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

Level IV Data Package for

Anchor QEA, LLC

Gasco PreRD_DG 2019 – 4a-b. DOC-CAP Testing Cores

Apex Laboratories Work Order #:

A0C0715

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

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APEX LABORATORIES, LLC
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Analytical Case Narrative

APEX LABORATORIES, LLC
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Analytical Case Narrative

Client: Anchor QEA, LLC Date: 04/21/2020
Project: Gasco PreRD_DG 2019 – 4a-b. DOC-CAP Testing Cores
Apex Work Order Number: A0C0715

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

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

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

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

Estella Rieben,
Quality Systems Manager
Apex Laboratories, LLC

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

Analytical Report

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Thursday, April 16, 2020

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

RE: A0C0715 - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores - [none]

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A0C0715, which was received by the laboratory on 10/23/2019 at 9:58:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	2.6 degC

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

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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EPA ID: OR01039

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-034SC-D-06-08-191022	A0C0715-01	Sediment	10/22/19 08:36	10/23/19 09:58

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-034SC-D-06-08-191022 (A0C0715-01)				**Matrix: Sediment**		**Batch: 0030881**		**C-07**
Aroclor 1016	ND	0.743	1.48	ug/kg dry	1	03/26/20 09:03	EPA 8082A	
Aroclor 1221	ND	1.77	1.77	ug/kg dry	1	03/26/20 09:03	EPA 8082A	R-02
Aroclor 1232	ND	0.743	1.48	ug/kg dry	1	03/26/20 09:03	EPA 8082A	
Aroclor 1242	ND	0.743	1.48	ug/kg dry	1	03/26/20 09:03	EPA 8082A	
Aroclor 1248	ND	0.743	1.48	ug/kg dry	1	03/26/20 09:03	EPA 8082A	
Aroclor 1254	ND	0.743	1.48	ug/kg dry	1	03/26/20 09:03	EPA 8082A	
Aroclor 1260	ND	0.743	1.48	ug/kg dry	1	03/26/20 09:03	EPA 8082A	
Aroclor 1262	ND	0.743	1.48	ug/kg dry	1	03/26/20 09:03	EPA 8082A	
Aroclor 1268	ND	0.743	1.48	ug/kg dry	1	03/26/20 09:03	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 88 %*		*Limits: 43-120 %*	*1*	*03/26/20 09:03*	*EPA 8082A*	

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-034SC-D-06-08-191022 (A0C0715-01)				**Matrix: Sediment**		**Batch: 0030882**		**H-08**
2,4'-DDD	ND	0.564	1.13	ug/kg dry	1	03/27/20 13:34	EPA 8081B	
2,4'-DDE	ND	1.13	1.13	ug/kg dry	1	03/27/20 13:34	EPA 8081B	
2,4'-DDT	ND	0.564	1.13	ug/kg dry	1	03/27/20 13:34	EPA 8081B	
4,4'-DDD	ND	0.564	1.13	ug/kg dry	1	03/27/20 13:34	EPA 8081B	
4,4'-DDE	ND	0.564	1.13	ug/kg dry	1	03/27/20 13:34	EPA 8081B	
4,4'-DDT	ND	0.564	1.13	ug/kg dry	1	03/27/20 13:34	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 75 %*	*Limits: 42-129 %*	*1*	*03/27/20 13:34*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*100 %*	*55-130 %*	*1*	*03/27/20 13:34*	*EPA 8081B*	

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-034SC-D-06-08-191022 (A0C0715-01)				**Matrix: Sediment**				
Batch: 0030870								
Total Solids	**87.8**	1.00	1.00	% by Weight	1	03/26/20 16:17	SM 2540 G	

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0030881 - EPA 3546							**Sediment**					
Blank (0030881-BLK1)			Prepared: 03/25/20 08:22		Analyzed: 03/26/20 08:10							**C-07**
EPA 8082A												
Aroclor 1016	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1262	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1268	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 95 %*		*Limits: 43-120 %*			*Dilution: 1x*				
LCS (0030881-BS1)			Prepared: 03/25/20 08:22		Analyzed: 03/26/20 08:28							**C-07**
EPA 8082A												
Aroclor 1016	45.6	0.670	1.33	ug/kg wet	1	83.3	---	55	47-134%	---	---	
Aroclor 1260	62.3	0.670	1.33	ug/kg wet	1	83.3	---	75	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 87 %*		*Limits: 43-120 %*			*Dilution: 1x*				
LCS Dup (0030881-BSD1)			Prepared: 03/25/20 08:31		Analyzed: 03/26/20 08:46							**C-07, Q-19**
EPA 8082A												
Aroclor 1016	48.2	0.670	1.33	ug/kg wet	1	83.3	---	58	47-134%	6	30%	
Aroclor 1260	65.1	0.670	1.33	ug/kg wet	1	83.3	---	78	53-140%	4	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 88 %*		*Limits: 43-120 %*			*Dilution: 1x*				

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0030882 - EPA 3546							**Sediment**					
Blank (0030882-BLK1)			Prepared: 03/25/20 16:20 Analyzed: 03/27/20 13:01									
EPA 8081B												
2,4'-DDD	ND	0.455	0.909	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.455	0.909	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.455	0.909	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.455	0.909	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.455	0.909	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.455	0.909	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 74 %*	*Limits: 42-129 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*100 %*	*55-130 %*			*"*					
LCS (0030882-BS1)			Prepared: 03/25/20 16:20 Analyzed: 03/27/20 13:18									
EPA 8081B												
2,4'-DDD	47.5	0.500	1.00	ug/kg wet	1	50.0	---	95	50-150%	---	---	
2,4'-DDE	39.0	0.500	1.00	ug/kg wet	1	50.0	---	78	50-150%	---	---	
2,4'-DDT	46.0	0.500	1.00	ug/kg wet	1	50.0	---	92	50-150%	---	---	
4,4'-DDD	49.7	0.500	1.00	ug/kg wet	1	50.0	---	99	50-150%	---	---	
4,4'-DDE	44.0	0.500	1.00	ug/kg wet	1	50.0	---	88	50-150%	---	---	
4,4'-DDT	51.7	0.500	1.00	ug/kg wet	1	50.0	---	103	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 78 %*	*Limits: 42-129 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*98 %*	*55-130 %*			*"*					
Matrix Spike (0030882-MS1)			Prepared: 03/25/20 16:20 Analyzed: 03/27/20 13:51									**H-08**
QC Source Sample: PDI-034SC-D-06-08-191022 (A0C0715-01)												
EPA 8081B												
2,4'-DDD	76.0	0.562	1.12	ug/kg dry	1	56.2	ND	135	50-150%	---	---	
2,4'-DDE	64.5	1.12	1.12	ug/kg dry	1	56.2	ND	115	50-150%	---	---	
2,4'-DDT	71.8	0.562	1.12	ug/kg dry	1	56.2	ND	128	50-150%	---	---	
4,4'-DDD	73.8	0.562	1.12	ug/kg dry	1	56.2	ND	131	50-150%	---	---	
4,4'-DDE	68.9	0.562	1.12	ug/kg dry	1	56.2	ND	123	50-150%	---	---	
4,4'-DDT	72.9	0.562	1.12	ug/kg dry	1	56.2	ND	130	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 94 %*	*Limits: 42-129 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*122 %*	*55-130 %*			*"*					

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Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0030882 - EPA 3546							**Sediment**					
Matrix Spike Dup (0030882-MSD1)			Prepared: 03/25/20 16:20		Analyzed: 03/27/20 14:07							**H-08**
QC Source Sample: PDI-034SC-D-06-08-191022 (A0C0715-01)												
EPA 8081B												
2,4'-DDD	61.4	0.564	1.13	ug/kg dry	1	56.4	ND	109	50-150%	21	30%	
2,4'-DDE	51.4	1.13	1.13	ug/kg dry	1	56.4	ND	91	50-150%	22	30%	
2,4'-DDT	56.2	0.564	1.13	ug/kg dry	1	56.4	ND	100	50-150%	24	30%	
4,4'-DDD	61.5	0.564	1.13	ug/kg dry	1	56.4	ND	109	50-150%	18	30%	
4,4'-DDE	56.1	0.564	1.13	ug/kg dry	1	56.4	ND	99	50-150%	20	30%	
4,4'-DDT	62.9	0.564	1.13	ug/kg dry	1	56.4	ND	111	50-150%	15	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 76 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*99 %*		*55-130 %*			*"*				

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0030870 - Total Solids (SM2540G/PSEP)							**Sediment**					
Duplicate (0030870-DUP1)			Prepared: 03/24/20 17:39		Analyzed: 03/26/20 16:17							
QC Source Sample: PDI-034SC-D-06-08-191022 (A0C0715-01)												
SM 2540 G												
Total Solids	**87.4**	1.00	1.00	% by Weight	1	---	87.8	---	---	0.5	10%	

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SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0030881							
A0C0715-01	Sediment	EPA 8082A	10/22/19 08:36	03/25/20 08:22	30.8g/2mL	30g/2mL	0.97

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0030882							
A0C0715-01	Sediment	EPA 8081B	10/22/19 08:36	03/25/20 16:20	10.1g/5mL	10g/5mL	0.99

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0030870							
A0C0715-01	Sediment	SM 2540 G	10/22/19 08:36	03/24/20 17:39			NA

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QUALIFIER DEFINITIONS

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

Apex Laboratories

C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
H-08	Sample hold time extended by freezing at -18 degrees C. Total time at 4 degrees C was less than the standard hold time.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

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

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

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

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

Apex Laboratories

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.

Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

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503-718-2323
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Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

Apex Laboratories

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Apex Laboratories, LLC

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503-718-2323
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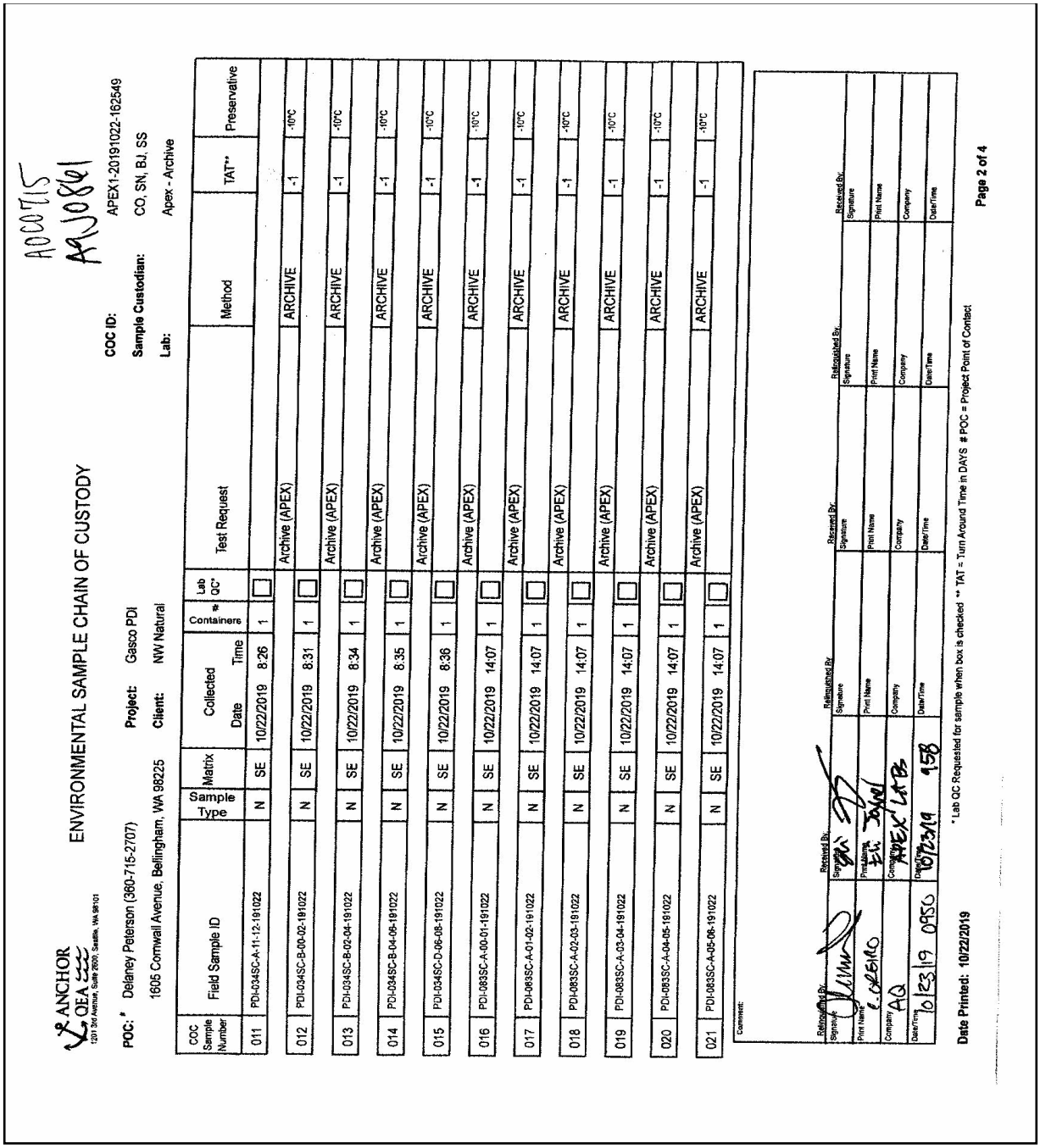
Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**



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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0C0715
AR30801

COC ID: APEX1-20191022-162549

POC: * Delaney Peterson (360-715-2707) Project: Gasco PDI Sample Custodian: CO, SN, BJ, SS
1605 Cornwall Avenue, Bellingham, WA 98225 Client: NW Natural Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
011	PDI-034SC-A-11-12-191022	N	SE	10/22/2019	8:26	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-034SC-B-00-02-191022	N	SE	10/22/2019	8:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-034SC-B-02-04-191022	N	SE	10/22/2019	8:34	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-034SC-B-04-06-191022	N	SE	10/22/2019	8:35	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
015	PDI-034SC-D-06-08-191022	N	SE	10/22/2019	8:36	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
016	PDI-083SC-A-00-01-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
017	PDI-083SC-A-01-02-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
018	PDI-083SC-A-02-03-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-083SC-A-03-04-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-083SC-A-04-05-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-083SC-A-05-06-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By: Signature / Print Name: E. DeSilva / Company: AQ / Date/Time: 10/23/19 0950
Received By: Signature / Print Name: [illegible] / Company: APEX Lab B3 / Date/Time: 10/23/19 1158
Relinquished By: Signature / Print Name / Company / Date/Time
Received By: Signature / Print Name / Company / Date/Time
Relinquished By: Signature / Print Name / Company / Date/Time
Received By: Signature / Print Name / Company / Date/Time

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

Date Printed: 10/22/2019

Page 2 of 4

Apex Laboratories

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Anchor QEA, LLC	Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Ryan Barth**	**A0C0715 - 04 16 20 1327**

APEX LABS COOLER RECEIPT FORM

A0C0715

Client: Anchor QEA Element WO#: A9 J0861

Project/Project #: Gasco PDI Annual

Delivery Info:

Date/time received: 10/23/19 @ 958 By: EJ

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

Cooler Inspection Date/time inspected: 10/23/19 @ 1044 By: EJ

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

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.6						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition:	Good						

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

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

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

Samples Inspection: Date/time inspected: 10/23/19 @ 1720 By: AM

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No ___ NA X

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

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

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

Comments: ___

Additional information: ___

Labeled by: AM Witness: CH Cooler Inspected by: AM See Project Contact Form: Y

Apex Laboratories

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Darwin Thomas, Business Development Director

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

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

A0C0715

Apex Laboratories

Client: Anchor QEA, LLC
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Project Manager: Darwin Thomas
Project Number: [none]

Report To:
Anchor QEA, LLC
Ryan Barth
6720 SW Macadam Ave. Suite 125
Portland, OR 97219
Phone: (503) 670-1108
Fax: na

Invoice To:
Anchor QEA, LLC Seattle
Accounts Payable
1201 3rd Avenue, Suite 2600
Seattle, WA 98101
Phone :(206) 287-9130
Fax: (206) 287-9131

Date Due: 04/02/20 17:00 (111 day TAT)
Received By: Eli S. Joyner
Date Received: 10/23/19 09:58
Logged In By: Susan L. Treat
Date Logged In: 03/19/20 17:38

Cooler #1 received at 2.6°C

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

Analysis	Due	TAT	Expires	Comments
A0C0715-01 PDI-034SC-D-06-08-191022 [Sediment] Sampled 10/22/19 08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				**A9J0861-15**
Dry Weight				
Dry Weight	04/02/20 17:00	3	04/19/20 08:36	Use Results from TS.. Make NR once completed.
Project Mgmt				
Data Package	04/16/20 17:00	20	01/29/20 08:36	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	04/02/20 17:00	10	11/05/19 08:36	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	04/02/20 17:00	10	10/21/20 08:36	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	04/02/20 17:00	10	04/19/20 08:36	Use Results for Dry Weight (Not for Waters)

Reviewed By

Date

AOC0715
AQJ0861

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191022-162549
Sample Custodian: CO, SN, BJ, SS
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
011	PDI-034SC-A-11-12-191022	N	SE	10/22/2019	8:26	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-034SC-B-00-02-191022	N	SE	10/22/2019	8:31	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-034SC-B-02-04-191022	N	SE	10/22/2019	8:34	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-034SC-B-04-06-191022	N	SE	10/22/2019	8:35	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
015	PDI-034SC-D-06-08-191022	N	SE	10/22/2019	8:36	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
016	PDI-083SC-A-00-01-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
017	PDI-083SC-A-01-02-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
018	PDI-083SC-A-02-03-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-083SC-A-03-04-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-083SC-A-04-05-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-083SC-A-05-06-191022	N	SE	10/22/2019	14:07	1	☐	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name: E. GREIRO	Print Name: Eli Joyner	Print Name	Print Name	Print Name	Print Name
Company: AQ	Company: APEX LABS	Company	Company	Company	Company
Date/Time: 10/23/19 0950	Date/Time: 10/23/19 958	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 10/22/2019

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

APEX LABS COOLER RECEIPT FORM

AOC0715

Client: Anchor QEA Element WO#: A9 J0861

Project/Project #: Gasco PDI Archive

Delivery Info:

Date/time received: 10/23/19 @ 958 By: EJ

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

Cooler Inspection Date/time inspected: 10/23/19 @ 1044 By: EJ

Chain of Custody included? Yes X No ___ Custody seals? Yes X No \

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.6						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition:	Good						

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

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

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

Samples Inspection: Date/time inspected: 10/23/19 @ 1720 By: CM

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No ___ NA X

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

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments ___

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

Comments: ___

Additional information: ___

Labeled by: CM Witness: C-H Cooler Inspected by: CM See Project Contact Form: Y

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

CLP-Like Forms

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8082A

ANALYSES DATA PACKAGE COVER PAGE

EPA 8082A

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC

SDG: Gasco PreRD_DG 2019
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
PDI-034SC-D-06-08-191022	A0C0715-01	Sediment

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

Signature: 
Name: David G. Jack

Forms Created: 4/20/2020 12:12PM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

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

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

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Aroclor 1016	0.670	1.33	ug/kg
Aroclor 1221	0.670	1.33	ug/kg
Aroclor 1232	0.670	1.33	ug/kg
Aroclor 1242	0.670	1.33	ug/kg
Aroclor 1248	0.670	1.33	ug/kg
Aroclor 1254	0.670	1.33	ug/kg
Aroclor 1260	0.670	1.33	ug/kg
Aroclor 1262	0.670	1.33	ug/kg
Aroclor 1268	0.670	1.33	ug/kg

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

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-034SC-D-06-08-191022

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment	Laboratory ID:	A0C0715-01	File ID:	ECD2F007.D
Sampled:	10/22/19 08:36	Prepared:	03/25/20 08:22	Analyzed:	03/26/20 09:03
Solids:	87.80	Preparation:	EPA 3546	Initial/Final:	30.8 g / 2 mL
Batch:	0030881	Sequence:	0C26025	Calibration:	A0B1902
Instrument:	DUALECD2F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.743	U
11104-28-2	Aroclor 1221	1	1.77	U
11141-16-5	Aroclor 1232	1	0.743	U
53469-21-9	Aroclor 1242	1	0.743	U
12672-29-6	Aroclor 1248	1	0.743	U
11097-69-1	Aroclor 1254	1	0.743	U
11096-82-5	Aroclor 1260	1	0.743	U
37324-23-5	Aroclor 1262	1	0.743	U
11100-14-4	Aroclor 1268	1	0.743	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	18.5	16.3	88	43 - 120	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0030881 Batch Matrix: Sediment Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0030881-BLK1	ECD2F004.D	03/25/20 08:22	
LCS	0030881-BS1	ECD2F005.D	03/25/20 08:22	
LCS Dup	0030881-BSD1	ECD2F006.D	03/25/20 08:31	
PDI-034SC-D-06-08-191022	A0C0715-01	ECD2F007.D	03/25/20 08:22	

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

METHOD BLANK DATA SHEET

EPA 8082A

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Matrix:	Sediment	Laboratory ID:	0030881-BLK1	File ID:	ECD2F004.D
Prepared:	03/25/20 08:22	Preparation:	EPA 3546	Initial/Final:	31 g / 2 mL
Analyzed:	03/26/20 08:10	Instrument:	DUALECD2F		
Batch:	0030881	Sequence:	0C26025	Calibration:	A0B1902

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
12674-11-2	Aroclor 1016	0.648	U
11104-28-2	Aroclor 1221	0.648	U
11141-16-5	Aroclor 1232	0.648	U
53469-21-9	Aroclor 1242	0.648	U
12672-29-6	Aroclor 1248	0.648	U
11097-69-1	Aroclor 1254	0.648	U
11096-82-5	Aroclor 1260	0.648	U
37324-23-5	Aroclor 1262	0.648	U
11100-14-4	Aroclor 1268	0.648	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	16.1	15.3	95	43 - 120	

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment		
Batch:	0030881	Laboratory ID:	0030881-BS1
Preparation:	EPA 3546	Initial/Final:	30 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	83.3	45.6	55	47 - 134
Aroclor 1260	83.3	62.3	75	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment		
Batch:	0030881	Laboratory ID:	0030881-BSD1
Preparation:	EPA 3546	Initial/Final:	30 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS
Aroclor 1016	83.3	48.2	58	6	30	47 - 134
Aroclor 1260	83.3	65.1	78	4	30	53 - 140

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0B18016	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0B1902

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0B18016-ICB1	ECD2F007.D	02/18/20 09:21
Cal Standard	0B18016-CAL1	ECD2F008.D	02/18/20 09:47
Cal Standard	0B18016-CAL2	ECD2F009.D	02/18/20 10:04
Cal Standard	0B18016-CAL3	ECD2F010.D	02/18/20 10:22
Cal Standard	0B18016-CAL4	ECD2F011.D	02/18/20 10:40
Cal Standard	0B18016-CAL5	ECD2F012.D	02/18/20 10:57
Cal Standard	0B18016-CAL6	ECD2F013.D	02/18/20 11:15
Cal Standard	0B18016-CAL7	ECD2F014.D	02/18/20 11:32
Initial Cal Check	0B18016-ICV1	ECD2F016.D	02/18/20 12:08
Cal Standard	0B18016-CAL8	ECD2F017.D	02/18/20 12:25
Cal Standard	0B18016-CAL9	ECD2F018.D	02/18/20 12:43
Cal Standard	0B18016-CALA	ECD2F019.D	02/18/20 13:00
Cal Standard	0B18016-CALB	ECD2F020.D	02/18/20 13:18
Cal Standard	0B18016-CALC	ECD2F021.D	02/18/20 13:36
Cal Standard	0B18016-CALD	ECD2F022.D	02/18/20 13:53
Cal Standard	0B18016-CALE	ECD2F023.D	02/18/20 14:11
Initial Cal Check	0B18016-ICV2	ECD2F024.D	02/18/20 14:29
Initial Cal Check	0B18016-ICV3	ECD2F025.D	02/18/20 14:46
Initial Cal Check	0B18016-ICV4	ECD2F026.D	02/18/20 15:04
Initial Cal Check	0B18016-ICV5	ECD2F027.D	02/18/20 15:21

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0C26025	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0B1902

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0C26025-CCV1	ECD2F002.D	03/26/20 07:35
Calibration Blank	0C26025-CCB1	ECD2F003.D	03/26/20 07:53
Blank	0030881-BLK1	ECD2F004.D	03/26/20 08:10
LCS	0030881-BS1	ECD2F005.D	03/26/20 08:28
LCS Dup	0030881-BSD1	ECD2F006.D	03/26/20 08:46
PDI-034SC-D-06-08-191022	A0C0715-01	ECD2F007.D	03/26/20 09:03
Calibration Check	0C26025-CCV2	ECD2F009.D	03/26/20 09:39
Calibration Blank	0C26025-CCB2	ECD2F010.D	03/26/20 09:56

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

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco_PreRD_DG 2019

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

Calibration: A0B1902 Date: 02/19/20 15:43 Instrument: DUALECD2F

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	135840	Ave	2.695045	9.528143	0.0252844			20	

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Calibration: A0B1902

SDG: Gasco_PreRD_DG 2019
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Instrument: DUALECD2F
Calibration Date: 02/19/20 15:43

	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
Compound	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1232 (1)											500	2365.858
1232 (2)											500	3587.288
1232 (3)											500	1968.208
1232 (4)											500	1519.344
1232 (5)											500	1930.388
1232 (6)											500	1574.962
Aroclor 1232											500	0
1268 (1)	500	6426.198										
1268 (2)	500	29682.62										
1268 (3)	500	24978.24										
1268 (4)	500	23062.92										
1268 (5)	500	9210.042										
1268 (6)	500	64860.54										
Aroclor 1268	500	0										
Decachlorobiphenyl (Surr)	200	0	200	0	200	0	200	0	200	0	200	0

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration:	A0B1902	Instrument:	DUALECD2F
Matrix:		Calibration Date:	02/19/20 15:43

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)			1500	4018.075	1000	4174.752	500	4285.75	200	4404.455	100	4485.08
1016 (2)			1500	8554.88	1000	8442.266	500	8488.43	200	8512.72	100	8745.1
1016 (3)			1500	4422.315	1000	4576.954	500	4573.756	200	4661.27	100	4617.65
1016 (4)			1500	3962.802	1000	3930.132	500	4075.976	200	4174.15	100	4614.93
1016 (5)			1500	4725.073	1000	4405.368	500	4730.844	200	5040.315	100	5065.92
1016 (6)			1500	3364.844	1000	3181.732	500	3526.794	200	3629.52	100	3702.35
Aroclor 1016			1500	0	1000	0	500	0	200	0	100	0
1221 (1)	500	1363.314										
1221 (2)	500	921.216										
1221 (3)	500	2837.11										
Aroclor 1221	500	0										
1260 (1)			1500	9498.634	1000	9172.675	500	9594.234	200	10265.79	100	10317
1260 (2)			1500	12273.97	1000	11766.08	500	11919.62	200	12798.38	100	12085.68
1260 (3)			1500	8821.366	1000	8969.606	500	9279.888	200	8977.575	100	9674.18
1260 (4)			1500	22190.41	1000	21418.04	500	22697.26	200	22454.01	100	21697.81
1260 (5)			1500	14858.92	1000	14311.65	500	14754	200	15330.34	100	15044.17
1260 (6)			1500	6027.334	1000	5645.108	500	5916.79	200	6034.095	100	6109.9
Aroclor 1260			1500	0	1000	0	500	0	200	0	100	0
Decachlorobiphenyl (Surr)	200	0	800	141025.5	500	136484	250	129321.2	100	136526.7	50	136754.5

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration:	A0B1902	Instrument:	DUALECD2F
Matrix:		Calibration Date:	02/19/20 15:43

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
1016 (1)	50	5164.96	20	5721.15								
1016 (2)	50	9100.16	20	9758.1								
1016 (3)	50	5168.66	20	5486.6								
1016 (4)	50	4832.64	20	5435								
1016 (5)	50	5608.28	20	6225.55								
1016 (6)	50	3942.66	20	4528.8								
Aroclor 1016	50	~~0~~	20	~~0~~								
1260 (1)	50	10667.86	20	11687.75								
1260 (2)	50	13177.74	20	14473.75								
1260 (3)	50	9872.66	20	10926.05								
1260 (4)	50	23236.68	20	23776.8								
1260 (5)	50	15740.06	20	16350.25								
1260 (6)	50	6206.96	20	7031.95								
Aroclor 1260	50	~~0~~	20	~~0~~								
Decachlorobiphenyl (Surr)	25	133275.3	10	137492.5								

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0B1902
Lab File ID:	ECD2F016.D		
Sequence:	0B18016	Inject Date:	02/18/20
Lab Sample ID:	0B18016-ICV1	Inject Time:	12:08

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	478	-4.5	70 - 130
Aroclor 1260	500	474	-5.3	70 - 130
Decachlorobiphenyl (Surr)	200	190	-4.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0B1902
Lab File ID:	ECD2F024.D		
Sequence:	0B18016	Inject Date:	02/18/20
Lab Sample ID:	0B18016-ICV2	Inject Time:	14:29

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	1000	0.2	70 - 130
Aroclor 1254	500	455	-9.0	70 - 130
Decachlorobiphenyl (Surr)	80.0	89.0	11.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP T
Instrument ID:	DUALECD2F	Calibration:	A0B1902
Lab File ID:	ECD2F025.D		
Sequence:	0B18016	Inject Date:	02/18/20
Lab Sample ID:	0B18016-ICV3	Inject Time:	14:46

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	547	9.4	70 - 130
Aroclor 1262	500	489	-2.3	70 - 130
Decachlorobiphenyl (Surr)	80.0	88.5	10.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0B1902
Lab File ID:	ECD2F026.D		
Sequence:	0B18016	Inject Date:	02/18/20
Lab Sample ID:	0B18016-ICV4	Inject Time:	15:04

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	527	5.4	70 - 130
Aroclor 1268	500	529	5.7	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD2F	Calibration:	A0B1902
Lab File ID:	ECD2F027.D		
Sequence:	0B18016	Inject Date:	02/18/20
Lab Sample ID:	0B18016-ICV5	Inject Time:	15:21

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	501	0.2	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD2F	Calibration:	A0B1902
Lab File ID:	ECD2F002.D	Calibration Date:	02/19/20 15:43
Sequence:	0C26025	Injection Date:	03/26/20
Lab Sample ID:	0C26025-CCV1	Injection Time:	07:35

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	471				-5.9	20
Aroclor 1260	Ave	500	511				2.3	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD2F	Calibration:	A0B1902
Lab File ID:	ECD2F009.D	Calibration Date:	02/19/20 15:43
Sequence:	0C26025	Injection Date:	03/26/20
Lab Sample ID:	0C26025-CCV2	Injection Time:	09:39

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	469				-6.2	20
Aroclor 1260	Ave	500	519				3.9	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0B18016	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0B1902

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0B18016-ICV1)			Lab File ID: ECD2F016.D		Analyzed: 02/18/20 12:08			
Decachlorobiphenyl (Surr)	200	95	70 - 130	9.527	9.528143	-0.0011	+/-1.0	
Initial Cal Check (0B18016-ICV2)			Lab File ID: ECD2F024.D		Analyzed: 02/18/20 14:29			
Decachlorobiphenyl (Surr)	80.0	111	70 - 130	9.527	9.528143	-0.0011	+/-1.0	
Initial Cal Check (0B18016-ICV3)			Lab File ID: ECD2F025.D		Analyzed: 02/18/20 14:46			
Decachlorobiphenyl (Surr)	80.0	111	70 - 130	9.527	9.528143	-0.0011	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0C26025	Instrument:	DUALECD2F
Matrix:	Sediment	Calibration:	A0B1902

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0C26025-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 03/26/20 07:35			
Decachlorobiphenyl (Surr)	250	105	80 - 120	9.526	9.528143	-0.0021	+/-1.0	
Calibration Blank (0C26025-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 03/26/20 07:53			
Decachlorobiphenyl (Surr)	100	106	43 - 120	9.525	9.528143	-0.0031	+/-1.0	
Blank (0030881-BLK1)			Lab File ID: ECD2F004.D		Analyzed: 03/26/20 08:10			
Decachlorobiphenyl (Surr)	16.1	95	43 - 120	9.524	9.528143	-0.0041	+/-1.0	
LCS (0030881-BS1)			Lab File ID: ECD2F005.D		Analyzed: 03/26/20 08:28			
Decachlorobiphenyl (Surr)	16.7	87	43 - 120	9.523	9.528143	-0.0051	+/-1.0	
LCS Dup (0030881-BSD1)			Lab File ID: ECD2F006.D		Analyzed: 03/26/20 08:46			
Decachlorobiphenyl (Surr)	16.7	88	43 - 120	9.524	9.528143	-0.0041	+/-1.0	
PDI-034SC-D-06-08-191022 (A0C0715-01)			Lab File ID: ECD2F007.D		Analyzed: 03/26/20 09:03			
Decachlorobiphenyl (Surr)	18.5	88	43 - 120	9.523	9.528143	-0.0051	+/-1.0	
Calibration Check (0C26025-CCV2)			Lab File ID: ECD2F009.D		Analyzed: 03/26/20 09:39			
Decachlorobiphenyl (Surr)	250	114	80 - 120	9.523	9.528143	-0.0051	+/-1.0	
Calibration Blank (0C26025-CCB2)			Lab File ID: ECD2F010.D		Analyzed: 03/26/20 09:56			
Decachlorobiphenyl (Surr)	100	110	43 - 120	9.523	9.528143	-0.0051	+/-1.0	

HOLDING TIME SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco_PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-034SC-D-06-08-191022	10/22/19 08:36	10/23/19 09:58	03/25/20 08:22	154.99	365.00	03/26/20 09:03	1.03	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC

SDG: Gasco PreRD_DG 2019
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
PDI-034SC-D-06-08-191022	A0C0715-01	Sediment

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

Signature: 
Name: David G. Jack

Forms Created: 4/20/2020 12:12PM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco_PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

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

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

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-034SC-D-06-08-191022

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment	Laboratory ID:	A0C0715-01	File ID:	ECD8-03272009.D
Sampled:	10/22/19 08:36	Prepared:	03/25/20 16:20	Analyzed:	03/27/20 13:34
Solids:	87.80	Preparation:	EPA 3546	Initial/Final:	10.1 g / 5 mL
Batch:	0030882	Sequence:	0C27035	Calibration:	A0C1704
Instrument:	DUALECD8				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	0.564	U
3424-82-6	2,4'-DDE	1	1.13	U
789-02-6	2,4'-DDT	1	0.564	U
72-54-8	4,4'-DDD [2C]	1	0.564	U
72-55-9	4,4'-DDE	1	0.564	U
50-29-3	4,4'-DDT [2C]	1	0.564	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	56.4	42.3	75	42 - 129	
Decachlorobiphenyl (Surr) [2C]	56.4	56.7	100	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0030882
Batch Matrix: Sediment
Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0030882-BLK1	ECD8-03272007.D	03/25/20 16:20	
LCS	0030882-BS1	ECD8-03272008.D	03/25/20 16:20	
PDI-034SC-D-06-08-191022 (MS)	0030882-MS1	ECD8-03272010.D	03/25/20 16:20	
PDI-034SC-D-06-08-191022 (MSD)	0030882-MSD1	ECD8-03272011.D	03/25/20 16:20	
PDI-034SC-D-06-08-191022	A0C0715-01	ECD8-03272009.D	03/25/20 16:20	

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

METHOD BLANK DATA SHEET

EPA 8081B

Laboratory:	Apex Laboratories			SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC			Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Matrix:	Sediment	Laboratory ID:	0030882-BLK1	File ID:	ECD8-03272007.D
Prepared:	03/25/20 16:20	Preparation:	EPA 3546	Initial/Final:	11 g / 5 mL
Analyzed:	03/27/20 13:01	Instrument:	DUALECD8		
Batch:	0030882	Sequence:	0C27035	Calibration:	A0C1704

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
53-19-0	2,4'-DDD [2C]	0.455	U
3424-82-6	2,4'-DDE [2C]	0.455	U
789-02-6	2,4'-DDT [2C]	0.455	U
72-54-8	4,4'-DDD [2C]	0.455	U
72-55-9	4,4'-DDE [2C]	0.455	U
50-29-3	4,4'-DDT [2C]	0.455	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	45.5	33.5	74	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	45.5	100	55 - 130	

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment		
Batch:	0030882	Laboratory ID:	0030882-BS1
Preparation:	EPA 3546	Initial/Final:	10 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	50.0	47.5	95	50 - 150
2,4'-DDE [2C]	50.0	39.0	78	50 - 150
2,4'-DDT [2C]	50.0	46.0	92	50 - 150
4,4'-DDD [2C]	50.0	49.7	99	50 - 150
4,4'-DDE [2C]	50.0	44.0	88	50 - 150
4,4'-DDT [2C]	50.0	51.7	103	50 - 150

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

PDI-034SC-D-06-08-191022

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment		
Batch:	0030882	Laboratory ID:	0030882-MS1
Preparation:	EPA 3546	Initial/Final:	10.14 g / 5 mL

Source Sample Name: PDI-034SC-D-06-08-191022

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD	56.2	ND	76.0	135	50 - 150
2,4'-DDE	56.2	ND	64.5	115	50 - 150
2,4'-DDT	56.2	ND	71.8	128	50 - 150
4,4'-DDD [2C]	56.2	ND	73.8	131	50 - 150
4,4'-DDE	56.2	ND	68.9	123	50 - 150
4,4'-DDT [2C]	56.2	ND	72.9	130	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

PDI-034SC-D-06-08-191022

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co
Matrix:	Sediment		
Batch:	0030882	Laboratory ID:	0030882-MSD1
Preparation:	EPA 3546	Initial/Final:	10.09 g / 5 mL

Source Sample Name: PDI-034SC-D-06-08-191022

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
2,4'-DDD	56.4	61.4	109	21	30	50 - 150
2,4'-DDE	56.4	51.4	91	22	30	50 - 150
2,4'-DDT	56.4	56.2	100	24	30	50 - 150
4,4'-DDD [2C]	56.4	61.5	109	18	30	50 - 150
4,4'-DDE	56.4	56.1	99	20	30	50 - 150
4,4'-DDT [2C]	56.4	62.9	111	15	30	50 - 150

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0C16047	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0C1704

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0C16047-ICB1	ECD8-03162005.D	03/16/20 13:02
Cal Standard	0C16047-CAL1	ECD8-03162006.D	03/16/20 13:26
Cal Standard	0C16047-CAL2	ECD8-03162007.D	03/16/20 13:43
Cal Standard	0C16047-CAL3	ECD8-03162008.D	03/16/20 13:59
Cal Standard	0C16047-CAL4	ECD8-03162009.D	03/16/20 14:16
Cal Standard	0C16047-CAL5	ECD8-03162010.D	03/16/20 14:32
Cal Standard	0C16047-CAL6	ECD8-03162011.D	03/16/20 14:49
Cal Standard	0C16047-CAL7	ECD8-03162012.D	03/16/20 15:06
Cal Standard	0C16047-CAL8	ECD8-03162013.D	03/16/20 15:22
Cal Standard	0C16047-CAL9	ECD8-03162014.D	03/16/20 15:39
Initial Cal Check	0C16047-ICV1	ECD8-03162016.D	03/16/20 16:12
Cal Standard	0C16047-CALA	ECD8-03162017.D	03/16/20 16:28
Cal Standard	0C16047-CALB	ECD8-03162018.D	03/16/20 16:45
Cal Standard	0C16047-CALC	ECD8-03162019.D	03/16/20 17:01
Cal Standard	0C16047-CALD	ECD8-03162020.D	03/16/20 17:18
Cal Standard	0C16047-CALE	ECD8-03162021.D	03/16/20 17:34
Cal Standard	0C16047-CALF	ECD8-03162022.D	03/16/20 17:51
Cal Standard	0C16047-CALG	ECD8-03162023.D	03/16/20 18:07
Cal Standard	0C16047-CALH	ECD8-03162024.D	03/16/20 18:24
Cal Standard	0C16047-CALI	ECD8-03162025.D	03/16/20 18:40
Initial Cal Check	0C16047-ICV2	ECD8-03162027.D	03/16/20 19:13

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0C27035	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0C1704

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0C27035-CCV1	ECD8-03272004.D	03/27/20 12:12
Calibration Check	0C27035-CCV2	ECD8-03272005.D	03/27/20 12:28
Calibration Blank	0C27035-CCB1	ECD8-03272006.D	03/27/20 12:45
Blank	0030882-BLK1	ECD8-03272007.D	03/27/20 13:01
LCS	0030882-BS1	ECD8-03272008.D	03/27/20 13:18
PDI-034SC-D-06-08-191022	A0C0715-01	ECD8-03272009.D	03/27/20 13:34
PDI-034SC-D-06-08-191022 (MS)	0030882-MS1	ECD8-03272010.D	03/27/20 13:51
PDI-034SC-D-06-08-191022 (MSD)	0030882-MSD1	ECD8-03272011.D	03/27/20 14:07
Calibration Check	0C27035-CCV3	ECD8-03272012.D	03/27/20 14:24
Calibration Check	0C27035-CCV4	ECD8-03272013.D	03/27/20 14:40
Calibration Blank	0C27035-CCB2	ECD8-03272014.D	03/27/20 14:57

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

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing
Calibration: A0C1704
Date: 03/17/20 14:39
Instrument: DUALECD8

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD	1538022	Ave	9.490775	7.901667	3.374082E-02			20	
2,4'-DDE	1848818	Ave	7.986315	7.525889	2.916353E-02			20	
2,4'-DDT	1891375	Ave	8.332644	8.084111	1.851319E-02			20	
4,4'-DDD [2C]	2368069	XXX	12.80855	8.801556	1.742232E-02				
4,4'-DDE	2686496	Ave	9.341832	7.779	3.163146E-02			20	
4,4'-DDT [2C]	2300591	XXX	15.87133	9.028778	1.349311E-02				
2,4,5,6-TCMX (Surr) [2C]	3683200	Ave	7.660478	6.024222	5.752867E-03			20	
Decachlorobiphenyl (Surr) [2C]	2200100	XXX	16.49346	10.60667	1.165024E-02				

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Calibration: A0C1704

SDG: Gasco_PreRD_DG 2019

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

Instrument: DUALECD8

Calibration Date: 03/17/20 14:39

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	2340582	1	2111209	2	1860523	5	1913826	10	2021142	25	1832813
4,4'-DDD [2C]	0.5	2395270	1	2263226	2	2036899	5	2096260	10	2243090	25	2191810
4,4'-DDE	0.5	2964924	1	2573098	2	2401185	5	2464828	10	2565844	25	2460279
4,4'-DDE [2C]	0.5	3162568	1	3019785	2	2802147	5	2875010	10	3110006	25	3057661
4,4'-DDT	0.5	2366030	1	2013965	2	1834852	5	1950157	10	2056738	25	1799190
4,4'-DDT [2C]	0.5	2472522	1	2173999	2	1956999	5	1996546	10	2150504	25	1903758
2,4,5,6-TCMX (Surr)	0.5	3612088	1	3372941	2	3081716	5	3121574	10	3200143	25	2853913
2,4,5,6-TCMX (Surr) [2C]	0.5	4192886	1	3681316	2	3428987	5	3486946	10	3506814	25	3345448
Decachlorobiphenyl (Surr)	0.5	3491424	1	2969499	2	2585546	5	2328742	10	2349599	25	1996806
Decachlorobiphenyl (Surr) [2C]	0.5	2970346	1	2614363	2	2157051	5	1974557	10	1996990	25	1847703

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration: A0C1704
Instrument: DUALECD8
Matrix:
Calibration Date: 03/17/20 14:39

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD							0.5	1675648	1	1556511	2	1529548
2,4'-DDD [2C]							0.5	2090378	1	1890535	2	1890291
2,4'-DDE							0.5	1913344	1	1839998	2	1787915
2,4'-DDE [2C]							0.5	2317870	1	2298754	2	2204311
2,4'-DDT							0.5	1998352	1	1876602	2	1858550
2,4'-DDT [2C]							0.5	2201242	1	2002502	2	2025134
4,4'-DDD	50	2039832	100	2165687	200	2377557						
4,4'-DDD [2C]	50	2487354	100	2567210	200	3031501						
4,4'-DDE	50	2751064	100	2903199	200	3094047						
4,4'-DDE [2C]	50	3451730	100	3687990	200	4007754						
4,4'-DDT	50	2185630	100	2306451	200	2547389						
4,4'-DDT [2C]	50	2435092	100	2587057	200	3028838						
2,4,5,6-TCMX (Surr)	50	3056536	100	2988685	200	3157255						
2,4,5,6-TCMX (Surr) [2C]	50	3680640	100	3805075	200	4020691						
Decachlorobiphenyl (Surr)	50	2123294	100	2101396	200	2260433						
Decachlorobiphenyl (Surr) [2C]	50	1998589	100	2028107	200	2213196						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Te
Calibration: A0C1704
Instrument: DUALECD8
Matrix:
Calibration Date: 03/17/20 14:39

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD	5	1408508	10	1395092	25	1404764	50	1434678	100	1618329	200	1819117
2,4'-DDD [2C]	5	1758878	10	1667539	25	1736777	50	1776615	100	2076971	200	2320283
2,4'-DDE	5	1746295	10	1695399	25	1761582	50	1738010	100	2018832	200	2137985
2,4'-DDE [2C]	5	2193604	10	2160411	25	2199221	50	2170262	100	2619501	200	2929538
2,4'-DDT	5	1801965	10	1768407	25	1733829	50	1746129	100	2038468	200	2200078
2,4'-DDT [2C]	5	1934429	10	1900030	25	1869512	50	2014236	100	2425980	200	2689472

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD8	Calibration:	A0C1704
Lab File ID:	ECD8-03162016.D		
Sequence:	0C16047	Inject Date:	03/16/20
Lab Sample ID:	0C16047-ICV1	Inject Time:	16:12

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	53.1	6.2	70 - 130
4,4'-DDD [2C]	50.0	55.9	11.9	70 - 130
4,4'-DDE	50.0	51.0	2.1	70 - 130
4,4'-DDE [2C]	50.0	54.7	9.4	70 - 130
4,4'-DDT	50.0	56.2	12.5	70 - 130
4,4'-DDT [2C]	50.0	58.3	16.7	70 - 130
2,4,5,6-TCMX (Surr)	50.0	48.1	-3.7	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	51.0	1.9	70 - 130
Decachlorobiphenyl (Surr)	50.0	50.0	0.0	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	52.0	4.1	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID:	DUALECD8	Calibration:	A0C1704
Lab File ID:	ECD8-03162027.D		
Sequence:	0C16047	Inject Date:	03/16/20
Lab Sample ID:	0C16047-ICV2	Inject Time:	19:13

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	49.5	-1.0	70 - 130
2,4'-DDD [2C]	50.0	52.9	5.9	70 - 130
2,4'-DDE	50.0	50.6	1.3	70 - 130
2,4'-DDE [2C]	50.0	52.5	5.0	70 - 130
2,4'-DDT	50.0	50.3	0.7	70 - 130
2,4'-DDT [2C]	50.0	51.6	3.3	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD8	Calibration:	A0C1704
Lab File ID:	ECD8-03272004.D	Calibration Date:	03/17/20 14:39
Sequence:	0C27035	Injection Date:	03/27/20
Lab Sample ID:	0C27035-CCV1	Injection Time:	12:12

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	52.3		2073686	2169032	4.6	20
4,4'-DDD [2C]	XXX	50.0	55.4	10.7				20
4,4'-DDE	Ave	50.0	51.8		2686496	2781720	3.5	20
4,4'-DDE [2C]	XXX	50.0	53.4	6.7				20
4,4'-DDT	XXX	50.0	57.0	14.1				20
4,4'-DDT [2C]	XXX	50.0	59.2	18.5				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD8	Calibration:	A0C1704
Lab File ID:	ECD8-03272005.D	Calibration Date:	03/17/20 14:39
Sequence:	0C27035	Injection Date:	03/27/20
Lab Sample ID:	0C27035-CCV2	Injection Time:	12:28

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	46.7		1538022	1437064	-6.6	20
2,4'-DDD [2C]	XXX	50.0	49.6	-0.9				20
2,4'-DDE	Ave	50.0	45.6		1848818	1687443	-8.7	20
2,4'-DDE [2C]	XXX	50.0	46.9	-6.3				20
2,4'-DDT	Ave	50.0	44.5		1891375	1684659	-10.9	20
2,4'-DDT [2C]	XXX	50.0	45.8	-8.4				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:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD8	Calibration:	A0C1704
Lab File ID:	ECD8-03272012.D	Calibration Date:	03/17/20 14:39
Sequence:	0C27035	Injection Date:	03/27/20
Lab Sample ID:	0C27035-CCV3	Injection Time:	14:24

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	120		2073686	2489257	20.0	20
4,4'-DDD [2C]	XXX	100	120	19.8				20
4,4'-DDE	Ave	100	114		2686496	3060514	13.9	20
4,4'-DDE [2C]	XXX	100	109	9.3				20
4,4'-DDT	XXX	100	111	11.4				20
4,4'-DDT [2C]	XXX	100	116	16.2				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:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Instrument ID:	DUALECD8	Calibration:	A0C1704
Lab File ID:	ECD8-03272013.D	Calibration Date:	03/17/20 14:39
Sequence:	0C27035	Injection Date:	03/27/20
Lab Sample ID:	0C27035-CCV4	Injection Time:	14:40

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	96.9		1538022	1490623	-3.1	20
2,4'-DDD [2C]	XXX	100	98.7	-1.3				20
2,4'-DDE	Ave	100	97.1		1848818	1795767	-2.9	20
2,4'-DDE [2C]	XXX	100	88.7	-11.3				20
2,4'-DDT	Ave	100	85.3		1891375	1614108	-14.7	20
2,4'-DDT [2C]	XXX	100	89.5	-10.5				20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0C16047	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0C1704

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0C16047-ICV1)			Lab File ID: ECD8-03162016.D		Analyzed: 03/16/20 16:12			
2,4,5,6-TCMX (Surr)	50.0	96	70 - 130	5.579	5.580111	-0.0011	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	102	70 - 130	6.023	6.024222	-0.0012	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	100	70 - 130	9.807	9.809	-0.0020	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	104	70 - 130	10.605	10.60667	-0.0017	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	Gasco_PreRD_DG 2019
Client:	Anchor QEA, LLC	Project:	Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
Sequence:	0C27035	Instrument:	DUALECD8
Matrix:	Sediment	Calibration:	A0C1704

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0C27035-CCV1)			Lab File ID: ECD8-03272004.D		Analyzed: 03/27/20 12:12			
2,4,5,6-TCMX (Surr)	50.0	98	80 - 120	5.567	5.580111	-0.0131	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	99	80 - 120	6.016	6.024222	-0.0082	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	101	80 - 120	9.788	9.809	-0.0210	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	108	80 - 120	10.591	10.60667	-0.0157	+/-1.0	
Calibration Blank (0C27035-CCB1)			Lab File ID: ECD8-03272006.D		Analyzed: 03/27/20 12:45			
2,4,5,6-TCMX (Surr) [2C]	100	97	42 - 129	6.017	6.024222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	92	55 - 130	10.591	10.60667	-0.0157	+/-1.0	
Blank (0030882-BLK1)			Lab File ID: ECD8-03272007.D		Analyzed: 03/27/20 13:01			
2,4,5,6-TCMX (Surr) [2C]	45.5	74	42 - 129	6.017	6.024222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	100	55 - 130	10.59	10.60667	-0.0167	+/-1.0	
LCS (0030882-BS1)			Lab File ID: ECD8-03272008.D		Analyzed: 03/27/20 13:18			
2,4,5,6-TCMX (Surr) [2C]	50.0	78	42 - 129	6.017	6.024222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	98	55 - 130	10.59	10.60667	-0.0167	+/-1.0	
PDI-034SC-D-06-08-191022 (A0C0715-01)			Lab File ID: ECD8-03272009.D		Analyzed: 03/27/20 13:34			
2,4,5,6-TCMX (Surr) [2C]	56.4	75	42 - 129	6.016	6.024222	-0.0082	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	56.4	100	55 - 130	10.59	10.60667	-0.0167	+/-1.0	
Matrix Spike (0030882-MS1)			Lab File ID: ECD8-03272010.D		Analyzed: 03/27/20 13:51			
2,4,5,6-TCMX (Surr) [2C]	56.2	94	42 - 129	6.017	6.024222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	56.2	122	55 - 130	10.59	10.60667	-0.0167	+/-1.0	
Matrix Spike Dup (0030882-MSD1)			Lab File ID: ECD8-03272011.D		Analyzed: 03/27/20 14:07			
2,4,5,6-TCMX (Surr) [2C]	56.4	76	42 - 129	6.017	6.024222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	56.4	99	55 - 130	10.589	10.60667	-0.0177	+/-1.0	
Calibration Check (0C27035-CCV3)			Lab File ID: ECD8-03272012.D		Analyzed: 03/27/20 14:24			
2,4,5,6-TCMX (Surr)	100	101	80 - 120	5.567	5.580111	-0.0131	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	106	80 - 120	6.017	6.024222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr)	100	106	80 - 120	9.787	9.809	-0.0220	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	117	80 - 120	10.59	10.60667	-0.0167	+/-1.0	
Calibration Blank (0C27035-CCB2)			Lab File ID: ECD8-03272014.D		Analyzed: 03/27/20 14:57			
2,4,5,6-TCMX (Surr) [2C]	100	94	42 - 129	6.017	6.024222	-0.0072	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	99	55 - 130	10.591	10.60667	-0.0157	+/-1.0	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco_PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-034SC-D-06-08-191022	10/22/19 08:36	10/23/19 09:58	03/25/20 16:20	155.32	14.00	03/27/20 13:34	1.88	40.00	*

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC

SDG: Gasco PreRD_DG 2019
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
PDI-034SC-D-06-08-191022	A0C0715-01	Sediment

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

Signature: 
Name: David G. Jack

Forms Created: 4/20/2020 12:12PM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco_PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Total Solids	1.00	1.00	% by Weight

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

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-034SC-D-06-08-191022

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Matrix: Sediment
Laboratory ID: A0C0715-01
Sampled: 10/22/19 08:36
Prepared: 03/24/20 17:39
Analyzed: 03/26/20 16:17
Solids: 87.80
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0030870
Calibration:
Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	87.8	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories
SDG: Gasco_PreRD_DG 2019
Client: Anchor QEA, LLC
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc
Batch: 0030870 Batch Matrix: Sediment Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-034SC-D-06-08-191022 (Dup)	0030870-DUP1		03/24/20 17:39	
PDI-034SC-D-06-08-191022	A0C0715-01		03/24/20 17:39	

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.

