	g-BHC	6.515	6.978	74543	102799	0.021	0.026 #
4)	b-BHC	6.600	7.022	71288	249576	0.046	BelowCal #
5)	Heptachlor	6.918	7.331	250494	260194	0.073	0.071
6)	d-BHC	6.752	7.284	202010	353761	0.060	0.088 #
7)	Aldrin	7.162	7.636f	738566	1165265	0.215	0.331 #
8)	Heptachlo...	7.635	8.042	2512005	3973608	0.797	1.201 #
9)	trans-Chl...	7.702	8.167	3925989	4831491	1.219	1.433
10)	cis-Chlor...	7.803	8.272	6980111	5371618	2.214	1.657 #
11)	Endosulfa...	7.931	8.350	9937836	6383331	3.427	2.121 #
12)	4,4'-DDE	7.883	8.379	3732973	7283611	1.084	2.072 #
13)	Dieldrin	8.100	8.559	15291283	8673327	4.821	2.637 #
14)	Endrin	8.283	8.763	20237560	17316098	7.823	7.021
15)	4,4'-DDD	8.297	8.817	17623128	10250931	6.511	3.628 #
16)	Endosulfa...	8.422	8.904	29730815	28462823	11.815	10.657
17)	4,4'-DDT	8.494	9.034	26393650	11578147	10.766	4.894 #
18)	Endrin Al...	8.709	9.151	20322178	27907934	8.470	11.212 #
19)	Endosulfa...	9.031	9.348	12560852	11099632	5.022	4.159
20)	Methoxychlor	8.820	9.483	17989176	13105047	14.380	9.960 #
21)	Endrin Ke...	9.222	9.773f	7415321	5485155	2.489	1.736 #
23)	Hexachlor...	0.000	3.779	0	46172	N.D.	0.012 #
24)	Hexachlor...	6.063	6.511	24510	34281	0.008	0.010 #
25)	Oxychlorane	7.556	7.957	5024564	3138410	1.822	1.068 #
26)	2,4'-DDE	7.598	8.167	3271772	4831491	1.464	2.079 #
27)	trans-Non...	7.803	8.229	6980111	7190850	2.196	2.138
28)	2,4'-DDD	8.021f	8.559	10763819	8673327	5.681	4.427
29)	2,4'-DDT	8.165	8.763	15384351	17316098	7.628	8.229

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222141.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:10  
 Operator : MJB  
 Sample : 1B22071-CALU  
 Misc : A20K263, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

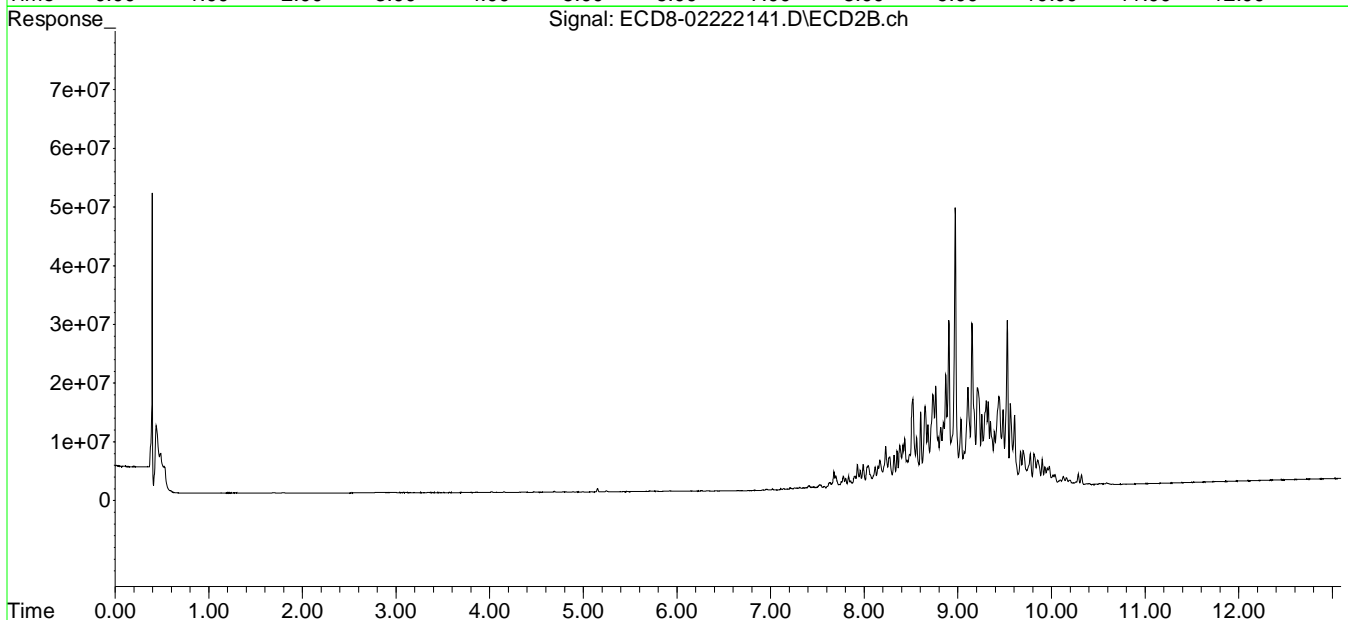
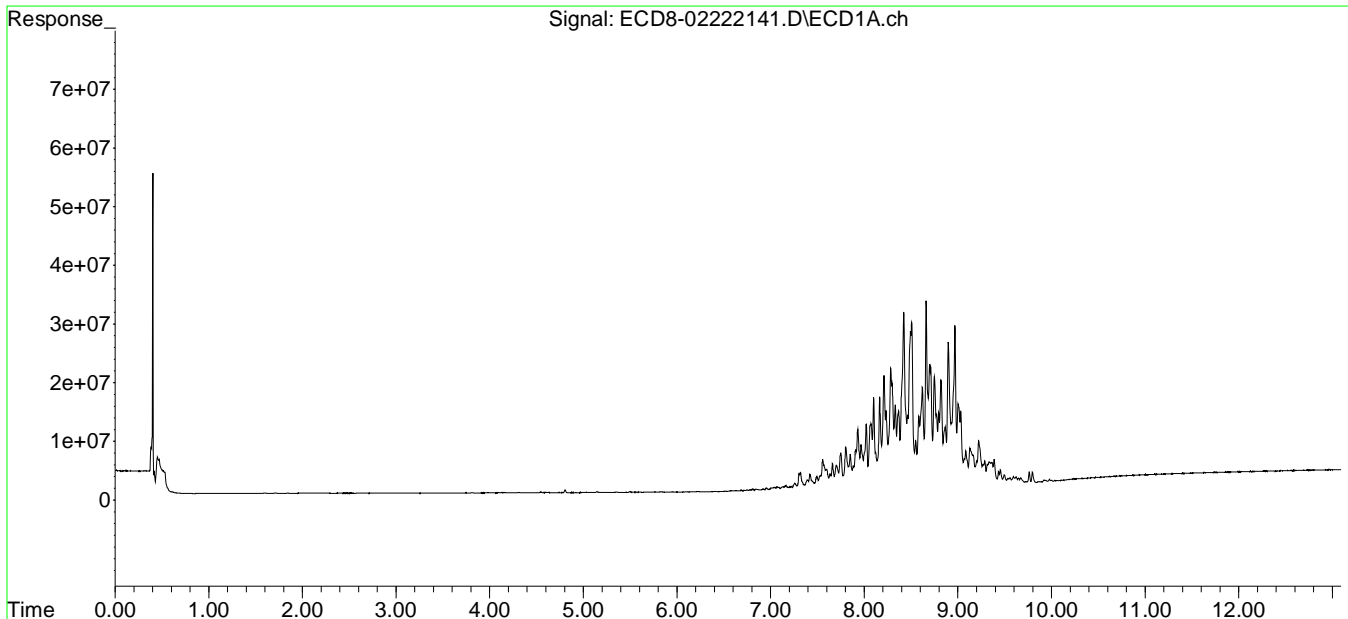
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:29:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.283	8.817	20237560	10250931	6.031	2.856 #
31)	Mirex	8.968	9.698f	27178501	6030895	13.530	2.788 #
32)	Chlordane...	7.702	8.167	3925989	4831491	11.224	11.971
33)	Chlordane...	7.803	8.272	6980111	5371618	20.080	15.922
34)	Chlordane...	8.367	8.972f	12896314	47556533	122.246	459.376 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.803	8.519	6980111	15136847	487.670	477.528
37)	Toxaphene...	8.100	8.871	15291283	19246533	495.567	498.663
38)	Toxaphene...	8.422	8.904	29730815	28462823	515.077	492.800
39)	Toxaphene...	8.661	8.972	31451895	47556533	498.596	517.621
40)	Toxaphene...	8.897	9.151	24329694	27907934	512.017	507.859
41)	Toxaphene...	8.968	9.528	27178501	28324396	504.507	493.399
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-0222141.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:10  
 Operator : MJB  
 Sample : 1B22071-CALU  
 Misc : A20K263, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:29:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222142.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:27  
 Operator : MJB  
 Sample : 1B22071-CALV  
 Misc : A20K264, TOX 1000 ppb  
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:29:09 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.060	33553	43706	0.010	0.013
22) S DCBP (S)	9.921	10.593	751796	877425	0.089	0.333 #
Target Compounds						
2) a-BHC	6.225	6.650	163672	146964	0.038	0.032
3) g-BHC	6.515	6.956	172005	399627	0.047	0.102 #
4) b-BHC	6.599	7.021	166137	494788	0.106	0.111
5) Heptachlor	6.921	7.350	489413	726549	0.143	0.197 #
6) d-BHC	6.751	7.283	373760	631170	0.111	0.165 #
7) Aldrin	7.160	7.635f	1438326	2055634	0.418	0.584 #
8) Heptachlo...	7.633	8.041	4715098	7517985	1.495	2.272 #
9) trans-Chl...	7.699f	8.166	7308830	9407517	2.269	2.791
10) cis-Chlor...	7.802	8.269	13651040	10204274	4.331	3.147 #
11) Endosulfa...	7.930	8.350	19063734	12549436	6.574	4.170 #
12) 4,4'-DDE	7.883	8.378	6969743	14367775	2.024	4.088 #
13) Dieldrin	8.100	8.559	29130086	17027145	9.184	5.177 #
14) Endrin	8.283	8.763	40760393	35539020	15.756	14.248
15) 4,4'-DDD	8.297	8.817	35877598	21013724	13.256	7.438 #
16) Endosulfa...	8.422	8.904	60329371	58691222	23.974	21.976
17) 4,4'-DDT	8.496	9.034	54725829	24178669	22.324	10.162 #
18) Endrin Al...	8.710	9.151	41808725	57570149	18.699	23.440 #
19) Endosulfa...	9.032	9.348	26230761	23641806	10.487	8.859
20) Methoxychlor	8.820	9.483	37692831	27749559	30.130	21.091 #
21) Endrin Ke...	9.221	9.773f	16366483	12236808	5.494	4.251
23) Hexachlor...	3.431f	3.780	6664	44195	0.002	0.011 #
24) Hexachlor...	6.064	6.516	43250	65857	0.013	0.018 #
25) Oxychlorane	7.555	7.988	9505663	7689779	3.447	2.616
26) 2,4'-DDE	7.633	8.166	4715098	9407517	2.110	4.047 #
27) trans-Non...	7.802	8.228f	13651040	13909851	4.295	4.136
28) 2,4'-DDD	8.021f	8.559	20823021	17027145	10.989	8.797
29) 2,4'-DDT	8.164	8.763	31442306	35539020	15.589	16.889

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222142.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:27  
 Operator : MJB  
 Sample : 1B22071-CALV  
 Misc : A20K264, TOX 1000 ppb  
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:29:09 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

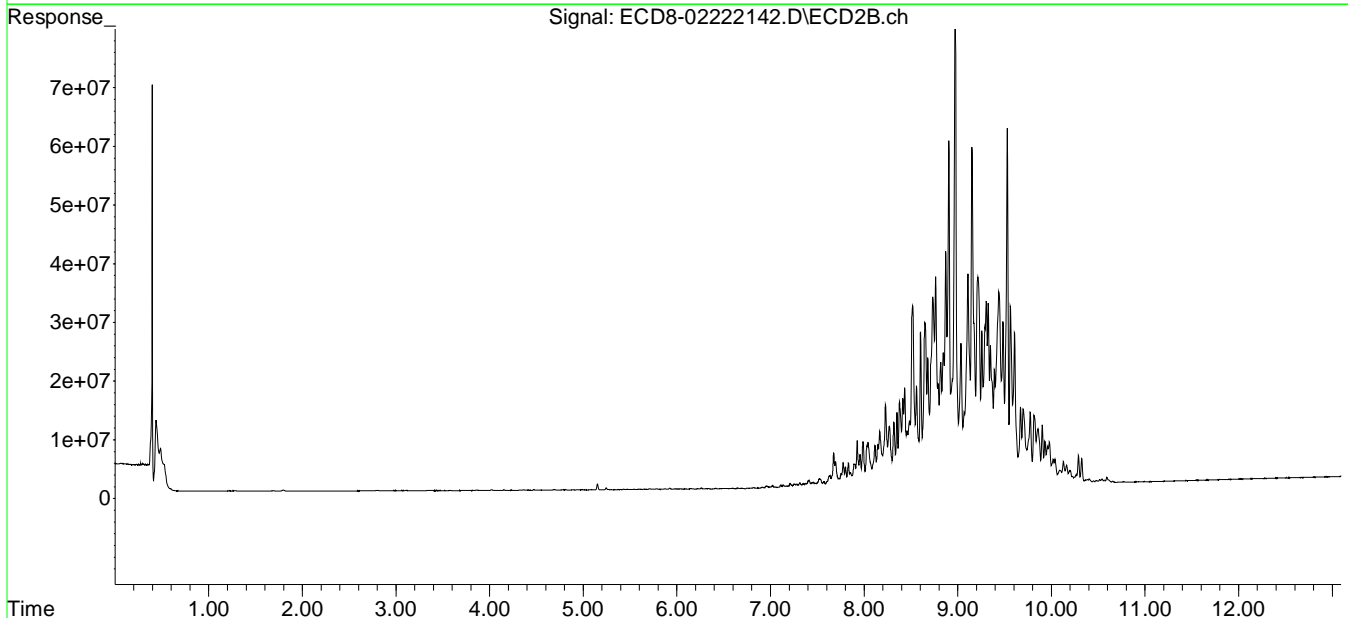
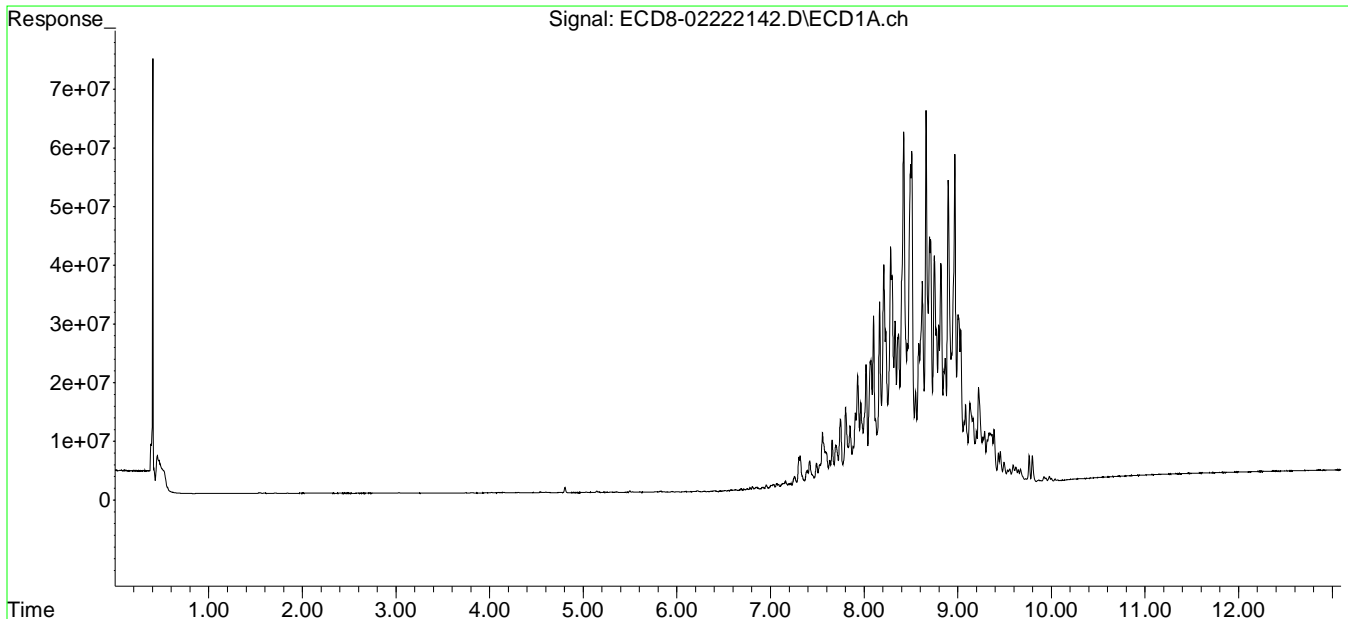
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.283	8.817	40760393	21013724	12.147	5.855 #
31)	Mirex	8.968	9.698f	56217871	12814284	28.196	6.397 #
32)	Chlordane...	7.699f	8.166	7308830	9407517	20.895	23.309
33)	Chlordane...	7.802	8.269f	13651040	10204274	39.270	30.246
34)	Chlordane...	8.366	8.973f	25879889	99263208	245.319	923.875 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.802	8.518	13651040	30688803	988.397	968.152
37)	Toxaphene...	8.100	8.871	29130086	39895889	986.320	1033.671
38)	Toxaphene...	8.422	8.904	60329371	58691222	1045.187	1016.169
39)	Toxaphene...	8.661	8.973	63797261	99263208	1011.356	1043.656
40)	Toxaphene...	8.897	9.151	51870061	57570149	1091.603	1026.461
41)	Toxaphene...	8.968	9.528	56217871	60678193	1043.557	1056.988
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-0222142.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 5:27  
Operator : MJB  
Sample : 1B22071-CALV  
Misc : A20K264, TOX 1000 ppb  
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:29:09 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222143.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:43  
 Operator : MJB  
 Sample : 1B22071-CALW  
 Misc : A20K259, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:29:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.055	60329	60469	0.019	0.018
22) S	DCBP (S)	9.918	10.588	1814882	1940280	0.616	0.952 #
Target Compounds							
2)	a-BHC	6.224	6.650	286286	254779	0.067	0.056
3)	g-BHC	6.514	6.956	300783	752699	0.083	0.193 #
4)	b-BHC	6.598	7.021	328123	879856	0.210	0.351 #
5)	Heptachlor	6.915	7.350	963683	1347522	0.281	0.365 #
6)	d-BHC	6.751	7.281	732480	1112470	0.217	0.298 #
7)	Aldrin	7.160	7.624	2669134	3258117	0.776	0.926
8)	Heptachlo...	7.633	8.041	8886811	14132898	2.818	4.271 #
9)	trans-Chl...	7.697f	8.165	13776290	18013296	4.276	5.343
10)	cis-Chlor...	7.801	8.265f	26160089	18775836	8.299	5.791 #
11)	Endosulfa...	7.929	8.350	36349701	23772335	12.535	7.898 #
12)	4,4'-DDE	7.882	8.378	13353043	27890027	3.878	7.935 #
13)	Dieldrin	8.098	8.558	54599876	32548761	17.213	9.896 #
14)	Endrin	8.281	8.762	77935050	70610227	30.126	27.731
15)	4,4'-DDD	8.281	8.816	77935050	40849273	28.795	14.458 #
16)	Endosulfa...	8.420	8.903	114.6E6	114.6E6	45.555	42.920
17)	4,4'-DDT	8.494	9.032	103.8E6	48542227	42.357	20.079 #
18)	Endrin Al...	8.709	9.150	80812377	115.5E6	36.883	47.035 #
19)	Endosulfa...	9.029	9.347	51576599	47584032	20.621	17.830
20)	Methoxychlor	8.818	9.482	73613330	56609277	58.843	43.026 #
21)	Endrin Ke...	9.219	9.771f	32496540	24887469	10.909	8.912
23)	Hexachlor...	3.461	3.771	74721	76070	0.021	0.019
24)	Hexachlor...	6.063	6.518	96187	116514	0.030	0.032
25)	Oxychlorane	7.554	7.987	17904755	14896064	6.493	5.067
26)	2,4'-DDE	7.633	8.165	8886811	18013296	3.976	7.749 #
27)	trans-Non...	7.801	8.265	26160089	18775836	8.231	5.583 #
28)	2,4'-DDD	8.020f	8.558	39315965	32548761	20.749	16.835
29)	2,4'-DDT	8.163	8.762	58452397	70610227	28.981	33.556

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222143.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:43  
 Operator : MJB  
 Sample : 1B22071-CALW  
 Misc : A20K259, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

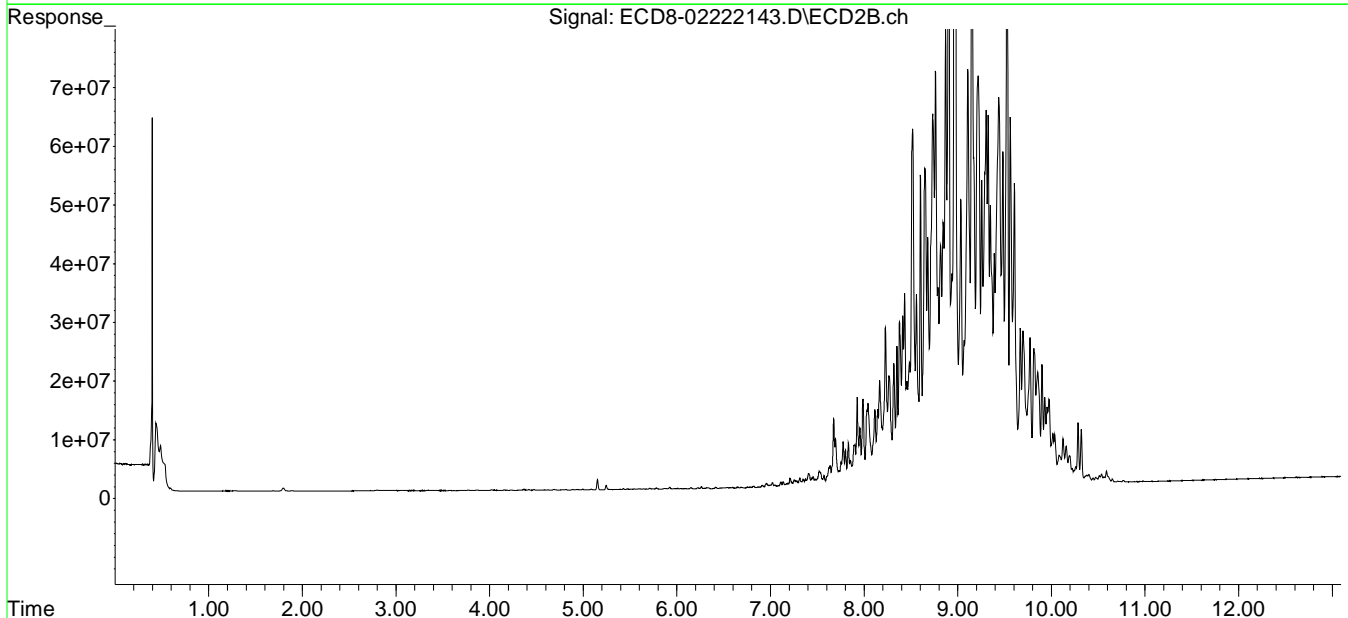
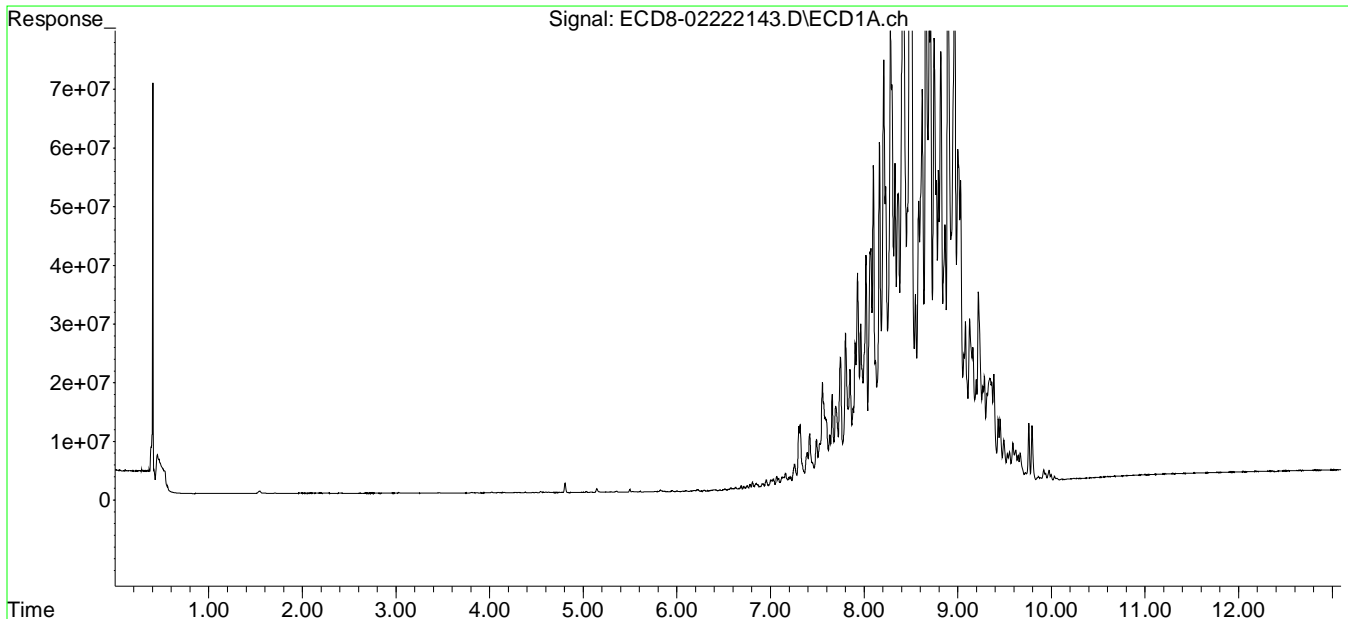
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:29:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.281	8.816	77935050	40849273	23.225	11.382	#
31)	Mirex	8.967	9.696f	108.3E6	26040082	54.570	13.375	#
32)	Chlordane...	7.697f	8.165	13776290	18013296	39.384	44.631	
33)	Chlordane...	7.801	8.265f	26160089	18775836	75.255	55.652	#
34)	Chlordane...	8.363	8.938	49530173	35935641	469.503	348.637	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.801	8.517	26160089	60754066	2048.276	1916.633	
37)	Toxaphene...	8.098	8.869	54599876	77657816	2043.811	2012.053	
38)	Toxaphene...	8.420	8.903	114.6E6	114.6E6	1986.042	1984.625	
39)	Toxaphene...	8.659	8.971	124.1E6	197.3E6	1967.801	1951.264	
40)	Toxaphene...	8.895	9.150	99913254	115.5E6	2102.669	1976.740	
41)	Toxaphene...	8.967	9.527	108.3E6	124.6E6	2011.130	2169.863	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-0222143.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:43  
 Operator : MJB  
 Sample : 1B22071-CALW  
 Misc : A20K259, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:29:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Sequence Name: C:\msdchem\1\sequence\1B22071.s

Comment: Pesticides

Operator: MJB

Data Path: C:\MSDCHEM\1\DATA\2021-02\1B22071\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run	Sequence Barcode Options
(X) Full Method	(X) On Mismatch, Inject Anyway
( ) Reprocessing Only	( ) On Mismatch, Don't Inject
	( ) Barcode Disabled

---

Line		Sample Name/Misc Info	
1)	Sample	52 Conditioning Run	
	Datafile	ECD8-02222101	
	Method	ECD8_AQUPEST_190925	
2)	Sample	52 Conditioning Run	MJB 2/23/21
	Datafile	ECD8-02222102	
	Method	ECD8_AQUPEST_190925	
3)	Sample	1 Hexane	
	Datafile	ECD8-02222103	
	Method	ECD8_AQUPEST_190925	
4)	Sample	2 1B22071-BKD1	
	Datafile	ECD8-02222104	
	Method	ECD8_AQUPEST_190925	
5)	Sample	3 1B22071-ICB1	
	Datafile	ECD8-02222105	
	Method	ECD8_AQUPEST_190925	
6)	Sample	4 1B22071-CAL1	
	Datafile	ECD8-02222106	
	Method	ECD8_AQUPEST_190925	
7)	Sample	5 1B22071-CAL2	
	Datafile	ECD8-02222107	
	Method	ECD8_AQUPEST_190925	
8)	Sample	6 1B22071-CAL3	
	Datafile	ECD8-02222108	
	Method	ECD8_AQUPEST_190925	
9)	Sample	7 1B22071-CAL4	
	Datafile	ECD8-02222109	
	Method	ECD8_AQUPEST_190925	
10)	Sample	8 1B22071-CAL5	
	Datafile	ECD8-02222110	
	Method	ECD8_AQUPEST_190925	
11)	Sample	9 1B22071-CAL6	
	Datafile	ECD8-02222111	
	Method	ECD8_AQUPEST_190925	
12)	Sample	10 1B22071-CAL7	
	Datafile	ECD8-02222112	
	Method	ECD8_AQUPEST_190925	
13)	Sample	11 1B22071-CAL8	
	Datafile	ECD8-02222113	
	Method	ECD8_AQUPEST_190925	
14)	Sample	12 1B22071-CAL9	

	Datafile		ECD8-02222114
	Method		ECD8_AQUPEST_190925
15)	Sample	1	1B22071-IBL1
	Datafile		ECD8-02222115
	Method		ECD8_AQUPEST_190925
16)	Sample	13	1B22071-ICV1
	Datafile		ECD8-02222116
	Method		ECD8_AQUPEST_190925
17)	Sample	14	1B22071-CALA
	Datafile		ECD8-02222117
	Method		ECD8_AQUPEST_190925
18)	Sample	15	1B22071-CALB
	Datafile		ECD8-02222118
	Method		ECD8_AQUPEST_190925
19)	Sample	16	1B22071-CALC
	Datafile		ECD8-02222119
	Method		ECD8_AQUPEST_190925
20)	Sample	17	1B22071-CALD
	Datafile		ECD8-02222120
	Method		ECD8_AQUPEST_190925
21)	Sample	18	1B22071-CALE
	Datafile		ECD8-02222121
	Method		ECD8_AQUPEST_190925
22)	Sample	19	1B22071-CALF
	Datafile		ECD8-02222122
	Method		ECD8_AQUPEST_190925
23)	Sample	20	1B22071-CALG
	Datafile		ECD8-02222123
	Method		ECD8_AQUPEST_190925
24)	Sample	21	1B22071-CALH
	Datafile		ECD8-02222124
	Method		ECD8_AQUPEST_190925
25)	Sample	22	1B22071-CALI
	Datafile		ECD8-02222125
	Method		ECD8_AQUPEST_190925
26)	Sample	1	1B22071-IBL2
	Datafile		ECD8-02222126
	Method		ECD8_AQUPEST_190925
27)	Sample	23	1B22071-ICV2
	Datafile		ECD8-02222127
	Method		ECD8_AQUPEST_190925
28)	Sample	24	1B22071-CALJ
	Datafile		ECD8-02222128
	Method		ECD8_AQUPEST_190925
29)	Sample	25	1B22071-CALK
	Datafile		ECD8-02222129
	Method		ECD8_AQUPEST_190925
30)	Sample	26	1B22071-CALL
	Datafile		ECD8-02222130
	Method		ECD8_AQUPEST_190925
31)	Sample	27	1B22071-CALM
	Datafile		ECD8-02222131
	Method		ECD8_AQUPEST_190925
32)	Sample	28	1B22071-CALN
	Datafile		ECD8-02222132
	Method		ECD8_AQUPEST_190925



33) Sample	29	1B22071-CALO
Datafile		ECD8-02222133
Method		ECD8_AQUPEST_190925
34) Sample	30	1B22071-CALP
Datafile		ECD8-02222134
Method		ECD8_AQUPEST_190925
35) Sample	1	1B22071-IBL3
Datafile		ECD8-02222135
Method		ECD8_AQUPEST_190925
36) Sample	31	1B22071-ICV3
Datafile		ECD8-02222136
Method		ECD8_AQUPEST_190925
37) Sample	32	1B22071-CALQ
Datafile		ECD8-02222137
Method		ECD8_AQUPEST_190925
38) Sample	33	1B22071-CALR
Datafile		ECD8-02222138
Method		ECD8_AQUPEST_190925
39) Sample	34	1B22071-CALS
Datafile		ECD8-02222139
Method		ECD8_AQUPEST_190925
40) Sample	35	1B22071-CALT
Datafile		ECD8-02222140
Method		ECD8_AQUPEST_190925
41) Sample	36	1B22071-CALU
Datafile		ECD8-02222141
Method		ECD8_AQUPEST_190925
42) Sample	37	1B22071-CALV
Datafile		ECD8-02222142
Method		ECD8_AQUPEST_190925
43) Sample	38	1B22071-CALW
Datafile		ECD8-02222143
Method		ECD8_AQUPEST_190925

Sequence Name: C:\msdchem\1\sequence\1B22071.s

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	1	1B22071-IBL4		
	Datafile		ECD8-02222144		
	Method		ECD8_AQUPEST_190925		
45)	Sample	39	1B22071-ICV4		
	Datafile		ECD8-02222145		
	Method		ECD8_AQUPEST_190925		
46)	Sample	1	Hexane		
	Datafile		ECD8-02222146		
	Method		ECD8_AQUPEST_190925		
47)	Sample	1	Hexane		
	Datafile		ECD8-02222147		
	Method		ECD8_AQUPEST_190925		
48)	Sample	2	<del>1B22071-BKD2</del> 1B25056-BKD1		
	Datafile		ECD8-02222148		
	Method		ECD8_AQUPEST_190925		
49)	Sample	3	<del>1B22071-ICB2</del> 1B25056-ICB1		
	Datafile		ECD8-02222149		
	Method		ECD8_AQUPEST_190925		
50)	Sample	4	<del>1B22071-CALX</del> 1B25056-CAL1		
	Datafile		ECD8-02222150		
	Method		ECD8_AQUPEST_190925		
51)	Sample	5	<del>1B22071-CALY</del> 1B25056-CAL2		
	Datafile		ECD8-02222151		
	Method		ECD8_AQUPEST_190925		
52)	Sample	6	<del>1B22071-CALZ</del> 1B25056-CAL3		
	Datafile		ECD8-02222152		
	Method		ECD8_AQUPEST_190925		
53)	Sample	7	<del>1B22071-CALAA</del> 1B25056-CAL4		
	Datafile		ECD8-02222153		
	Method		ECD8_AQUPEST_190925		
54)	Sample	8	<del>1B22071-CALAB</del> 1B25056-CAL5		
	Datafile		ECD8-02222154		
	Method		ECD8_AQUPEST_190925		

Sequence exceeded the number of calibration points allowed by element. Sequence 1B25056 was created to enter data into calibration.

Pesticide BKD

**Pesticide Breakdown Check (Validated 8/8/2013)**

Sequence: 1B22071 BKD1  
Data File: ECD8-02222104.D

MJB 2/23/21

First Column Area Counts		Percent Breakdown	
DDE	17813351		
DDD	39586562		
DDT	2200600938	<b>2.54</b>	<b>PASS</b>
Endrin	1250906289	<b>10.28</b>	<b>PASS</b>
Endrin Aldehyde	61047206		
Endrin Ketone	82303304		

Second Column Area Counts		Percent Breakdown	
DDE	14683914		
DDD	44027639		
DDT	2358952354	<b>2.43</b>	<b>PASS</b>
Endrin	1233524118	<b>10.00</b>	<b>PASS</b>
Endrin Aldehyde	56186164		
Endrin Ketone	80880844		

*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.*

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222104.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:10  
 Operator : MJB  
 Sample : 1B22071-BKD1  
 Misc : A20K279  
 ALS Vial : 2 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 22 19:26:12 2021  
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222.M  
 Quant Title : Pesticides  
 QLast Update : Fri Nov 09 13:28:51 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units
-----				
Target Compounds				
1) 4,4'-DDE	7.870	17813351	NoCal	ng/mL
2) Endrin	8.271	1250906289	NoCal	ng/mL
3) 4,4'-DDD	8.303	39586562	NoCal	ng/mL
4) 4,4'-DDT	8.500	2200600938	NoCal	ng/mL
5) Endrin Aldehyde	8.731	61047206	NoCal	ng/mL
6) Endrin Ketone	9.242	82303304	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.391	14683914	NoCal	ng/mL
9) Endrin [2C]	8.768	1233524118	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.807	44027639	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.151	56186164	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.034	2358952354	NoCal	ng/mL
13) Endrin Ketone [2C]	9.743	80880844	NoCal	ng/mL
-----				

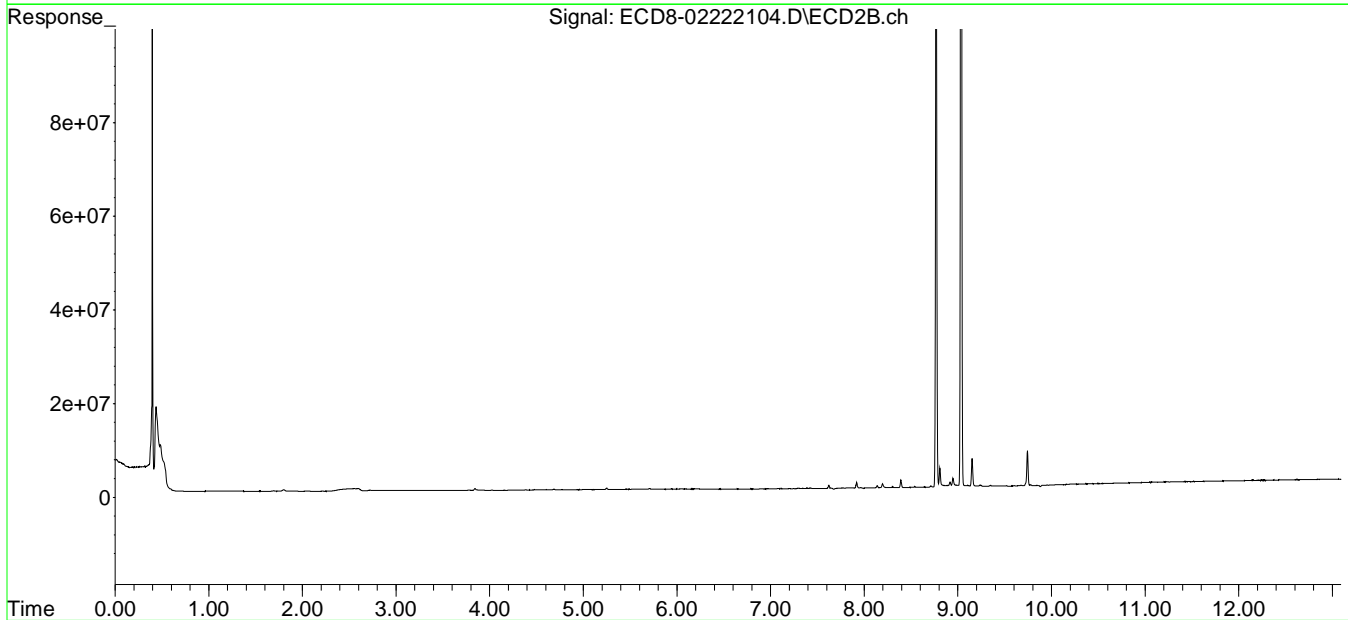
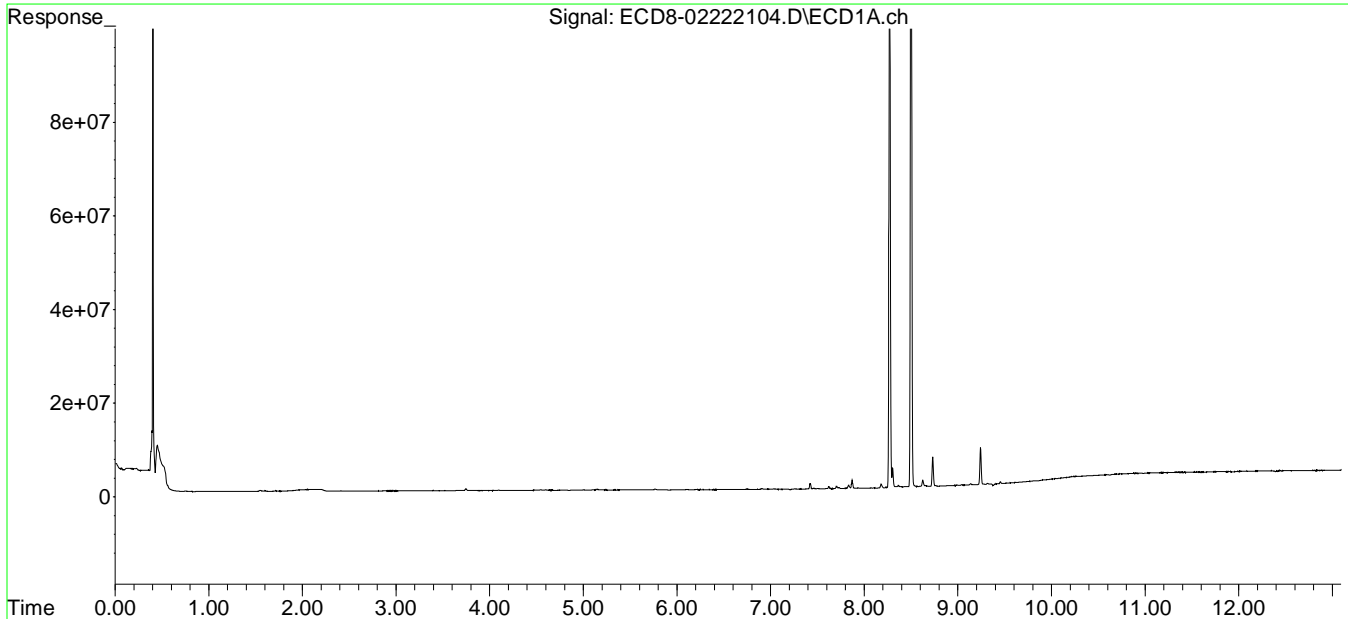
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222104.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 19:10  
Operator : MJB  
Sample : 1B22071-BKD1  
Misc : A20K279  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 22 19:26:12 2021  
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222.M  
Quant Title : Pesticides  
QLast Update : Fri Nov 09 13:28:51 2018  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222106.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:43  
 Operator : MJB  
 Sample : 1B22071-CAL1  
 Misc : A21B425, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

NR. Standard contaminated with  
 trace levels of pesticide standard.  
 Standard remade and re-analyzed.

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:56:03 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.677	6.056	2157058	2193990	0.603	0.579
22) S DCBP (S)	9.910	10.605	2028080	1466134	0.268	0.378 #
Target Compounds						
2) a-BHC	6.230	6.653	3015174	2909048	0.662	0.603
3) g-BHC	6.517	6.969	2742293	2728101	0.685	0.647
4) b-BHC	6.604	7.037	1441633	1731603	0.814	0.910
5) Heptachlor	6.915	7.342	2525965	2649249	0.619	0.629
6) d-BHC	6.756	7.285	3057537	3359689	0.801	0.837
7) Aldrin	7.157	7.607	2439563	2405618	0.643	0.621
8) Heptachlo...	7.631	8.045	2448898	2493612	0.696	0.690
9) trans-Chl...	7.723	8.185	2418577	2656113	0.681	0.714
10) cis-Chlor...	7.821	8.292	2519566	2453540	0.570	0.698
11) Endosulfa...	7.926	8.342	2228626	2274874	0.687	0.693
12) 4,4'-DDE	7.870	8.390	2498144	2384170	0.697	0.667
13) Dieldrin	8.099	8.542	2324420	2354318	0.643	0.644
14) Endrin	8.270	8.767	1954216	1888665	0.786	0.800
15) 4,4'-DDD	8.303	8.807	2032360	2064642	0.690	0.699
16) Endosulfa...	8.433	8.915	2057978	2139716	0.713	0.749
17) 4,4'-DDT	8.499	9.034	1744323	1781539	0.627	0.694
18) Endrin Al...	8.731	9.151	3352108	3370941	0.910	1.007
19) Endosulfa...	9.039	9.346	2201001	2404494	0.794	0.860
20) Methoxychlor	8.831	9.502	1055697	1137145	0.615	0.785 #
21) Endrin Ke...	9.240	9.742	2564077	2388597	0.715	0.461 #
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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222106.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:43  
 Operator : MJB  
 Sample : 1B22071-CAL1  
 Misc : A21B425, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

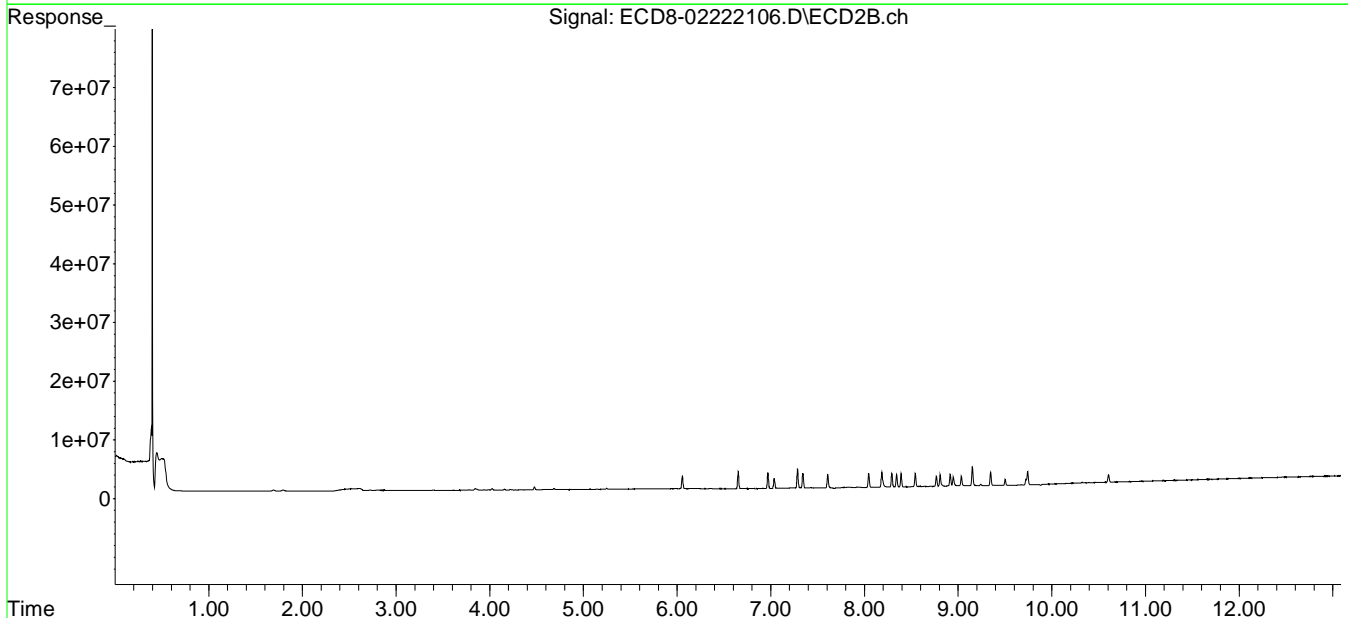
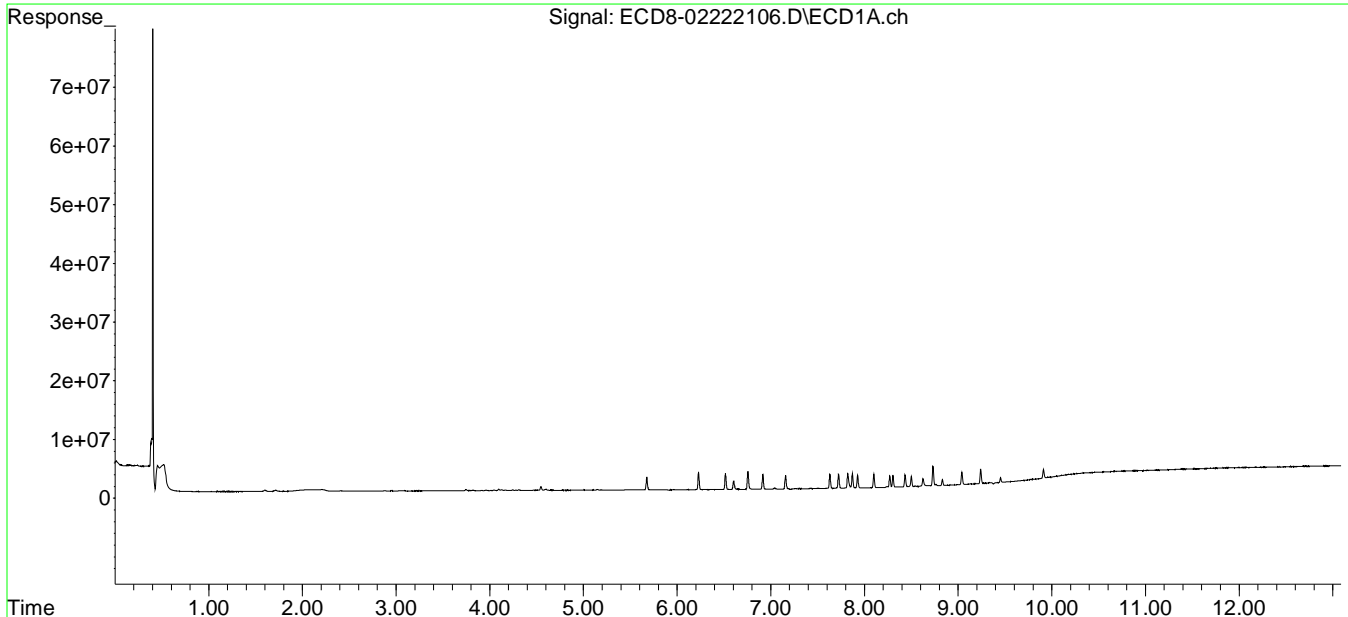
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:56:03 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222106.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 19:43  
Operator : MJB  
Sample : 1B22071-CAL1  
Misc : A21B425, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:56:03 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222107.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:59  
 Operator : MJB  
 Sample : 1B22071-CAL2  
 Misc : A21B426, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

NR. Standard contaminated with  
 trace levels of pesticide standard.  
 Standard remade and re-analyzed.