PDI-034SC-D-06-08-191022

DUPLICATES

SM 2540 G

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Sediment
Batch: 0030870
Preparation: Total Solids (SM2540G/PSEP)
Source Sample Name: PDI-034SC-D-06-08-191022

SDG: Gasco_PreRD_DG 2019
Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP
Laboratory ID: 0030870-DUP1
Lab Source ID: A0C0715-01
Initial/Final: 1 N/A / 1 N/A
% Solids: 87.80

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	87.8		87.4		0.5		SM 2540 G

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco_PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco_PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-034SC-D-06-08-191022	10/22/19 08:36	10/23/19 09:58	03/24/20 17:39	154.38	180.00	03/26/20 16:17	1.94		

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

Raw Data

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

Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Batch 0030881
Sequence 0C26025 (A0C0715-01)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

MAR 3 1 2020

BATCH #: 0030881 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	0030881-BLK1		QC	03/25/20 08:22	30	2				100					
	0030881-BSD1		QC	03/25/20 08:31	30	2	A20C189		100	100					
	0030881-BS1		QC	03/25/20 08:22	30	2	A20C189		100	100					
	A0C0715-01	A	8082 PCBs - Low Level (30g/2mL)	03/25/20 08:22	30.8	2				100	PDI-034SC-D-06-08-191022	+1262,1268			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19C104	09/03/23	Florisil Lot 817211-CM
A19G279	01/18/22	Sulfuric Acid
A19I211	05/07/22	Copper, Granular Lot# J260003
A19I263	03/18/21	DCM CHEM PROD. 194934
A20A032	06/30/23	n-Hexane Lot# 197051
A20A282	07/19/21	Sodium Sulfate Lot # 194865

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C189	08/24/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20C130	09/06/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: _____ Date _____

Reviewed By: _____ Date 3/26/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0030881 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH other	pH >11
	0030881-BLK1		QC	03/25/20 08:22	~~30~~ 31	2				100					
	0030881-BSD1		QC	03/25/20 08:31	30	2	A20C189		100	100					
	0030881-BS1		QC	03/25/20 08:22	30	2	A20C189		100	100					
	A0C0715-01	A	8082 PCBs - Low Level (30g/2mL)	03/25/20 08:22	~~30~~ 30.80	2				100	PDI-034SC-D-06-08-191022	+1262,1268 sonic			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19C104	09/03/23	Florisil Lot 817211-CM
A19G279	01/18/22	Sulfuric Acid
A19I211	05/07/22	Copper, Granular Lot# J260003
A19I263	03/18/21	DCM CHEM PROD. 194934
A20A032	06/30/23	n-Hexane Lot# 197051
A20A282	07/19/21	Sodium Sulfate Lot # 194865

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C189	08/24/20	8082 PCB Matrix Spike

JAG

Surrogate(s)

Std ID	Exp. Date	Description
A20C130	09/06/20	8082 PCB Surrogate Spike

JAG

Method 3546 digestion time and temperture achieved.
Initial: JAG

Witness: AJJ 3-25-20

JAG — Prepared By: 3/25/2020 — Date

CAS — Reviewed By: 03/25/2020 — Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**0C26025**	Instrument:	**DUALECD2F**
Date:	**03/26/20 06:41**	Calibration:	**A0B1902**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0C26025-CCV1	Water	QC	QC				A20C132
2	0C26025-CCB1	Water	QC	QC				A20B383
3	0030881-BLK1	Sediment	QC	QC		0030881		
4	0030881-BS1	Sediment	QC	QC		0030881		
5	0030881-BSD1	Sediment	QC	QC		0030881		
6	A0C0715-01	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	04/02/20	0030881		
7	0C26025-IBL1	Water	QC	QC				
8	0C26025-CCV2	Water	QC	QC				A20C132
9	0C26025-CCB2	Water	QC	QC				A20B383
10	A0C0794-10	Water	8082 PCBs		04/03/20	0030872		
11	A0C0794-11	Water	8082 PCBs		04/03/20	0030872		
12	A0C0800-01	Water	608 PCBs		04/06/20	0030872		
13	0C26025-CCV3	Water	QC	QC				A20C132
14	0C26025-CCB3	Water	QC	QC				A20B383

Comments:

Data Entered By: 3/26/20

Data Reviewed By: MJB 3/26/20

TOTAL AROCLOR AVERAGE RESULTS

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

0C26025-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	453.84
1016 (2)	474.27
1016 (3)	460.81
1016 (4)	487.60
1016 (5)	477.40
1016 (6)	469.57
Average:	**470.58**

Aroclor 1260

Peak	Initial Res
1260 (1)	512.87
1260 (2)	510.39
1260 (3)	491.41
1260 (4)	547.76
1260 (5)	505.74
1260 (6)	499.74
Average:	**511.32**

0030881-BS1

Aroclor 1016

Peak	Initial Res
1016 (1)	632.29
1016 (2)	733.00
1016 (3)	642.51
1016 (4)	734.66
1016 (5)	688.65
1016 (6)	672.17
Average:	**683.88**

Aroclor 1260

Peak	Initial Res
1260 (1)	878.05
1260 (2)	918.74
1260 (3)	901.81
1260 (4)	1,007.26
1260 (5)	928.78
1260 (6)	968.66
Average:	**933.88**

TOTAL AROCLOR AVERAGE RESULTS

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

0030881-BSD1

Aroclor 1016

Peak	Initial Res
1016 (1)	665.55
1016 (2)	761.91
1016 (3)	686.49
1016 (4)	793.72
1016 (5)	732.37
1016 (6)	701.16
Average:	**723.53**

Aroclor 1260

Peak	Initial Res
1260 (1)	886.39
1260 (2)	974.31
1260 (3)	943.91
1260 (4)	1,052.55
1260 (5)	990.85
1260 (6)	1,012.42
Average:	**976.74**

0C26025-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	466.37
1016 (1)	466.37
1016 (1)	466.37
1016 (2)	481.68
1016 (2)	481.68
1016 (2)	481.68
1016 (3)	441.17
1016 (3)	441.17
1016 (3)	441.17
1016 (4)	480.49
1016 (4)	480.49
1016 (4)	480.49
1016 (5)	469.90
1016 (5)	469.90
1016 (5)	469.90
1016 (6)	474.10
1016 (6)	474.10
1016 (6)	474.10
Average:	**468.95**

TOTAL AROCLOR AVERAGE RESULTS

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

0C26025-CCV2

Aroclor 1260

Peak	Initial Res
1260 (1)	516.84
1260 (1)	516.84
1260 (1)	516.84
1260 (2)	505.94
1260 (2)	505.94
1260 (2)	505.94
1260 (3)	533.74
1260 (3)	533.74
1260 (3)	533.74
1260 (4)	531.54
1260 (4)	531.54
1260 (4)	531.54
1260 (5)	515.65
1260 (5)	515.65
1260 (5)	515.65
1260 (6)	512.76
1260 (6)	512.76
1260 (6)	512.76
Average:	**519.41**

0C26025-CCV3

Aroclor 1016

Peak	Initial Res
1016 (1)	463.17
1016 (1)	463.17
1016 (2)	485.93
1016 (2)	485.93
1016 (3)	454.38
1016 (3)	454.38
1016 (4)	478.46
1016 (4)	478.46
1016 (5)	484.95
1016 (5)	484.95
1016 (6)	476.08
1016 (6)	476.08
Average:	**473.83**

TOTAL AROCLOR AVERAGE RESULTS

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

0C26025-CCV3

Aroclor 1260

Peak	Initial Res
1260 (1)	516.21
1260 (1)	516.21
1260 (2)	517.27
1260 (2)	517.27
1260 (3)	526.75
1260 (3)	526.75
1260 (4)	535.40
1260 (4)	535.40
1260 (5)	547.97
1260 (5)	547.97
1260 (6)	530.20
1260 (6)	530.20
Average:	**528.97**

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 7:35
Operator : MJB / KAK
Sample : 0C26025-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:49:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

3/26/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.789	16210569	205.382	ng/ml
62)	S DCBP (S)	9.526	35762770	263.271	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.698	2091163	453.836	ng/ml
3)	Aroclor 1016 (2)	6.110	4173656	474.266	ng/ml
4)	Aroclor 1016 (3)	6.192	2205771	460.808	ng/ml
5)	Aroclor 1016 (4)	6.347	2161148	487.598	ng/ml
6)	Aroclor 1016 (5)	6.570	2441659	477.401	ng/ml
7)	Aroclor 1016 (6)	6.695	1735832	469.567	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.141	500983	367.474	ng/ml
10)	Aroclor 1221 (2)	5.256	222110	241.105	ng/ml
11)	Aroclor 1221 (3)	5.339	880071	310.200	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.339	880071	371.988	ng/ml
14)	Aroclor 1232 (2)	6.110	4173656	1163.457	ng/ml
15)	Aroclor 1232 (3)	6.192	2205771	1120.700	ng/ml
16)	Aroclor 1232 (4)	6.347	2161148	1422.422	ng/ml
17)	Aroclor 1232 (5)	6.570	2441659	1264.854	ng/ml
18)	Aroclor 1232 (6)	6.695	1735832	1102.143	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.698	2091163	593.940	ng/ml
21)	Aroclor 1242 (2)	6.110	4173656	581.778	ng/ml
22)	Aroclor 1242 (3)	6.192	2205771	600.063	ng/ml
23)	Aroclor 1242 (4)	6.347	2161148	660.093	ng/ml
24)	Aroclor 1242 (5)	6.570	2441659	595.718	ng/ml
25)	Aroclor 1242 (6)	6.695	1735832	509.349	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.110	4173656	956.804	ng/ml
28)	Aroclor 1248 (2)	6.347	2161148	378.814	ng/ml
29)	Aroclor 1248 (3)	6.570	2441659	377.121	ng/ml
30)	Aroclor 1248 (4)	6.864	471297	64.085	ng/ml
31)	Aroclor 1248 (5)	6.895	1637901	217.068	ng/ml
32)	Aroclor 1248 (6)	7.382	3986655	971.551	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.895	1637901	184.854	ng/ml
35)	Aroclor 1254 (2)	7.007	1819279	164.163	ng/ml
36)	Aroclor 1254 (3)	7.382	3986655	239.594	ng/ml
37)	Aroclor 1254 (4)	7.543	510137	48.000	ng/ml
38)	Aroclor 1254 (5)	7.922	5147386	444.350	ng/ml
39)	Aroclor 1254 (6)	8.213	595653	159.659	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.495	5216909	512.870	ng/ml
42)	Aroclor 1260 (2)	7.629	6452440	510.390	ng/ml
43)	Aroclor 1260 (3)	8.182	4669874	491.408	ng/ml
44)	Aroclor 1260 (4)	8.353	12322378	547.762	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 7:35
Operator : MJB / KAK
Sample : 0C26025-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:49:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.651	7686507	505.742	ng/ml
46)	Aroclor 1260 (6)	9.039	3067840	499.740	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.629	6452440	600.535	ng/ml
49)	Aroclor 1262 (2)	7.951	5052576	329.776	ng/ml
50)	Aroclor 1262 (3)	8.182	4669874	365.814	ng/ml
51)	Aroclor 1262 (4)	8.353	12322378	435.371	ng/ml
52)	Aroclor 1262 (5)	8.651	7686507	425.287	ng/ml
53)	Aroclor 1262 (6)	9.039	3067840	338.809	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.182	4669874	726.693	ng/ml
56)	Aroclor 1268 (2)	8.599	2759731	92.975	ng/ml
57)	Aroclor 1268 (3)	8.651	7686507	307.728	ng/ml
58)	Aroclor 1268 (4)	8.826	311079	13.488	ng/ml
59)	Aroclor 1268 (5)	9.039	3067840	333.097	ng/ml
60)	Aroclor 1268 (6)	9.294	800392	12.340	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

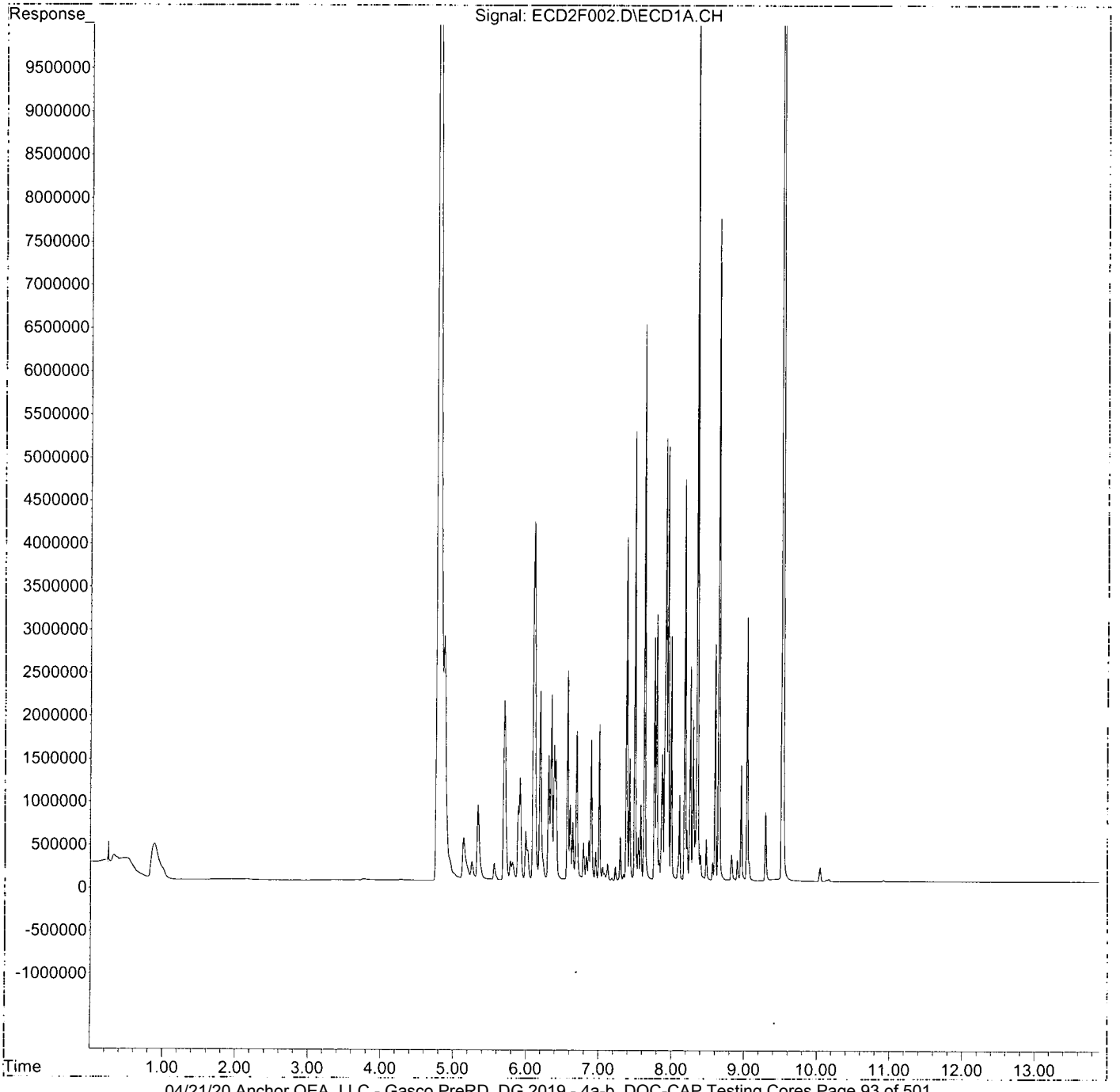
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 7:35
Operator : MJB / KAK
Sample : 0C26025-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:49:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 7:53
Operator : MJB / KAK
Sample : 0C26025-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:50:20 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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clean

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.786	6623349	83.915	ng/ml
62)	S DCBP (S)	9.525	14336331	105.538	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.691	312	0.068	ng/ml
3)	Aroclor 1016 (2)	6.093	396	0.045	ng/ml
4)	Aroclor 1016 (3)	6.189	724	0.151	ng/ml
5)	Aroclor 1016 (4)	6.339	827	0.187	ng/ml
6)	Aroclor 1016 (5)	6.562	525	0.103	ng/ml
7)	Aroclor 1016 (6)	6.701	1414	0.382	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.143	12569	9.219	ng/ml
10)	Aroclor 1221 (2)	5.263	7361	7.991	ng/ml
11)	Aroclor 1221 (3)	5.331	4523	1.594	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.331	4523	1.912	ng/ml
14)	Aroclor 1232 (2)	6.093	396	0.111	ng/ml
15)	Aroclor 1232 (3)	6.189	724	0.368	ng/ml
16)	Aroclor 1232 (4)	6.348	803	0.529	ng/ml
17)	Aroclor 1232 (5)	6.562	525	0.272	ng/ml
18)	Aroclor 1232 (6)	6.701	1414	0.898	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.691	312	0.089	ng/ml
21)	Aroclor 1242 (2)	6.093	396	0.055	ng/ml
22)	Aroclor 1242 (3)	6.189	724	0.197	ng/ml
23)	Aroclor 1242 (4)	6.348	803	0.245	ng/ml
24)	Aroclor 1242 (5)	6.562	525	0.128	ng/ml
25)	Aroclor 1242 (6)	6.701	1414	0.415	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.093	396	0.091	ng/ml
28)	Aroclor 1248 (2)	6.348	803	0.141	ng/ml
29)	Aroclor 1248 (3)	6.562	525	0.081	ng/ml
30)	Aroclor 1248 (4)	6.858	629	0.085	ng/ml
31)	Aroclor 1248 (5)	6.897	841	0.111	ng/ml
32)	Aroclor 1248 (6)	7.376	1942	0.473	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.897	841	0.095	ng/ml
35)	Aroclor 1254 (2)	7.004	872	0.079	ng/ml
36)	Aroclor 1254 (3)	7.376	1942	0.117	ng/ml
37)	Aroclor 1254 (4)	7.535	1742	0.164	ng/ml
38)	Aroclor 1254 (5)	7.931	11353	0.980	ng/ml
39)	Aroclor 1254 (6)	8.215	828	0.222	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.495	1301	0.128	ng/ml
42)	Aroclor 1260 (2)	7.629	2837	0.224	ng/ml
43)	Aroclor 1260 (3)	8.181	1423	0.150	ng/ml
44)	Aroclor 1260 (4)	8.352	42965	1.910	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 7:53
Operator : MJB / KAK
Sample : 0C26025-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:50:20 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.653	3501	0.230	ng/ml
46)	Aroclor 1260 (6)	9.068	3837	0.625	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.629	2837	0.264	ng/ml
49)	Aroclor 1262 (2)	7.931	11353	0.741	ng/ml
50)	Aroclor 1262 (3)	8.181	1423	0.111	ng/ml
51)	Aroclor 1262 (4)	8.352	42965	1.518	ng/ml
52)	Aroclor 1262 (5)	8.653	3501	0.194	ng/ml
53)	Aroclor 1262 (6)	9.068	3837	0.424	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.181	1423	0.221	ng/ml
56)	Aroclor 1268 (2)	8.598	2238	0.075	ng/ml
57)	Aroclor 1268 (3)	8.653	3501	0.140	ng/ml
58)	Aroclor 1268 (4)	8.831	69916	3.032	ng/ml
59)	Aroclor 1268 (5)	9.068	3837	0.417	ng/ml
60)	Aroclor 1268 (6)	9.296	76457	1.179	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

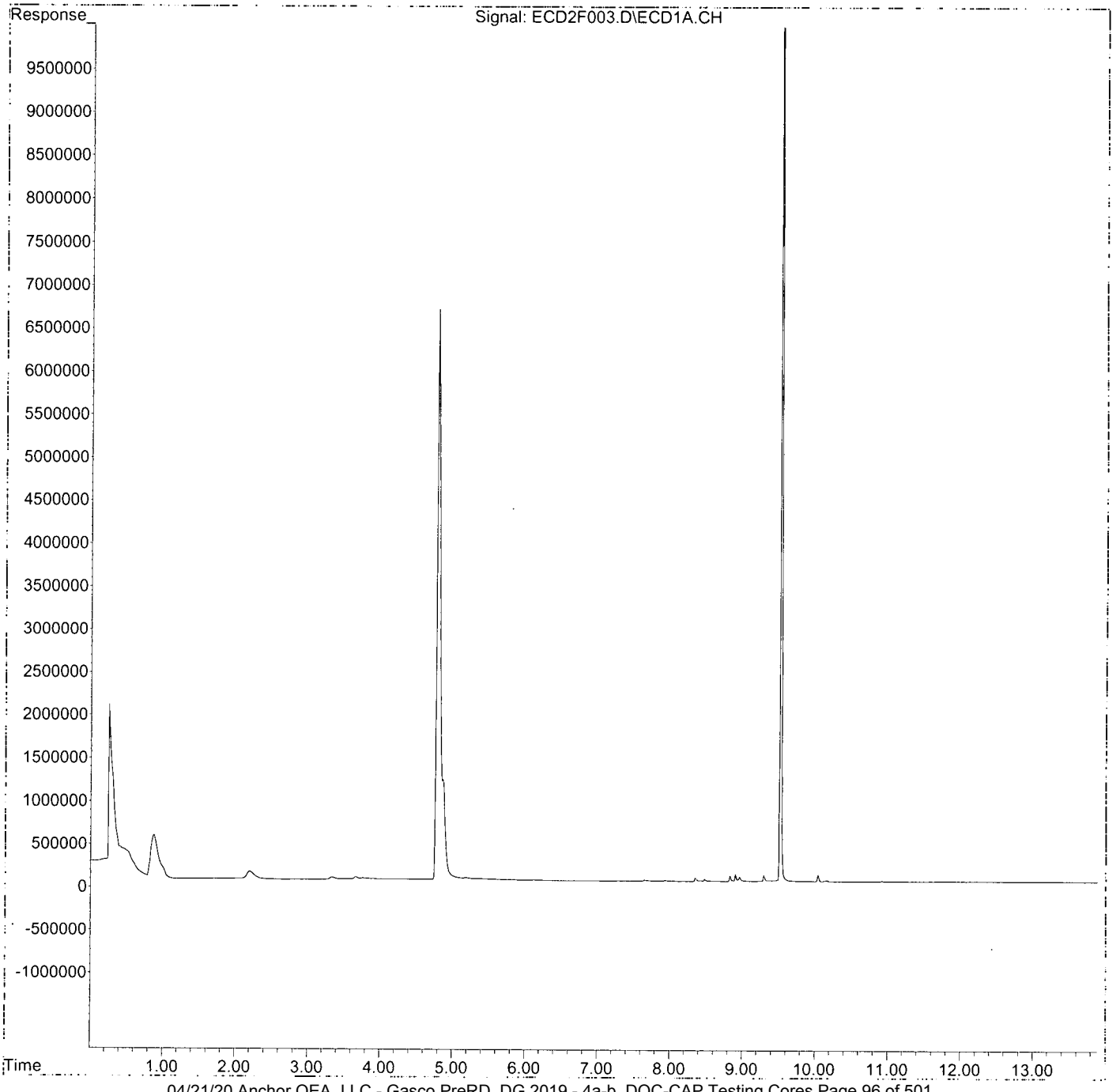
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 7:53
Operator : MJB / KAK
Sample : 0C26025-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:50:20 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:10
Operator : MJB / KAK
Sample : 0030881-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:50:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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Clean

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.788	10663359	135.101	ng/ml
62)	S DCBP (S)	9.524	32119117	236.448	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.691	9982	2.166	ng/ml
3)	Aroclor 1016 (2)	6.110	7818	0.888	ng/ml
4)	Aroclor 1016 (3)	6.195	4168	0.871	ng/ml
5)	Aroclor 1016 (4)	6.345	4138	0.934	ng/ml
6)	Aroclor 1016 (5)	6.569	3962	0.775	ng/ml
7)	Aroclor 1016 (6)	6.695	3843	1.040	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.146	239447	175.636	ng/ml
10)	Aroclor 1221 (2)	5.292f	17484	18.979	ng/ml
11)	Aroclor 1221 (3)	5.335	17848	6.291	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.329	17996	7.607	ng/ml
14)	Aroclor 1232 (2)	6.110	7818	2.179	ng/ml
15)	Aroclor 1232 (3)	6.195	4168	2.117	ng/ml
16)	Aroclor 1232 (4)	6.345	4138	2.724	ng/ml
17)	Aroclor 1232 (5)	6.569	3962	2.052	ng/ml
18)	Aroclor 1232 (6)	6.695	3843	2.440	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.691	9982	2.835	ng/ml
21)	Aroclor 1242 (2)	6.110	7818	1.090	ng/ml
22)	Aroclor 1242 (3)	6.195	4168	1.134	ng/ml
23)	Aroclor 1242 (4)	6.345	4138	1.264	ng/ml
24)	Aroclor 1242 (5)	6.569	3962	0.967	ng/ml
25)	Aroclor 1242 (6)	6.695	3843	1.128	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.110	7818	1.792	ng/ml
28)	Aroclor 1248 (2)	6.345	4138	0.725	ng/ml
29)	Aroclor 1248 (3)	6.569	3962	0.612	ng/ml
30)	Aroclor 1248 (4)	6.862	1174	0.160	ng/ml
31)	Aroclor 1248 (5)	6.893	2912	0.386	ng/ml
32)	Aroclor 1248 (6)	7.378	7033	1.714	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.893	2912	0.329	ng/ml
35)	Aroclor 1254 (2)	7.004	3122	0.282	ng/ml
36)	Aroclor 1254 (3)	7.378	7033	0.423	ng/ml
37)	Aroclor 1254 (4)	7.540	2924	0.275	ng/ml
38)	Aroclor 1254 (5)	7.929	20654	1.783	ng/ml
39)	Aroclor 1254 (6)	8.214	2066	0.554	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.493	6702	0.659	ng/ml
42)	Aroclor 1260 (2)	7.626	8381	0.663	ng/ml
43)	Aroclor 1260 (3)	8.180	5023	0.529	ng/ml
44)	Aroclor 1260 (4)	8.349	54603	2.427	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:10
Operator : MJB / KAK
Sample : 0030881-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:50:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.647	8833	0.581 ng/ml
46)	Aroclor 1260 (6)	9.059	8291	1.351 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.626	8381	0.780 ng/ml
49)	Aroclor 1262 (2)	7.946	12108	0.790 ng/ml
50)	Aroclor 1262 (3)	8.180	5023	0.394 ng/ml
51)	Aroclor 1262 (4)	8.349	54603	1.929 ng/ml
52)	Aroclor 1262 (5)	8.647	8833	0.489 ng/ml
53)	Aroclor 1262 (6)	9.059	8291	0.916 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.180	5023	0.782 ng/ml
56)	Aroclor 1268 (2)	8.597	6358	0.214 ng/ml
57)	Aroclor 1268 (3)	8.647	8833	0.354 ng/ml
58)	Aroclor 1268 (4)	8.829	113274	4.912 ng/ml
59)	Aroclor 1268 (5)	9.059	8291	0.900 ng/ml
60)	Aroclor 1268 (6)	9.294	119724	1.846 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

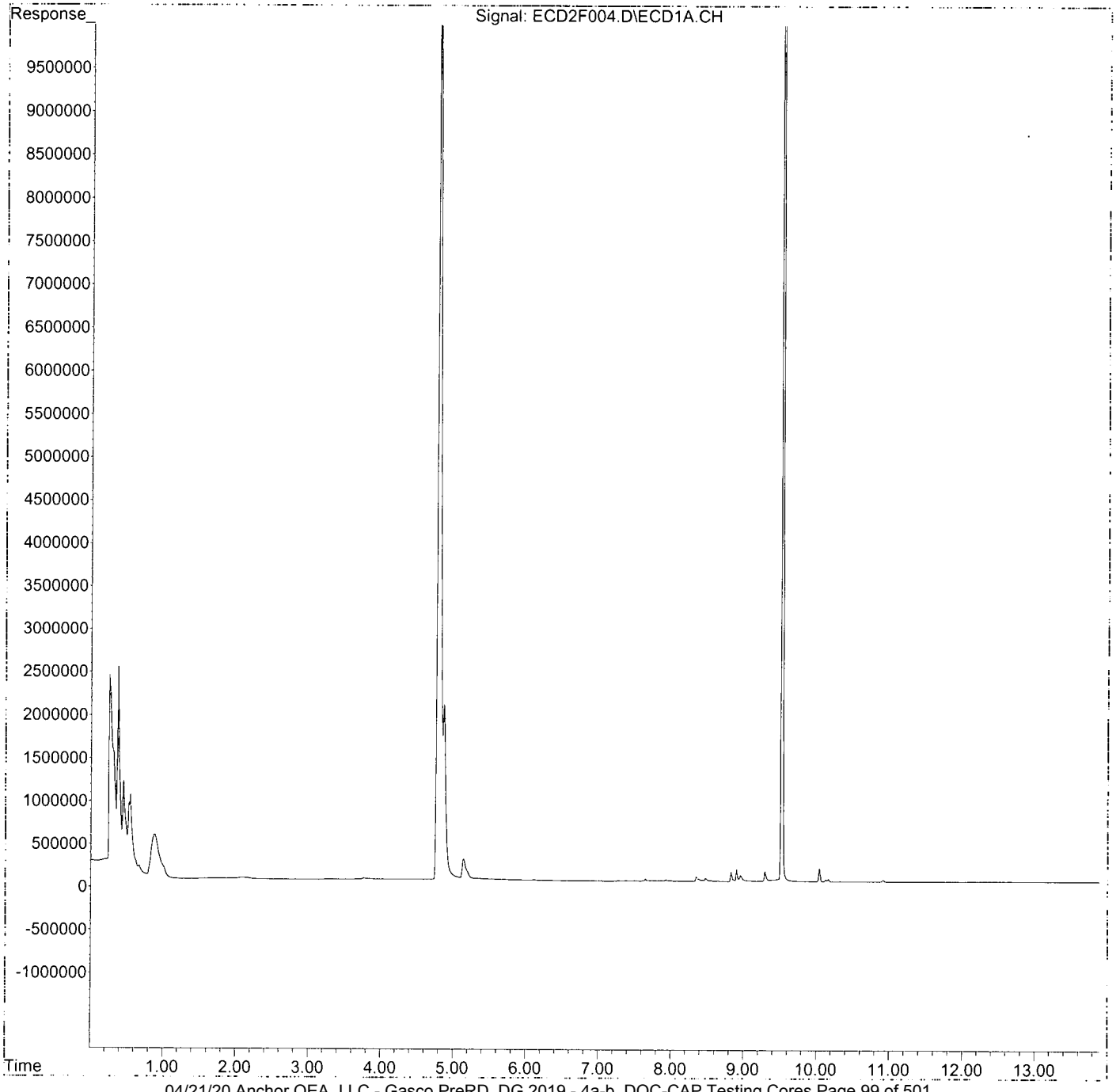
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:10
Operator : MJB / KAK
Sample : 0030881-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:50:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:28
Operator : MJB / KAK
Sample : 0030881-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:51:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.784	9211754	116.710	ng/ml
62) S	DCBP (S)	9.523	29675884	218.462	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.694	2913445	632.293	ng/ml
3)	Aroclor 1016 (2)	6.107	6450608	733.004	ng/ml
4)	Aroclor 1016 (3)	6.189	3075513	642.506	ng/ml
5)	Aroclor 1016 (4)	6.345	3256162	734.655	ng/ml
6)	Aroclor 1016 (5)	6.567	3522073	688.647	ng/ml
7)	Aroclor 1016 (6)	6.694	2484797	672.172	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.137	408208	299.423	ng/ml
10)	Aroclor 1221 (2)	5.254	272336	295.626	ng/ml
11)	Aroclor 1221 (3)	5.335	1194484	421.021	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.335	1194484	504.884	ng/ml
14)	Aroclor 1232 (2)	6.107	6450608	1798.185	ng/ml
15)	Aroclor 1232 (3)	6.189	3075513	1562.596	ng/ml
16)	Aroclor 1232 (4)	6.345	3256162	2143.138	ng/ml
17)	Aroclor 1232 (5)	6.567	3522073	1824.541	ng/ml
18)	Aroclor 1232 (6)	6.694	2484797	1577.688	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.694	2913445	827.488	ng/ml
21)	Aroclor 1242 (2)	6.107	6450608	899.169	ng/ml
22)	Aroclor 1242 (3)	6.189	3075513	836.670	ng/ml
23)	Aroclor 1242 (4)	6.345	3256162	994.549	ng/ml
24)	Aroclor 1242 (5)	6.567	3522073	859.319	ng/ml
25)	Aroclor 1242 (6)	6.694	2484797	729.119	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.107	6450608	1478.791	ng/ml
28)	Aroclor 1248 (2)	6.345	3256162	570.752	ng/ml
29)	Aroclor 1248 (3)	6.567	3522073	543.993	ng/ml
30)	Aroclor 1248 (4)	6.861	746718	101.536	ng/ml
31)	Aroclor 1248 (5)	6.893	2616385	346.744	ng/ml
32)	Aroclor 1248 (6)	7.380	6798062	1656.693	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.893	2616385	295.287	ng/ml
35)	Aroclor 1254 (2)	7.004	3108443	280.491	ng/ml
36)	Aroclor 1254 (3)	7.380	6798062	408.556	ng/ml
37)	Aroclor 1254 (4)	7.540	881428	82.936	ng/ml
38)	Aroclor 1254 (5)	7.919	9055520	781.722	ng/ml
39)	Aroclor 1254 (6)	8.210	856799	229.657	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.492	8931526	878.051	ng/ml
42)	Aroclor 1260 (2)	7.626	11614922	918.744	ng/ml
43)	Aroclor 1260 (3)	8.180	8569918	901.807	ng/ml
44)	Aroclor 1260 (4)	8.351	22659213	1007.262	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:28
Operator : MJB / KAK
Sample : 0030881-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:51:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.649	14115990	928.776	ng/ml
46)	Aroclor 1260 (6)	9.037	5946490	968.661	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.626	11614922	1081.012	ng/ml
49)	Aroclor 1262 (2)	7.949	9286627	606.128	ng/ml
50)	Aroclor 1262 (3)	8.180	8569918	671.323	ng/ml
51)	Aroclor 1262 (4)	8.351	22659213	800.589	ng/ml
52)	Aroclor 1262 (5)	8.649	14115990	781.024	ng/ml
53)	Aroclor 1262 (6)	9.037	5946490	656.725	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.180	8569918	1333.591	ng/ml
56)	Aroclor 1268 (2)	8.597	5035718	169.652	ng/ml
57)	Aroclor 1268 (3)	8.649	14115990	565.131	ng/ml
58)	Aroclor 1268 (4)	8.821	481104	20.860	ng/ml
59)	Aroclor 1268 (5)	9.037	5946490	645.653	ng/ml
60)	Aroclor 1268 (6)	9.291	1409217	21.727	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

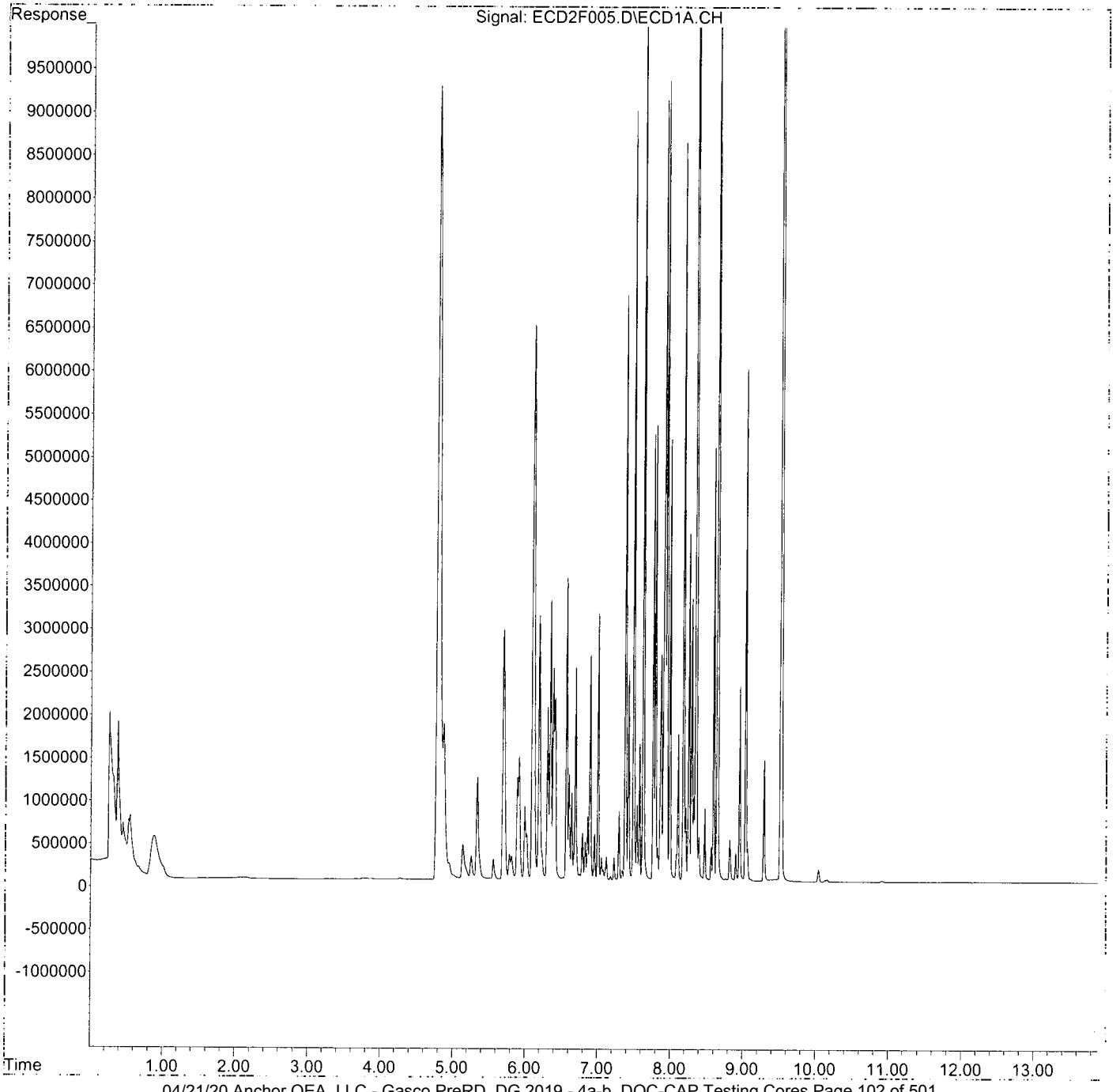
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:28
Operator : MJB / KAK
Sample : 0030881-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:51:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:46
Operator : MJB / KAK
Sample : 0030881-BSD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:51:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

3/26/20
Q-1a

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.792	9260361	117.325	ng/ml
62)	S DCBP (S)	9.524	29870341	219.894	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.694	3066689	665.551	ng/ml
3)	Aroclor 1016 (2)	6.107	6704954	761.906	ng/ml
4)	Aroclor 1016 (3)	6.189	3286036	686.487	ng/ml
5)	Aroclor 1016 (4)	6.344	3517973	793.725	ng/ml
6)	Aroclor 1016 (5)	6.567	3745687	732.369	ng/ml
7)	Aroclor 1016 (6)	6.693	2591947	701.157	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.139	412128	302.299	ng/ml
10)	Aroclor 1221 (2)	5.253	282740	306.920	ng/ml
11)	Aroclor 1221 (3)	5.336	1215583	428.458	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.336	1215583	513.802	ng/ml
14)	Aroclor 1232 (2)	6.107	6704954	1869.087	ng/ml
15)	Aroclor 1232 (3)	6.189	3286036	1669.558	ng/ml
16)	Aroclor 1232 (4)	6.344	3517973	2315.456	ng/ml
17)	Aroclor 1232 (5)	6.567	3745687	1940.380	ng/ml
18)	Aroclor 1232 (6)	6.693	2591947	1645.721	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.694	3066689	871.013	ng/ml
21)	Aroclor 1242 (2)	6.107	6704954	934.624	ng/ml
22)	Aroclor 1242 (3)	6.189	3286036	893.941	ng/ml
23)	Aroclor 1242 (4)	6.344	3517973	1074.516	ng/ml
24)	Aroclor 1242 (5)	6.567	3745687	913.876	ng/ml
25)	Aroclor 1242 (6)	6.693	2591947	760.561	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.107	6704954	1537.100	ng/ml
28)	Aroclor 1248 (2)	6.344	3517973	616.643	ng/ml
29)	Aroclor 1248 (3)	6.567	3745687	578.531	ng/ml
30)	Aroclor 1248 (4)	6.861	779425	105.983	ng/ml
31)	Aroclor 1248 (5)	6.893	2742135	363.409	ng/ml
32)	Aroclor 1248 (6)	7.380	6753518	1645.837	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.893	2742135	309.479	ng/ml
35)	Aroclor 1254 (2)	7.004	3173939	286.401	ng/ml
36)	Aroclor 1254 (3)	7.380	6753518	405.879	ng/ml
37)	Aroclor 1254 (4)	7.541	880187	82.819	ng/ml
38)	Aroclor 1254 (5)	7.919	9355127	807.585	ng/ml
39)	Aroclor 1254 (6)	8.209	898799	240.915	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.492	9016386	886.393	ng/ml
42)	Aroclor 1260 (2)	7.626	12317443	974.314	ng/ml
43)	Aroclor 1260 (3)	8.180	8969984	943.906	ng/ml
44)	Aroclor 1260 (4)	8.351	23677913	1052.545	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:46
Operator : MJB / KAK
Sample : 0030881-BSD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:51:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.649	15059373	990.847	ng/ml
46)	Aroclor 1260 (6)	9.037	6215125	1012.420	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.626	12317443	1146.397	ng/ml
49)	Aroclor 1262 (2)	7.949	9419289	614.787	ng/ml
50)	Aroclor 1262 (3)	8.180	8969984	702.662	ng/ml
51)	Aroclor 1262 (4)	8.351	23677913	836.581	ng/ml
52)	Aroclor 1262 (5)	8.649	15059373	833.220	ng/ml
53)	Aroclor 1262 (6)	9.037	6215125	686.393	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.180	8969984	1395.846	ng/ml
56)	Aroclor 1268 (2)	8.598	5163305	173.950	ng/ml
57)	Aroclor 1268 (3)	8.649	15059373	602.900	ng/ml
58)	Aroclor 1268 (4)	8.822	478014	20.727	ng/ml
59)	Aroclor 1268 (5)	9.037	6215125	674.820	ng/ml
60)	Aroclor 1268 (6)	9.292	1475658	22.751	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

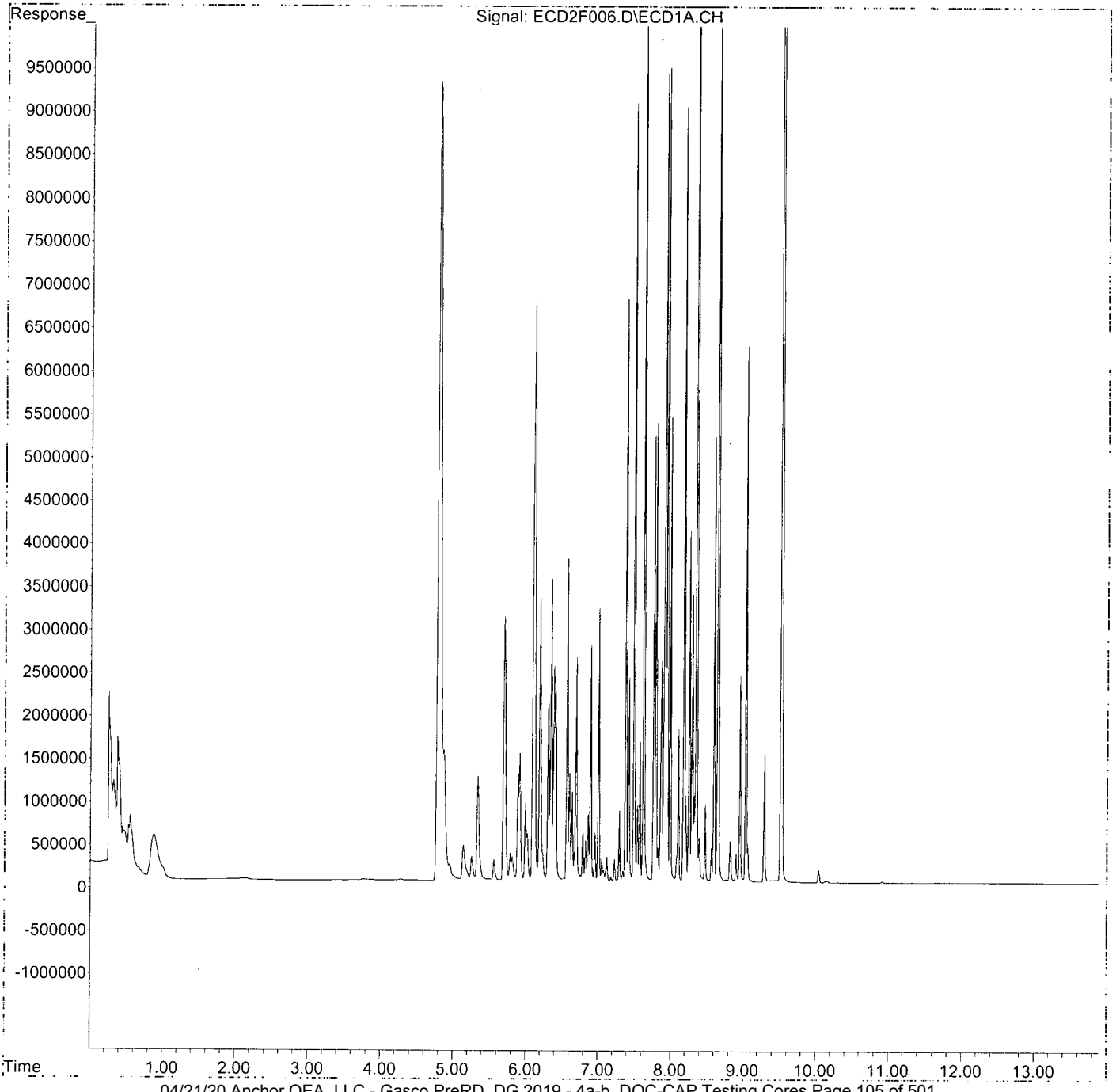
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 8:46
Operator : MJB / KAK
Sample : 0030881-BSD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:51:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:02:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	4.785	12125924	153.631	ng/ml	
62)	S DCBP (S)	9.523	29909271	220.180	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.686	13844	3.004	ng/ml	
3)	Aroclor 1016 (2)	6.110	19064	2.166	ng/ml	
4)	Aroclor 1016 (3)	6.174	7775	1.624	ng/ml	
5)	Aroclor 1016 (4)	6.313	10538	2.378	ng/ml	
6)	Aroclor 1016 (5)	6.569	9462	1.850	ng/ml	
7)	Aroclor 1016 (6)	6.696	9326	2.523	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.141	317064	232.568	ng/mlm	R-02
10)	Aroclor 1221 (2)	5.237	68361	74.208	ng/mlm	R-02
11)	Aroclor 1221 (3)	5.328	67933	23.944	ng/mlm	R-02
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
13)	Aroclor 1232 (1)	5.328	67987	28.737	ng/mlm	
14)	Aroclor 1232 (2)	6.110	19064	5.314	ng/ml	
15)	Aroclor 1232 (3)	6.174	7775	3.950	ng/ml	
16)	Aroclor 1232 (4)	6.313	10538	6.936	ng/ml	
17)	Aroclor 1232 (5)	6.569	9462	4.902	ng/ml	
18)	Aroclor 1232 (6)	6.696	9326	5.922	ng/ml	
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
20)	Aroclor 1242 (1)	5.686	13844	3.932	ng/ml	
21)	Aroclor 1242 (2)	6.110	19064	2.657	ng/ml	
22)	Aroclor 1242 (3)	6.174	7775	2.115	ng/ml	
23)	Aroclor 1242 (4)	6.313	10538	3.219	ng/ml	
24)	Aroclor 1242 (5)	6.569	9462	2.309	ng/ml	
25)	Aroclor 1242 (6)	6.696	9326	2.737	ng/ml	
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
27)	Aroclor 1248 (1)	6.110	19064	4.370	ng/ml	
28)	Aroclor 1248 (2)	6.313	10538	1.847	ng/ml	
29)	Aroclor 1248 (3)	6.569	9462	1.461	ng/ml	
30)	Aroclor 1248 (4)	6.860	6482	0.881	ng/ml	
31)	Aroclor 1248 (5)	6.893	8599	1.140	ng/ml	
32)	Aroclor 1248 (6)	7.377	13603	3.315	ng/ml	
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
34)	Aroclor 1254 (1)	6.893	8599	0.970	ng/ml	
35)	Aroclor 1254 (2)	7.004	10434	0.942	ng/ml	
36)	Aroclor 1254 (3)	7.377	13603	0.818	ng/ml	
37)	Aroclor 1254 (4)	7.543	12314	1.159	ng/ml	
38)	Aroclor 1254 (5)	7.923	23022	1.987	ng/ml	
39)	Aroclor 1254 (6)	8.213	8993	2.411	ng/ml	
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
41)	Aroclor 1260 (1)	7.492	11163	1.097	ng/ml	
42)	Aroclor 1260 (2)	7.625	21797	1.724	ng/ml	
43)	Aroclor 1260 (3)	8.179	13936	1.466	ng/ml	
44)	Aroclor 1260 (4)	8.347	35970	1.599	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:02:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.647	19296	1.270 ng/ml
46)	Aroclor 1260 (6)	9.034	19321	3.147 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.625	21797	2.029 ng/ml
49)	Aroclor 1262 (2)	7.947	16656	1.087 ng/ml
50)	Aroclor 1262 (3)	8.179	13936	1.092 ng/ml
51)	Aroclor 1262 (4)	8.347	35970	1.271 ng/ml
52)	Aroclor 1262 (5)	8.647	19296	1.068 ng/ml
53)	Aroclor 1262 (6)	9.034	19321	2.134 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.179	13936	2.169 ng/ml
56)	Aroclor 1268 (2)	8.596	13354	0.450 ng/ml
57)	Aroclor 1268 (3)	8.647	19296	0.773 ng/ml
58)	Aroclor 1268 (4)	8.827	83723	3.630 ng/ml
59)	Aroclor 1268 (5)	9.034	19321	2.098 ng/ml
60)	Aroclor 1268 (6)	9.293	84501	1.303 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

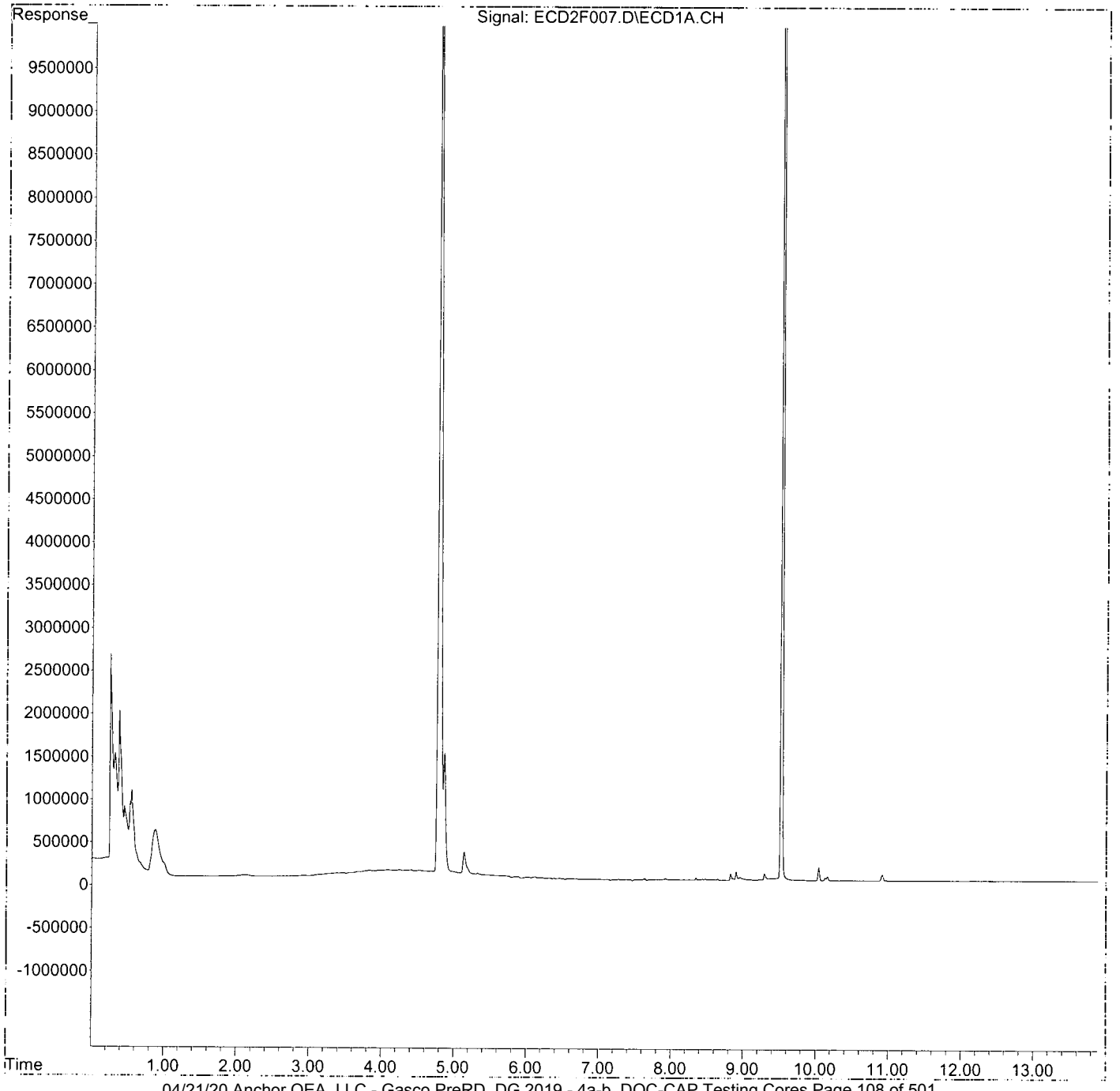
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:02:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

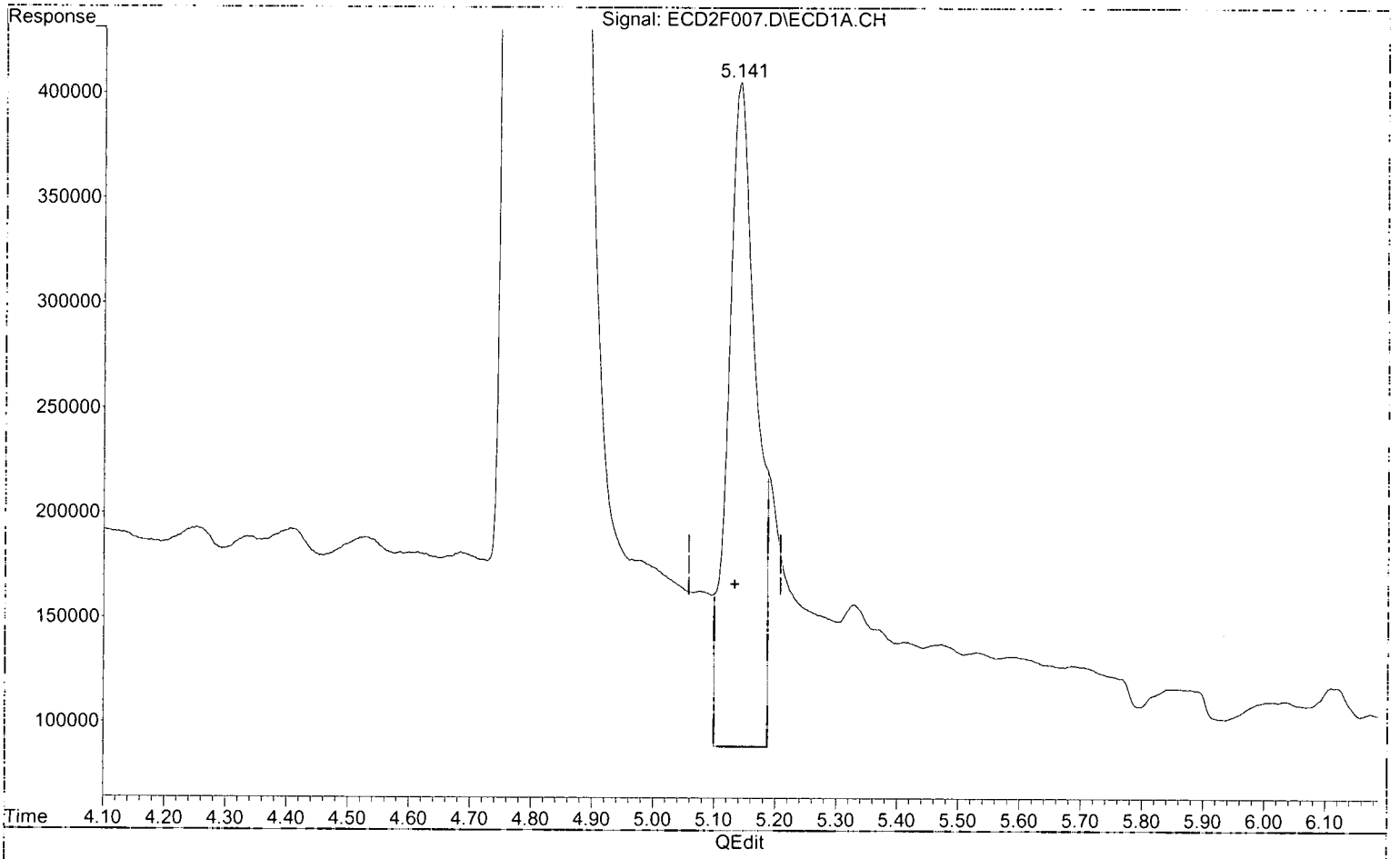


Quantitation Report (Qedit)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:02:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(9) Aroclor 1221 (1)

5.141min 232.568 ng/ml (m) 3/26/20

response 317064

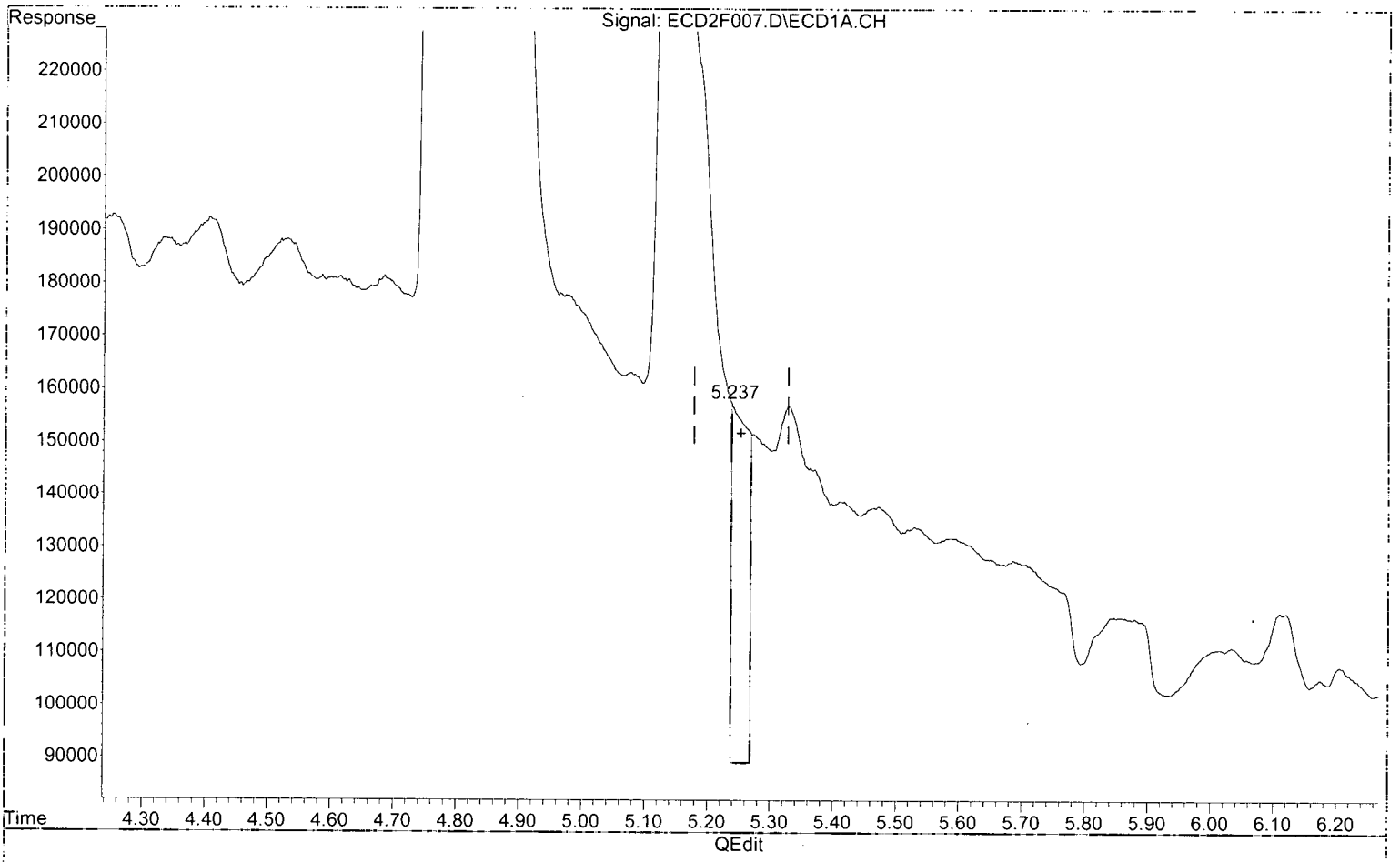
(+) = Expected Peak, Anchor, QEM

Quantitation Report (Qedit)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:02:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(10) Aroclor 1221 (2)

5.237min 74.208 ng/ml (m) 3/26/20

response 68361

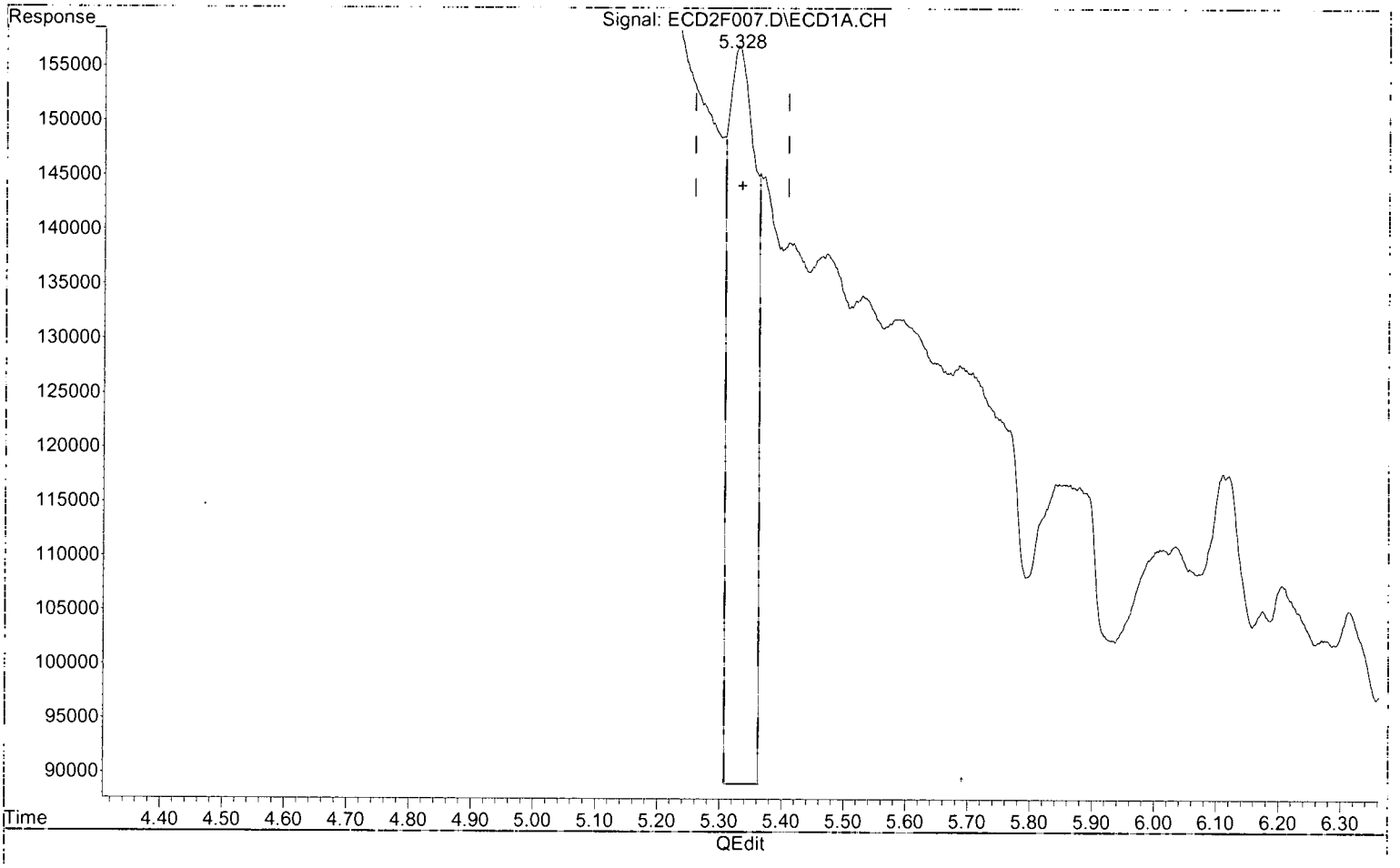
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:02:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(11) Aroclor 1221 (3)

5.328min 23.944 ng/ml m

response 67933

3/26/20

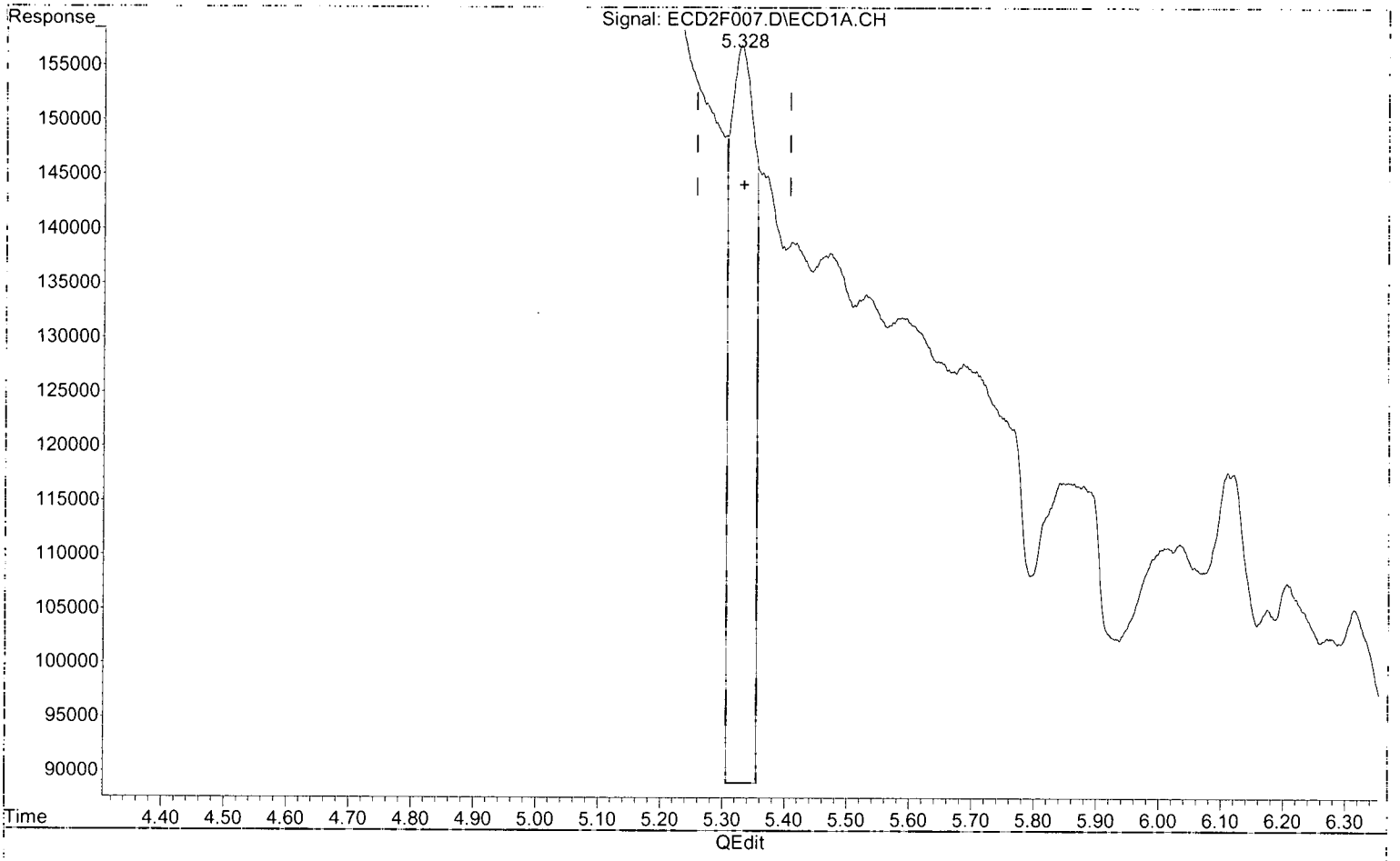
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:02:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



(13) Aroclor 1232 (1)

5.328min 28.737 ng/ml (m) 3/26/20

response 67987

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

3/26/20
MJ

Integration File: PCB1.e
Quant Time: Mar 26 09:51:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.785	12125924	153.631	ng/ml
62)	S DCBP (S)	9.523	29909271	220.180	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.686	13844	3.004	ng/ml
3)	Aroclor 1016 (2)	6.110	19064	2.166	ng/ml
4)	Aroclor 1016 (3)	6.174	7775	1.624	ng/ml
5)	Aroclor 1016 (4)	6.313	10538	2.378	ng/ml
6)	Aroclor 1016 (5)	6.569	9462	1.850	ng/ml
7)	Aroclor 1016 (6)	6.696	9326	2.523	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.141	262612	192.628	ng/ml
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/ml
11)	Aroclor 1221 (3)	5.328	23946	8.440	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.328	23946	10.121	ng/ml
14)	Aroclor 1232 (2)	6.110	19064	5.314	ng/ml
15)	Aroclor 1232 (3)	6.174	7775	3.950	ng/ml
16)	Aroclor 1232 (4)	6.313	10538	6.936	ng/ml
17)	Aroclor 1232 (5)	6.569	9462	4.902	ng/ml
18)	Aroclor 1232 (6)	6.696	9326	5.922	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.686	13844	3.932	ng/ml
21)	Aroclor 1242 (2)	6.110	19064	2.657	ng/ml
22)	Aroclor 1242 (3)	6.174	7775	2.115	ng/ml
23)	Aroclor 1242 (4)	6.313	10538	3.219	ng/ml
24)	Aroclor 1242 (5)	6.569	9462	2.309	ng/ml
25)	Aroclor 1242 (6)	6.696	9326	2.737	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.110	19064	4.370	ng/ml
28)	Aroclor 1248 (2)	6.313	10538	1.847	ng/ml
29)	Aroclor 1248 (3)	6.569	9462	1.461	ng/ml
30)	Aroclor 1248 (4)	6.860	6482	0.881	ng/ml
31)	Aroclor 1248 (5)	6.893	8599	1.140	ng/ml
32)	Aroclor 1248 (6)	7.377	13603	3.315	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.893	8599	0.970	ng/ml
35)	Aroclor 1254 (2)	7.004	10434	0.942	ng/ml
36)	Aroclor 1254 (3)	7.377	13603	0.818	ng/ml
37)	Aroclor 1254 (4)	7.543	12314	1.159	ng/ml
38)	Aroclor 1254 (5)	7.923	23022	1.987	ng/ml
39)	Aroclor 1254 (6)	8.213	8993	2.411	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.492	11163	1.097	ng/ml
42)	Aroclor 1260 (2)	7.625	21797	1.724	ng/ml
43)	Aroclor 1260 (3)	8.179	13936	1.466	ng/ml
44)	Aroclor 1260 (4)	8.347	35970	1.599	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:51:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.647	19296	1.270 ng/ml
46)	Aroclor 1260 (6)	9.034	19321	3.147 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.625	21797	2.029 ng/ml
49)	Aroclor 1262 (2)	7.947	16656	1.087 ng/ml
50)	Aroclor 1262 (3)	8.179	13936	1.092 ng/ml
51)	Aroclor 1262 (4)	8.347	35970	1.271 ng/ml
52)	Aroclor 1262 (5)	8.647	19296	1.068 ng/ml
53)	Aroclor 1262 (6)	9.034	19321	2.134 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.179	13936	2.169 ng/ml
56)	Aroclor 1268 (2)	8.596	13354	0.450 ng/ml
57)	Aroclor 1268 (3)	8.647	19296	0.773 ng/ml
58)	Aroclor 1268 (4)	8.827	83723	3.630 ng/ml
59)	Aroclor 1268 (5)	9.034	19321	2.098 ng/ml
60)	Aroclor 1268 (6)	9.293	84501	1.303 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

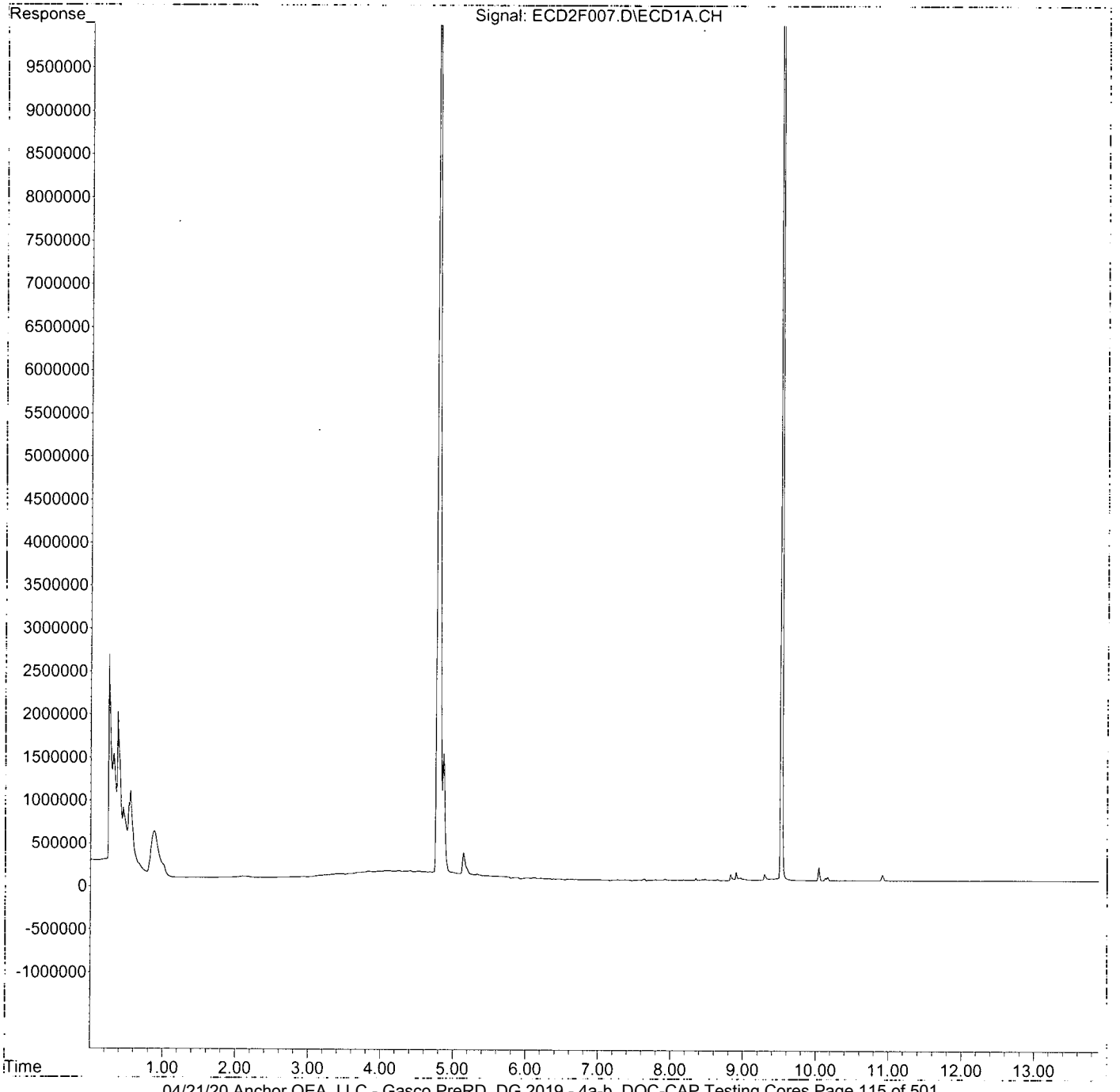
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:03
Operator : MJB / KAK
Sample : A0C0715-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 09:51:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:39
Operator : MJB / KAK
Sample : 0C26025-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:03:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

3/26/20

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.787	16490531	208.929	ng/ml
62)	S DCBP (S)	9.523	38607641	284.214	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.695	2148908	466.369	ng/ml
3)	Aroclor 1016 (2)	6.108	4238901	481.680	ng/ml
4)	Aroclor 1016 (3)	6.189	2111756	441.167	ng/ml
5)	Aroclor 1016 (4)	6.344	2129641	480.489	ng/ml
6)	Aroclor 1016 (5)	6.567	2403270	469.895	ng/ml
7)	Aroclor 1016 (6)	6.694	1752588	474.099	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.139	513006	376.293	ng/ml
10)	Aroclor 1221 (2)	5.253	223426	242.534	ng/ml
11)	Aroclor 1221 (3)	5.335	863808	304.468	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.335	863808	365.114	ng/ml
14)	Aroclor 1232 (2)	6.108	4238901	1181.645	ng/ml
15)	Aroclor 1232 (3)	6.189	2111756	1072.934	ng/ml
16)	Aroclor 1232 (4)	6.344	2129641	1401.685	ng/ml
17)	Aroclor 1232 (5)	6.567	2403270	1244.967	ng/ml
18)	Aroclor 1232 (6)	6.694	1752588	1112.782	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.695	2148908	610.341	ng/ml
21)	Aroclor 1242 (2)	6.108	4238901	590.873	ng/ml
22)	Aroclor 1242 (3)	6.189	2111756	574.487	ng/ml
23)	Aroclor 1242 (4)	6.344	2129641	650.469	ng/ml
24)	Aroclor 1242 (5)	6.567	2403270	586.352	ng/ml
25)	Aroclor 1242 (6)	6.694	1752588	514.266	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.108	4238901	971.761	ng/ml
28)	Aroclor 1248 (2)	6.344	2129641	373.291	ng/ml
29)	Aroclor 1248 (3)	6.567	2403270	371.191	ng/ml
30)	Aroclor 1248 (4)	6.862	455882	61.989	ng/ml
31)	Aroclor 1248 (5)	6.893	1654403	219.255	ng/ml
32)	Aroclor 1248 (6)	7.380	3851010	938.494	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.893	1654403	186.717	ng/ml
35)	Aroclor 1254 (2)	7.004	1794246	161.904	ng/ml
36)	Aroclor 1254 (3)	7.380	3851010	231.441	ng/ml
37)	Aroclor 1254 (4)	7.541	526573	49.547	ng/ml
38)	Aroclor 1254 (5)	7.918	5043656	435.396	ng/ml
39)	Aroclor 1254 (6)	8.210	594746	159.416	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.492	5257290	516.840	ng/ml
42)	Aroclor 1260 (2)	7.625	6396199	505.941	ng/ml
43)	Aroclor 1260 (3)	8.180	5072172	533.742	ng/ml
44)	Aroclor 1260 (4)	8.350	11957488	531.542	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:39
Operator : MJB / KAK
Sample : 0C26025-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:03:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	8.648	7837145	515.653	ng/ml
46)	Aroclor 1260 (6)	9.037	3147768	512.760	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	7.625	6396199	595.301	ng/ml
49)	Aroclor 1262 (2)	7.948	4777898	311.848	ng/ml
50)	Aroclor 1262 (3)	8.180	5072172	397.328	ng/ml
51)	Aroclor 1262 (4)	8.350	11957488	422.479	ng/ml
52)	Aroclor 1262 (5)	8.648	7837145	433.621	ng/ml
53)	Aroclor 1262 (6)	9.037	3147768	347.637	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.180	5072172	789.296	ng/ml
56)	Aroclor 1268 (2)	8.597	2766733	93.211	ng/ml
57)	Aroclor 1268 (3)	8.648	7837145	313.759	ng/ml
58)	Aroclor 1268 (4)	8.823	309455	13.418	ng/ml
59)	Aroclor 1268 (5)	9.037	3147768	341.776	ng/ml
60)	Aroclor 1268 (6)	9.291	814500	12.558	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

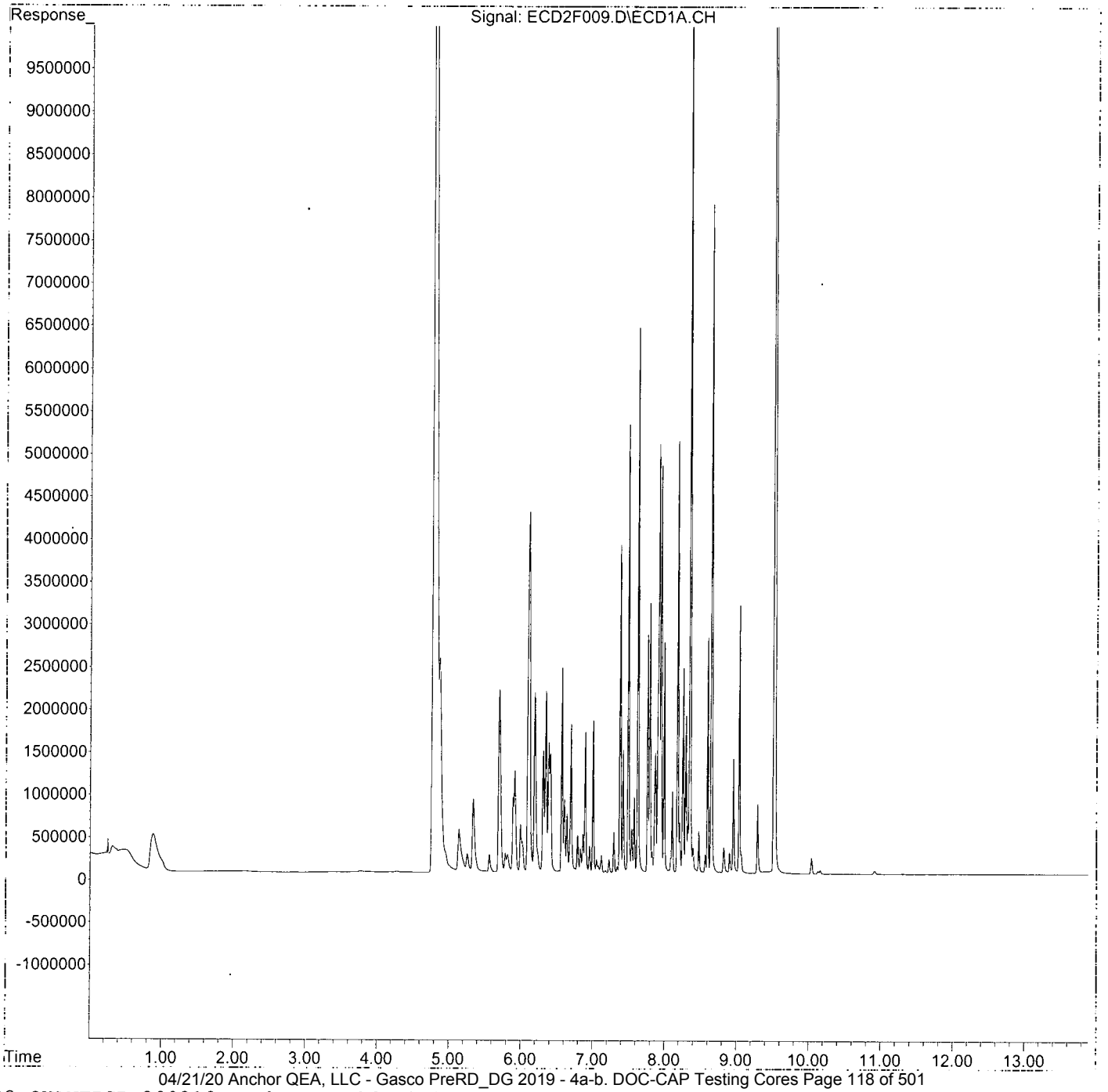
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:39
Operator : MJB / KAK
Sample : 0C26025-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:03:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:56
Operator : MJB / KAK
Sample : 0C26025-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:53:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.790	6544114	82.912	ng/ml
62)	S DCBP (S)	9.523	14876908	109.518	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.690	6559	1.423	ng/ml
3)	Aroclor 1016 (2)	6.087	2528	0.287	ng/ml
4)	Aroclor 1016 (3)	6.184	2328	0.486	ng/ml
5)	Aroclor 1016 (4)	6.343	2055	0.464	ng/ml
6)	Aroclor 1016 (5)	6.560	958	0.187	ng/ml
7)	Aroclor 1016 (6)	6.687	788	0.213	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.133	20300	14.890	ng/ml
10)	Aroclor 1221 (2)	5.273	15135	16.430	ng/ml
11)	Aroclor 1221 (3)	5.334	13561	4.780	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.334	13561	5.732	ng/ml
14)	Aroclor 1232 (2)	6.087	2528	0.705	ng/ml
15)	Aroclor 1232 (3)	6.184	2328	1.183	ng/ml
16)	Aroclor 1232 (4)	6.343	2055	1.352	ng/ml
17)	Aroclor 1232 (5)	6.560	958	0.496	ng/ml
18)	Aroclor 1232 (6)	6.687	788	0.501	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.690	6559	1.863	ng/ml
21)	Aroclor 1242 (2)	6.087	2528	0.352	ng/ml
22)	Aroclor 1242 (3)	6.184	2328	0.633	ng/ml
23)	Aroclor 1242 (4)	6.343	2055	0.628	ng/ml
24)	Aroclor 1242 (5)	6.560	958	0.234	ng/ml
25)	Aroclor 1242 (6)	6.687	788	0.231	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.087	2528	0.579	ng/ml
28)	Aroclor 1248 (2)	6.343	2055	0.360	ng/ml
29)	Aroclor 1248 (3)	6.572	1517	0.234	ng/ml
30)	Aroclor 1248 (4)	6.861	677	0.092	ng/ml
31)	Aroclor 1248 (5)	6.900	957	0.127	ng/ml
32)	Aroclor 1248 (6)	7.379	1779	0.434	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.890	721	0.081	ng/ml
35)	Aroclor 1254 (2)	7.007	919	0.083	ng/ml
36)	Aroclor 1254 (3)	7.379	1779	0.107	ng/ml
37)	Aroclor 1254 (4)	7.544	1358	0.128	ng/ml
38)	Aroclor 1254 (5)	7.930	7988	0.690	ng/ml
39)	Aroclor 1254 (6)	8.211	852	0.228	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.494	1271	0.125	ng/ml
42)	Aroclor 1260 (2)	7.628	2967	0.235	ng/ml
43)	Aroclor 1260 (3)	8.182	1507	0.159	ng/ml
44)	Aroclor 1260 (4)	8.353	26459	1.176	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:56
Operator : MJB / KAK
Sample : 0C26025-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:53:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	8.649	3405	0.224 ng/ml
46)	Aroclor 1260 (6)	9.065	4274	0.696 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	7.628	2967	0.276 ng/ml
49)	Aroclor 1262 (2)	7.930	7988	0.521 ng/ml
50)	Aroclor 1262 (3)	8.182	1507	0.118 ng/ml
51)	Aroclor 1262 (4)	8.353	26459	0.935 ng/ml
52)	Aroclor 1262 (5)	8.649	3405	0.188 ng/ml
53)	Aroclor 1262 (6)	9.065	4274	0.472 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.175	1378	0.214 ng/ml
56)	Aroclor 1268 (2)	8.598	2416	0.081 ng/ml
57)	Aroclor 1268 (3)	8.649	3405	0.136 ng/ml
58)	Aroclor 1268 (4)	8.829	68451	2.968 ng/ml
59)	Aroclor 1268 (5)	9.065	4274	0.464 ng/ml
60)	Aroclor 1268 (6)	9.294	74089	1.142 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

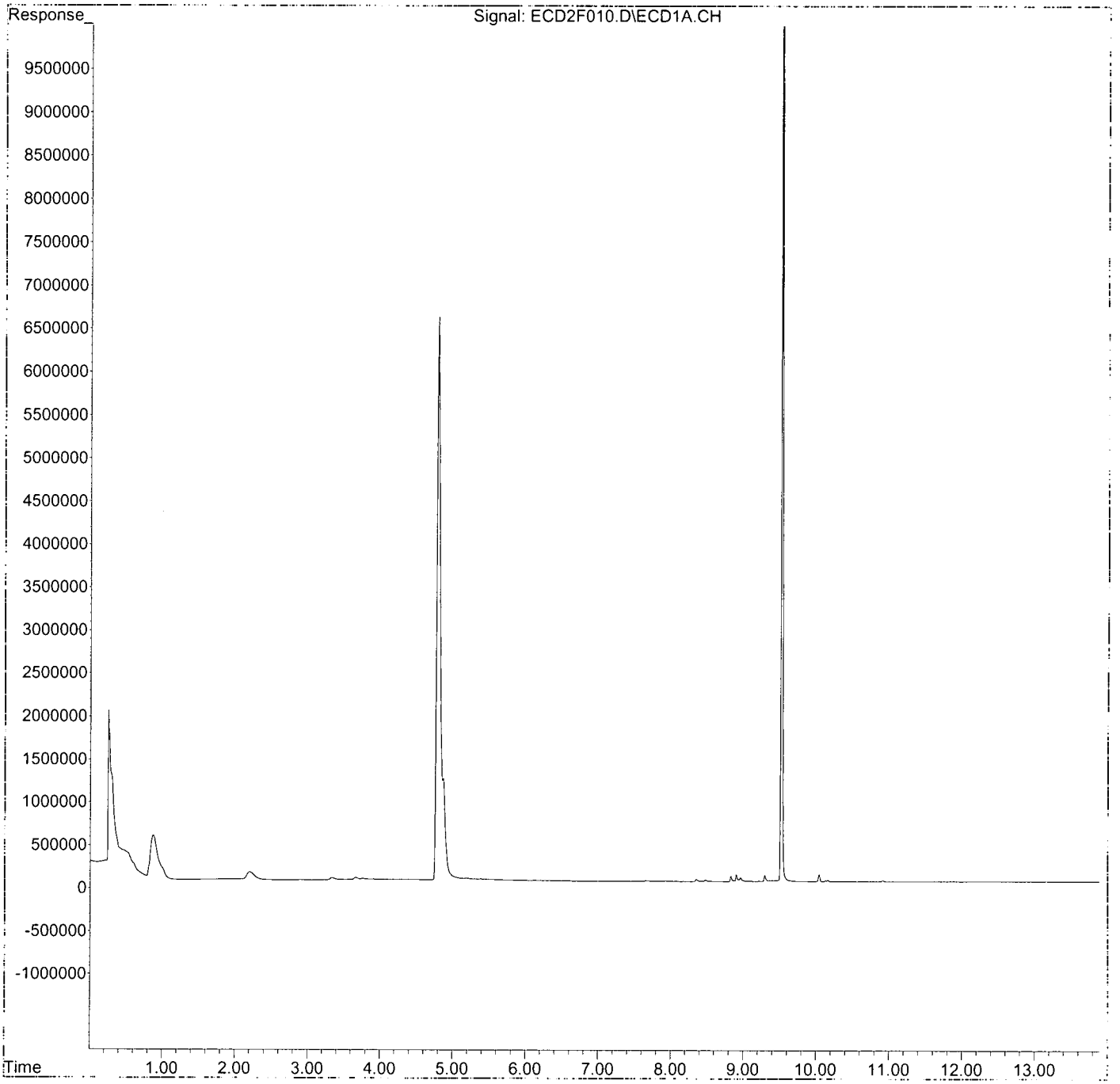
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0C26025\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 26 Mar 2020 9:56
Operator : MJB / KAK
Sample : 0C26025-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 26 10:53:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



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

Polychlorinated Biphenyls by EPA 8082A
Calibration Data

Sequence 0B18016 (Cal ID A0B1902) DUALECD2F

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**0B18016**	Instrument:	**DUALECD2F**
Date:	**02/18/20 07:14**	Calibration:	**A0B1902**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0B18016-ICB1	Water	QC	QC				A20A395
2	0B18016-CAL1	Water	QC	QC				A19L280
3	0B18016-CAL2	Water	QC	QC				A19L281
4	0B18016-CAL3	Water	QC	QC				A19L282
5	0B18016-CAL4	Water	QC	QC				A19L283
6	0B18016-CAL5	Water	QC	QC				A19L276
7	0B18016-CAL6	Water	QC	QC				A19L278
8	0B18016-CAL7	Water	QC	QC				A19L279
9	0B18016-IBL1	Water	QC	QC				
10	0B18016-ICV1	Water	QC	QC				A19H459
11	0B18016-CAL8	Water	QC	QC				A19H447
12	0B18016-CAL9	Water	QC	QC				A19H448
13	0B18016-CALA	Water	QC	QC				A19H449
14	0B18016-CALB	Water	QC	QC				A19H450
15	0B18016-CALC	Water	QC	QC				A19H451
16	0B18016-CALD	Water	QC	QC				A19H452
17	0B18016-CALE	Water	QC	QC				A19H453
18	0B18016-ICV2	Water	QC	QC				A19H405
19	0B18016-ICV3	Water	QC	QC				A19J367
20	0B18016-ICV4	Water	QC	QC				A19H406
21	0B18016-ICV5	Water	QC	QC				A20B130

Comments:

Data Entered By: 2/19/20

Data Reviewed By: 2/20/2020

Calibration Status Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_200218.M
Title : PCB Data Analysis
Last Update : Wed Feb 19 09:08:18 2020
Response Via : Initial Calibration