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:57:05 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.055	3557008	3499440	0.995	0.923
22) S DCBP (S)	9.911	10.606	3010637	2202032	0.669	0.728
Target Compounds						
2) a-BHC	6.229	6.651	4524588	4465816	0.993	0.926
3) g-BHC	6.515	6.967	3981054	3999044	0.994	0.948
4) b-BHC	6.602	7.035	1945024	2329702	1.098	1.224
5) Heptachlor	6.914	7.341	3771948	3814864	0.924	0.906
6) d-BHC	6.755	7.285	4126816	4510547	1.082	1.124
7) Aldrin	7.157	7.607	3668908	3514589	0.967	0.907
8) Heptachlo...	7.630	8.043	3537817	3565555	1.005	0.987
9) trans-Chl...	7.723	8.184	3627492	3635757	1.021	0.978
10) cis-Chlor...	7.821	8.291	3644419	3570510	0.912	1.016
11) Endosulfa...	7.925	8.342	3252069	3237284	1.003	0.986
12) 4,4'-DDE	7.870	8.391	3647024	3480810	1.017	0.974
13) Dieldrin	8.099	8.542	3479456	3488681	0.962	0.954
14) Endrin	8.270	8.768	2877828	2649563	1.158	1.122
15) 4,4'-DDD	8.304	8.807	2893032	2959498	0.982	1.002
16) Endosulfa...	8.433	8.915	2974951	2975089	1.030	1.041
17) 4,4'-DDT	8.500	9.034	2507324	2491202	0.901	0.992
18) Endrin Al...	8.731	9.150	4497905	4390433	1.298	1.375
19) Endosulfa...	9.039	9.346	3181615	3182152	1.148	1.139
20) Methoxychlor	8.831	9.501	1530989	1544673	0.982	1.132
21) Endrin Ke...	9.240	9.743	3574099	3415568	0.996	0.797
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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222107.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 19:59  
 Operator : MJB  
 Sample : 1B22071-CAL2  
 Misc : A21B426, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:57:05 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

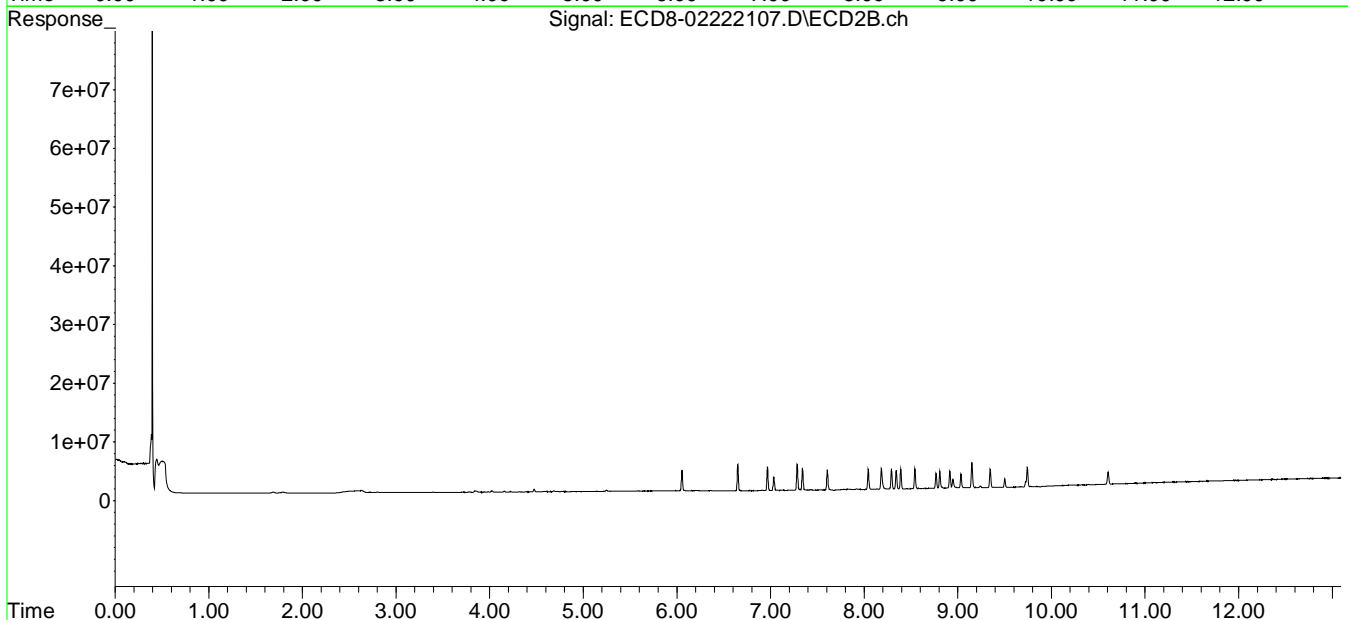
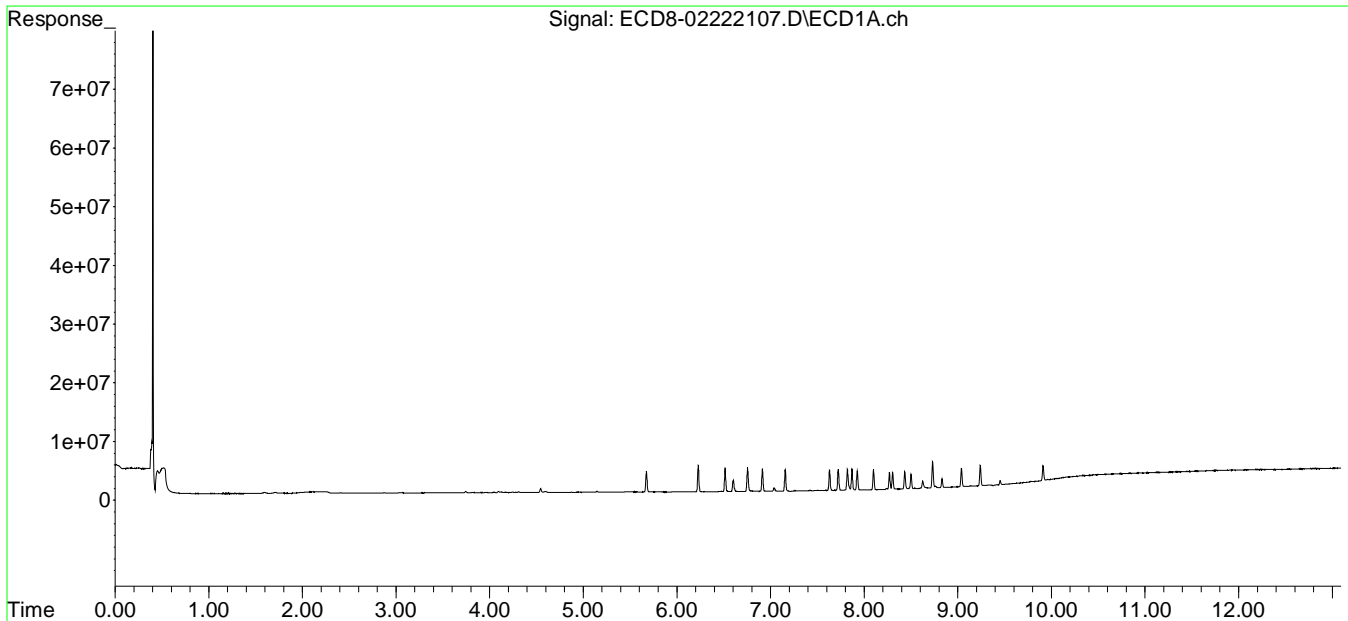
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222107.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 19:59  
Operator : MJB  
Sample : 1B22071-CAL2  
Misc : A21B426, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:57:05 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222108.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:15  
 Operator : MJB  
 Sample : 1B22071-CAL3  
 Misc : A21B419, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:57:44 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	6570939	6476248	1.838	1.709
22) S DCBP (S)	9.909	10.605	4862674	3921756	1.425	1.545
Target Compounds						
2) a-BHC	6.228	6.651	8442991	8025686	1.854	1.664
3) g-BHC	6.515	6.967	7260697	7148210	1.814	1.694
4) b-BHC	6.600	7.034	3112810	3590924	1.757	1.886
5) Heptachlor	6.913	7.341	6812233	6718725	1.668	1.596
6) d-BHC	6.753	7.284	6559848	7153543	1.719	1.783
7) Aldrin	7.157	7.606	6841306	6503333	1.804	1.678
8) Heptachlo...	7.629	8.043	6334810	6156133	1.800	1.705
9) trans-Chl...	7.722	8.183	6514292	6467548	1.834	1.739
10) cis-Chlor...	7.819	8.291	6429067	6347411	1.756	1.806
11) Endosulfa...	7.925	8.341	5927379	5667008	1.828	1.726
12) 4,4'-DDE	7.869	8.390	6574372	6353008	1.834	1.778
13) Dieldrin	8.098	8.541	6386459	6082740	1.767	1.664
14) Endrin	8.269	8.766	5184256	4710797	2.086	1.995
15) 4,4'-DDD	8.302	8.807	5204597	5215526	1.767	1.766
16) Endosulfa...	8.432	8.914	5015784	5106823	1.737	1.787
17) 4,4'-DDT	8.499	9.033	4659787	4402871	1.674	1.790
18) Endrin Al...	8.729	9.151	7072015	6805826	2.172	2.247
19) Endosulfa...	9.038	9.347	5137902	5262376	1.853	1.883
20) Methoxychlor	8.830	9.502	2635891	2619141	1.836	2.045
21) Endrin Ke...	9.240	9.742	6080574	5714398	1.695	1.549
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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222108.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:15  
 Operator : MJB  
 Sample : 1B22071-CAL3  
 Misc : A21B419, AB 2 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:57:44 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

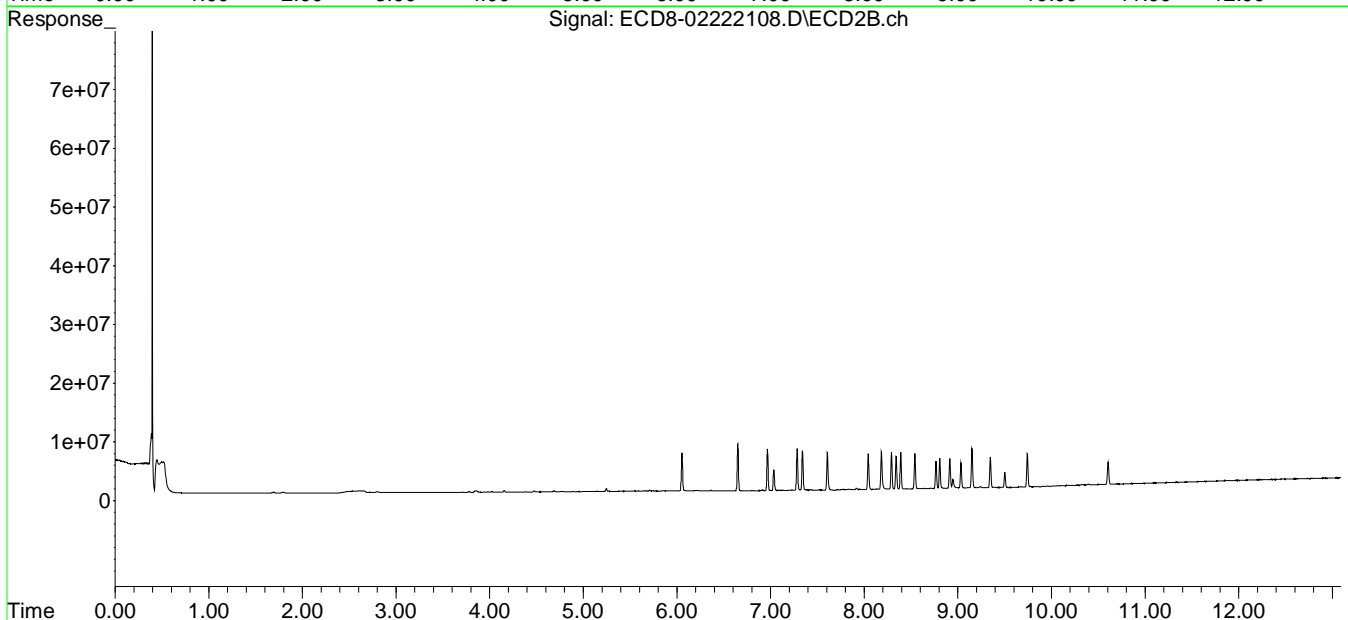
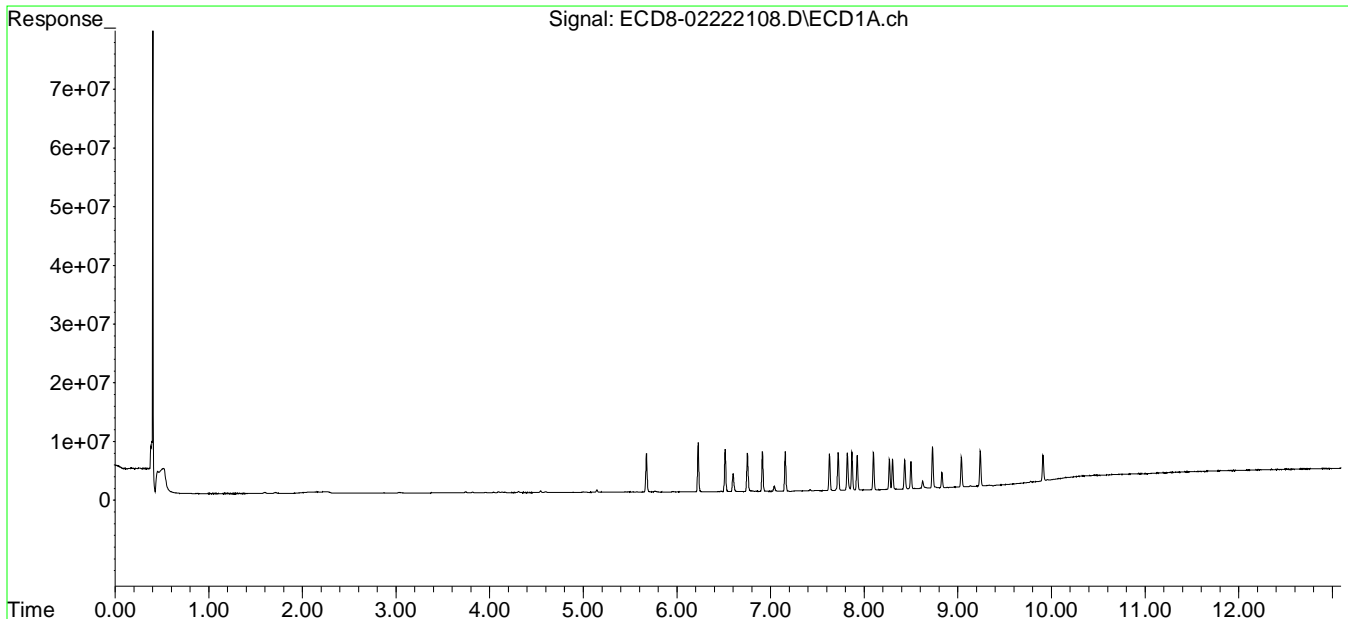
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222108.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 20:15  
Operator : MJB  
Sample : 1B22071-CAL3  
Misc : A21B419, AB 2 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:57:44 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222109.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:32  
 Operator : MJB  
 Sample : 1B22071-CAL4  
 Misc : A21B420, AB 5 ppb  
 ALS Vial : 7 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:58:19 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.055	15956650	15775417	4.464	4.162
22) S DCBP (S)	9.911	10.606	9937318	8113103	3.500	3.533
Target Compounds						
2) a-BHC	6.228	6.651	21294746	21185744	4.675	4.393
3) g-BHC	6.516	6.968	17955161	18168209	4.485	4.306
4) b-BHC	6.598	7.033	7300772	8296777	4.121	4.358
5) Heptachlor	6.914	7.341	17248899	17480400	4.225	4.153
6) d-BHC	6.751	7.283	15951976	18013423	4.181	4.489
7) Aldrin	7.157	7.607	17219259	16498521	4.541	4.257
8) Heptachlo...	7.630	8.043	15222719	15245553	4.325	4.221
9) trans-Chl...	7.722	8.183	15604535	15559475	4.394	4.184
10) cis-Chlor...	7.820	8.291	15661447	14797422	4.558	4.210
11) Endosulfa...	7.926	8.341	13858786	13716981	4.273	4.178
12) 4,4'-DDE	7.870	8.391	16143492	16140360	4.504	4.516
13) Dieldrin	8.099	8.541	15725240	15123728	4.350	4.138
14) Endrin	8.270	8.767	12848627	12074035	5.169	5.113
15) 4,4'-DDD	8.303	8.807	12971826	12553517	4.404	4.250
16) Endosulfa...	8.432	8.915	12281197	12105322	4.254	4.236
17) 4,4'-DDT	8.500	9.034	11508534	11378648	4.135	4.680
18) Endrin Al...	8.730	9.152	11839116	12005526	3.791	4.121
19) Endosulfa...	9.039	9.347	11640588	11924025	4.199	4.267
20) Methoxychlor	8.832	9.502	6142820	6073400	4.541	4.963
21) Endrin Ke...	9.241	9.742	14042881	13246351	3.914	3.997
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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222109.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:32  
 Operator : MJB  
 Sample : 1B22071-CAL4  
 Misc : A21B420, AB 5 ppb  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:58:19 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

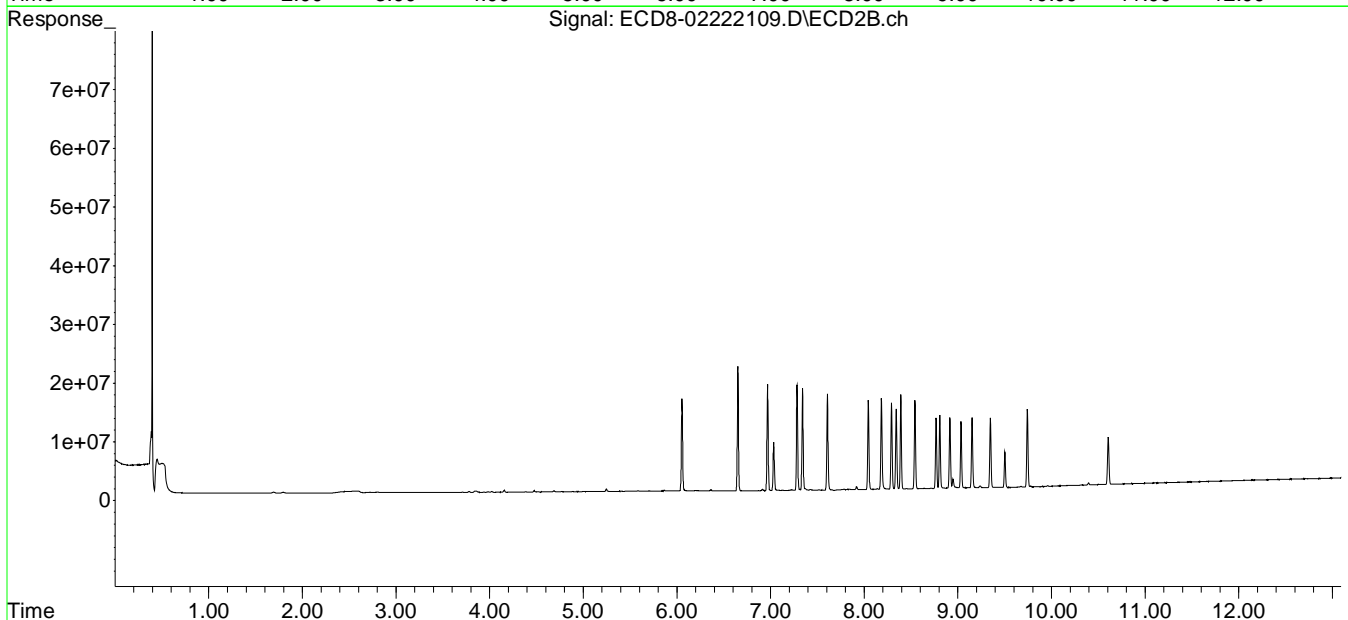
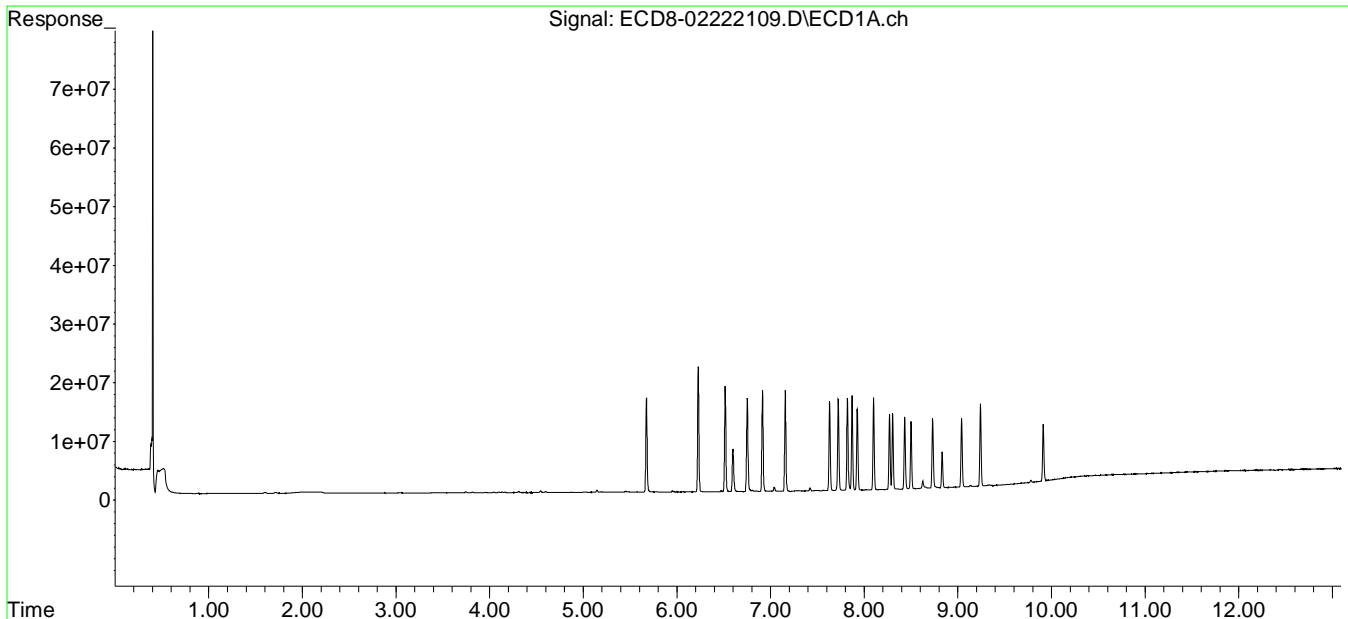
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222109.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 20:32  
Operator : MJB  
Sample : 1B22071-CAL4  
Misc : A21B420, AB 5 ppb  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:58:19 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:48  
 Operator : MJB  
 Sample : 1B22071-CAL5  
 Misc : A21B421, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:58:49 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	32046824	32628643	8.965	8.609
22) S DCBP (S)	9.909	10.604	20647986	17285054	7.888	7.867
Target Compounds						
2) a-BHC	6.228	6.651	43143303	44456771	9.472	9.218
3) g-BHC	6.515	6.967	37343018	38170370	9.328	9.046
4) b-BHC	6.595	7.032	14638560	16462393	8.264	8.648
5) Heptachlor	6.913	7.341	35009888	35973205	8.574	8.547
6) d-BHC	6.748	7.282	32868480	35952679	8.614	8.960
7) Aldrin	7.156	7.606	35394818	34372238	9.333	8.869
8) Heptachlo...	7.628	8.042	30842913	30888154	8.762	8.553
9) trans-Chl...	7.721	8.182	31887397	32355079	8.979	8.700
10) cis-Chlor...	7.819	8.290	31586341	30155924	9.393	8.579
11) Endosulfa...	7.923	8.341	28705228	28389335	8.851	8.648
12) 4,4'-DDE	7.868	8.390	34390588	33797259	9.594	9.457
13) Dieldrin	8.098	8.540	32579699	31818967	9.012	8.706
14) Endrin	8.268	8.766	26998463	25358817	10.862	10.739
15) 4,4'-DDD	8.302	8.806	26917371	27028607	9.138	9.152
16) Endosulfa...	8.431	8.913	25113069	25269317	8.698	8.842
17) 4,4'-DDT	8.498	9.033	24352811	23928513	8.749	9.782
18) Endrin Al...	8.729	9.149	23895451	23767692	7.892	8.344
19) Endosulfa...	9.037	9.345	25307369	25574107	9.129	9.151
20) Methoxychlor	8.830	9.501	12583336	12528445	9.489	10.347
21) Endrin Ke...	9.238	9.742	29315337	28944529	8.172	9.035
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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222110.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 20:48  
 Operator : MJB  
 Sample : 1B22071-CAL5  
 Misc : A21B421, AB 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

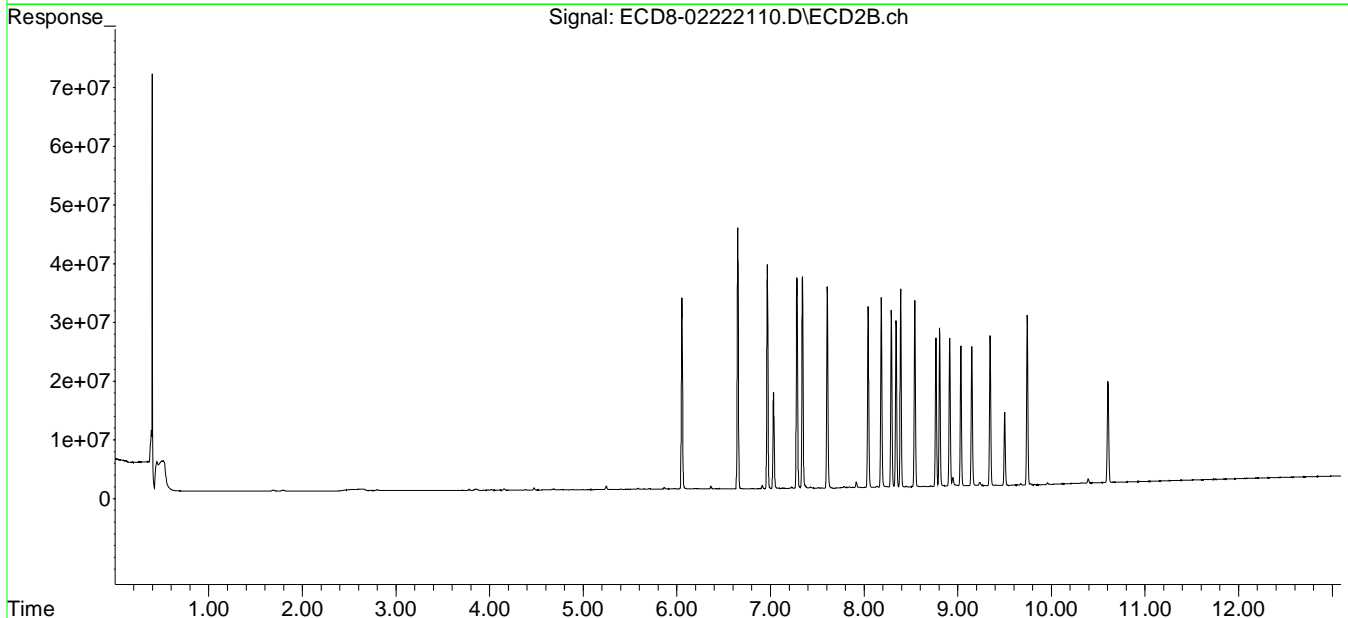
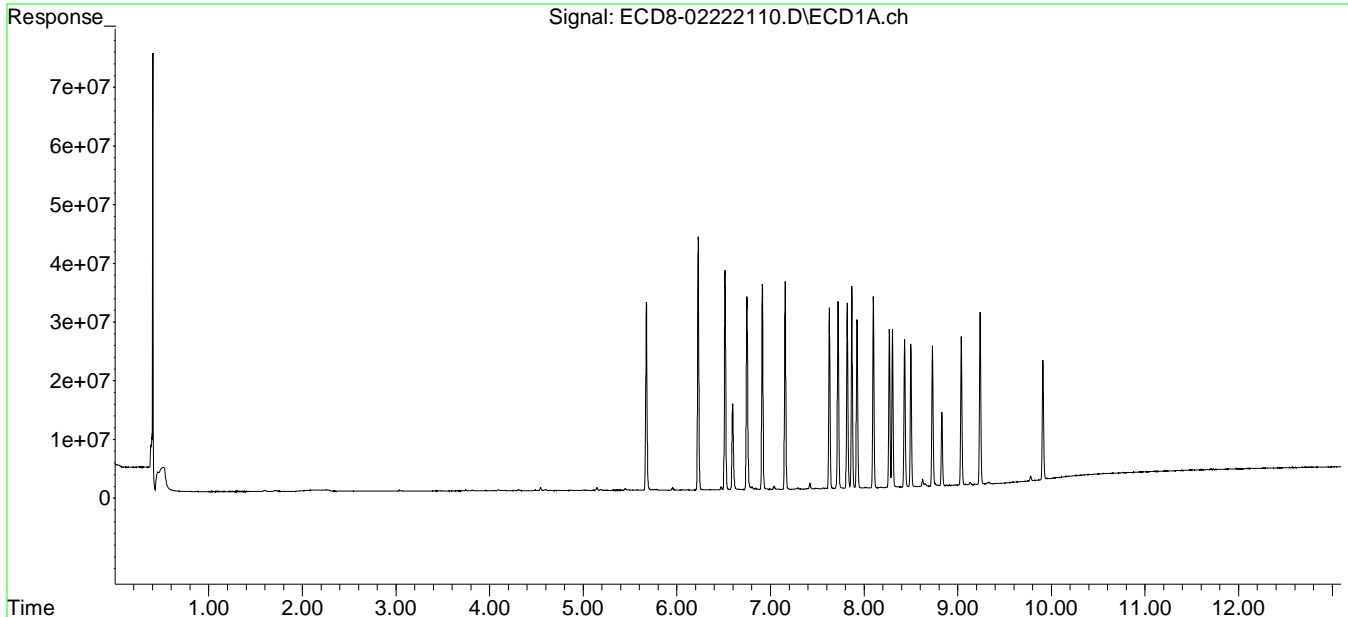
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:58:49 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222110.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 20:48  
Operator : MJB  
Sample : 1B22071-CAL5  
Misc : A21B421, AB 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:58:49 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:04  
 Operator : MJB  
 Sample : 1B22071-CAL6  
 Misc : A21B422, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:59:21 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.055	79601464	82748070	22.269	21.834
22) S DCBP (S)	9.910	10.604	51000883	45609398	20.384	21.112
Target Compounds						
2) a-BHC	6.228	6.652	105.6E6	115.0E6	23.176	23.851
3) g-BHC	6.515	6.967	91714097	98036924	22.910	23.234
4) b-BHC	6.595	7.032	36694118	41509006	20.715	21.805
5) Heptachlor	6.913	7.341	82719992	86180505	20.259	20.476
6) d-BHC	6.748	7.281	84216794	96705403	22.071	24.102
7) Aldrin	7.156	7.606	88186562	90509030	23.254	23.355
8) Heptachlo...	7.628	8.043	74668510	80397137	21.212	22.262
9) trans-Chl...	7.721	8.182	79563152	81637426	22.405	21.950
10) cis-Chlor...	7.819	8.290	76937788	79679491	23.175	22.668
11) Endosulfa...	7.924	8.341	69955426	75495061	21.570	22.997
12) 4,4'-DDE	7.868	8.390	84634913	88561906	23.611	24.781
13) Dieldrin	8.098	8.541	78956370	83779771	21.839	22.922
14) Endrin	8.268	8.767	63883003	64065205	25.702	27.129
15) 4,4'-DDD	8.301	8.807	66911718	70350878	22.716	23.820
16) Endosulfa...	8.430	8.913	62928659	67368331	21.796	23.572
17) 4,4'-DDT	8.498	9.033	61132249	63353142	21.963	25.093
18) Endrin Al...	8.729	9.150	57480633	59361559	19.363	20.991
19) Endosulfa...	9.038	9.345	61879247	64840847	22.320	23.202
20) Methoxychlor	8.830	9.501	31016403	31169875	23.511	25.430
21) Endrin Ke...	9.239	9.741	73664687	75563273	20.534	23.517
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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222111.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:04  
 Operator : MJB  
 Sample : 1B22071-CAL6  
 Misc : A21B422, AB 25 ppb  
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:59:21 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

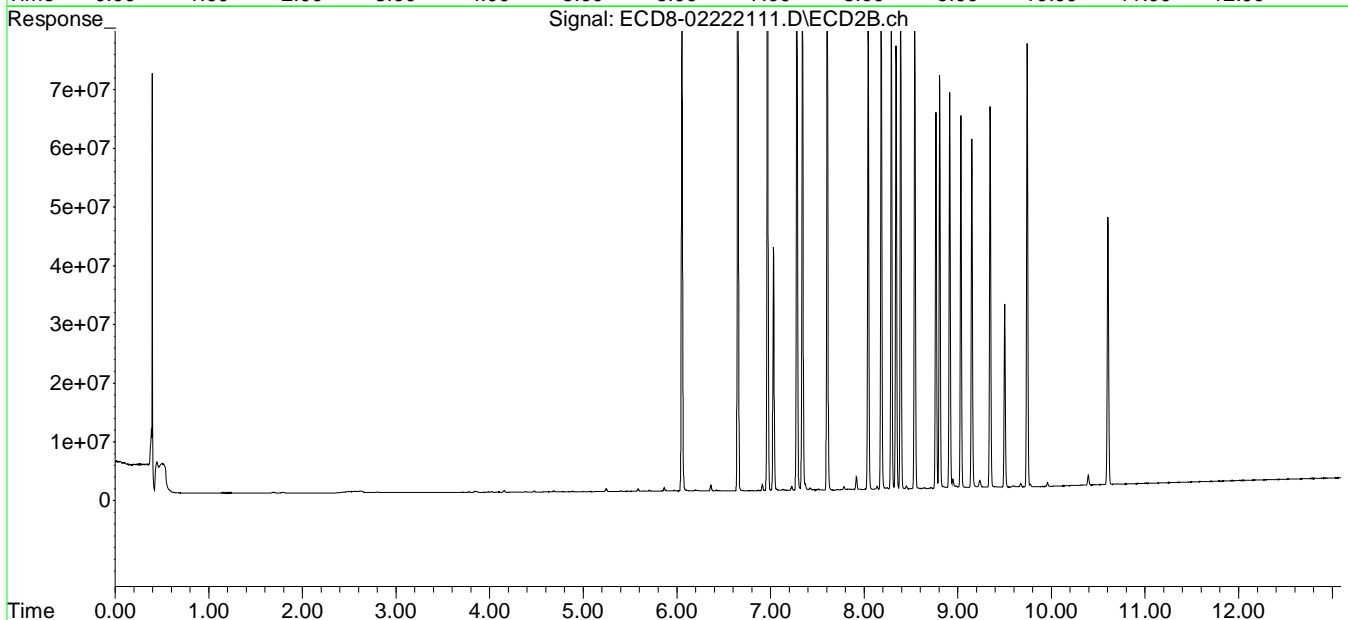
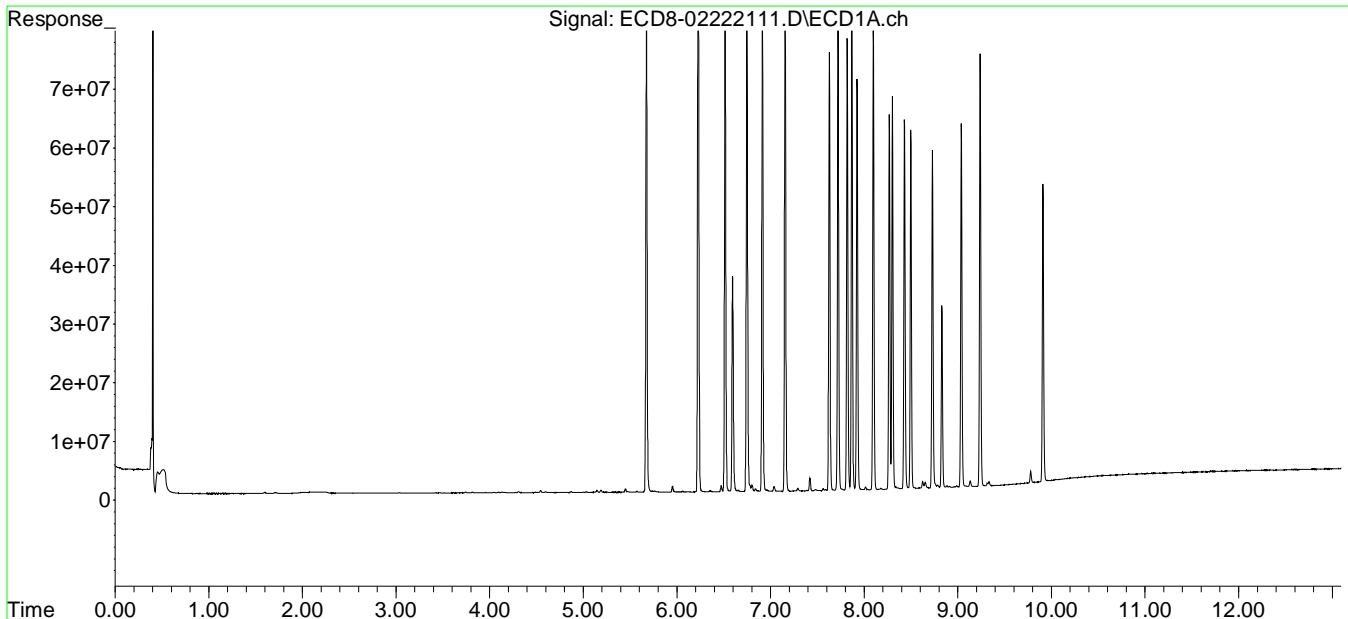
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222111.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 21:04  
Operator : MJB  
Sample : 1B22071-CAL6  
Misc : A21B422, AB 25 ppb  
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:59:21 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:20  
 Operator : MJB  
 Sample : 1B22071-CAL7  
 Misc : A21B423, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:48:30 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Jan 26 11:57:54 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	153.4E6	168.1E6	42.922	44.344
22) S DCBP (S)	9.909	10.605	94459682	85774479	38.438	39.552
Target Compounds						
2) a-BHC	6.228	6.651	207.4E6	238.2E6	45.541	49.389
3) g-BHC	6.515	6.967	182.6E6	199.3E6	45.612	47.233
4) b-BHC	6.593	7.031	76306231	84844717	43.077	44.570
5) Heptachlor	6.913	7.341	168.7E6	187.3E6	41.307	44.512
6) d-BHC	6.746	7.281	176.9E6	202.8E6	46.372	50.545
7) Aldrin	7.156	7.606	175.8E6	183.7E6	46.353	47.403
8) Heptachlo...	7.627	8.041	152.1E6	163.7E6	43.196	45.328
9) trans-Chl...	7.720	8.181	155.9E6	169.4E6	43.909	45.553
10) cis-Chlor...	7.817	8.289	148.5E6	157.1E6	44.957	44.701
11) Endosulfa...	7.922	8.340	139.4E6	150.6E6	42.990	45.884
12) 4,4'-DDE	7.867	8.389	168.1E6	180.1E6	46.905	50.384
13) Dieldrin	8.096	8.540	156.4E6	171.0E6	43.267	46.792
14) Endrin	8.268	8.765	132.7E6	136.7E6	53.403	57.892
15) 4,4'-DDD	8.300	8.805	132.8E6	148.6E6	45.071	50.304
16) Endosulfa...	8.429	8.912	127.3E6	134.5E6	44.104	47.052
17) 4,4'-DDT	8.497	9.031	126.4E6	134.2E6	45.410	50.370
18) Endrin Al...	8.727	9.148	111.0E6	118.2E6	37.788	41.491
19) Endosulfa...	9.035	9.344	122.6E6	134.5E6	44.240	48.132
20) Methoxychlor	8.828	9.500	62642760	66364315	47.111	52.255
21) Endrin Ke...	9.237	9.741	143.0E6	151.1E6	39.847	45.654
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



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222112.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:20  
 Operator : MJB  
 Sample : 1B22071-CAL7  
 Misc : A21B423, AB 50 ppb  
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:48:30 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Jan 26 11:57:54 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

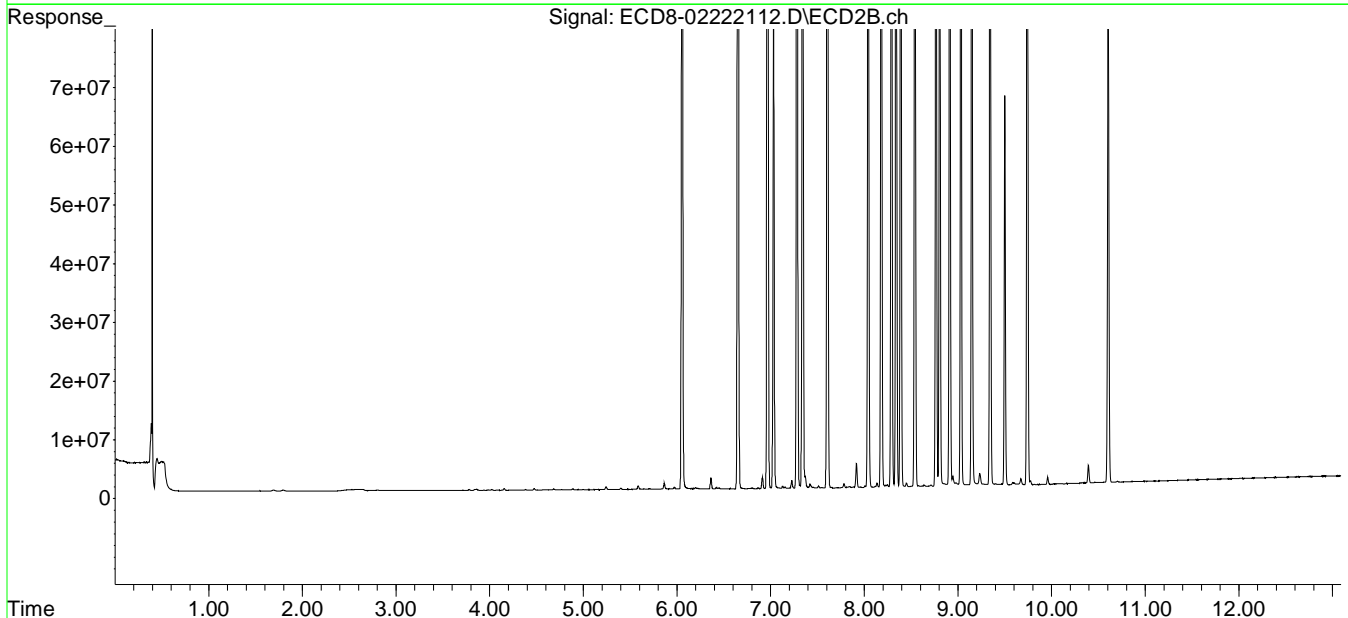
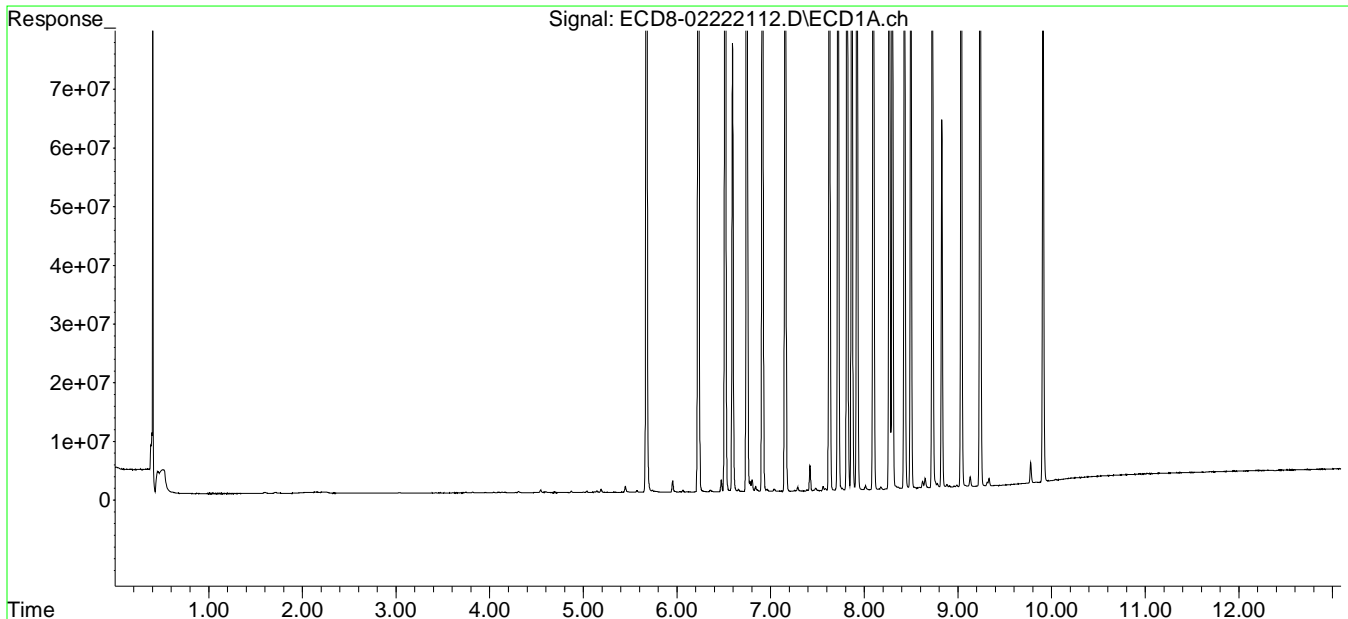
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222112.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 21:20  
Operator : MJB  
Sample : 1B22071-CAL7  
Misc : A21B423, AB 50 ppb  
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:48:30 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Jan 26 11:57:54 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:37  
 Operator : MJB  
 Sample : 1B22071-CAL8  
 Misc : A21B424, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:59:56 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.055	315.8E6	358.1E6	88.341	94.495
22) S DCBP (S)	9.913	10.608	199.2E6	181.9E6	82.753	82.181
Target Compounds						
2) a-BHC	6.228	6.651	437.9E6	508.7E6	96.126	105.487
3) g-BHC	6.515	6.968	381.3E6	433.4E6	95.252	102.713
4) b-BHC	6.594	7.031	156.4E6	180.6E6	88.315	94.846
5) Heptachlor	6.914	7.341	354.0E6	409.3E6	86.696	97.256
6) d-BHC	6.747	7.281	372.4E6	436.1E6	97.586	108.686
7) Aldrin	7.157	7.606	354.2E6	391.1E6	93.386	100.927
8) Heptachlo...	7.629	8.043	313.0E6	357.7E6	88.909	99.052
9) trans-Chl...	7.721	8.183	326.1E6	357.5E6	91.821	96.125
10) cis-Chlor...	7.819	8.291	309.8E6	341.6E6	94.271	97.183
11) Endosulfa...	7.925	8.341	289.1E6	319.9E6	89.127	97.459
12) 4,4'-DDE	7.869	8.390	338.2E6	384.6E6	94.347	107.620
13) Dieldrin	8.099	8.541	316.4E6	359.7E6	87.512	98.423
14) Endrin	8.270	8.767	274.9E6	304.5E6	110.613	128.948
15) 4,4'-DDD	8.302	8.807	270.3E6	306.3E6	91.750	103.712
16) Endosulfa...	8.431	8.914	256.4E6	291.5E6	88.812	102.001
17) 4,4'-DDT	8.499	9.034	270.6E6	301.9E6	97.214	102.102
18) Endrin Al...	8.730	9.151	229.6E6	251.2E6	79.315	86.059
19) Endosulfa...	9.039	9.347	250.7E6	286.0E6	90.419	102.334
20) Methoxychlor	8.831	9.502	126.8E6	146.2E6	93.322	106.924
21) Endrin Ke...	9.241	9.743	297.0E6	324.8E6	82.790	91.702
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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222113.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:37  
 Operator : MJB  
 Sample : 1B22071-CAL8  
 Misc : A21B424, AB 100 ppb  
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:59:56 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

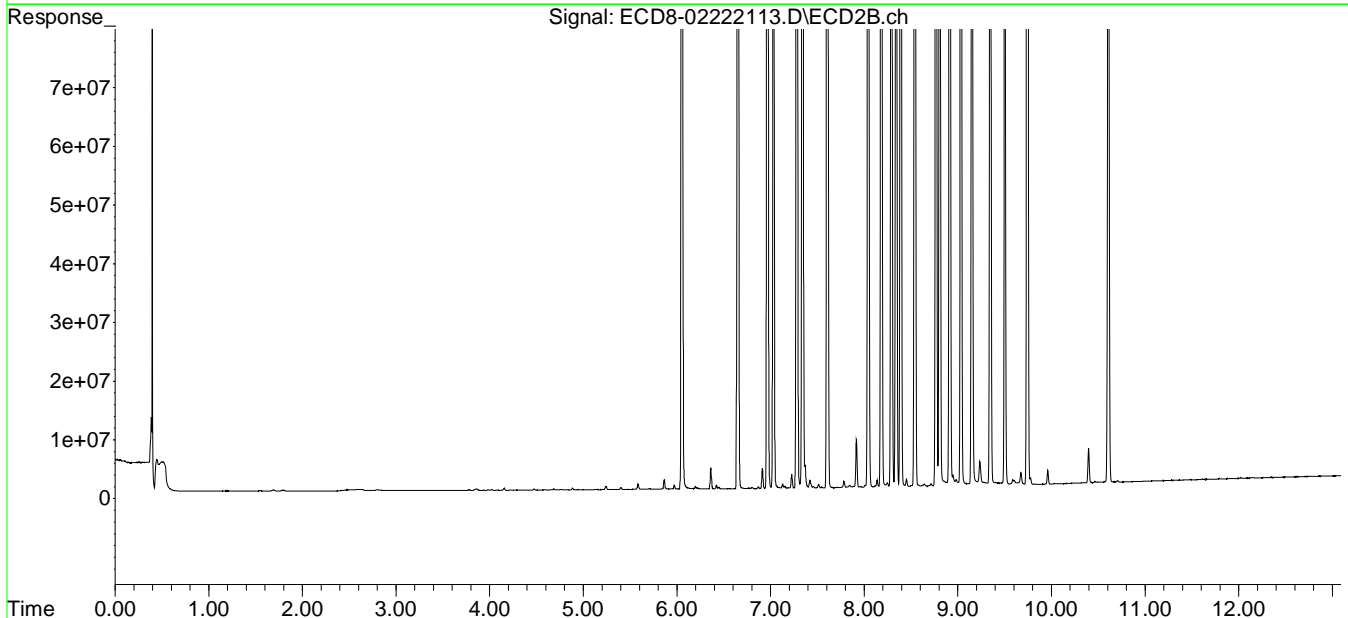
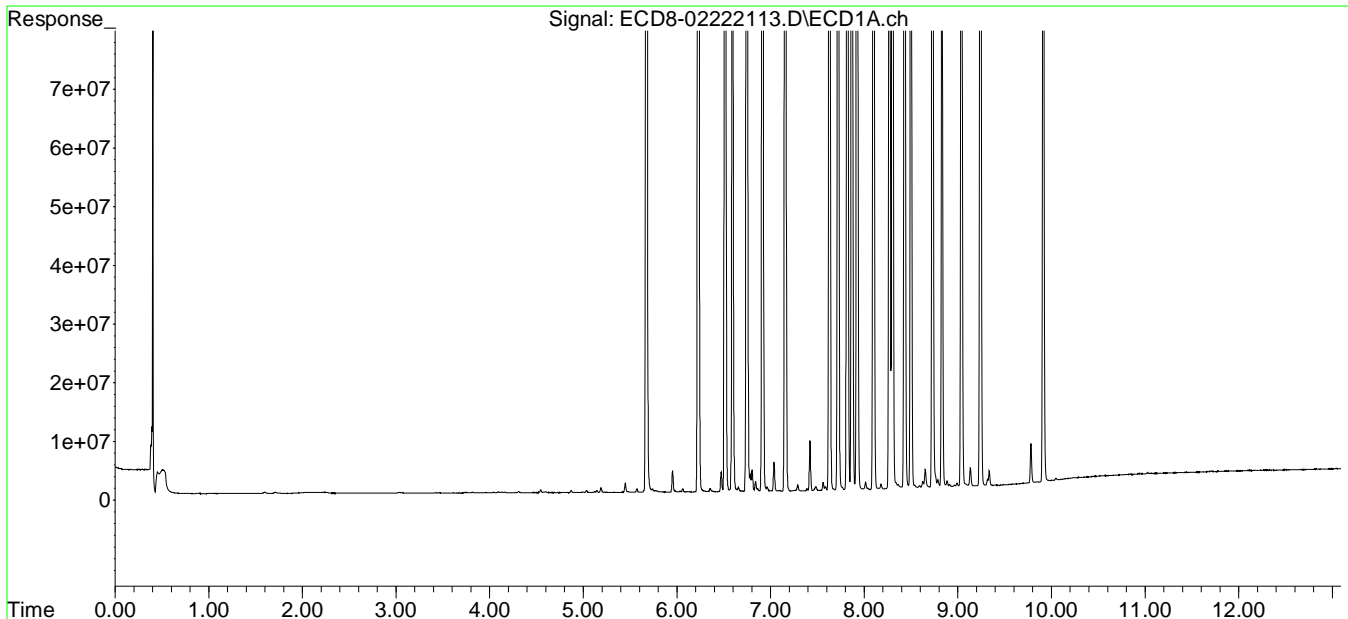
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222113.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 21:37  
Operator : MJB  
Sample : 1B22071-CAL8  
Misc : A21B424, AB 100 ppb  
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:59:56 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222114.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:53  
 Operator : MJB  
 Sample : 1B22071-CAL9  
 Misc : A21B418, AB 200 ppb  
 ALS Vial : 12 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:00:25 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.675	6.055	632.9E6	767.1E6	177.058	202.406
22) S DCBP (S)	9.912	10.607	359.3E6	341.6E6	152.964	148.938
Target Compounds						
2) a-BHC	6.228	6.652	885.2E6	1056.4E6	194.332	219.033
3) g-BHC	6.515	6.968	756.8E6	894.4E6	189.039	211.964
4) b-BHC	6.593	7.031	311.5E6	367.9E6	175.829	193.253
5) Heptachlor	6.914	7.342	702.3E6	842.8E6	172.006	200.249
6) d-BHC	6.746	7.282	744.8E6	919.3E6	195.178	229.116
7) Aldrin	7.157	7.606	700.5E6	819.9E6	184.713	211.575
8) Heptachlo...	7.628	8.043	613.7E6	718.6E6	174.353	198.978
9) trans-Chl...	7.720	8.183	644.6E6	750.7E6	181.514	201.845
10) cis-Chlor...	7.819	8.291	619.4E6	712.2E6	189.668	202.602
11) Endosulfa...	7.924	8.342	574.7E6	650.2E6	177.197	198.075
12) 4,4'-DDE	7.868	8.391	659.5E6	764.0E6	183.979	213.783
13) Dieldrin	8.098	8.541	608.1E6	728.7E6	168.213	199.378
14) Endrin	8.269	8.767	515.2E6	613.5E6	207.263	259.803 #
15) 4,4'-DDD	8.301	8.807	544.4E6	624.8E6	184.831	211.559
16) Endosulfa...	8.431	8.914	510.5E6	604.4E6	176.815	211.479
17) 4,4'-DDT	8.498	9.034	522.8E6	601.6E6	187.821	177.781
18) Endrin Al...	8.729	9.151	468.7E6	520.6E6	166.123	170.117
19) Endosulfa...	9.038	9.347	490.2E6	574.9E6	176.809	205.738
20) Methoxychlor	8.830	9.503	253.5E6	286.2E6	179.160	188.881
21) Endrin Ke...	9.240	9.744	581.8E6	669.7E6	162.169	169.601
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) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222114.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 21:53  
 Operator : MJB  
 Sample : 1B22071-CAL9  
 Misc : A21B418, AB 200 ppb  
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:00:25 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

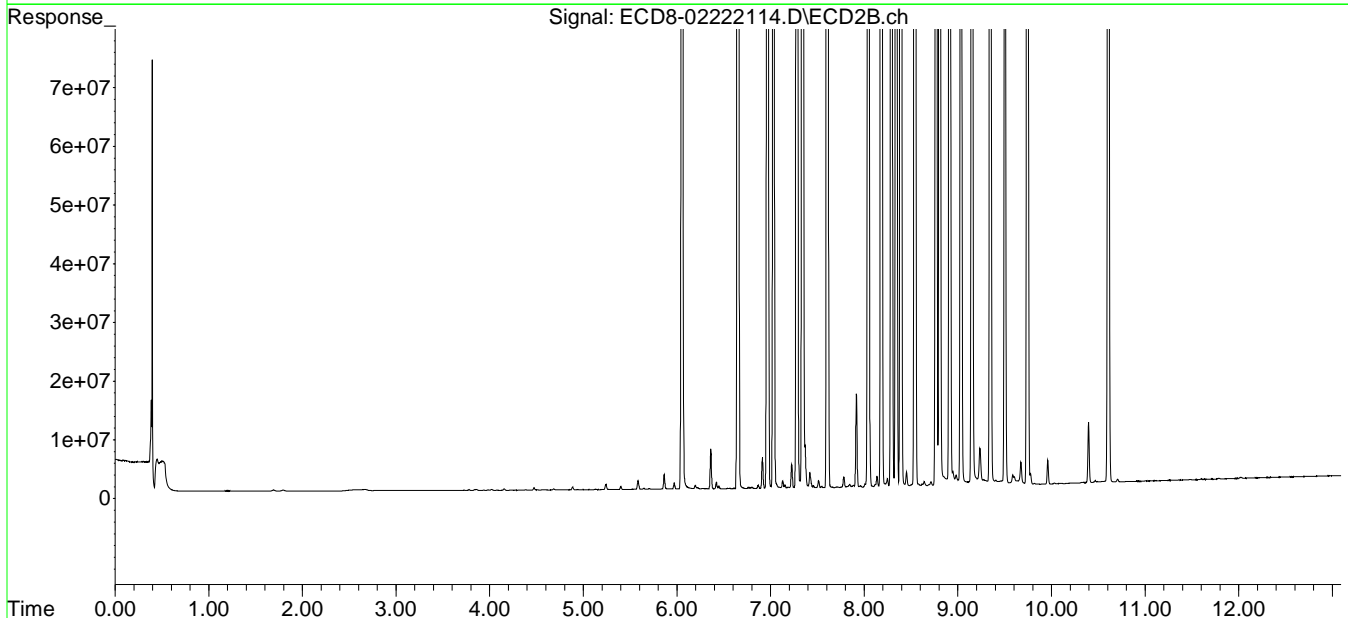
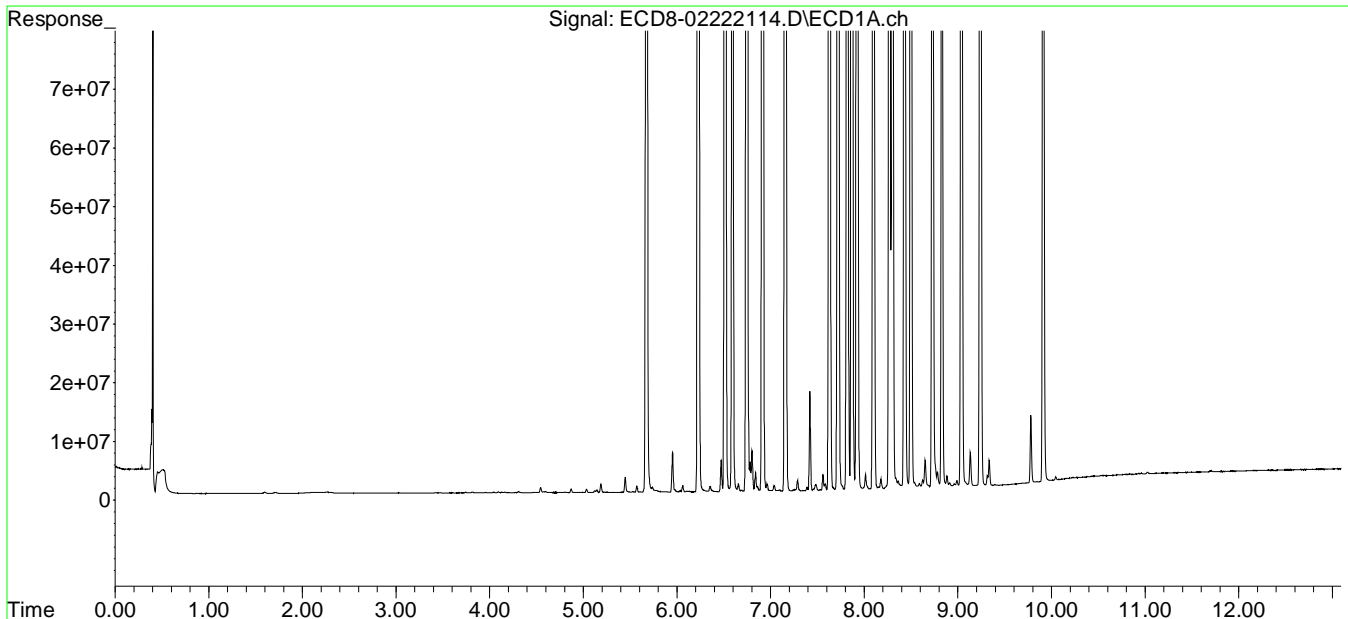
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222114.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 21:53  
Operator : MJB  
Sample : 1B22071-CAL9  
Misc : A21B418, AB 200 ppb  
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:00:25 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222117.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:41  
 Operator : MJB  
 Sample : 1B22071-CALA  
 Misc : A21B427, 9-42 0.5 ppb  
 ALS Vial : 14 Sample Multiplier: 1