A0B1902

2/19/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0B18016\ECD2F008.D
2	2	25	0	K:\DATA\0B18016\ECD2F009.D
3	3	50	0	K:\DATA\0B18016\ECD2F010.D
4	4	100	0	K:\DATA\0B18016\ECD2F011.D
5	5	250	0	K:\DATA\0B18016\ECD2F023.D
6	6	500	0	K:\DATA\0B18016\ECD2F013.D
7	7	800	0	K:\DATA\0B18016\ECD2F014.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Feb 19 09:05 2020	Feb 19 08:44 2020	18 Feb 2020 9:47
2	2	Feb 19 09:06 2020	Feb 19 08:45 2020	18 Feb 2020 10:04
3	3	Feb 19 09:06 2020	Feb 19 08:47 2020	18 Feb 2020 10:22
4	4	Feb 19 09:06 2020	Feb 19 08:48 2020	18 Feb 2020 10:40
5	5	Feb 19 09:08 2020	Feb 19 09:05 2020	18 Feb 2020 14:11
6	6	Feb 19 09:06 2020	Feb 19 08:49 2020	18 Feb 2020 11:15
7	7	Feb 19 09:06 2020	Feb 19 08:51 2020	18 Feb 2020 11:32

FECD2_QUANTPCB_200218.M Wed Feb 19 09:32:40 2020

Response Factor Report HP G1530A

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_200218.M
Title : PCB Data Analysis
Last Update : Wed Feb 19 09:08:18 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD2F008.D 2 =ECD2F009.D 3 =ECD2F010.D
4 =ECD2F011.D 5 =ECD2F023.D 6 =ECD2F013.D

2/19/20

A081902

		Compound		1	2	3	4	5	6	Avg		%RSD
1)	S	TCMX (S)		7.350	7.632	7.486	7.955	7.448	8.629	7.893	E4	7.33
2)		Aroclor 1016	...	5.721	5.165	4.485	4.404	4.286	4.175	4.608	E3	13.28✓
3)		Aroclor 1016	...	9.758	9.100	8.745	8.513	8.488	8.442	8.800	E3	5.45✓
4)		Aroclor 1016	...	5.487	5.169	4.618	4.661	4.574	4.577	4.787	E3	8.10✓
5)		Aroclor 1016	...	5.435	4.833	4.615	4.174	4.076	3.930	4.432	E3	12.58✓
6)		Aroclor 1016	...	6.226	5.608	5.066	5.040	4.731	4.405	5.114	E3	12.07✓
7)		Aroclor 1016	(6)	4.529	3.943	3.702	3.630	3.527	3.182	3.697	E3	11.90✓
8)		Aroclor 1016	...							0.000		-1.00
9)		Aroclor 1221	(1)					1.363		1.363	E3	0.00
10)		Aroclor 1221	(2)					9.212		9.212	E2	0.00
11)		Aroclor 1221	(3)					2.837		2.837	E3	0.00
12)		Aroclor 1221	...							0.000		-1.00
13)		Aroclor 1232	(1)					2.366		2.366	E3	0.00
14)		Aroclor 1232	(2)					3.587		3.587	E3	0.00
15)		Aroclor 1232	(3)					1.968		1.968	E3	0.00
16)		Aroclor 1232	(4)					1.519		1.519	E3	0.00
17)		Aroclor 1232	(5)					1.930		1.930	E3	0.00
18)		Aroclor 1232	(6)					1.575		1.575	E3	0.00
19)		Aroclor 1232	...							0.000		-1.00
20)		Aroclor 1242	...					3.521		3.521	E3	0.00
21)		Aroclor 1242	...					7.174		7.174	E3	0.00
22)		Aroclor 1242	...					3.676		3.676	E3	0.00
23)		Aroclor 1242	...					3.274		3.274	E3	0.00
24)		Aroclor 1242	...					4.099		4.099	E3	0.00
25)		Aroclor 1242	(6)					3.408		3.408	E3	0.00
26)		Aroclor 1242	...							0.000		-1.00
27)		Aroclor 1248	...					4.362		4.362	E3	0.00
28)		Aroclor 1248	...					5.705		5.705	E3	0.00
29)		Aroclor 1248	...					6.474		6.474	E3	0.00
30)		Aroclor 1248	...					7.354		7.354	E3	0.00
31)		Aroclor 1248	...					7.546		7.546	E3	0.00
32)		Aroclor 1248	(6)					4.103		4.103	E3	0.00
33)		Aroclor 1248	...							0.000		-1.00
34)		Aroclor 1254	...					8.860		8.860	E3	0.00
35)		Aroclor 1254	...					1.108		1.108	E4	0.00
36)		Aroclor 1254	...					1.664		1.664	E4	0.00
37)		Aroclor 1254	...					1.063		1.063	E4	0.00
38)		Aroclor 1254	...					1.158		1.158	E4	0.00
39)		Aroclor 1254	(6)					3.731		3.731	E3	0.00
40)		Aroclor 1254	...							0.000		-1.00
41)		Aroclor 1260	...	1.169	1.067	1.032	1.027	0.959	0.917	1.017	E4	8.38✓
42)		Aroclor 1260	...	1.447	1.318	1.209	1.280	1.192	1.177	1.264	E4	7.50✓
43)		Aroclor 1260	(3)	1.093	0.987	0.967	0.898	0.928	0.897	0.950	E4	7.76✓
44)		Aroclor 1260	(4)	2.378	2.324	2.170	2.245	2.270	2.142	2.250	E4	3.69✓
45)		Aroclor 1260	(5)	1.635	1.574	1.504	1.533	1.475	1.431	1.520	E4	4.46✓
46)		Aroclor 1260	(6)	7.032	6.207	6.110	6.034	5.917	5.645	6.139	E3	7.04✓
47)		Aroclor 1260	...							0.000		-1.00
48)		Aroclor 1262	(1)					1.074		1.074	E4	0.00
49)		Aroclor 1262	(2)					1.532		1.532	E4	0.00
50)		Aroclor 1262	(3)					1.277		1.277	E4	0.00
51)		Aroclor 1262	(4)					2.830		2.830	E4	0.00
52)		Aroclor 1262	(5)					1.807		1.807	E4	0.00
53)		Aroclor 1262	(6)					9.055		9.055	E3	0.00
54)		Aroclor 1262	...							0.000		-1.00
55)		Aroclor 1268	(1)					6.426		6.426	E3	0.00
56)		Aroclor 1268	(2)					2.968		2.968	E4	0.00
57)		Aroclor 1268	(3)					2.498		2.498	E4	0.00
58)		Aroclor 1268	(4)					2.306		2.306	E4	0.00
59)		Aroclor 1268	(5)					9.210		9.210	E3	0.00
60)		Aroclor 1268	(6)					6.486		6.486	E4	0.00

Method Path : K:\METHODS\
Method File : FECD2_QUANTPCB_200218.M
Title : PCB Data Analysis
Last Update : Wed Feb 19 09:08:18 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD2F008.D 2 =ECD2F009.D 3 =ECD2F010.D
4 =ECD2F011.D 5 =ECD2F023.D 6 =ECD2F013.D

		Compound	1	2	3	4	5	6	Avg	%RSD
61)		Aroclor 1268 ...							0.000	-1.00
62)	S	DCBP (S)	1.375	1.333	1.368	1.365	1.293	1.365	1.358 E5	2.70

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

Compound List Report HP G1530A

Method Path : K:\METHODS\
Method File : FEED2_QUANTPCB_200218.M
Title : PCB Data Analysis
Last Update : Wed Feb 19 09:08:18 2020
Response Via : Initial Calibration

Total Cpnds : 62

2/19/20

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	4.780	1.000	A	H	L
2		Aroclor 1016 (1)	5.692	1.000	A	H	R
3		Aroclor 1016 (2)	6.105	1.000	A	H	R
4		Aroclor 1016 (3)	6.186	1.000	A	H	R
5		Aroclor 1016 (4)	6.343	1.000	A	H	R
6		Aroclor 1016 (5)	6.565	1.000	A	H	R
7		Aroclor 1016 (6)	6.691	1.000	A	H	R
8		Aroclor 1016 - AVE	0.746	1.000	A	H	R
9		Aroclor 1221 (1)	5.133	1.000	A	H	R
10		Aroclor 1221 (2)	5.252	1.000	A	H	R
11		Aroclor 1221 (3)	5.333	1.000	A	H	R
12		Aroclor 1221 - AVE	0.746	1.000	A	H	R
13		Aroclor 1232 (1)	5.332	1.000	A	H	R
14		Aroclor 1232 (2)	6.104	1.000	A	H	R
15		Aroclor 1232 (3)	6.187	1.000	A	H	R
16		Aroclor 1232 (4)	6.344	1.000	A	H	R
17		Aroclor 1232 (5)	6.566	1.000	A	H	R
18		Aroclor 1232 (6)	6.691	1.000	A	H	R
19		Aroclor 1232 - AVE	0.746	1.000	A	H	R
20		Aroclor 1242 (1)	5.692	1.000	A	H	R
21		Aroclor 1242 (2)	6.105	1.000	A	H	R
22		Aroclor 1242 (3)	6.186	1.000	A	H	R
23		Aroclor 1242 (4)	6.344	1.000	A	H	R
24		Aroclor 1242 (5)	6.566	1.000	A	H	R
25		Aroclor 1242 (6)	6.692	1.000	A	H	R
26		Aroclor 1242 - AVE	0.746	1.000	A	H	R
27		Aroclor 1248 (1)	6.106	1.000	A	H	R
28		Aroclor 1248 (2)	6.345	1.000	A	H	R
29		Aroclor 1248 (3)	6.567	1.000	A	H	R
30		Aroclor 1248 (4)	6.861	1.000	A	H	R
31		Aroclor 1248 (5)	6.899	1.000	A	H	R
32		Aroclor 1248 (6)	7.375	1.000	A	H	R
33		Aroclor 1248 - AVE	0.746	1.000	A	H	R
34		Aroclor 1254 (1)	6.893	1.000	A	H	R
35		Aroclor 1254 (2)	7.004	1.000	A	H	R
36		Aroclor 1254 (3)	7.375	1.000	A	H	R
37		Aroclor 1254 (4)	7.541	1.000	A	H	R
38		Aroclor 1254 (5)	7.921	1.000	A	H	R
39		Aroclor 1254 (6)	8.212	1.000	A	H	R
40		Aroclor 1254 - AVE	0.746	1.000	A	H	R
41		Aroclor 1260 (1)	7.492	1.000	A	H	R
42		Aroclor 1260 (2)	7.626	1.000	A	H	R
43		Aroclor 1260 (3)	8.180	1.000	A	H	R
44		Aroclor 1260 (4)	8.351	1.000	A	H	R
45		Aroclor 1260 (5)	8.649	1.000	A	H	R
46		Aroclor 1260 (6)	9.038	1.000	A	H	R
47		Aroclor 1260 - AVE	0.746	1.000	A	H	R
48		Aroclor 1262 (1)	7.627	1.000	A	H	R
49		Aroclor 1262 (2)	7.950	1.000	A	H	R
50		Aroclor 1262 (3)	8.182	1.000	A	H	R
51		Aroclor 1262 (4)	8.353	1.000	A	H	R
52		Aroclor 1262 (5)	8.651	1.000	A	H	R
53		Aroclor 1262 (6)	9.040	1.000	A	H	R
54		Aroclor 1262 - AVE	0.746	1.000	A	H	R
55		Aroclor 1268 (1)	8.174	1.000	A	H	R
56		Aroclor 1268 (2)	8.599	1.000	A	H	R

57		Aroclor 1268 (3)	8.647	1.000	A	H	R
58		Aroclor 1268 (4)	8.829	1.000	A	H	R
59		Aroclor 1268 (5)	9.040	1.000	A	H	R
60		Aroclor 1268 (6)	9.296	1.000	A	H	R
61		Aroclor 1268 - AVE	0.749	1.000	A	H	R
62	S	DCBP (S)	9.526	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

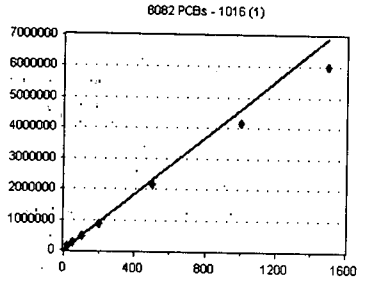
FECD2_QUANTPCB_200218.M Wed Feb 19 09:32:32 2020

Element Calibration Review Sheet

Calibration ID: **A0B1902** Instrument: **DUALECD2F** Calibration Date: **02/19/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20021**

1016 (1)

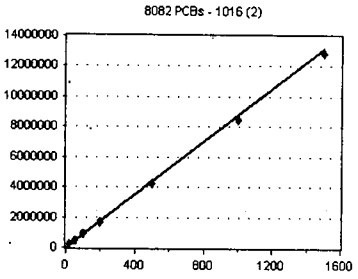


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	6027112	4018.075	5.69
0B18016-CAL6	1000	4174752	4174.752	5.69
0B18016-CAL5	500	2142875	4285.750	5.69
0B18016-CAL4	200	880891	4404.455	5.69
0B18016-CAL3	100	448508	4485.080	5.69
0B18016-CAL2	50	258248	5164.960	5.69
0B18016-CAL1	20	114423	5721.150	5.70

AVE RF **4607.746** RF RSD **13.28** AVE RT **5.69**

1016 (2)

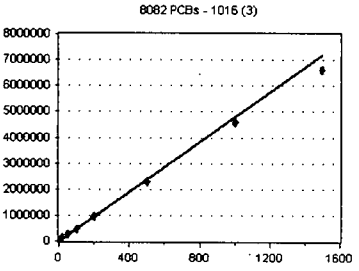


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	283232E+07	8554.880	6.11
0B18016-CAL6	1000	8442266	8442.266	6.11
0B18016-CAL5	500	4244215	8488.430	6.11
0B18016-CAL4	200	1702544	8512.720	6.11
0B18016-CAL3	100	874510	8745.100	6.11
0B18016-CAL2	50	455008	9100.160	6.11
0B18016-CAL1	20	195162	9758.100	6.11

AVE RF **8800.236** RF RSD **5.45** AVE RT **6.11**

1016 (3)

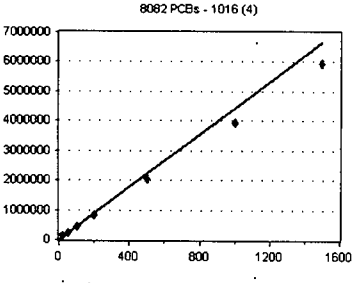


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	6633473	4422.315	6.19
0B18016-CAL6	1000	4576954	4576.954	6.19
0B18016-CAL5	500	2286878	4573.756	6.19
0B18016-CAL4	200	932254	4661.270	6.19
0B18016-CAL3	100	461765	4617.650	6.19
0B18016-CAL2	50	258433	5168.660	6.19
0B18016-CAL1	20	109732	5486.600	6.19

AVE RF **4786.744** RF RSD **8.10** AVE RT **6.19**

1016 (4)



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	5944203	3962.802	6.34
0B18016-CAL6	1000	3930132	3930.132	6.34
0B18016-CAL5	500	2037988	4075.976	6.34
0B18016-CAL4	200	834830	4174.150	6.34
0B18016-CAL3	100	461493	4614.930	6.34
0B18016-CAL2	50	241632	4832.640	6.34
0B18016-CAL1	20	108700	5435.000	6.35

AVE RF **4432.233** RF RSD **12.58** AVE RT **6.34**

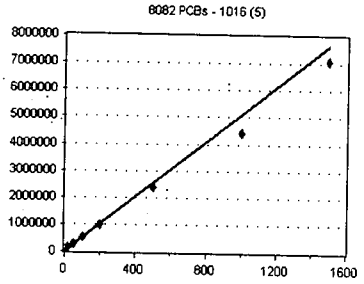
Element Calibration Review Sheet

Calibration ID: **A0B1902** Instrument: **DUALECD2F** Calibration Date: **02/19/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20021**

1016 (5)

Curve Fit: **AVERAGE RF**

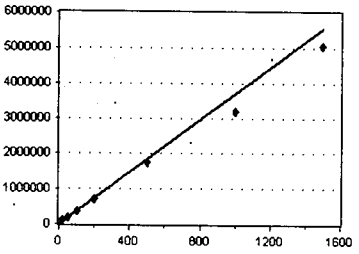


Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	7087609	4725.073	6.57
0B18016-CAL6	1000	4405368	4405.368	6.57
0B18016-CAL5	500	2365422	4730.844	6.57
0B18016-CAL4	200	1008063	5040.315	6.57
0B18016-CAL3	100	506592	5065.920	6.57
0B18016-CAL2	50	280414	5608.280	6.57
0B18016-CAL1	20	124511	6225.550	6.57

AVE RF **5114.479** RF RSD **12.07** AVE RT **6.57**

1016 (6)

Curve Fit: **AVERAGE RF**

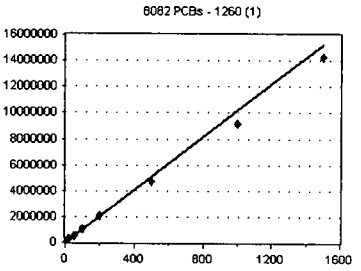


Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	5047266	3364.844	6.69
0B18016-CAL6	1000	3181732	3181.732	6.69
0B18016-CAL5	500	1763397	3526.794	6.69
0B18016-CAL4	200	725904	3629.520	6.69
0B18016-CAL3	100	370235	3702.350	6.69
0B18016-CAL2	50	197133	3942.660	6.69
0B18016-CAL1	20	90576	4528.800	6.70

AVE RF **3696.671** RF RSD **11.90** AVE RT **6.69**

1260 (1)

Curve Fit: **AVERAGE RF**

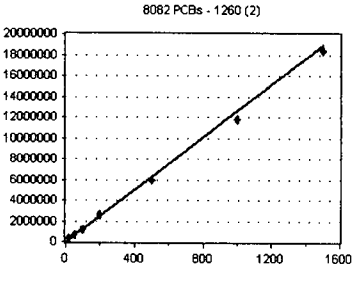


Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	424795E+07	9498.634	7.49
0B18016-CAL6	1000	9172675	9172.675	7.49
0B18016-CAL5	500	4797117	9594.234	7.49
0B18016-CAL4	200	2053158	10265.790	7.49
0B18016-CAL3	100	1031700	10317.000	7.49
0B18016-CAL2	50	533393	10667.860	7.49
0B18016-CAL1	20	233755	11687.750	7.50

AVE RF **10171.990** RF RSD **8.38** AVE RT **7.49**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	841096E+07	12273.970	7.63
0B18016-CAL6	1000	176608E+07	11766.080	7.63
0B18016-CAL5	500	5959812	11919.620	7.63
0B18016-CAL4	200	2559676	12798.380	7.63
0B18016-CAL3	100	1208568	12085.680	7.63
0B18016-CAL2	50	658887	13177.740	7.63
0B18016-CAL1	20	289475	14473.750	7.63

AVE RF **12642.180** RF RSD **7.50** AVE RT **7.63**

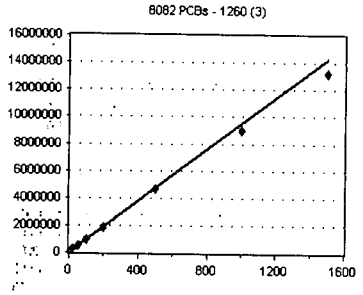
Element Calibration Review Sheet

Calibration ID: **A0B1902** Instrument: **DUALECD2F** Calibration Date: **02/19/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20021**

1260 (3)

Curve Fit: **AVERAGE RF**

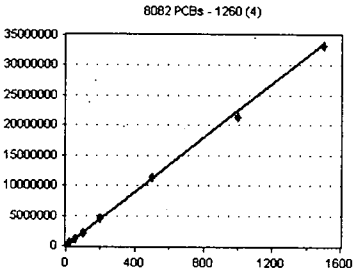


Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	323205E+07	8821.366	8.18
0B18016-CAL6	1000	8969606	8969.606	8.18
0B18016-CAL5	500	4639944	9279.888	8.18
0B18016-CAL4	200	1795515	8977.575	8.18
0B18016-CAL3	100	967418	9674.180	8.18
0B18016-CAL2	50	493633	9872.660	8.18
0B18016-CAL1	20	218521	10926.050	8.19

AVE RF **9503.046** RF RSD **7.76** AVE RT **8.18**

1260 (4)

Curve Fit: **AVERAGE RF**

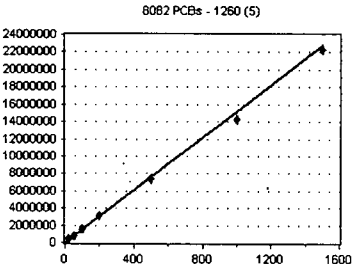


Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	328561E+07	22190.410	8.35
0B18016-CAL6	1000	141804E+07	21418.040	8.35
0B18016-CAL5	500	134863E+07	22697.260	8.35
0B18016-CAL4	200	4490801	22454.010	8.35
0B18016-CAL3	100	2169781	21697.810	8.35
0B18016-CAL2	50	1161834	23236.680	8.35
0B18016-CAL1	20	475536	23776.800	8.36

AVE RF **22495.860** RF RSD **3.69** AVE RT **8.35**

1260 (5)

Curve Fit: **AVERAGE RF**

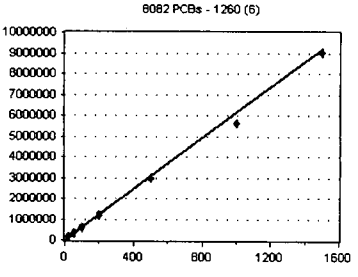


Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	228838E+07	14858.920	8.65
0B18016-CAL6	1000	431165E+07	14311.650	8.65
0B18016-CAL5	500	7377000	14754.000	8.65
0B18016-CAL4	200	3066068	15330.340	8.65
0B18016-CAL3	100	1504417	15044.170	8.65
0B18016-CAL2	50	787003	15740.060	8.65
0B18016-CAL1	20	327005	16350.250	8.66

AVE RF **15198.480** RF RSD **4.46** AVE RT **8.65**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	1500	9041001	6027.334	9.04
0B18016-CAL6	1000	5645108	5645.108	9.04
0B18016-CAL5	500	2958395	5916.790	9.04
0B18016-CAL4	200	1206819	6034.095	9.04
0B18016-CAL3	100	610990	6109.900	9.04
0B18016-CAL2	50	310348	6206.960	9.04
0B18016-CAL1	20	140639	7031.950	9.05

AVE RF **6138.877** RF RSD **7.04** AVE RT **9.04**

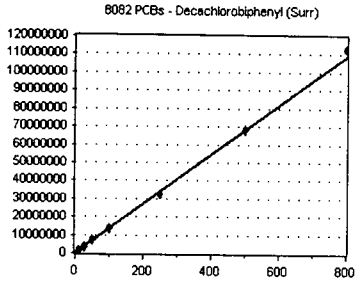
Element Calibration Review Sheet

Calibration ID: **A0B1902** Instrument: **DUALECD2F** Calibration Date: **02/19/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD2_QUANTPCB_20021**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0B18016-CAL7	800	128204E+08	141025.500	9.53
0B18016-CAL6	500	824199E+07	136484.000	9.53
0B18016-CAL5	250	3.23303E+07	129321.200	9.53
0B18016-CAL4	100	365267E+07	136526.700	9.53
0B18016-CAL3	50	6837726	136754.500	9.53
0B18016-CAL2	25	3331882	133275.300	9.53
0B18016-CAL1	10	1374925	137492.500	9.53

AVE RF **135840.000** RF RSD **2.70** AVE RT **9.53**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B18016

Analysis Included

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

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0B18016-ICB1	Initial Cal Blank	Water	A20A395		2/18/2020 9:21:00AM
0B18016-CAL1	Cal Standard	Water	A19L280	"	2/18/2020 9:47:00AM
0B18016-CAL2	Cal Standard	Water	A19L281	"	2/18/2020 10:04:00AM
0B18016-CAL3	Cal Standard	Water	A19L282	"	2/18/2020 10:22:00AM
0B18016-CAL4	Cal Standard	Water	A19L283	"	2/18/2020 10:40:00AM
0B18016-CAL5	Cal Standard	Water	A19L276	"	2/18/2020 10:57:00AM
0B18016-CAL6	Cal Standard	Water	A19L278	"	2/18/2020 11:15:00AM
0B18016-CAL7	Cal Standard	Water	A19L279	"	2/18/2020 11:32:00AM
0B18016-ICV1	Initial Cal Check	Water	A19H459	"	2/18/2020 12:08:00PM
0B18016-CAL8	Cal Standard	Water	A19H447	"	2/18/2020 12:25:00PM
0B18016-CAL9	Cal Standard	Water	A19H448	"	2/18/2020 12:43:00PM
0B18016-CALA	Cal Standard	Water	A19H449	"	2/18/2020 1:00:00PM
0B18016-CALB	Cal Standard	Water	A19H450	"	2/18/2020 1:18:00PM
0B18016-CALC	Cal Standard	Water	A19H451	"	2/18/2020 1:36:00PM
0B18016-CALD	Cal Standard	Water	A19H452	"	2/18/2020 1:53:00PM
0B18016-CALE	Cal Standard	Water	A19H453	"	2/18/2020 2:11:00PM
0B18016-ICV2	Initial Cal Check	Water	A19H405	"	2/18/2020 2:29:00PM
0B18016-ICV3	Initial Cal Check	Water	A19J367	"	2/18/2020 2:46:00PM
0B18016-ICV4	Initial Cal Check	Water	A19H406	"	2/18/2020 3:04:00PM
0B18016-ICV5	Initial Cal Check	Water	A20B130	"	2/18/2020 3:21:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0B1902** Instrument: **DUALECD2F**

1311/8082 TCLP PCBs Sequence: **0B18016** Matrix: **Water**

0B18016-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	

0B18016-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	50.0	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B18016

Aroclor 1260	0.0000	0.00	50.0	0	
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
0B18016-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
0B18016-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
0B18016-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
0B18016-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	800.0000	0.00	1000	0	
Aroclor 1260	800.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
0B18016-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	800.0000	0.00	1500	0	
Aroclor 1260	800.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
0B18016-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1221	0.0000	0.00	500	0	
Aroclor 1221	0.0000	0.00	500	0	
0B18016-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1232	0.0000	0.00	500	0	
Aroclor 1232	0.0000	0.00	500	0	
0B18016-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1242	0.0000	0.00	500	0	
Aroclor 1242	0.0000	0.00	500	0	
0B18016-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1248	0.0000	0.00	500	0	
Aroclor 1248	0.0000	0.00	500	0	
0B18016-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1254	0.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0B18016

0B18016-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1262	0.0000	0.00	500	0	
Aroclor 1262	0.0000	0.00	500	0	

0B18016-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1268	0.0000	0.00	500	0	
Aroclor 1268	0.0000	0.00	500	0	

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

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
				———	☐	☐ ———

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0B1902** Instrument: **DUALECD2F**

608 PCBs - LL (1000/1mL) +1 Sequence: **0B18016** Matrix: **Water**

0B18016-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:21
Operator : MJB / KAK
Sample : 0B18016-ICB1
Misc : [redacted]
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:29:59 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20
clean

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.783	7429424	94.128 ng/ml
62) S	DCBP (S)	9.528	12779359	94.077 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.695	6992	1.518 ng/ml
3)	Aroclor 1016 (2)	6.110	9461	1.075 ng/ml
4)	Aroclor 1016 (3)	6.171	7128	1.489 ng/ml
5)	Aroclor 1016 (4)	6.339	7763	1.751 ng/ml
6)	Aroclor 1016 (5)	6.561	9311	1.820 ng/ml
7)	Aroclor 1016 (6)	6.697	9947	2.691 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.098	19248	14.119 ng/ml
10)	Aroclor 1221 (2)	5.236	18971	20.594 ng/ml
11)	Aroclor 1221 (3)	5.341	13536	4.771 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.341	13536	5.721 ng/ml
14)	Aroclor 1232 (2)	6.110	9461	2.637 ng/ml
15)	Aroclor 1232 (3)	6.171	7128	3.621 ng/ml
16)	Aroclor 1232 (4)	6.348	7570	4.983 ng/ml
17)	Aroclor 1232 (5)	6.561	9311	4.823 ng/ml
18)	Aroclor 1232 (6)	6.697	9947	6.316 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	5.695	6992	1.986 ng/ml
21)	Aroclor 1242 (2)	6.110	9461	1.319 ng/ml
22)	Aroclor 1242 (3)	6.171	7128	1.939 ng/ml
23)	Aroclor 1242 (4)	6.348	7570	2.312 ng/ml
24)	Aroclor 1242 (5)	6.561	9311	2.272 ng/ml
25)	Aroclor 1242 (6)	6.697	9947	2.919 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.110	9461	2.169 ng/ml
28)	Aroclor 1248 (2)	6.348	7570	1.327 ng/ml
29)	Aroclor 1248 (3)	6.561	9311	1.438 ng/ml
30)	Aroclor 1248 (4)	6.862	9515	1.294 ng/ml
31)	Aroclor 1248 (5)	6.895	9371	1.242 ng/ml
32)	Aroclor 1248 (6)	7.383	10486	2.556 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	6.895	9371	1.058 ng/ml
35)	Aroclor 1254 (2)	7.003	8471	0.764 ng/ml
36)	Aroclor 1254 (3)	7.383	10486	0.630 ng/ml
37)	Aroclor 1254 (4)	7.540	8407	0.791 ng/ml
38)	Aroclor 1254 (5)	7.931	10399	0.898 ng/ml
39)	Aroclor 1254 (6)	8.214	1849	0.496 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41)	Aroclor 1260 (1)	7.492	9695	0.953 ng/ml
42)	Aroclor 1260 (2)	7.608	6156	0.487 ng/ml
43)	Aroclor 1260 (3)	8.179	2854	0.300 ng/ml
44)	Aroclor 1260 (4)	8.348	17262	0.767 ng/ml
45)	Aroclor 1260 (5)	8.651	3666	0.241 ng/ml
46)	Aroclor 1260 (6)	9.036	4711	0.767 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:21
Operator : MJB / KAK
Sample : 0B18016-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:29:59 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

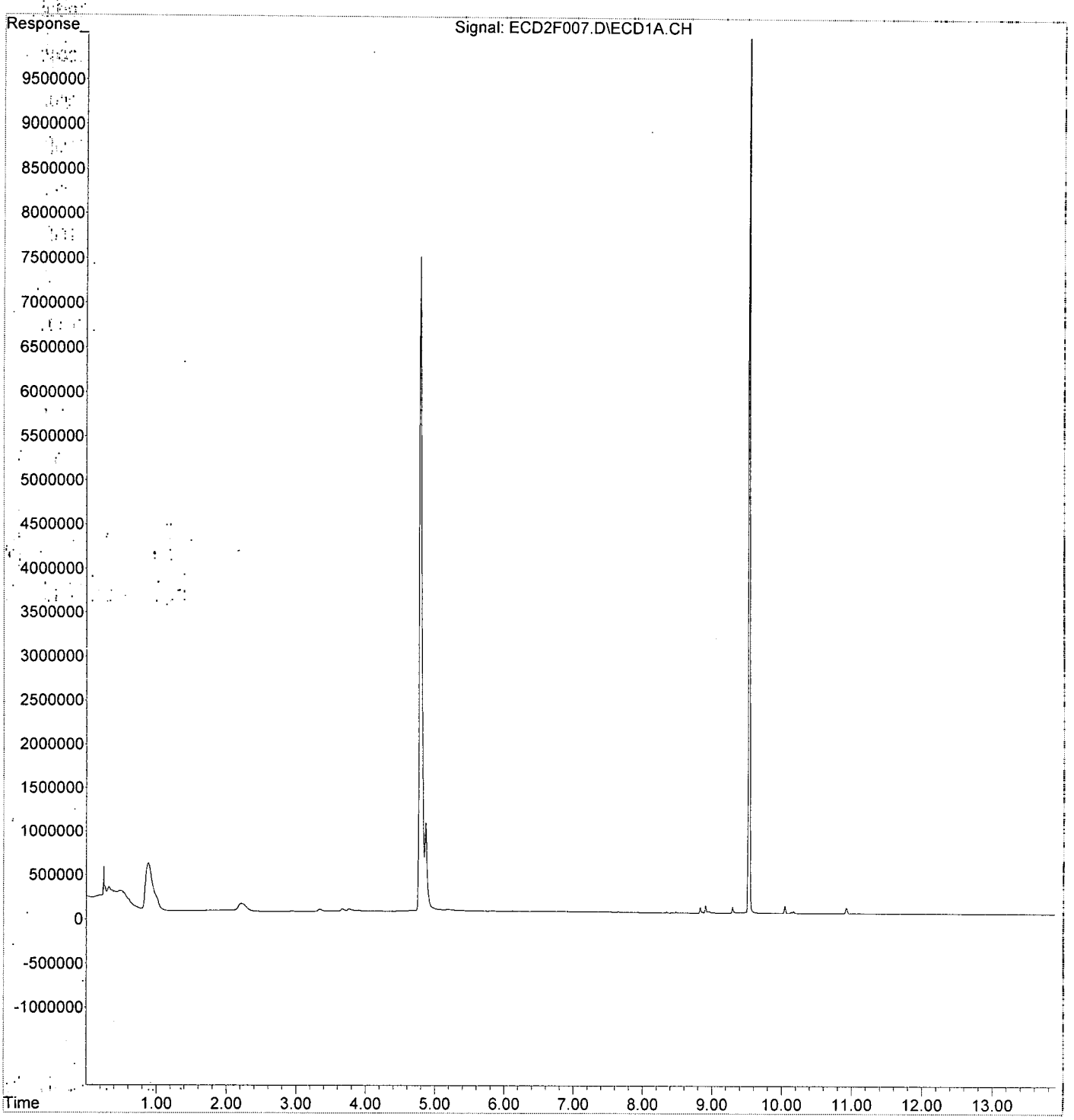
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	7.608	6156	0.573 ng/ml
49)	Aroclor 1262 (2)	7.931	10399	0.679 ng/ml
50)	Aroclor 1262 (3)	8.179	2854	0.224 ng/ml
51)	Aroclor 1262 (4)	8.348	17262	0.610 ng/ml
52)	Aroclor 1262 (5)	8.651	3666	0.203 ng/ml
53)	Aroclor 1262 (6)	9.036	4711	0.520 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.179	2854	0.444 ng/ml
56)	Aroclor 1268 (2)	8.602	2215	0.075 ng/ml
57)	Aroclor 1268 (3)	8.651	3666	0.147 ng/ml
58)	Aroclor 1268 (4)	8.831	66389	2.879 ng/ml
59)	Aroclor 1268 (5)	9.036	4711	0.511 ng/ml
60)	Aroclor 1268 (6)	9.296	71123	1.097 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:21
Operator : MJB / KAK
Sample : 0B18016-ICB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:29:59 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:50
Operator : MJB / KAK
Sample : 0B18016-IBL1
Misc : [redacted]
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:30:21 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

ZHE 2/19/20 2/19/20

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S TCMX (S)	4.778	10788	0.137 ng/ml
62)	S DCBP (S)	9.525	33690	0.248 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.692	4254	0.923 ng/ml
3)	Aroclor 1016 (2)	6.121	17131	1.947 ng/ml
4)	Aroclor 1016 (3)	6.176	5779	1.207 ng/ml
5)	Aroclor 1016 (4)	6.342	4183	0.944 ng/ml
6)	Aroclor 1016 (5)	6.571	9261	1.811 ng/ml
7)	Aroclor 1016 (6)	6.696	7128	1.928 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.141	1719	1.261 ng/ml
10)	Aroclor 1221 (2)	5.261	347	0.377 ng/ml
11)	Aroclor 1221 (3)	5.335	904	0.319 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.335	904	0.382 ng/ml
14)	Aroclor 1232 (2)	6.121	17131	4.776 ng/ml
15)	Aroclor 1232 (3)	6.176	5779	2.936 ng/ml
16)	Aroclor 1232 (4)	6.342	4183	2.753 ng/ml
17)	Aroclor 1232 (5)	6.571	9261	4.798 ng/ml
18)	Aroclor 1232 (6)	6.696	7128	4.526 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	5.692	4254	1.208 ng/ml
21)	Aroclor 1242 (2)	6.121	17131	2.388 ng/ml
22)	Aroclor 1242 (3)	6.176	5779	1.572 ng/ml
23)	Aroclor 1242 (4)	6.342	4183	1.278 ng/ml
24)	Aroclor 1242 (5)	6.571	9261	2.260 ng/ml
25)	Aroclor 1242 (6)	6.696	7128	2.091 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.121	17131	3.927 ng/ml
28)	Aroclor 1248 (2)	6.342	4183	0.733 ng/ml
29)	Aroclor 1248 (3)	6.571	9261	1.430 ng/ml
30)	Aroclor 1248 (4)	6.862	8108	1.102 ng/ml
31)	Aroclor 1248 (5)	6.897	8377	1.110 ng/ml
32)	Aroclor 1248 (6)	7.378	9420	2.296 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	6.897	8377	0.945 ng/ml
35)	Aroclor 1254 (2)	7.006	7440	0.671 ng/ml
36)	Aroclor 1254 (3)	7.378	9420	0.566 ng/ml
37)	Aroclor 1254 (4)	7.541	7642	0.719 ng/ml
38)	Aroclor 1254 (5)	7.920	10732	0.926 ng/ml
39)	Aroclor 1254 (6)	8.213	2521	0.676 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41)	Aroclor 1260 (1)	7.494	9920	0.975 ng/ml
42)	Aroclor 1260 (2)	7.628	12694	1.004 ng/ml
43)	Aroclor 1260 (3)	8.181	5986	0.630 ng/ml
44)	Aroclor 1260 (4)	8.353	18505	0.823 ng/ml
45)	Aroclor 1260 (5)	8.650	13881	0.913 ng/ml
46)	Aroclor 1260 (6)	9.040	6437	1.049 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:50
Operator : MJB / KAK
Sample : 0B18016-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:30:21 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

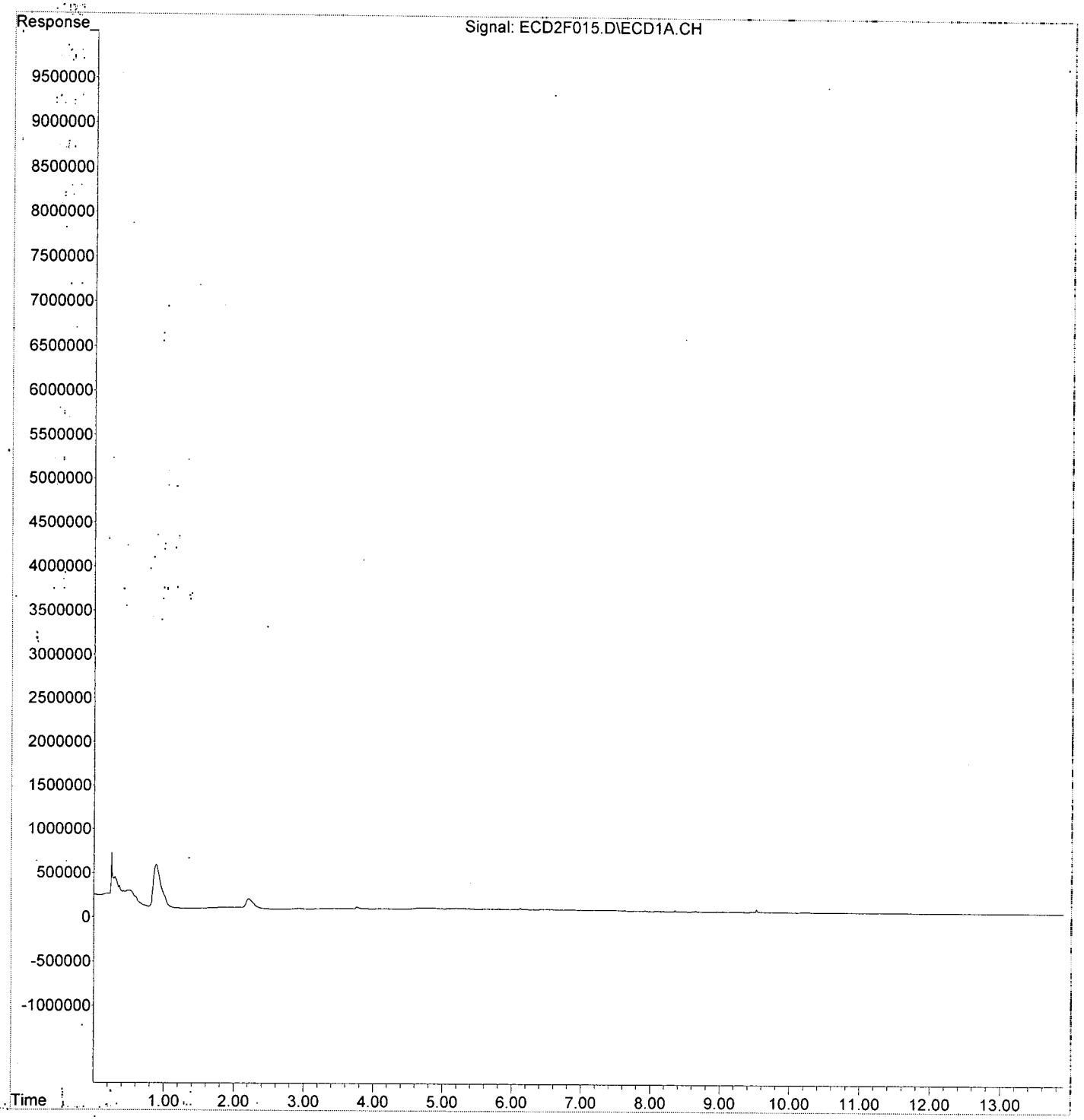
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	7.628	12694	1.181 ng/ml
49)	Aroclor 1262 (2)	7.949	5952	0.388 ng/ml
50)	Aroclor 1262 (3)	8.181	5986	0.469 ng/ml
51)	Aroclor 1262 (4)	8.353	18505	0.654 ng/ml
52)	Aroclor 1262 (5)	8.650	13881	0.768 ng/ml
53)	Aroclor 1262 (6)	9.040	6437	0.711 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.181	5986	0.932 ng/ml
56)	Aroclor 1268 (2)	8.599	4275	0.144 ng/ml
57)	Aroclor 1268 (3)	8.650	13881	0.556 ng/ml
58)	Aroclor 1268 (4)	8.829	1808	0.078 ng/ml
59)	Aroclor 1268 (5)	9.040	6437	0.699 ng/ml
60)	Aroclor 1268 (6)	9.295	4595	0.071 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:50
Operator : MJB / KAK
Sample : 0B18016-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:30:21 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 18-Feb-2020 12:08
Operator : MJB / KAK
Sample : 0B18016-ICV1
Misc : [redacted]
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:30:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20

1016, 1260

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.781	14484361	183.512	ng/ml
62) S	DCBP (S)	9.527	25827201	190.130	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.694	2160933	468.978	ng/ml
3)	Aroclor 1016 (2)	6.106	4384748	498.253	ng/ml
4)	Aroclor 1016 (3)	6.187	2382176	497.661	ng/ml
5)	Aroclor 1016 (4)	6.345	2008839	453.234	ng/ml
6)	Aroclor 1016 (5)	6.567	2445574	478.167	ng/ml
7)	Aroclor 1016 (6)	6.693	1736348	469.706	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.134	210043	154.068	ng/ml
10)	Aroclor 1221 (2)	5.251	229122	248.717	ng/ml
11)	Aroclor 1221 (3)	5.333	1016160	358.167	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.333	1016160	429.510	ng/ml
14)	Aroclor 1232 (2)	6.106	4384748	1222.302	ng/ml
15)	Aroclor 1232 (3)	6.187	2382176	1210.328	ng/ml
16)	Aroclor 1232 (4)	6.345	2008839	1322.176	ng/ml
17)	Aroclor 1232 (5)	6.567	2445574	1266.882	ng/ml
18)	Aroclor 1232 (6)	6.693	1736348	1102.470	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.694	2160933	613.757	ng/ml
21)	Aroclor 1242 (2)	6.106	4384748	611.203	ng/ml
22)	Aroclor 1242 (3)	6.187	2382176	648.053	ng/ml
23)	Aroclor 1242 (4)	6.345	2008839	613.572	ng/ml
24)	Aroclor 1242 (5)	6.567	2445574	596.673	ng/ml
25)	Aroclor 1242 (6)	6.693	1736348	509.500	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.106	4384748	1005.196	ng/ml
28)	Aroclor 1248 (2)	6.345	2008839	352.117	ng/ml
29)	Aroclor 1248 (3)	6.567	2445574	377.725	ng/ml
30)	Aroclor 1248 (4)	6.861	415968	56.562	ng/ml
31)	Aroclor 1248 (5)	6.894	1829426	242.450	ng/ml
32)	Aroclor 1248 (6)	7.381	4081325	994.622	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.894	1829426	206.470	ng/ml
35)	Aroclor 1254 (2)	7.005	2123293	191.596	ng/ml
36)	Aroclor 1254 (3)	7.381	4081325	245.283	ng/ml
37)	Aroclor 1254 (4)	7.541	427251	40.201	ng/ml
38)	Aroclor 1254 (5)	7.921	5870269	506.753	ng/ml
39)	Aroclor 1254 (6)	8.212	612048	164.054	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.493	5617745	552.276	ng/ml
42)	Aroclor 1260 (2)	7.628	6845701	541.497	ng/ml
43)	Aroclor 1260 (3)	8.182	4234804	445.626	ng/ml
44)	Aroclor 1260 (4)	8.353	10430755	463.674	ng/ml
45)	Aroclor 1260 (5)	8.651	6958949	457.871	ng/ml
46)	Aroclor 1260 (6)	9.040	2335422	380.432	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

477.667

473.563

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:08
Operator : MJB / KAK
Sample : 0B18016-ICV1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:30:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

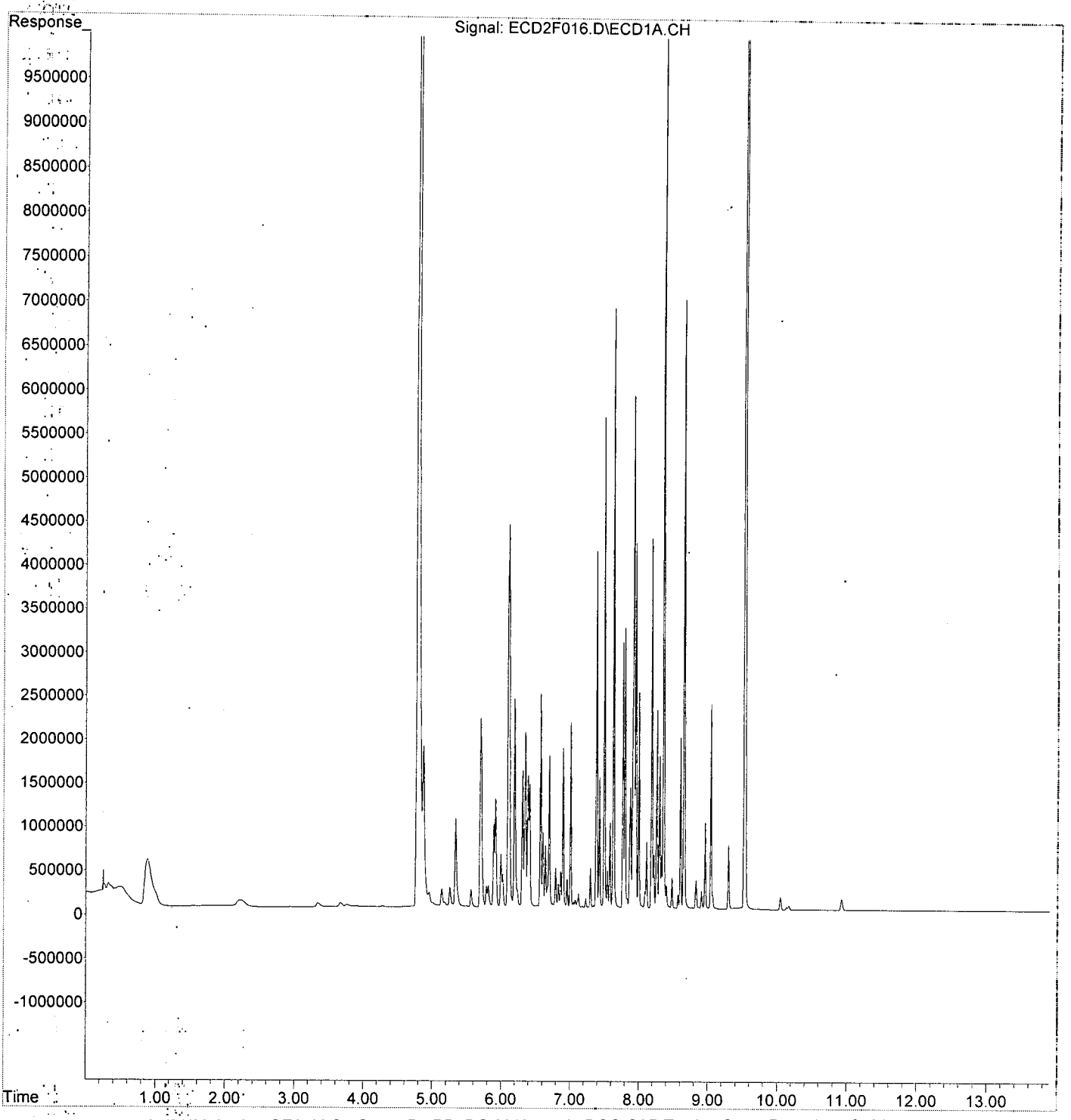
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	7.628	6845701	637.136 ng/ml
49)	Aroclor 1262 (2)	7.951	4180128	272.833 ng/ml
50)	Aroclor 1262 (3)	8.182	4234804	331.733 ng/ml
51)	Aroclor 1262 (4)	8.353	10430755	368.536 ng/ml
52)	Aroclor 1262 (5)	8.651	6958949	385.032 ng/ml
53)	Aroclor 1262 (6)	9.040	2335422	257.922 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.182	4234804	658.991 ng/ml
56)	Aroclor 1268 (2)	8.599	1959249	66.007 ng/ml
57)	Aroclor 1268 (3)	8.651	6958949	278.600 ng/ml
58)	Aroclor 1268 (4)	8.827	328242	14.232 ng/ml
59)	Aroclor 1268 (5)	9.040	2335422	253.573 ng/ml
60)	Aroclor 1268 (6)	9.296	733639	11.311 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:08
Operator : MJB / KAK
Sample : 0B18016-ICV1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:30:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:29
Operator : MJB / KAK
Sample : 0B18016-ICV2
Misc : [redacted]
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.781	3057724	38.740	ng/ml	
62) S	DCBP (S)	9.527	12087020	88.980	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.695	527279	114.433	ng/ml	
3)	Aroclor 1016 (2)	6.103	685397	77.884	ng/ml	
4)	Aroclor 1016 (3)	6.187	406995	85.025	ng/ml	
5)	Aroclor 1016 (4)	6.345	2316513	522.652	ng/ml	
6)	Aroclor 1016 (5)	6.566	1498244	292.942	ng/ml	
7)	Aroclor 1016 (6)	6.692	703553	190.321	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.133	1417248	1039.561	ng/ml	1002.078
10)	Aroclor 1221 (2)	5.250	879183	954.372	ng/ml	
11)	Aroclor 1221 (3)	5.331	2872013	1012.302	ng/ml	
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
13)	Aroclor 1232 (1)	5.331	2872013	1213.941	ng/ml	
14)	Aroclor 1232 (2)	6.103	685397	191.063	ng/ml	
15)	Aroclor 1232 (3)	6.187	406995	206.785	ng/ml	
16)	Aroclor 1232 (4)	6.345	2316513	1524.681	ng/ml	
17)	Aroclor 1232 (5)	6.566	1498244	776.136	ng/ml	
18)	Aroclor 1232 (6)	6.692	703553	446.711	ng/ml	
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
20)	Aroclor 1242 (1)	5.695	527279	149.760	ng/ml	
21)	Aroclor 1242 (2)	6.103	685397	95.539	ng/ml	
22)	Aroclor 1242 (3)	6.187	406995	110.720	ng/ml	
23)	Aroclor 1242 (4)	6.345	2316513	707.547	ng/ml	
24)	Aroclor 1242 (5)	6.566	1498244	365.543	ng/ml	
25)	Aroclor 1242 (6)	6.692	703553	206.445	ng/ml	
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
27)	Aroclor 1248 (1)	6.103	685397	157.126	ng/ml	
28)	Aroclor 1248 (2)	6.345	2316513	406.047	ng/ml	
29)	Aroclor 1248 (3)	6.566	1498244	231.408	ng/ml	
30)	Aroclor 1248 (4)	6.860	2220465	301.930	ng/ml	
31)	Aroclor 1248 (5)	6.893	4340890	575.289	ng/ml	
32)	Aroclor 1248 (6)	7.375	7621181	1857.287	ng/ml	
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
34)	Aroclor 1254 (1)	6.893	4340890	489.915	ng/ml	455.104
35)	Aroclor 1254 (2)	7.004	5027208	453.631	ng/ml	
36)	Aroclor 1254 (3)	7.375	7621181	458.024	ng/ml	
37)	Aroclor 1254 (4)	7.540	4596090	432.458	ng/ml	
38)	Aroclor 1254 (5)	7.920	5205288	449.349	ng/ml	
39)	Aroclor 1254 (6)	8.211	1668574	447.246	ng/ml	
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
41)	Aroclor 1260 (1)	7.493	2890934	284.205	ng/ml	
42)	Aroclor 1260 (2)	7.626	3375381	266.994	ng/ml	
43)	Aroclor 1260 (3)	8.182	441772	46.487	ng/ml	
44)	Aroclor 1260 (4)	8.352	1131045	50.278	ng/ml	
45)	Aroclor 1260 (5)	8.651	941410	61.941	ng/ml	
46)	Aroclor 1260 (6)	9.040	74872	12.196	ng/ml	
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:29
Operator : MJB / KAK
Sample : 0B18016-ICV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

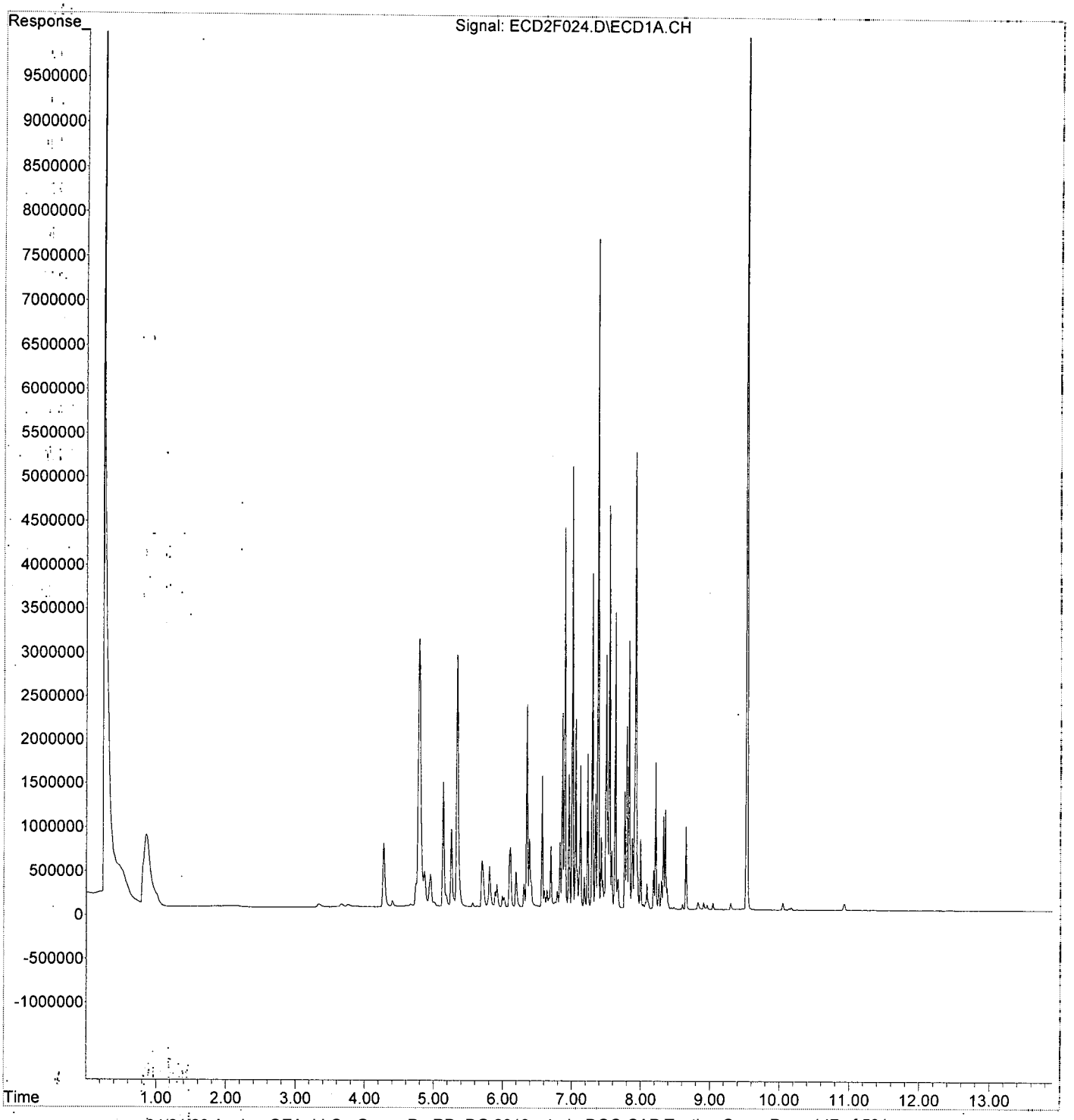
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	7.626	3375381	314.150 ng/ml
49)	Aroclor 1262 (2)	7.920	5205288	339.744 ng/ml
50)	Aroclor 1262 (3)	8.182	441772	34.606 ng/ml
51)	Aroclor 1262 (4)	8.352	1131045	39.962 ng/ml
52)	Aroclor 1262 (5)	8.651	941410	52.087 ng/ml
53)	Aroclor 1262 (6)	9.040	74872	8.269 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.182	441772	68.745 ng/ml
56)	Aroclor 1268 (2)	8.600	59217	1.995 ng/ml
57)	Aroclor 1268 (3)	8.651	941410	37.689 ng/ml
58)	Aroclor 1268 (4)	8.825	78462	3.402 ng/ml
59)	Aroclor 1268 (5)	9.040	74872	8.129 ng/ml
60)	Aroclor 1268 (6)	9.296	71595	1.104 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:29
Operator : MJB / KAK
Sample : 0B18016-ICV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:46
Operator : MJB / KAK
Sample : 0B18016-ICV3
Misc : [redacted]
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20

1232, 1262

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.782	3122493	39.561	ng/ml
62) S	DCBP (S)	9.527	12016074	88.458	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.694	1057601	229.527	ng/ml
3)	Aroclor 1016 (2)	6.106	2040123	231.826	ng/ml
4)	Aroclor 1016 (3)	6.188	1080561	225.740	ng/ml
5)	Aroclor 1016 (4)	6.344	837070	188.860	ng/ml
6)	Aroclor 1016 (5)	6.566	1071991	209.599	ng/ml
7)	Aroclor 1016 (6)	6.692	852022	230.484	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.133	467105	342.625	ng/ml
10)	Aroclor 1221 (2)	5.251	347214	376.908	ng/ml
11)	Aroclor 1221 (3)	5.332	1223841	431.369	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.332	1223841	517.292	ng/ml
14)	Aroclor 1232 (2)	6.106	2040123	568.709	ng/ml
15)	Aroclor 1232 (3)	6.188	1080561	549.008	ng/ml
16)	Aroclor 1232 (4)	6.344	837070	550.942	ng/ml
17)	Aroclor 1232 (5)	6.566	1071991	555.324	ng/ml
18)	Aroclor 1232 (6)	6.692	852022	540.980	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.694	1057601	300.384	ng/ml
21)	Aroclor 1242 (2)	6.106	2040123	284.379	ng/ml
22)	Aroclor 1242 (3)	6.188	1080561	293.958	ng/ml
23)	Aroclor 1242 (4)	6.344	837070	255.672	ng/ml
24)	Aroclor 1242 (5)	6.566	1071991	261.545	ng/ml
25)	Aroclor 1242 (6)	6.692	852022	250.011	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.106	2040123	467.695	ng/ml
28)	Aroclor 1248 (2)	6.344	837070	146.725	ng/ml
29)	Aroclor 1248 (3)	6.566	1071991	165.572	ng/ml
30)	Aroclor 1248 (4)	6.860	1043005	141.824	ng/ml
31)	Aroclor 1248 (5)	6.896	1468828	194.661	ng/ml
32)	Aroclor 1248 (6)	7.381	3539938	862.685	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.896	1468828	165.773	ng/ml
35)	Aroclor 1254 (2)	7.003	1000258	90.258	ng/ml
36)	Aroclor 1254 (3)	7.381	3539938	212.746	ng/ml
37)	Aroclor 1254 (4)	7.541	393777	37.052	ng/ml
38)	Aroclor 1254 (5)	7.920	2656583	229.331	ng/ml
39)	Aroclor 1254 (6)	8.181	6289732	1685.906	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.493	4397367	432.301	ng/ml
42)	Aroclor 1260 (2)	7.627	5332004	421.763	ng/ml
43)	Aroclor 1260 (3)	8.181	6289732	661.865	ng/ml
44)	Aroclor 1260 (4)	8.352	13863012	616.247	ng/ml
45)	Aroclor 1260 (5)	8.650	8535044	561.572	ng/ml
46)	Aroclor 1260 (6)	9.040	4483263	730.307	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

547.043

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:46
Operator : MJB / KAK
Sample : 0B18016-ICV3
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.627	5332004	496.255	ng/ml
49)	Aroclor 1262 (2)	7.950	7443540	485.832	ng/ml
50)	Aroclor 1262 (3)	8.181	6289732	492.705	ng/ml
51)	Aroclor 1262 (4)	8.352	13863012	489.804	ng/ml
52)	Aroclor 1262 (5)	8.650	8535044	472.236	ng/ml
53)	Aroclor 1262 (6)	9.040	4483263	495.127	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.181	6289732	978.764	ng/ml
56)	Aroclor 1268 (2)	8.599	5201742	175.245	ng/ml
57)	Aroclor 1268 (3)	8.650	8535044	341.699	ng/ml
58)	Aroclor 1268 (4)	8.827	411201	17.830	ng/ml
59)	Aroclor 1268 (5)	9.040	4483263	486.780	ng/ml
60)	Aroclor 1268 (6)	9.295	1406322	21.682	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

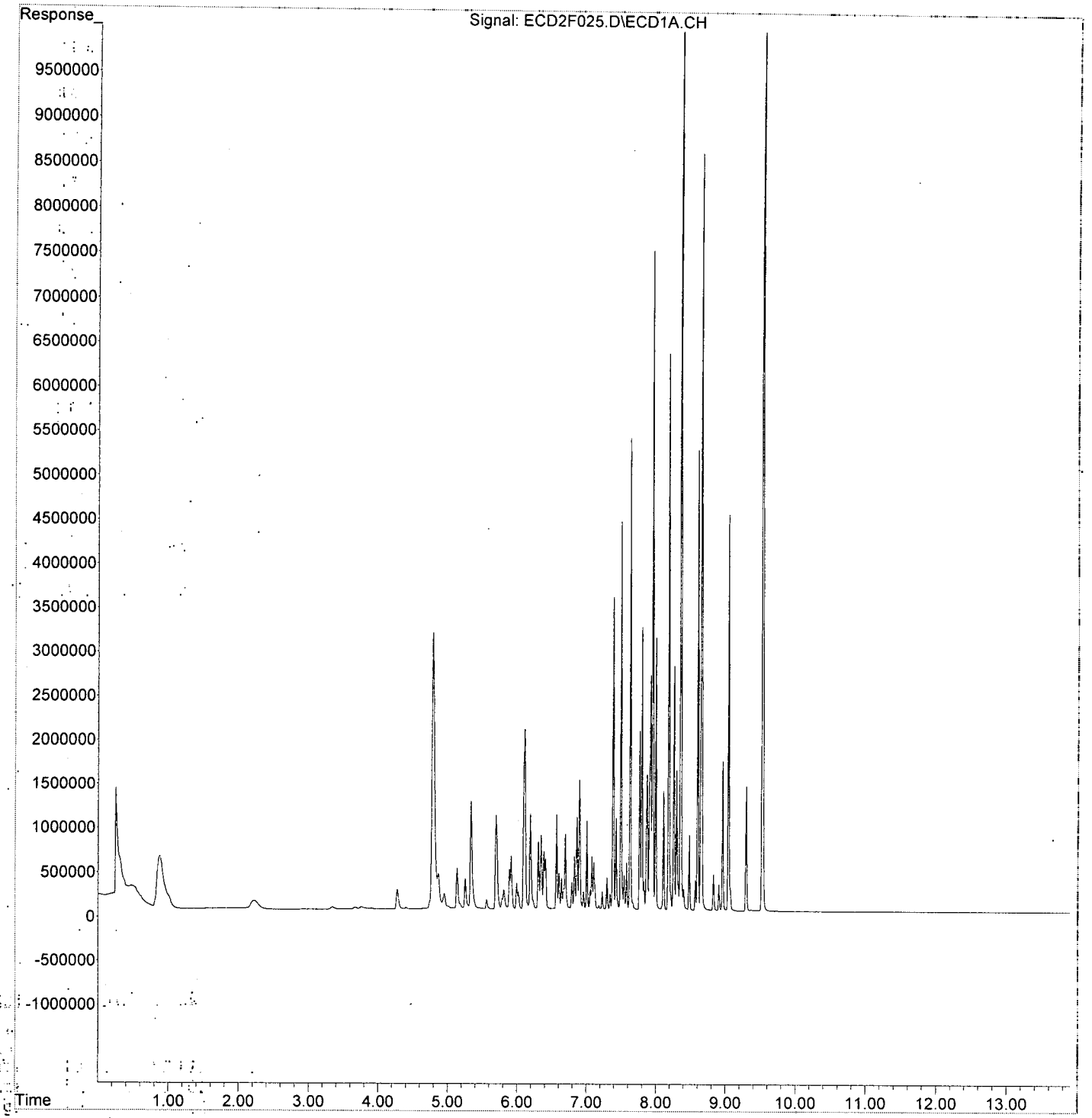
488.660

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F025.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:46
Operator : MJB / KAK
Sample : 0B18016-ICV3
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 15:04
Operator : MJB / KAK
Sample : 0B18016-ICV4
Misc : [redacted]
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20

1242, 1268

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.781	3337421	42.284	ng/ml
62)	S DCBP (S)	9.525	5852470	43.084	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.691	1886881	409.502	ng/ml
3)	Aroclor 1016 (2)	6.103	3851185	437.623	ng/ml
4)	Aroclor 1016 (3)	6.185	1965659	410.646	ng/ml
5)	Aroclor 1016 (4)	6.343	1654034	373.183	ng/ml
6)	Aroclor 1016 (5)	6.564	2176811	425.617	ng/ml
7)	Aroclor 1016 (6)	6.690	1761552	476.524	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.131	190611	139.814	ng/ml
10)	Aroclor 1221 (2)	5.250	208801	226.658	ng/ml
11)	Aroclor 1221 (3)	5.332	903391	318.419	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	5.332	903391	381.845	ng/ml
14)	Aroclor 1232 (2)	6.103	3851185	1073.565	ng/ml
15)	Aroclor 1232 (3)	6.185	1965659	998.705	ng/ml
16)	Aroclor 1232 (4)	6.343	1654034	1088.650	ng/ml
17)	Aroclor 1232 (5)	6.564	2176811	1127.654	ng/ml
18)	Aroclor 1232 (6)	6.690	1761552	1118.473	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	5.691	1886881	535.919	ng/ml
21)	Aroclor 1242 (2)	6.103	3851185	536.828	ng/ml
22)	Aroclor 1242 (3)	6.185	1965659	534.743	ng/ml
23)	Aroclor 1242 (4)	6.343	1654034	505.202	ng/ml
24)	Aroclor 1242 (5)	6.564	2176811	531.100	ng/ml
25)	Aroclor 1242 (6)	6.690	1761552	516.896	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	6.103	3851185	882.878	ng/ml
28)	Aroclor 1248 (2)	6.343	1654034	289.925	ng/ml
29)	Aroclor 1248 (3)	6.564	2176811	336.214	ng/ml
30)	Aroclor 1248 (4)	6.858	2148796	292.185	ng/ml
31)	Aroclor 1248 (5)	6.896	2197932	291.287	ng/ml
32)	Aroclor 1248 (6)	7.372	732428	178.493	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	6.896	2197932	248.060	ng/ml
35)	Aroclor 1254 (2)	7.002	515240	46.493	ng/ml
36)	Aroclor 1254 (3)	7.372	732428	44.018	ng/ml
37)	Aroclor 1254 (4)	7.539	481888	45.342	ng/ml
38)	Aroclor 1254 (5)	7.919	94071	8.121	ng/ml
39)	Aroclor 1254 (6)	8.208	54022	14.480	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	7.513	269213	26.466	ng/ml
42)	Aroclor 1260 (2)	7.625	100723	7.967	ng/ml
43)	Aroclor 1260 (3)	8.172	3212310	338.029	ng/ml
44)	Aroclor 1260 (4)	8.351	1584476	70.434	ng/ml
45)	Aroclor 1260 (5)	8.645	13012949	856.201	ng/ml
46)	Aroclor 1260 (6)	9.038	5170845	842.311	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

526.781

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 15:04
Operator : MJB / KAK
Sample : 0B18016-ICV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.625	100723	9.374	ng/ml
49)	Aroclor 1262 (2)	7.949	2805014	183.080	ng/ml
50)	Aroclor 1262 (3)	8.172	3212310	251.636	ng/ml
51)	Aroclor 1262 (4)	8.351	1584476	55.982	ng/ml
52)	Aroclor 1262 (5)	8.645	13012949	719.994	ng/ml
53)	Aroclor 1262 (6)	9.038	5170845	571.063	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.172	3212310	499.877	ng/ml
56)	Aroclor 1268 (2)	8.598	16232517	546.869	ng/ml
57)	Aroclor 1268 (3)	8.645	13012949	520.971	ng/ml
58)	Aroclor 1268 (4)	8.827	12206627	529.275	ng/ml
59)	Aroclor 1268 (5)	9.038	5170845	561.436	ng/ml
60)	Aroclor 1268 (6)	9.293	33274595	513.018	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

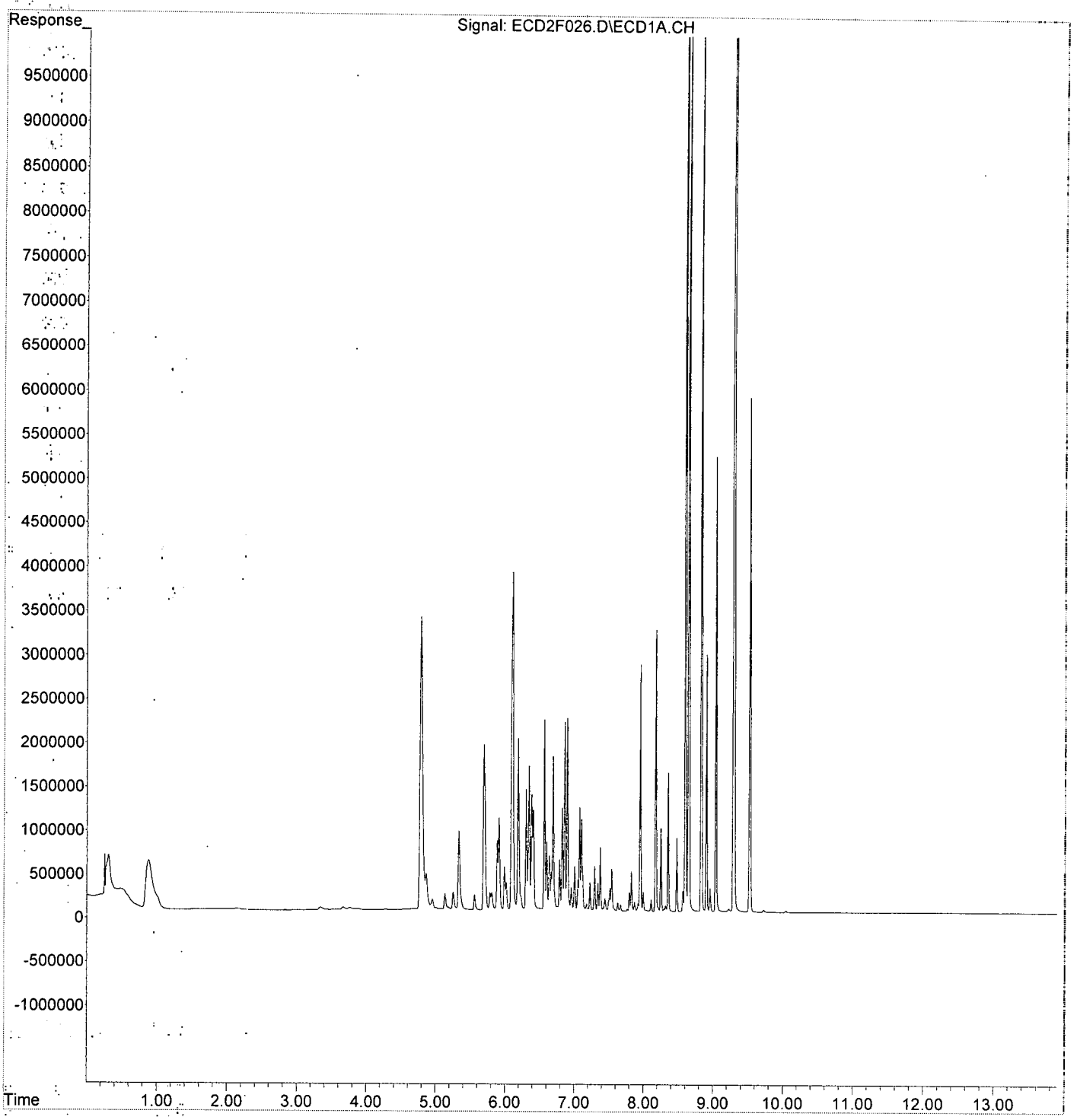
528.57A

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 15:04
Operator : MJB / KAK
Sample : 0B18016-ICV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:31:46 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 15:21
Operator : MJB / KAK
Sample : 0B18016-ICV5
Misc : [redacted]
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:32:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20
1248

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.809	14152	0.179 ng/ml
62) S	DCBP (S)	9.527	4674	0.034 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.691	928522	201.513 ng/ml
3)	Aroclor 1016 (2)	6.101	2056580	233.696 ng/ml
4)	Aroclor 1016 (3)	6.186	1084267	226.514 ng/ml
5)	Aroclor 1016 (4)	6.343	2734323	616.918 ng/ml
6)	Aroclor 1016 (5)	6.565	3304064	646.022 ng/ml
7)	Aroclor 1016 (6)	6.691	2518969	681.416 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.133	23802	17.459 ng/ml
10)	Aroclor 1221 (2)	5.250	28684	31.137 ng/ml
11)	Aroclor 1221 (3)	5.332	100089	35.279 ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13)	Aroclor 1232 (1)	5.332	100089	42.306 ng/ml
14)	Aroclor 1232 (2)	6.101	2056580	573.297 ng/ml
15)	Aroclor 1232 (3)	6.186	1084267	550.890 ng/ml
16)	Aroclor 1232 (4)	6.343	2734323	1799.674 ng/ml
17)	Aroclor 1232 (5)	6.565	3304064	1711.606 ng/ml
18)	Aroclor 1232 (6)	6.691	2518969	1599.385 ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20)	Aroclor 1242 (1)	5.691	928522	263.722 ng/ml
21)	Aroclor 1242 (2)	6.101	2056580	286.673 ng/ml
22)	Aroclor 1242 (3)	6.186	1084267	294.967 ng/ml
23)	Aroclor 1242 (4)	6.343	2734323	835.161 ng/ml
24)	Aroclor 1242 (5)	6.565	3304064	806.129 ng/ml
25)	Aroclor 1242 (6)	6.691	2518969	739.147 ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27)	Aroclor 1248 (1)	6.101	2056580	471.468 ng/ml
28)	Aroclor 1248 (2)	6.343	2734323	479.282 ng/ml
29)	Aroclor 1248 (3)	6.565	3304064	510.321 ng/ml
30)	Aroclor 1248 (4)	6.859	3799159	516.595 ng/ml
31)	Aroclor 1248 (5)	6.897	3781177	501.112 ng/ml
32)	Aroclor 1248 (6)	7.373	2158452	526.016 ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34)	Aroclor 1254 (1)	6.897	3781177	426.746 ng/ml
35)	Aroclor 1254 (2)	7.003	1388405	125.283 ng/ml
36)	Aroclor 1254 (3)	7.373	2158452	129.721 ng/ml
37)	Aroclor 1254 (4)	7.540	1460088	137.384 ng/ml
38)	Aroclor 1254 (5)	7.919	344177	29.711 ng/ml
39)	Aroclor 1254 (6)	8.211	135841	36.411 ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41)	Aroclor 1260 (1)	7.514	707301	69.534 ng/ml
42)	Aroclor 1260 (2)	7.626	224835	17.785 ng/ml
43)	Aroclor 1260 (3)	8.181	39166	4.121 ng/ml
44)	Aroclor 1260 (4)	8.352	87302	3.881 ng/ml
45)	Aroclor 1260 (5)	8.650	68774	4.525 ng/ml
46)	Aroclor 1260 (6)	9.039	20997	3.420 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

500.799

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 15:21
Operator : MJB / KAK
Sample : 0B18016-ICV5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:32:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

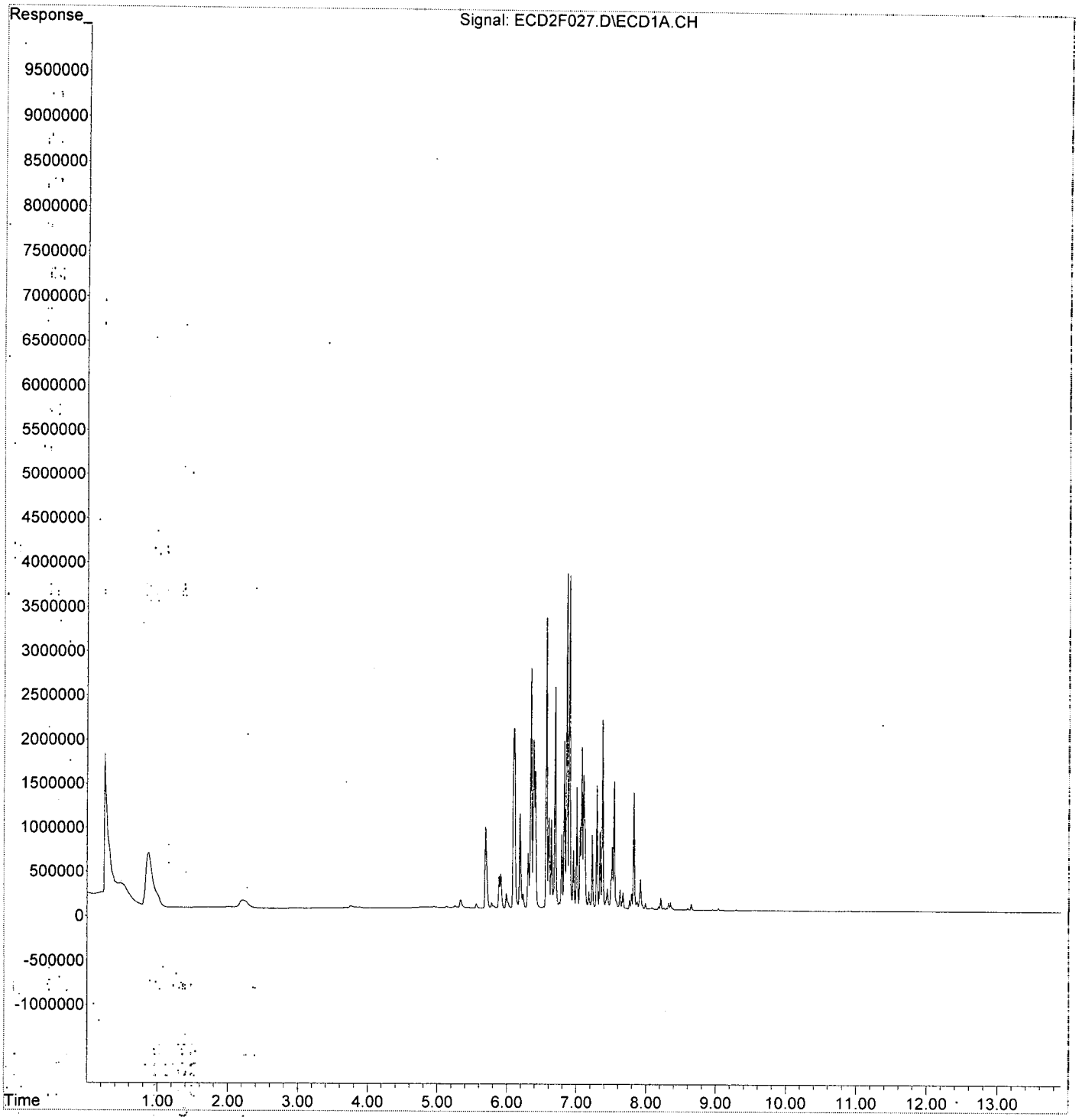
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	7.626	224835	20.926 ng/ml
49)	Aroclor 1262 (2)	7.919	344177	22.464 ng/ml
50)	Aroclor 1262 (3)	8.181	39166	3.068 ng/ml
51)	Aroclor 1262 (4)	8.352	87302	3.085 ng/ml
52)	Aroclor 1262 (5)	8.650	68774	3.805 ng/ml
53)	Aroclor 1262 (6)	9.039	20997	2.319 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.181	39166	6.095 ng/ml
56)	Aroclor 1268 (2)	8.599	22517	0.759 ng/ml
57)	Aroclor 1268 (3)	8.650	68774	2.753 ng/ml
58)	Aroclor 1268 (4)	8.825	6262	0.271 ng/ml
59)	Aroclor 1268 (5)	9.039	20997	2.280 ng/ml
60)	Aroclor 1268 (6)	9.294	11043	0.170 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

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

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F027.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 15:21
Operator : MJB / KAK
Sample : 0B18016-ICV5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:32:07 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:47
Operator : MJB / KAK
Sample : 0B18016-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:15:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.790	735047	9.313	ng/ml
62)	S DCBP (S)	9.532	1374925	10.122	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.698	114423	24.833	ng/ml
3)	Aroclor 1016 (2)	6.112	195162	22.177	ng/ml
4)	Aroclor 1016 (3)	6.194	109732	22.924	ng/ml
5)	Aroclor 1016 (4)	6.349	108700	24.525	ng/ml
6)	Aroclor 1016 (5)	6.571	124511	24.345	ng/ml
7)	Aroclor 1016 (6)	6.698	90576	24.502	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.498	233755	22.980	ng/ml
42)	Aroclor 1260 (2)	7.631	289475	22.898	ng/ml
43)	Aroclor 1260 (3)	8.186	218521	22.995	ng/ml
44)	Aroclor 1260 (4)	8.357	475536	21.139	ng/ml
45)	Aroclor 1260 (5)	8.656	327005	21.516	ng/ml
46)	Aroclor 1260 (6)	9.045	140639	22.910	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:47
Operator : MJB / KAK
Sample : 0B18016-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:15:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

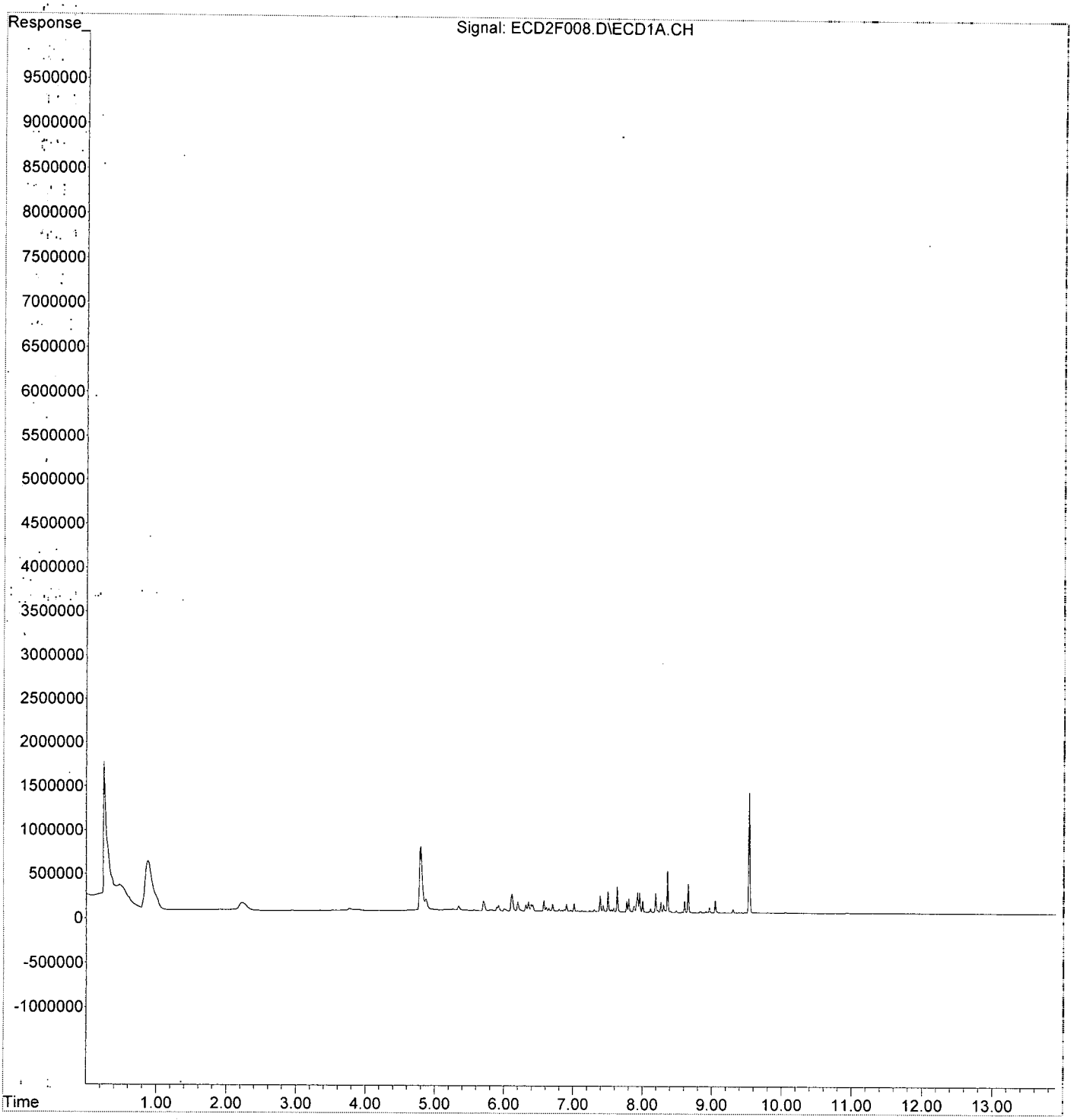
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:47
Operator : MJB / KAK
Sample : 0B18016-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:15:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:04
Operator : MJB / KAK
Sample : 0B18016-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:15:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds						
1) S	TCMX (S)	4.782	1907894	24.172	ng/ml	✓
62) S	DCBP (S)	9.526	3331882	24.528	ng/ml	✓
Target Compounds						
2)	Aroclor 1016 (1)	5.693	258248	56.046	ng/ml	
3)	Aroclor 1016 (2)	6.105	455008	51.704	ng/ml	
4)	Aroclor 1016 (3)	6.188	258433	53.989	ng/ml	✓
5)	Aroclor 1016 (4)	6.344	241632	54.517	ng/ml	
6)	Aroclor 1016 (5)	6.566	280414	54.828	ng/ml	
7)	Aroclor 1016 (6)	6.692	197133	53.327	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
41)	Aroclor 1260 (1)	7.493	533393	52.437	ng/ml	
42)	Aroclor 1260 (2)	7.627	658887	52.118	ng/ml	
43)	Aroclor 1260 (3)	8.182	493633	51.945	ng/ml	
44)	Aroclor 1260 (4)	8.353	1161834	51.647	ng/ml	✓
45)	Aroclor 1260 (5)	8.651	787003	51.782	ng/ml	
46)	Aroclor 1260 (6)	9.039	310348	50.554	ng/ml	
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:04
Operator : MJB / KAK
Sample : 0B18016-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:15:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

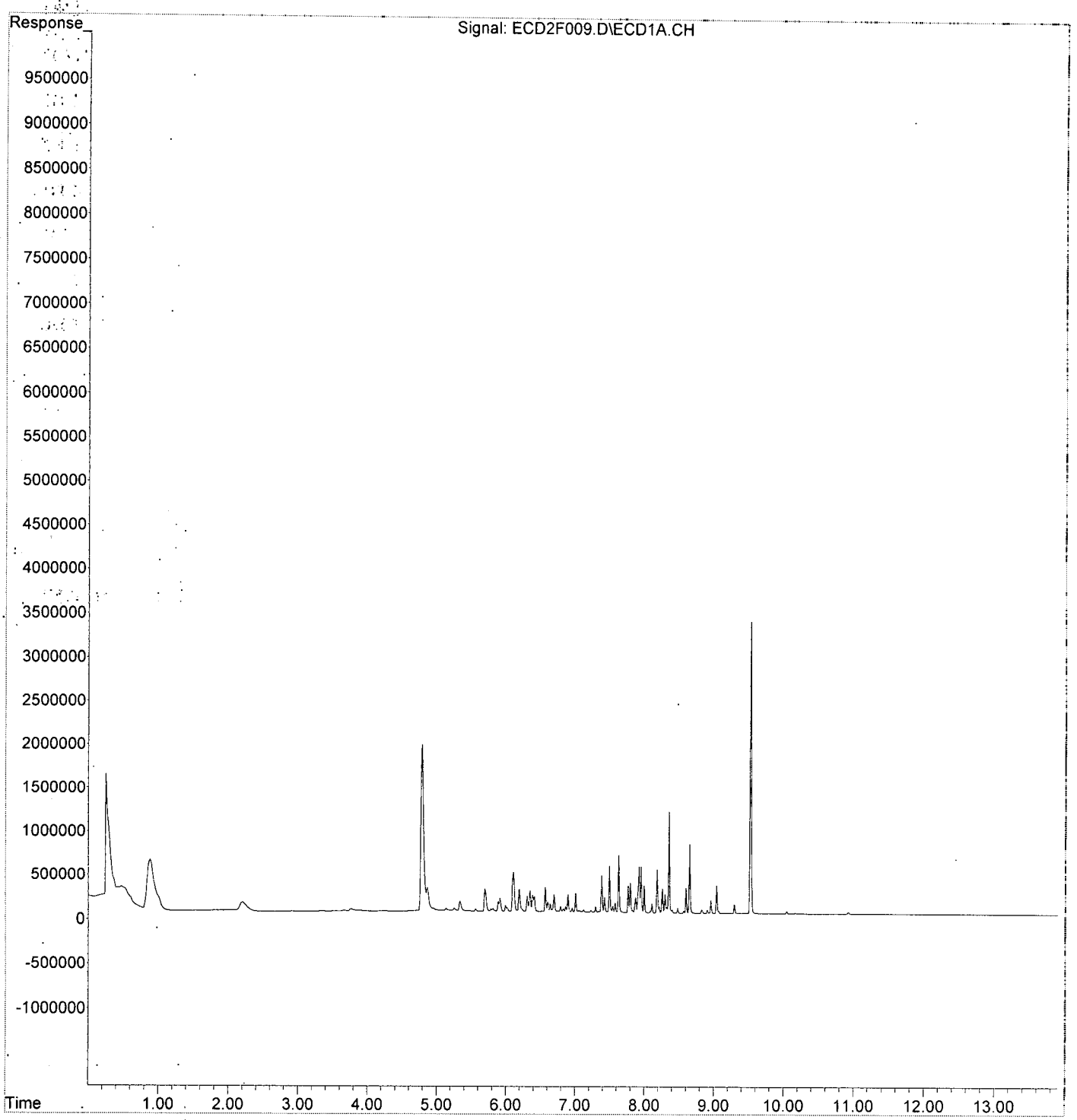
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:04
Operator : MJB / KAK
Sample : 0B18016-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:15:43 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:22
Operator : MJB / KAK
Sample : 0B18016-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:16:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.784	3742921	47.421	ng/ml
62)	S DCBP (S)	9.527	6837726	50.337	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.693	448508	97.338	ng/ml
3)	Aroclor 1016 (2)	6.106	874510	99.373	ng/ml
4)	Aroclor 1016 (3)	6.187	461765	96.467	ng/ml
5)	Aroclor 1016 (4)	6.344	461493	104.122	ng/ml
6)	Aroclor 1016 (5)	6.566	506592	99.051	ng/ml
7)	Aroclor 1016 (6)	6.692	370235	100.154	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.493	1031700	101.426	ng/ml
42)	Aroclor 1260 (2)	7.627	1208568	95.598	ng/ml
43)	Aroclor 1260 (3)	8.181	967418	101.801	ng/ml
44)	Aroclor 1260 (4)	8.352	2169781	96.452	ng/ml
45)	Aroclor 1260 (5)	8.650	1504417	98.985	ng/ml
46)	Aroclor 1260 (6)	9.040	610990	99.528	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 18-Feb 2020 10:22
Operator : MJB / KAK
Sample : 0B18016-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:16:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

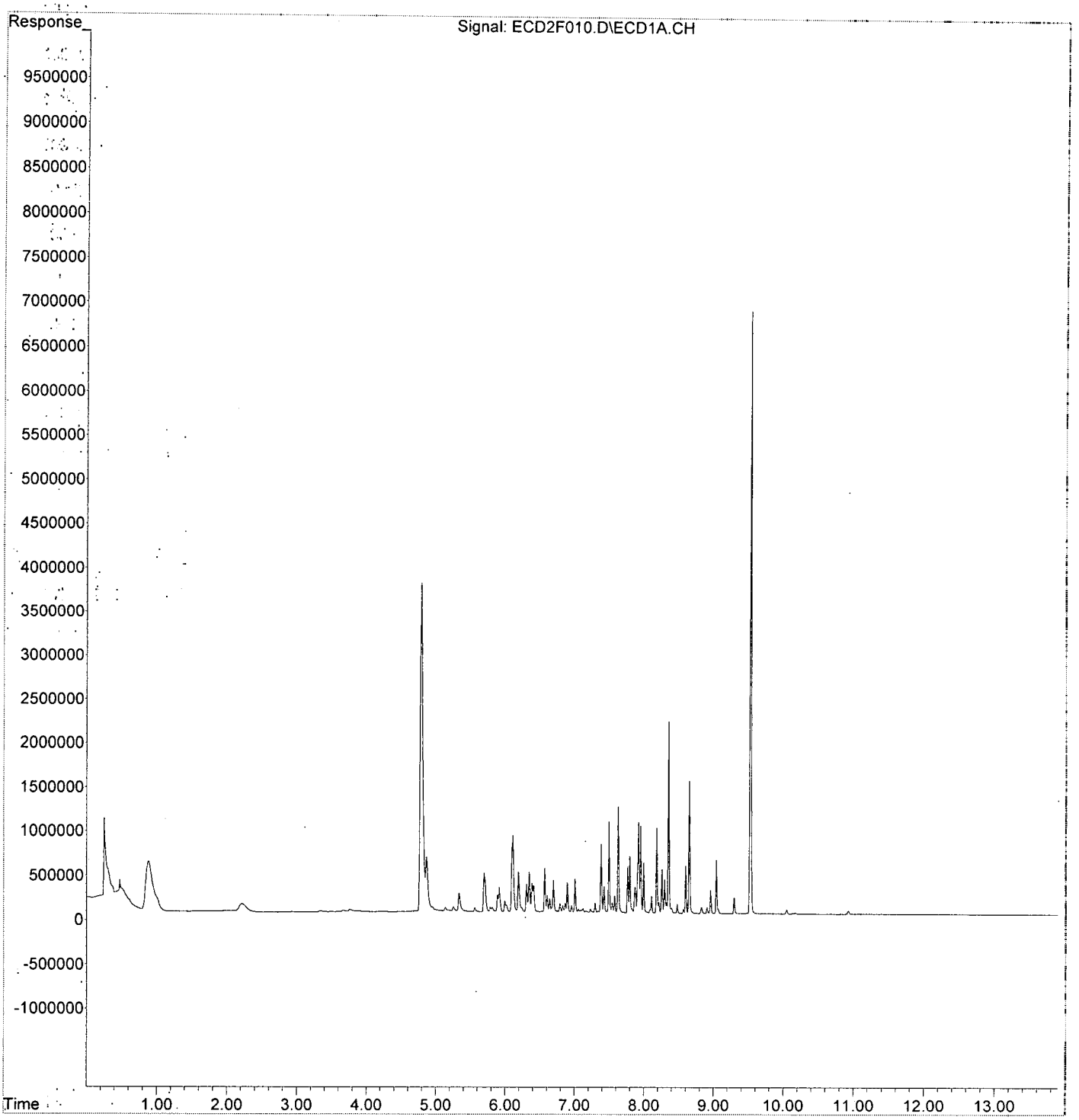
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:22
Operator : MJB / KAK
Sample : 0B18016-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:16:10 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:40
Operator : MJB / KAK
Sample : 0B18016-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:16:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.781	7955297	100.791	ng/ml
62)	S DCBP (S)	9.528	13652665	100.506	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.693	880891	191.176	ng/ml
3)	Aroclor 1016 (2)	6.105	1702544	193.466	ng/ml
4)	Aroclor 1016 (3)	6.187	932254	194.757	ng/ml
5)	Aroclor 1016 (4)	6.344	834830	188.354	ng/ml
6)	Aroclor 1016 (5)	6.566	1008063	197.100	ng/ml
7)	Aroclor 1016 (6)	6.693	725904	196.367	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.494	2053158	201.844	ng/ml
42)	Aroclor 1260 (2)	7.627	2559676	202.471	ng/ml
43)	Aroclor 1260 (3)	8.183	1795515	188.941	ng/ml
44)	Aroclor 1260 (4)	8.353	4490801	199.628	ng/ml
45)	Aroclor 1260 (5)	8.651	3066068	201.735	ng/ml
46)	Aroclor 1260 (6)	9.040	1206819	196.586	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:40
Operator : MJB / KAK
Sample : 0B18016-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:16:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