NR. Standard contaminated with  
 trace levels of pesticide standard.  
 Standard remade and re-analyzed

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:01:08 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.463	3.770	2102751	2342740	0.573	0.649
24) Hexachlor...	6.063	6.519	1927857	2111165	0.536	0.555
25) Oxychlorane	7.553	7.974	1674644	1751039	0.544	0.557
26) 2,4'-DDE	7.630	8.170	2439001	1368415	1.070	0.586 #
27) trans-Non...	7.821	8.250	2474507	1990184	0.719	0.561
28) 2,4'-DDD	8.002	8.543	1157522	3155775	0.583	1.510 #
29) 2,4'-DDT	8.182	8.767	1156284	2700427	0.563	1.465 #

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222117.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:41  
 Operator : MJB  
 Sample : 1B22071-CALA  
 Misc : A21B427, 9-42 0.5 ppb  
 ALS Vial : 14 Sample Multiplier: 1

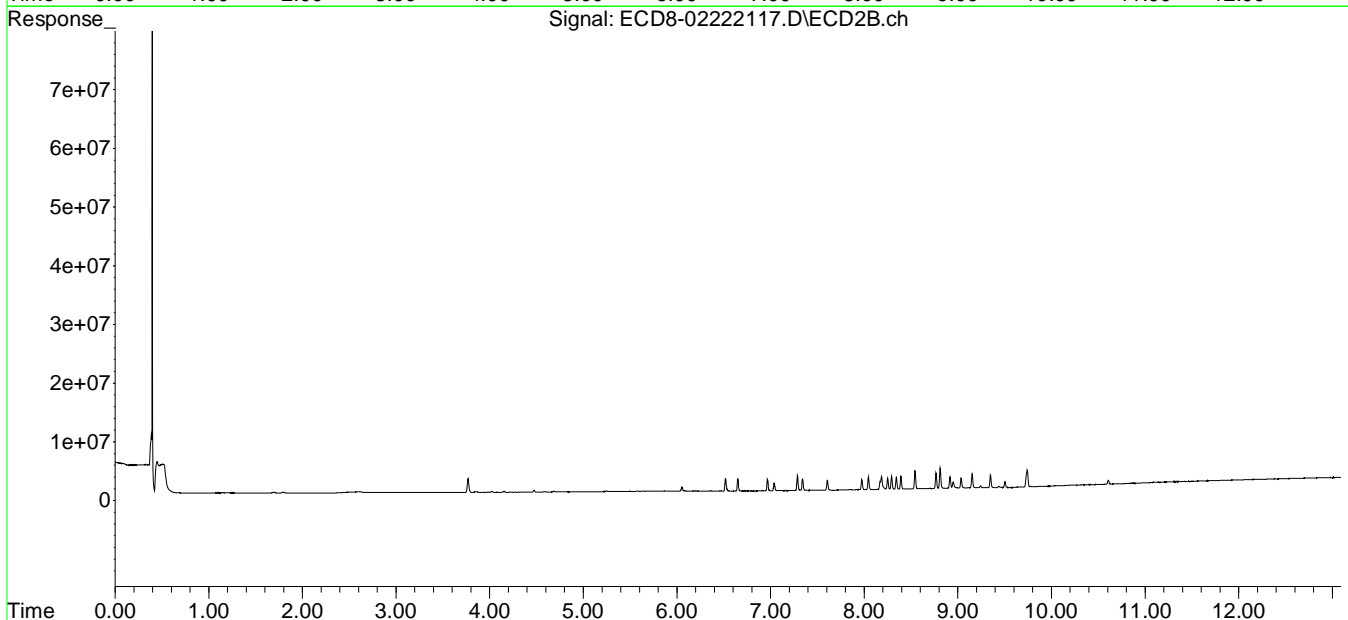
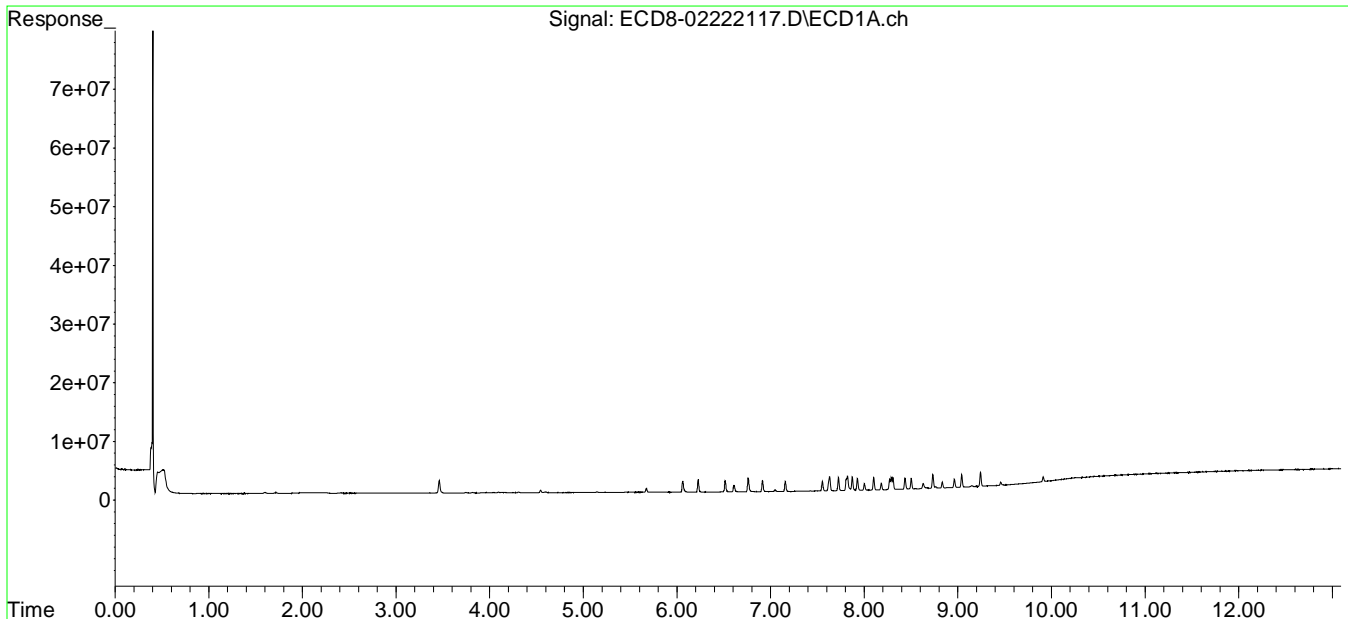
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:01:08 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.811	2080501	3531959	0.568	0.933 #
31)	Mirex	8.963	9.742	1439387	2884434	0.441	1.069 #
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222117.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:41  
 Operator : MJB  
 Sample : 1B22071-CALA  
 Misc : A21B427, 9-42 0.5 ppb  
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:01:08 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222118.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:57  
 Operator : MJB  
 Sample : 1B22071-CALB  
 Misc : A20I180, 9-42 1 ppb  
 ALS Vial : 15 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:02:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.463	3.771	3849131	4234435	1.176	1.174
24) Hexachlor...	6.063	6.519	3773640	4089957	1.049	1.076
25) Oxychlorane	7.552	7.974	3178037	3292723	1.033	1.047
26) 2,4'-DDE	7.619	8.168	2600936	2527723	1.141	1.082
27) trans-Non...	7.807	8.250	3695838	3710614	1.074	1.046
28) 2,4'-DDD	8.001	8.543	2270647	2566323	1.144	1.228
29) 2,4'-DDT	8.181	8.766	2238924	2378708	1.091	1.285

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222118.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 22:57  
 Operator : MJB  
 Sample : 1B22071-CALB  
 Misc : A20I180, 9-42 1 ppb  
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:02:14 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

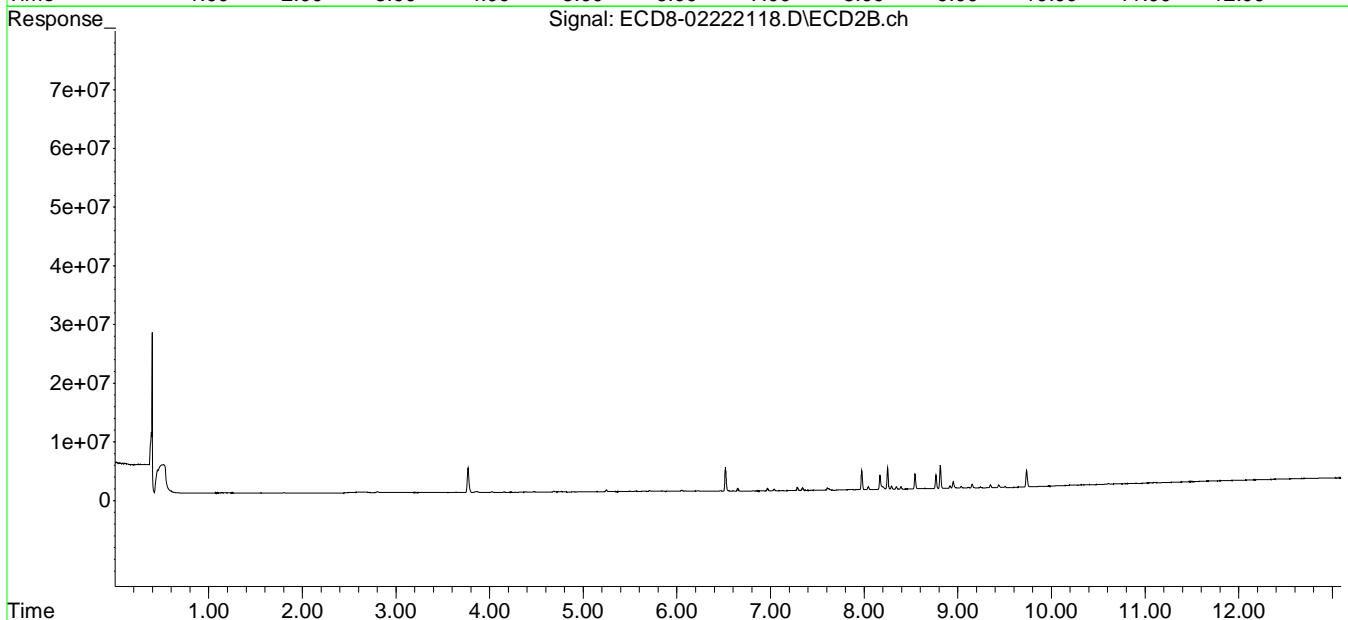
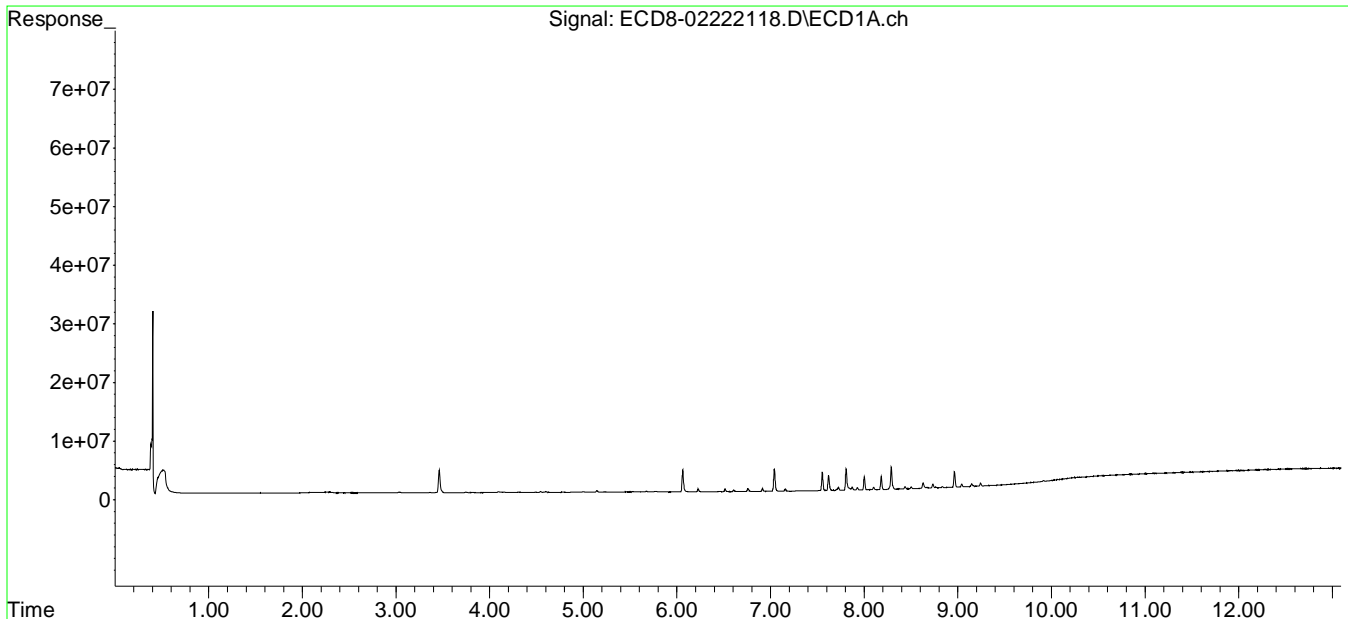
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.813	3845722	3967974	1.050	1.048
31)	Mirex	8.963	9.734	2639289	2872803	0.980	1.063
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222118.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 22:57  
Operator : MJB  
Sample : 1B22071-CALB  
Misc : A20I180, 9-42 1 ppb  
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:02:14 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:14  
 Operator : MJB  
 Sample : 1B22071-CALC  
 Misc : A20I181, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:12:24 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.463	3.770	6957604	7585003	2.250	2.102
24) Hexachlor...	6.063	6.519	6425966	6651598	1.787	1.750
25) Oxychlorane	7.553	7.975	5309909	5464605	1.726	1.738
26) 2,4'-DDE	7.619	8.168	4402205	4399052	1.931	1.883
27) trans-Non...	7.807	8.251	6120372	6195556	1.778	1.746
28) 2,4'-DDD	8.001	8.542	3684063	3880927	1.856	1.857
29) 2,4'-DDT	8.181	8.765	3860272	3803369	1.881	2.084

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222119.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:14  
 Operator : MJB  
 Sample : 1B22071-CALC  
 Misc : A20I181, 9-42 2 ppb  
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:12:24 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

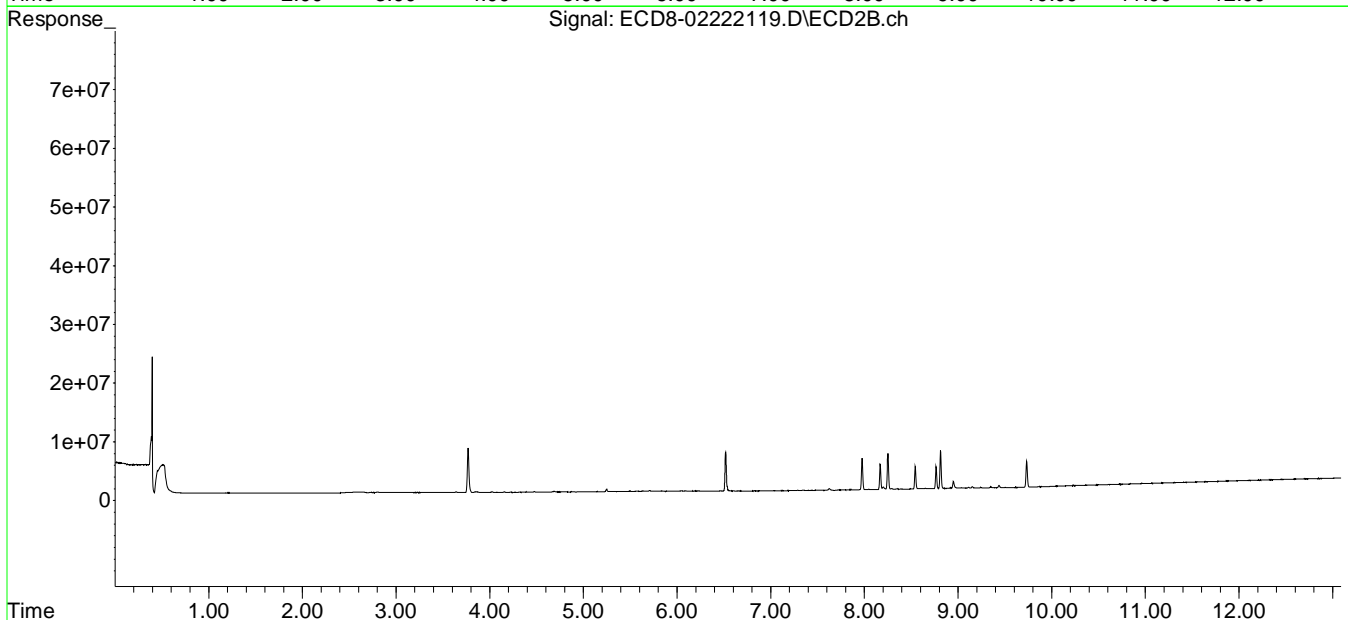
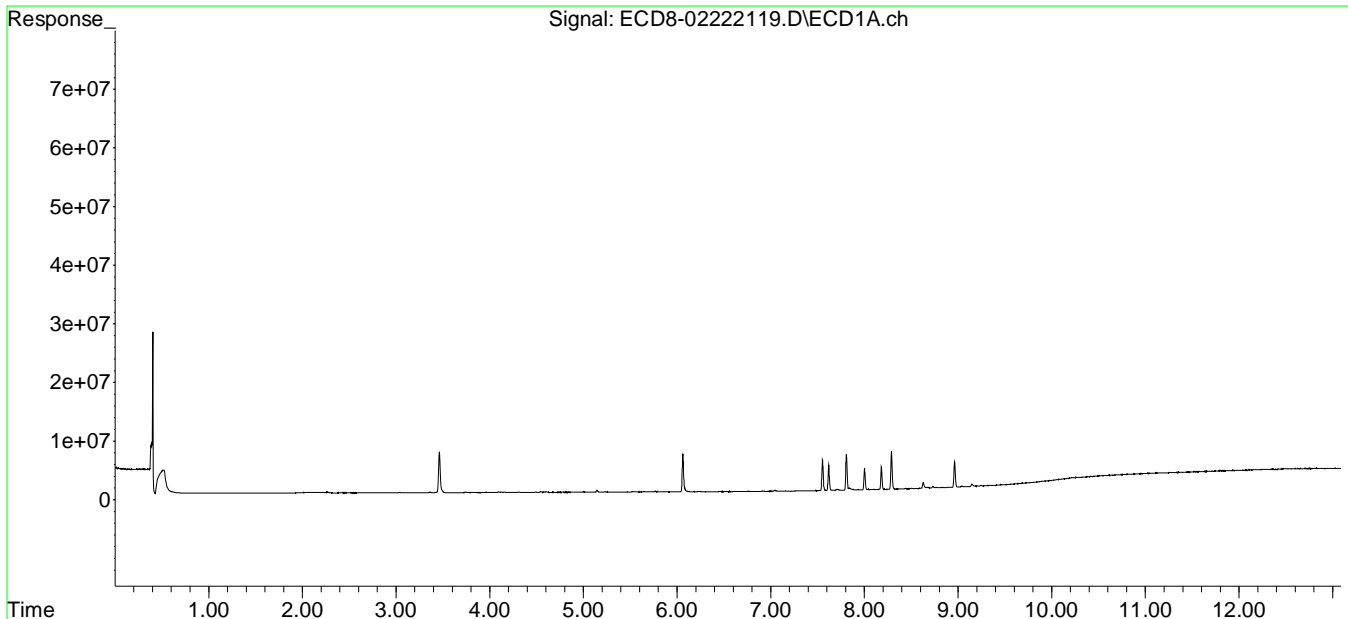
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.813	6425104	6554264	1.754	1.732
31)	Mirex	8.962	9.732	4332283	4436254	1.740	1.780
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222119.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 23:14  
Operator : MJB  
Sample : 1B22071-CALC  
Misc : A20I181, 9-42 2 ppb  
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:12:24 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222120.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:30  
 Operator : MJB  
 Sample : 1B22071-CALD  
 Misc : A20I182, 9-42 5 ppb  
 ALS Vial : 17 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:13:09 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.462	3.769	16915994	18400186	5.693	5.100
24) Hexachlor...	6.062	6.519	17228940	17607068	4.790	4.632
25) Oxychlorthane	7.550	7.973	14138970	14509986	4.596	4.615
26) 2,4'-DDE	7.616	8.167	11843817	11430457	5.194	4.894
27) trans-Non...	7.805	8.249	16834749	16862415	4.891	4.753
28) 2,4'-DDD	7.998	8.541	10090183	10051036	5.083	4.809
29) 2,4'-DDT	8.179	8.764	10380223	10243436	5.057	5.656

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222120.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:30  
 Operator : MJB  
 Sample : 1B22071-CALD  
 Misc : A20I182, 9-42 5 ppb  
 ALS Vial : 17 Sample Multiplier: 1

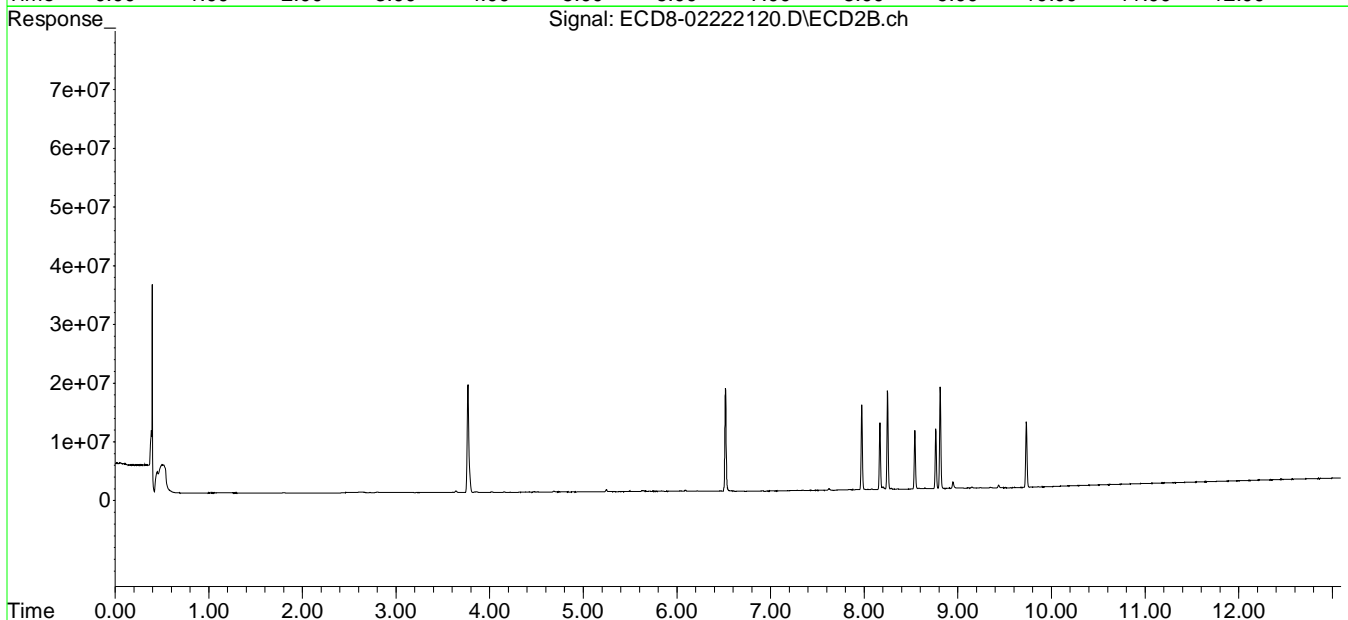
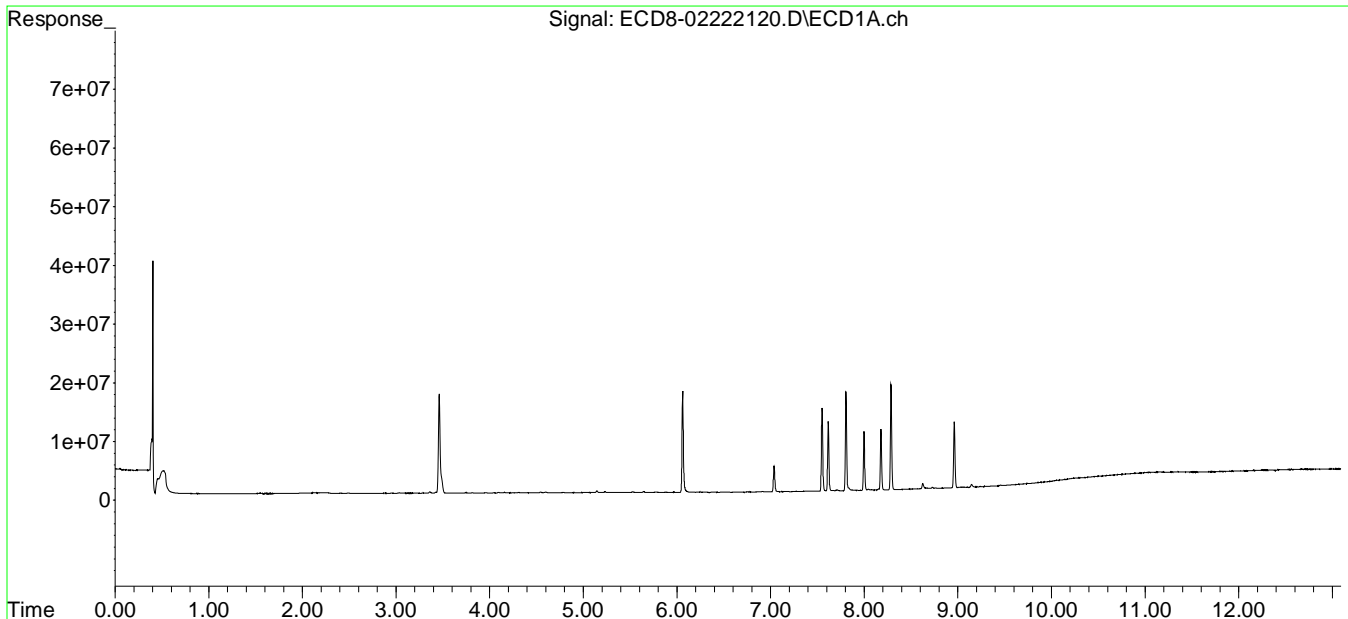
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:13:09 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.811	17982284	17366122	4.908	4.588
31)	Mirex	8.962	9.732	11264877	11183223	4.852	4.864
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222120.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 23:30  
Operator : MJB  
Sample : 1B22071-CALD  
Misc : A20I182, 9-42 5 ppb  
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:13:09 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222121.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:46  
 Operator : MJB  
 Sample : 1B22071-CALE  
 Misc : A20I183, 9-42 10 ppb  
 ALS Vial : 18 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:13:43 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.463	3.770	33815879	38223828	11.541	10.595
24) Hexachlor...	6.062	6.518	30466143	32152783	8.471	8.459
25) Oxychlorane	7.551	7.973	25965576	26262955	8.440	8.353
26) 2,4'-DDE	7.617	8.168	20728712	20666712	9.091	8.848
27) trans-Non...	7.806	8.249	29798426	29960662	8.657	8.445
28) 2,4'-DDD	7.999	8.541	17287796	17551974	8.709	8.398
29) 2,4'-DDT	8.180	8.764	18647054	17969327	9.085	9.864

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222121.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2021 23:46  
 Operator : MJB  
 Sample : 1B22071-CALE  
 Misc : A20I183, 9-42 10 ppb  
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:13:43 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

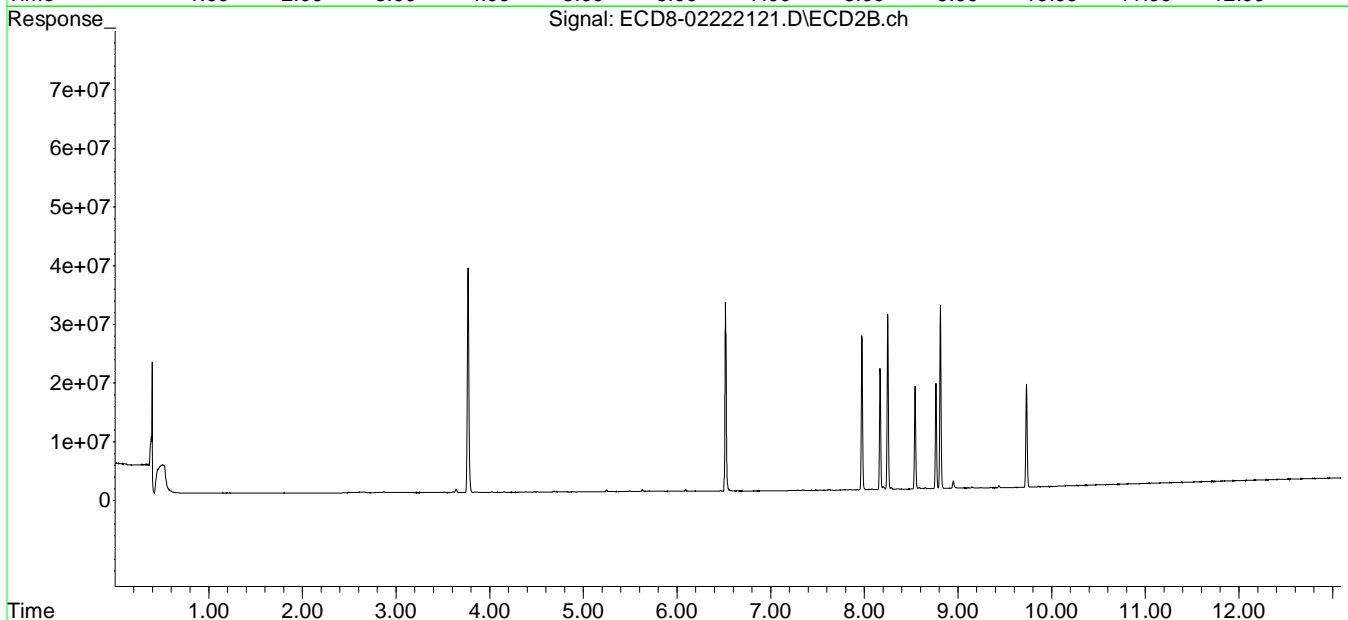
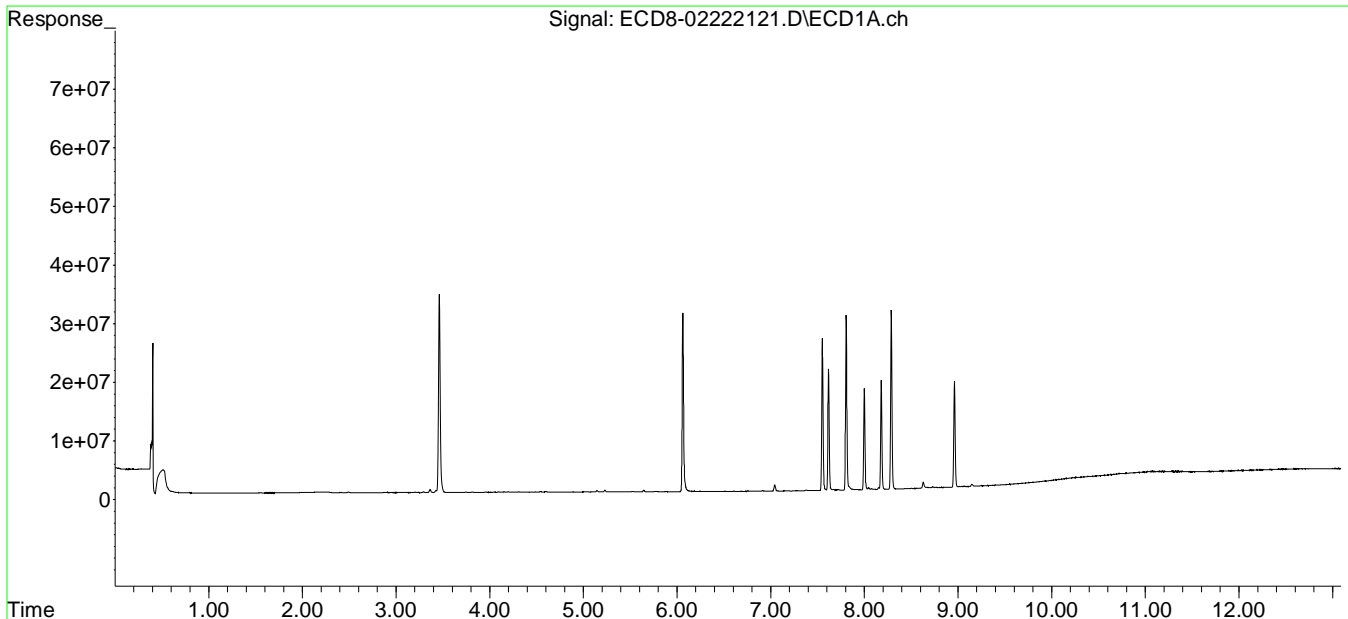
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.811	30557167	31198771	8.340	8.243
31)	Mirex	8.961	9.731	18015848	17589722	7.883	7.779
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222121.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2021 23:46  
Operator : MJB  
Sample : 1B22071-CALE  
Misc : A20I183, 9-42 10 ppb  
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:13:43 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222122.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:02  
 Operator : MJB  
 Sample : 1B22071-CALF  
 Misc : A20I184, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:14:20 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.461	3.769	81425185	93923754	28.050	26.034
24) Hexachlor...	6.062	6.520	78397083	85289633	21.797	22.439
25) Oxychlordan	7.552	7.975	65632206	69820741	21.334	22.206
26) 2,4'-DDE	7.618	8.168	53237868	55999217	23.348	23.975
27) trans-Non...	7.807	8.250	76125922	81304083	22.117	22.918
28) 2,4'-DDD	8.001	8.543	44965047	48638614	22.652	23.271
29) 2,4'-DDT	8.182	8.767	48311296	50736802	23.538	26.860



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222122.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:02  
 Operator : MJB  
 Sample : 1B22071-CALF  
 Misc : A20I184, 9-42 25 ppb  
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:14:20 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

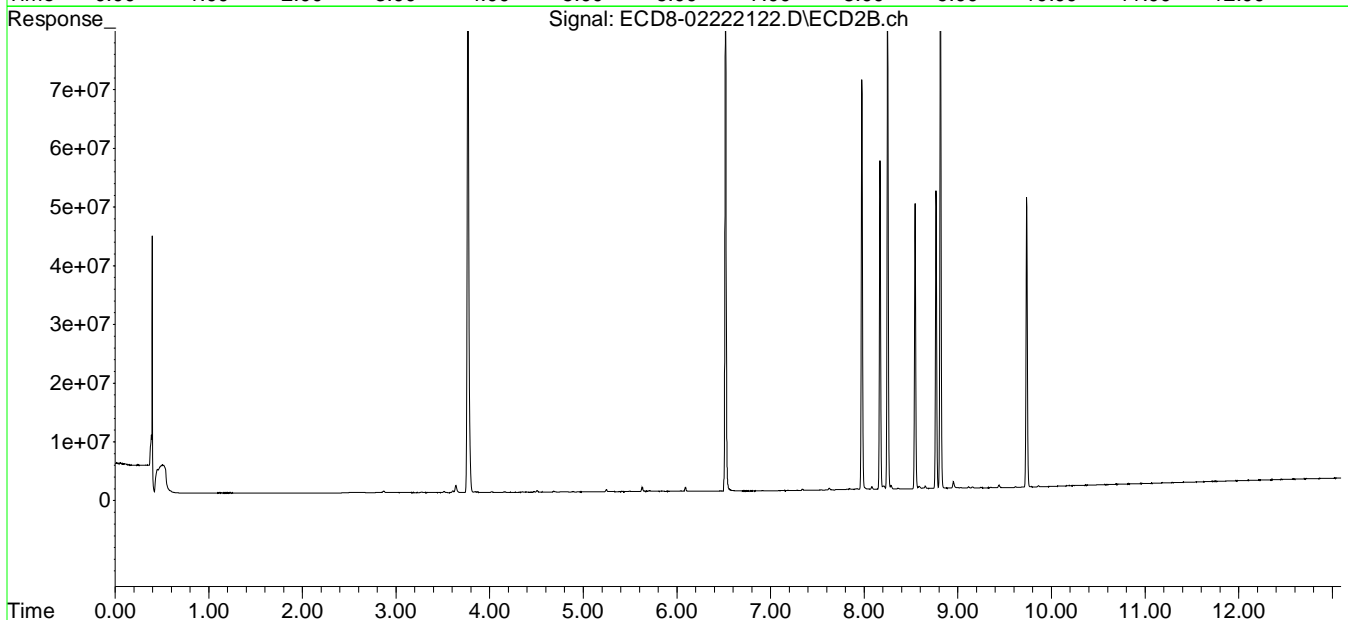
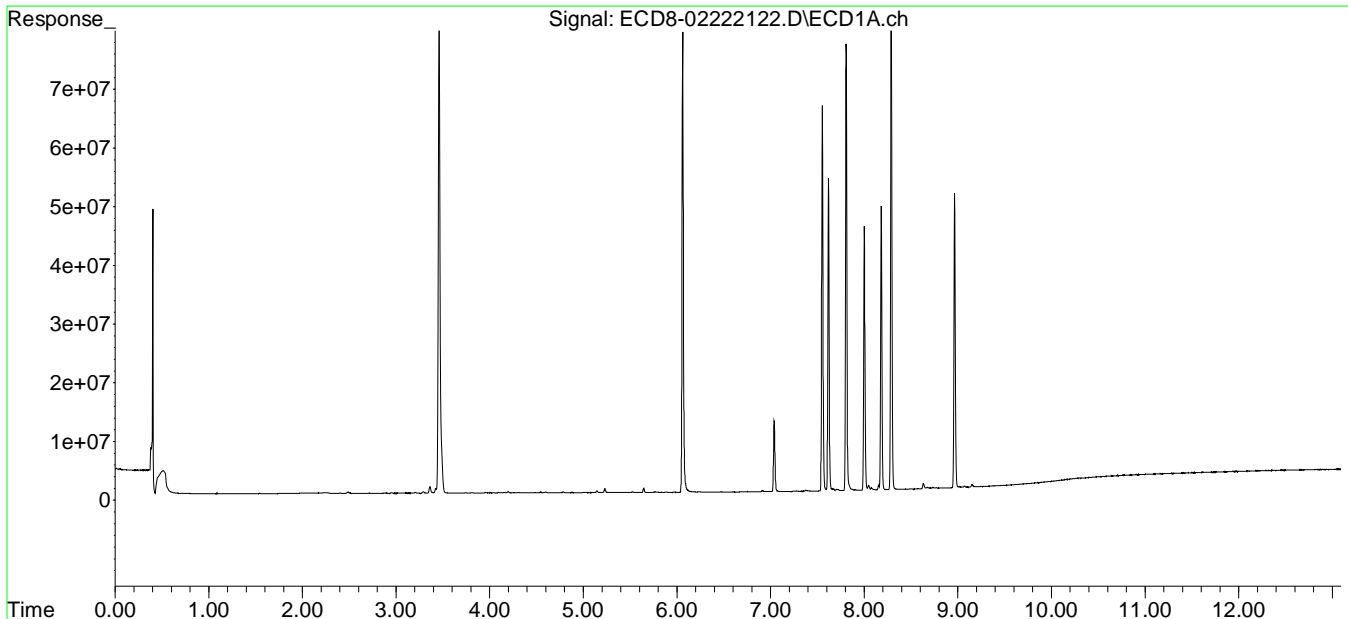
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.815	82853835	87229388	22.613	23.047
31)	Mirex	8.965	9.735	50147847	49375718	22.309	22.058
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222122.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 00:02  
Operator : MJB  
Sample : 1B22071-CALF  
Misc : A20I184, 9-42 25 ppb  
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:14:20 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222123.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:18  
 Operator : MJB  
 Sample : 1B22071-CALG  
 Misc : A21A187, 9-42 50 ppb  
 ALS Vial : 20 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:50:40 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:49:19 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.464	3.770	169.8E6	203.8E6	58.817	56.503
24) Hexachlor...	6.062	6.519	155.2E6	178.4E6	43.154	46.928
25) Oxychlorane	7.550	7.973	129.8E6	140.5E6	42.196	44.693
26) 2,4'-DDE	7.615	8.166	105.3E6	114.2E6	46.193	48.884
27) trans-Non...	7.804	8.248	150.2E6	160.3E6	43.623	45.181
28) 2,4'-DDD	7.998	8.541	87544358	94914438	44.102	45.412
29) 2,4'-DDT	8.179	8.765	100.5E6	105.0E6	48.947	52.567

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222123.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:18  
 Operator : MJB  
 Sample : 1B22071-CALG  
 Misc : A21A187, 9-42 50 ppb  
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:50:40 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:49:19 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

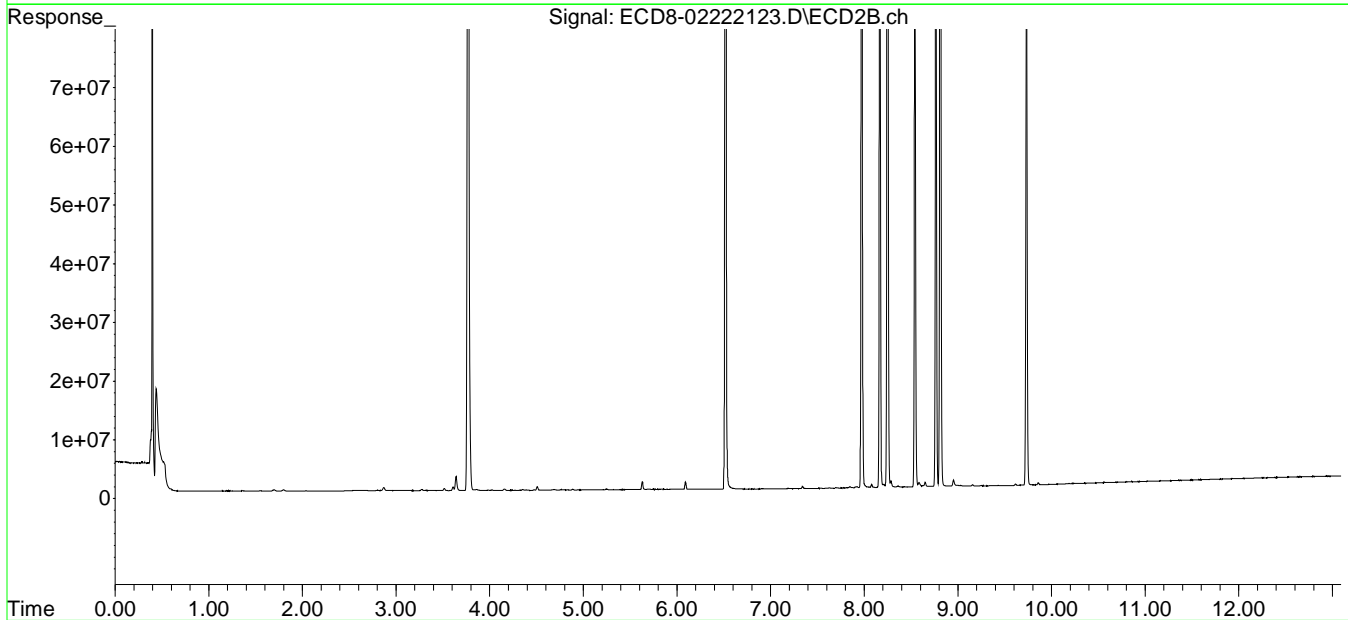
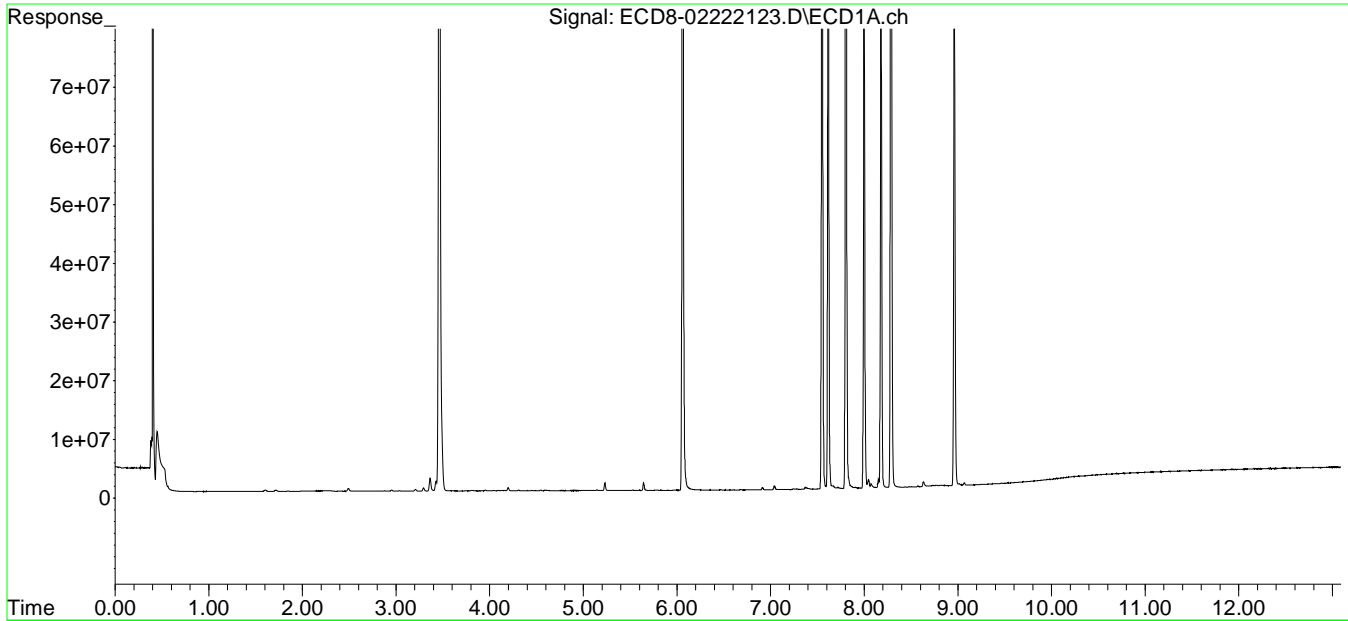
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.812	155.8E6	169.9E6	42.530	44.900
31)	Mirex	8.962	9.732	89981809	90706286	40.192	40.192
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222123.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 00:18  
Operator : MJB  
Sample : 1B22071-CALG  
Misc : A21A187, 9-42 50 ppb  
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:50:40 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:49:19 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222124.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:35  
 Operator : MJB  
 Sample : 1B22071-CALH  
 Misc : A21A188, 9-42 100 ppb  
 ALS Vial : 21 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:14:58 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.463	3.770	310.9E6	386.1E6	108.348	107.013
24) Hexachlor...	6.063	6.519	315.7E6	365.0E6	87.778	96.041
25) Oxychlorane	7.550	7.973	264.0E6	300.6E6	85.813	95.598
26) 2,4'-DDE	7.615	8.166	214.7E6	244.1E6	94.172	104.505
27) trans-Non...	7.804	8.249	312.0E6	345.8E6	90.635	97.471
28) 2,4'-DDD	7.998	8.541	181.0E6	210.1E6	91.203	100.530
29) 2,4'-DDT	8.179	8.765	207.7E6	225.0E6	101.216	101.797

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222124.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:35  
 Operator : MJB  
 Sample : 1B22071-CALH  
 Misc : A21A188, 9-42 100 ppb  
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:14:58 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

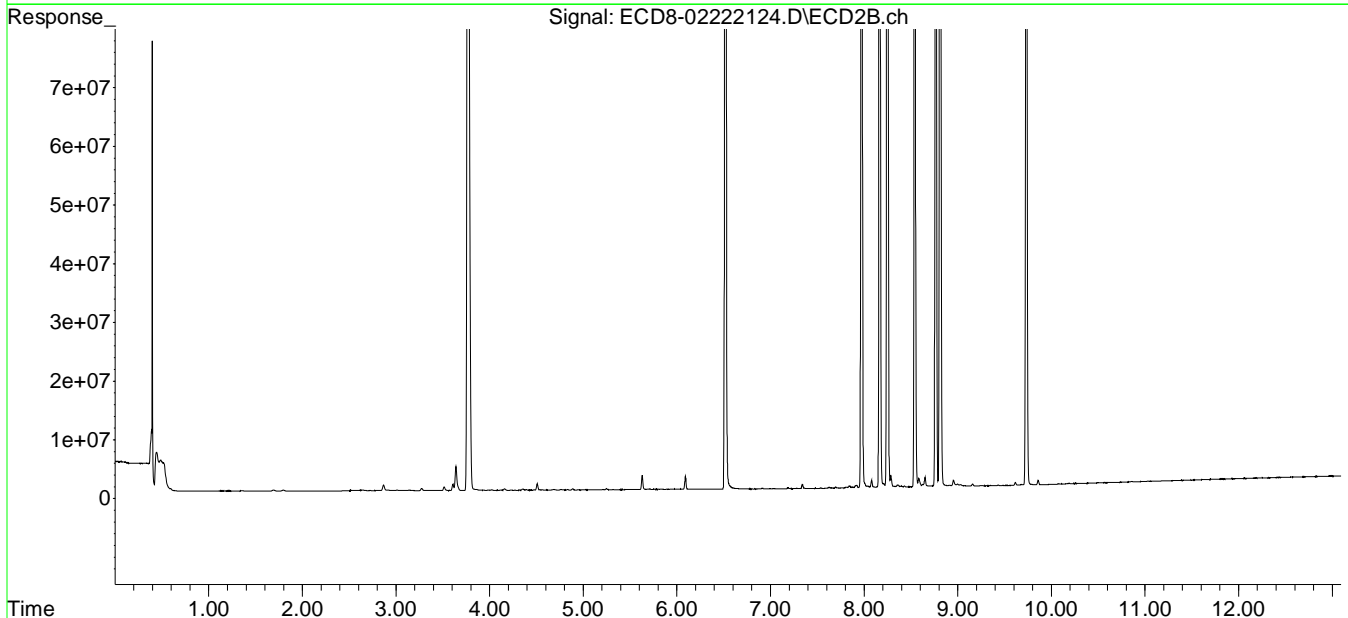
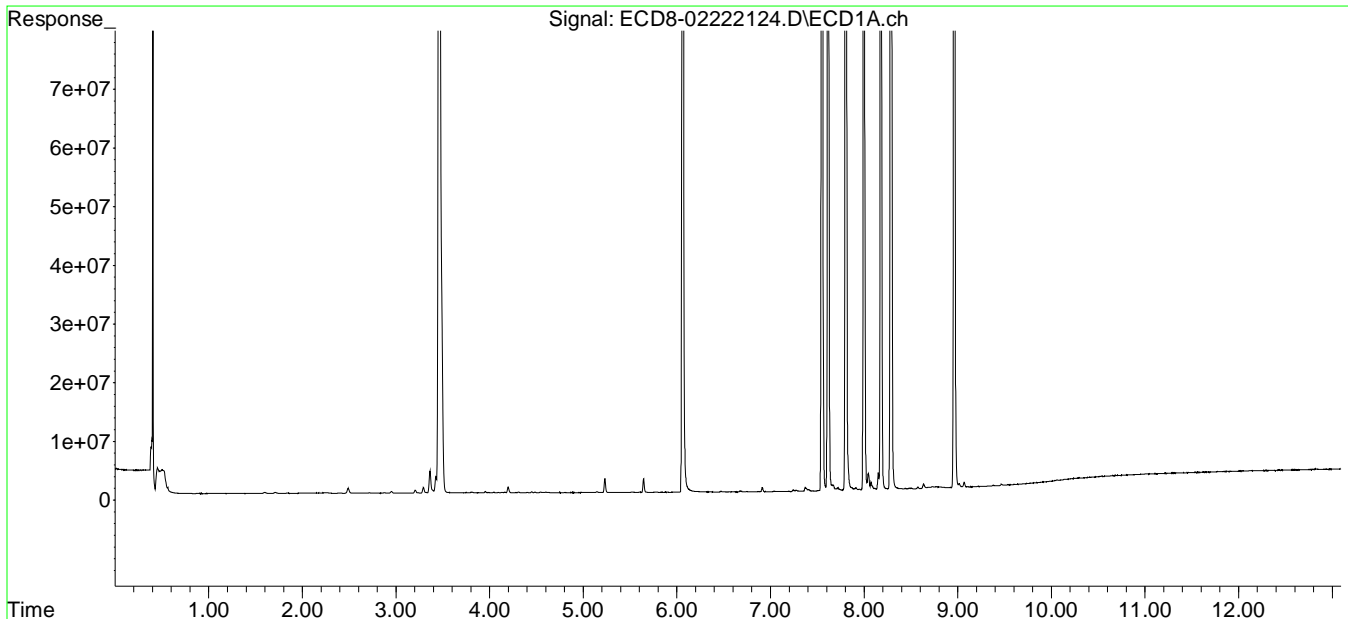
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.812	328.5E6	380.3E6	89.663	100.484
31)	Mirex	8.962	9.732	197.0E6	208.7E6	88.225	89.581
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222124.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 00:35  
Operator : MJB  
Sample : 1B22071-CALH  
Misc : A21A188, 9-42 100 ppb  
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:14:58 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:51  
 Operator : MJB  
 Sample : 1B22071-CALI  
 Misc : A20I179, 9-42 200 ppb  
 ALS Vial : 22 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:15:32 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.463	3.770	687.1E6	868.0E6	242.794	240.582
24) Hexachlor...	6.063	6.520	663.1E6	794.5E6	184.356	209.026
25) Oxychlorane	7.550	7.973	553.4E6	635.4E6	179.902	202.073
26) 2,4'-DDE	7.614	8.167	420.3E6	499.4E6	184.335	213.790
27) trans-Non...	7.804	8.249	611.7E6	730.1E6	177.712	205.786
28) 2,4'-DDD	7.997	8.541	369.8E6	439.5E6	186.319	210.300
29) 2,4'-DDT	8.179	8.765	426.9E6	481.6E6	207.982	186.864

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 00:51  
 Operator : MJB  
 Sample : 1B22071-CALI  
 Misc : A20I179, 9-42 200 ppb  
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:15:32 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

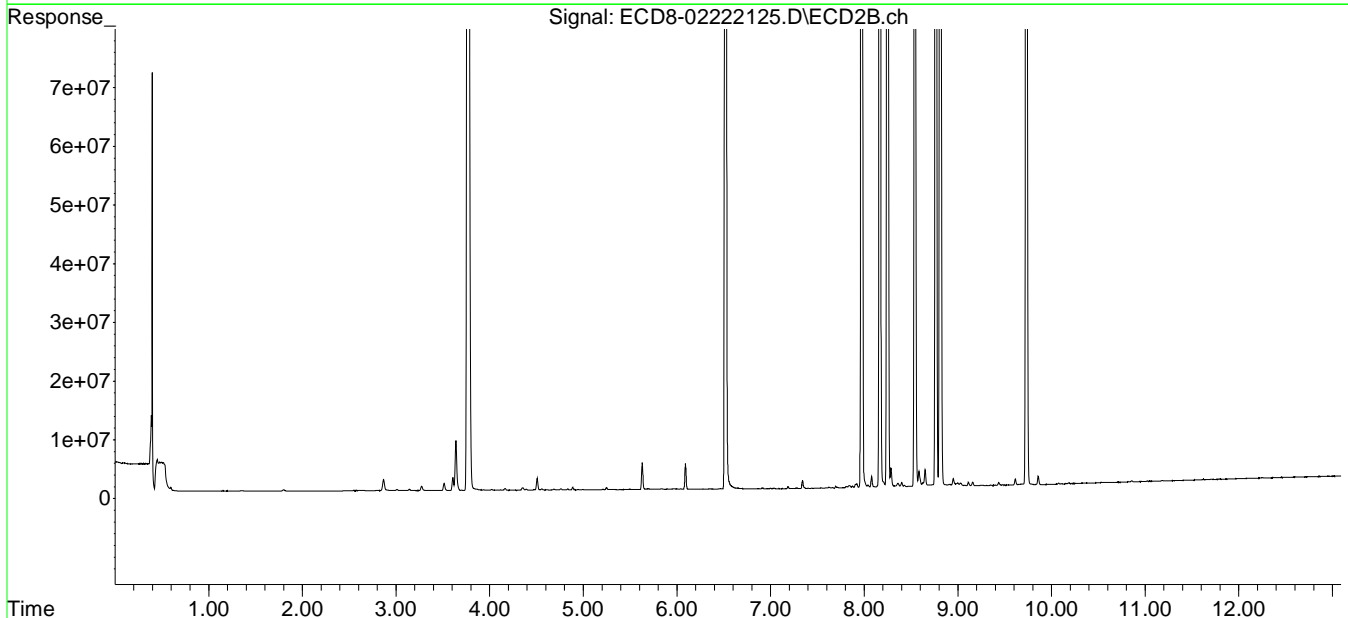
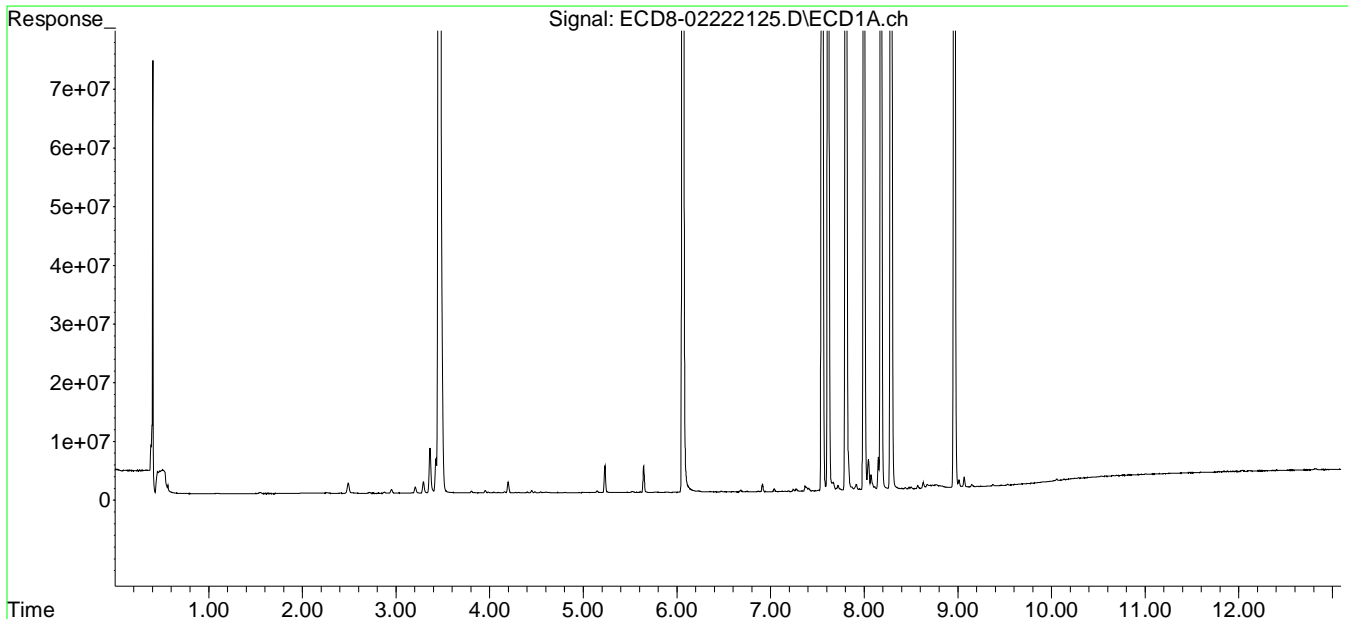
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.813	692.4E6	806.0E6	188.974	212.945
31)	Mirex	8.962	9.732	404.4E6	435.2E6	181.358	176.246
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222125.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 00:51  
Operator : MJB  
Sample : 1B22071-CALI  
Misc : A20I179, 9-42 200 ppb  
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:15:32 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222128.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:40  
 Operator : MJB  
 Sample : 1B22071-CALJ  
 Misc : A21B428, CHLOR 10 ppb  
 ALS Vial : 24 Sample Multiplier: 1

NR. Standard contaminated with  
 trace levels of pesticide standard.  
 Standard remade and re-analyzed.