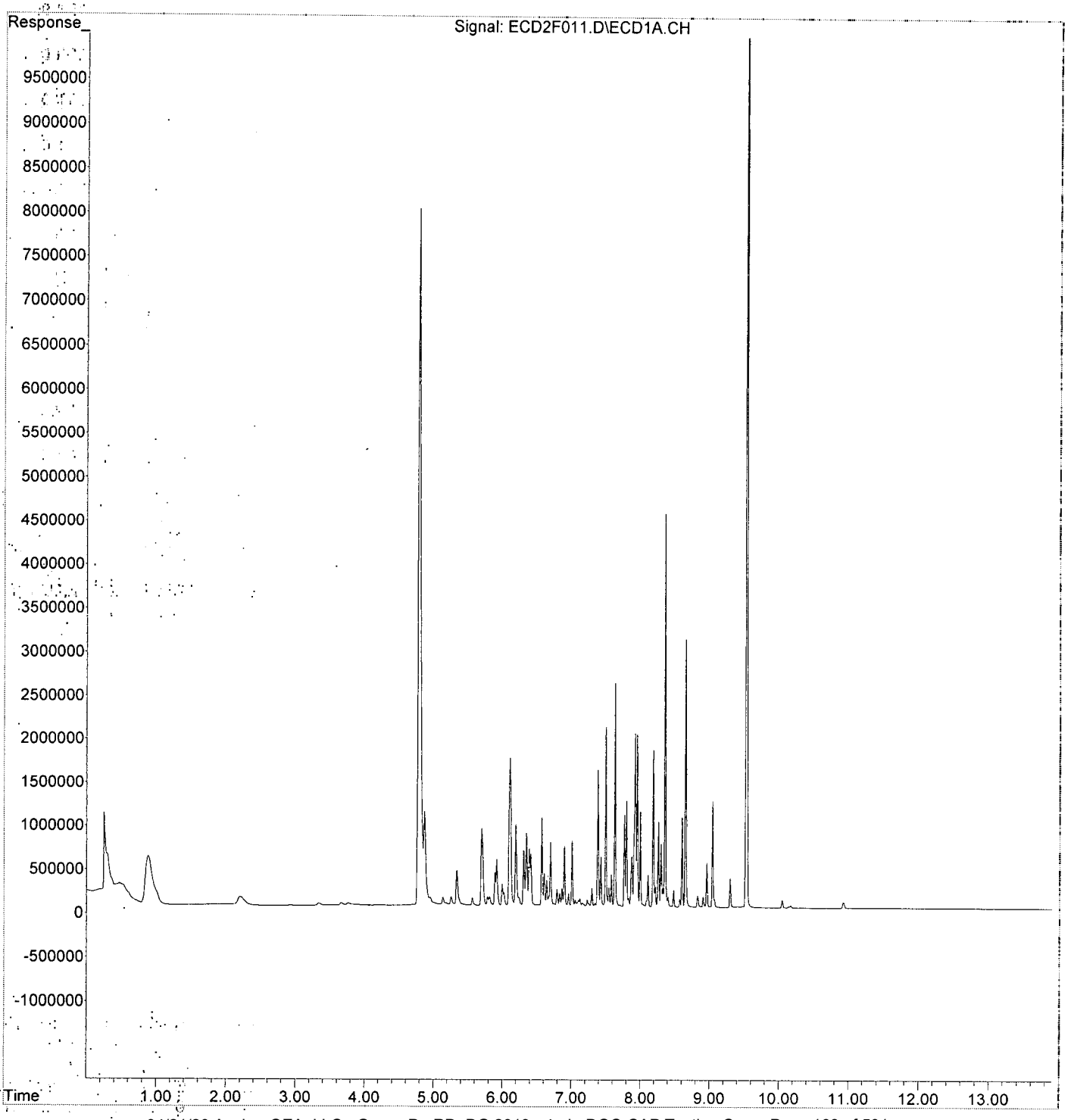
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:40
Operator : MJB / KAK
Sample : 0B18016-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:16:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:57
Operator : MJB / KAK
Sample : 0B18016-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:25:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.780	18620641	235.917	ng/ml
62) S	DCBP (S)	9.527	32330296	238.003	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.692	2142875	465.059	ng/ml
3)	Aroclor 1016 (2)	6.105	4244215	482.284	ng/ml
4)	Aroclor 1016 (3)	6.186	2286878	477.752	ng/ml
5)	Aroclor 1016 (4)	6.344	2037988	459.811	ng/ml
6)	Aroclor 1016 (5)	6.566	2365422	462.495	ng/ml
7)	Aroclor 1016 (6)	6.692	1763397	477.023	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.492	4797117	471.600	ng/ml
42)	Aroclor 1260 (2)	7.626	5959812	471.423	ng/ml
43)	Aroclor 1260 (3)	8.181	4639944	488.259	ng/ml
44)	Aroclor 1260 (4)	8.352	11348630	504.476	ng/ml
45)	Aroclor 1260 (5)	8.649	7377000	485.377	ng/ml
46)	Aroclor 1260 (6)	9.039	2958395	481.911	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:57
Operator : MJB / KAK
Sample : 0B18016-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:25:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

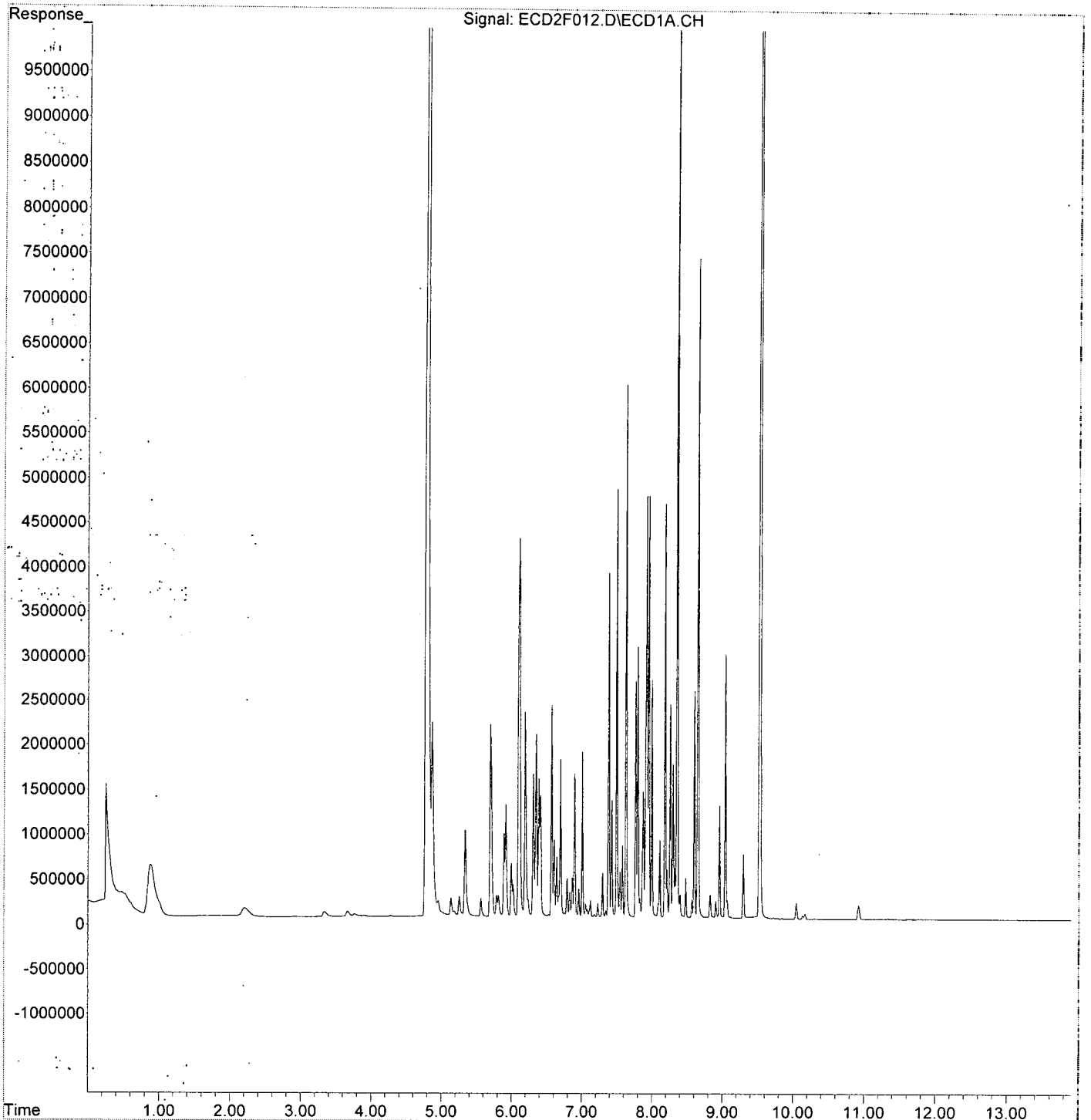
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:57
Operator : MJB / KAK
Sample : 0B18016-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:25:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:15
Operator : MJB / KAK
Sample : 0B18016-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:17:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.779	43144107	546.620	ng/ml
62)	S DCBP (S)	9.528	68241993	502.371	ng/ml ✓
	Target Compounds				
2)	Aroclor 1016 (1)	5.692	4174752	906.029	ng/ml
3)	Aroclor 1016 (2)	6.106	8442266	959.322	ng/ml
4)	Aroclor 1016 (3)	6.186	4576954	956.173	ng/ml
5)	Aroclor 1016 (4)	6.343	3930132	886.716	ng/ml ✓
6)	Aroclor 1016 (5)	6.566	4405368	861.352	ng/ml
7)	Aroclor 1016 (6)	6.692	3181732	860.702	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.493	9172675	901.758	ng/ml
42)	Aroclor 1260 (2)	7.627	11766076	930.700	ng/ml
43)	Aroclor 1260 (3)	8.183	8969606	943.866	ng/ml
44)	Aroclor 1260 (4)	8.353	21418035	952.088	ng/ml ✓
45)	Aroclor 1260 (5)	8.651	14311647	941.650	ng/ml
46)	Aroclor 1260 (6)	9.039	5645108	919.567	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:15
Operator : MJB / KAK
Sample : 0B18016-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:17:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

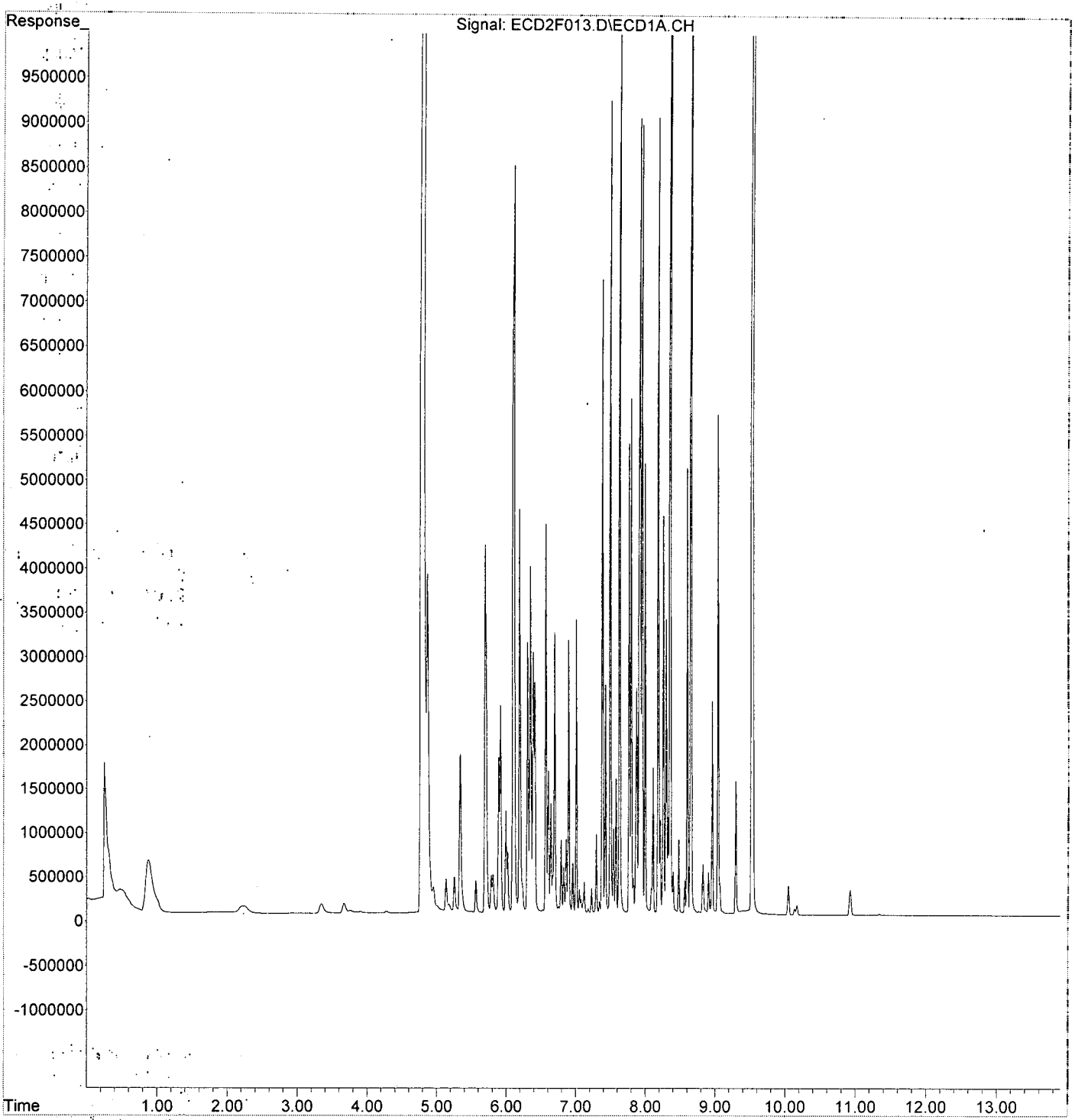
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:15
Operator : MJB / KAK
Sample : 0B18016-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:17:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:32
Operator : MJB / KAK
Sample : 0B18016-CAL7
Misc
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:18:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.781	69999506	886.868	ng/ml ✓
62)	S DCBP (S)	9.529	112820430	830.539	ng/ml ✓
	Target Compounds				
2)	Aroclor 1016 (1)	5.694	6027112	1308.039	ng/ml
3)	Aroclor 1016 (2)	6.105	12832323	1458.179	ng/ml
4)	Aroclor 1016 (3)	6.187	6633473	1385.801	ng/ml ✓
5)	Aroclor 1016 (4)	6.344	5944203	1341.131	ng/ml
6)	Aroclor 1016 (5)	6.566	7087609	1385.793	ng/ml
7)	Aroclor 1016 (6)	6.692	5047266	1365.355	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.494	14247948	1400.704	ng/ml
42)	Aroclor 1260 (2)	7.627	18410958	1456.313	ng/ml
43)	Aroclor 1260 (3)	8.182	13232054	1392.401	ng/ml ✓
44)	Aroclor 1260 (4)	8.353	33285610	1479.633	ng/ml
45)	Aroclor 1260 (5)	8.651	22288379	1466.487	ng/ml
46)	Aroclor 1260 (6)	9.039	9041001	1472.745	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:32
Operator : MJB / KAK
Sample : 0B18016-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:18:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

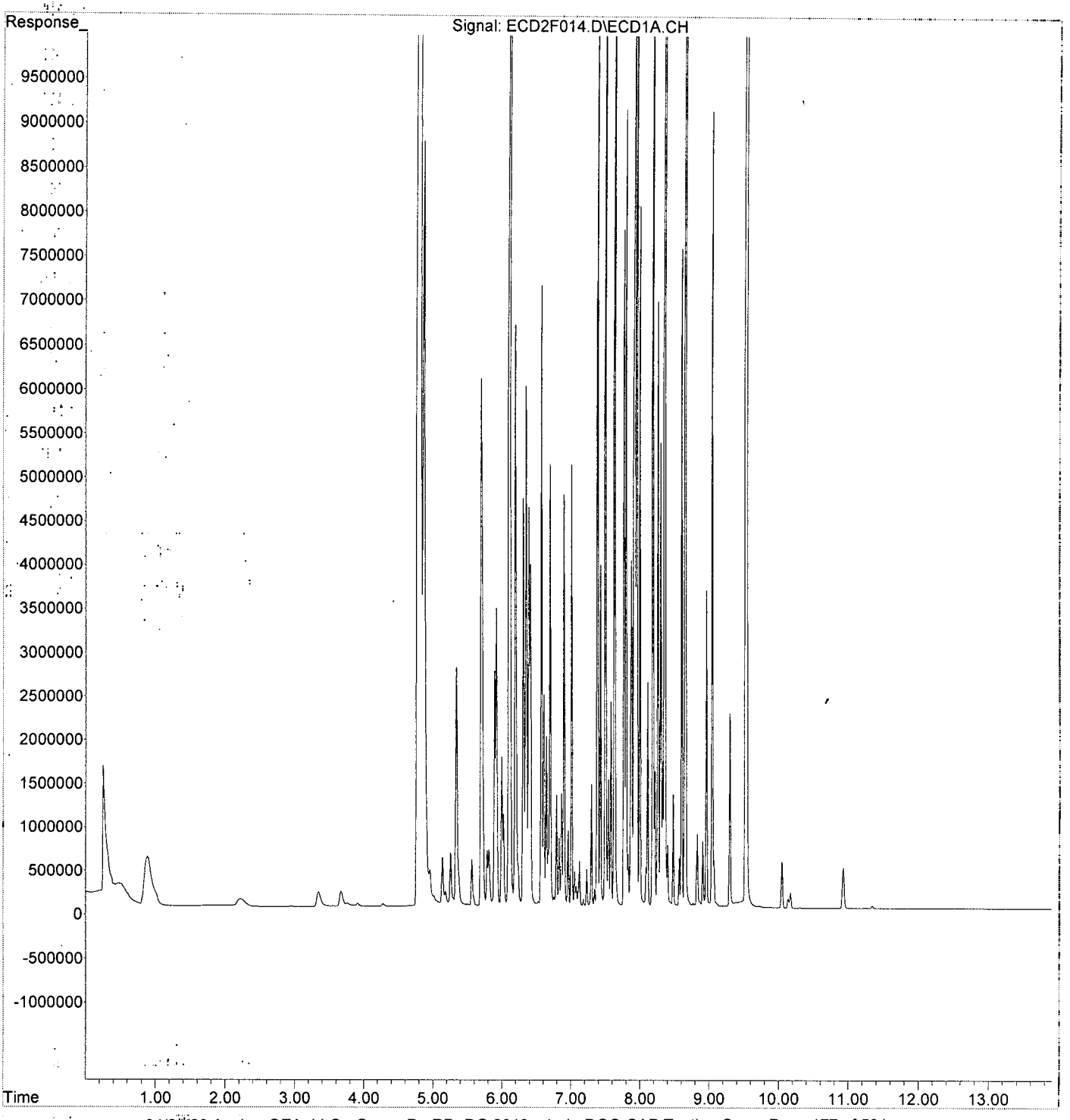
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\Requant\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:32
Operator : MJB / KAK
Sample : 0B18016-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:18:28 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:08:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Sequence: C:\HPCHEM\2\SEQUENCE\0B18016.S

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Hexane	E2A21015	1	Sample		
2	Vial 1	Hexane	E2A21015	1	Sample		
3	Vial 2	0B18016-CCV1	E2A21015	1	Sample		
4	Vial 3	0B18016-CCB1	E2A21015	1	Sample		
5	Vial 1	Hexane	E2A21015	1	Sample		
6	Vial 2	0B18016-CCV2	E2A21015	1	Sample		
7	Vial 3	0B18016-~~CCB2~~ ICB1	E2A21015	1	Sample		
8	Vial 4	0B18016-CAL1	E2A21015	1	Sample		
9	Vial 5	0B18016-CAL2	E2A21015	1	Sample		
10	Vial 6	0B18016-CAL3	E2A21015	1	Sample		
11	Vial 7	0B18016-CAL4	E2A21015	1	Sample		
12	Vial 8	0B18016-CAL5	E2A21015	1	Sample		
13	Vial 9	0B18016-CAL6	E2A21015	1	Sample		
14	Vial 10	0B18016-CAL7	E2A21015	1	Sample		
15	Vial 1	0B18016-IBL1	E2A21015	1	Sample		
16	Vial 11	0B18016-ICV1	E2A21015	1	Sample		
17	Vial 12	0B18016-CAL8	E2A21015	1	Sample		
18	Vial 13	0B18016-CAL9	E2A21015	1	Sample		
19	Vial 14	0B18016-CALA	E2A21015	1	Sample		
20	Vial 15	0B18016-CALB	E2A21015	1	Sample		
21	Vial 16	0B18016-CALC	E2A21015	1	Sample		
22	Vial 17	0B18016-CALD	E2A21015	1	Sample		
23	Vial 18	0B18016-CALE	E2A21015	1	Sample		
24	Vial 19	0B18016-ICV2	E2A21015	1	Sample		
25	Vial 20	0B18016-ICV3	E2A21015	1	Sample		
26	Vial 21	0B18016-ICV4	E2A21015	1	Sample		
27	Vial 22	0B18016-ICV5	E2A21015	1	Sample		
28	Vial 1	Hexane	E2A21015	1	Sample		
29	Vial 1	Hexane	E2A21015	1	Sample		
30	Vial 1	Hexane	E2A21015	1	Sample		

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Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Hexane	E2A21015	1	Sample		
2	Vial 51	Hexane	E2A21015	1	Sample		
3	Vial 52	0B18017-CCV1	E2A21015	1	Sample		
4	Vial 53	0B18017-CCB1	E2A21015	1	Sample		
5	Vial 54	0020441-BLK1	E2A21015	1	Sample		
6	Vial 55	0020441-BS1	E2A21015	1	Sample		
7	Vial 56	A0B0357-13	E2A21015	1	Sample		
8	Vial 51	0B18017-IBL1	E2A21015	1	Sample		
9	Vial 57	0020441-DUP1	E2A21015	1	Sample		
10	Vial 51	0B18017-IBL2	E2A21015	1	Sample		
11	Vial 58	A0B0357-14	E2A21015	1	Sample		
12	Vial 51	0B18017-IBL3	E2A21015	1	Sample		
13	Vial 59	A0B0373-01	E2A21015	1	Sample		
14	Vial 51	0B18017-IBL4	E2A21015	1	Sample		
15	Vial 52	0B18017-CCV2	E2A21015	1	Sample		
16	Vial 53	0B18017-CCB2	E2A21015	1	Sample		
17	Vial 60	A0B0359-01	E2A21015	1	Sample		
18	Vial 51	0B18017-IBL5	E2A21015	1	Sample		
19	Vial 61	A0B0359-02	E2A21015	1	Sample		
20	Vial 51	0B18017-IBL6	E2A21015	1	Sample		

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:47
Operator : MJB / KAK
Sample : 0B18016-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:42:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.790	735047	11.039	ng/ml
62) S	DCBP (S)	9.532	1374925	12.312	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.698	114423	30.611	ng/ml
3)	Aroclor 1016 (2)	6.112	195162	27.129	ng/ml
4)	Aroclor 1016 (3)	6.194	109732	27.620	ng/ml
5)	Aroclor 1016 (4)	6.349	108700	30.386	ng/ml
6)	Aroclor 1016 (5)	6.571	124511	29.992	ng/ml
7)	Aroclor 1016 (6)	6.698	90576	30.879	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.498	233755	28.069	ng/ml
42)	Aroclor 1260 (2)	7.631	289475	28.373	ng/ml
43)	Aroclor 1260 (3)	8.186	218521	27.783	ng/ml
44)	Aroclor 1260 (4)	8.357	475536	25.541	ng/ml
45)	Aroclor 1260 (5)	8.656	327005	27.034	ng/ml
46)	Aroclor 1260 (6)	9.045	140639	27.498	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:47
Operator : MJB / KAK
Sample : 0B18016-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:42:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

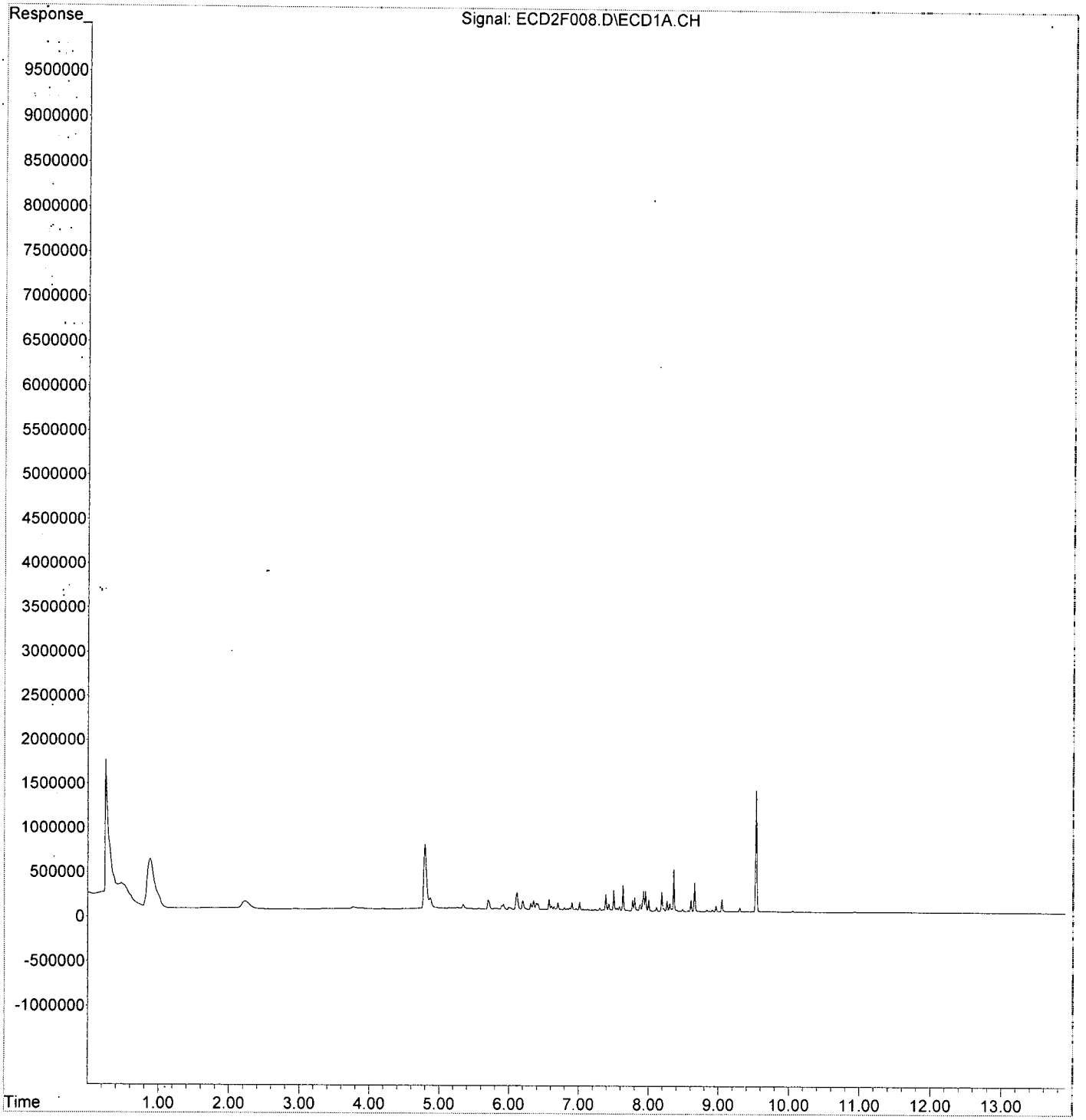
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 9:47
Operator : MJB / KAK
Sample : 0B18016-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:42:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:04
Operator : MJB / KAK
Sample : 0B18016-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:44:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.782	1907894	28.652 ng/ml
62) S	DCBP (S)	9.526	3331882	29.835 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.693	258248	69.088 ng/ml
3)	Aroclor 1016 (2)	6.105	455008	63.249 ng/ml
4)	Aroclor 1016 (3)	6.188	258433	65.049 ng/ml
5)	Aroclor 1016 (4)	6.344	241632	67.545 ng/ml
6)	Aroclor 1016 (5)	6.566	280414	67.546 ng/ml
7)	Aroclor 1016 (6)	6.692	197133	67.207 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D. ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D. ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D. ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D. ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D. ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D. ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D. ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D. ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D. ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D. ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D. ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D. ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D. ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D. ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D. ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D. ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D. ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D. ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D. ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D. ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D. ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D. ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D. ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D. ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D. ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D. ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D. ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/mld
41)	Aroclor 1260 (1)	7.493	533393	64.050 ng/ml
42)	Aroclor 1260 (2)	7.627	658887	64.582 ng/ml
43)	Aroclor 1260 (3)	8.182	493633	62.762 ng/ml
44)	Aroclor 1260 (4)	8.353	1161834	62.402 ng/ml
45)	Aroclor 1260 (5)	8.651	787003	65.063 ng/ml
46)	Aroclor 1260 (6)	9.039	310348	60.679 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:04
Operator : MJB / KAK
Sample : 0B18016-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:44:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

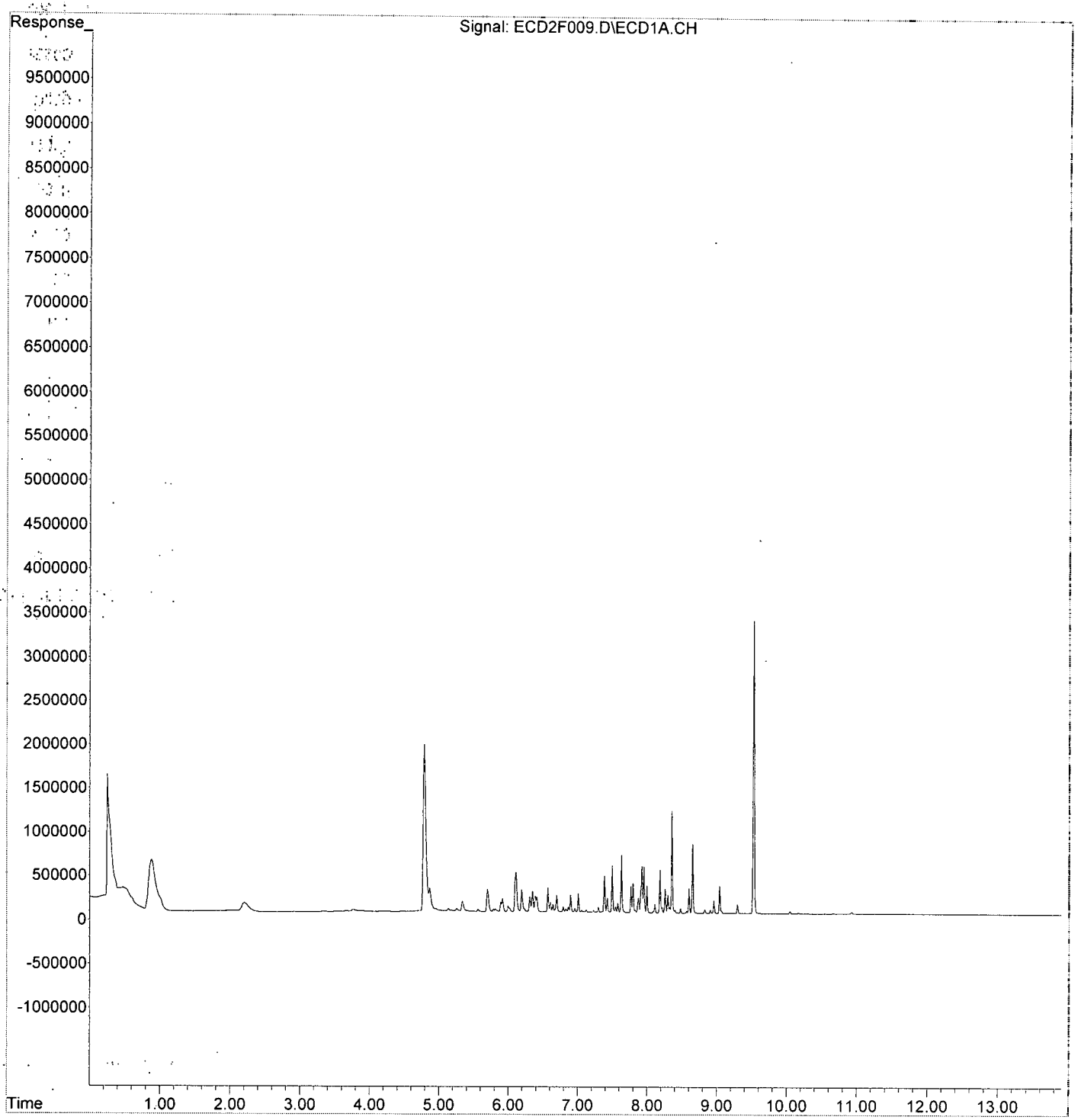
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:04
Operator : MJB / KAK
Sample : 0B18016-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:44:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:22
Operator : MJB / KAK
Sample : 0B18016-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:46:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S TCMX (S)	4.784	3742921	56.210 ng/ml
62)	S DCBP (S)	9.527	6837726	61.229 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.693	448508	119.988 ng/ml
3)	Aroclor 1016 (2)	6.106	874510	121.563 ng/ml
4)	Aroclor 1016 (3)	6.187	461765	116.228 ng/ml
5)	Aroclor 1016 (4)	6.344	461493	129.004 ng/ml
6)	Aroclor 1016 (5)	6.566	506592	122.027 ng/ml
7)	Aroclor 1016 (6)	6.692	370235	126.221 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D. ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D. ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D. ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D. ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D. ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D. ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D. ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D. ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D. ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D. ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D. ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D. ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D. ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D. ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D. ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D. ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D. ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D. ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D. ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D. ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D. ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D. ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D. ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D. ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D. ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D. ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D. ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/mld
41)	Aroclor 1260 (1)	7.493	1031700	123.886 ng/ml
42)	Aroclor 1260 (2)	7.627	1208568	118.459 ng/ml
43)	Aroclor 1260 (3)	8.181	967418	123.000 ng/ml
44)	Aroclor 1260 (4)	8.352	2169781	116.539 ng/ml
45)	Aroclor 1260 (5)	8.650	1504417	124.373 ng/ml
46)	Aroclor 1260 (6)	9.040	610990	119.460 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/mld

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:22
Operator : MJB / KAK
Sample : 0B18016-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:46:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

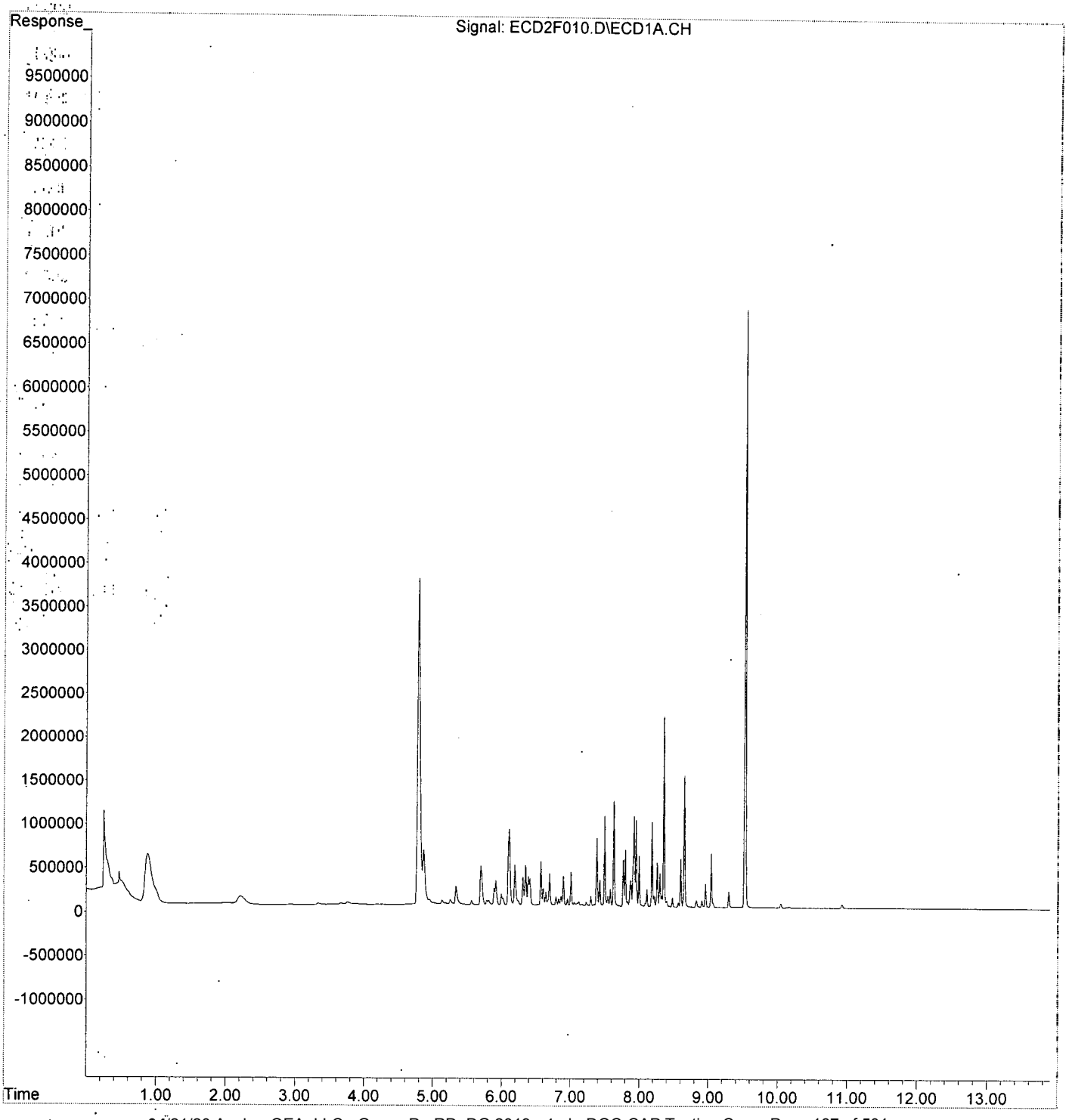
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:22
Operator : MJB / KAK
Sample : 0B18016-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:46:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:40
Operator : MJB / KAK
Sample : 0B18016-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:47:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.781	7955297	119.471 ng/ml
62) S	DCBP (S)	9.528	13652665	122.253 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.693	880891	235.661 ng/ml
3)	Aroclor 1016 (2)	6.105	1702544	236.665 ng/ml
4)	Aroclor 1016 (3)	6.187	932254	234.652 ng/ml
5)	Aroclor 1016 (4)	6.344	834830	233.365 ng/ml
6)	Aroclor 1016 (5)	6.566	1008063	242.820 ng/ml
7)	Aroclor 1016 (6)	6.693	725904	247.476 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D. ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D. ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D. ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D. ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D. ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D. ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D. ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D. ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D. ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D. ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D. ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D. ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D. ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D. ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D. ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D. ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D. ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D. ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D. ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D. ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D. ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D. ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D. ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D. ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D. ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D. ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D. ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/mld
41)	Aroclor 1260 (1)	7.494	2053158	246.543 ng/ml
42)	Aroclor 1260 (2)	7.627	2559676	250.890 ng/ml
43)	Aroclor 1260 (3)	8.183	1795515	228.287 ng/ml
44)	Aroclor 1260 (4)	8.353	4490801	241.201 ng/ml
45)	Aroclor 1260 (5)	8.651	3066068	253.478 ng/ml
46)	Aroclor 1260 (6)	9.040	1206819	235.956 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/mld

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:40
Operator : MJB / KAK
Sample : 0B18016-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:47:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

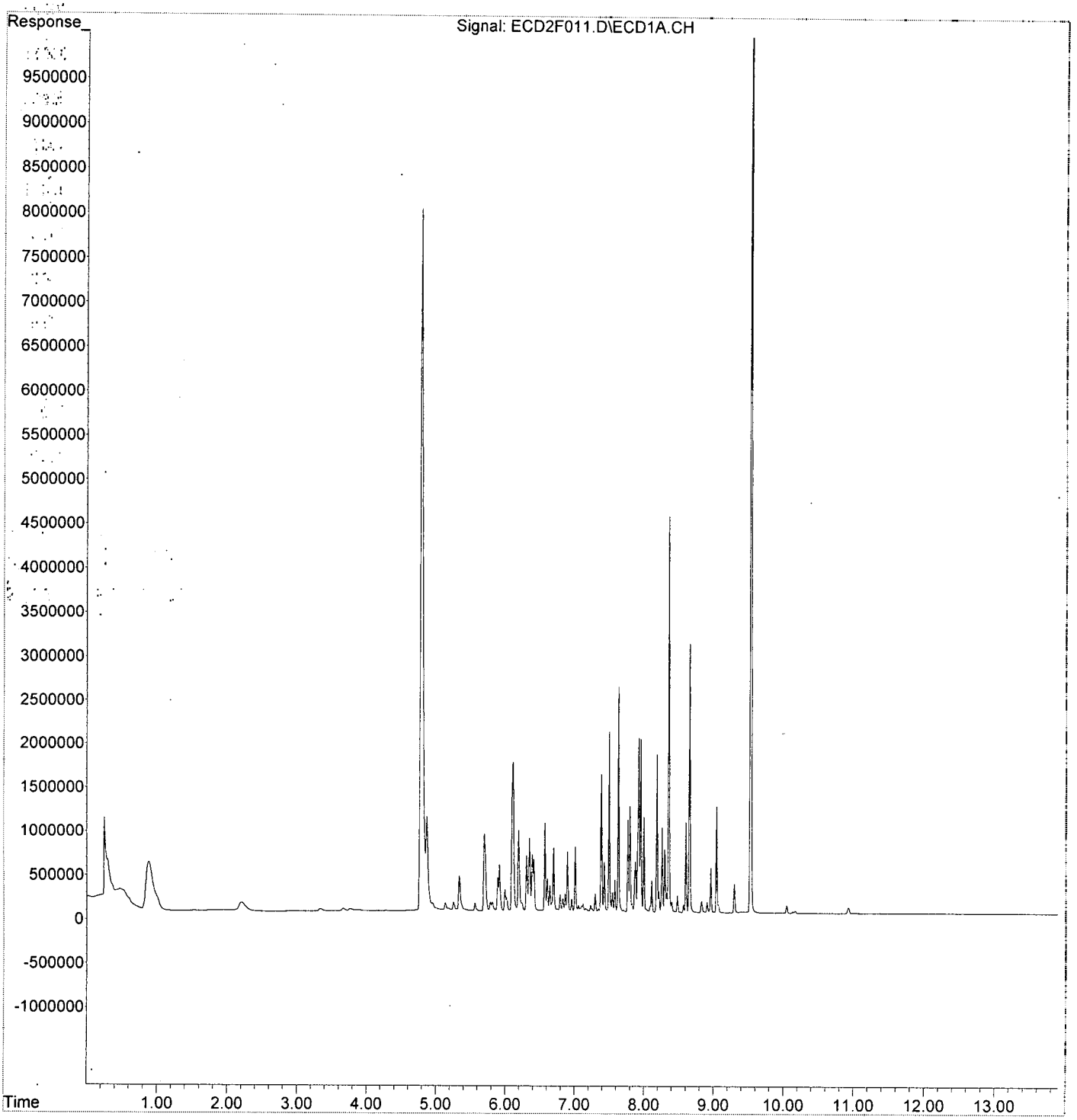
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:40
Operator : MJB / KAK
Sample : 0B18016-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:47:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:57
Operator : MJB / KAK
Sample : 0B18016-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:41:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1)	S TCMX (S)	4.780	18620641	279.641 ng/ml
62)	S DCBP (S)	9.527	32330296	289.503 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.692	2142875	573.274 ng/ml
3)	Aroclor 1016 (2)	6.105	4244215	589.974 ng/ml
4)	Aroclor 1016 (3)	6.186	2286878	575.616 ng/ml
5)	Aroclor 1016 (4)	6.344	2037988	569.691 ng/ml
6)	Aroclor 1016 (5)	6.566	2365422	569.777 ng/ml
7)	Aroclor 1016 (6)	6.692	1763397	601.180 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D. ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D. ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D. ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D. ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D. ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D. ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D. ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D. ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D. ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D. ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D. ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D. ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D. ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D. ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D. ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D. ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D. ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D. ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D. ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D. ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D. ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D. ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D. ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D. ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D. ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D. ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D. ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D. ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D. ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D. ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D. ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D. ng/mld
41)	Aroclor 1260 (1)	7.492	4797117	576.037 ng/ml
42)	Aroclor 1260 (2)	7.626	5959812	584.158 ng/ml
43)	Aroclor 1260 (3)	8.181	4639944	589.936 ng/ml
44)	Aroclor 1260 (4)	8.352	11348630	609.536 ng/ml
45)	Aroclor 1260 (5)	8.649	7377000	609.872 ng/ml
46)	Aroclor 1260 (6)	9.039	2958395	578.421 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/mld

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:57
Operator : MJB / KAK
Sample : 0B18016-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:41:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

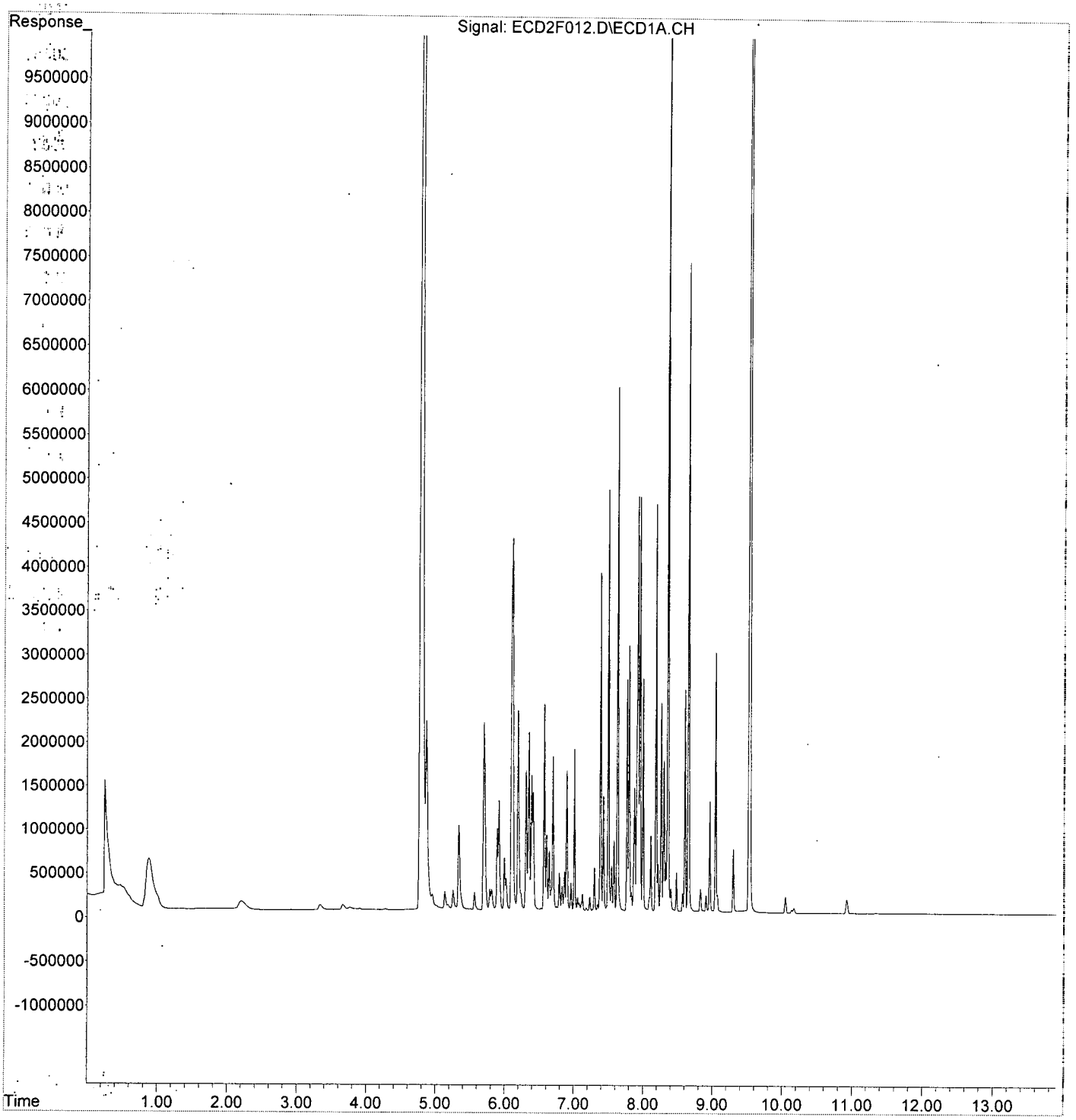
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 10:57
Operator : MJB / KAK
Sample : 0B18016-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:41:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:15
Operator : MJB / KAK
Sample : 0B18016-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:48:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.779	43144107	647.928	ng/ml
62)	S DCBP (S)	9.528	68241993	611.076	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.692	4174752	1116.854	ng/ml
3)	Aroclor 1016 (2)	6.106	8442266	1173.530	ng/ml
4)	Aroclor 1016 (3)	6.186	4576954	1152.036	ng/ml
5)	Aroclor 1016 (4)	6.343	3930132	1098.614	ng/ml
6)	Aroclor 1016 (5)	6.566	4405368	1061.155	ng/ml
7)	Aroclor 1016 (6)	6.692	3181732	1084.720	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.493	9172675	1101.454	ng/ml
42)	Aroclor 1260 (2)	7.627	11766076	1153.266	ng/ml
43)	Aroclor 1260 (3)	8.183	8969606	1140.423	ng/ml
44)	Aroclor 1260 (4)	8.353	21418035	1150.365	ng/ml
45)	Aroclor 1260 (5)	8.651	14311647	1183.174	ng/ml
46)	Aroclor 1260 (6)	9.039	5645108	1103.724	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:15
Operator : MJB / KAK
Sample : 0B18016-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:48:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