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:17:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

System Monitoring Compounds

1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d

Target Compounds

2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222128.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:40  
 Operator : MJB  
 Sample : 1B22071-CALJ  
 Misc : A21B428, CHLOR 10 ppb  
 ALS Vial : 24 Sample Multiplier: 1

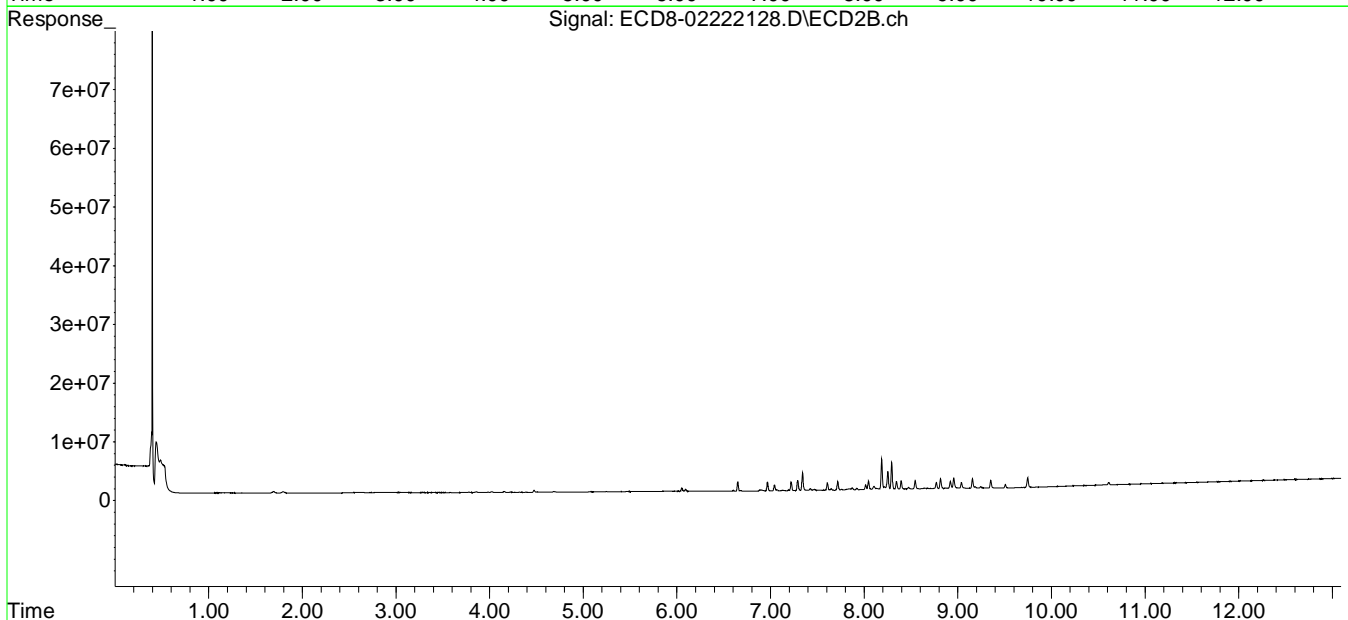
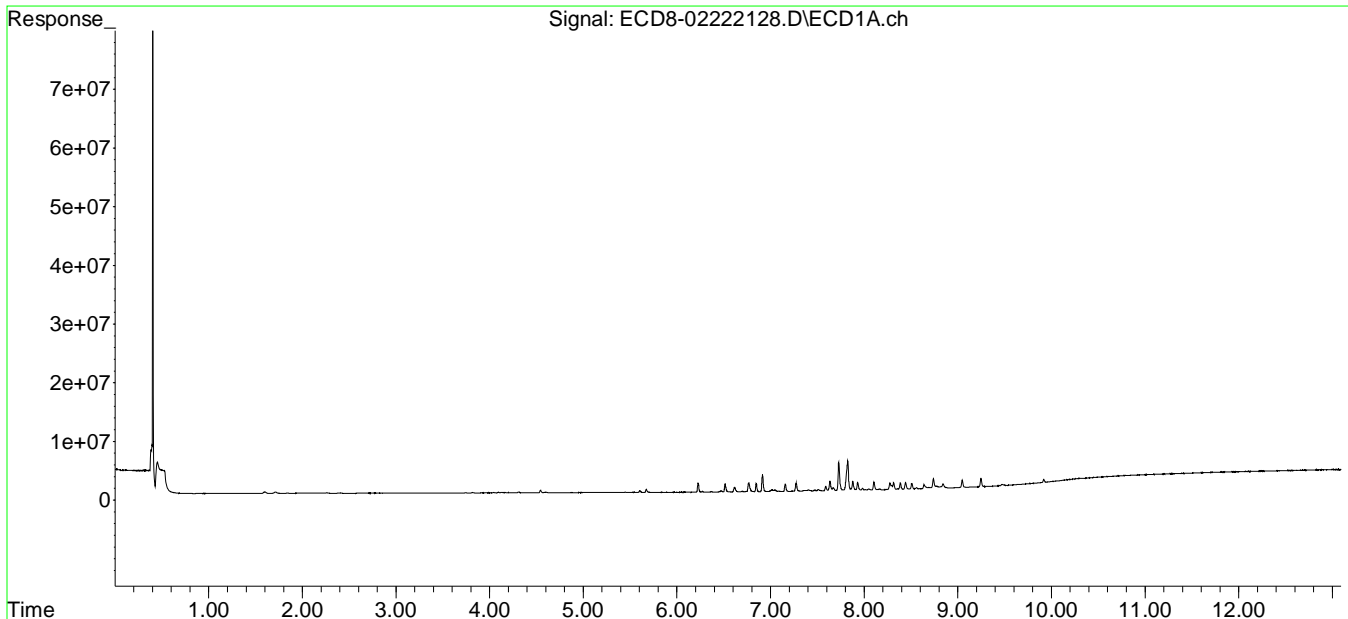
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:17:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.728	8.186	4840173	5279466	13.208	12.711
33)	Chlordane...	7.824	8.293	5045874	4697356	13.711	13.424
34)	Chlordane...	8.386	8.956	1127326	1839784	9.824	16.171 #
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222128.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:40  
 Operator : MJB  
 Sample : 1B22071-CALJ  
 Misc : A21B428, CHLOR 10 ppb  
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:17:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222129.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:56  
 Operator : MJB  
 Sample : 1B22071-CALK  
 Misc : A20L139, CHLOR 50 ppb  
 ALS Vial : 25 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:17:49 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222129.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 1:56  
 Operator : MJB  
 Sample : 1B22071-CALK  
 Misc : A20L139, CHLOR 50 ppb  
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:17:49 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.724	8.184	17851422	19070415	48.712	45.913
33)	Chlordane...	7.820	8.291	18023843	16283719	48.975	46.536
34)	Chlordane...	8.382	8.953	5278298	5948956	45.998	52.290
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

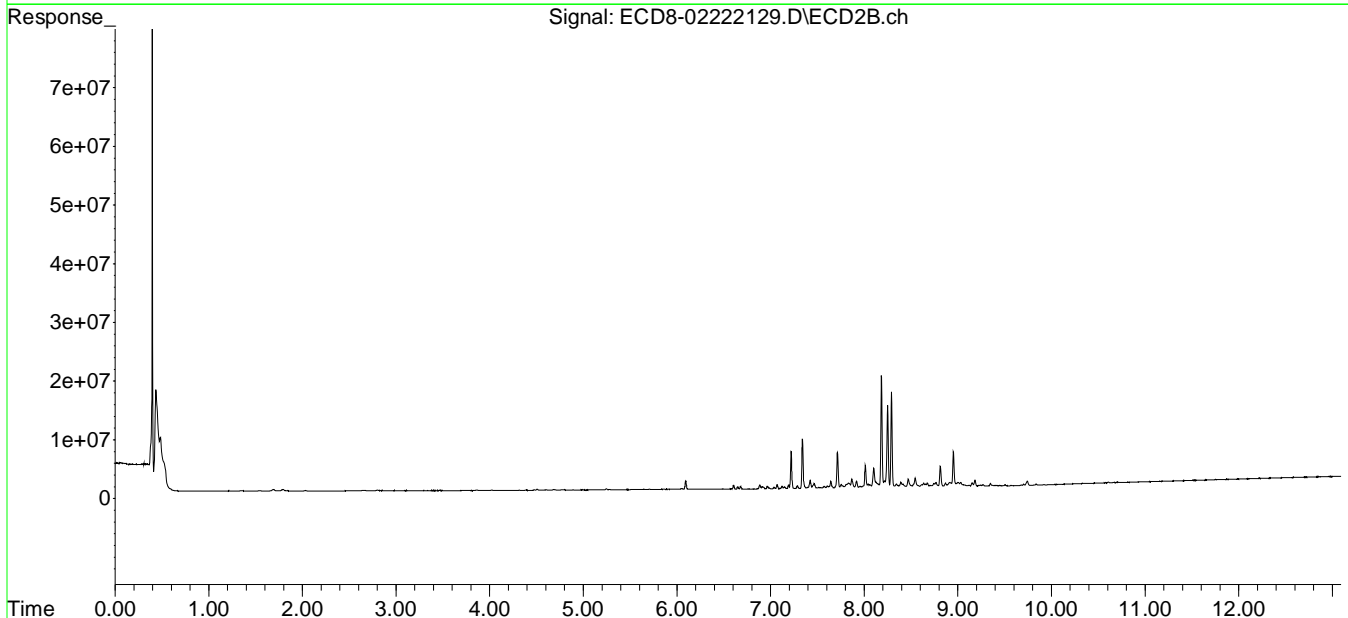
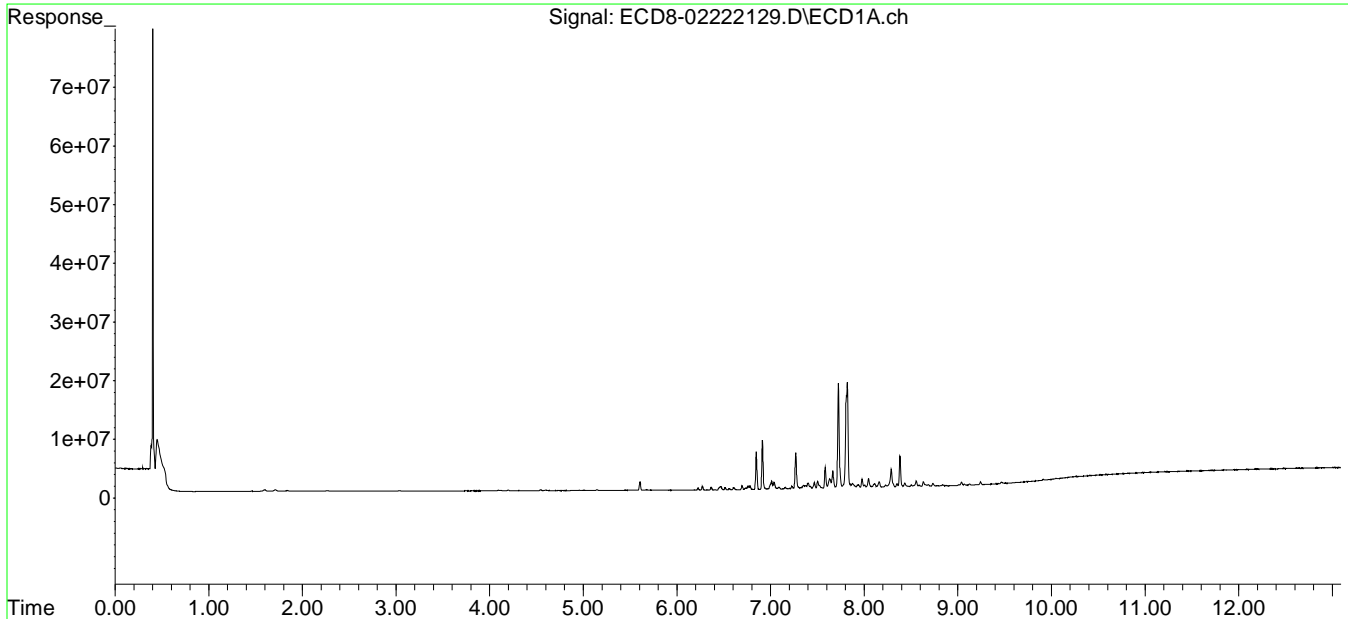
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222129.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 1:56  
Operator : MJB  
Sample : 1B22071-CALK  
Misc : A20L139, CHLOR 50 ppb  
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:17:49 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222130.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:12  
 Operator : MJB  
 Sample : 1B22071-CALL  
 Misc : A20L140, CHLOR 100 ppb  
 ALS Vial : 26 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:18:22 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222130.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:12  
 Operator : MJB  
 Sample : 1B22071-CALL  
 Misc : A20L140, CHLOR 100 ppb  
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:18:22 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

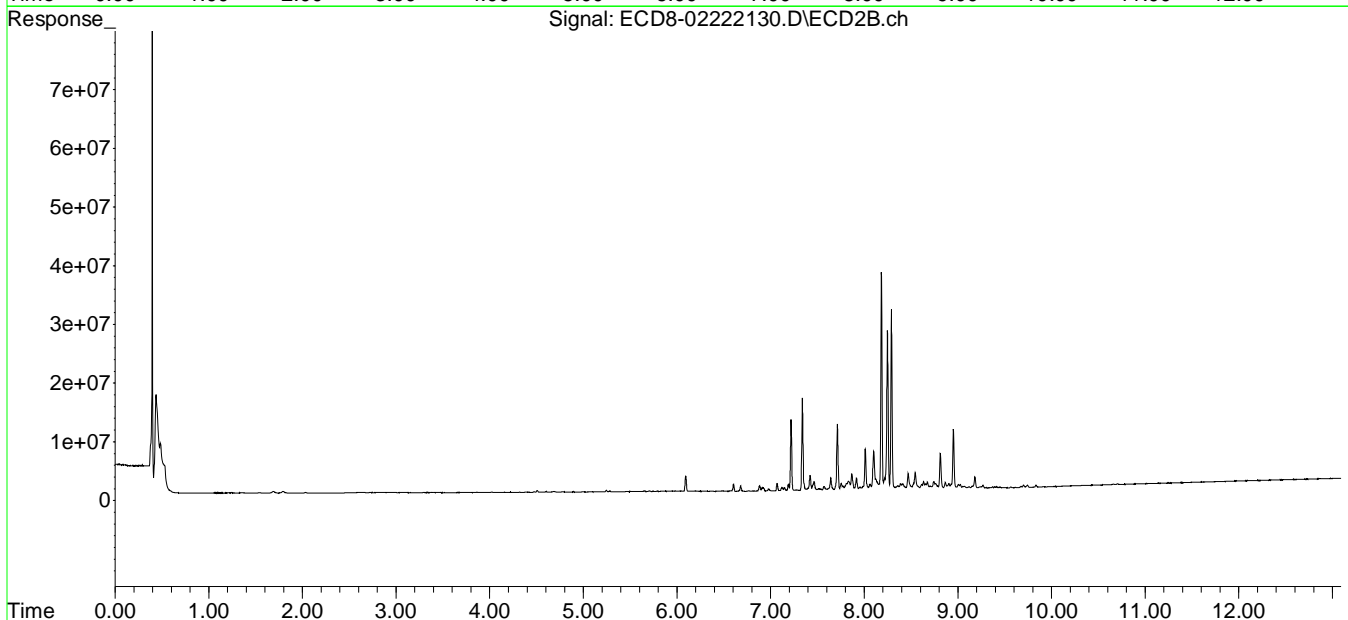
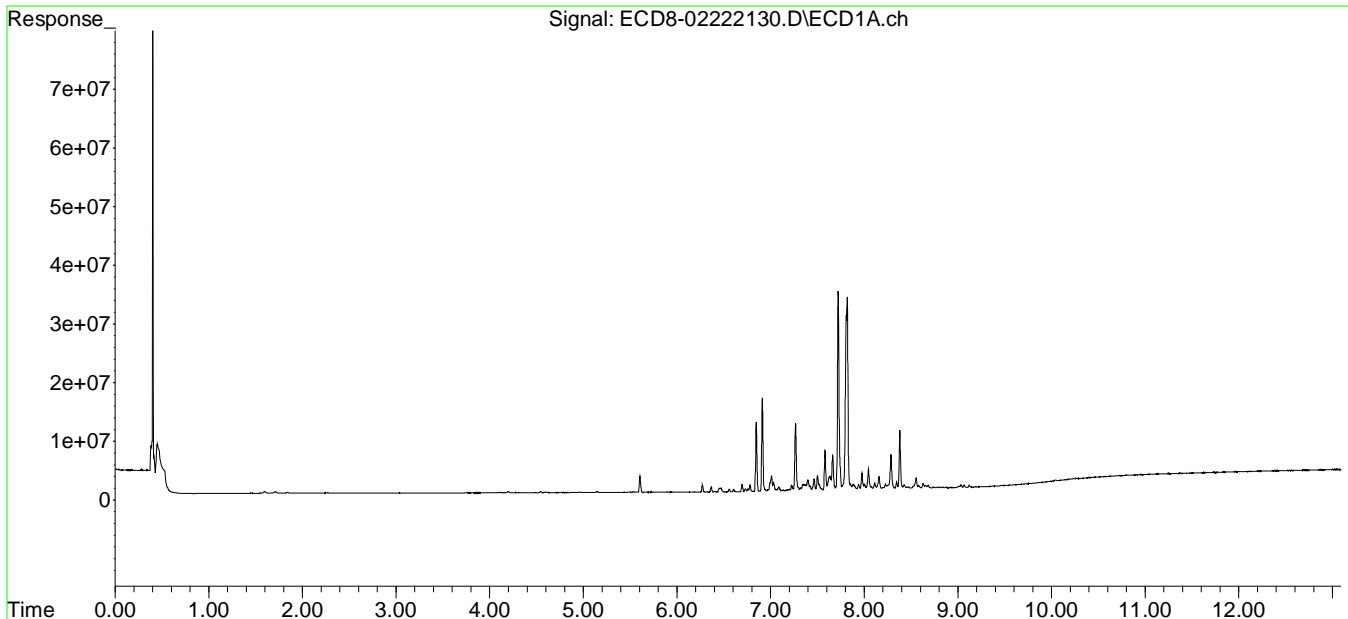
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.721	8.183	33851343	36977638	92.372	89.025
33)	Chlordane...	7.818	8.290	32854066	30689828	89.272	87.707
34)	Chlordane...	8.380	8.952	10002392	10165660	87.167	89.355
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222130.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 2:12  
Operator : MJB  
Sample : 1B22071-CALL  
Misc : A20L140, CHLOR 100 ppb  
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:18:22 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222131.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:28  
 Operator : MJB  
 Sample : 1B22071-CALM  
 Misc : A20L141, CHLOR 200 ppb  
 ALS Vial : 27 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:18:54 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222131.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:28  
 Operator : MJB  
 Sample : 1B22071-CALM  
 Misc : A20L141, CHLOR 200 ppb  
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:18:54 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

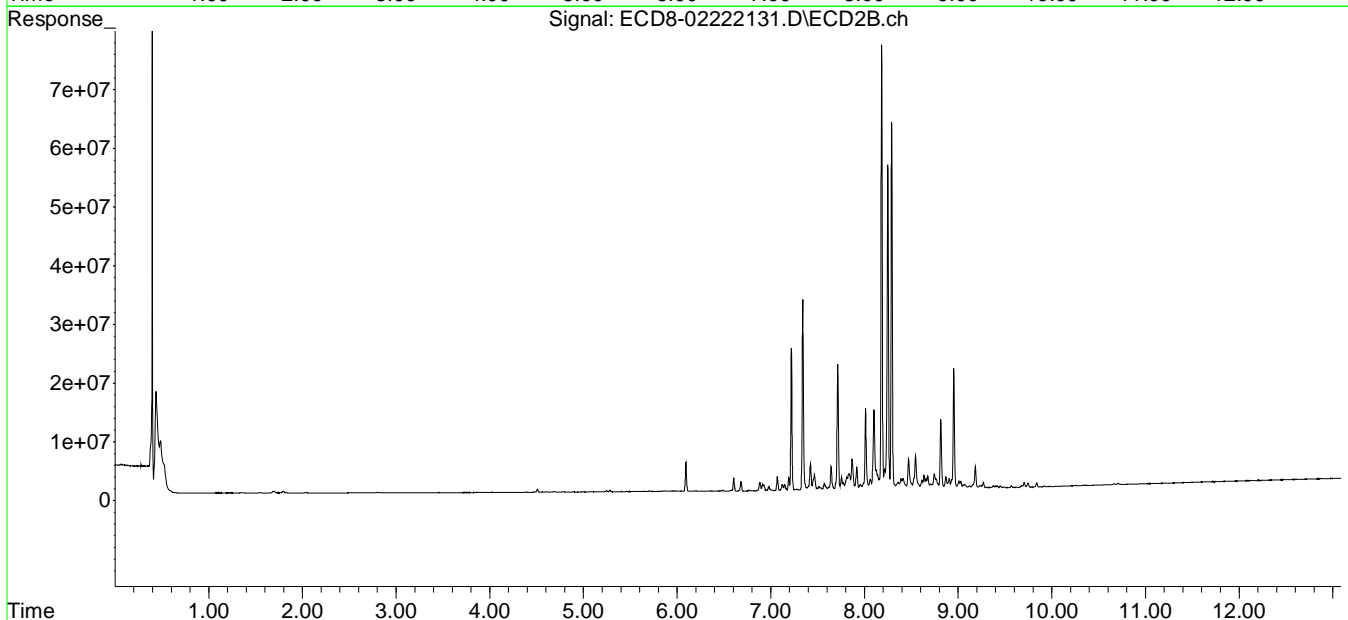
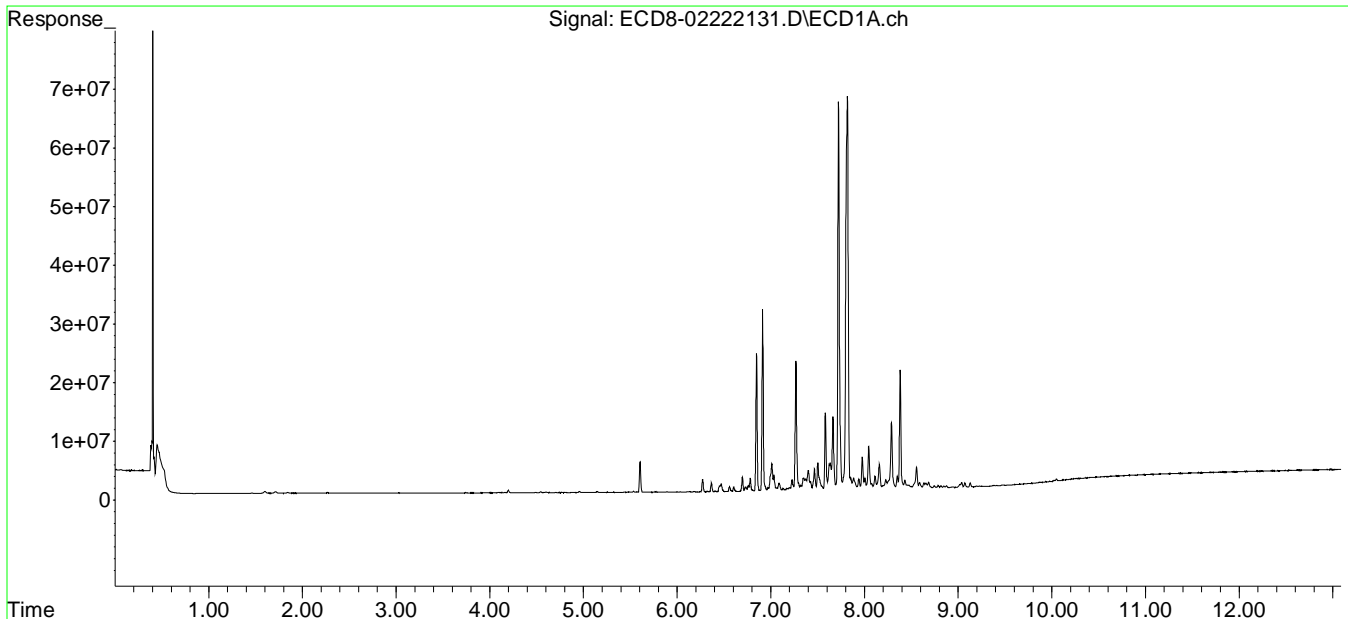
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.722	8.183	66077764	75676309	180.311	182.194
33)	Chlordane...	7.818	8.290	66989579	62512842	182.026	178.652
34)	Chlordane...	8.381	8.953	20189624	20473908	175.945	179.963
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222131.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 2:28  
Operator : MJB  
Sample : 1B22071-CALM  
Misc : A20L141, CHLOR 200 ppb  
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:18:54 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222132.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:44  
 Operator : MJB  
 Sample : 1B22071-CALN  
 Misc : A20L142, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:52:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:51:26 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222132.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 2:44  
 Operator : MJB  
 Sample : 1B22071-CALN  
 Misc : A20L142, CHLOR 500 ppb  
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:52:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:51:26 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

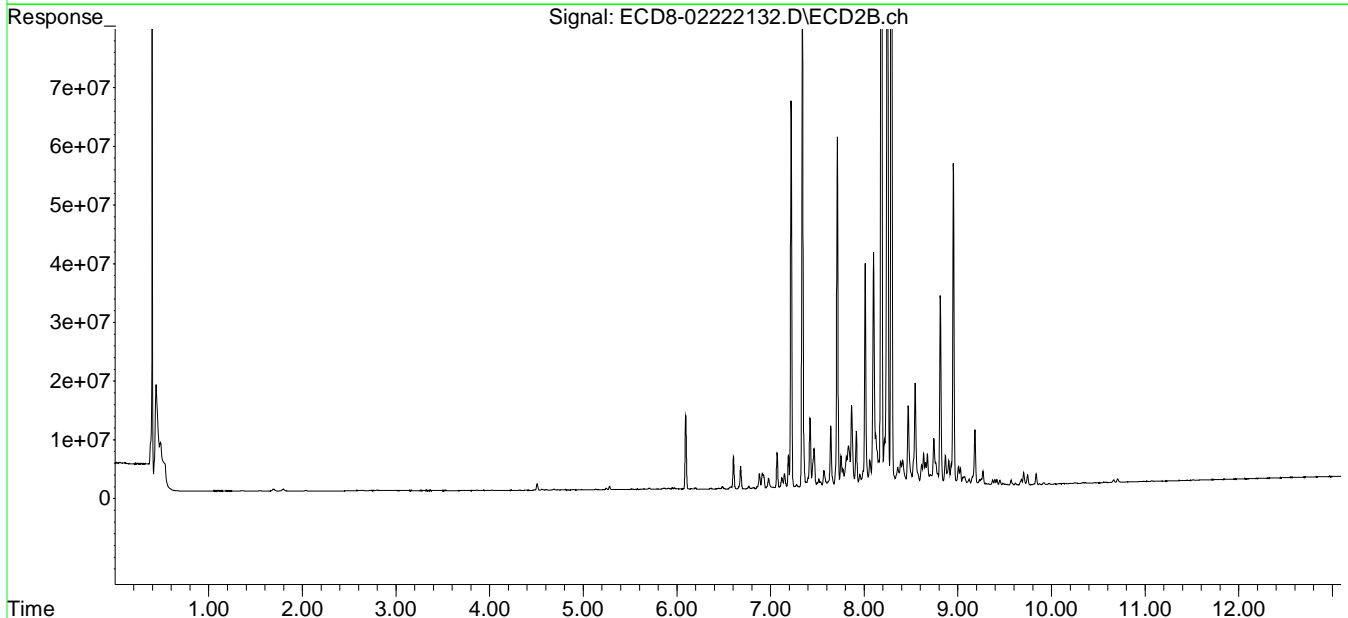
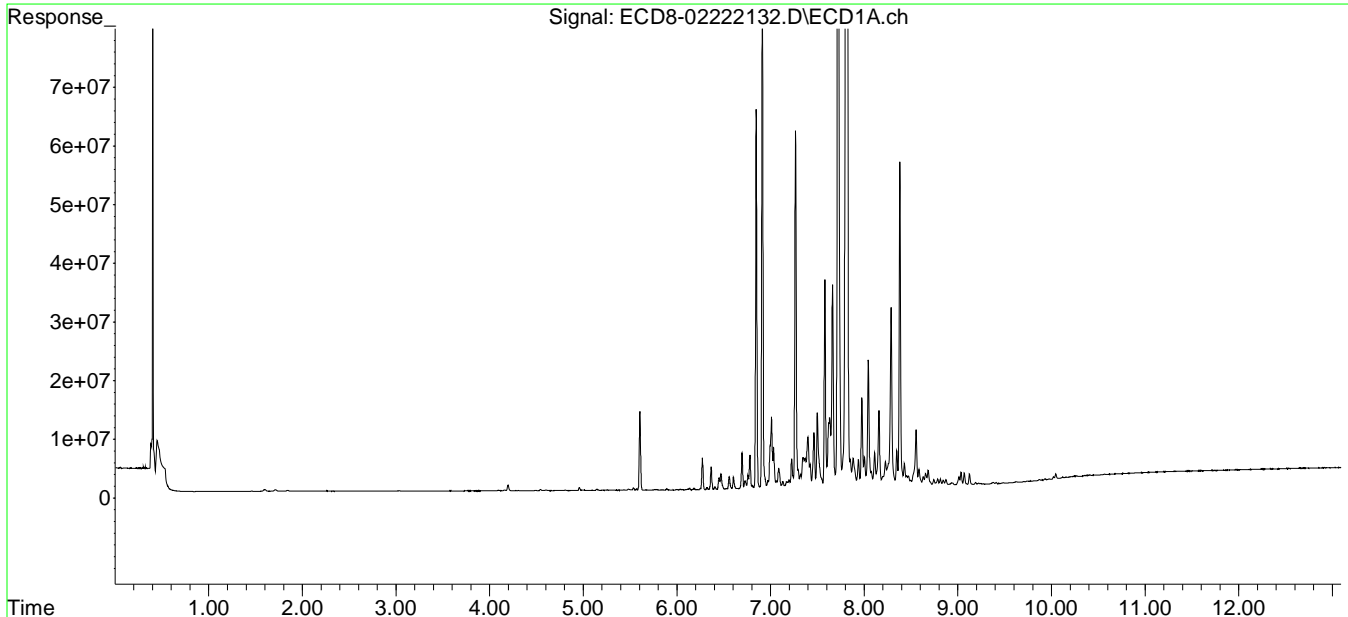
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.720	8.183	180.9E6	215.6E6	493.719	519.159
33)	Chlordane...	7.816	8.290	177.5E6	178.4E6	482.383	509.949
34)	Chlordane...	8.380	8.952	55171659	54913459	480.801	482.681
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222132.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 2:44  
Operator : MJB  
Sample : 1B22071-CALN  
Misc : A20L142, CHLOR 500 ppb  
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:52:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:51:26 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222133.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:01  
 Operator : MJB  
 Sample : 1B22071-CALO  
 Misc : A20L143, CHLOR 1000 ppb  
 ALS Vial : 29 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:19:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222133.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:01  
 Operator : MJB  
 Sample : 1B22071-CALO  
 Misc : A20L143, CHLOR 1000 ppb  
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:19:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

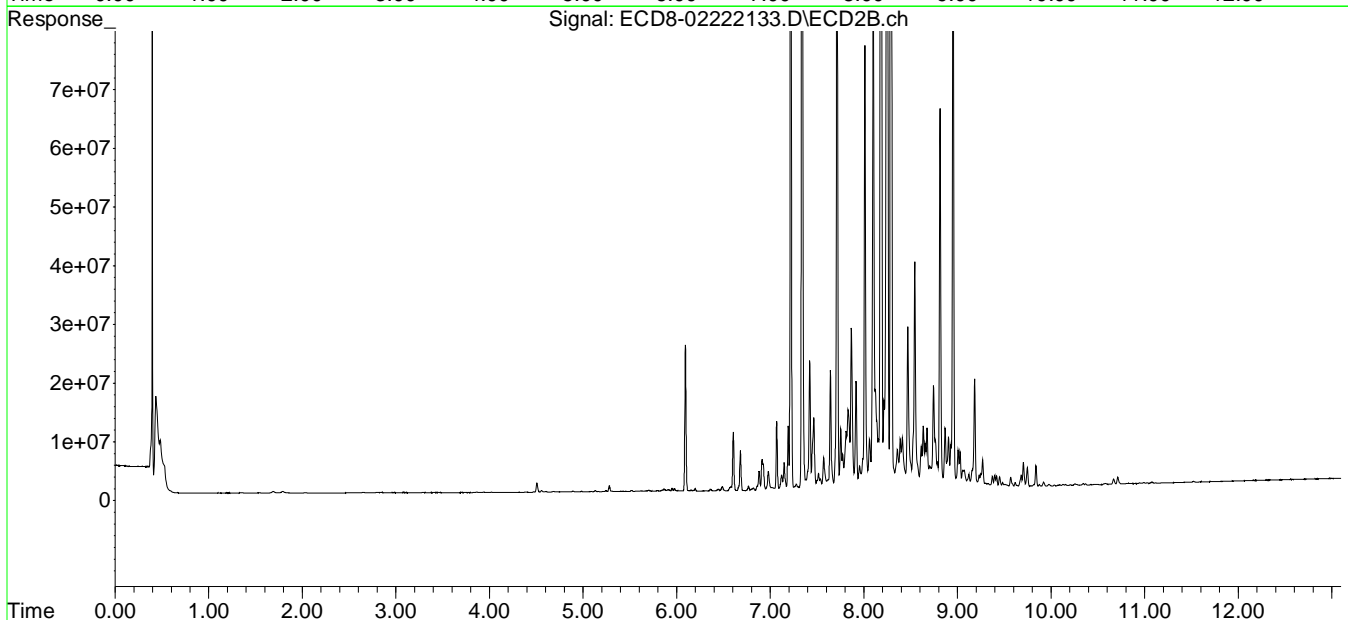
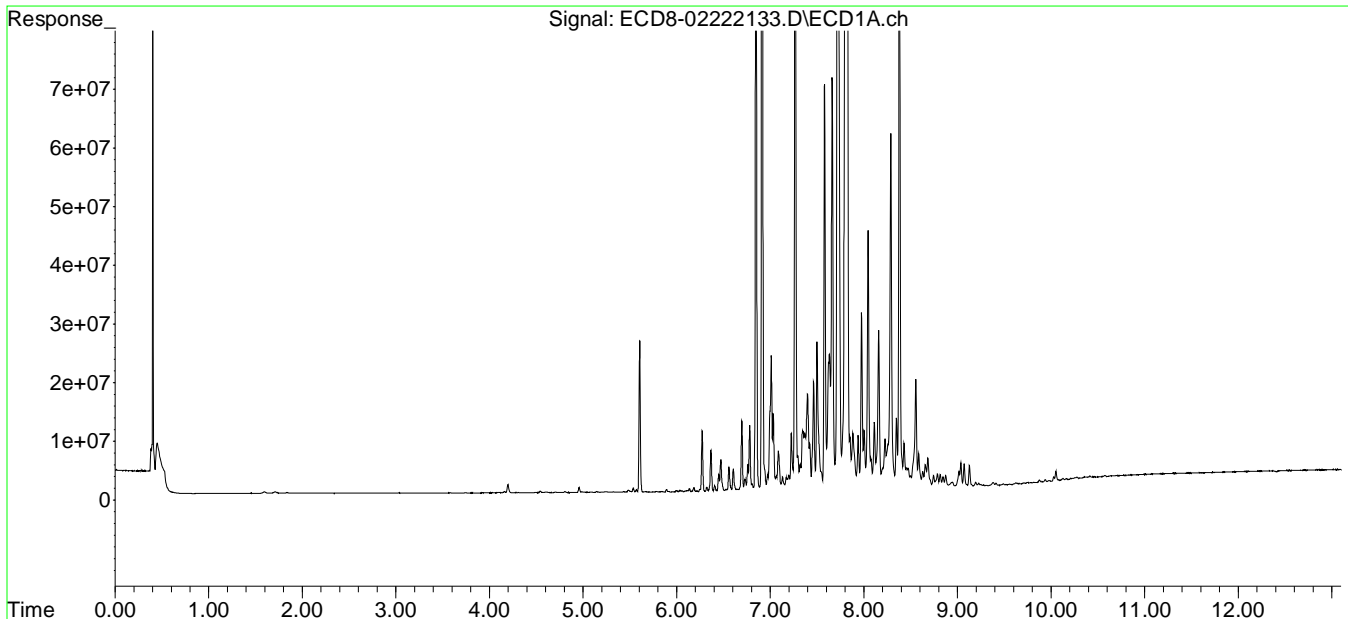
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.722	8.183	351.0E6	425.6E6	957.704	1024.720
33)	Chlordane...	7.817	8.291	336.8E6	362.3E6	915.035	1035.288
34)	Chlordane...	8.380	8.953	108.2E6	113.4E6	943.266	996.452
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222133.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 3:01  
Operator : MJB  
Sample : 1B22071-CALO  
Misc : A20L143, CHLOR 1000 ppb  
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:19:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222134.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:17  
 Operator : MJB  
 Sample : 1B22071-CALP  
 Misc : A20L138, CHLOR 2000 ppb  
 ALS Vial : 30 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:19:58 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222134.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 3:17  
 Operator : MJB  
 Sample : 1B22071-CALP  
 Misc : A20L138, CHLOR 2000 ppb  
 ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:19:58 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

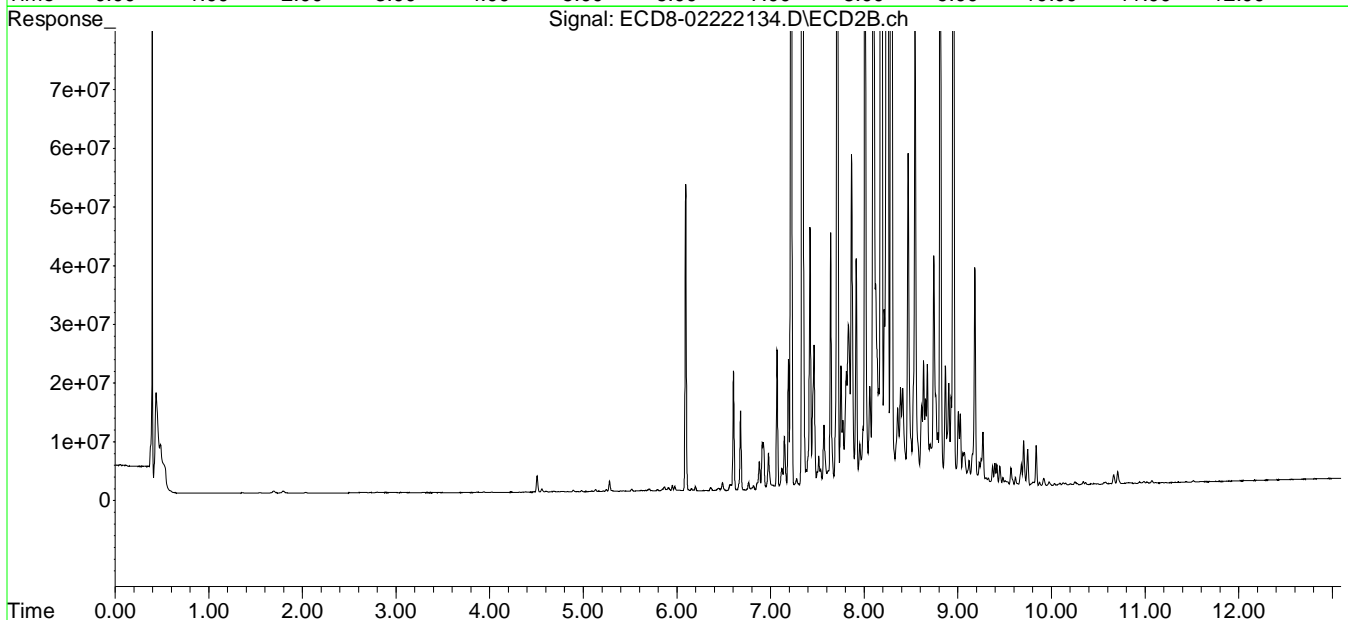
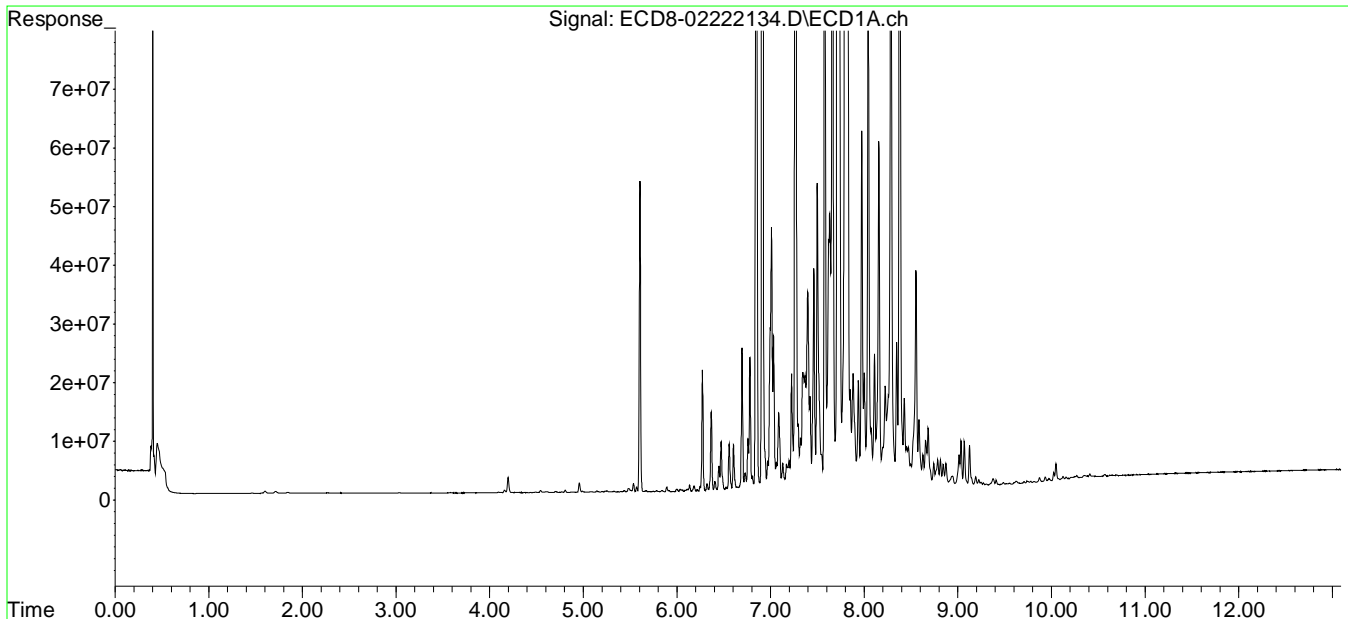
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.720	8.182	732.3E6	925.9E6	1998.219	2229.237
33)	Chlordane...	7.817	8.290	687.0E6	736.8E6	1866.663	2105.582
34)	Chlordane...	8.380	8.952	216.8E6	230.2E6	1889.457	2023.374
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222134.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 3:17  
Operator : MJB  
Sample : 1B22071-CALP  
Misc : A20L138, CHLOR 2000 ppb  
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:19:58 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222137.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:06  
 Operator : MJB  
 Sample : 1B22071-CALQ  
 Misc : A21B429, TOX 10 ppb  
 ALS Vial : 32 Sample Multiplier: 1

NR. Standard contaminated with trace  
 levels of pesticide standard. Standard  
 remade and re-analyzed.

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:20:34 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222137.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:06  
 Operator : MJB  
 Sample : 1B22071-CALQ  
 Misc : A21B429, TOX 10 ppb  
 ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:20:34 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

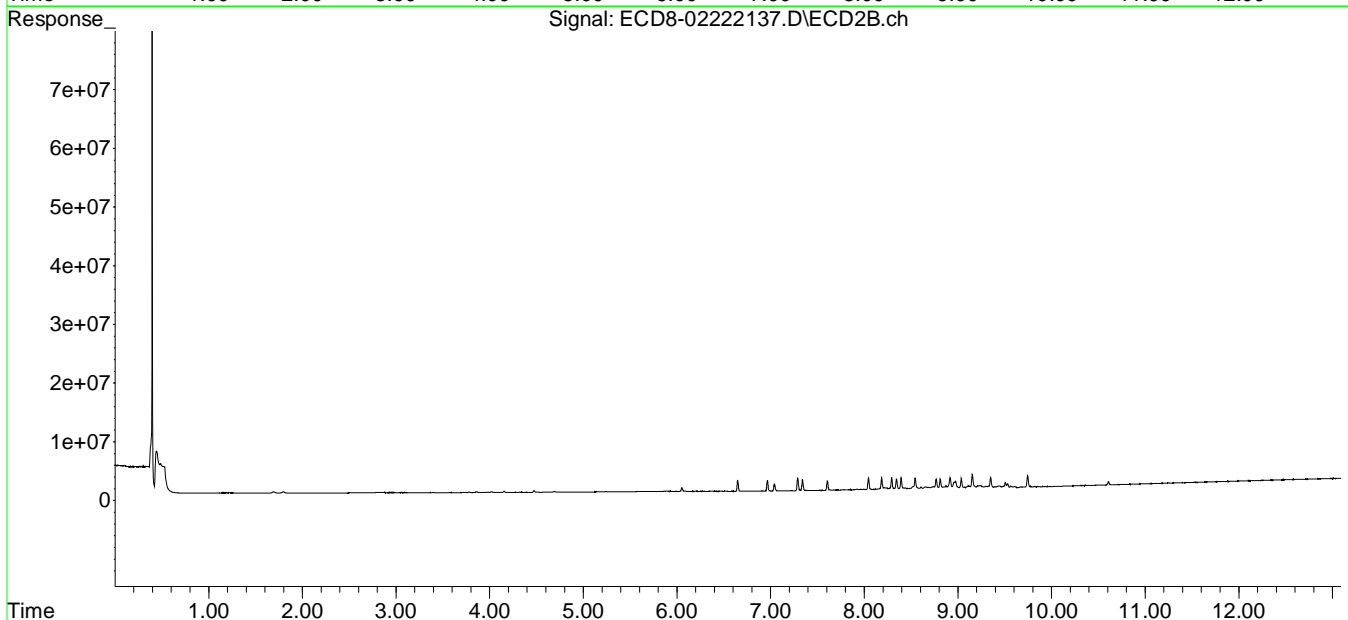
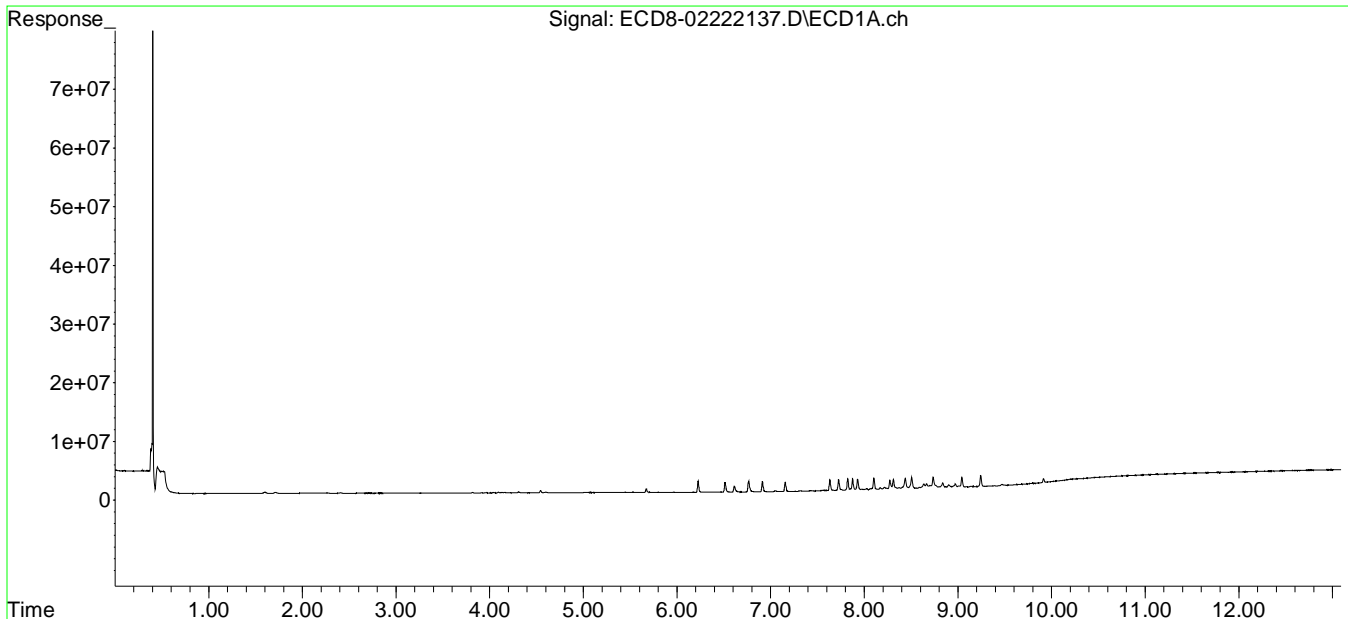
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.823f	8.543f	1966801	1924726	132.206	50.643 #
37)	Toxaphene...	8.102	8.873	1986274	476002	60.302	10.097 #
38)	Toxaphene...	8.437	8.916	1755370	1837713	25.321	26.129
39)	Toxaphene...	8.665	8.973	750624	1235312	10.086	10.369
40)	Toxaphene...	8.901	9.153	456472	2365594	7.689	34.338 #
41)	Toxaphene...	8.973	9.531	575516	654011	8.548	8.734
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222137.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 4:06  
Operator : MJB  
Sample : 1B22071-CALQ  
Misc : A21B429, TOX 10 ppb  
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:20:34 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222138.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:22  
 Operator : MJB  
 Sample : 1B22071-CALR  
 Misc : A20K260, TOX 50 ppb  
 ALS Vial : 33 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:23:34 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222138.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:22  
 Operator : MJB  
 Sample : 1B22071-CALR  
 Misc : A20K260, TOX 50 ppb  
 ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:23:34 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

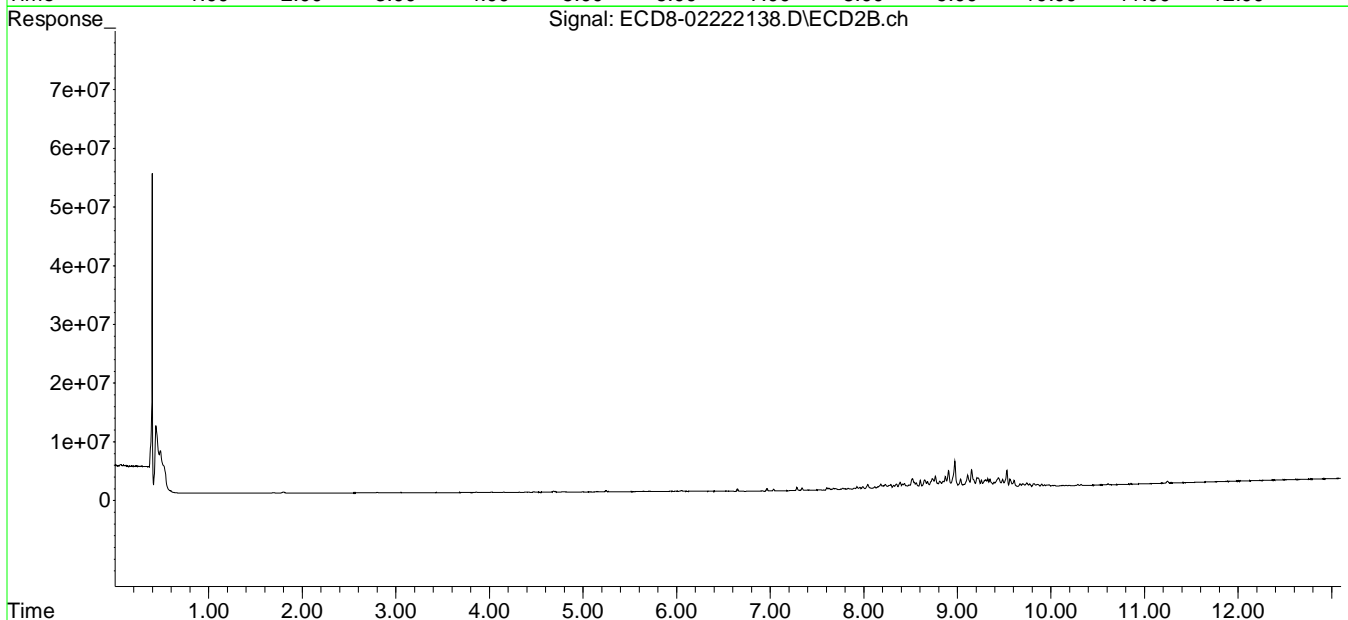
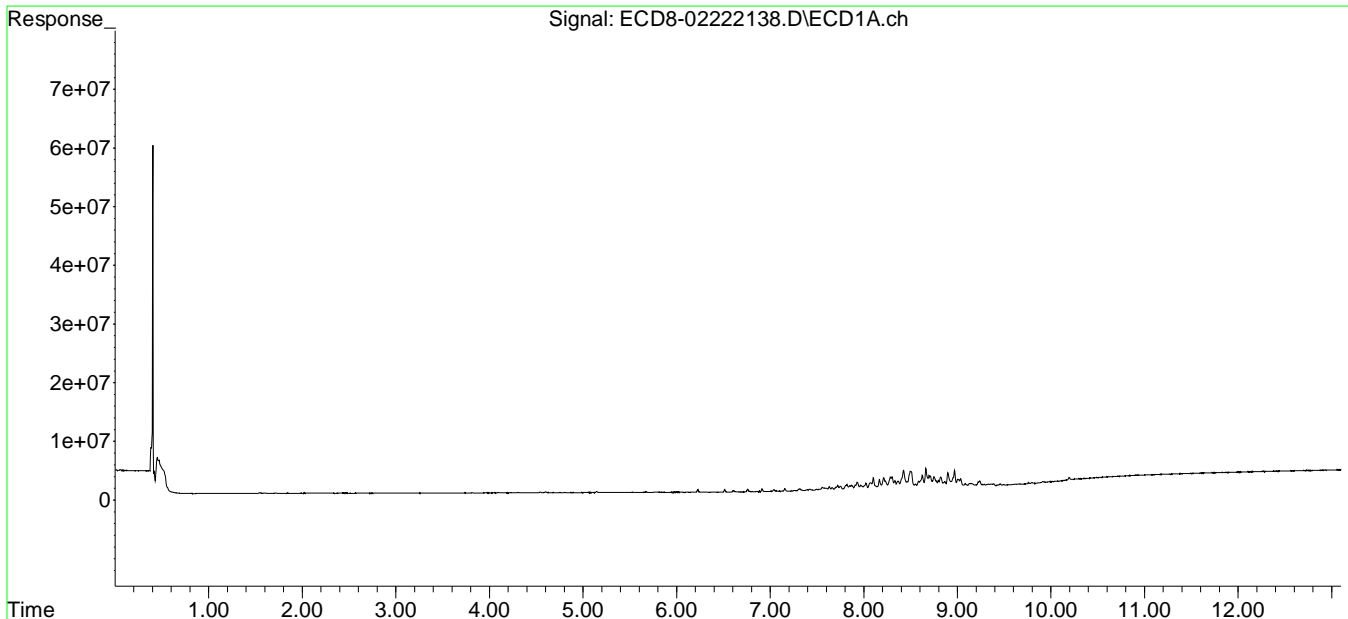
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.819	8.520	868189	1686629	58.359	44.378
37)	Toxaphene...	8.101	8.871	1904840	1961244	57.830	41.601 #
38)	Toxaphene...	8.424	8.905	3029220	2972853	43.697	42.268
39)	Toxaphene...	8.662	8.972	3231157	4585121	43.418	38.488
40)	Toxaphene...	8.898	9.151	2449110	3077821	41.256	44.677
41)	Toxaphene...	8.969	9.529	2794370	2855345	41.506	38.131
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222138.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 4:22  
Operator : MJB  
Sample : 1B22071-CALR  
Misc : A20K260, TOX 50 ppb  
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:23:34 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222139.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:38  
 Operator : MJB  
 Sample : 1B22071-CALS  
 Misc : A20K261, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:24:33 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222139.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:38  
 Operator : MJB  
 Sample : 1B22071-CALS  
 Misc : A20K261, TOX 100 ppb  
 ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:24:33 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.806	8.520	1440138	3106543	96.804	81.739
37)	Toxaphene...	8.102	8.872	2964252	3725171	89.993	79.016
38)	Toxaphene...	8.424	8.905	5609870	5410474	80.923	76.927
39)	Toxaphene...	8.663	8.973	5961327	9030733	80.103	75.804
40)	Toxaphene...	8.898	9.151	4547161	5204230	76.599	75.544
41)	Toxaphene...	8.970	9.529	5305290	5401052	78.801	72.128
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

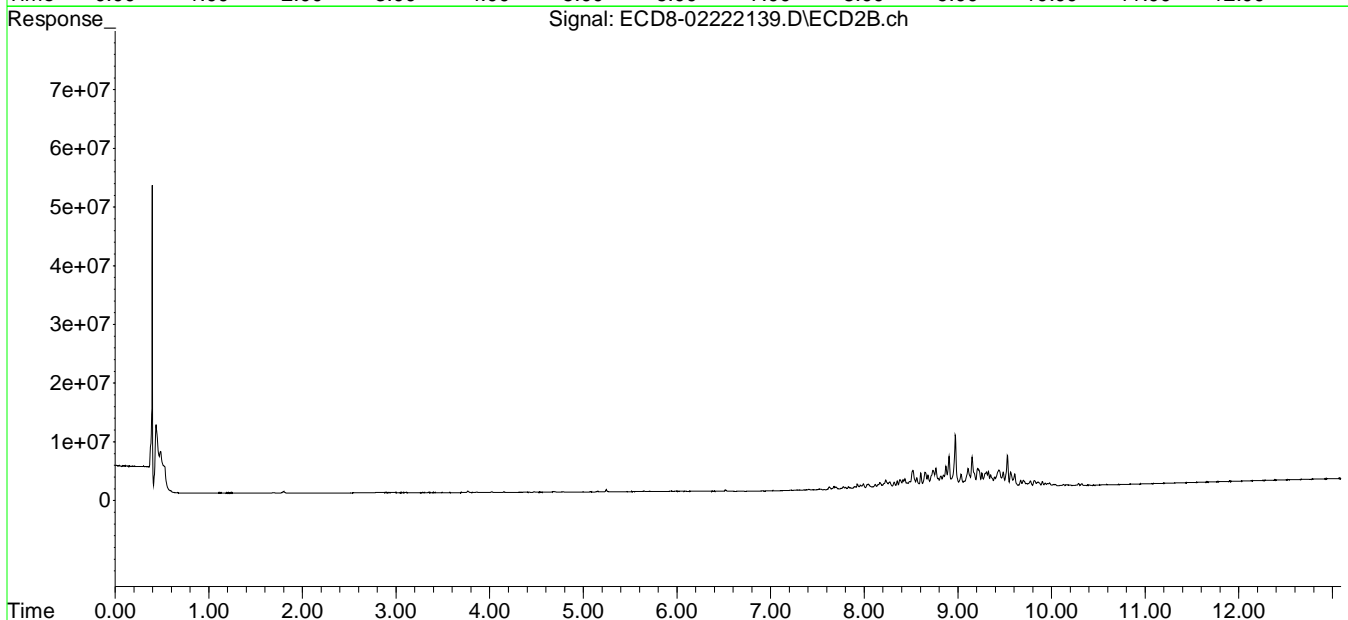
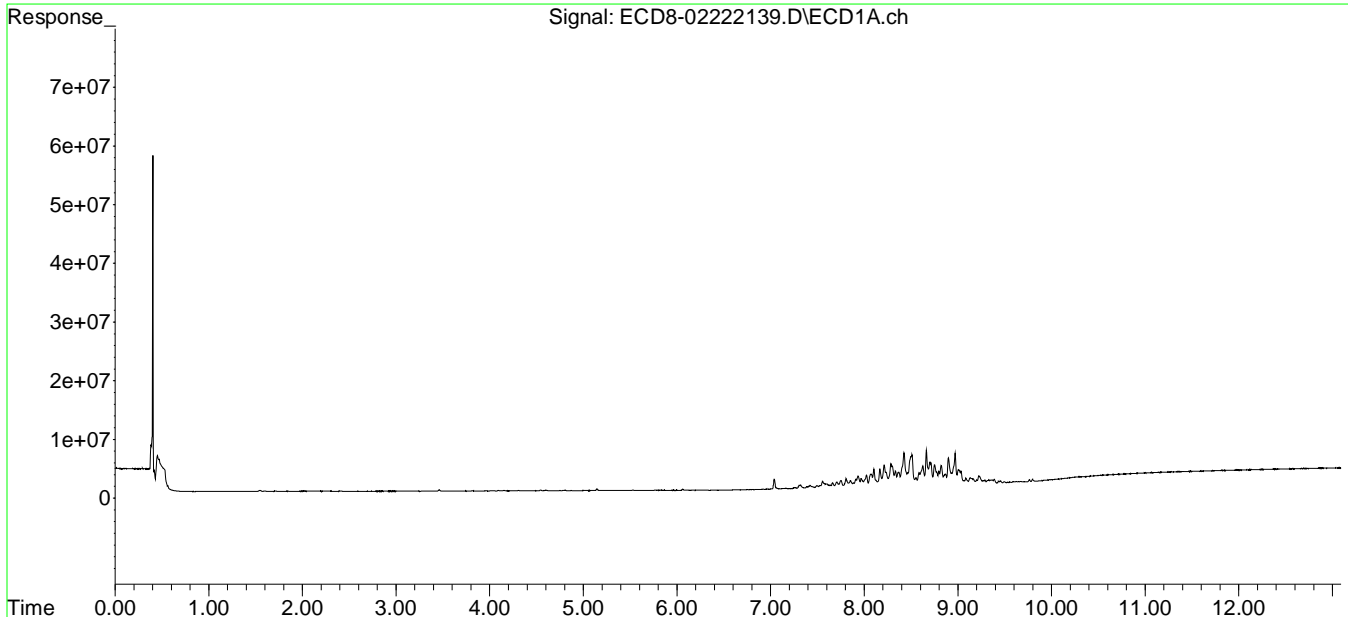
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222139.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 4:38  
Operator : MJB  
Sample : 1B22071-CALS  
Misc : A20K261, TOX 100 ppb  
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:24:33 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222140.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:54  
 Operator : MJB  
 Sample : 1B22071-CALT  
 Misc : A20K262, TOX 200 ppb  
 ALS Vial : 35 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:25:06 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222140.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 4:54  
 Operator : MJB  
 Sample : 1B22071-CALT  
 Misc : A20K262, TOX 200 ppb  
 ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:25:06 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

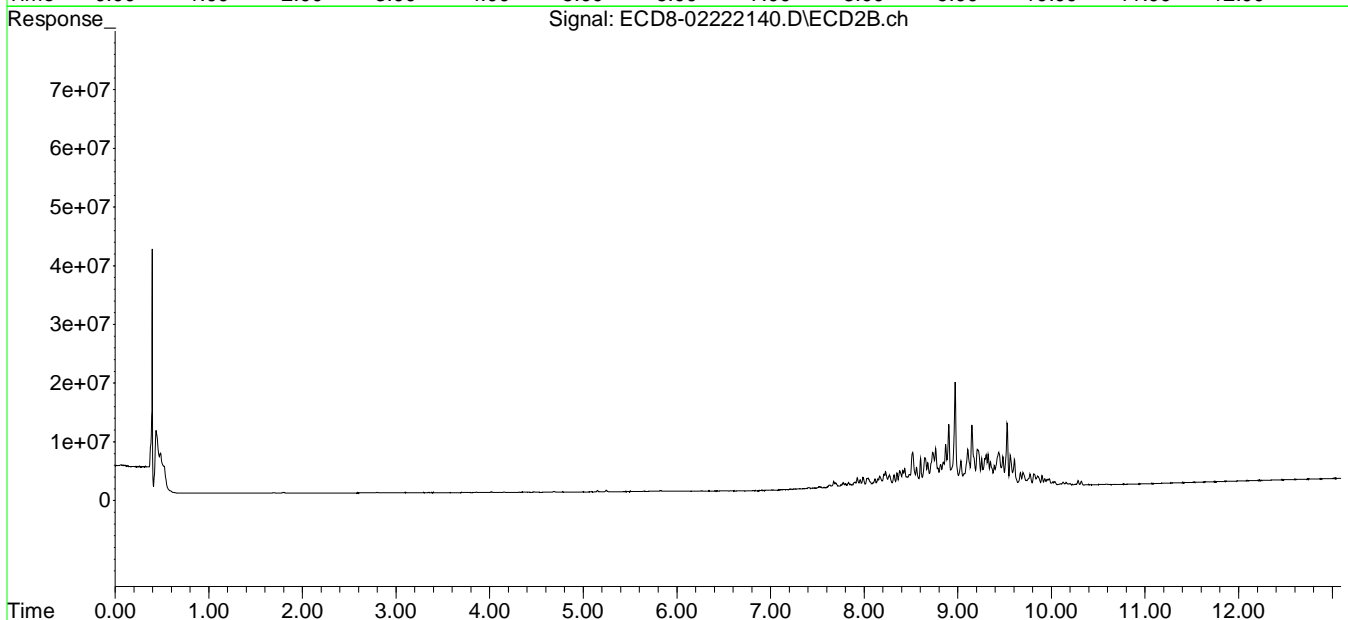
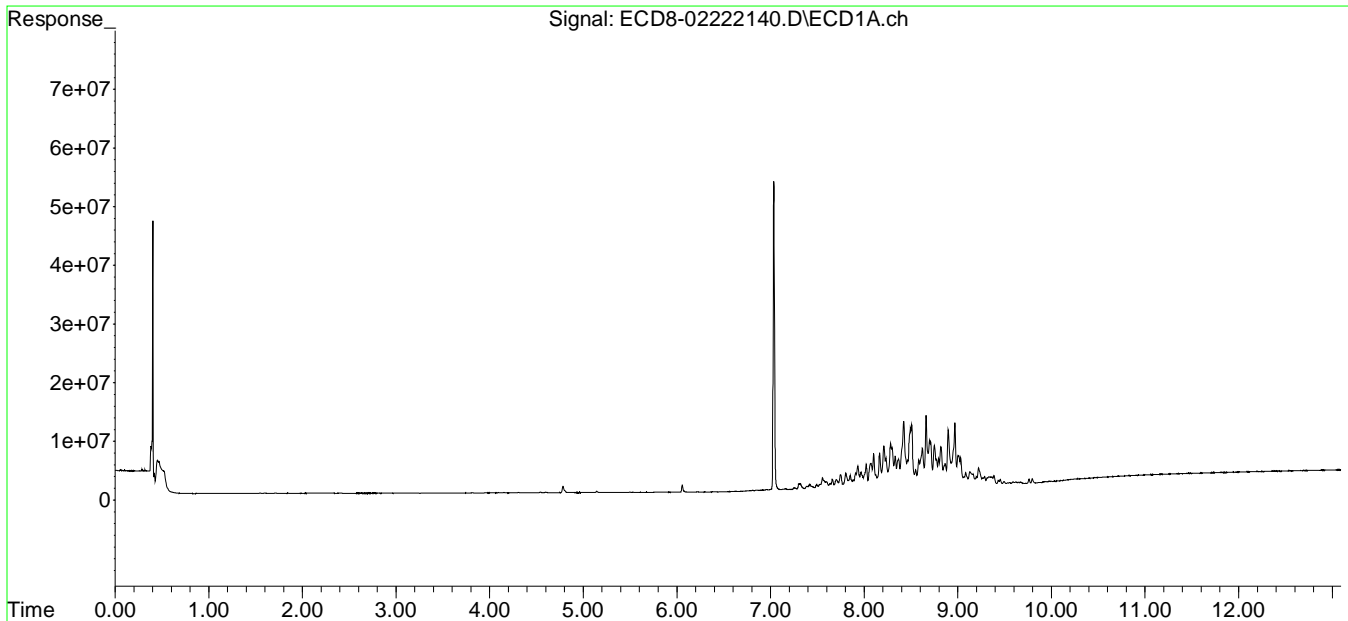
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.803	8.518	2647827	6044247	177.984	159.036
37)	Toxaphene...	8.101	8.870	5861871	7397244	177.963	156.906
38)	Toxaphene...	8.422	8.903	11217355	10793321	161.812	153.461
39)	Toxaphene...	8.661	8.972	12057055	17925372	162.013	150.466
40)	Toxaphene...	8.897	9.150	9534372	10608715	160.611	153.994
41)	Toxaphene...	8.968	9.527	10682954	10797928	158.677	144.200
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222140.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 4:54  
Operator : MJB  
Sample : 1B22071-CALT  
Misc : A20K262, TOX 200 ppb  
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:25:06 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222141.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:10  
 Operator : MJB  
 Sample : 1B22071-CALU  
 Misc : A20K263, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:54:57 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:52:59 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222141.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:10  
 Operator : MJB  
 Sample : 1B22071-CALU  
 Misc : A20K263, TOX 500 ppb  
 ALS Vial : 36 Sample Multiplier: 1

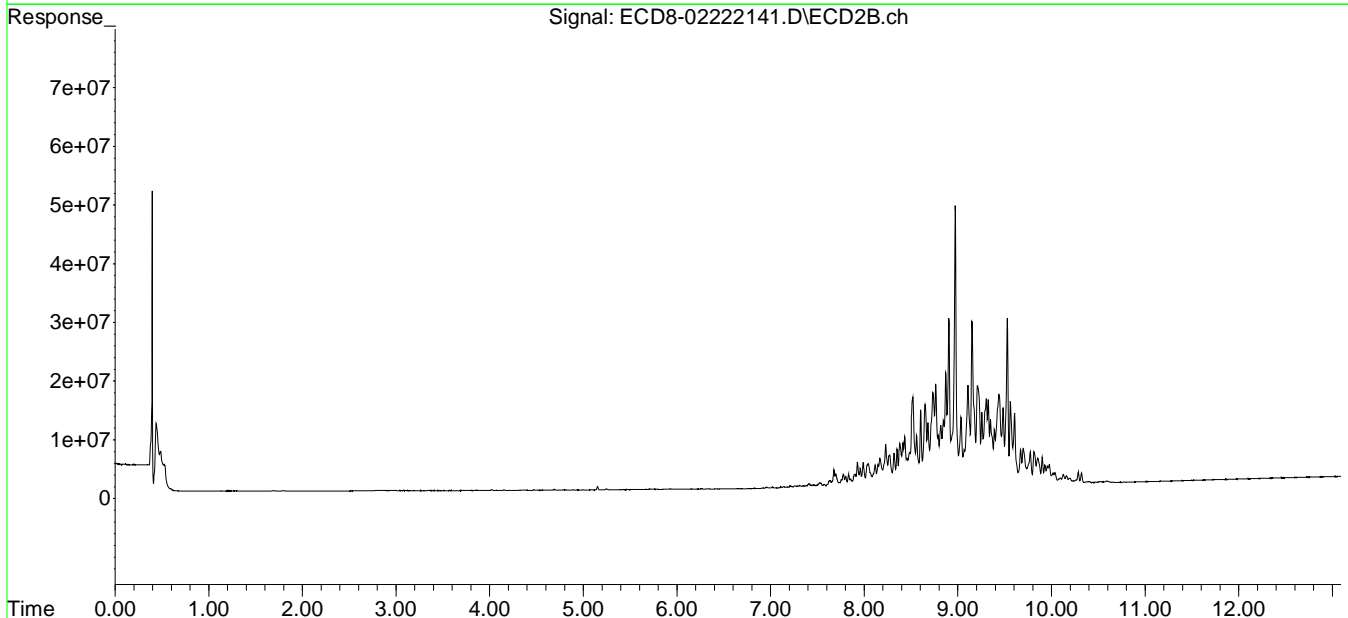
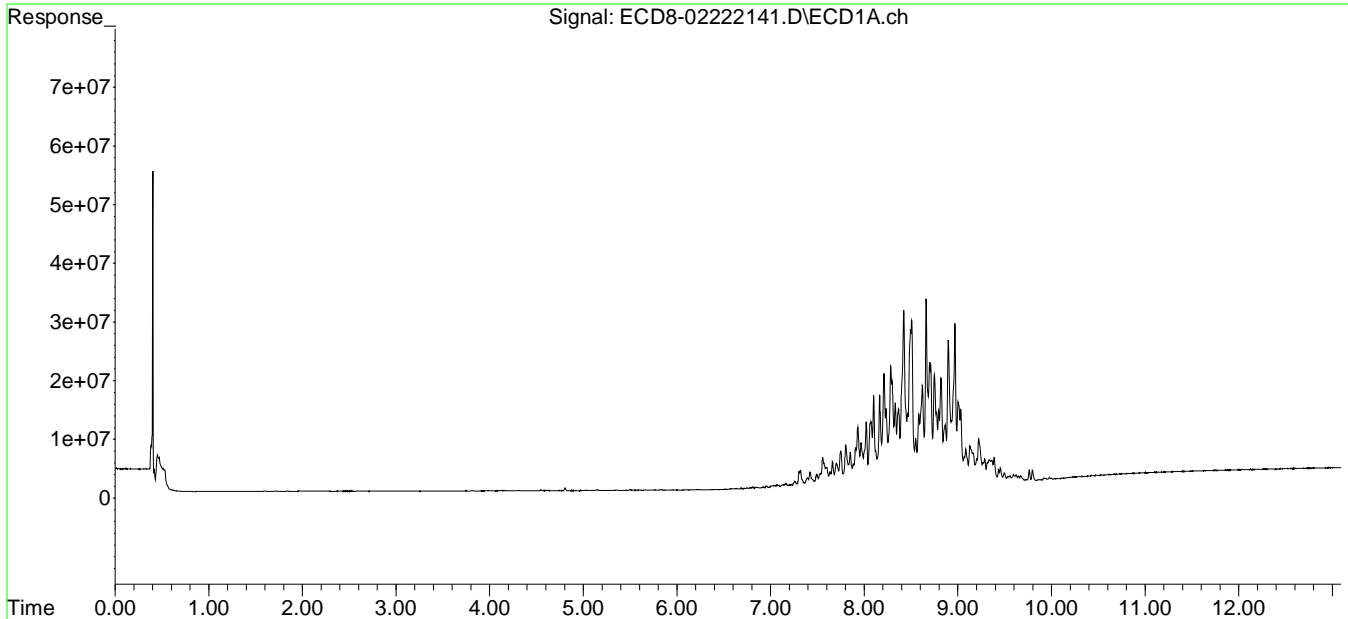
Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 09:54:57 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:52:59 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.803	8.519	6980111	15136847	469.195	398.280
37)	Toxaphene...	8.100	8.871	15291283	19246533	464.235	408.247
38)	Toxaphene...	8.422	8.904	29730815	28462823	428.871	404.689
39)	Toxaphene...	8.661	8.972	31451895	47556533	422.624	399.191
40)	Toxaphene...	8.897	9.151	24329694	27907934	409.845	405.106
41)	Toxaphene...	8.968	9.528	27178501	28324396	403.690	378.255
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-0222141.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 5:10  
Operator : MJB  
Sample : 1B22071-CALU  
Misc : A20K263, TOX 500 ppb  
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 09:54:57 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:52:59 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222142.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:27  
 Operator : MJB  
 Sample : 1B22071-CALV  
 Misc : A20K264, TOX 1000 ppb  
 ALS Vial : 37 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:25:45 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222142.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:27  
 Operator : MJB  
 Sample : 1B22071-CALV  
 Misc : A20K264, TOX 1000 ppb  
 ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:25:45 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

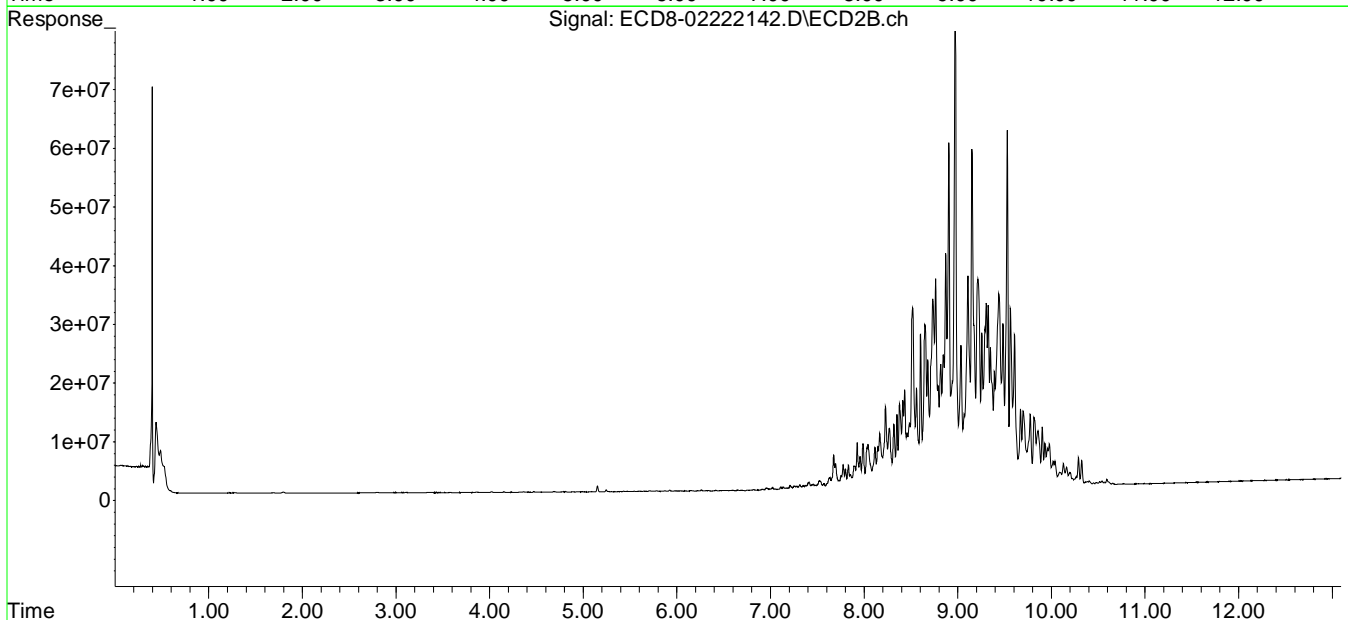
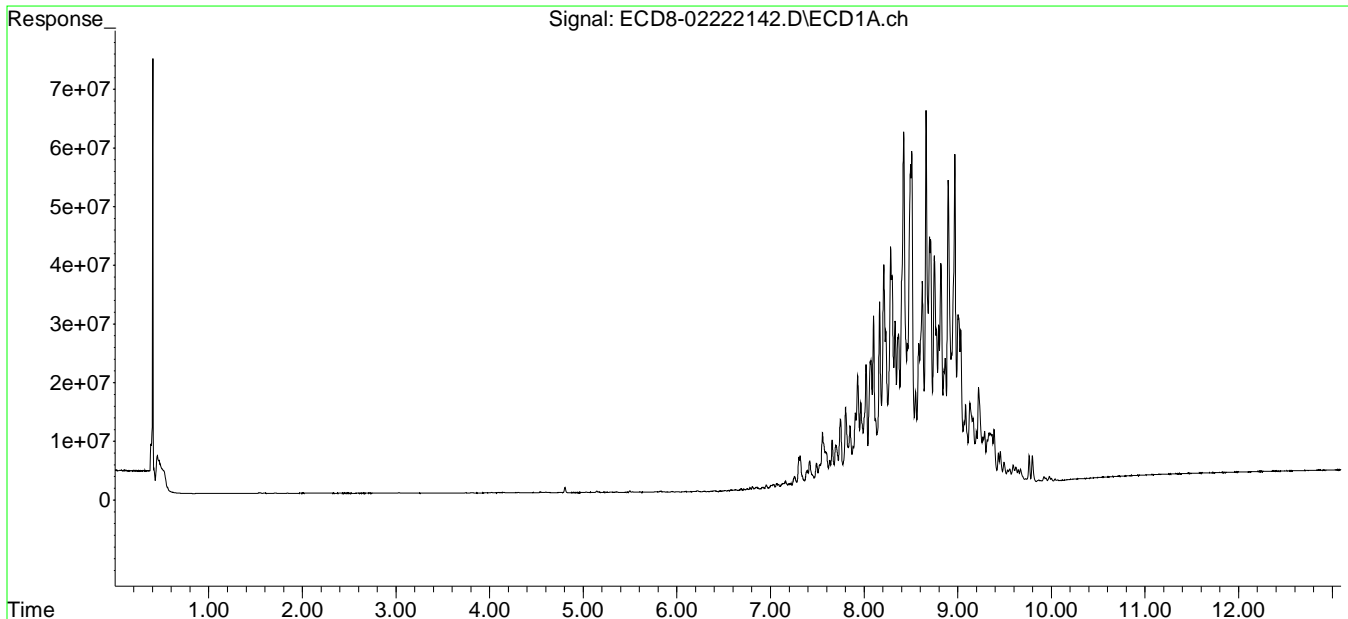
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.802	8.518	13651040	30688803	917.608	807.482
37)	Toxaphene...	8.100	8.871	29130086	39895889	884.373	846.249
38)	Toxaphene...	8.422	8.904	60329371	58691222	870.260	834.481
39)	Toxaphene...	8.661	8.973	63797261	99263208	857.254	833.218
40)	Toxaphene...	8.897	9.151	51870061	57570149	873.775	835.677
41)	Toxaphene...	8.968	9.528	56217871	60678193	835.020	810.320
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222142.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 5:27  
Operator : MJB  
Sample : 1B22071-CALV  
Misc : A20K264, TOX 1000 ppb  
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:25:45 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222143.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:43  
 Operator : MJB  
 Sample : 1B22071-CALW  
 Misc : A20K259, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:26:24 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlordan	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

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222143.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 5:43  
 Operator : MJB  
 Sample : 1B22071-CALW  
 Misc : A20K259, TOX 2000 ppb  
 ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 10:26:24 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

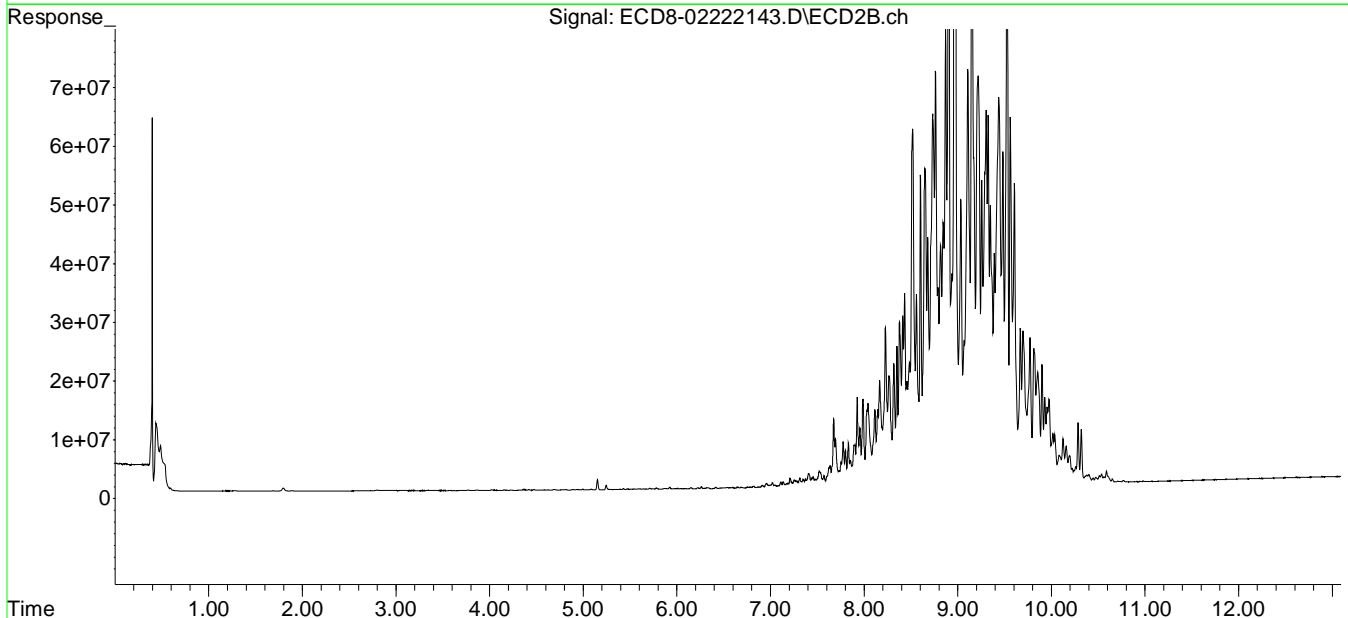
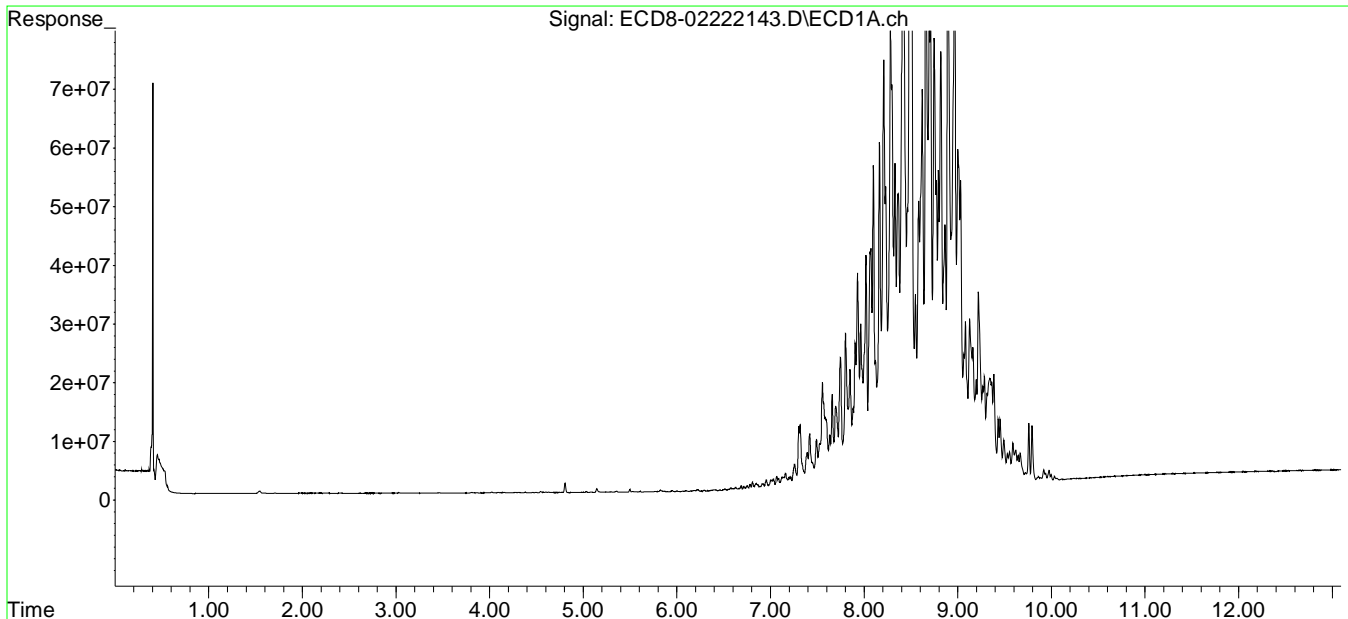
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.801	8.517	26160089	60754066	1758.452	1598.557
37)	Toxaphene...	8.098	8.869	54599876	77657816	1657.622	1647.234
38)	Toxaphene...	8.420	8.903	114.6E6	114.6E6	1653.650	1629.779
39)	Toxaphene...	8.659	8.971	124.1E6	197.3E6	1667.963	1656.099
40)	Toxaphene...	8.895	9.150	99913254	115.5E6	1683.084	1677.136
41)	Toxaphene...	8.967	9.527	108.3E6	124.6E6	1609.240	1663.484
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222143.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 5:43  
Operator : MJB  
Sample : 1B22071-CALW  
Misc : A20K259, TOX 2000 ppb  
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 10:26:24 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



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

Sequence 1B25056 (Cal ID A1B2503) DUALECD8



# ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **1B25056**

Instrument: **DUALECD8**

Date: **02/25/21 14:50**

Calibration: **A1B2503**

#	<u>Lab Number</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Client</u>	<u>Due</u>	<u>Batch</u>	<u>ISTD.ID</u>	<u>STD.ID</u>
1	1B25056-BKD1	Water	QC	QC				A20K279
2	1B25056-ICB1	Water	QC	QC				A21B195
3	1B25056-CAL1	Water	QC	QC				A21B443
4	1B25056-CAL2	Water	QC	QC				A21B444
5	1B25056-CAL3	Water	QC	QC				A21B445
6	1B25056-CAL4	Water	QC	QC				A21B446
7	1B25056-CAL5	Water	QC	QC				A21B447

## ICAL

Data Entered By/Date: MJB 2/25/21

Data Reviewed By/Date: MKZ 3/5/2021

Comments: Remade low level Cal points. Files originally ran in sequence 1B22071, but moved to this sequence due to Element limits on the number of Cal files that can propagate a sequence.

2/25/2021 4:22:27PM

Page 1 of 2

Sequence: **1B25056**

Instrument: **DUALECD8**

Date: **02/25/21 14:50**

Calibration: **A1B2503**

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<u>#</u>	<u>Lab Number</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Client</u>	<u>Due</u>	<u>Batch</u>	<u>ISTD ID</u>	<u>STD ID</u>
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# CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B25056

### Analysis Included

1311/8081B TCLP Pest Reg List  
 1311/8081B TCLP Pest Reg List +ADD  
 1311/8081B TCLP Pesticides (All)  
 1311/8081B TCLP Pesticides + Add (All)  
 1312/8081B SPLP Pesticides  
 608.3 Pesticides  
 608.3 Additional  
 608.3 Chlordane  
 608.3 Pest (Chlordane)  
 608.3 Pest + Add (250mL) - Development  
 608.3 Pesticides (DDT Only)  
 608.3 Pesticides (SW)  
 608.3 Pesticides (SW) Full List  
 608.3 Pesticides (TTO)  
 608.3 Toxaphene  
 8081B Pesticides  
 8081B 2,4+4,4-DDx Only (+Add)  
 8081B Chlordane  
 8081B DDT Only  
 8081B Pesticides + Add  
 8081B Pesticides + Add (Diss)  
 8081B RSET FW Sed (+Add) (2016)  
 8081B RSET Sediment List (+Add)  
 8081B RSET Sediment Marine (2016) (+Add)  
 8081B Toxaphene

### INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD ID</u>	<u>Analyzed</u>
1B25056-ICB1	Initial Cal Blank	Water	A21B195		2/25/2021 2:50:00PM
1B25056-CAL1	Cal Standard	Water	A21B443	"	2/25/2021 2:50:00PM
1B25056-CAL2	Cal Standard	Water	A21B444	"	2/25/2021 2:50:00PM
1B25056-CAL3	Cal Standard	Water	A21B445	"	2/25/2021 2:50:00PM
1B25056-CAL4	Cal Standard	Water	A21B446	"	2/25/2021 2:50:00PM
1B25056-CAL5	Cal Standard	Water	A21B447	"	2/25/2021 2:50:00PM

### CALIBRATION STANDARD RECOVERIES

Calibration: **A1B2503**

Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg L

Sequence: **1B25056**

Matrix: **Water**

<b>1B25056-CAL1</b>	<b>Inst. MRL</b>	<b>Recalc Res.</b>	<b>Cal Level</b>	<b>%Rec.</b>	<b>Qual</b>
<b>1B25056-CAL2</b>	<b>Inst. MRL</b>	<b>Recalc Res.</b>	<b>Cal Level</b>	<b>%Rec.</b>	<b>Qual</b>
<b>1B25056-CAL3</b>	<b>Inst. MRL</b>	<b>Recalc Res.</b>	<b>Cal Level</b>	<b>%Rec.</b>	<b>Qual</b>
<b>1B25056-CAL4</b>	<b>Inst. MRL</b>	<b>Recalc Res.</b>	<b>Cal Level</b>	<b>%Rec.</b>	<b>Qual</b>
<b>1B25056-CAL5</b>	<b>Inst. MRL</b>	<b>Recalc Res.</b>	<b>Cal Level</b>	<b>%Rec.</b>	<b>Qual</b>

# CALIBRATION SEQUENCE REVIEW SHEET

**SEQUENCE: 1B25056**

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:

Instrument:

Sequence:

Matrix:

Inst. MRL	ICV Level	Result	%Rec.	Qual
-----------	-----------	--------	-------	------

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222149.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:40  
 Operator : MJB 1B25056-ICB1  
 Sample : ~~1B22071-ICB2~~  
 Misc : A21B195  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:41:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.677	6.056	300.9E6	354.3E6	93.839	104.070
22) S DCBP (S)	9.910	10.605	190.1E6	172.6E6	99.006	99.379
Target Compounds						
2) a-BHC	0.000	6.651	0	14146	N.D.	0.003 #
3) g-BHC	6.489f	6.989f	24678	25753	0.007	0.007
4) b-BHC	6.580	7.020	19392	15242	0.012	BelowCal #
5) Heptachlor	6.917	7.332	33821	21099	0.010	0.006 #
6) d-BHC	6.753	7.290	14503	21196	0.004	BelowCal #
7) Aldrin	0.000	7.628f	0	414613	N.D.	0.118 #
8) Heptachlo...	7.621	8.045	19453	27153	0.006	0.008 #
9) trans-Chl...	7.710	8.203f	282728	648979	0.088	0.193 #
10) cis-Chlor...	7.807	8.296	21788	47825	0.007	0.015 #
11) Endosulfa...	7.909	8.338	53168	21763	0.018	0.007 #
12) 4,4'-DDE	7.873	8.389	186132	18389	0.054	0.005 #
13) Dieldrin	8.098	8.524	23843	24675	0.008	0.008
14) Endrin	8.272	8.771	16891	55704	0.007	0.025 #
15) 4,4'-DDD	8.313	8.809	10202	28282	0.004	0.010 #
16) Endosulfa...	8.430	8.893	14075	43694	0.006	0.016 #
17) 4,4'-DDT	8.498	9.017	21951	87507	0.009	0.001 #
18) Endrin Al...	8.732	9.156	78094	80673	BelowCal	BelowCal
19) Endosulfa...	9.041	9.355	32360	58687	0.013	0.022 #
20) Methoxychlor	8.825	9.499	35339	45571	0.028	0.035
21) Endrin Ke...	9.230	9.736	9417	60811	0.003	BelowCal #
23) Hexachlor...	0.000	3.783	0	57624	N.D.	0.014 #
24) Hexachlor...	6.065	6.519	505756	45354	0.155	0.013 #
25) Oxychlorane	7.548	7.983	26438	17036	0.010	0.006 #
26) 2,4'-DDE	7.621	8.144f	19453	11747	0.009	0.005 #
27) trans-Non...	7.807	8.283f	21788	53854	0.007	0.016 #
28) 2,4'-DDD	0.000	8.524	0	24675	N.D.	BelowCal
29) 2,4'-DDT	8.176	8.759	11622	52164	0.006	0.025 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222149.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:40  
 Operator : MJB 1B25056-ICB1  
 Sample : ~~1B22071-ICB2~~  
 Misc : A21B195  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:41:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

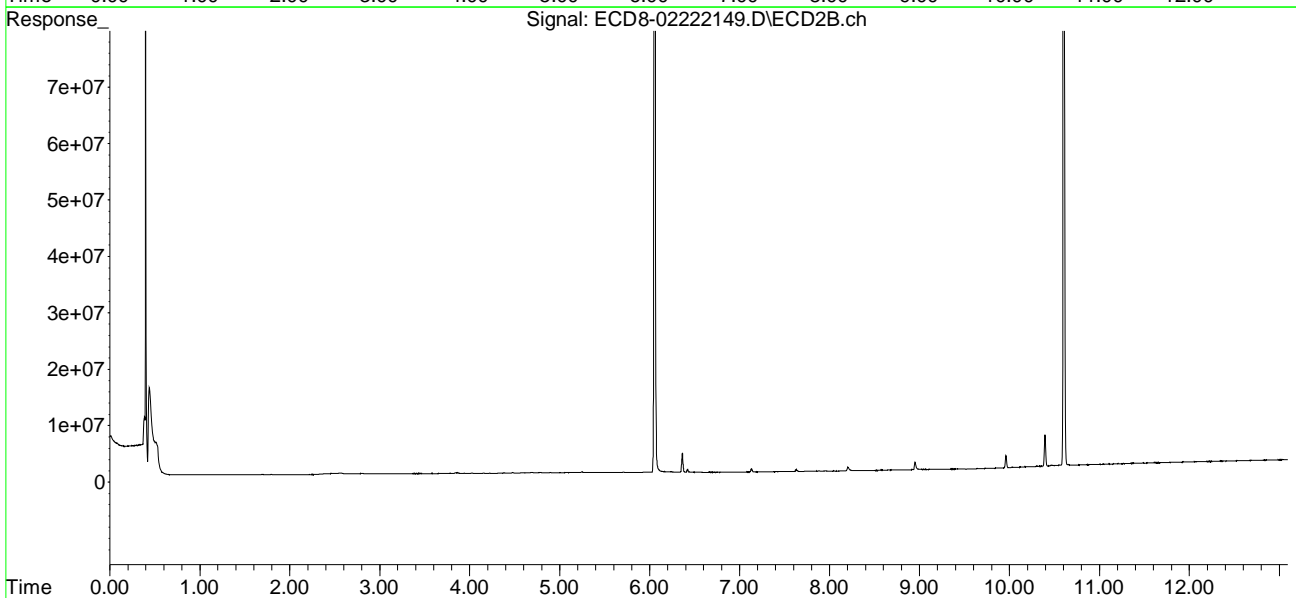
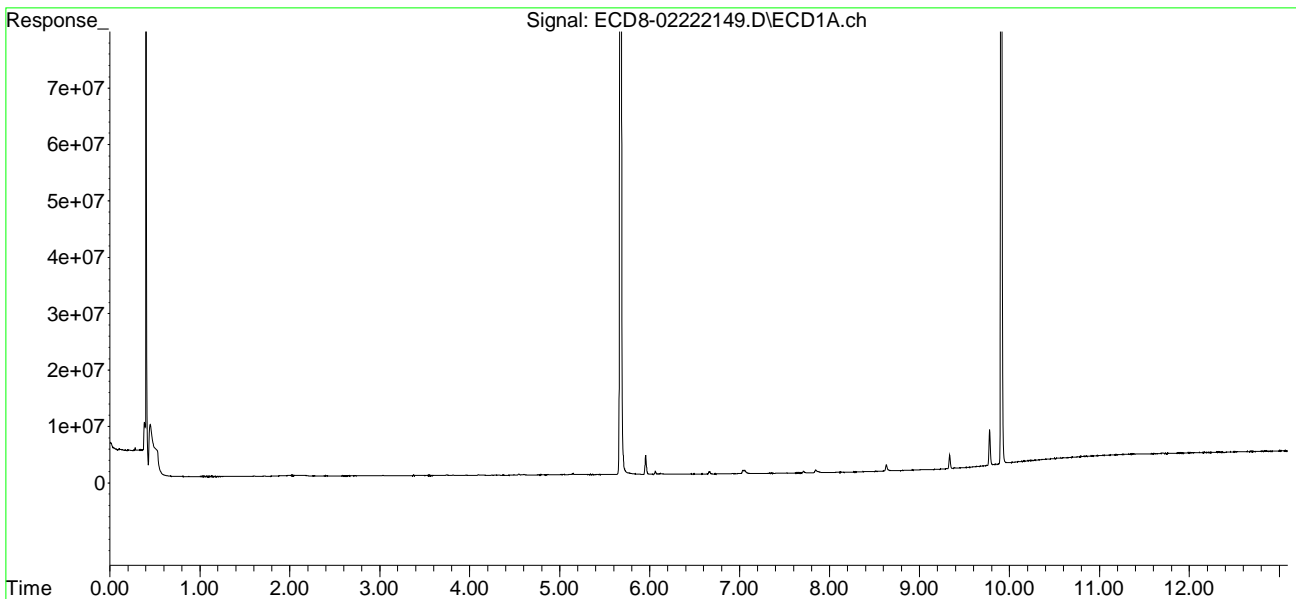
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.272	8.809	16891	28282	0.005	0.008 #
31)	Mirex	8.961	9.736	24694	60811	21703.390	BelowCal #
32)	Chlordane...	7.710	8.203f	282728	648979	0.808	1.608 #
33)	Chlordane...	7.807	8.296	21788	47825	0.063	0.142 #
34)	Chlordane...	8.385	8.951	25077	1374949	0.238	2.602 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.524	21788	24675	0.553	0.778 #
37)	Toxaphene...	8.098	8.893f	23843	43694	0.184	1.132 #
38)	Toxaphene...	8.421	8.893	16938	43694	0.293	0.757 #
39)	Toxaphene...	8.676	8.951f	95831	1374949	1.519	11.812 #
40)	Toxaphene...	8.898	9.156	28313	80673	0.596	BelowCal #
41)	Toxaphene...	8.968	9.532	21514	26993	0.399	0.470
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222149.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:40  
Operator : MJB 1B25056-ICB1  
Sample : ~~1B22071-ICB2~~  
Misc : A21B195  
ALS Vial : 3 Sample Multiplier: 1