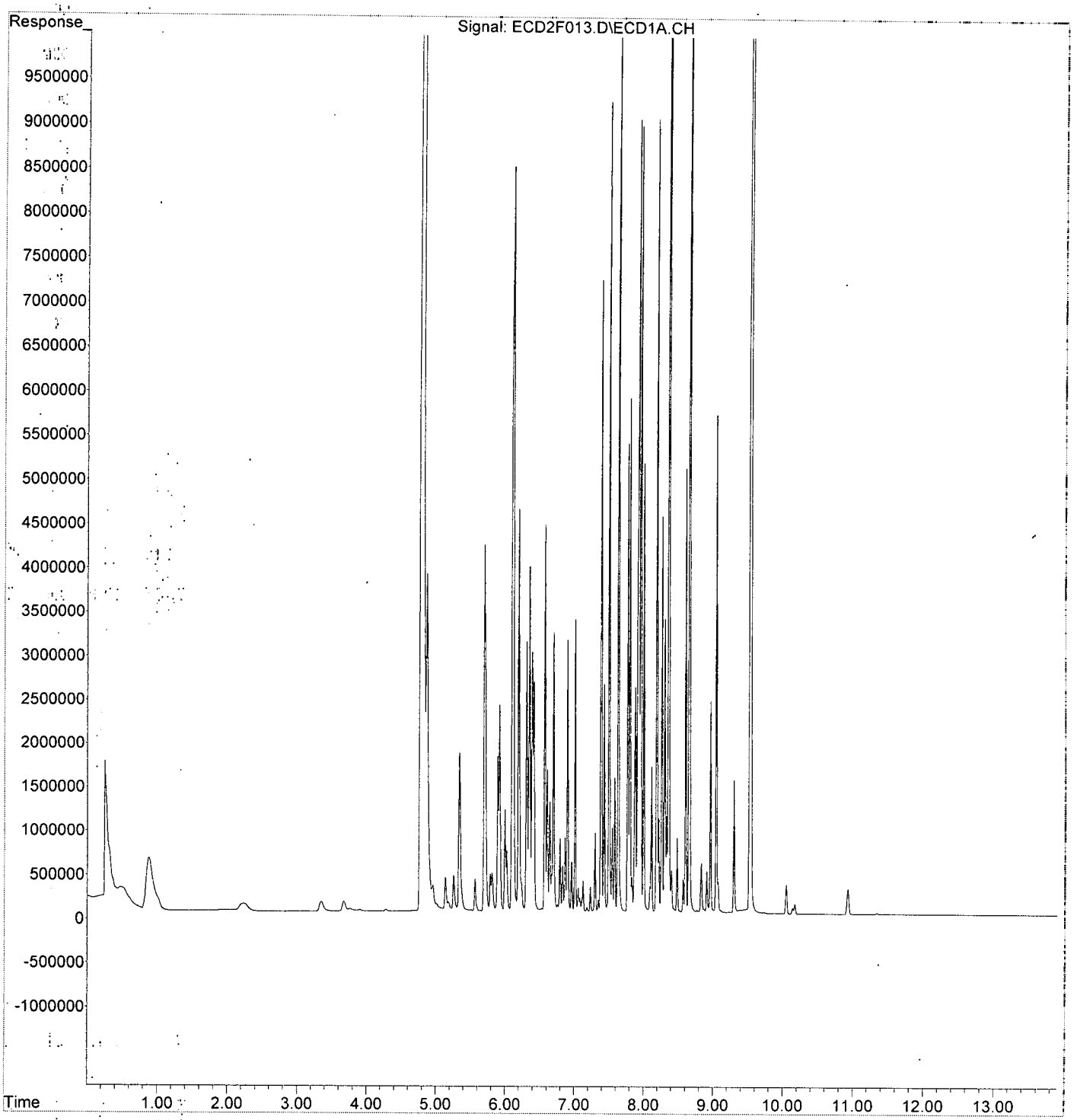
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:15
Operator : MJB / KAK
Sample : 0B18016-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:48:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:32
Operator : MJB / KAK
Sample : 0B18016-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:50:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.781	69999506	1051.237	ng/ml
62) S	DCBP (S)	9.529	112820430	1010.255	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.694	6027112	1612.408	ng/ml
3)	Aroclor 1016 (2)	6.105	12832323	1783.777	ng/ml
4)	Aroclor 1016 (3)	6.187	6633473	1669.670	ng/ml
5)	Aroclor 1016 (4)	6.344	5944203	1661.620	ng/ml
6)	Aroclor 1016 (5)	6.566	7087609	1707.246	ng/ml
7)	Aroclor 1016 (6)	6.692	5047266	1720.720	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	7.494	14247948	1710.892	ng/ml
42)	Aroclor 1260 (2)	7.627	18410958	1804.572	ng/ml
43)	Aroclor 1260 (3)	8.182	13232054	1682.363	ng/ml
44)	Aroclor 1260 (4)	8.353	33285610	1787.774	ng/ml
45)	Aroclor 1260 (5)	8.651	22288379	1842.628	ng/ml
46)	Aroclor 1260 (6)	9.039	9041001	1767.684	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:32
Operator : MJB / KAK
Sample : 0B18016-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:50:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

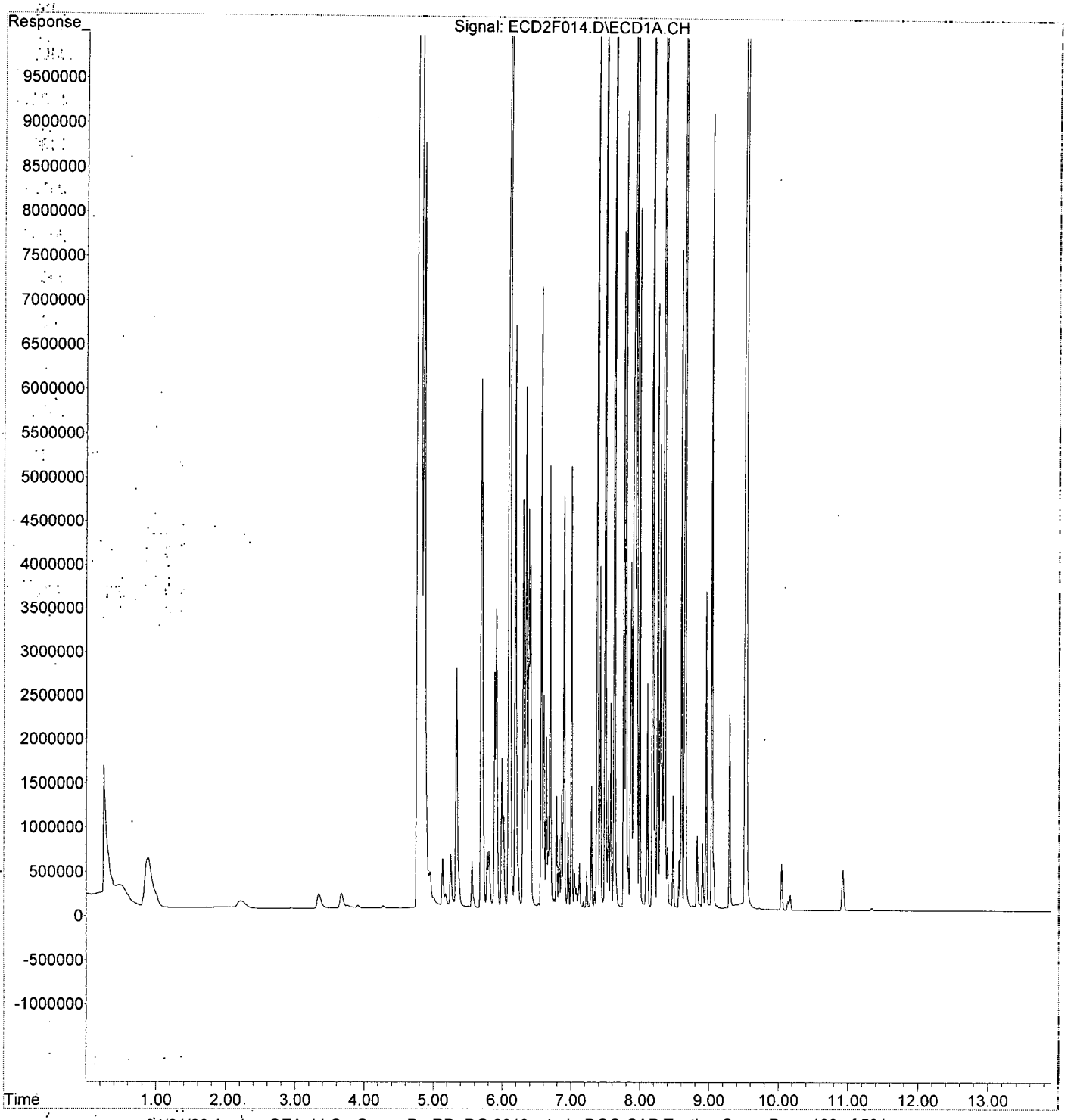
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 11:32
Operator : MJB / KAK
Sample : 0B18016-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:50:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:25
Operator : MJB / KAK
Sample : 0B18016-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:52:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:52:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	5.133	681657	629.745	ng/ml
10)	Aroclor 1221 (2)	5.252	460608	641.901	ng/ml
11)	Aroclor 1221 (3)	5.333	1418555	606.191	ng/ml
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:25
Operator : MJB / KAK
Sample : 0B18016-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:52:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:52:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

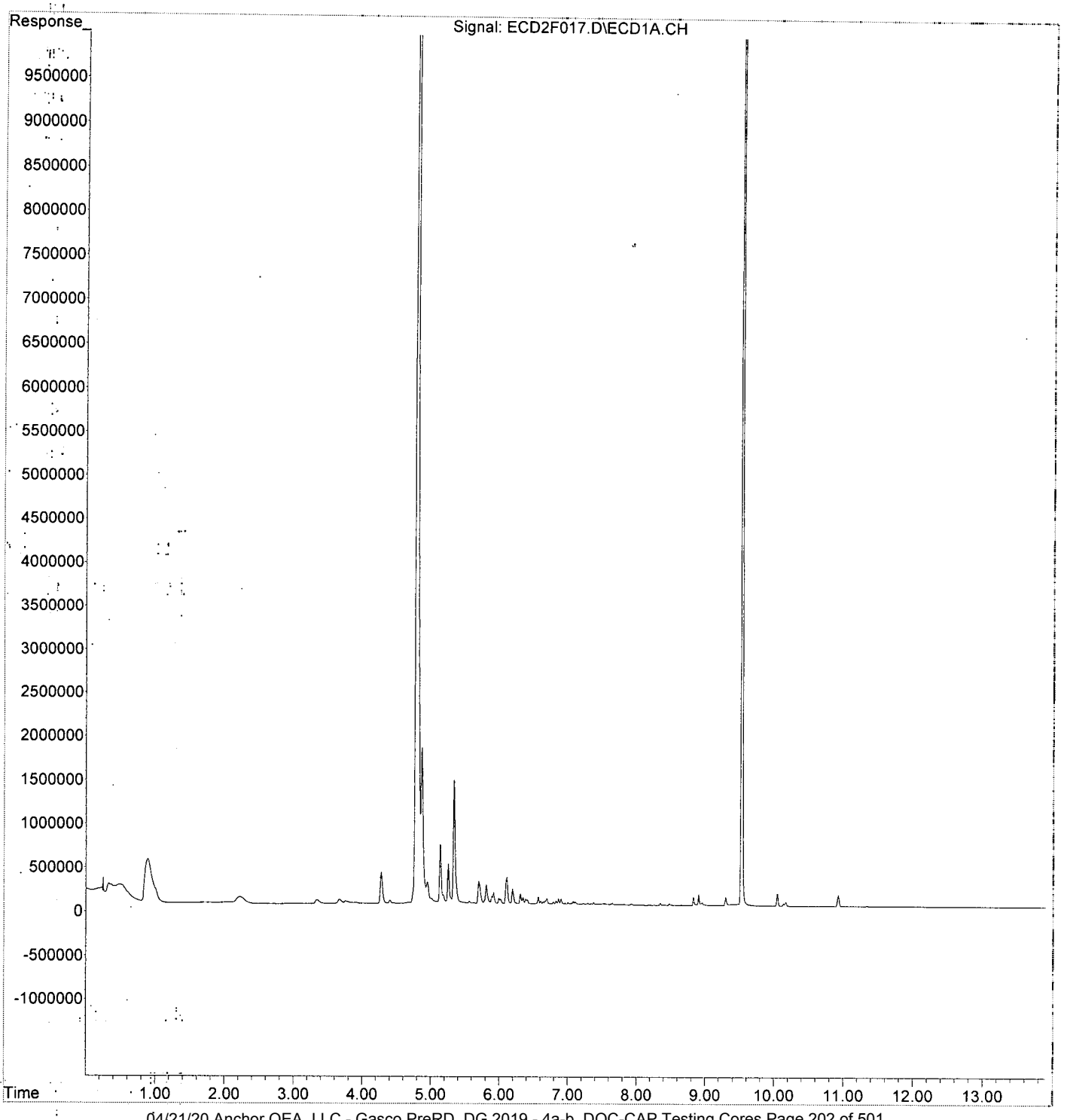
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:25
Operator : MJB / KAK
Sample : 0B18016-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:52:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:52:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:43
Operator : MJB / KAK
Sample : 0B18016-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:54:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:54:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	5.332	1182929	665.999	ng/ml
14)	Aroclor 1232 (2)	6.104	1793644	645.153	ng/ml
15)	Aroclor 1232 (3)	6.187	984104	670.854	ng/ml
16)	Aroclor 1232 (4)	6.344	759672	666.750	ng/ml
17)	Aroclor 1232 (5)	6.566	965194	672.151	ng/ml
18)	Aroclor 1232 (6)	6.691	787481	657.263	ng/ml
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld

2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:43
Operator : MJB / KAK
Sample : 0B18016-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:54:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:54:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

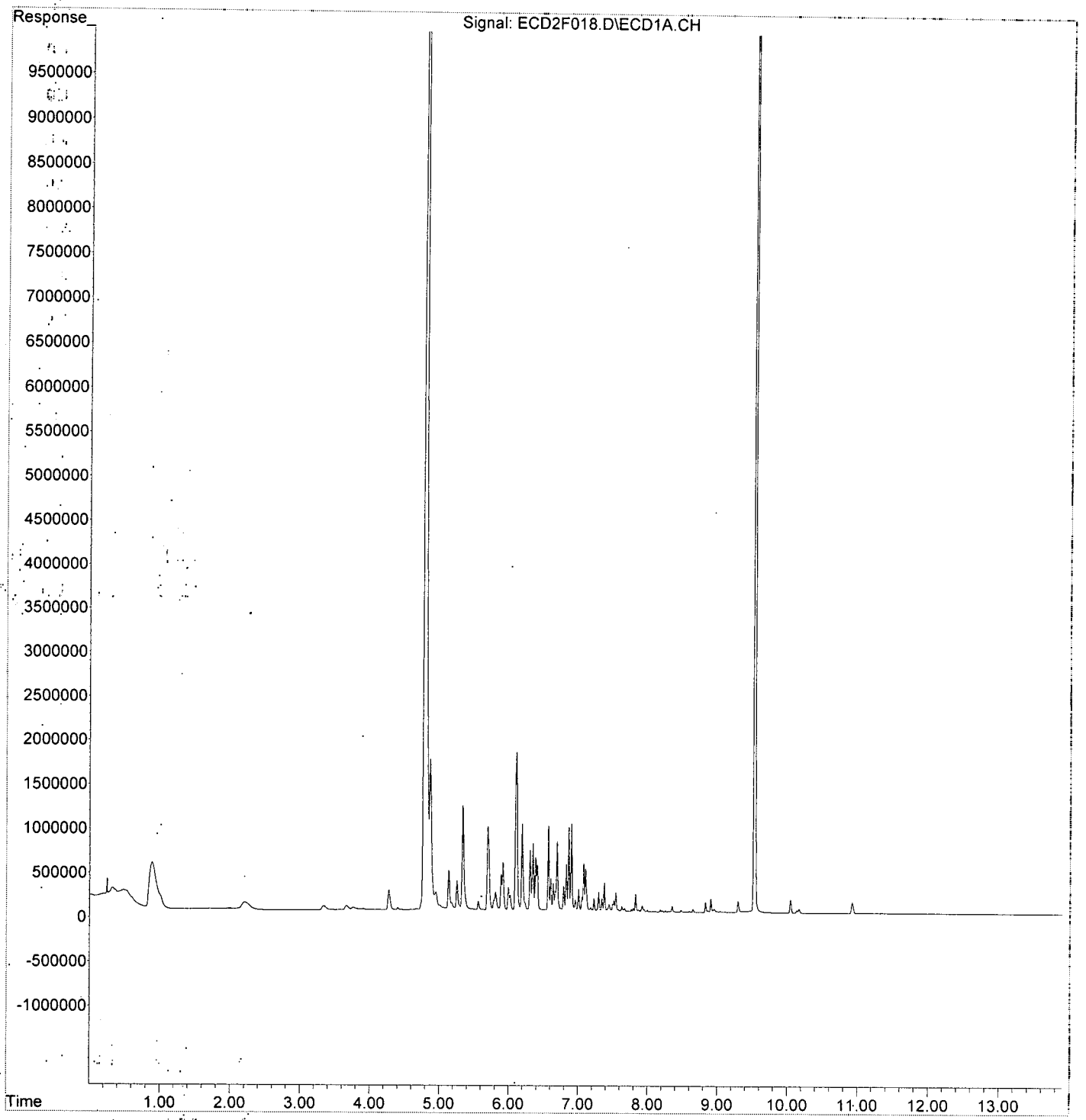
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 12:43
Operator : MJB / KAK
Sample : 0B18016-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:54:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:54:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:00
Operator : MJB / KAK
Sample : 0B18016-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:56:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:56:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	5.692	1760415	662.801	ng/ml
21)	Aroclor 1242 (2)	6.105	3586981	691.522	ng/ml
22)	Aroclor 1242 (3)	6.186	1837949	651.715	ng/ml
23)	Aroclor 1242 (4)	6.344	1637004	715.105	ng/ml
24)	Aroclor 1242 (5)	6.566	2049340	686.614	ng/ml
25)	Aroclor 1242 (6)	6.692	1703971	679.084	ng/ml
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld

2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:00
Operator : MJB / KAK
Sample : 0B18016-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:56:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:56:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

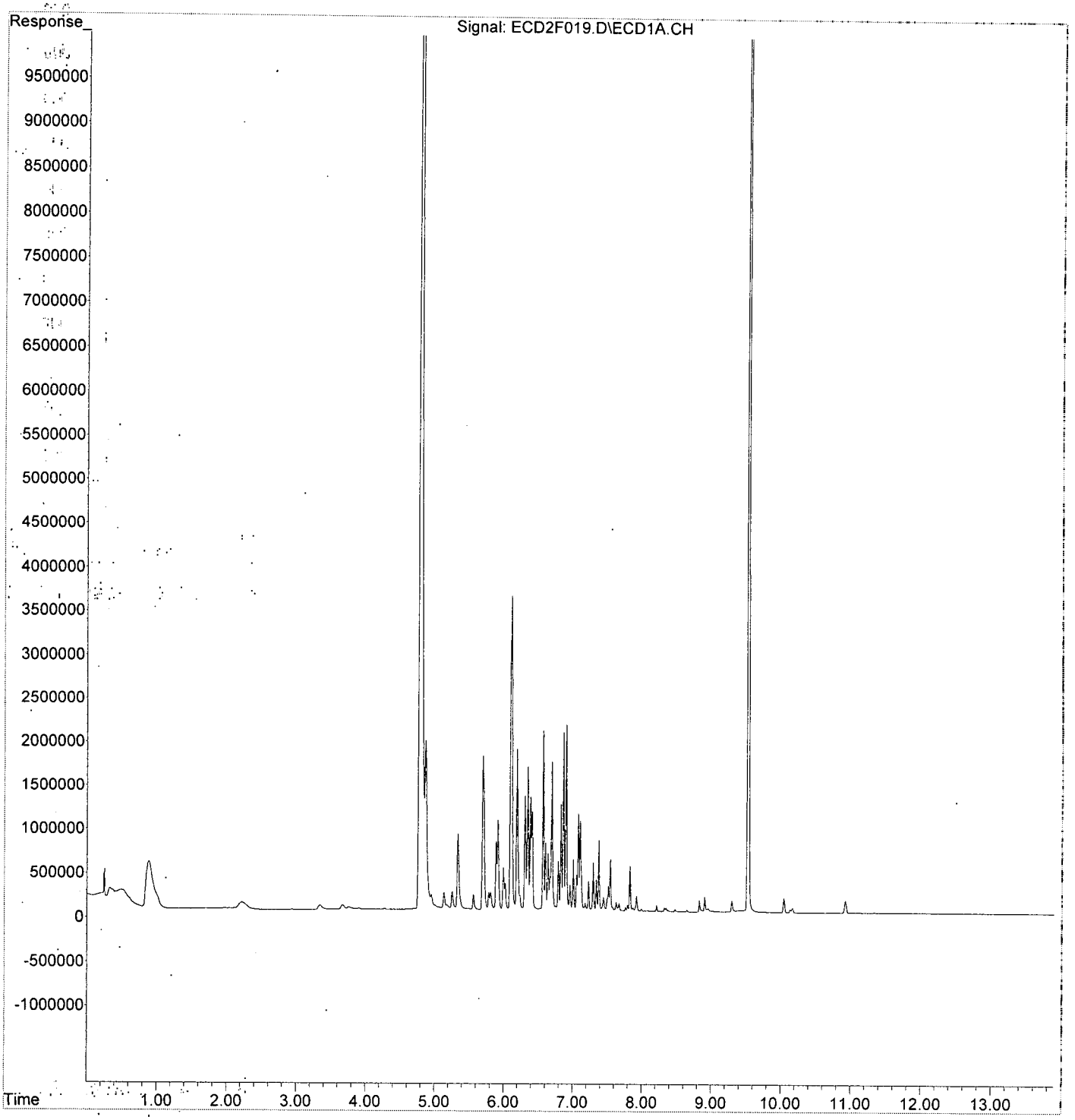
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:00
Operator : MJB / KAK
Sample : 0B18016-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:56:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:56:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F020.D
Signal(s) : ECD1A,CH
Acq On : 18 Feb 2020 13:18
Operator : MJB / KAK
Sample : 0B18016-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:58:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:58:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	6.106	2181041	640.862	ng/ml
28)	Aroclor 1248 (2)	6.345	2852519	631.757	ng/ml
29)	Aroclor 1248 (3)	6.567	3237239	620.296	ng/ml
30)	Aroclor 1248 (4)	6.861	3677118	633.424	ng/ml
31)	Aroclor 1248 (5)	6.899	3772790	612.535	ng/ml
32)	Aroclor 1248 (6)	7.375	2051697	600.365	ng/ml
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld

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Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:18
Operator : MJB / KAK
Sample : 0B18016-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:58:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:58:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

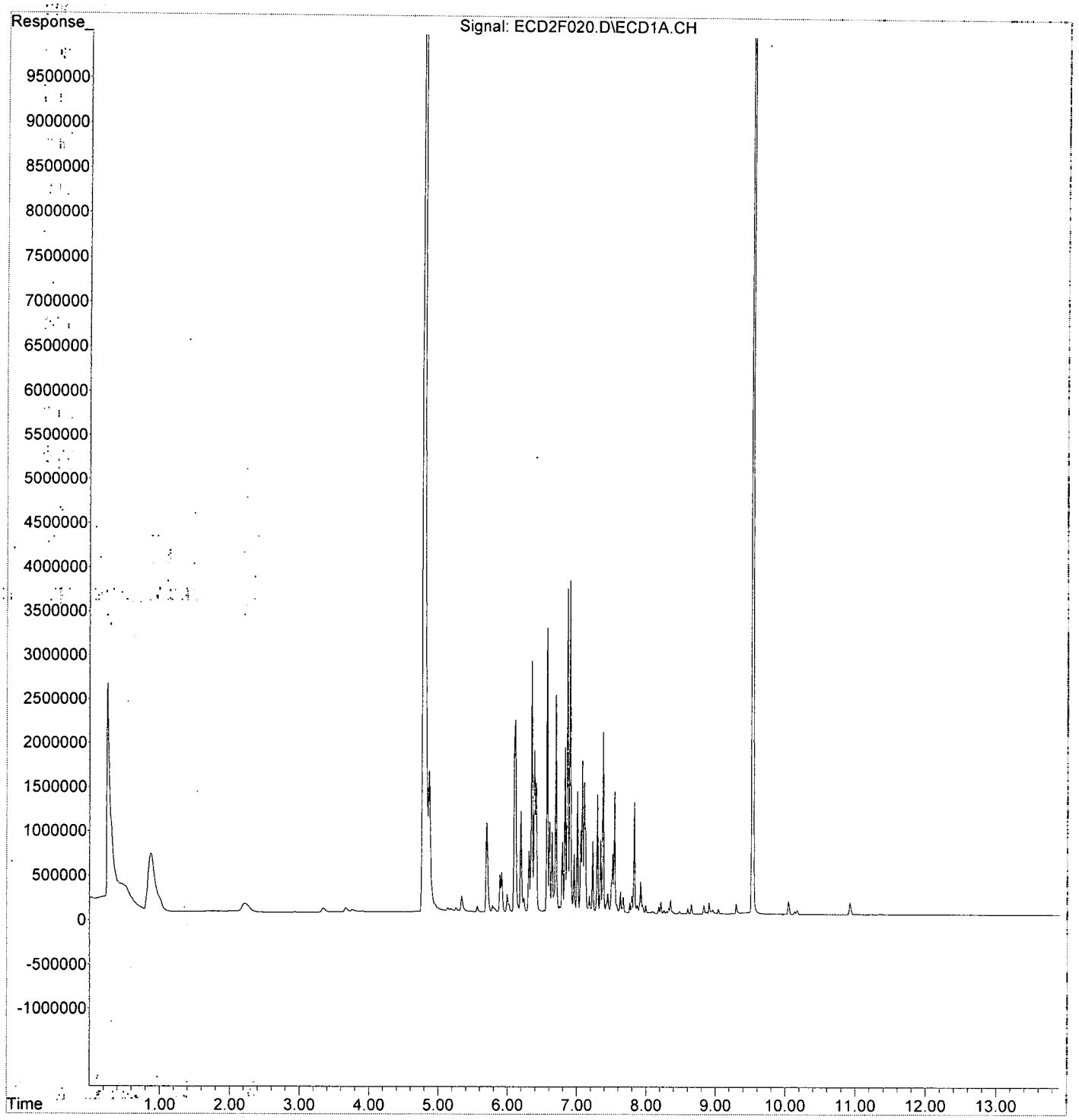
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:18
Operator : MJB / KAK
Sample : 0B18016-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 08:58:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 08:58:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:36
Operator : MJB / KAK
Sample : 0B18016-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:00:39 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
System Monitoring Compounds					
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
Target Compounds					
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	6.893	4430248	738.606	ng/ml
35)	Aroclor 1254 (2)	7.004	5541078	760.347	ng/ml
36)	Aroclor 1254 (3)	7.375	8319621	742.162	ng/ml
37)	Aroclor 1254 (4)	7.541	5313910	745.286	ng/ml
38)	Aroclor 1254 (5)	7.921	5792036	736.240	ng/ml
39)	Aroclor 1254 (6)	8.212	1865386	747.983	ng/ml
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld

2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:36
Operator : MJB / KAK
Sample : 0B18016-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:00:39 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

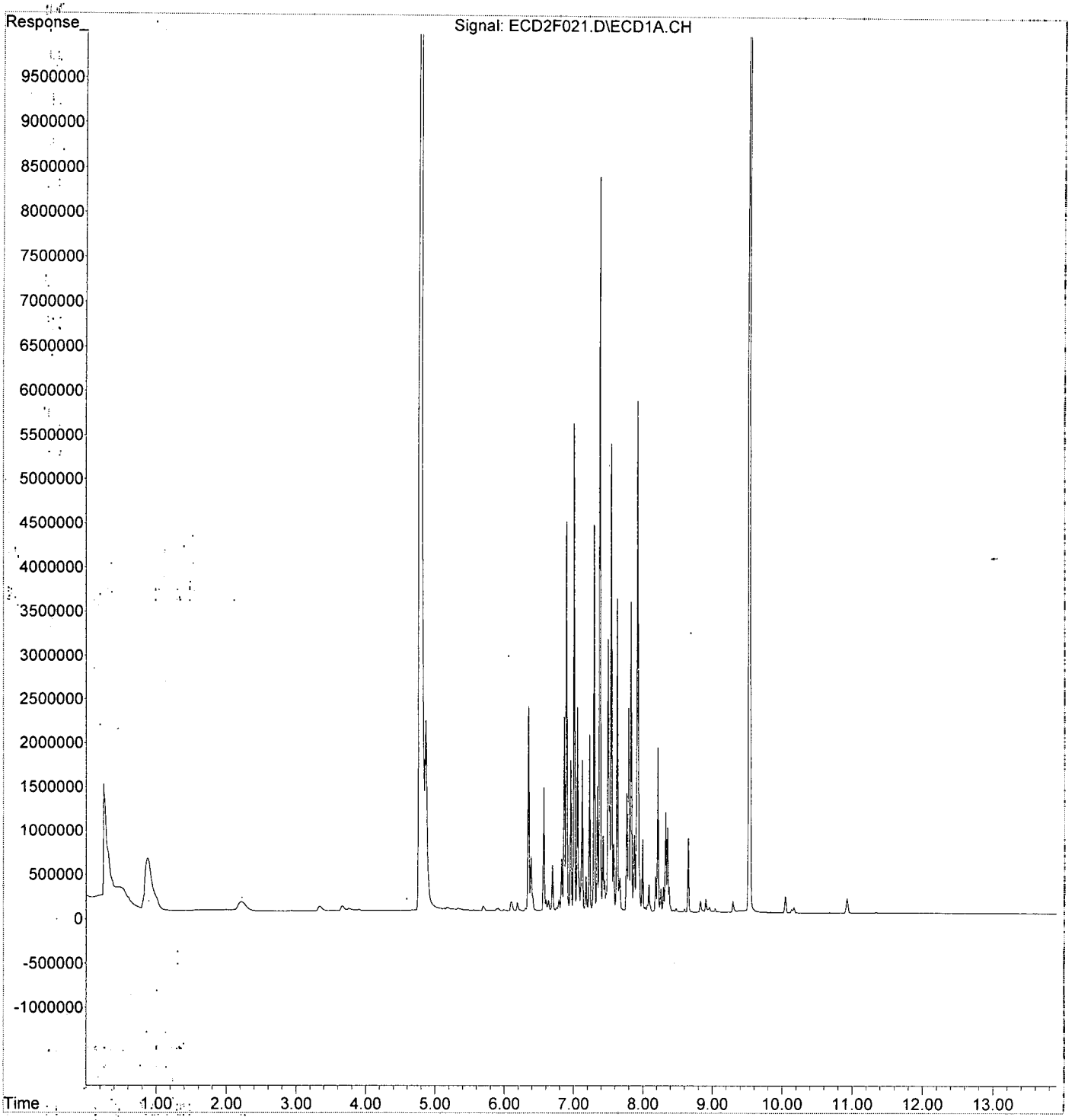
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:36
Operator : MJB / KAK
Sample : 0B18016-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:00:39 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:53
Operator : MJB / KAK
Sample : 0B18016-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:02:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:02:17 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
62) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:53
Operator : MJB / KAK
Sample : 0B18016-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:02:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:02:17 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.627	5372243	667.657	ng/ml
49)	Aroclor 1262 (2)	7.950	7660611	682.455	ng/ml
50)	Aroclor 1262 (3)	8.182	6382858	657.692	ng/ml
51)	Aroclor 1262 (4)	8.353	14151592	684.972	ng/ml
52)	Aroclor 1262 (5)	8.651	9036851	690.766	ng/ml
53)	Aroclor 1262 (6)	9.040	4527383	678.093	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

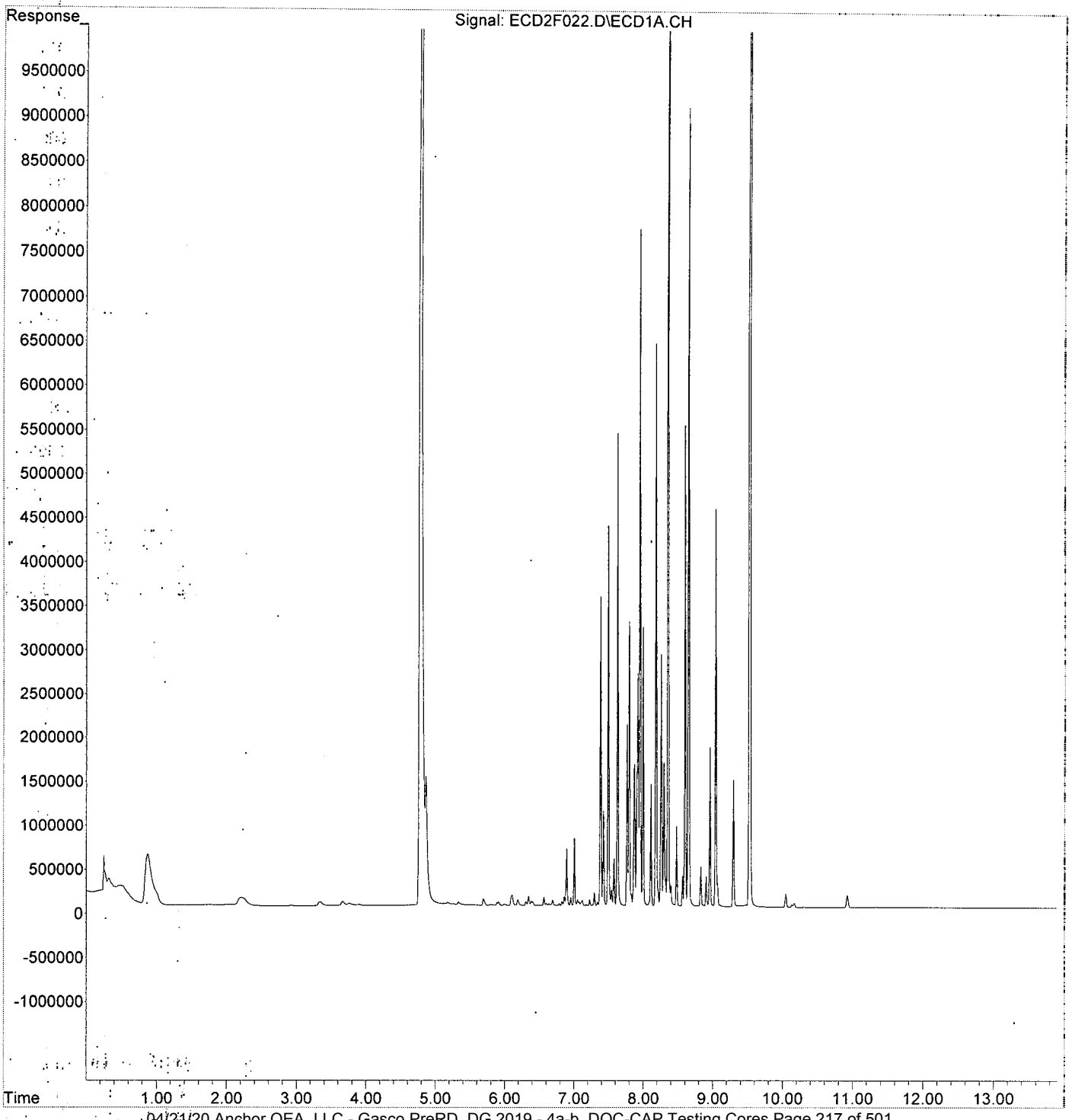
2/19/20

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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 13:53
Operator : MJB / KAK
Sample : 0B18016-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:02:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:02:17 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb-2020 14:11
Operator : MJB / KAK
Sample : 0B18016-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:04:18 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:04:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

2/19/20

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	0.000	0	N.D.	ng/mld
62)	S DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
13)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
14)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
20)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
21)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
27)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
28)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
34)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
35)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
41)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
42)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:11
Operator : MJB / KAK
Sample : 0B18016-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:04:18 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:04:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	8.174	3213099	629.497	ng/ml
56)	Aroclor 1268 (2)	8.599	14841314	605.134	ng/ml
57)	Aroclor 1268 (3)	8.647	12489121	611.786	ng/ml
58)	Aroclor 1268 (4)	8.829	11531463	602.059	ng/ml
59)	Aroclor 1268 (5)	9.040	4605021	594.216	ng/ml
60)	Aroclor 1268 (6)	9.296	32430266	620.277	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

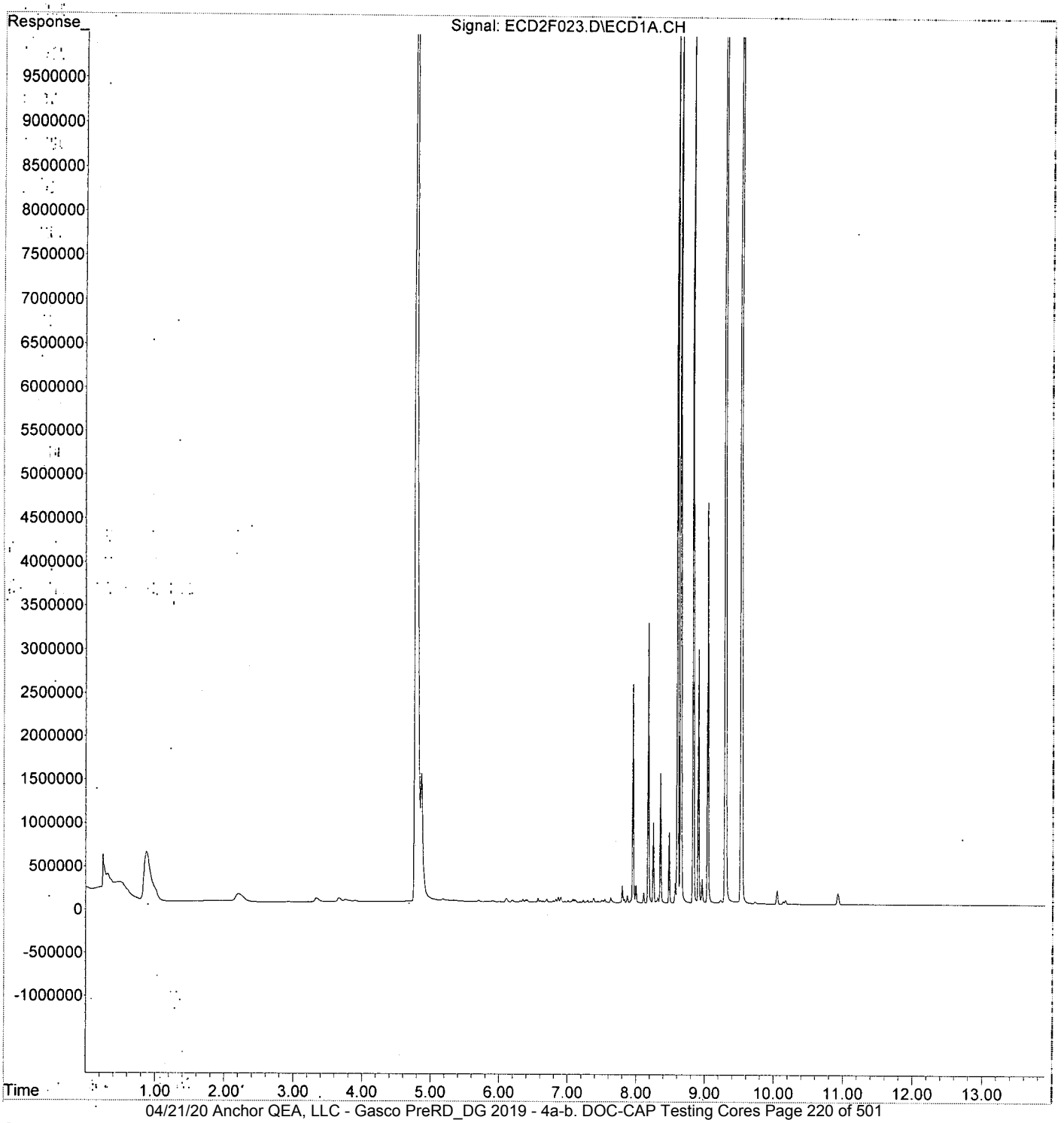
(f)=RT Delta > 1/2 Window (m)=manual int.

2/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0B18016\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 18 Feb 2020 14:11
Operator : MJB / KAK
Sample : 0B18016-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Feb 19 09:04:18 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200218.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 19 09:04:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



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

Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Batch 0030882
Sequence 0C27035 (A0C0715-01)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

APR 0 2 2020

BATCH #: 0030882 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	0030882-BLK1		QC	03/25/20 16:20	11	5				100					
	0030882-BS1		QC	03/25/20 16:20	10	5	A20C413		100	100					
	A0C0715-01	A	8081B 2,4+4,4-DDx Only (+Add)	03/25/20 16:20	10.1	5				100	PDI-034SC-D-06 -08-191022	MDL. Use Custom Spike.			
	0030882-MS1		QC	03/25/20 16:20	10.14	5	A20C413	A0C0715-01	100	100					
	0030882-MSD1		QC	03/25/20 16:20	10.09	5	A20C413	A0C0715-01	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19I263	03/18/21	DCM CHEM PROD. 194934
A19L058	06/01/22	Sodium Sulfate Lot # Q183003

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C413	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20C130	09/06/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Only do MS/MSD due to low ammount of sample

Prepared By: _____ Date

Reviewed By: MB 5/27/20 Date

Printed: 3/27/2020 3:44:28PM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0030882 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
1	0030882-BLK1		QC	03/25/20 16:20	~~10~~ 11	5				100					
2	0030882-BS1		QC	03/25/20 16:20	10	5	A20C413		100	100					
3	A0C0715-01	A	8081B 2,4+4,4-DDx Only (+Add)	03/25/20 16:20	~~10~~ 10.10	5				100	PDI-034SC-D-06 -08-191022	MDL. Use Custom Spike. dirt			
4	0030882-MS1		QC	03/25/20 16:20	~~10~~ 10.14	5	A20C413	A0C0715-01	100	100					
5	0030882-MSD1		QC	03/25/20 16:20	~~10~~ 10.09	5	A20C413	A0C0715-01	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19I263	03/18/21	DCM CHEM PROD. 194934
A19L058	06/01/22	Sodium Sulfate Lot # Q183003

Analyte Spike(s)

Std ~~ID~~	Exp. Date	Description
A20C413	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
~~A19K319~~ A20C130	05/07/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness: 03.25.20

Only do MS/MSD due to low ammount of sample

Prepared By: 3/25/20 Date

Reviewed By: cas 03/25/2020 Date

Printed: 3/25/2020 4:21:32PM

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**0C27035**	Instrument:	**DUALECD8**
Date:	**03/27/20 11:08**	Calibration:	**A0C1704**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0C27035-BKD1	Sediment	QC	QC				A20C091
2	0C27035-CCV1	Sediment	QC	QC				A20C183
3	0C27035-CCV2	Sediment	QC	QC				A20C358
4	0C27035-CCB1	Sediment	QC	QC				A20C404
5	0030882-BLK1	Sediment	QC	QC		0030882		
6	0030882-BS1	Sediment	QC	QC		0030882		
7	A0C0715-01	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	04/02/20	0030882		
8	0030882-MS1	Sediment	QC	QC		0030882		
9	0030882-MSD1	Sediment	QC	QC		0030882		
10	0C27035-CCV3	Sediment	QC	QC				A20C184
11	0C27035-CCV4	Sediment	QC	QC				A20C359
12	0C27035-CCB2	Sediment	QC	QC				A20C404

Comments:

Data Entered By: MJB 3/27/20

Data Reviewed By: MJB 3/30/20

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0C27035 BKD1
Data File: ECD8-03272003.D

First Column Area Counts		Percent Breakdown	
DDE	19289539		
DDD	58468186		
DDT	2541478011	**2.97**	**PASS**
Endrin	1394368555	**9.52**	**PASS**
Endrin Aldehyde	63062742		
Endrin Ketone	83586639		

Second Column Area Counts		Percent Breakdown	
DDE	17005299		
DDD	62789466		
DDT	2675111916	**2.90**	**PASS**
Endrin	1409402856	**9.35**	**PASS**
Endrin Aldehyde	62003011		
Endrin Ketone	83437037		

Breakdown must be less than 15% to accept sample data.

MJB 3/27/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 11:55
Operator : MJB
Sample : 0C27035-BKD1
Misc : A20C091
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 12:11:00 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200316.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	7.767	19289539	NoCal	ng/mL
2)	Endrin	8.143	1394368555	NoCal	ng/mL
3)	4,4'-DDD	8.189	58468186	NoCal	ng/mL
4)	4,4'-DDT	8.386	2541478011	NoCal	ng/mL
5)	Endrin Aldehyde	8.593	63062742	NoCal	ng/mL
6)	Endrin Ketone	9.093	83586639	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.376	17005299	NoCal	ng/mL
9)	Endrin [2C]	8.746	1409402856	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.792	62789466	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	9.132	62003011	NoCal	ng/mL
12)	4,4'-DDT [2C]	9.018	2675111916	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.726	83437037	NoCal	ng/mL

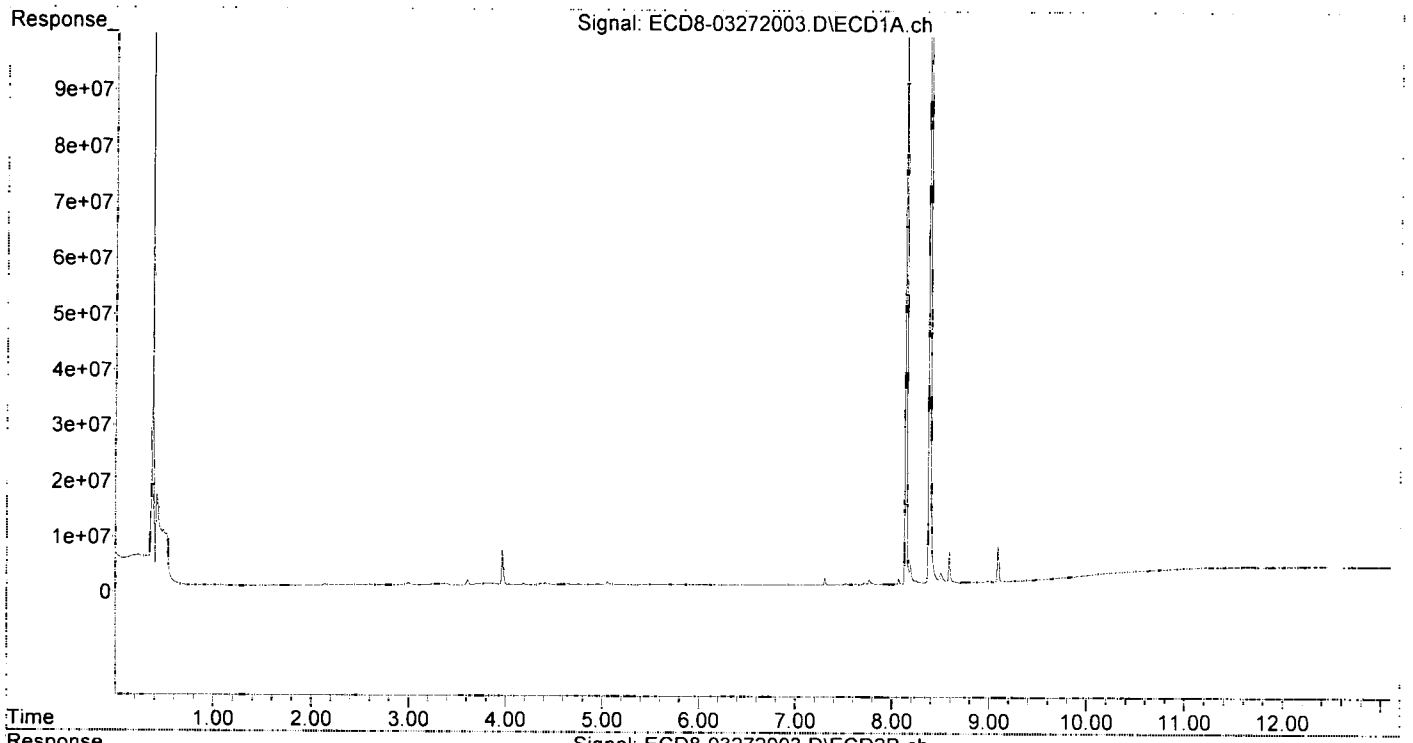
(f)=RT Delta > 1/2 Window (m)=manual int.