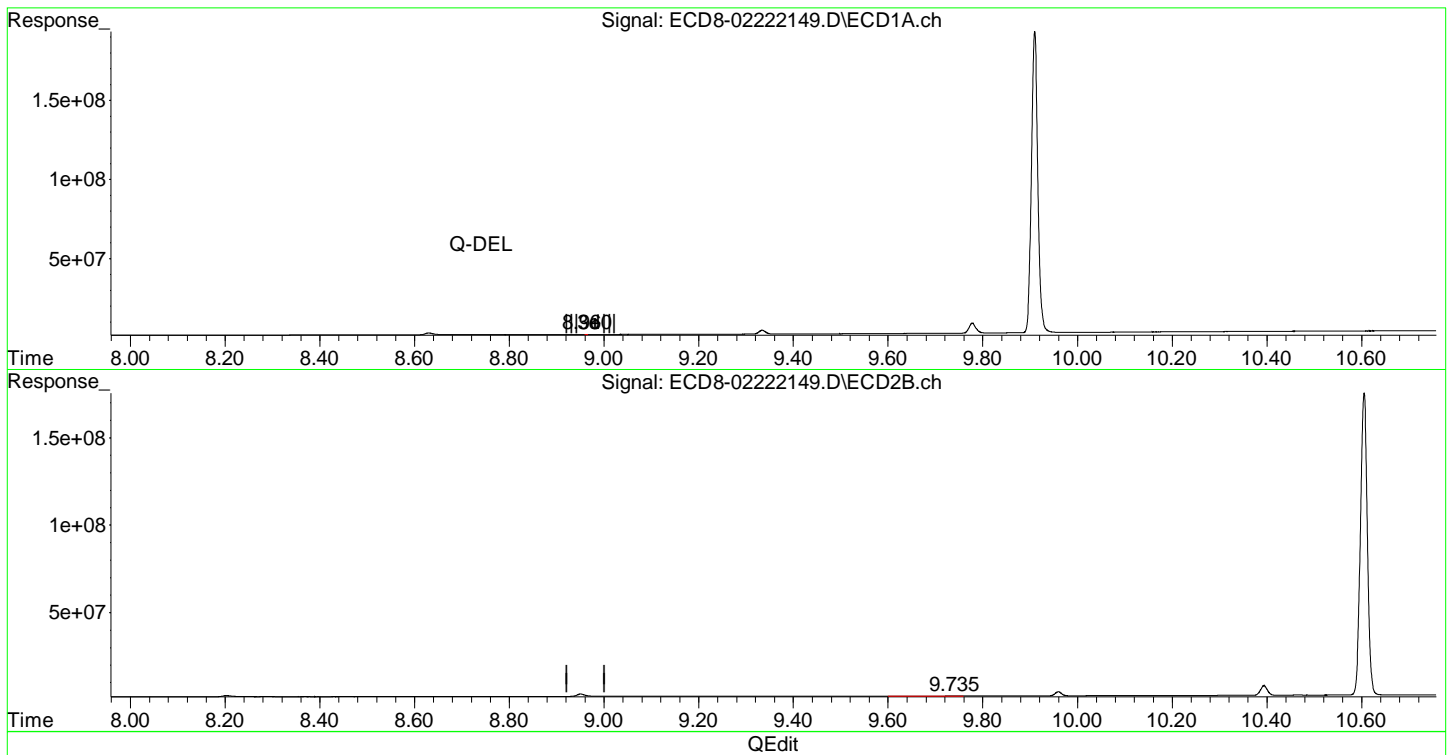
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:41:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222149.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:40  
Operator : MJB 1B25056-ICB1  
Sample : ~~1B22071-ICB2~~  
Misc : A21B195  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:41:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



(31) Mirex  
~~8.961min - 21703.390 ng/mL~~  
response ~~24694~~

(31) Mirex #2  
9.736min - 0.406 ng/mL  
response 60811

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222149.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:40  
 Operator : MJB 1B25056-ICB1  
 Sample : ~~1B22071-ICB2~~  
 Misc : A21B195  
 ALS Vial : 3 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:41:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.677	6.056	300.9E6	354.3E6	93.839	104.070
22) S DCBP (S)	9.910	10.605	190.1E6	172.6E6	99.006	99.379
Target Compounds						
2) a-BHC	0.000	6.651	0	14146	N.D.	0.003 #
3) g-BHC	6.489f	6.989f	24678	25753	0.007	0.007
4) b-BHC	6.580	7.020	19392	15242	0.012	BelowCal #
5) Heptachlor	6.917	7.332	33821	21099	0.010	0.006 #
6) d-BHC	6.753	7.290	14503	21196	0.004	BelowCal #
7) Aldrin	0.000	7.628f	0	414613	N.D.	0.118 #
8) Heptachlo...	7.621	8.045	19453	27153	0.006	0.008 #
9) trans-Chl...	7.710	8.203f	282728	648979	0.088	0.193 #
10) cis-Chlor...	7.807	8.296	21788	47825	0.007	0.015 #
11) Endosulfa...	7.909	8.338	53168	21763	0.018	0.007 #
12) 4,4'-DDE	7.873	8.389	186132	18389	0.054	0.005 #
13) Dieldrin	8.098	8.524	23843	24675	0.008	0.008
14) Endrin	8.272	8.771	16891	55704	0.007	0.025 #
15) 4,4'-DDD	8.313	8.809	10202	28282	0.004	0.010 #
16) Endosulfa...	8.430	8.893	14075	43694	0.006	0.016 #
17) 4,4'-DDT	8.498	9.017	21951	87507	0.009	0.001 #
18) Endrin Al...	8.732	9.156	78094	80673	BelowCal	BelowCal
19) Endosulfa...	9.041	9.355	32360	58687	0.013	0.022 #
20) Methoxychlor	8.825	9.499	35339	45571	0.028	0.035
21) Endrin Ke...	9.230	9.736	9417	60811	0.003	BelowCal #
23) Hexachlor...	0.000	3.783	0	57624	N.D.	0.014 #
24) Hexachlor...	6.065	6.519	505756	45354	0.155	0.013 #
25) Oxychlorane	7.548	7.983	26438	17036	0.010	0.006 #
26) 2,4'-DDE	7.621	8.144f	19453	11747	0.009	0.005 #
27) trans-Non...	7.807	8.283f	21788	53854	0.007	0.016 #
28) 2,4'-DDD	0.000	8.524	0	24675	N.D.	BelowCal
29) 2,4'-DDT	8.176	8.759	11622	52164	0.006	0.025 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222149.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:40  
 Operator : MJB 1B25056-ICB1  
 Sample : ~~1B22071-ICB2~~  
 Misc : A21B195  
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 24 18:41:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.272	8.809	16891	28282	0.005	0.008 #
31)	Mirex	0.000	9.736	0	60811	N.D. d	BelowCal
32)	Chlordane...	7.710	8.203f	282728	648979	0.808	1.608 #
33)	Chlordane...	7.807	8.296	21788	47825	0.063	0.142 #
34)	Chlordane...	8.385	8.951	25077	1374949	0.238	2.602 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.807	8.524	21788	24675	0.553	0.778 #
37)	Toxaphene...	8.098	8.893f	23843	43694	0.184	1.132 #
38)	Toxaphene...	8.421	8.893	16938	43694	0.293	0.757 #
39)	Toxaphene...	8.676	8.951f	95831	1374949	1.519	11.812 #
40)	Toxaphene...	8.898	9.156	28313	80673	0.596	BelowCal #
41)	Toxaphene...	8.968	9.532	21514	26993	0.399	0.470
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

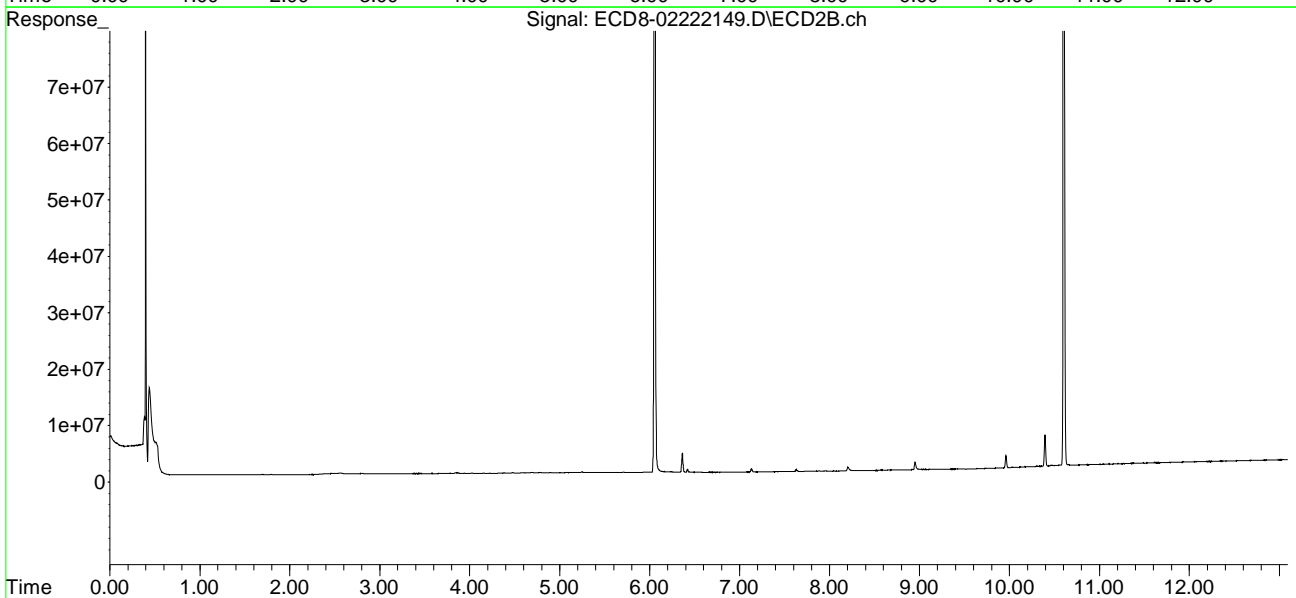
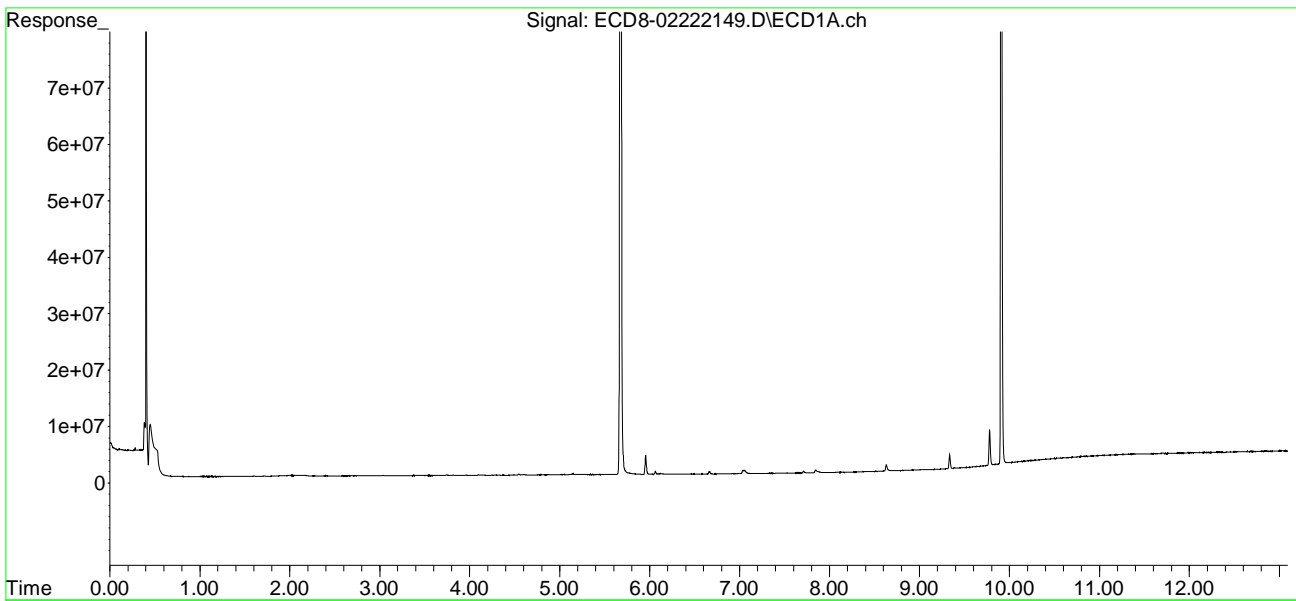
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222149.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:40  
Operator : MJB 1B25056-ICB1  
Sample : ~~1B22071-ICB2~~  
Misc : A21B195  
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 24 18:41:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222150.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:56  
 Operator : MJB 1B25056-CAL1  
 Sample : ~~1B22071-CALX~~  
 Misc : A21B443, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:30:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.055	1755678	1860577	0.548	0.547
22) S DCBP (S)	9.915	10.609	1554393	1167406	0.487	0.502
Target Compounds						
2) a-BHC	6.229	6.651	2222261	2204979	0.522	0.487
3) g-BHC	6.517	6.968	1874105	1984533	0.516	0.508
4) b-BHC	6.586	7.041	10812	1139580	0.007	0.512 #
5) Heptachlor	6.916	7.343	1842639	1933918	0.537	0.524
6) d-BHC	6.766f	7.290	1728917	1930864	0.512	0.524
7) Aldrin	7.159	7.608	1722892	1662941	0.501	0.473
8) Heptachlo...	7.634	8.046	1867692	1866370	0.592	0.564
9) trans-Chl...	7.728	8.186	1776814	1838997	0.552	0.546
10) cis-Chlor...	7.825	8.293	1777335	1835270	0.564	0.566
11) Endosulfa...	7.930	8.344	1637136	1664447	0.565	0.553
12) 4,4'-DDE	7.877	8.394	2099775	1915941	0.610	0.545
13) Dieldrin	8.103	8.544	1742625	1714474	0.549	0.521
14) Endrin	8.274	8.770	1311200	1305037	0.507	0.537
15) 4,4'-DDD	8.311	8.812	1569408	1546397	0.580	0.547
16) Endosulfa...	8.440	8.919	1364741	1428372	0.542	0.535
17) 4,4'-DDT	8.506	9.038	1280117	1335145	0.522	0.536
18) Endrin Al...	8.737	9.155	2068221	2081253	BelowCal	0.477
19) Endosulfa...	9.044	9.351	1441708	1502423	0.576	0.563
20) Methoxychlor	8.838	9.506	666585	706809	0.533	0.537
21) Endrin Ke...	9.245	9.744	1713787	2282416	0.575	0.536
23) Hexachlor...	0.000	3.783	0	59926	N.D.	0.015 #
24) Hexachlor...	0.000	6.520	0	33235	N.D.	0.009 #
25) Oxychlorane	7.545	7.966	32594	26053	0.012	0.009 #
26) 2,4'-DDE	7.634	8.148	1867692	32168	0.836	0.014 #
27) trans-Non...	7.825f	0.000	1777335	0	0.559	N.D. #
28) 2,4'-DDD	8.026f	8.544	16421	1714474	0.009	0.764 #
29) 2,4'-DDT	8.192	8.770	8550	1305037	0.004	0.620 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222150.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:56  
 Operator : MJB 1B25056-CAL1  
 Sample : ~~1B22071-CALX~~  
 Misc : A21B443, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:30:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

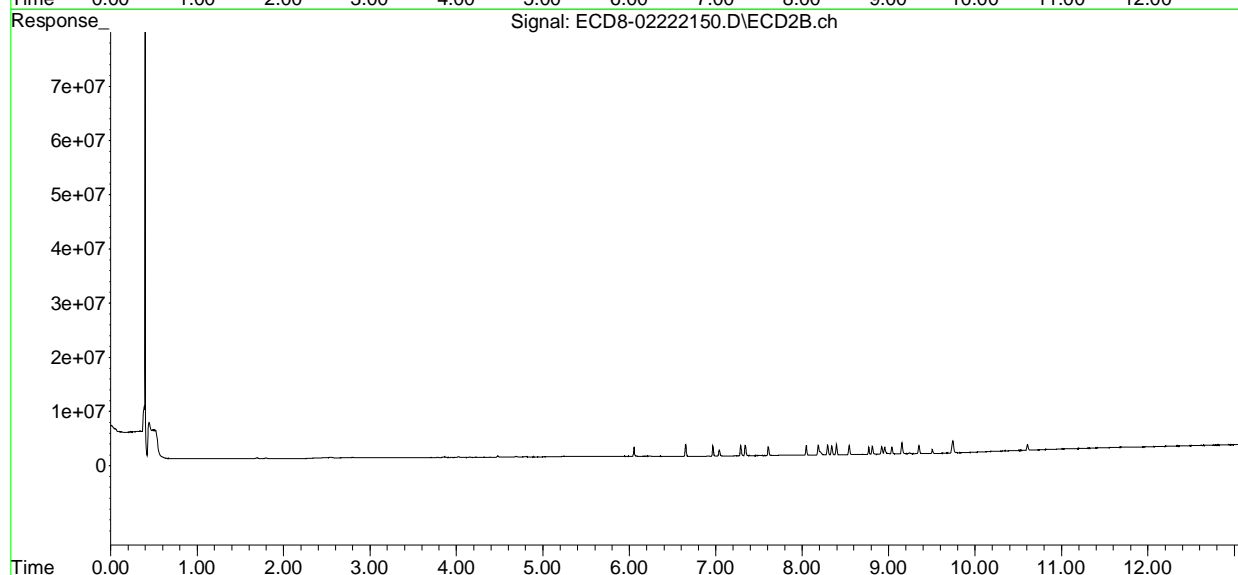
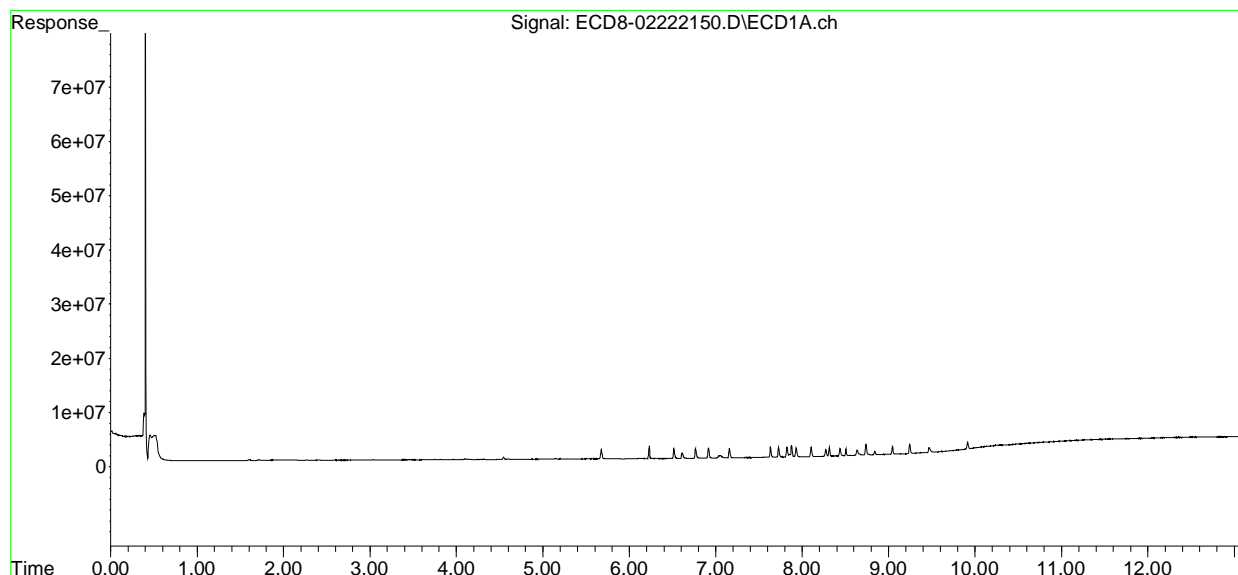
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.274	8.812	1311200	1546397	0.391	0.431
31)	Mirex	8.945	9.744	11254	2282416	21703.397	0.785 #
32)	Chlordane...	7.728	8.186	1776814	1838997	5.080	4.556
33)	Chlordane...	7.825	8.293	1777335	1835270	5.113	5.440
34)	Chlordane...	8.382	8.955	18851	1347294	0.179	2.314 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.825f	8.513	1777335	14673	120.448	0.463 #
37)	Toxaphene...	8.103	8.867	1742625	25187	53.907	0.653 #
38)	Toxaphene...	8.440	8.919	1364741	1428372	23.644	24.731
39)	Toxaphene...	8.635f	8.955	1030802	1347294	16.341	11.497 #
40)	Toxaphene...	8.900	9.155	12934	2081253	0.272	35.089 #
41)	Toxaphene...	8.977	9.550f	13721	14804	0.255	0.258
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB 1B25056-CAL1  
Sample : ~~1B22071-CALX~~  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

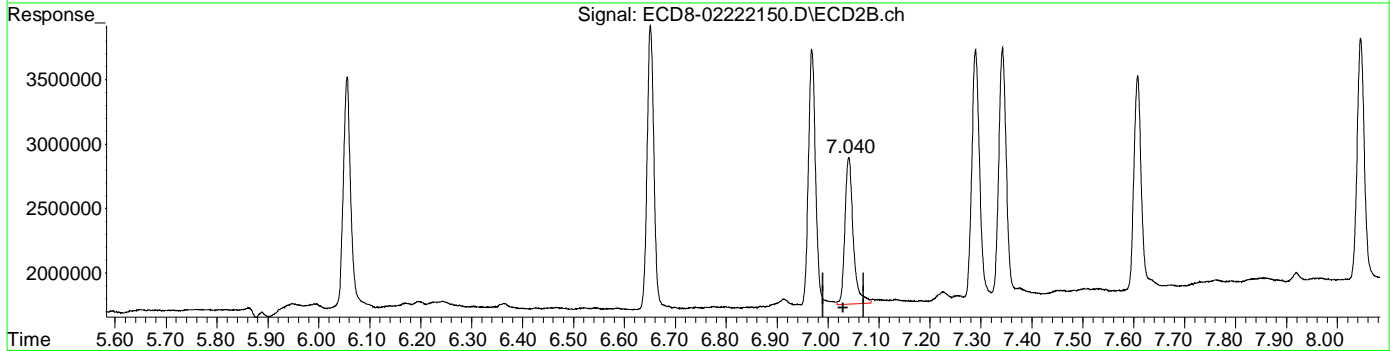
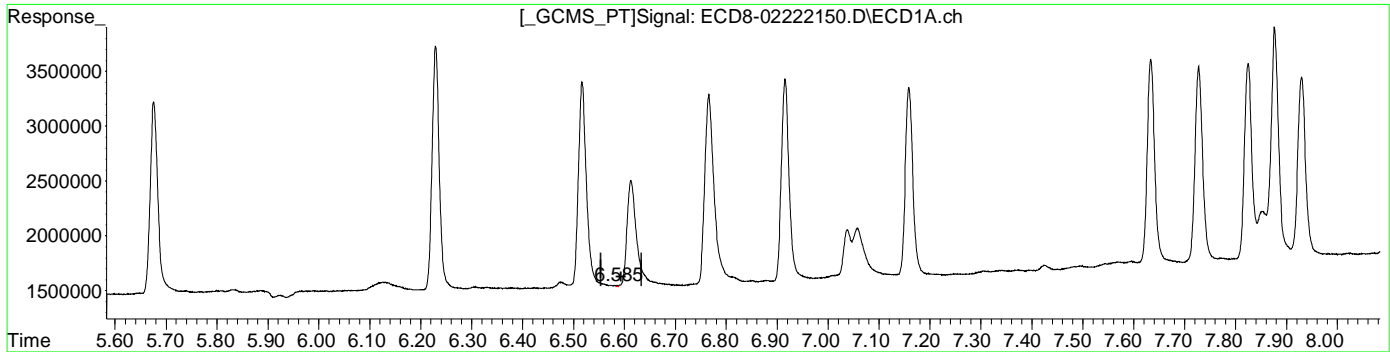
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB 1B25056-CAL1  
Sample : ~~1B22071-CALX~~  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

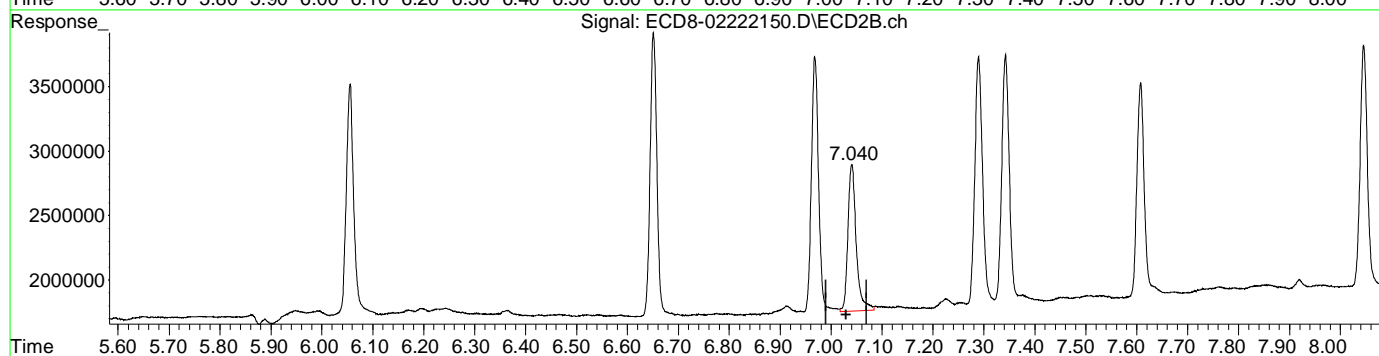
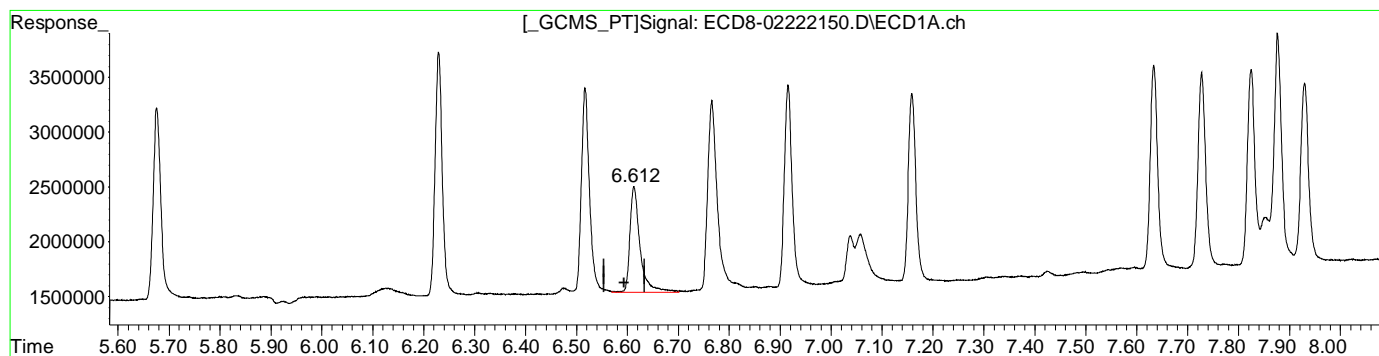
(4) b-BHC  
6.586min 0.007 ng/mL  
response 10812

(4) b-BHC #2  
7.041min 0.512 ng/mL  
response 1139580

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB 1B25056-CAL1  
Sample : ~~1B22071-CALX~~  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

(4) b-BHC  
6.612min 0.618 ng/mL m  
response 966009

(4) b-BHC #2  
7.041min 0.512 ng/mL  
response 1139580

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222150.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:56  
 Operator : MJB 1B25056-CAL1  
 Sample : ~~1B22071-CALX~~  
 Misc : A21B443, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:30:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						Curve point not used in calibration.
1) S TCMX (S)	5.676	6.055	1755678	1860577	0.548	0.547
22) S DCBP (S)	9.915	10.609	1554393	1167406	0.487	0.502
Target Compounds						
2) a-BHC	6.229	6.651	2222261	2204979	0.522	0.487
3) g-BHC	6.517	6.968	1874105	1984533	0.516	0.508
4) b-BHC	6.612	7.041	966009	1139580	0.618m	0.512
5) Heptachlor	6.916	7.343	1842639	1933918	0.537	0.524
6) d-BHC	6.766f	7.290	1728917	1930864	0.512	0.524
7) Aldrin	7.159	7.608	1722892	1662941	0.501	0.473
8) Heptachlo...	7.634	8.046	1867692	1866370	0.592	0.564
9) trans-Chl...	7.728	8.186	1776814	1838997	0.552	0.546
10) cis-Chlor...	7.825	8.293	1777335	1835270	0.564	0.566
11) Endosulfa...	7.930	8.344	1637136	1664447	0.565	0.553
12) 4,4'-DDE	7.877	8.394	2099775	1915941	0.610	0.545
13) Dieldrin	8.103	8.544	1742625	1714474	0.549	0.521
14) Endrin	8.274	8.770	1311200	1305037	0.507	0.537
15) 4,4'-DDD	8.311	8.812	1569408	1546397	0.580	0.547
16) Endosulfa...	8.440	8.919	1364741	1428372	0.542	0.535
17) 4,4'-DDT	8.506	9.038	1280117	1335145	0.522	0.536
18) Endrin Al...	8.737	9.155	2068221	2081253	BelowCal	0.477
19) Endosulfa...	9.044	9.351	1441708	1502423	0.576	0.563
20) Methoxychlor	8.838	9.506	666585	706809	0.533	0.537
21) Endrin Ke...	9.245	9.744	1713787	2282416	0.575	0.536
23) Hexachlor...	0.000	3.783	0	59926	N.D.	0.015 #
24) Hexachlor...	0.000	6.520	0	33235	N.D.	0.009 #
25) Oxychlorane	7.545	7.966	32594	26053	0.012	0.009 #
26) 2,4'-DDE	7.634	8.148	1867692	32168	0.836	0.014 #
27) trans-Non...	7.825f	0.000	1777335	0	0.559	N.D. #
28) 2,4'-DDD	8.026f	8.544	16421	1714474	0.009	0.764 #
29) 2,4'-DDT	8.192	8.770	8550	1305037	0.004	0.620 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222150.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:56  
 Operator : MJB 1B25056-CAL1  
 Sample : ~~1B22071-CALX~~  
 Misc : A21B443, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:30:17 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.274	8.812	1311200	1546397	0.391	0.431
31)	Mirex	8.945	9.744	11254	2282416	21703.397	0.785 #
32)	Chlordane...	7.728	8.186	1776814	1838997	5.080	4.556
33)	Chlordane...	7.825	8.293	1777335	1835270	5.113	5.440
34)	Chlordane...	8.382	8.955	18851	1347294	0.179	2.314 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.825f	8.513	1777335	14673	120.448	0.463 #
37)	Toxaphene...	8.103	8.867	1742625	25187	53.907	0.653 #
38)	Toxaphene...	8.440	8.919	1364741	1428372	23.644	24.731
39)	Toxaphene...	8.635f	8.955	1030802	1347294	16.341	11.497 #
40)	Toxaphene...	8.900	9.155	12934	2081253	0.272	35.089 #
41)	Toxaphene...	8.977	9.550f	13721	14804	0.255	0.258
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

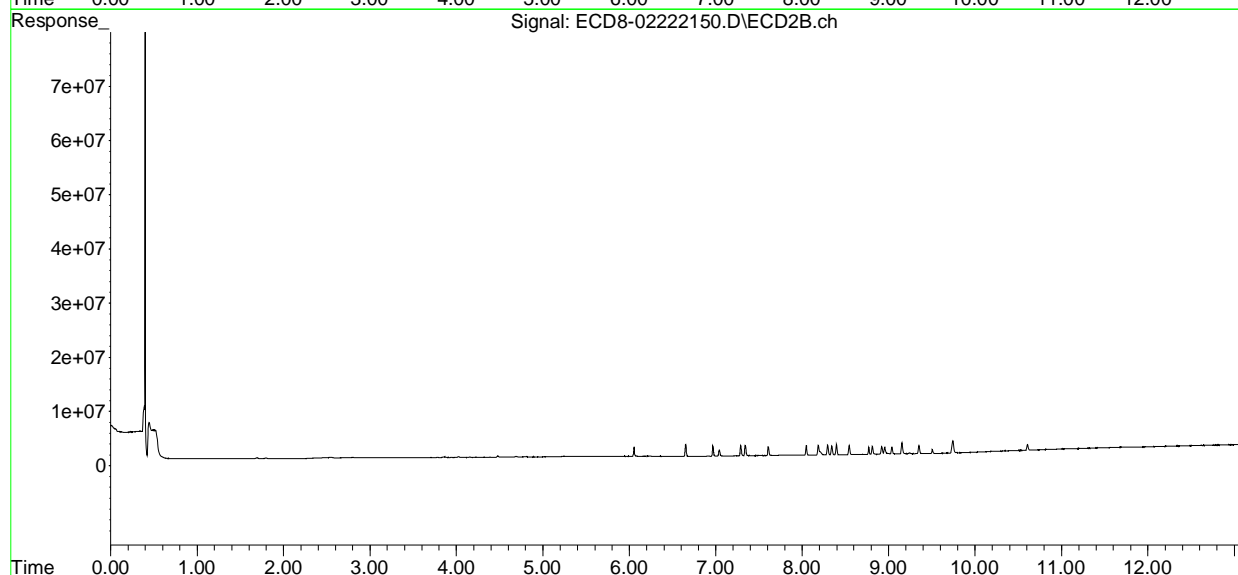
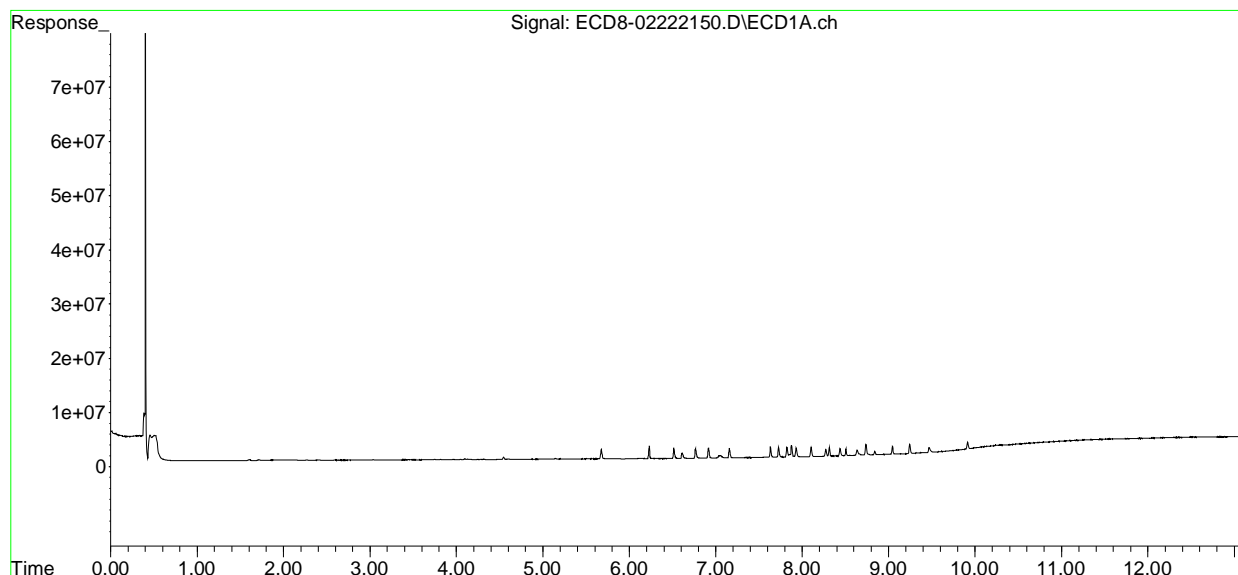
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB 1B25056-CAL1  
Sample : ~~1B22071-CALX~~  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:30:17 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222151.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:13  
 Operator : MJB 1B25056-CAL2  
 Sample : ~~1B22071-CALY~~  
 Misc : A21B444, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:31:49 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.677	6.055	3089516	3171759	0.964	0.932
22) S DCBP (S)	9.913	10.608	2655464	1991701	1.033	0.982
Target Compounds						
2) a-BHC	6.230	6.652	3881163	3945238	0.912	0.871
3) g-BHC	6.518	6.969	3048133	3438052	0.840	0.880
4) b-BHC	6.587	7.040	14602	1839198	0.009	0.946 #
5) Heptachlor	6.916	7.343	3086921	3366411	0.900	0.913
6) d-BHC	6.729	7.289	8760	3349325	0.003	0.916 #
7) Aldrin	7.160	7.608	3002594	3034328	0.873	0.863
8) Heptachlo...	7.634	8.045	3126066	3174485	0.991	0.959
9) trans-Chl...	7.728	8.186	3087656	3098627	0.958	0.919
10) cis-Chlor...	7.825	8.294	3067156	3054425	0.973	0.942
11) Endosulfa...	7.930	8.344	2868001	2860014	0.989	0.950
12) 4,4'-DDE	7.877	8.394	3407128	3205556	0.990	0.912
13) Dieldrin	8.103	8.544	2975189	2913255	0.938	0.886
14) Endrin	8.273	8.769	2263795	2122366	0.875	0.871
15) 4,4'-DDD	8.311	8.812	2575075	2541451	0.951	0.900
16) Endosulfa...	8.439	8.918	2262321	2356801	0.899	0.882
17) 4,4'-DDT	8.505	9.037	2143263	2175483	0.874	0.896
18) Endrin Al...	8.736	9.154	3391517	3341794	0.297	1.003 #
19) Endosulfa...	9.044	9.350	2314150	2421845	0.925	0.907
20) Methoxychlor	8.838	9.505	1092433	1184029	0.873	0.900
21) Endrin Ke...	9.244	9.744	2916439	3277354	0.979	0.909
23) Hexachlor...	3.472	3.783	24200	85417	0.007	0.021 #
24) Hexachlor...	6.063	6.519	30314	13338	0.009	0.004 #
25) Oxychlorane	7.564	7.960	43237	27211	0.016	0.009 #
26) 2,4'-DDE	7.634	8.186	3126066	3098627	1.399	1.333
27) trans-Non...	7.825f	0.000	3067156	0	0.965	N.D. #
28) 2,4'-DDD	8.019f	8.544	28344	2913255	0.015	1.397 #
29) 2,4'-DDT	8.184	8.769	10109	2122366	0.005	1.009 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222151.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:13  
 Operator : MJB 1B25056-CAL2  
 Sample : ~~1B22071-CALY~~  
 Misc : A21B444, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:31:49 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

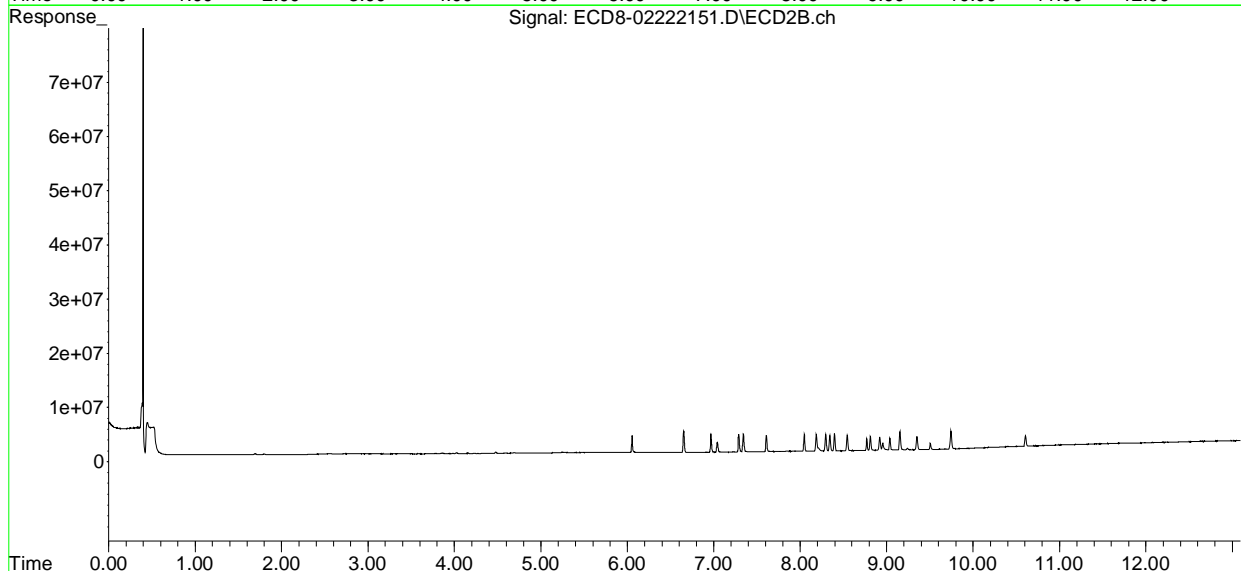
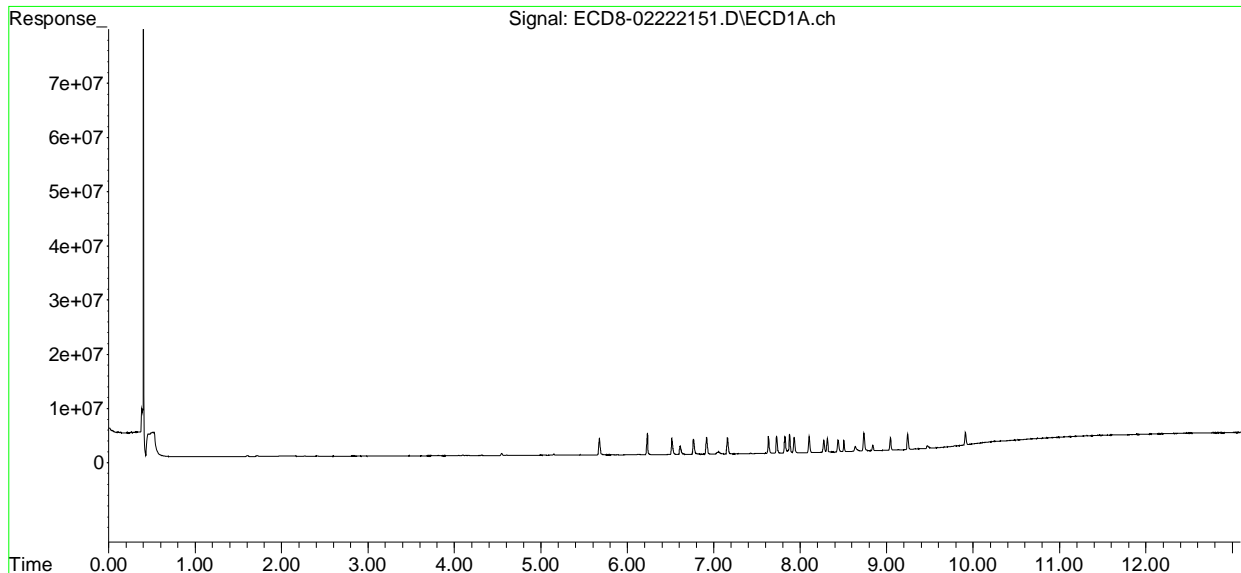
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.273	8.812	2263795	2541451	0.675	0.708
31)	Mirex	8.965	9.744	13720	3277354	21703.396	1.317 #
32)	Chlordane...	7.728	8.186	3087656	3098627	8.827	7.677
33)	Chlordane...	7.825	8.294	3067156	3054425	8.823	9.053
34)	Chlordane...	8.376	8.956	27894	1281645	0.264	1.631 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.825f	8.501	3067156	8669	209.779	0.273 #
37)	Toxaphene...	8.103	0.000	2975189	0	92.732	N.D. #
38)	Toxaphene...	8.409	8.918	5582	2356801	0.097	40.805 #
39)	Toxaphene...	8.636f	8.956	962319	1281645	15.255	10.750 #
40)	Toxaphene...	8.897	9.154	11009	3341794	0.232	58.666 #
41)	Toxaphene...	8.970	9.505f	11265	1184029	0.209	20.625 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

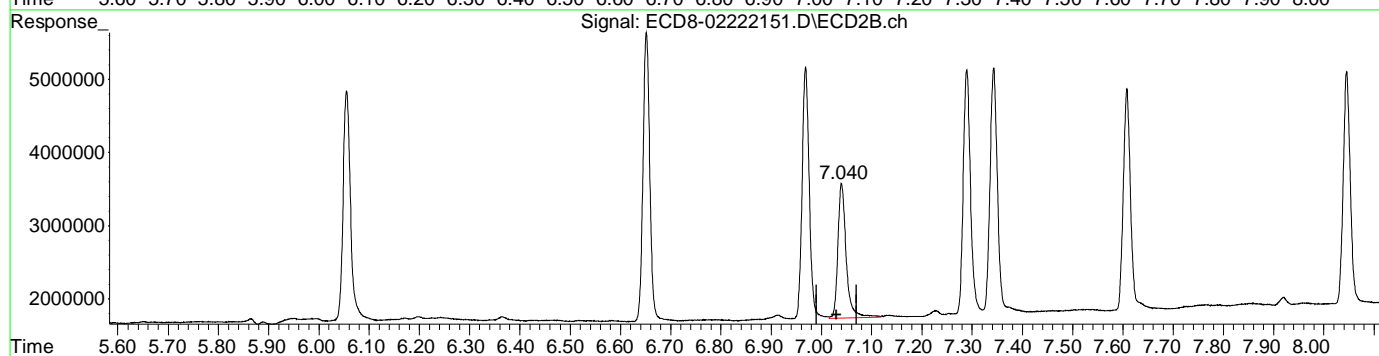
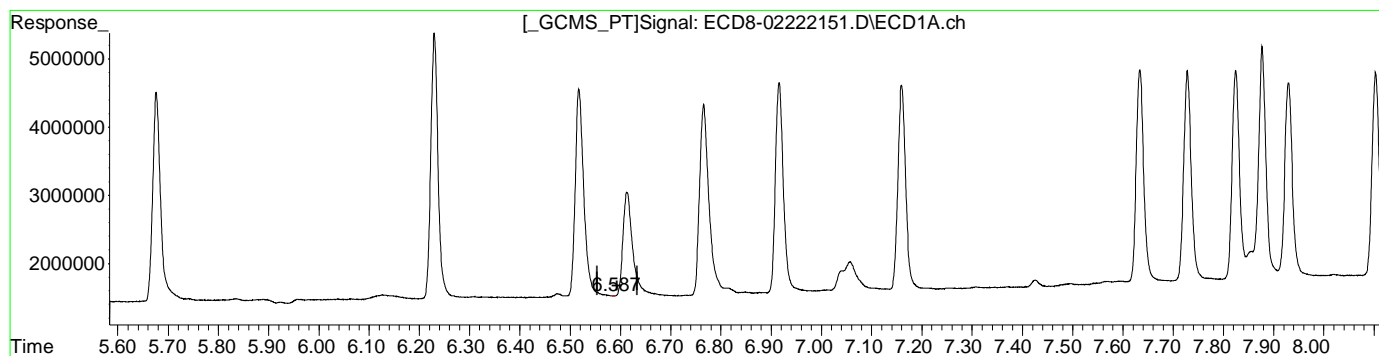
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:31:49 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:31:49 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

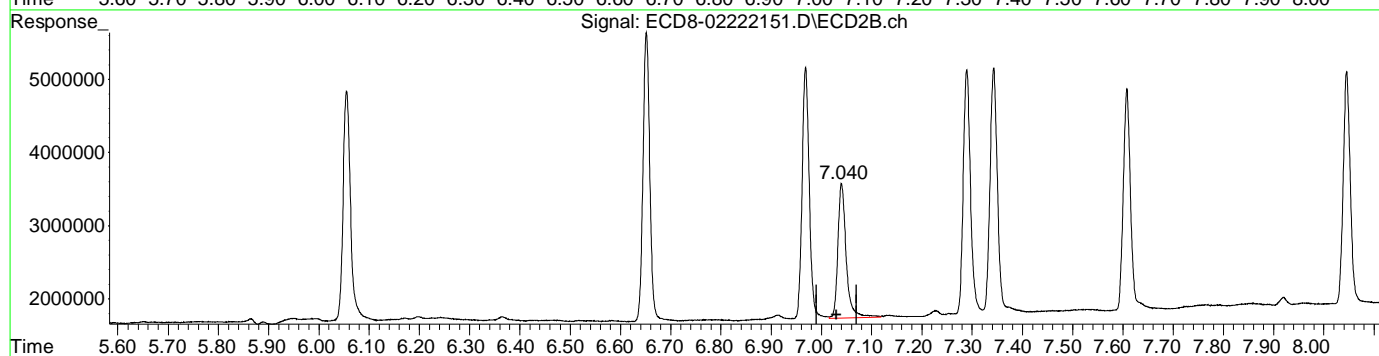
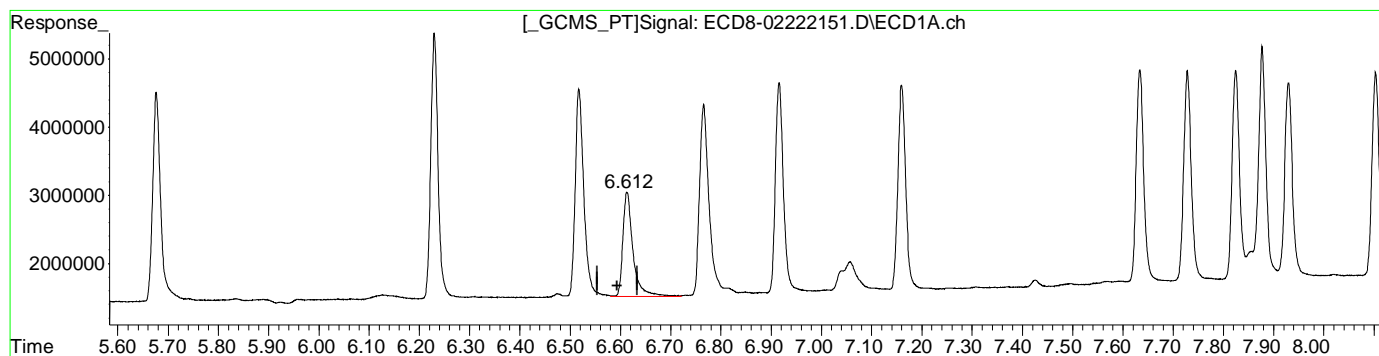
(4) b-BHC  
6.587min 0.009 ng/mL  
response 14602

(4) b-BHC #2  
7.040min 0.946 ng/mL  
response 1839198

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:31:49 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



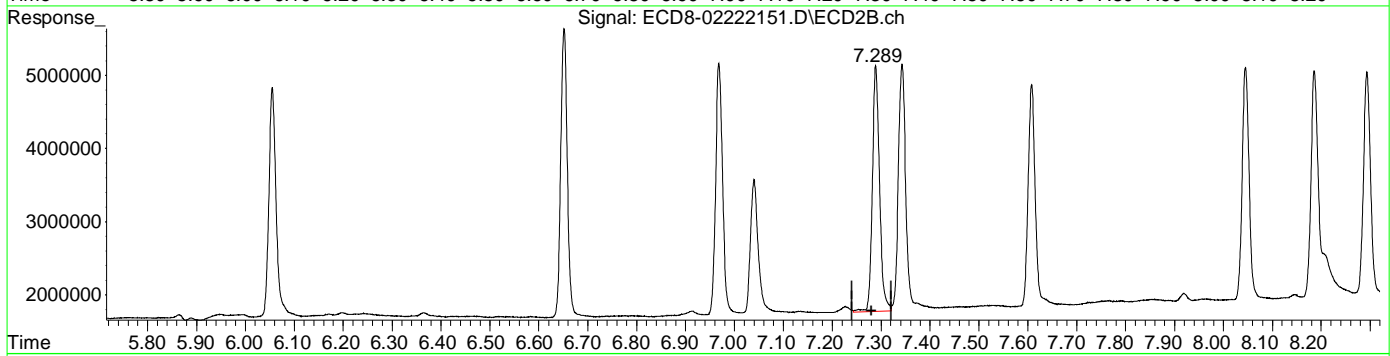
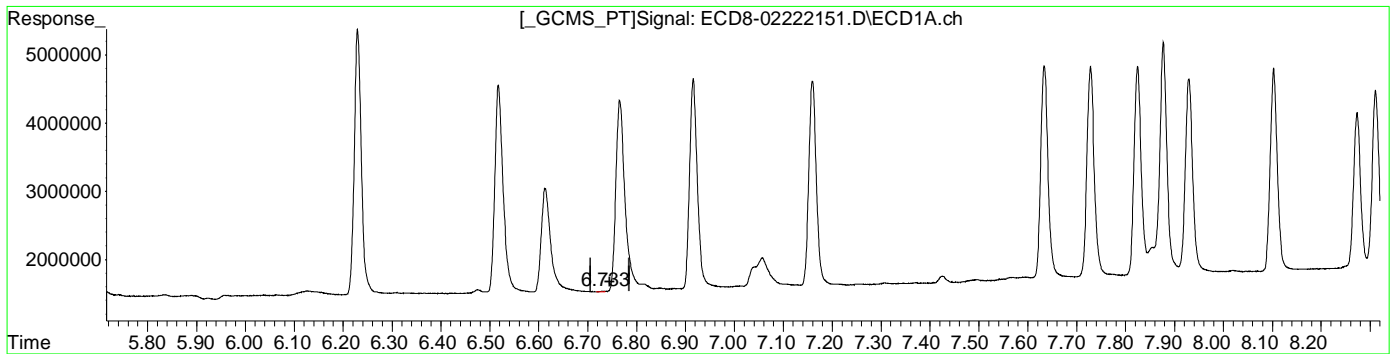
(4) b-BHC  
6.612min 0.981 ng/mL m  
response 1534080

(4) b-BHC #2  
7.040min 0.946 ng/mL  
response 1839198

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:31:49 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

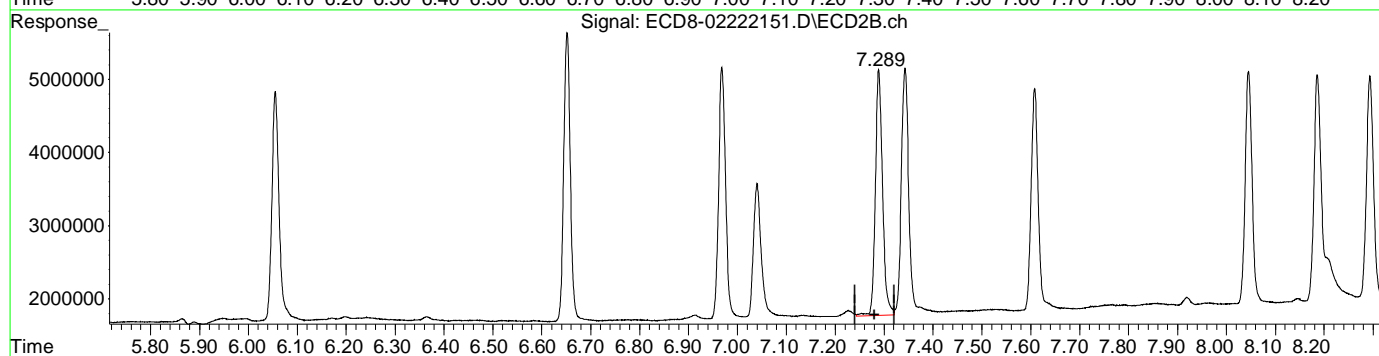
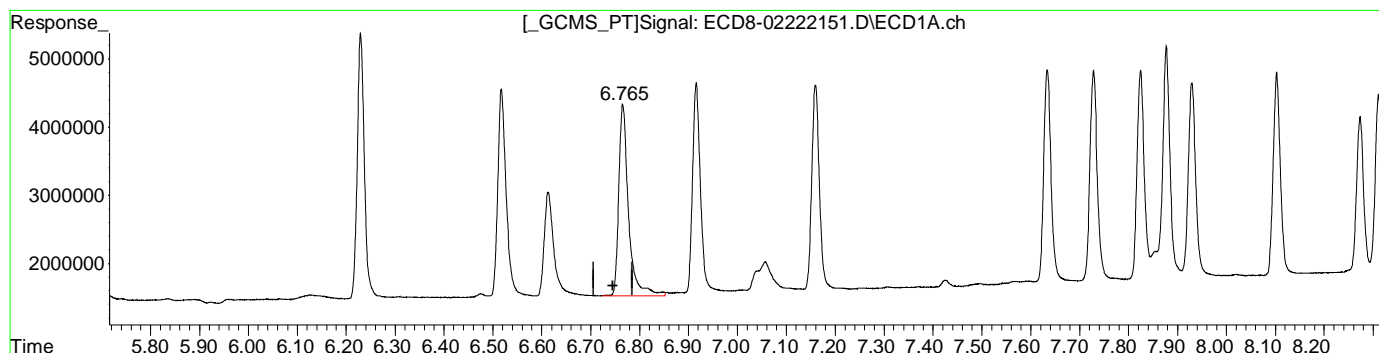
(6) d-BHC  
6.729min 0.003 ng/mL  
response 8760

(6) d-BHC #2  
7.289min 0.916 ng/mL  
response 3349325

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:31:49 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

(6) d-BHC  
6.765min 0.833 ng/mL m  
response 2812527

(6) d-BHC #2  
7.289min 0.916 ng/mL  
response 3349325

(+) = Expected Retention Time  
ECD8\_QUANTPEST\_210222.M Tue Feb 23 16:32:54 2021

Page: 1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222151.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:13  
 Operator : MJB1B25056-CAL2  
 Sample : ~~1B22071-CALY~~  
 Misc : A21B444, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:31:49 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds						Curve point not used in calibration.	
1) S TCMX (S)	5.677	6.055	3089516	3171759	0.964	0.932	
22) S DCBP (S)	9.913	10.608	2655464	1991701	1.033	0.982	
Target Compounds							
2) a-BHC	6.230	6.652	3881163	3945238	0.912	0.871	
3) g-BHC	6.518	6.969	3048133	3438052	0.840	0.880	
4) b-BHC	6.612	7.040	1534080	1839198	0.981m	0.946	
5) Heptachlor	6.916	7.343	3086921	3366411	0.900	0.913	
6) d-BHC	6.765	7.289	2812527	3349325	0.833m	0.916	
7) Aldrin	7.160	7.608	3002594	3034328	0.873	0.863	
8) Heptachlo...	7.634	8.045	3126066	3174485	0.991	0.959	
9) trans-Chl...	7.728	8.186	3087656	3098627	0.958	0.919	
10) cis-Chlor...	7.825	8.294	3067156	3054425	0.973	0.942	
11) Endosulfa...	7.930	8.344	2868001	2860014	0.989	0.950	
12) 4,4'-DDE	7.877	8.394	3407128	3205556	0.990	0.912	
13) Dieldrin	8.103	8.544	2975189	2913255	0.938	0.886	
14) Endrin	8.273	8.769	2263795	2122366	0.875	0.871	
15) 4,4'-DDD	8.311	8.812	2575075	2541451	0.951	0.900	
16) Endosulfa...	8.439	8.918	2262321	2356801	0.899	0.882	
17) 4,4'-DDT	8.505	9.037	2143263	2175483	0.874	0.896	
18) Endrin Al...	8.736	9.154	3391517	3341794	0.297	1.003 #	
19) Endosulfa...	9.044	9.350	2314150	2421845	0.925	0.907	
20) Methoxychlor	8.838	9.505	1092433	1184029	0.873	0.900	
21) Endrin Ke...	9.244	9.744	2916439	3277354	0.979	0.909	
23) Hexachlor...	3.472	3.783	24200	85417	0.007	0.021 #	
24) Hexachlor...	6.063	6.519	30314	13338	0.009	0.004 #	
25) Oxychlorane	7.564	7.960	43237	27211	0.016	0.009 #	
26) 2,4'-DDE	7.634	8.186	3126066	3098627	1.399	1.333	
27) trans-Non...	7.825f	0.000	3067156	0	0.965	N.D. #	
28) 2,4'-DDD	8.019f	8.544	28344	2913255	0.015	1.397 #	
29) 2,4'-DDT	8.184	8.769	10109	2122366	0.005	1.009 #	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222151.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:13  
 Operator : MJB 1B25056-CAL2  
 Sample : ~~1B22071-CALY~~  
 Misc : A21B444, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:31:49 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

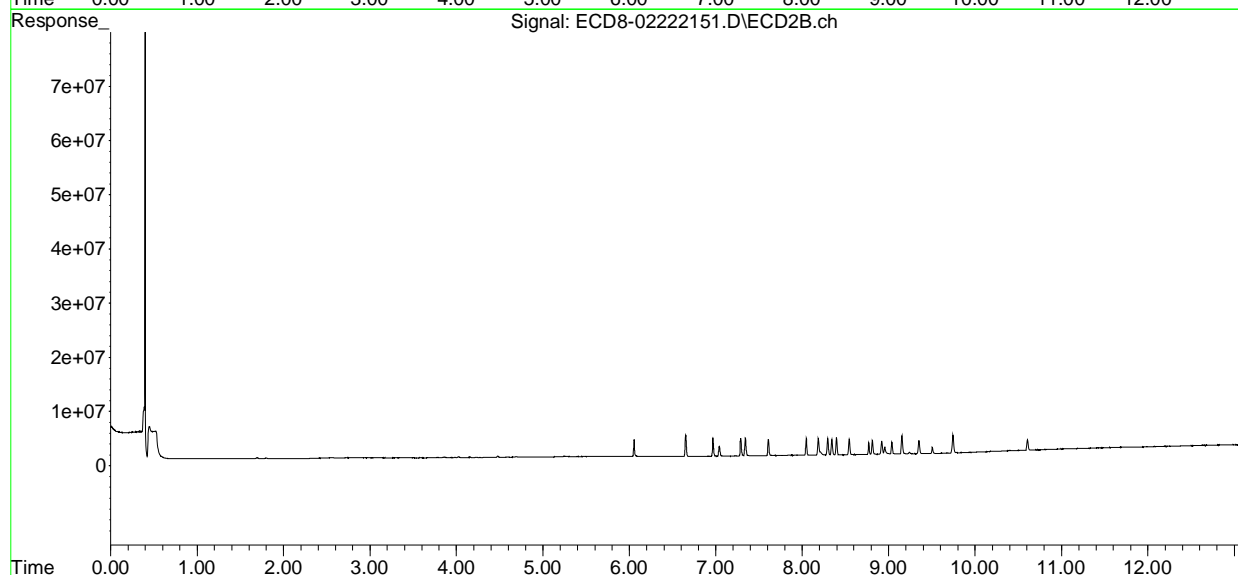
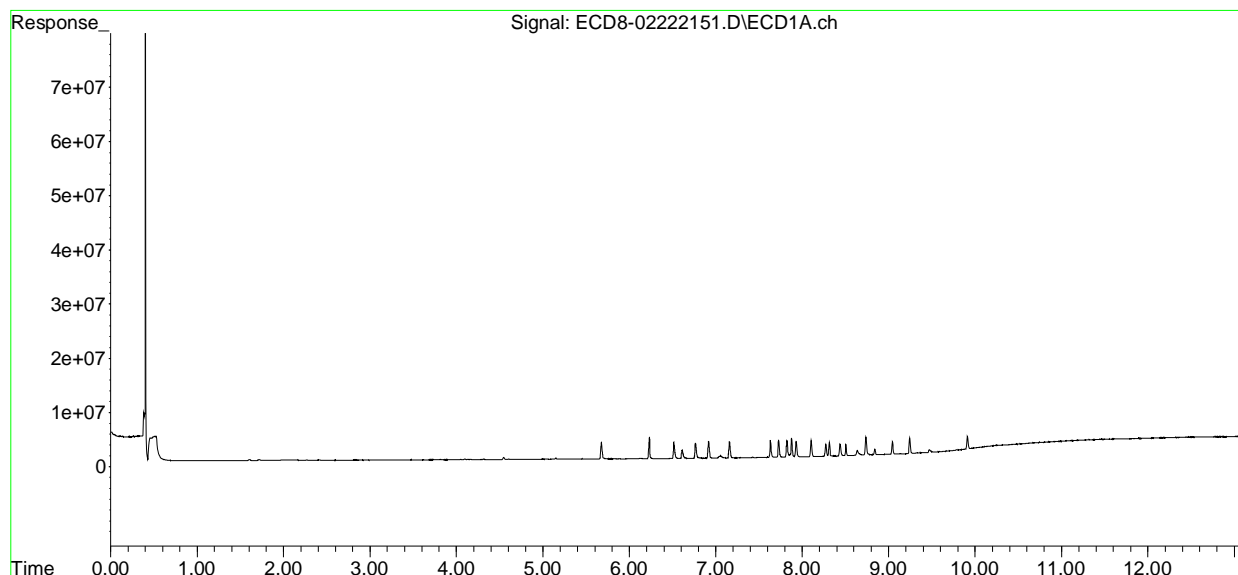
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.273	8.812	2263795	2541451	0.675	0.708
31)	Mirex	8.965	9.744	13720	3277354	21703.396	1.317 #
32)	Chlordane...	7.728	8.186	3087656	3098627	8.827	7.677
33)	Chlordane...	7.825	8.294	3067156	3054425	8.823	9.053
34)	Chlordane...	8.376	8.956	27894	1281645	0.264	1.631 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.825f	8.501	3067156	8669	209.779	0.273 #
37)	Toxaphene...	8.103	0.000	2975189	0	92.732	N.D. #
38)	Toxaphene...	8.409	8.918	5582	2356801	0.097	40.805 #
39)	Toxaphene...	8.636f	8.956	962319	1281645	15.255	10.750 #
40)	Toxaphene...	8.897	9.154	11009	3341794	0.232	58.666 #
41)	Toxaphene...	8.970	9.505f	11265	1184029	0.209	20.625 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:31:49 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222152.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:29  
 Operator : MJB 1B25056-CAL3  
 Sample : ~~1B22071-CALZ~~  
 Misc : A21B445, 9-42 0.5 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:34:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.678	6.054	19663	103393	0.006	0.030 #
22) S DCBP (S)	9.920	10.611	341172	113768	1931.168	BelowCal #
Target Compounds						
2) a-BHC	6.229	6.651	121558	116280	0.029	0.026
3) g-BHC	6.517	6.969	127893	131906	0.035	0.034
4) b-BHC	6.568f	7.021	9951	10172	0.006	BelowCal #
5) Heptachlor	6.918	7.344	86532	98395	0.025	0.027
6) d-BHC	6.772f	7.292	233013	256955	0.069	0.061
7) Aldrin	7.159	7.608	58970	60475	0.017	0.017
8) Heptachlo...	7.626	8.046	1192845	130452	0.378	0.039 #
9) trans-Chl...	7.728	8.172	135693	1189427	0.042	0.353 #
10) cis-Chlor...	7.812	8.294	1638252	166526	0.520	0.051 #
11) Endosulfa...	7.931	8.345	132243	119145	0.046	0.040
12) 4,4'-DDE	7.858	8.396	352035	176155	0.102	0.050 #
13) Dieldrin	8.103	8.547	97767	1125638	0.031	0.342 #
14) Endrin	8.254	8.769	21955	1012093	0.008	0.417 #
15) 4,4'-DDD	8.293	8.816	1656148	1870927	0.612	0.662
16) Endosulfa...	8.442	8.920	84104	146900	0.033	0.055 #
17) 4,4'-DDT	8.509	9.040	93104	139289	0.038	0.023 #
18) Endrin Al...	8.738	9.157	450469	448699	BelowCal	BelowCal
19) Endosulfa...	9.047	9.352	111268	151726	0.044	0.057 #
20) Methoxychlor	8.840	9.508	42418	61501	0.034	0.047 #
21) Endrin Ke...	9.246	9.735	131571	1705947	0.044	0.319 #
23) Hexachlor...	3.464	3.771	1999025	2259249	0.575	0.564
24) Hexachlor...	6.064	6.521	1575049	1782150	0.483	0.496
25) Oxychlorane	7.556	7.977	1465803	1560221	0.532	0.531
26) 2,4'-DDE	7.626	8.172	1192845	1189427	0.534	0.512
27) trans-Non...	7.812	8.253	1638252	1762762	0.515	0.524
28) 2,4'-DDD	8.008	8.547	992555	1125638	0.524	0.453
29) 2,4'-DDT	8.186	8.769	944593	1012093	0.468	0.481

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222152.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:29  
 Operator : MJB 1B25056-CAL3  
 Sample : ~~1B22071-CALZ~~  
 Misc : A21B445, 9-42 0.5 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:34:26 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

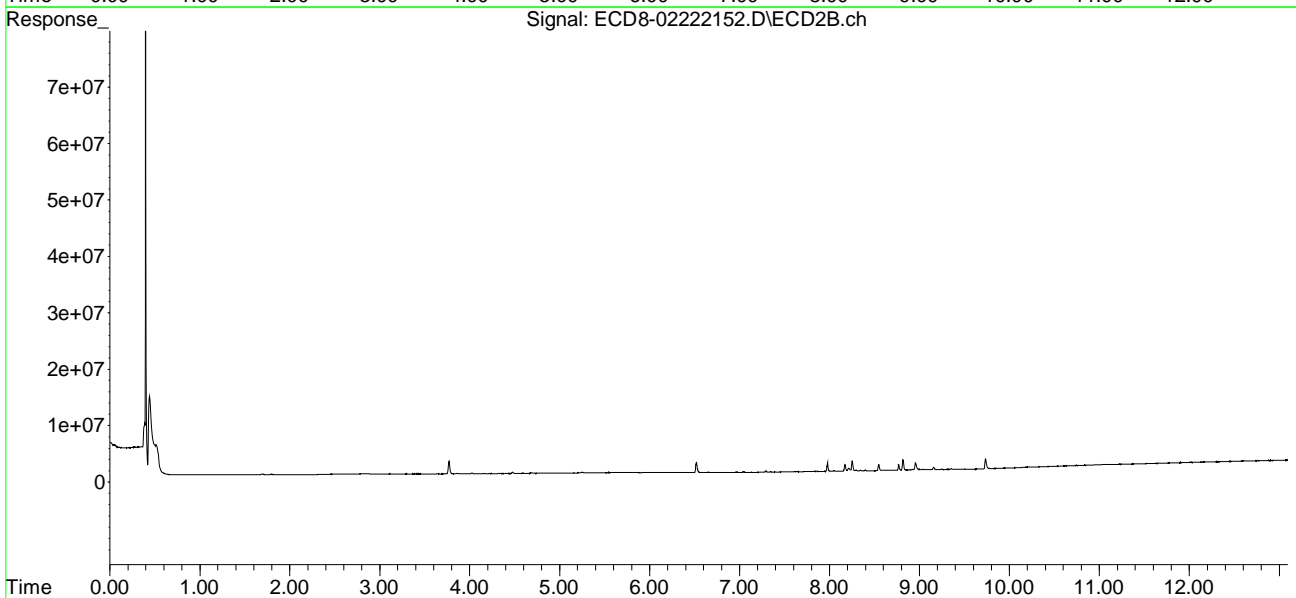
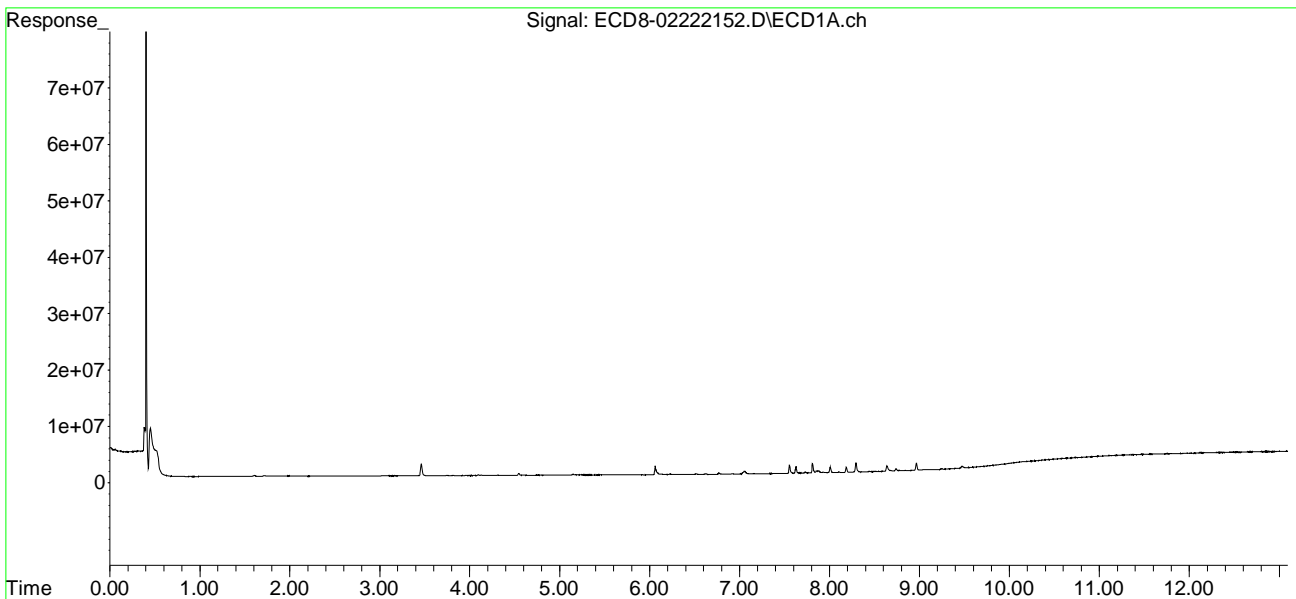
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.293	8.816	1656148	1870927	0.494	0.521
31)	Mirex	8.966	9.735	1264305	1705947	0.460	0.476
32)	Chlordane...	7.728	8.172	135693	1189427	0.388	2.947 #
33)	Chlordane...	7.812	8.294	1638252	166526	4.713	0.494 #
34)	Chlordane...	8.377	8.957	21086	1271135	0.200	1.521 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.812	8.507	1638252	21068	110.879	0.665 #
37)	Toxaphene...	8.103	8.866	97767	32592	2.484	0.844 #
38)	Toxaphene...	8.442f	8.899	84104	86063	1.457	1.490
39)	Toxaphene...	8.638f	8.957	977512	1271135	15.496	10.630 #
40)	Toxaphene...	8.881	9.157	7252	448699	0.153	4.473 #
41)	Toxaphene...	8.966	9.526	1264305	25976	23.469	0.452 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222152.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:29  
Operator : MJB 1B25056-CAL3  
Sample : ~~1B22071-CALZ~~  
Misc : A21B445, 9-42 0.5 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:26 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222153.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:45  
 Operator : MJB 1B25056-CAL4  
 Sample : ~~1B22071-CALAA~~  
 Misc : A21B446, CHLOR 10 ppb  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:34:47 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.054	21056	81903	0.007	0.024 #
22) S DCBP (S)	9.918	10.608	340315	100695	1931.169	BelowCal #
Target Compounds						
2) a-BHC	6.228	6.652	127866	116654	0.030	0.026
3) g-BHC	6.515	6.968	141639	150145	0.039	0.038
4) b-BHC	6.617f	7.045	117283	146109	0.075	BelowCal #
5) Heptachlor	6.914	7.343	1611049	1712310	0.470	0.464
6) d-BHC	6.739	7.291	61290	265819	0.018	0.063 #
7) Aldrin	7.158	7.607	42160	69470	0.012	0.020 #
8) Heptachlo...	7.637	8.044	383396	160763	0.122	0.049 #
9) trans-Chl...	7.729	8.187	3436436	3757800	1.067	1.115
10) cis-Chlor...	7.823	8.294	3740830	3289778	1.187	1.015
11) Endosulfa...	7.930	8.345	141815	153062	0.049	0.051
12) 4,4'-DDE	7.859	8.396	408518	240776	0.119	0.069 #
13) Dieldrin	8.107	8.545	118929	209764	0.037	0.064 #
14) Endrin	8.293f	8.770	616350	175077	0.238	0.074 #
15) 4,4'-DDD	8.293	8.817	616350	833671	0.228	0.295 #
16) Endosulfa...	8.441	8.922	124520	154957	0.049	0.058
17) 4,4'-DDT	8.509	9.036	76557	166394	0.031	0.035
18) Endrin Al...	8.739	9.157	246837	278814	BelowCal	BelowCal
19) Endosulfa...	9.046	9.352	128556	132765	0.051	0.050
20) Methoxychlor	8.819	9.508	16850	58201	0.013	0.044 #
21) Endrin Ke...	9.246	9.743	114349	566260	0.038	BelowCal #
23) Hexachlor...	0.000	3.782	0	37306	N.D.	0.009 #
24) Hexachlor...	6.038f	0.000	32074	0	0.010	N.D. #
25) Oxychlorane	7.550	7.958	29661	65426	0.011	0.022 #
26) 2,4'-DDE	7.637f	8.160	383396	111990	0.172	0.048 #
27) trans-Non...	7.823	8.253	3740830	2912807	1.177	0.866 #
28) 2,4'-DDD	8.011	8.545	94995	209764	0.050	BelowCal #
29) 2,4'-DDT	8.165	8.770	158855	175077	0.079	0.083

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222153.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:45  
 Operator : MJB 1B25056-CAL4  
 Sample : ~~1B22071-CALAA~~  
 Misc : A21B446, CHLOR 10 ppb  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:34:47 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.293	8.817	616350	833671	0.184	0.232 #
31)	Mirex	8.981	9.743	5834	566260	21703.400	BelowCal #
32)	Chlordane...	7.729	8.187	3436436	3757800	9.824	9.311
33)	Chlordane...	7.823	8.294	3740830	3289778	10.761	9.751
34)	Chlordane...	8.385	8.956	1049375	2092022	9.947	10.062
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.823f	8.545f	3740830	209764	256.870	6.618 #
37)	Toxaphene...	8.107	8.873	118929	126866	3.143	3.287
38)	Toxaphene...	8.441	8.922	124520	154957	2.157	2.683
39)	Toxaphene...	8.639f	8.956	924129	2092022	14.650	19.967 #
40)	Toxaphene...	8.899	9.157	7617	278814	0.160	1.282 #
41)	Toxaphene...	8.981	9.528	5834	28206	0.108	0.491 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

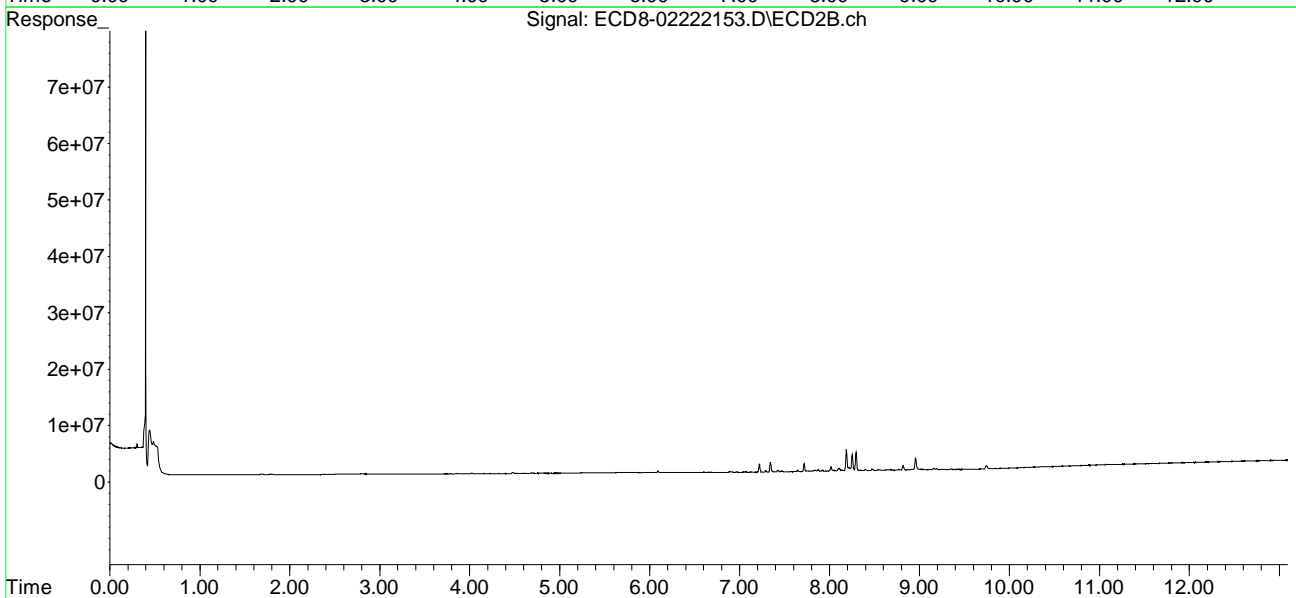
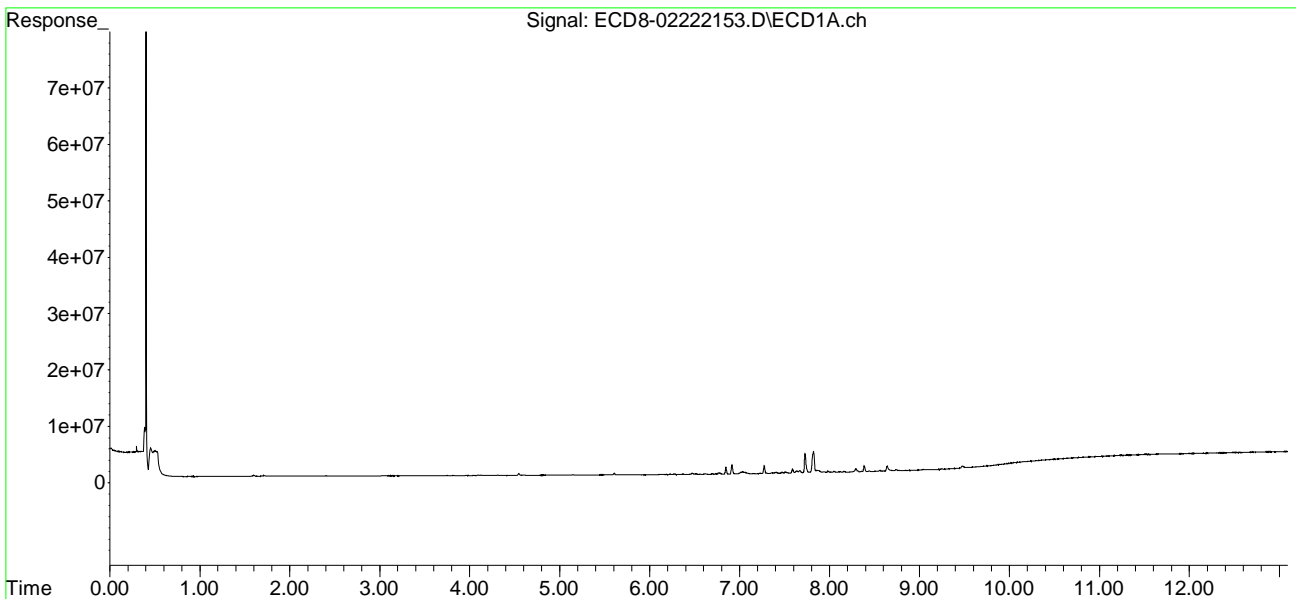
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222153.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:45  
Operator : MJB 1B25056-CAL4  
Sample : ~~1B22071-CALAA~~  
Misc : A21B446, CHLOR 10 ppb  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:47 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222154.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 14:01  
 Operator : MJB 1B25056-CAL5  
 Sample : ~~1B22071-CALAB~~  
 Misc : A21B447, TOX 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:34:59 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	5.676	6.056	38971	83303	0.012	0.024 #
22) S DCBP (S)	9.916	10.612	300743	100581	1931.188	BelowCal #
Target Compounds						
2) a-BHC	6.229	6.652	99166	110421	0.023	0.024
3) g-BHC	6.517	6.969	116349	121173	0.032	0.031
4) b-BHC	6.622f	7.046	101641	145710	0.065	BelowCal #
5) Heptachlor	6.916	7.343	76693	87999	0.022	0.024
6) d-BHC	6.773f	7.293	235150	272105	0.070	0.065
7) Aldrin	7.161	7.608	59559	56773	0.017	0.016
8) Heptachlo...	7.635	8.047	134272	199044	0.043	0.060 #
9) trans-Chl...	7.728	8.187	135047	173743	0.042	0.052
10) cis-Chlor...	7.823	8.292	157540	206798	0.050	0.064 #
11) Endosulfa...	7.934	8.353	252414	192376	0.087	0.064 #
12) 4,4'-DDE	7.861	8.395	341462	247154	0.099	0.070 #
13) Dieldrin	8.107	8.543	331240	220136	0.104	0.067 #
14) Endrin	8.288f	8.768	338428	376180	0.131	0.156
15) 4,4'-DDD	8.310	8.816	289578	280861	0.107	0.099
16) Endosulfa...	8.429	8.909	541688	638427	0.215	0.239
17) 4,4'-DDT	8.514	9.038	514928	326052	0.210	0.103 #
18) Endrin Al...	8.714	9.156	359348	739186	BelowCal	BelowCal
19) Endosulfa...	9.039	9.352	204475	297192	0.082	0.111 #
20) Methoxychlor	8.829	9.488	244654	247666	0.196	0.188
21) Endrin Ke...	9.245	9.741	174553	820552	0.059	BelowCal #
23) Hexachlor...	0.000	3.782	0	43898	N.D.	0.011 #
24) Hexachlor...	0.000	6.518	0	22403	N.D.	0.006 #
25) Oxychlorane	7.562	7.964	111540	92866	0.040	0.032
26) 2,4'-DDE	7.610	8.154	70626	79190	0.032	0.034
27) trans-Non...	7.823	8.215f	157540	469885	0.050	0.140 #
28) 2,4'-DDD	7.980	8.543	93566	220136	0.049	BelowCal #
29) 2,4'-DDT	8.171	8.768	230393	376180	0.114	0.179 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
 Data File : ECD8-02222154.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 14:01  
 Operator : MJB 1B25056-CAL5  
 Sample : ~~1B22071-CALAB~~  
 Misc : A21B447, TOX 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 16:34:59 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 15:33:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

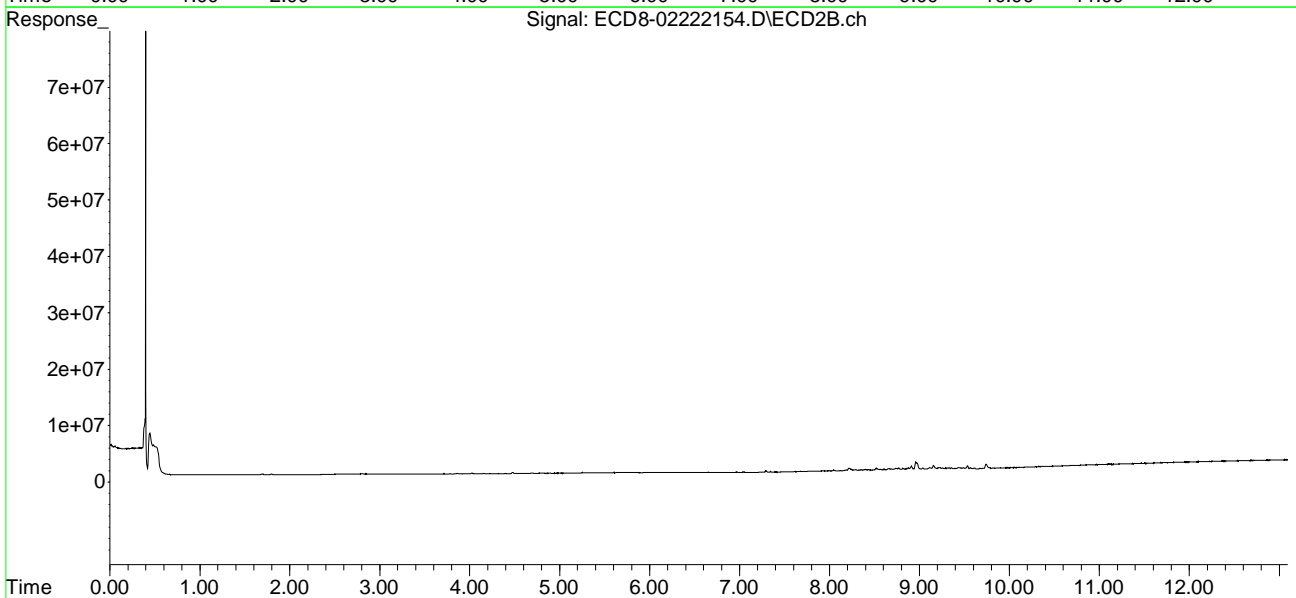
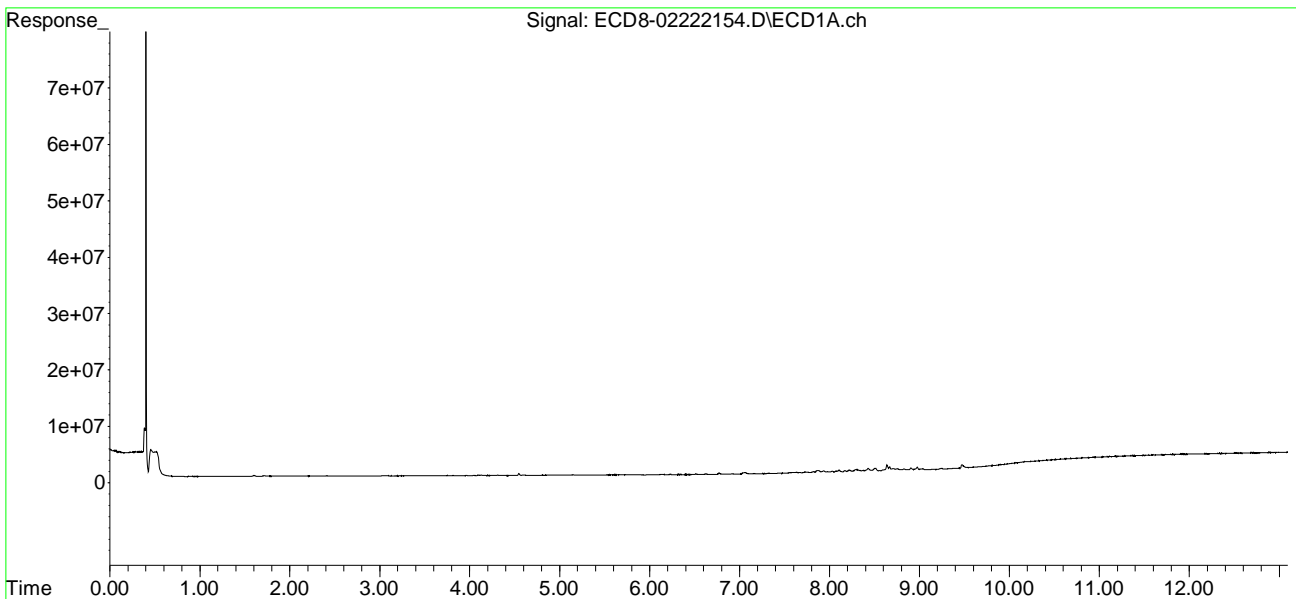
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.816	338428	280861	0.101	0.078
31)	Mirex	8.975	9.741	499987	820552	0.074	0.002 #
32)	Chlordane...	7.728	8.187	135047	173743	0.386	0.430
33)	Chlordane...	7.823	8.292	157540	206798	0.453	0.613 #
34)	Chlordane...	8.377	8.959	163951	1402233	1.554	2.886 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.823f	8.522	157540	355295	9.756	11.209
37)	Toxaphene...	8.107	8.876	331240	394935	9.757	10.232
38)	Toxaphene...	8.429	8.909	541688	638427	9.385	11.054
39)	Toxaphene...	8.667	8.974	682782	1223038	10.824	10.083
40)	Toxaphene...	8.904	9.156	400097	739186	8.420	9.928
41)	Toxaphene...	8.975	9.533	499987	571304	9.281	9.952
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\  
Data File : ECD8-02222154.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 14:01  
Operator : MJB 1B25056-CAL4  
Sample : ~~1B22071-CALAB~~  
Misc : A21B447, TOX 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 16:34:59 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 15:33:30 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Sequence Name: C:\msdchem\1\sequence\1B22071.s

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	1	1B22071-IBL4		
	Datafile		ECD8-02222144		
	Method		ECD8_AQUPEST_190925		
45)	Sample	39	1B22071-ICV4		
	Datafile		ECD8-02222145		
	Method		ECD8_AQUPEST_190925		
46)	Sample	1	Hexane		
	Datafile		ECD8-02222146		
	Method		ECD8_AQUPEST_190925		
47)	Sample	1	Hexane		
	Datafile		ECD8-02222147		
	Method		ECD8_AQUPEST_190925		
48)	Sample	2	<del>1B22071-BKD2</del>	1B25056-BKD1	
	Datafile		ECD8-02222148		
	Method		ECD8_AQUPEST_190925		
49)	Sample	3	<del>1B22071-ICB2</del>	1B25056-ICB1	
	Datafile		ECD8-02222149		
	Method		ECD8_AQUPEST_190925		
50)	Sample	4	<del>1B22071-CALX</del>	1B25056-CAL1	
	Datafile		ECD8-02222150		
	Method		ECD8_AQUPEST_190925		
51)	Sample	5	<del>1B22071-CALY</del>	1B25056-CAL2	
	Datafile		ECD8-02222151		
	Method		ECD8_AQUPEST_190925		
52)	Sample	6	<del>1B22071-CALZ</del>	1B25056-CAL3	
	Datafile		ECD8-02222152		
	Method		ECD8_AQUPEST_190925		
53)	Sample	7	<del>1B22071-CALAA</del>	1B25056-CAL4	
	Datafile		ECD8-02222153		
	Method		ECD8_AQUPEST_190925		
54)	Sample	8	<del>1B22071-CALAB</del>	1B25056-CAL5	
	Datafile		ECD8-02222154		
	Method		ECD8_AQUPEST_190925		

Sequence exceeded the number of calibration points allowed by element. Sequence 1B25056 was created to enter data into calibration.

Pesticide BKD

**Pesticide Breakdown Check (Validated 8/8/2013)**

Sequence: 1B25056 BKD1  
~~1B22071~~ ~~BKD2~~  
Data File: ECD8-02222148.D

MJB 2/23/21

First Column Area Counts		Percent Breakdown	
DDE	27524476		
DDD	33741942		
DDT	1949287753	<b>3.05</b>	<b>PASS</b>
Endrin	1078311959	<b>13.10</b>	<b>PASS</b>
Endrin Aldehyde	69440709		
Endrin Ketone	93146119		

Second Column Area Counts		Percent Breakdown	
DDE	21776704		
DDD	39227319		
DDT	2143968091	<b>2.77</b>	<b>PASS</b>
Endrin	1061447944	<b>12.01</b>	<b>PASS</b>
Endrin Aldehyde	61010388		
Endrin Ketone	83866502		

*Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222148.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:24  
 Operator : MJB 1B25056-BKD1  
 Sample : ~~1B22071-BKD2~~  
 Misc : A20K279  
 ALS Vial : 2 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 12:44:00 2021  
 Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222.M  
 Quant Title : Pesticides  
 QLast Update : Fri Nov 09 13:28:51 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	R.T.	Response	Conc	Units
-----				
Target Compounds				
1) 4,4'-DDE	7.872	27524476	NoCal	ng/mL
2) Endrin	8.271	1078311959	NoCal	ng/mL
3) 4,4'-DDD	8.305	33741942	NoCal	ng/mL
4) 4,4'-DDT	8.501	1949287753	NoCal	ng/mL
5) Endrin Aldehyde	8.732	69440709	NoCal	ng/mL
6) Endrin Ketone	9.241	93146119	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.392	21776704	NoCal	ng/mL
9) Endrin [2C]	8.768	1061447944	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.808	39227319	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.152	61010388	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.035	2143968091	NoCal	ng/mL
13) Endrin Ketone [2C]	9.743	83866502	NoCal	ng/mL
-----				

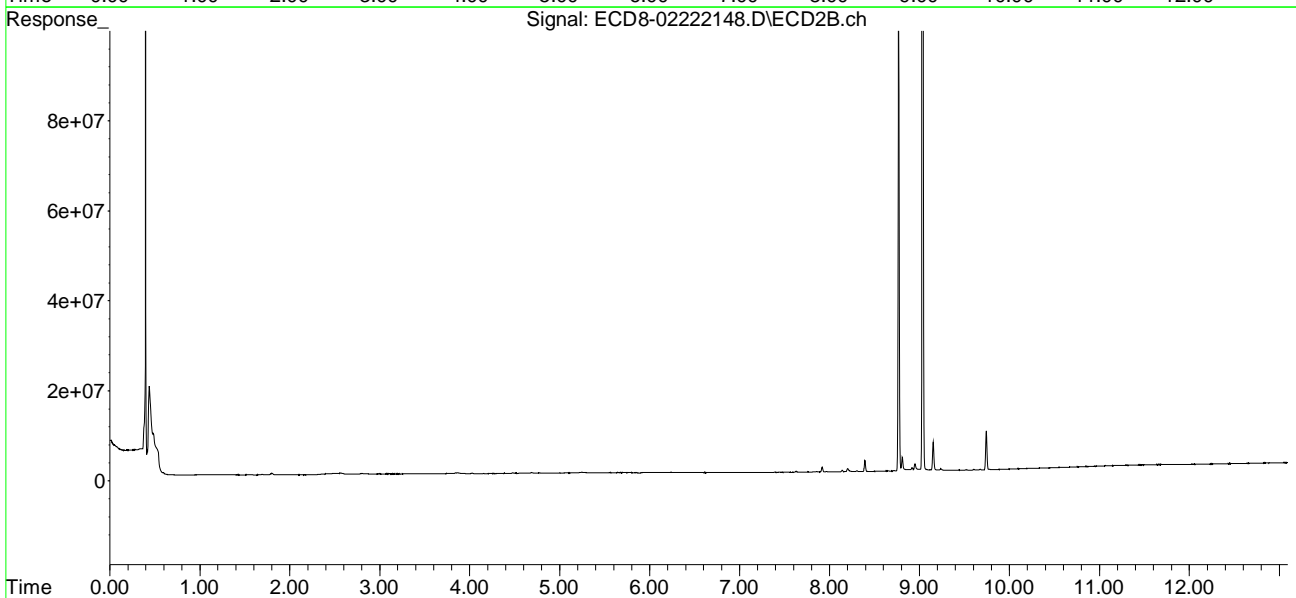
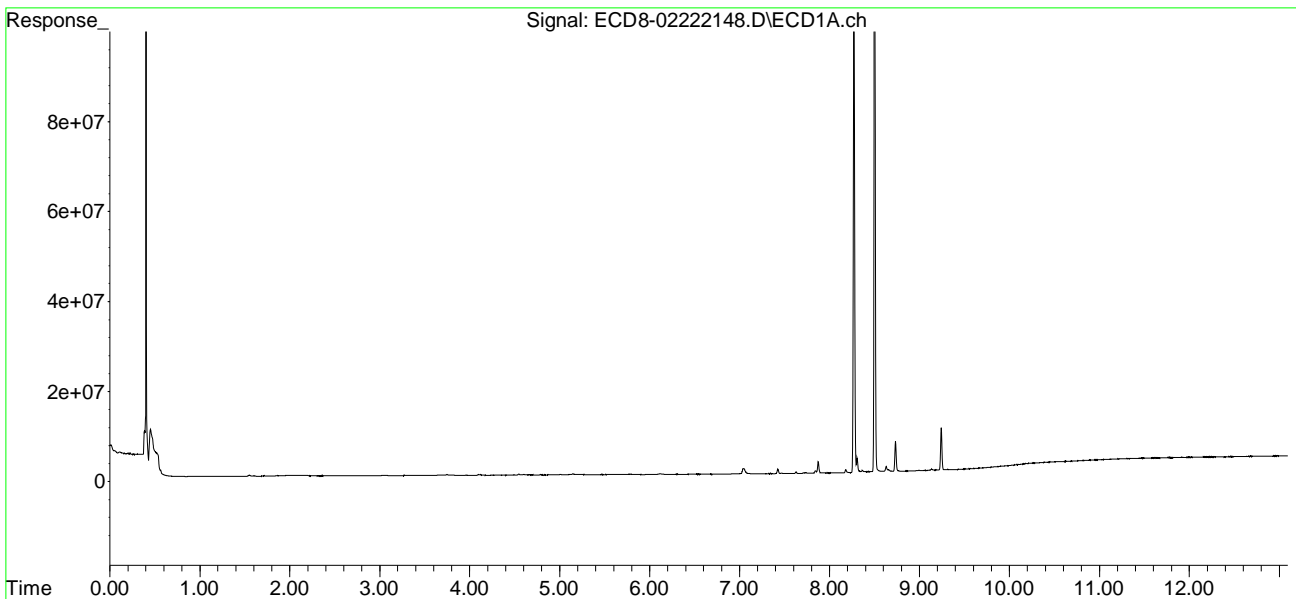
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222148.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:24  
Operator : MJB 1B25056-BKD1  
Sample : ~~1B22071-BKD2~~  
Misc : A20K279  
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 12:44:00 2021  
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK\_210222.M  
Quant Title : Pesticides  
QLast Update : Fri Nov 09 13:28:51 2018  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222150.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:56  
 Operator : MJB 1B25056-CAL1  
 Sample : ~~1B22071-CALX~~  
 Misc : A21B443, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:17:38 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.055	1755678	1860577	0.491	0.491
22) S	DCBP (S)	9.915	10.609	1554393	1167406	0.074	0.236 #
Target Compounds							
2)	a-BHC	6.229	6.651	2222261	2204979	0.488	0.457
3)	g-BHC	6.517	6.968	1874105	1984533	0.468	0.470
4)	b-BHC	6.586	7.041	10812	1139580	0.006	0.599 #
5)	Heptachlor	6.916	7.343	1842639	1933918	0.451	0.459
6)	d-BHC	6.766f	7.290	1728917	1930864	0.453	0.481
7)	Aldrin	7.159	7.608	1722892	1662941	0.454	0.429
8)	Heptachlo...	7.634	8.046	1867692	1866370	0.531	0.517
9)	trans-Chl...	7.728	8.186	1776814	1838997	0.500	0.494
10)	cis-Chlor...	7.825	8.293	1777335	1835270	0.345	0.522 #
11)	Endosulfa...	7.930	8.344	1637136	1664447	0.505	0.507
12)	4,4'-DDE	7.877	8.394	2099775	1915941	0.586	0.536
13)	Dieldrin	8.103	8.544	1742625	1714474	0.482	0.469
14)	Endrin	8.274	8.770	1311200	1305037	0.528	0.553
15)	4,4'-DDD	8.311	8.812	1569408	1546397	0.533	0.524
16)	Endosulfa...	8.440	8.919	1364741	1428372	0.473	0.500
17)	4,4'-DDT	8.506	9.038	1280117	1335145	0.460	0.507
18)	Endrin Al...	8.737	9.155	2068221	2081253	0.474	0.540
19)	Endosulfa...	9.044	9.351	1441708	1502423	0.520	0.538
20)	Methoxychlor	8.838	9.506	666585	706809	0.314	0.418 #
21)	Endrin Ke...	9.245	9.744	1713787	2282416	0.478	0.426
23)	Hexachlor...	0.000	3.783	0	59926	N.D.	0.017 #
24)	Hexachlor...	0.000	6.520	0	33235	N.D.	0.009 #
25)	Oxychlorane	7.545	7.966	32594	26053	0.011	0.008
26)	2,4'-DDE	7.634	8.148	1867692	32168	0.819	0.014 #
27)	trans-Non...	7.825f	0.000	1777335	0	0.516	N.D. #
28)	2,4'-DDD	8.026f	8.544	16421	1714474	0.008	0.820 #
29)	2,4'-DDT	8.192	8.770	8550	1305037	0.004	0.681 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222150.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:56  
 Operator : MJB 1B25056-CAL1  
 Sample : ~~1B22071-CALX~~  
 Misc : A21B443, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:17:38 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

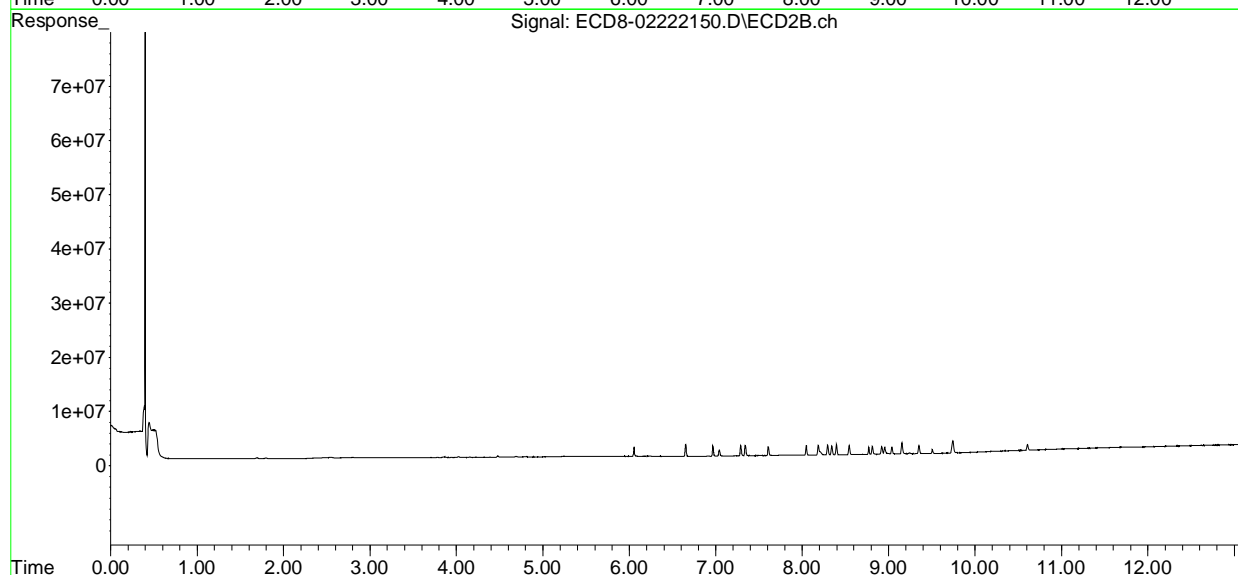
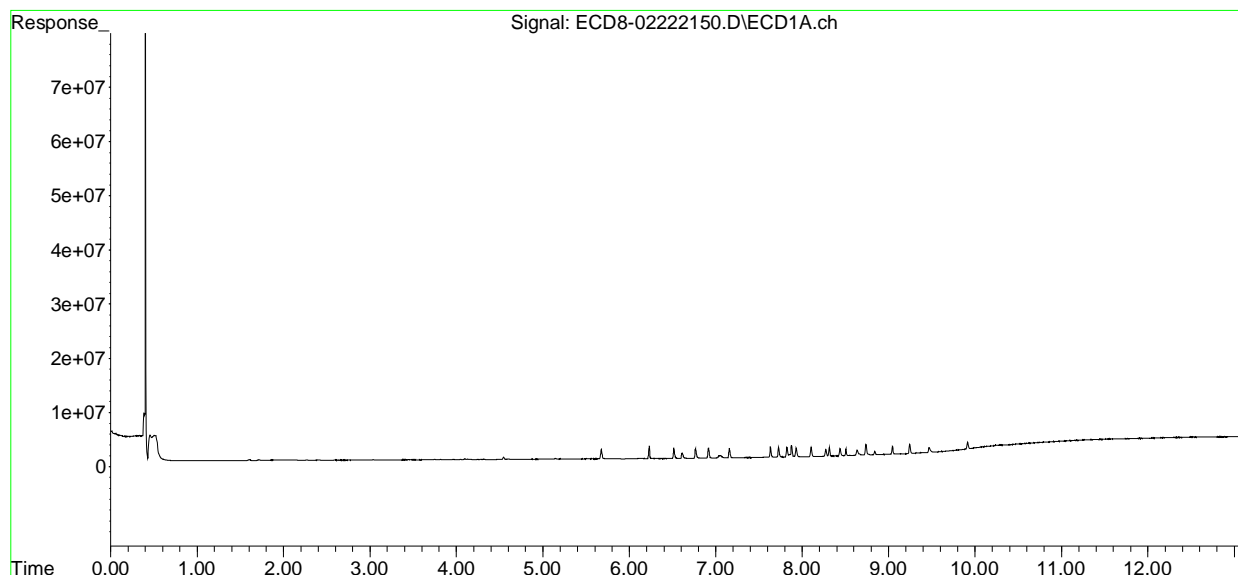
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.274	8.812	1311200	1546397	0.358	0.409
31)	Mirex	8.977	9.744	13721	2282416	1187265.810	0.793
#							
32)	Chlordane...	7.728	8.186	1776814	1838997	4.849	4.427
33)	Chlordane...	7.825	8.293	1777335	1835270	4.829	5.245
34)	Chlordane...	8.382	8.955	18851	1347294	0.164	11.843 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.825f	8.513	1777335	14673	119.470	0.386 #
37)	Toxaphene...	8.103	8.867	1742625	25187	52.905	0.534 #
38)	Toxaphene...	8.440	8.919	1364741	1428372	19.687	20.309
39)	Toxaphene...	8.635f	8.955	1030802	1347294	13.851	11.309
40)	Toxaphene...	8.900	9.155	12934	2081253	0.218	30.211 #
41)	Toxaphene...	8.977	9.550f	13721	14804	0.204	0.198
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB 1B25056-CAL1  
Sample : ~~1B22071-CALX~~  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

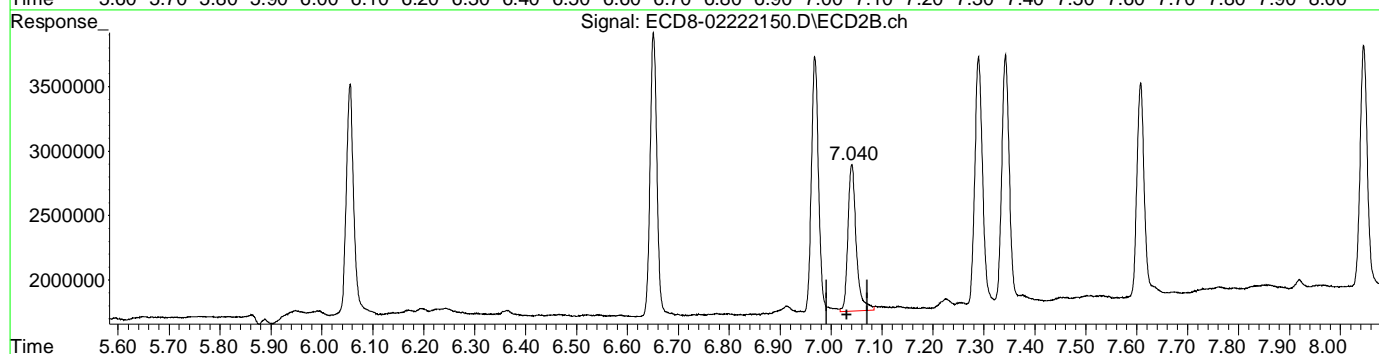
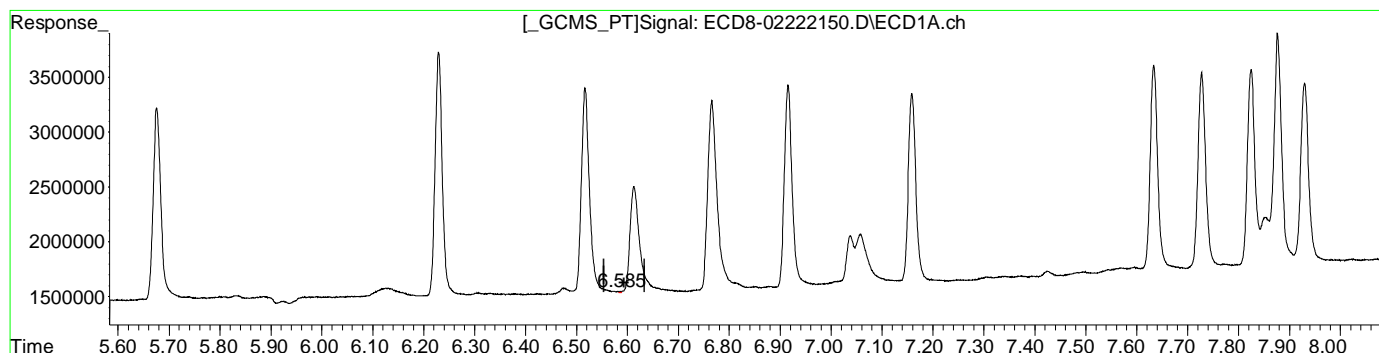
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:17:38 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB 1B25056-CAL1  
Sample : ~~1B22071-CALX~~  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:17:38 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

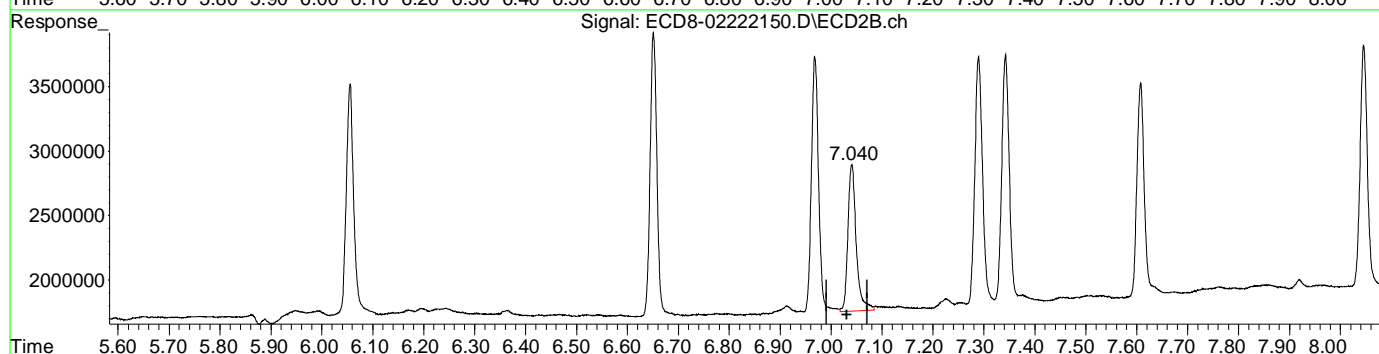
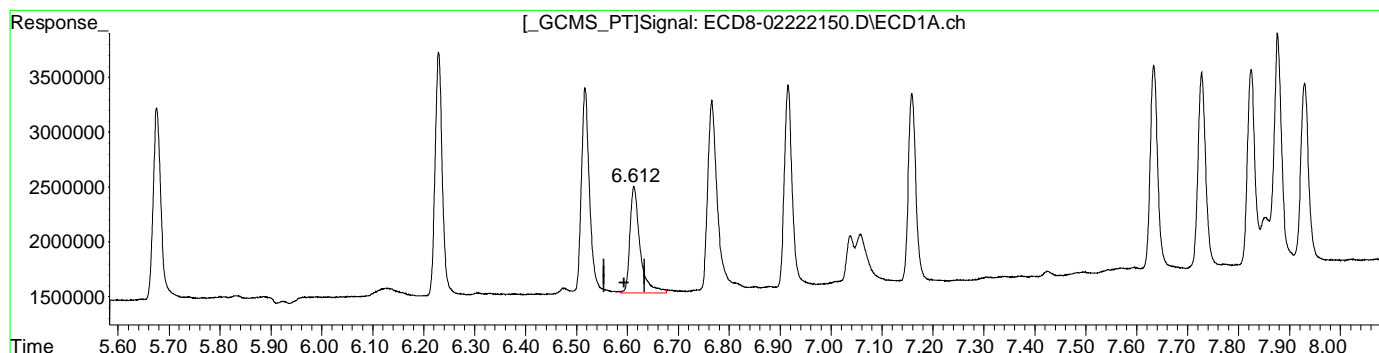
(4) b-BHC  
6.586min 0.006 ng/mL  
response 10812

(4) b-BHC #2  
7.041min 0.599 ng/mL  
response 1139580

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB 1B25056-CAL1  
Sample : ~~1B22071-CALX~~  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:17:38 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

(4) b-BHC  
6.612min 0.549 ng/mL m  
response 972914

(4) b-BHC #2  
7.041min 0.599 ng/mL  
response 1139580

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222150.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:56  
 Operator : MJB 1B25056-CAL1  
 Sample : ~~1B22071-CALX~~  
 Misc : A21B443, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:17:38 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds				Curve point was not used in calibration.			
1) S TCMX (S)	5.676	6.055	1755678	1860577	0.491	0.491	
22) S DCBP (S)	9.915	10.609	1554393	1167406	0.074	0.236 #	
Target Compounds							
2) a-BHC	6.229	6.651	2222261	2204979	0.488	0.457	
3) g-BHC	6.517	6.968	1874105	1984533	0.468	0.470	
4) b-BHC	6.612	7.041	972914	1139580	0.549m	0.599	
5) Heptachlor	6.916	7.343	1842639	1933918	0.451	0.459	
6) d-BHC	6.766f	7.290	1728917	1930864	0.453	0.481	
7) Aldrin	7.159	7.608	1722892	1662941	0.454	0.429	
8) Heptachlo...	7.634	8.046	1867692	1866370	0.531	0.517	
9) trans-Chl...	7.728	8.186	1776814	1838997	0.500	0.494	
10) cis-Chlor...	7.825	8.293	1777335	1835270	0.345	0.522 #	
11) Endosulfa...	7.930	8.344	1637136	1664447	0.505	0.507	
12) 4,4'-DDE	7.877	8.394	2099775	1915941	0.586	0.536	
13) Dieldrin	8.103	8.544	1742625	1714474	0.482	0.469	
14) Endrin	8.274	8.770	1311200	1305037	0.528	0.553	
15) 4,4'-DDD	8.311	8.812	1569408	1546397	0.533	0.524	
16) Endosulfa...	8.440	8.919	1364741	1428372	0.473	0.500	
17) 4,4'-DDT	8.506	9.038	1280117	1335145	0.460	0.507	
18) Endrin Al...	8.737	9.155	<del>2068221</del>	2081253	0.474	0.540	
19) Endosulfa...	9.044	9.351	1441708	1502423	0.520	0.538	
20) Methoxychlor	8.838	9.506	666585	706809	0.314	0.418 #	
21) Endrin Ke...	9.245	9.744	1713787	2282416	0.478	0.426	
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d	
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d	
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d	
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d	
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d	
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222150.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 12:56  
 Operator : MJB 1B25056-CAL1  
 Sample : ~~1B22071-CALX~~  
 Misc : A21B443, AB 0.5 ppb  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:17:38 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

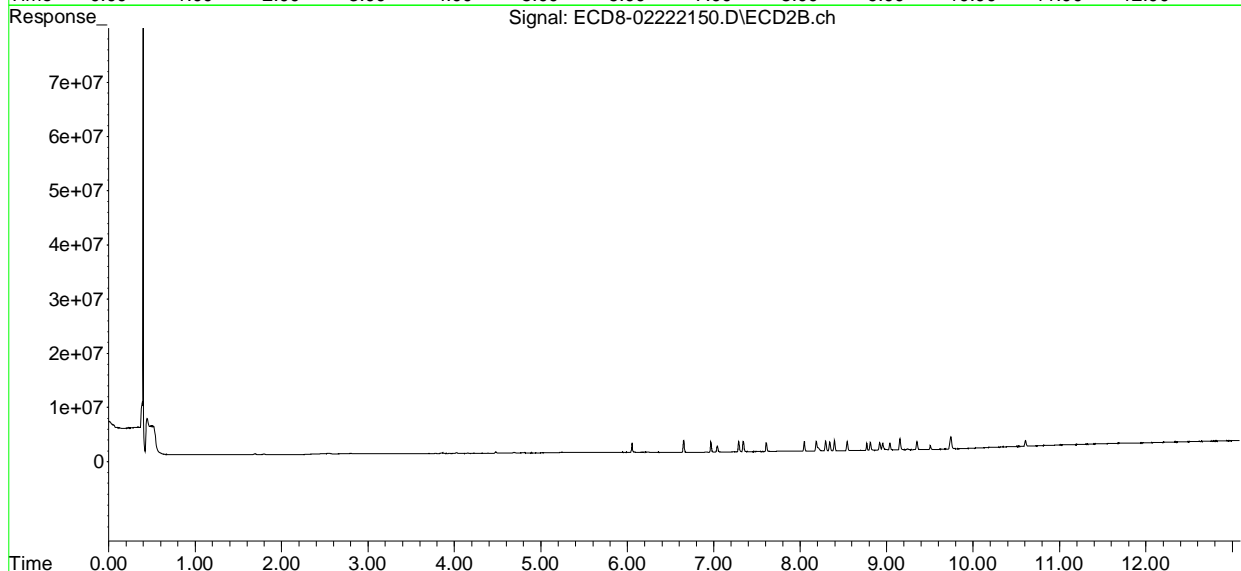
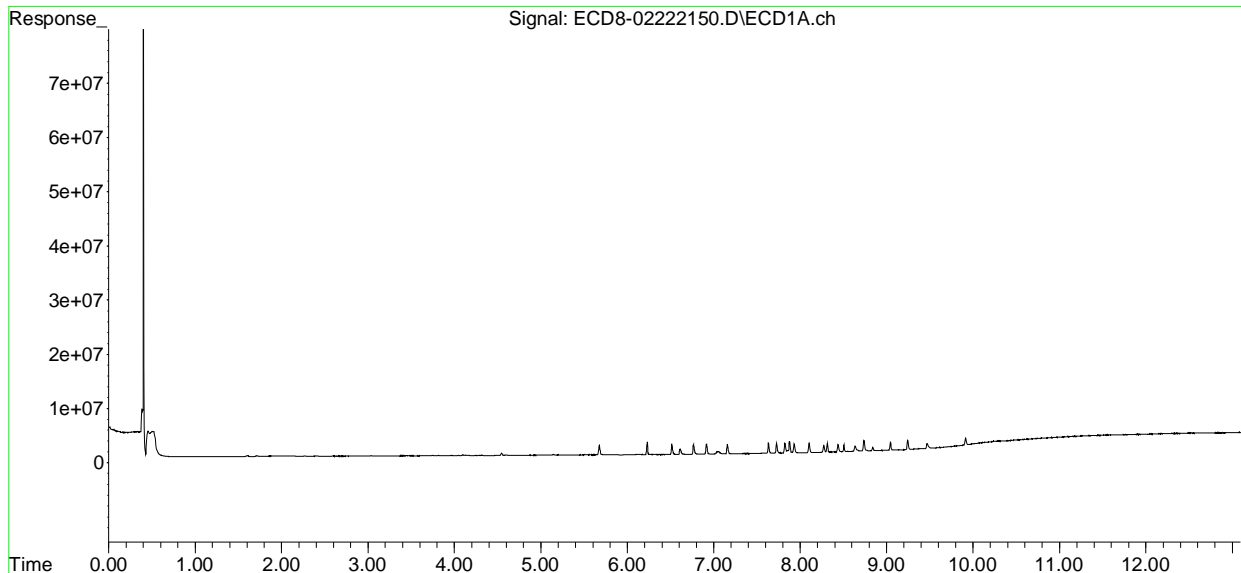
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222150.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 12:56  
Operator : MJB1B25056-CAL1  
Sample : ~~1B22071-CALX~~  
Misc : A21B443, AB 0.5 ppb  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:17:38 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222151.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:13  
 Operator : MJB 1B25056-CAL2  
 Sample : ~~1B22071-CALY~~  
 Misc : A21B444, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:20:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----							
System Monitoring Compounds							
1) S	TCMX (S)	5.677	6.055	3089516	3171759	0.864	0.837
22) S	DCBP (S)	9.913	10.608	2655464	1991701	0.524	0.628
Target Compounds							
2)	a-BHC	6.230	6.652	3881163	3945238	0.852	0.818
3)	g-BHC	6.518	6.969	3048133	3438052	0.761	0.815
4)	b-BHC	6.587	7.040	14602	1839198	0.008	0.966 #
5)	Heptachlor	6.916	7.343	3086921	3366411	0.756	0.800
6)	d-BHC	6.729	7.289	8760	3349325	0.002	0.835 #
7)	Aldrin	7.160	7.608	3002594	3034328	0.792	0.783
8)	Heptachlo...	7.634	8.045	3126066	3174485	0.888	0.879
9)	trans-Chl...	7.728	8.186	3087656	3098627	0.869	0.833
10)	cis-Chlor...	7.825	8.294	3067156	3054425	0.736	0.869
11)	Endosulfa...	7.930	8.344	2868001	2860014	0.884	0.871
12)	4,4'-DDE	7.877	8.394	3407128	3205556	0.951	0.897
13)	Dieldrin	8.103	8.544	2975189	2913255	0.823	0.797
14)	Endrin	8.273	8.769	2263795	2122366	0.911	0.899
15)	4,4'-DDD	8.311	8.812	2575075	2541451	0.874	0.861
16)	Endosulfa...	8.439	8.918	2262321	2356801	0.784	0.825
17)	4,4'-DDT	8.505	9.037	2143263	2175483	0.770	0.859
18)	Endrin Al...	8.736	9.154	3391517	3341794	0.923	0.996
19)	Endosulfa...	9.044	9.350	2314150	2421845	0.835	0.867
20)	Methoxychlor	8.838	9.505	1092433	1184029	0.643	0.825 #
21)	Endrin Ke...	9.244	9.744	2916439	3277354	0.813	0.752
23)	Hexachlor...	3.472	3.783	24200	85417	10575.090	0.024 #
24)	Hexachlor...	6.063	6.519	30314	13338	0.008	0.004 #
25)	Oxychlorane	7.564	7.960	43237	27211	0.014	0.009 #
26)	2,4'-DDE	7.634	8.186	3126066	3098627	1.371	1.327
27)	trans-Non...	7.825f	0.000	3067156	0	0.891	N.D. #
28)	2,4'-DDD	8.019f	8.544	28344	2913255	0.014	1.394 #
29)	2,4'-DDT	8.184	8.769	10109	2122366	0.005	1.141 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222151.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:13  
 Operator : MJB1B25056-CAL2  
 Sample : ~~1B22071-CALY~~  
 Misc : A21B444, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:20:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

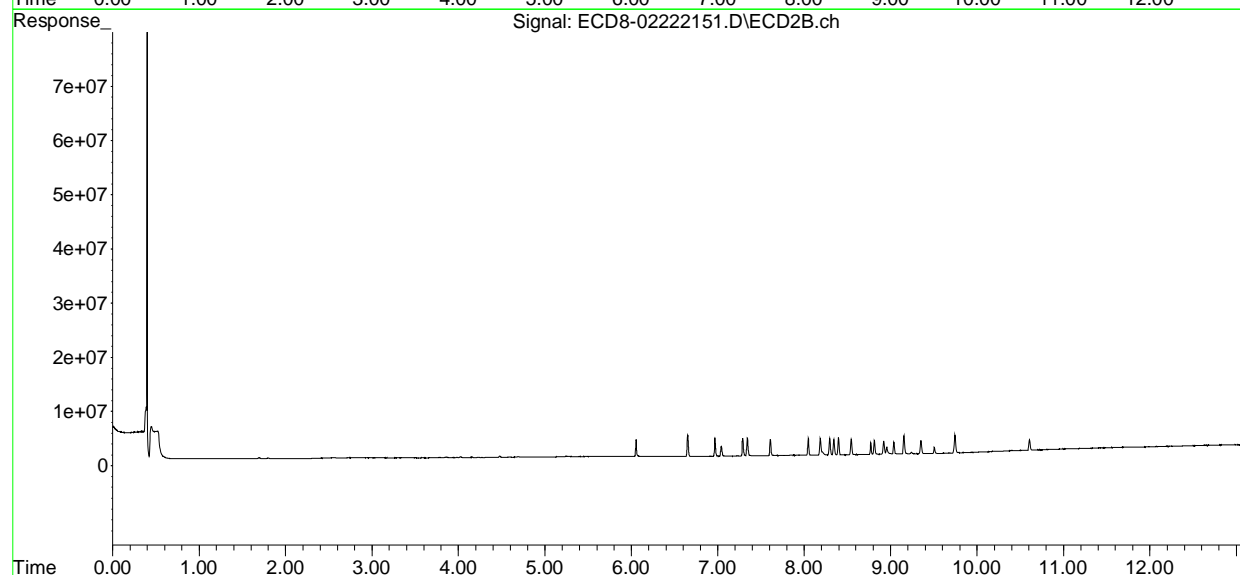
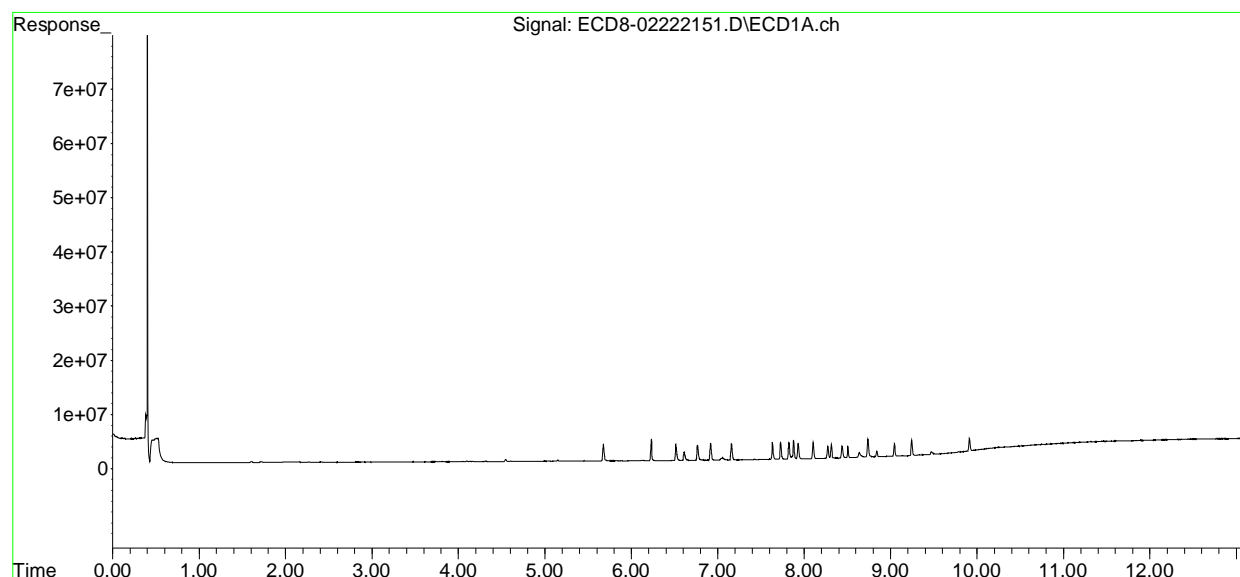
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.273	8.812	2263795	2541451	0.618	0.671
31)	Mirex	8.965	9.744	13720	3277354	1187265.810	1.249
#							
32)	Chlordane...	7.728	8.186	3087656	3098627	8.425	7.460
33)	Chlordane...	7.825	8.294	3067156	3054425	8.334	8.729
34)	Chlordane...	8.376	8.956	27894	1281645	0.243	11.265 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.825f	8.501	3067156	8669	206.171	0.228 #
37)	Toxaphene...	8.103	0.000	2975189	0	90.325	N.D. #
38)	Toxaphene...	8.409	8.918	5582	2356801	0.081	33.509 #
39)	Toxaphene...	8.636f	8.956	962319	1281645	12.931	10.758
40)	Toxaphene...	8.897	9.154	11009	3341794	0.185	48.509 #
41)	Toxaphene...	8.970	9.505f	11265	1184029	0.167	15.812 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

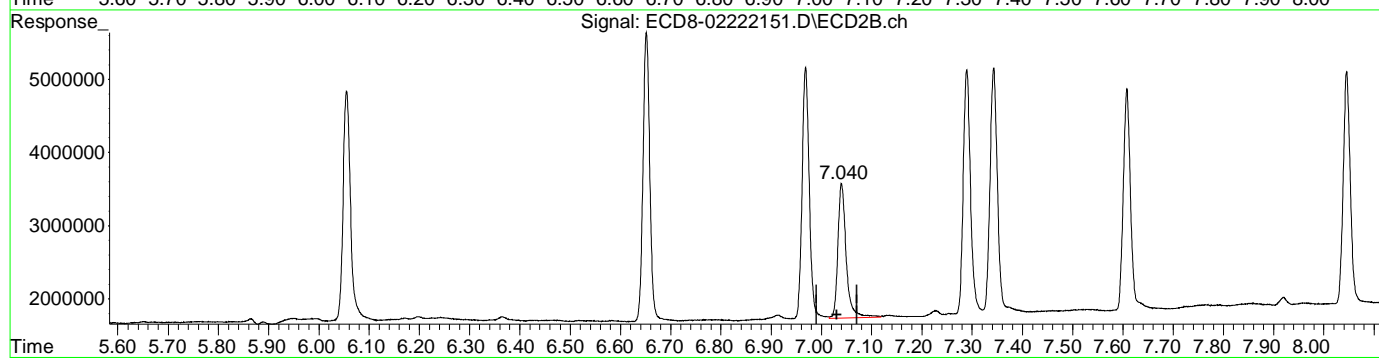
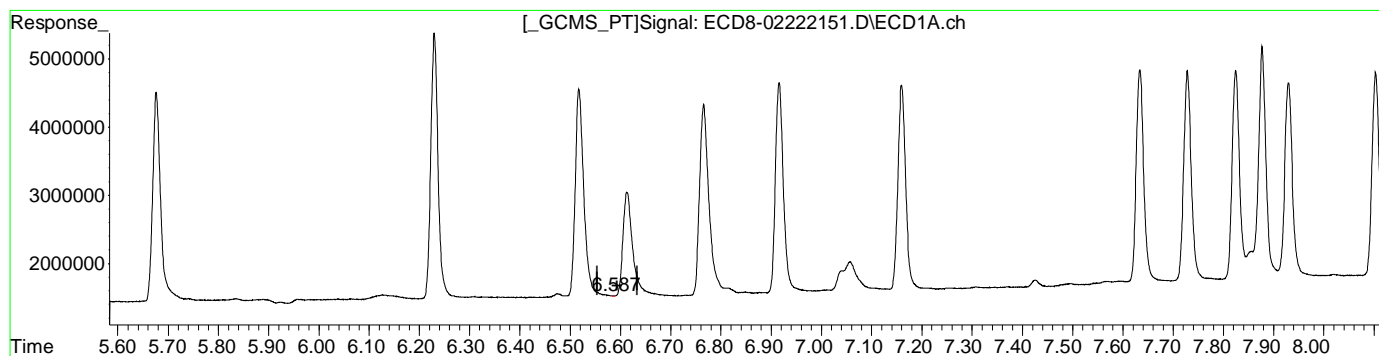
Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:20:01 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:20:01 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

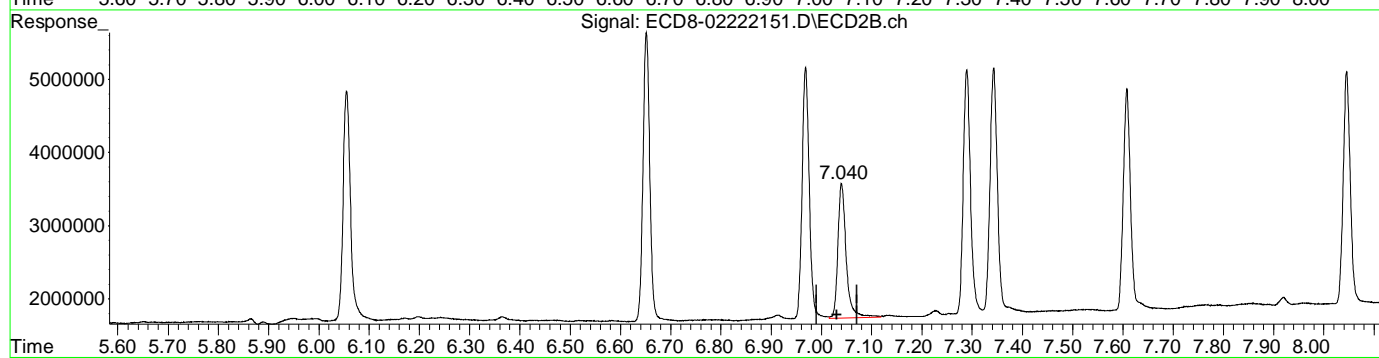
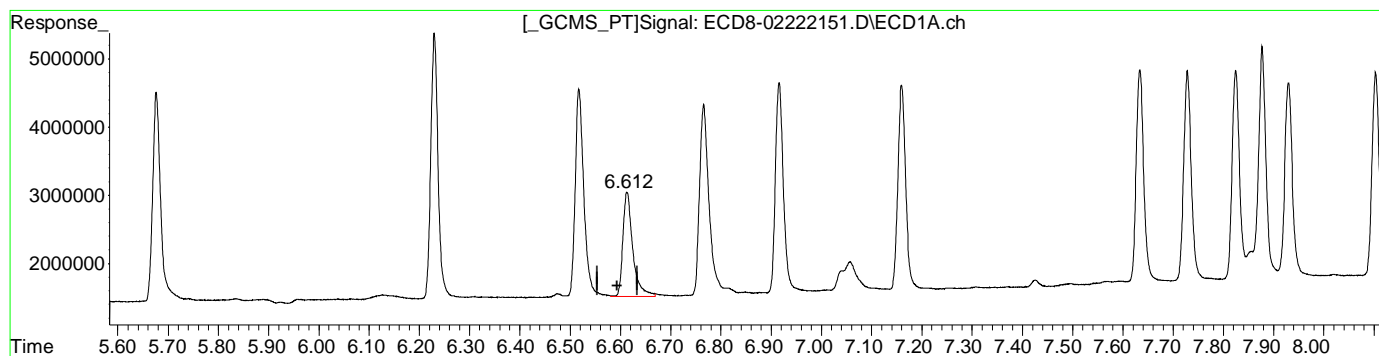
(4) b-BHC  
6.587min 0.008 ng/mL  
response 14602

(4) b-BHC #2  
7.040min 0.966 ng/mL  
response 1839198

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:20:01 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

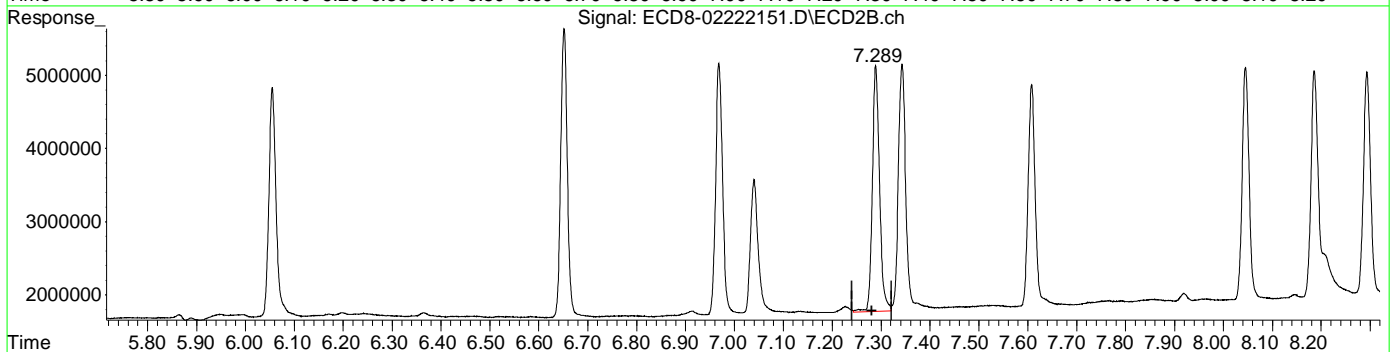
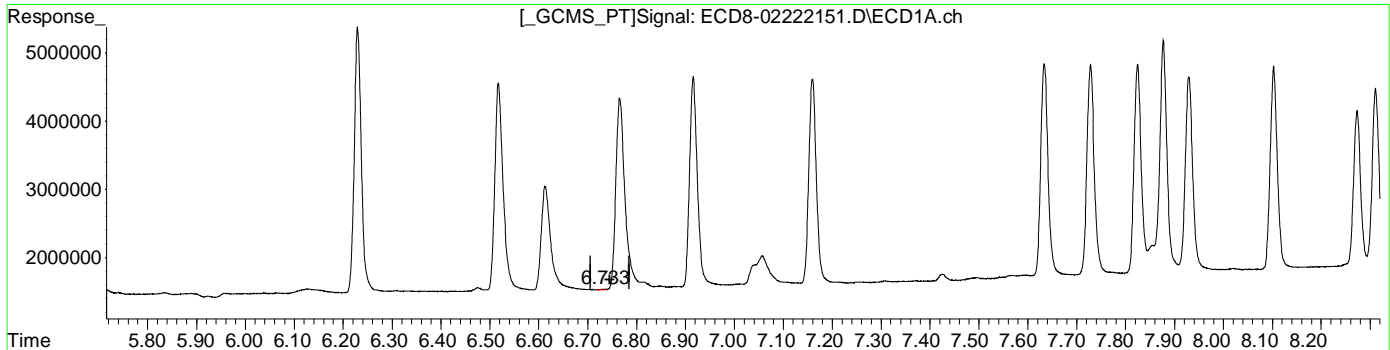
(4) b-BHC  
6.612min 0.866 ng/mL m  
response 1534080

(4) b-BHC #2  
7.040min 0.966 ng/mL  
response 1839198

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:20:01 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

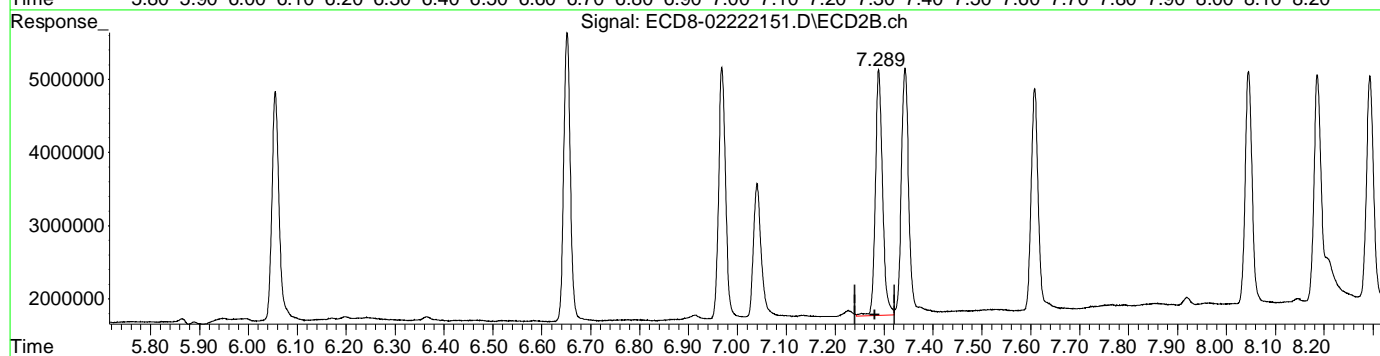
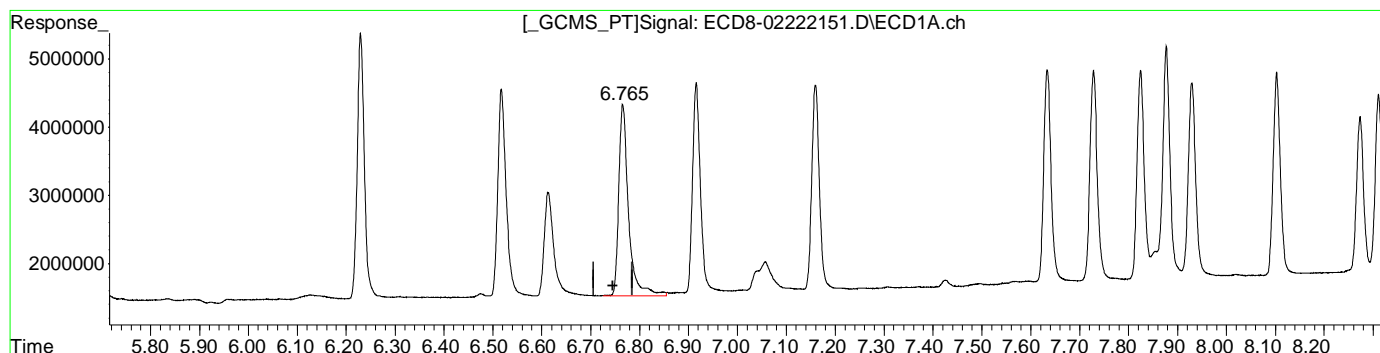
(6) d-BHC  
6.729min 0.002 ng/mL  
response 8760

(6) d-BHC #2  
7.289min 0.835 ng/mL  
response 3349325

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:20:01 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



QEdit

(6) d-BHC  
6.765min 0.737 ng/mL m  
response 2812527

(6) d-BHC #2  
7.289min 0.835 ng/mL  
response 3349325

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222151.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:13  
 Operator : MJB1B25056-CAL2  
 Sample : ~~1B22071-CALY~~  
 Misc : A21B444, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:20:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds			Curve point was not used in calibration.			
1) S TCMX (S)	5.677	6.055	3089516	3171759	0.864	0.837
22) S DCBP (S)	9.913	10.608	2655464	1991701	0.524	0.628
Target Compounds						
2) a-BHC	6.230	6.652	3881163	3945238	0.852	0.818
3) g-BHC	6.518	6.969	3048133	3438052	0.761	0.815
4) b-BHC	6.612	7.040	1534080	1839198	0.866m	0.966
5) Heptachlor	6.916	7.343	3086921	3366411	0.756	0.800
6) d-BHC	6.765	7.289	2812527	3349325	0.737m	0.835
7) Aldrin	7.160	7.608	3002594	3034328	0.792	0.783
8) Heptachlo...	7.634	8.045	3126066	3174485	0.888	0.879
9) trans-Chl...	7.728	8.186	3087656	3098627	0.869	0.833
10) cis-Chlor...	7.825	8.294	3067156	3054425	0.736	0.869
11) Endosulfa...	7.930	8.344	2868001	2860014	0.884	0.871
12) 4,4'-DDE	7.877	8.394	3407128	3205556	0.951	0.897
13) Dieldrin	8.103	8.544	2975189	2913255	0.823	0.797
14) Endrin	8.273	8.769	2263795	2122366	0.911	0.899
15) 4,4'-DDD	8.311	8.812	2575075	2541451	0.874	0.861
16) Endosulfa...	8.439	8.918	2262321	2356801	0.784	0.825
17) 4,4'-DDT	8.505	9.037	2143263	2175483	0.770	0.859
18) Endrin Al...	8.736	9.154	<del>3391517</del>	3341794	0.923	0.996
19) Endosulfa...	9.044	9.350	2314150	2421845	0.835	0.867
20) Methoxychlor	8.838	9.505	1092433	1184029	0.643	0.825 #
21) Endrin Ke...	9.244	9.744	2916439	3277354	0.813	0.752
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222151.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:13  
 Operator : MJB 1B25056-CAL2  
 Sample : ~~1B22071-CALY~~  
 Misc : A21B444, AB 1 ppb  
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:20:01 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

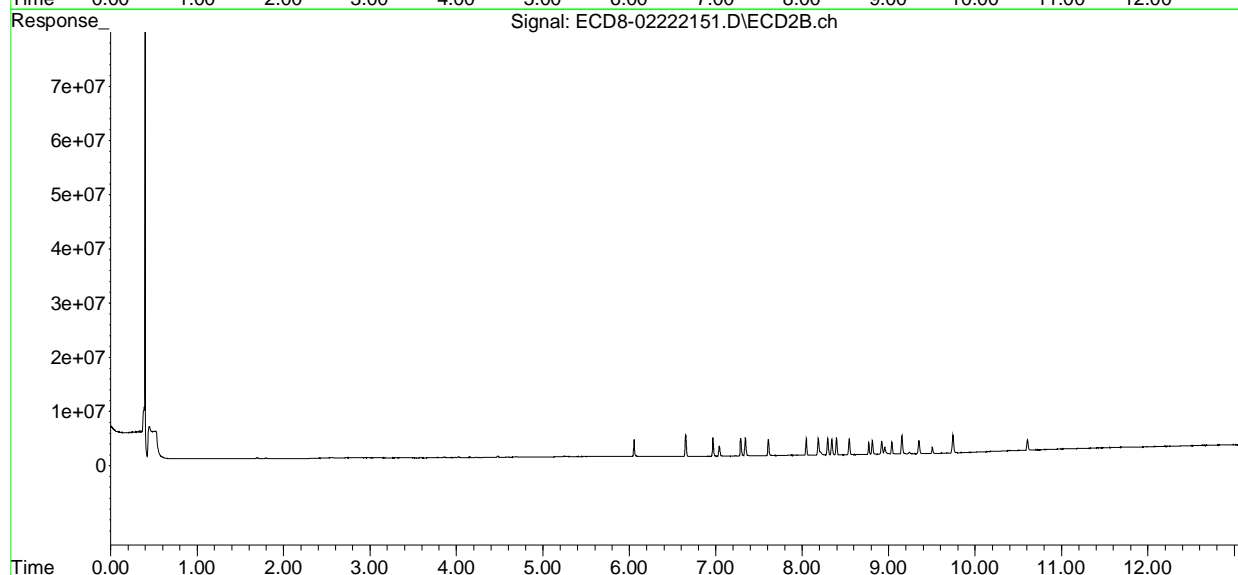
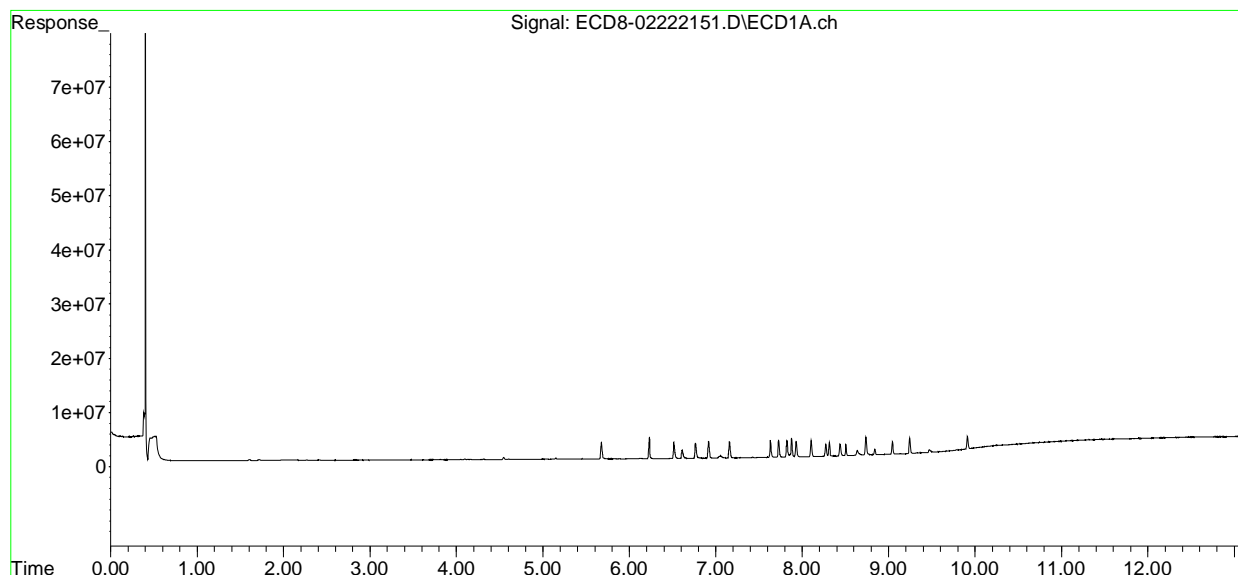
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222151.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:13  
Operator : MJB 1B25056-CAL2  
Sample : ~~1B22071-CALY~~  
Misc : A21B444, AB 1 ppb  
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:20:01 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222152.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:29  
 Operator : MJB 1B25056-CAL3  
 Sample : ~~1B22071-CALZ~~  
 Misc : A21B445, 9-42 0.5 ppb  
 ALS Vial : 6 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:22:30 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	3.464	3.771	1999025	2259249	0.537	0.626
24) Hexachlor...	6.064	6.521	1575049	1782150	0.438	0.469
25) Oxychlorane	7.556	7.977	1465803	1560221	0.476	0.496
26) 2,4'-DDE	7.626	8.172	1192845	1189427	0.523	0.509
27) trans-Non...	7.812	8.253	1638252	1762762	0.476	0.497
28) 2,4'-DDD	8.008	8.547	992555	1125638	0.500	0.539
29) 2,4'-DDT	8.186	8.769	944593	1012093	0.460	0.516

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222152.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:29  
 Operator : MJB 1B25056-CAL3  
 Sample : ~~1B22071-CALZ~~  
 Misc : A21B445, 9-42 0.5 ppb  
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:22:30 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

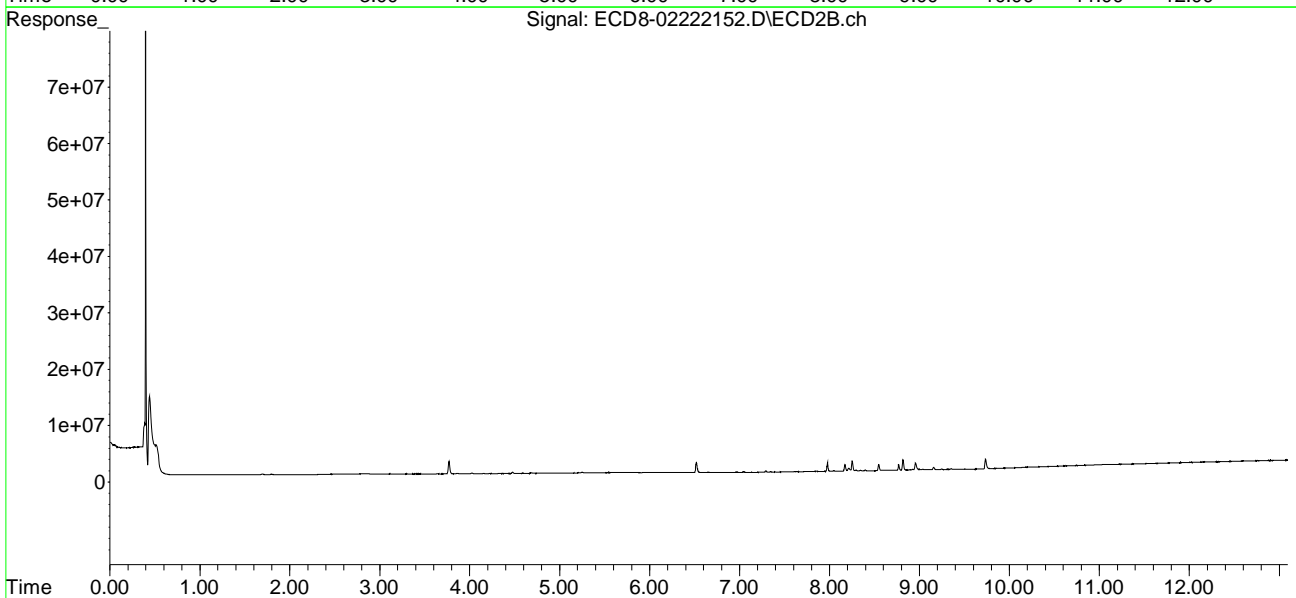
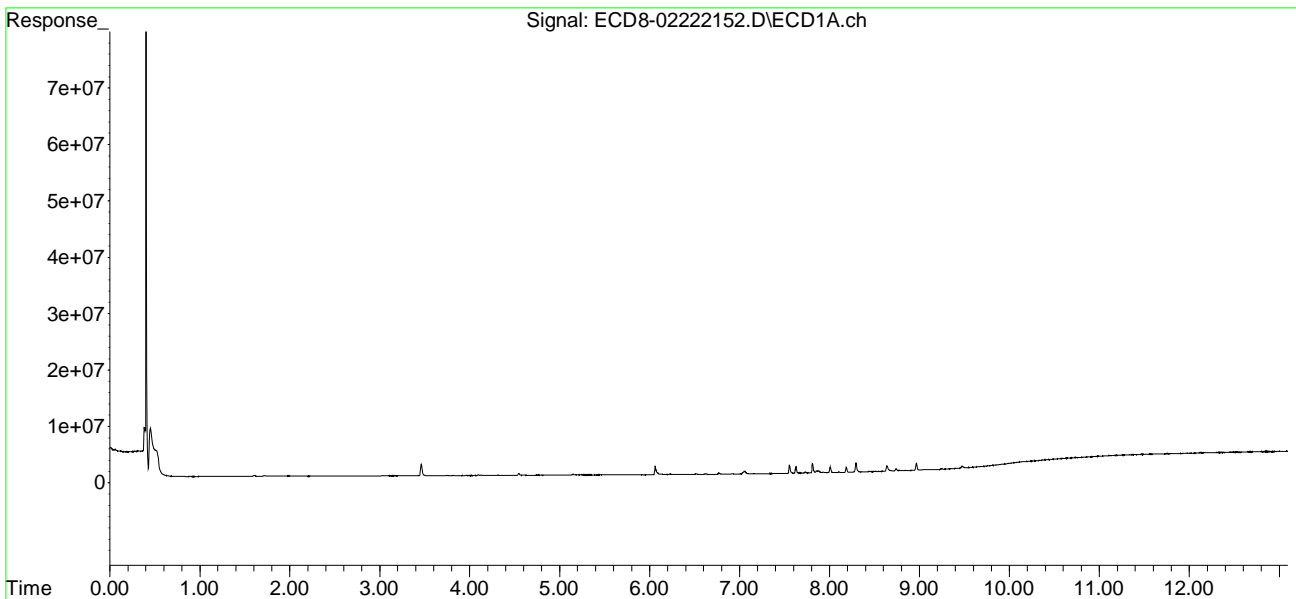
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.293	8.816	1656148	1870927	0.452	0.494
31)	Mirex	8.966	9.735	1264305	1705947	0.363	0.528 #
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222152.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:29  
Operator : MJB 1B25056-CAL3  
Sample : ~~1B22071-CALZ~~  
Misc : A21B445, 9-42 0.5 ppb  
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:22:30 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222153.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:45  
 Operator : MJB 1B25056-CAL4  
 Sample : ~~1B22071-CALAA~~  
 Misc : A21B446, CHLOR 10 ppb  
 ALS Vial : 7 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:23:23 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222153.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 13:45  
 Operator : MJB 1B25056-CAL4  
 Sample : ~~1B22071-CALAA~~  
 Misc : A21B446, CHLOR 10 ppb  
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:23:23 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

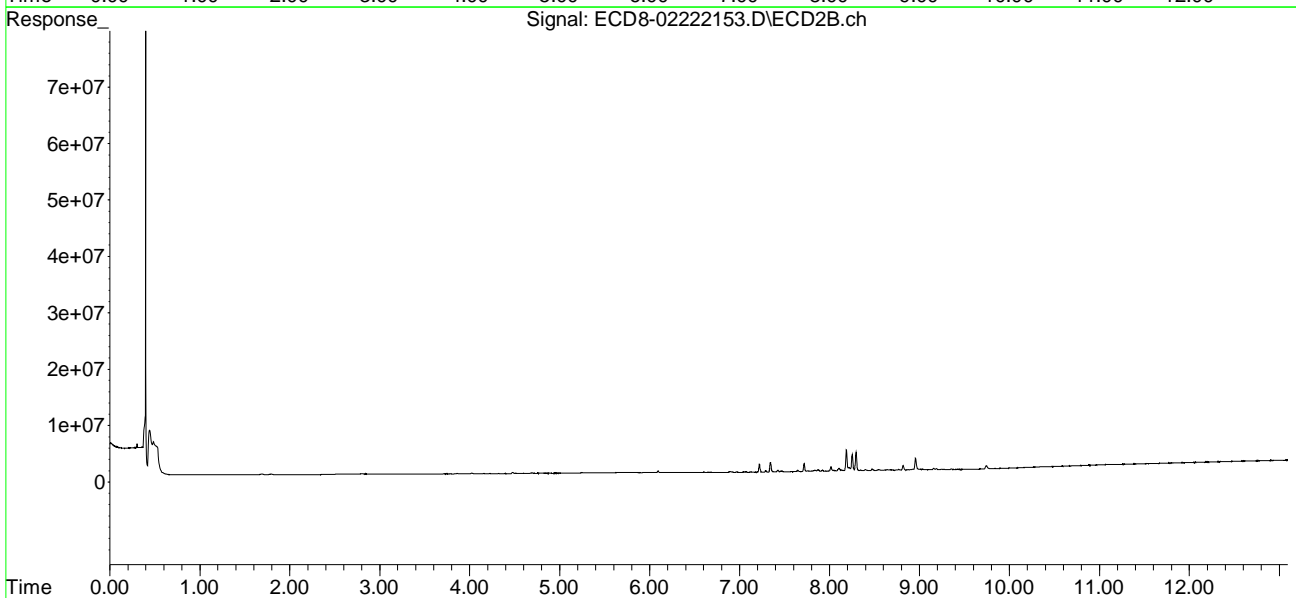
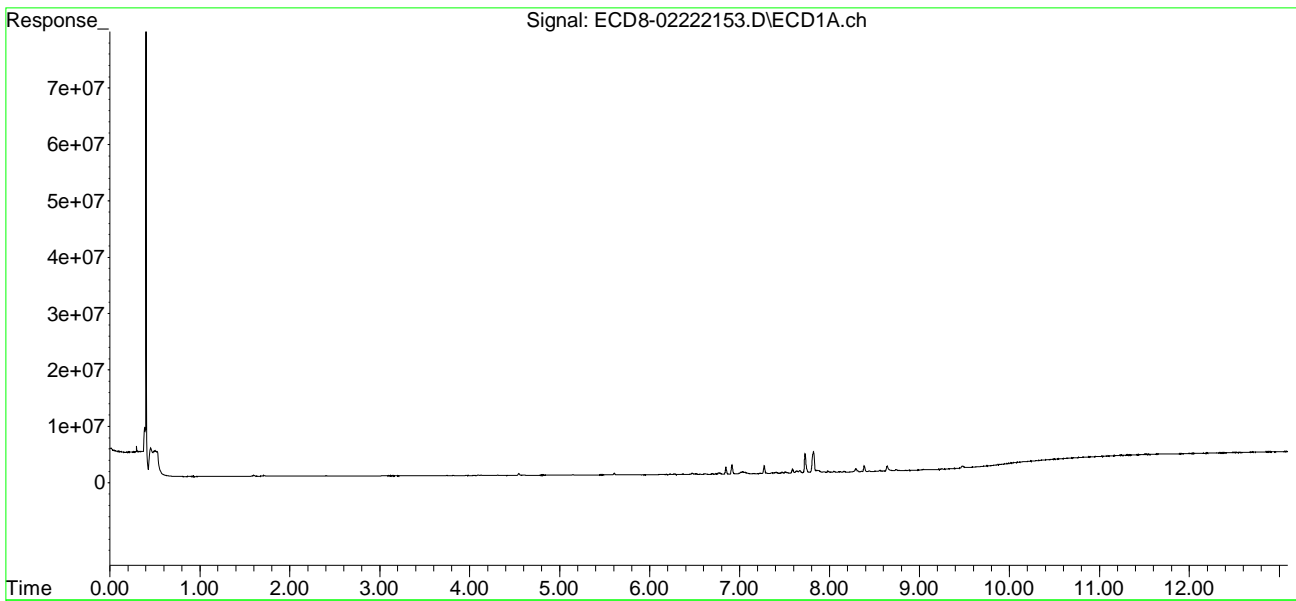
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.729	8.187	3436436	3757800	9.377	9.047
33)	Chlordane...	7.823	8.294	3740830	3289778	10.165	9.402
34)	Chlordane...	8.385	8.956	1049375	2092022	9.145	18.389 #
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222153.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 13:45  
Operator : MJB 1B25056-CAL4  
Sample : ~~1B22071-CALAA~~  
Misc : A21B446, CHLOR 10 ppb  
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:23:23 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222154.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 14:01  
 Operator : MJB 1B25056-CAL5  
 Sample : ~~1B22071-CALAB~~  
 Misc : A21B447, TOX 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:24:12 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
-----						
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6) d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8) Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9) trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10) cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12) 4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13) Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14) Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15) 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17) 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18) Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19) Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20) Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21) Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24) Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25) Oxychlorane	0.000	0.000	0	0	N.D. d	N.D. d
26) 2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27) trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28) 2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29) 2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
 Data File : ECD8-02222154.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Feb 2021 14:01  
 Operator : MJB 1B25056-CAL5  
 Sample : ~~1B22071-CALAB~~  
 Misc : A21B447, TOX 10 ppb  
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
 Integration File signal 2: PEST2.e  
 Quant Time: Feb 23 15:24:12 2021  
 Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
 Quant Title : Instrument: DualECD8  
 QLast Update : Tue Feb 23 09:55:44 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.823f	8.522	157540	355295	10.590	9.349
37)	Toxaphene...	8.107	8.876	331240	394935	10.056	8.377
38)	Toxaphene...	8.429	8.909	541688	638427	7.814	9.077
39)	Toxaphene...	8.667	8.974	682782	1223038	9.175	10.266
40)	Toxaphene...	8.904	9.156	400097	739186	6.740	10.730 #
41)	Toxaphene...	8.975	9.533	499987	571304	7.426	7.629
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\  
Data File : ECD8-02222154.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Feb 2021 14:01  
Operator : MJB 1B25056-CAL5  
Sample : ~~1B22071-CALAB~~  
Misc : A21B447, TOX 10 ppb  
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e  
Integration File signal 2: PEST2.e  
Quant Time: Feb 23 15:24:12 2021  
Quant Method : C:\msdchem\1\methods\ECD8\_QUANTPEST\_210222.M  
Quant Title : Instrument: DualECD8  
QLast Update : Tue Feb 23 09:55:44 2021  
Response via : Initial Calibration  
Integrator: ChemStation