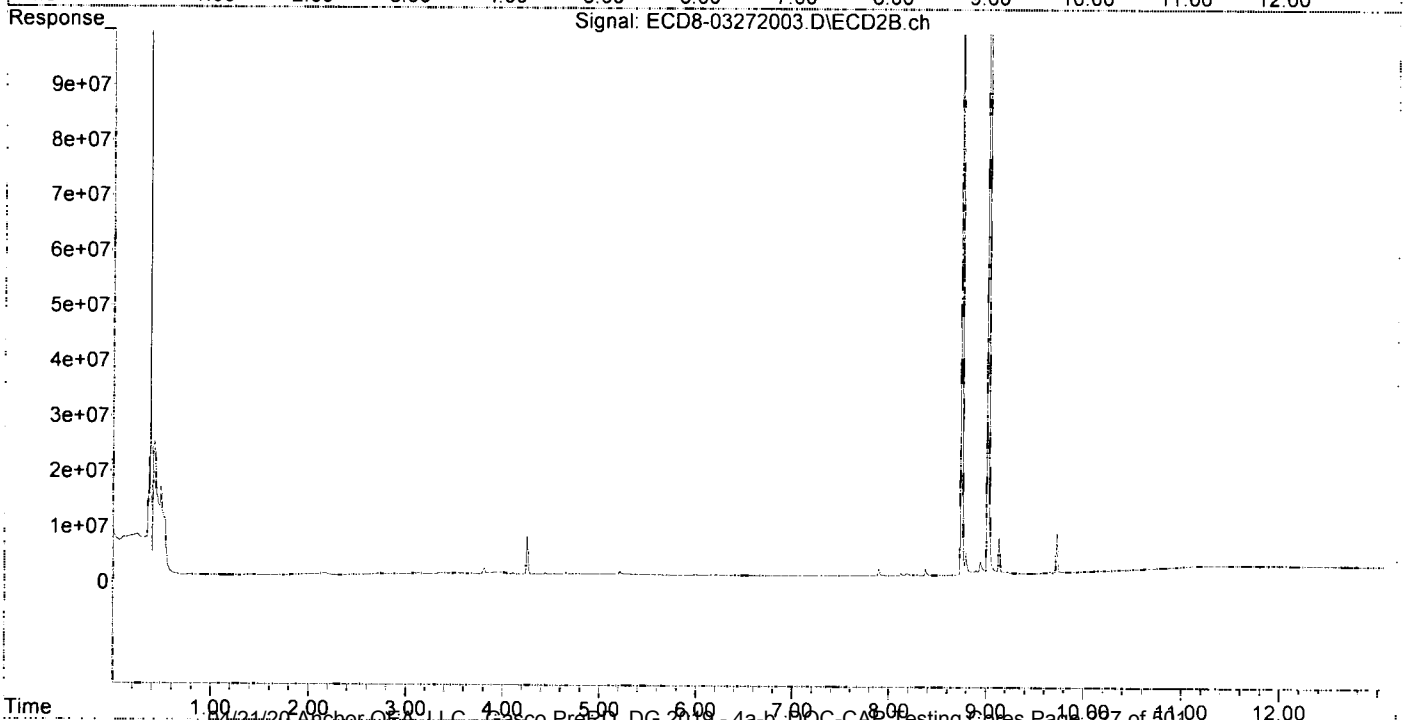
MJB 3/27/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 11:55
Operator : MJB
Sample : 0C27035-BKD1
Misc : A20C091
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 12:11:00 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200316.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 12:12
Operator : MJB
Sample : 0C27035-CCV1
Misc : A20C183, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 13:47:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

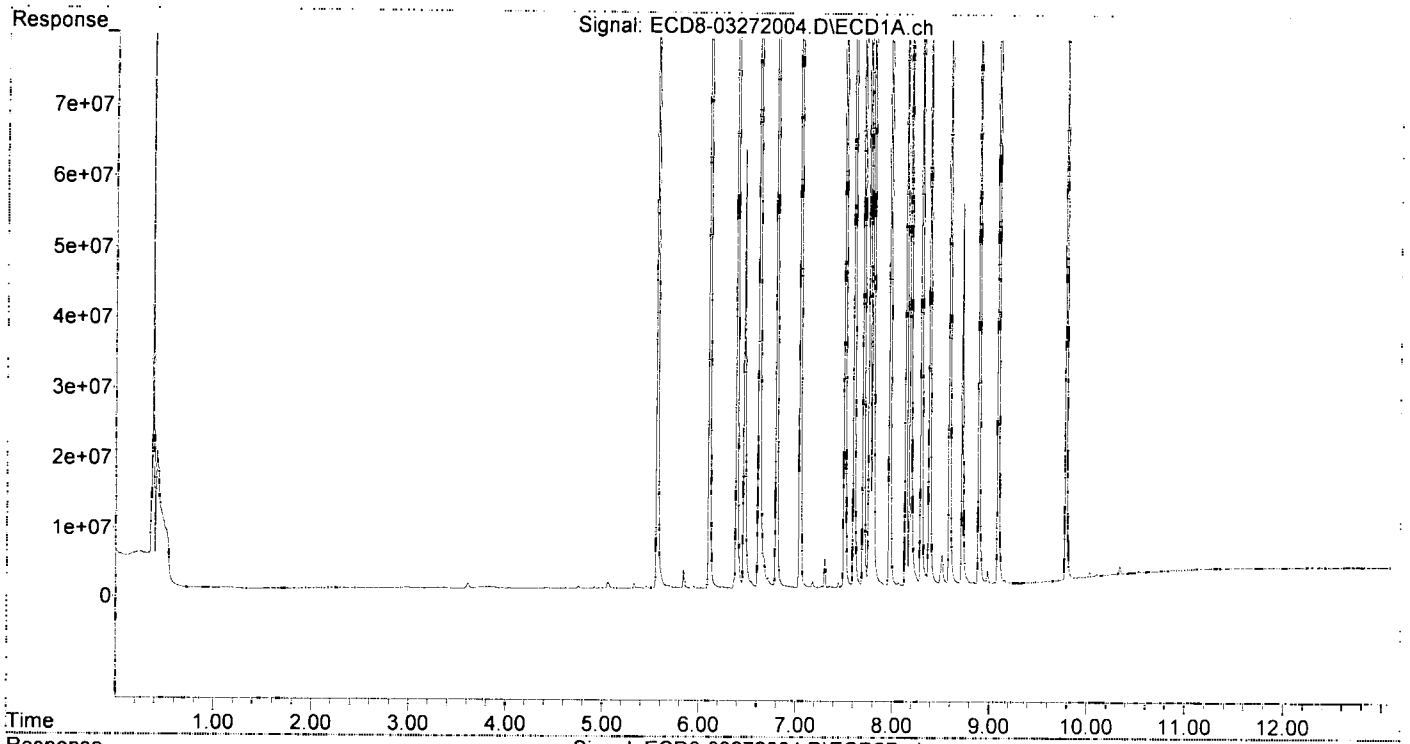
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.016	155.6E6	183.2E6	49.231	49.743	
22)	S	DCBP (S)	9.788	10.591	109.9E6	107.0E6	50.426	54.067	
		Target Compounds							
2)		a-BHC	6.108	6.622	215.3E6	257.9E6	50.480	54.215	
3)		g-BHC	6.391	6.940	185.3E6	216.8E6	50.778	55.976	
4)		b-BHC	6.469	7.004	62770742	80614114	50.016	49.260	
5)		Heptachlor	6.804	7.313	180.9E6	203.0E6	53.431	57.820	
6)		d-BHC	6.622	7.260	129.2E6	186.2E6	47.010	51.936	
7)		Aldrin	7.047	7.579	176.7E6	205.3E6	51.897	54.379	
8)		Heptachlo...	7.509	8.018	160.5E6	189.9E6	50.160	55.723	
9)		trans-Chl...	7.606	8.158	157.4E6	186.9E6	50.340	54.751	
10)		cis-Chlor...	7.703	8.266	156.5E6	184.3E6	50.191	53.828	
11)		Endosulfa...	7.803	8.316	151.9E6	169.8E6	51.513	53.979	
12)		4,4'-DDE	7.763	8.374	139.1E6	174.4E6	51.772	53.345	
13)		Dieldrin	7.975	8.517	168.6E6	192.1E6	51.420	53.818	
14)		Endrin	8.142	8.746	137.8E6	150.0E6	52.957	56.056	
15)		4,4'-DDD	8.187	8.790	108.5E6	131.2E6	52.299	55.374	
16)		Endosulfa...	8.299	8.894	122.6E6	146.9E6	49.216	55.522	
17)		4,4'-DDT	8.385	9.017	118.4E6	135.6E6	57.029	59.228	
18)		Endrin Al...	8.591	9.131	117.2E6	130.7E6	50.271	50.612	
19)		Endosulfa...	8.895	9.323	124.3E6	142.2E6	50.335	53.419	
20)		Methoxychlor	8.721	9.499	54674445	62617165	57.618	59.333	
21)		Endrin Ke...	9.092	9.725	145.4E6	160.5E6	49.743	58.776	
23)		Hexachlor...	0.000	3.712	0	39754	N.D.	BelowCal	
24)		Hexachlor...	5.949	6.482	353699	30241	0.111	BelowCal	#
25)		Oxychlordane	7.446	7.979f	757613	57853	0.264	0.018	#
26)		2,4'-DDE	7.509	8.158	160.5E6	186.9E6	86.810	76.916	
27)		trans-Non...	7.703	8.217	156.5E6	850882	49.840	0.156	#
28)		2,4'-DDD	7.930f	8.517	316222	192.1E6	0.206	96.341	#
29)		2,4'-DDT	8.068	8.746	532727	150.0E6	0.282	69.529	#
30)		cis-Nonac...	8.187	8.790	108.5E6	131.2E6	31.390	33.826	
31)		Mirex	8.844	9.725	302142	160.5E6	0.132	72.523	#
32)		Chlordane...	7.606	8.158	157.4E6	186.9E6	454.045	422.295	
33)		Chlordane...	7.703	8.266	156.5E6	184.3E6	373.899	479.113	#
34)		Chlordane...	8.299f	8.940	122.6E6	2899974	1087.225	24.241	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.703	8.517	156.5E6	192.1E6	11514.906	6162.710	#
37)		Toxaphene...	7.975	0.000	168.6E6	0	6047.600	N.D.	#
38)		Toxaphene...	8.299	8.894	122.6E6	146.9E6	1998.287	2302.199	
39)		Toxaphene...	8.515f	8.940	4409054	2899974	72.124	27.505	#
40)		Toxaphene...	0.000	9.131	0	130.7E6	N.D.	2289.433	#
41)		Toxaphene...	8.844	9.499	302142	62617165	5.000	1023.522	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

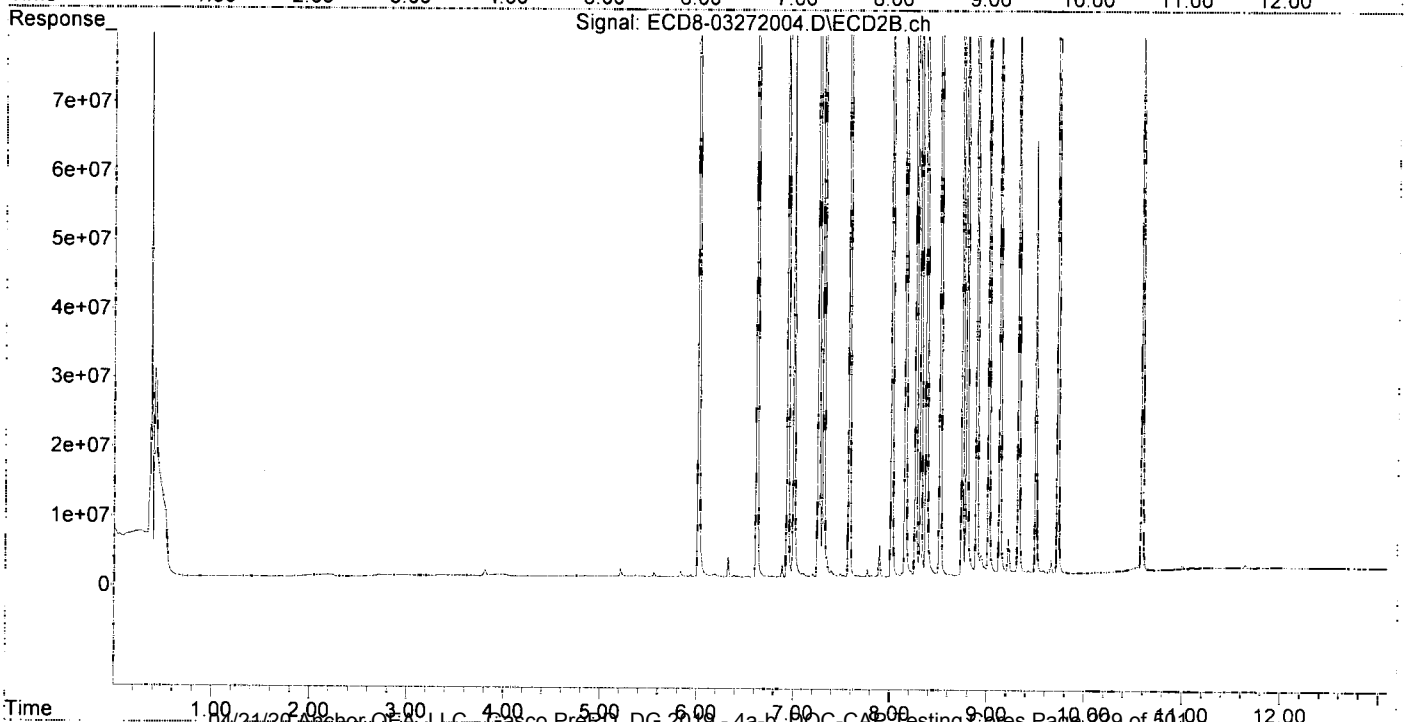
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 12:12
Operator : MJB
Sample : 0C27035-CCV1
Misc : A20C183, AB 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 13:47:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 12:28
Operator : MJB
Sample : 0C27035-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 13:53:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

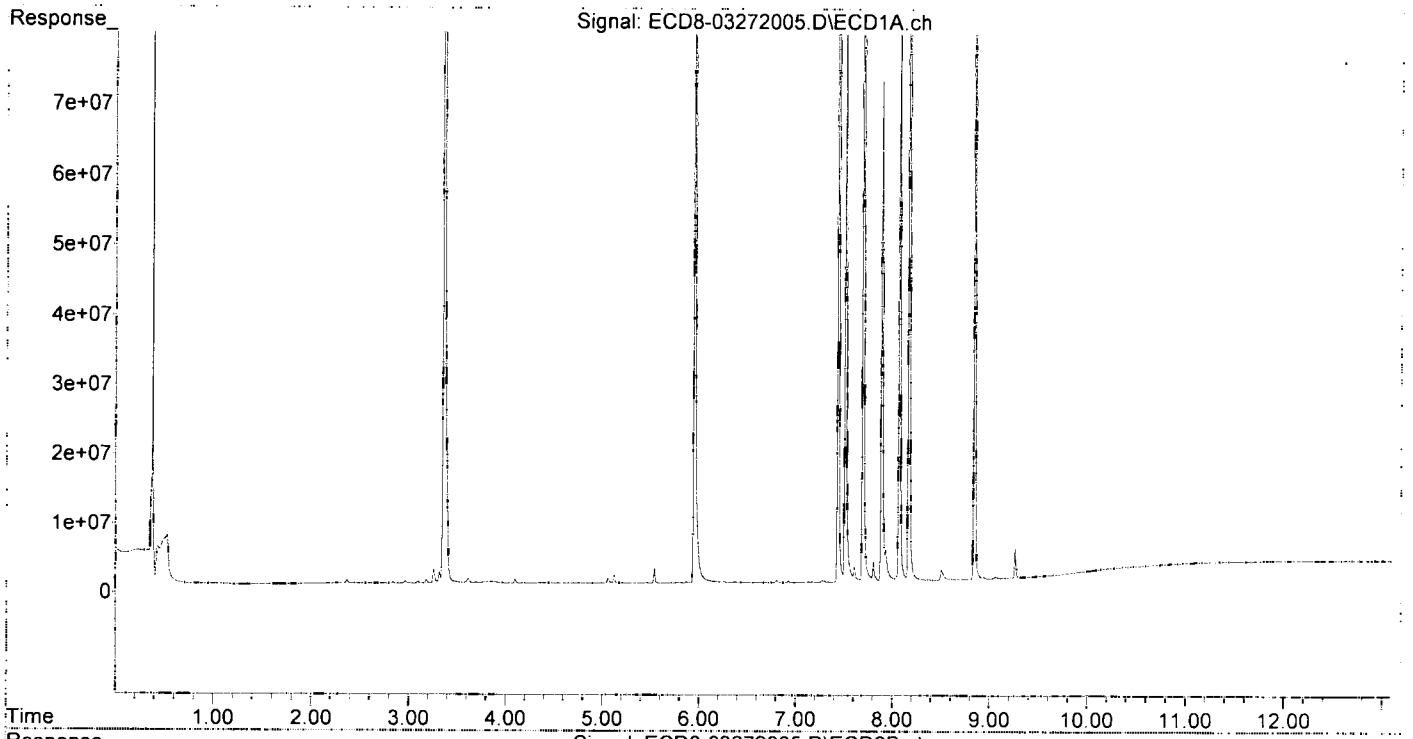
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.539f	6.011	2217987	63797	0.702	0.017	#
22)	S	DCBP (S)	9.793	10.590	293224	261760	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	0.000	6.645f	0	218903	N.D.	0.096	#
3)		g-BHC	6.393	6.939	71740	26461	0.020	0.007	#
4)		b-BHC	6.456	6.999	59819	35590	BelowCal	0.022	
5)		Heptachlor	6.805	7.314	376345	432636	0.111	0.123	
6)		d-BHC	6.626	7.265	29333	44693	BelowCal	0.010	
7)		Aldrin	7.047	7.578	12169	25364	0.004	0.007	#
8)		Heptachlo...	7.512	0.000	84372143	0	26.369	N.D.	#
9)		trans-Chl...	7.607	8.153	2169596	108.1E6	0.694	32.917	#
10)		cis-Chlor...	7.694	8.267	141.4E6	5263711	45.335	1.538	#
11)		Endosulfa...	7.805	8.333	2869750	436492	0.973	0.139	#
12)		4,4'-DDE	0.000	8.379	0	2226062	N.D.	0.728	#
13)		Dieldrin	7.958	8.527	1449189	91260680	0.442	26.711	#
14)		Endrin	8.168f	8.751	156.6E6	94089125	60.190	36.523	#
15)		4,4'-DDD	8.168	8.790	156.6E6	185.3E6	75.526	75.226	
16)		Endosulfa...	8.321f	0.000	174883	0	0.070	N.D.	#
17)		4,4'-DDT	8.386	9.018	147341	273999	BelowCal	0.016	
18)		Endrin Al...	8.601	9.137	219771	141157	0.094	0.055	#
19)		Endosulfa...	0.000	9.328	0	51317	N.D.	0.019	#
20)		Methoxychlor	8.724	9.463f	14932	143287	BelowCal	BelowCal	
21)		Endrin Ke...	9.117f	9.717	13923	107.8E6	0.005	40.836	#
23)		Hexachlor...	3.360	3.717	158.3E6	203.5E6	45.636	47.171	
24)		Hexachlor...	5.949	6.483	132.5E6	155.6E6	41.778	43.901	
25)		Oxychlordane	7.438	7.947	130.9E6	148.6E6	45.532	45.690	
26)		2,4'-DDE	7.512	8.153	84372143	108.1E6	45.636	46.869	
27)		trans-Non...	7.694	8.222	141.4E6	167.9E6	45.018	48.583	
28)		2,4'-DDD	7.888	8.527	71853209	91260680	46.718	49.549	
29)		2,4'-DDT	8.070	8.751	84232929	94089125	44.535	45.797	
30)		cis-Nonac...	8.168	8.790	156.6E6	185.3E6	45.331	46.669	
31)		Mirex	8.844	9.717	99719822	107.8E6	43.653	50.241	
32)		Chlordane...	7.607	8.153	2169596	108.1E6	6.258	244.263	#
33)		Chlordane...	7.694	8.267	141.4E6	5263711	337.723	13.687	#
34)		Chlordane...	0.000	8.944	0	2072404	N.D.	16.352	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.694	8.527f	141.4E6	91260680	10400.792	2927.912	#
37)		Toxaphene...	7.958f	0.000	1449189	0	51.977	N.D.	#
38)		Toxaphene...	8.321f	0.000	174883	0	2.850	N.D.	#
39)		Toxaphene...	8.506f	8.944	1529625	2072404	25.022	19.656	
40)		Toxaphene...	8.786	9.137	14835	141157	0.310	2.473	#
41)		Toxaphene...	8.844	0.000	99719822	0	1650.122	N.D.	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

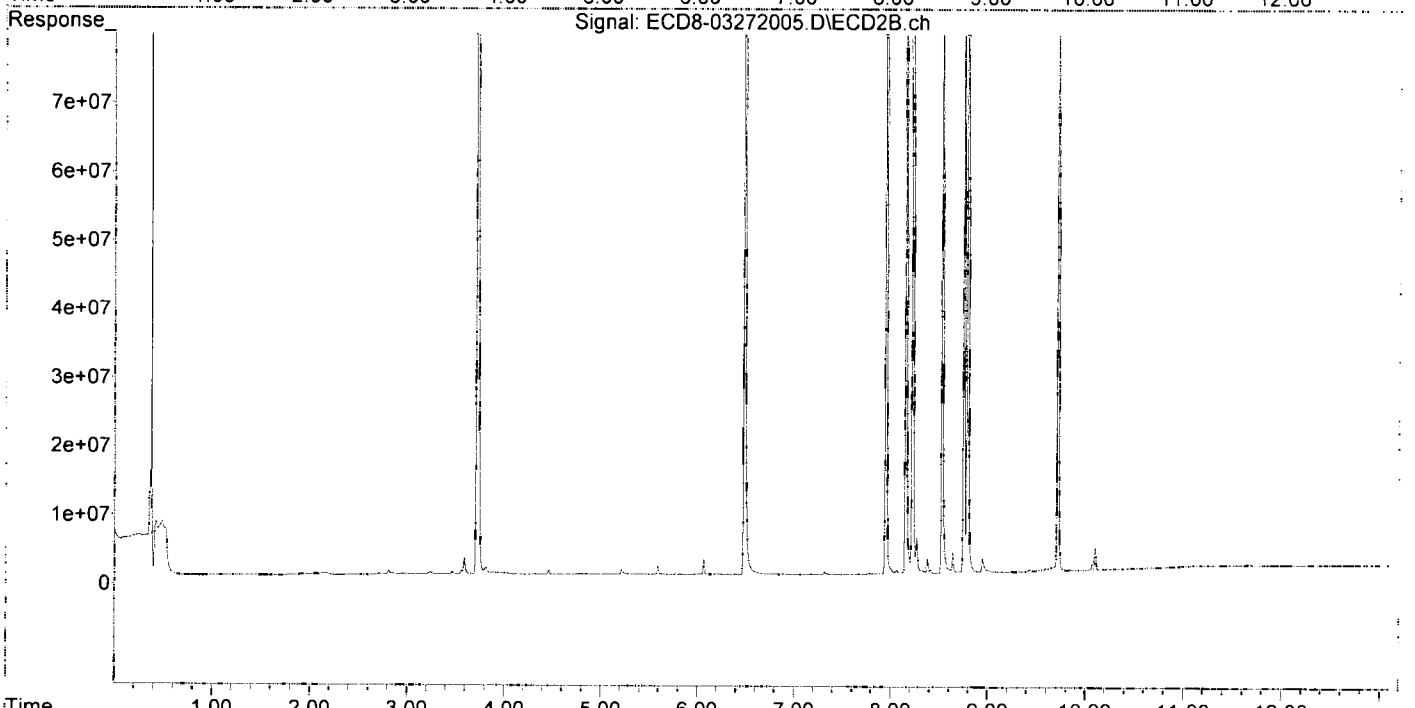
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 12:28
Operator : MJB
Sample : 0C27035-CCV2
Misc : A20C358, 9-42 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 13:53:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 12:45
Operator : MJB
Sample : 0C27035-CCB1
Misc : A20C404
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 13:53:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

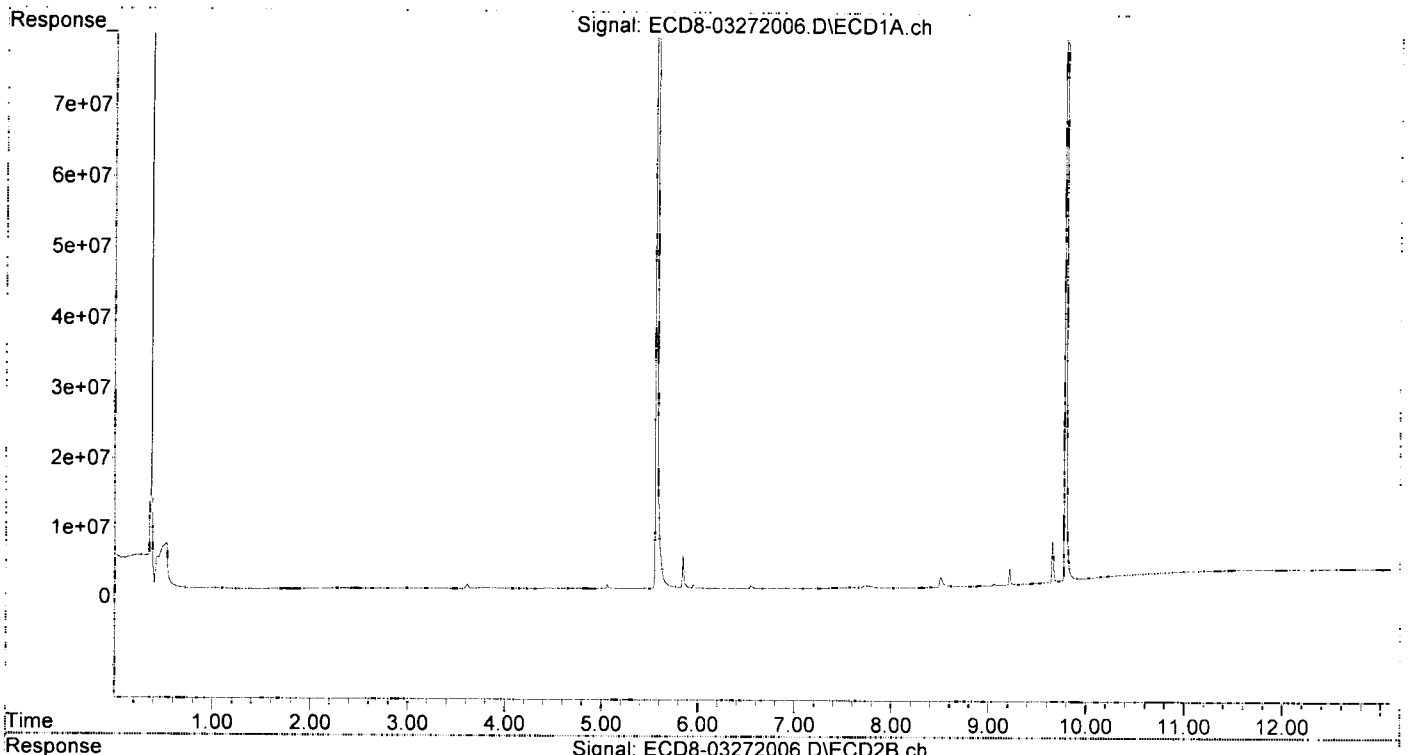
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.017	289.8E6	356.8E6	91.696	96.877	
22)	S	DCBP (S)	9.788	10.591	190.3E6	187.0E6	87.346	91.951	
		Target Compounds							
2)		a-BHC	6.107	0.000	29897	0	0.007	N.D.	#
3)		g-BHC	6.395	6.966f	11678	13336	0.003	0.003	
4)		b-BHC	6.451	7.002	21117	12981	BelowCal	0.008	
5)		Heptachlor	6.804	7.322	6195	20971	0.002	0.006	#
6)		d-BHC	6.607	7.266	13307	21809	BelowCal	0.003	
7)		Aldrin	7.041	7.560	8198	11903	0.002	0.003	#
8)		Heptachlo...	7.506	8.020	22342	14523	0.007	0.004	#
9)		trans-Chl...	7.605	8.134f	77929	10952	0.025	BelowCal	#
10)		cis-Chlor...	7.683	8.274	15076	59550	0.005	0.017	#
11)		Endosulfa...	7.765f	8.319	141626	38829	0.048	0.012	#
12)		4,4'-DDE	7.765	8.377	141626	20449	0.053	BelowCal	#
13)		Dieldrin	0.000	8.538f	0	21941	N.D.	BelowCal	
14)		Endrin	8.143	8.753	13451	24775	0.005	BelowCal	#
15)		4,4'-DDD	8.172	8.793	19180	31745	0.009	BelowCal	#
16)		Endosulfa...	8.313	8.906	21844	44977	0.009	BelowCal	#
17)		4,4'-DDT	8.390	0.000	20455	0	BelowCal	N.D.	
18)		Endrin Al...	8.591	9.134	187496	113907	0.080	0.044	#
19)		Endosulfa...	8.902	9.328	23515	66654	0.010	0.025	#
20)		Methoxychlor	8.725	9.502	37763	65208	BelowCal	BelowCal	
21)		Endrin Ke...	9.092	9.722	60273	144009	0.021	BelowCal	#
23)		Hexachlor...	3.356	3.737	5916	24198	0.002	BelowCal	#
24)		Hexachlor...	5.950	6.482	607793	41178	0.192	BelowCal	#
25)		Oxychlordane	7.442	7.948	7790	31000	0.003	0.010	#
26)		2,4'-DDE	7.506	8.134	22342	10952	0.012	BelowCal	#
27)		trans-Non...	7.683	8.191f	15076	405843	0.005	0.015	#
28)		2,4'-DDD	0.000	8.538	0	21941	N.D.	BelowCal	
29)		2,4'-DDT	8.069	8.753	18222	24775	0.010	BelowCal	#
30)		cis-Nonac...	8.168	8.793	20838	31745	0.006	BelowCal	#
31)		Mirex	8.836	9.722	35714	144009	0.016	BelowCal	#
32)		Chlordane...	7.605	8.191f	77929	405843	0.225	0.917	#
33)		Chlordane...	7.730	8.274	264736	59550	0.632	0.155	#
34)		Chlordane...	8.265	8.946	11117	2020645	0.099	15.859	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.683	8.479f	15076	13047	1.109	0.419	#
37)		Toxaphene...	0.000	8.840	0	9005	N.D.	0.222	#
38)		Toxaphene...	8.313	8.876	21844	24398	0.356	0.382	
39)		Toxaphene...	8.508f	8.946	1530400	2020645	25.035	19.165	
40)		Toxaphene...	8.763	9.134	17236	113907	0.360	1.995	#
41)		Toxaphene...	8.836	9.502	35714	65208	0.591	1.066	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

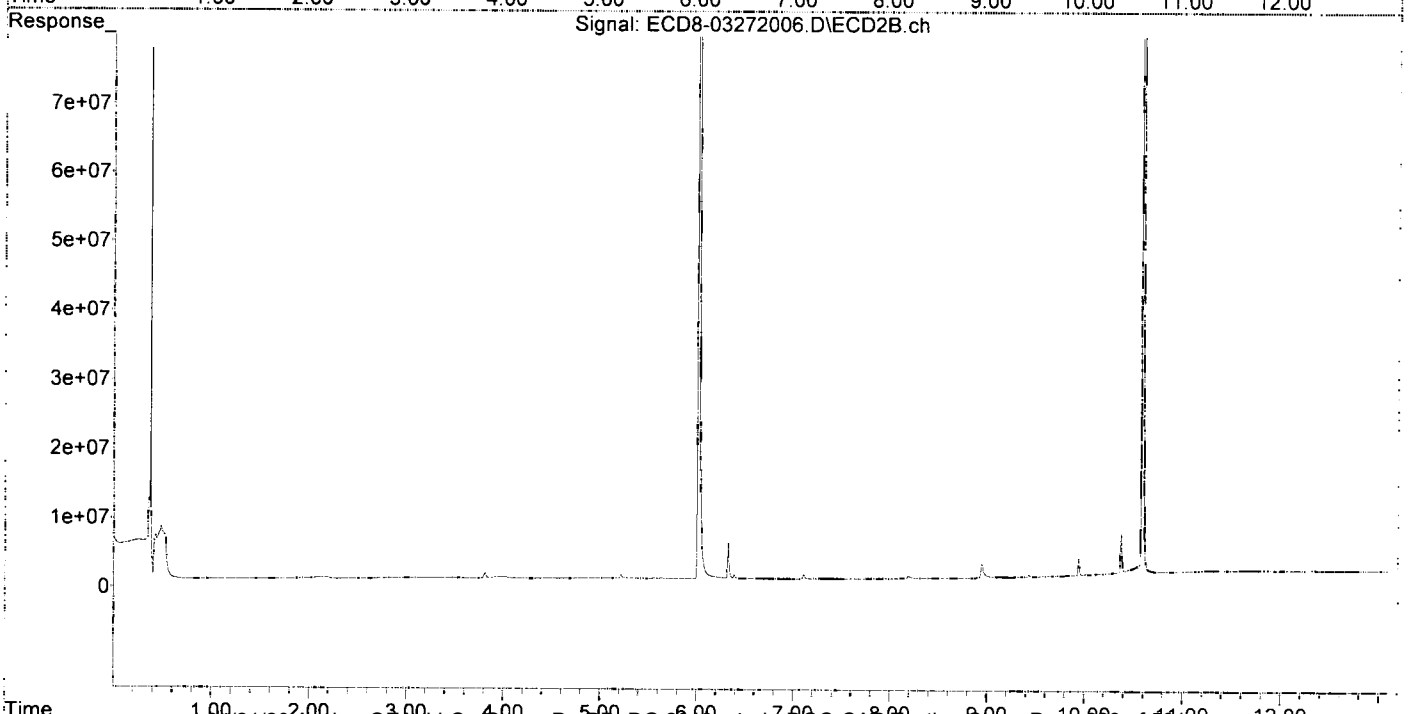
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 12:45
Operator : MJB
Sample : 0C27035-CCB1
Misc : A20C404
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 13:53:34 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:01
Operator : MJB
Sample : 0030882-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: Mar 27 13:53:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

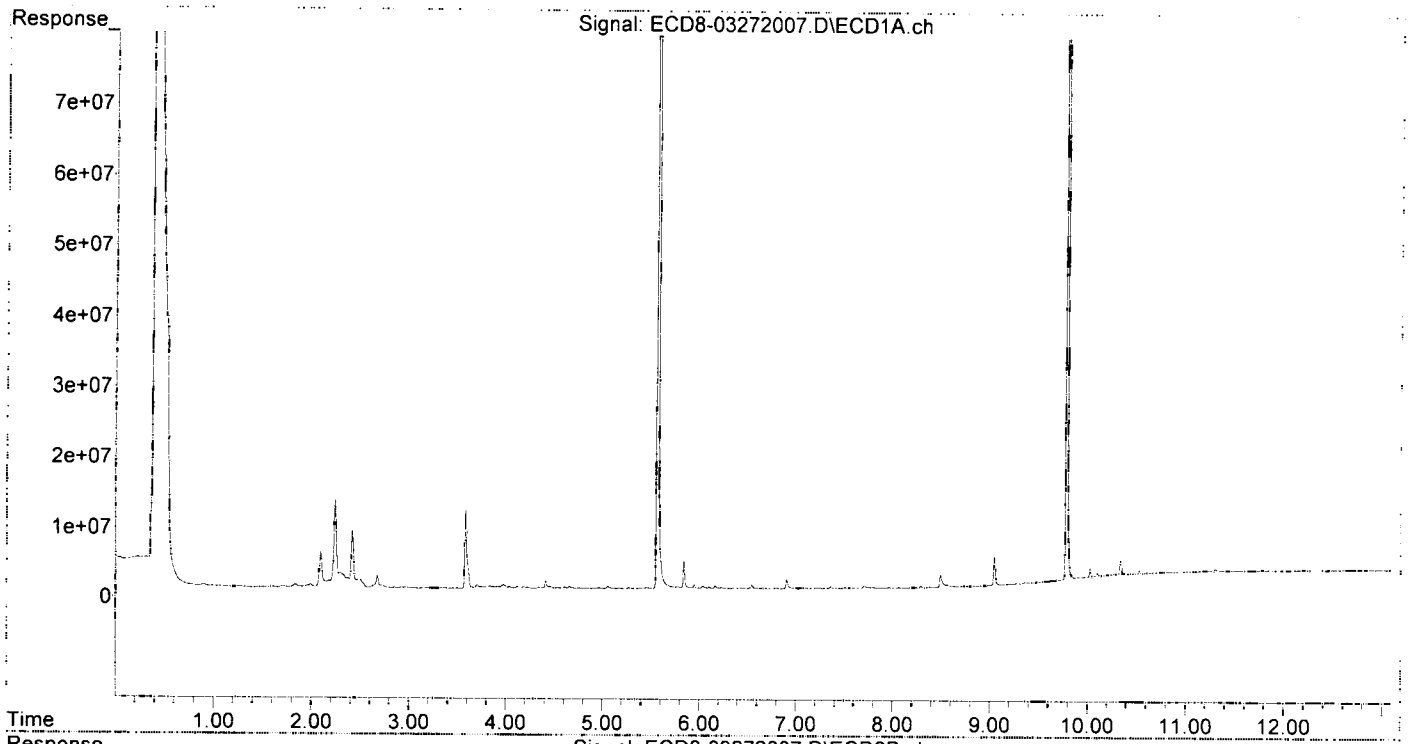
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.017	225.3E6	271.6E6	71.297	73.734	
22)	S	DCBP (S)	9.787	10.590	210.8E6	204.6E6	96.714	99.996	
		Target Compounds							
2)		a-BHC	6.104	0.000	241430	0	0.057	N.D.	#
3)		g-BHC	6.397	6.951	45684	17012	0.013	0.004	#
4)		b-BHC	6.458	6.996	124962	54358	BelowCal	0.033	
5)		Heptachlor	6.809	7.292f	43997	25028	0.013	0.007	#
6)		d-BHC	6.596f	7.238f	64701	51850	BelowCal	0.012	
7)		Aldrin	7.047	7.604f	55144	59492	0.016	0.016	
8)		Heptachlo...	7.511	8.004	135788	195846	0.042	0.057	#
9)		trans-Chl...	7.589	8.152	54842	158193	0.018	BelowCal	#
10)		cis-Chlor...	7.707	8.262	347015	82353	0.111	0.024	#
11)		Endosulfa...	7.802	8.310	146242	31372	0.050	0.010	#
12)		4,4'-DDE	7.762	8.374	201696	151004	0.075	0.027	#
13)		Dieldrin	7.964	8.528	136956	80845	0.042	0.000	#
14)		Endrin	8.143	8.751	5426	109931	0.002	0.032	#
15)		4,4'-DDD	8.188	8.791	47675	50169	0.023	BelowCal	#
16)		Endosulfa...	8.294	8.905	275691	36628	0.111	BelowCal	#
17)		4,4'-DDT	8.383	9.016	57844	188726	BelowCal	BelowCal	
18)		Endrin Al...	8.591	9.107f	160962	237759	0.069	0.092	#
19)		Endosulfa...	8.898	9.323	22785	26632	0.009	0.010	
20)		Methoxychlor	8.721	9.486	19972	71175	BelowCal	BelowCal	
21)		Endrin Ke...	9.121f	9.715	75651	226542	0.026	BelowCal	#
23)		Hexachlor...	3.358	3.695f	98347	10239421	0.028	2.478	#
24)		Hexachlor...	5.949	6.484	544982	119054	0.172	BelowCal	#
25)		Oxychlordane	7.432	7.945	27037	40208	0.009	0.012	#
26)		2,4'-DDE	7.511	8.152	135788	158193	0.073	0.017	#
27)		trans-Non...	7.707	8.182f	347015	695121	0.110	0.107	
28)		2,4'-DDD	7.884	8.528	63794	80845	0.041	BelowCal	#
29)		2,4'-DDT	8.067	8.751	100028	109931	0.053	BelowCal	#
30)		cis-Nonac...	8.188f	8.791	47675	50169	0.014	BelowCal	#
31)		Mirex	8.845	9.715	51927	226542	0.023	BelowCal	#
32)		Chlordane...	7.645f	8.152	41469	158193	0.120	0.357	#
33)		Chlordane...	7.707	8.262	347015	82353	0.829	0.214	#
34)		Chlordane...	8.260	8.938	23613	2262058	0.209	18.162	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.707	8.480f	347015	21318	25.527	0.684	#
37)		Toxaphene...	7.964f	8.866	136956	67042	4.912	1.650	#
38)		Toxaphene...	8.294	8.905	275691	36628	4.493	0.574	#
39)		Toxaphene...	8.561	8.938	324810	2262058	5.313	21.455	#
40)		Toxaphene...	8.775	9.107f	12086	237759	0.252	4.165	#
41)		Toxaphene...	8.845	9.486f	51927	71175	0.859	1.163	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

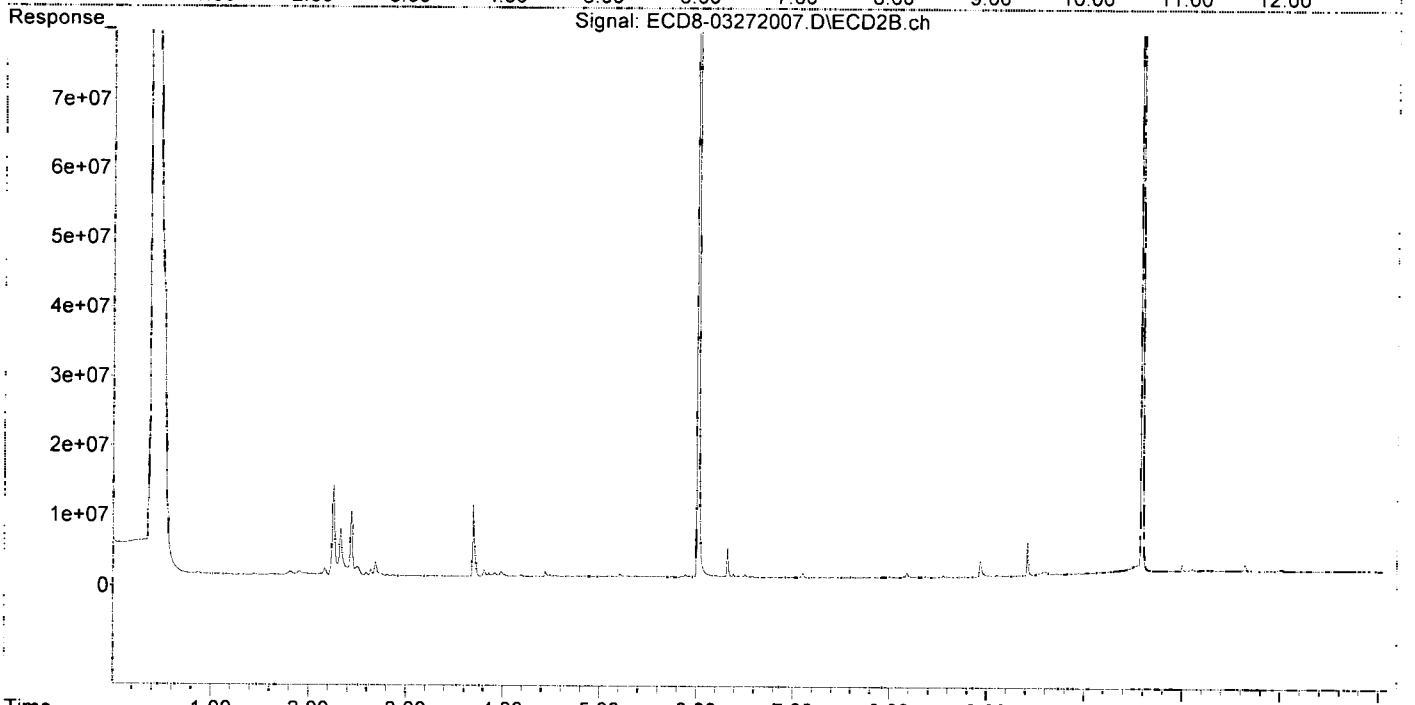
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:01
Operator : MJB
Sample : 0030882-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: Mar 27 13:53:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:18
Operator : MJB
Sample : 0030882-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: Mar 27 13:53:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

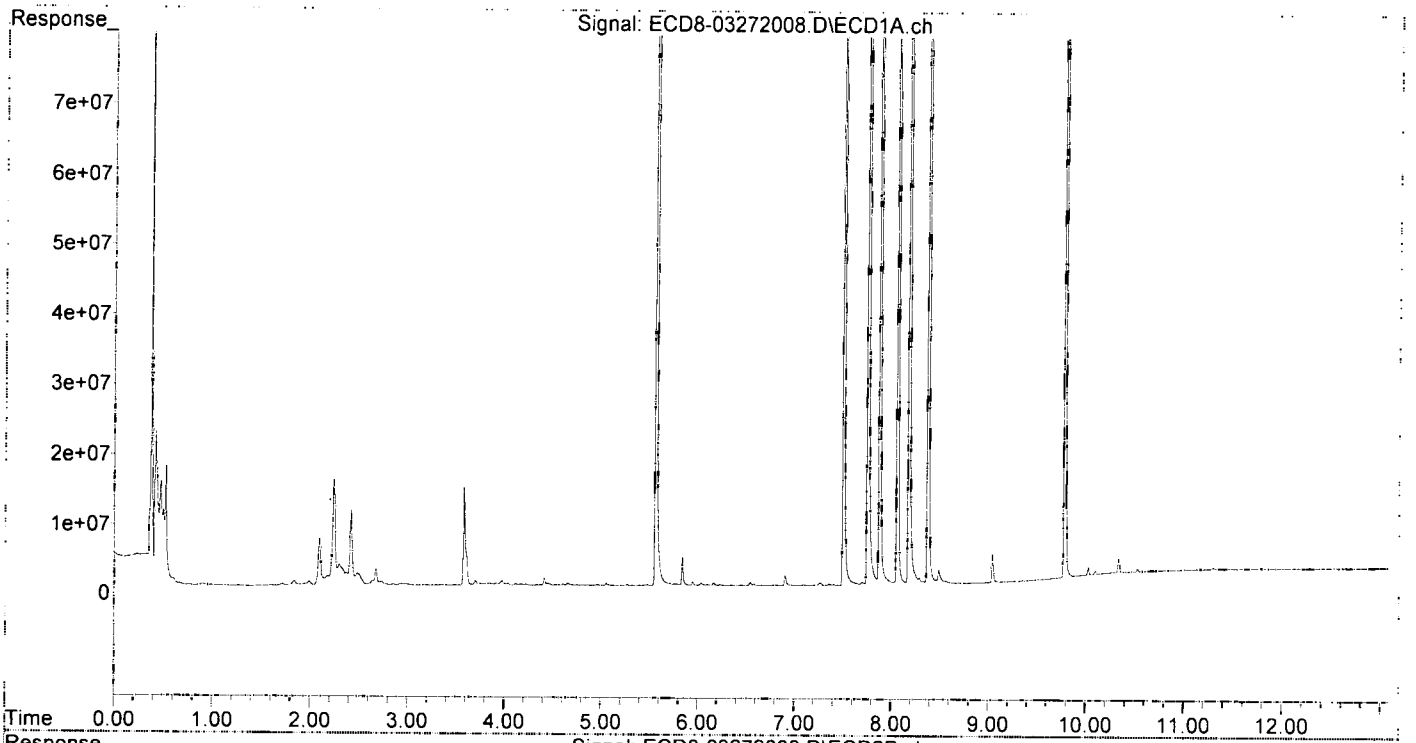
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.017	240.1E6	287.0E6	75.963	77.916	
22)	S	DCBP (S)	9.786	10.590	205.5E6	201.1E6	94.330	98.436	
		Target Compounds							
2)		a-BHC	6.105	0.000	233880	0	0.055	N.D.	#
3)		g-BHC	6.398	6.969f	47211	20325	0.013	0.005	#
4)		b-BHC	6.458	6.993	128273	52969	BelowCal	0.032	
5)		Heptachlor	6.809	7.314	136811	32495	0.040	0.009	#
6)		d-BHC	6.584f	7.262	248238	35677	0.070	0.007	#
7)		Aldrin	7.044	7.602f	53283	74604	0.016	0.020	#
8)		Heptachlo...	7.509	8.003	160.7E6	382625	50.223	0.112	#
9)		trans-Chl...	7.619	8.151	497885	189.9E6	0.159	55.564	#
10)		cis-Chlor...	7.706	8.271	407622	299108	0.131	0.087	#
11)		Endosulfa...	0.000	8.285f	0	356187	N.D.	0.113	#
12)		4,4'-DDE	7.760	8.373	234.2E6	305.5E6	87.169	88.014	
13)		Dieldrin	0.000	8.524	0	189.2E6	N.D.	53.060	#
14)		Endrin	0.000	8.749	0	207.8E6	N.D.	74.941	#
15)		4,4'-DDD	8.184	8.789	204.9E6	256.1E6	98.794	99.355	
16)		Endosulfa...	8.293	8.897	895993	819364	0.360	0.251	#
17)		4,4'-DDT	8.382	9.016	219.3E6	262.4E6	98.419	103.316	
18)		Endrin Al...	8.559f	9.140	431704	350385	0.185	0.136	#
19)		Endosulfa...	8.896	9.322	21862	33526	0.009	0.013	#
20)		Methoxychlor	8.703	9.497	60271	45694	BelowCal	BelowCal	
21)		Endrin Ke...	0.000	9.734	0	136072	N.D.	BelowCal	
23)		Hexachlor...	3.359	3.696f	209441	13077422	0.060	3.179	#
24)		Hexachlor...	5.950	6.482	603771	135890	0.190	BelowCal	#
25)		Oxychlordane	7.411f	7.945	185845	110959	0.065	0.034	#
26)		2,4'-DDE	7.509	8.151	160.7E6	189.9E6	86.918	78.024	
27)		trans-Non...	7.706	0.000	407622	0	0.130	N.D.	#
28)		2,4'-DDD	7.882	8.524	155.5E6	189.2E6	101.077	95.067	
29)		2,4'-DDT	8.066	8.749	181.9E6	207.8E6	96.187	92.102	
30)		cis-Nonac...	8.184	8.789	204.9E6	256.1E6	59.296	62.680	
31)		Mirex	8.846	9.716	42036	134168	0.018	BelowCal	#
32)		Chlordane...	7.619	8.151	497885	189.9E6	1.436	429.180	#
33)		Chlordane...	7.706	8.271	407622	299108	0.974	0.778	
34)		Chlordane...	8.293f	8.937	895993	2636664	7.945	21.733	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.706	8.524f	407622	189.2E6	29.986	6068.531	#
37)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)		Toxaphene...	8.293	8.897	895993	819364	14.602	12.838	
39)		Toxaphene...	8.559	8.937	431704	2636664	7.062	25.008	#
40)		Toxaphene...	8.759	9.140	31661	350385	0.661	6.138	#
41)		Toxaphene...	8.846	9.516	42036	49578	0.696	0.810	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

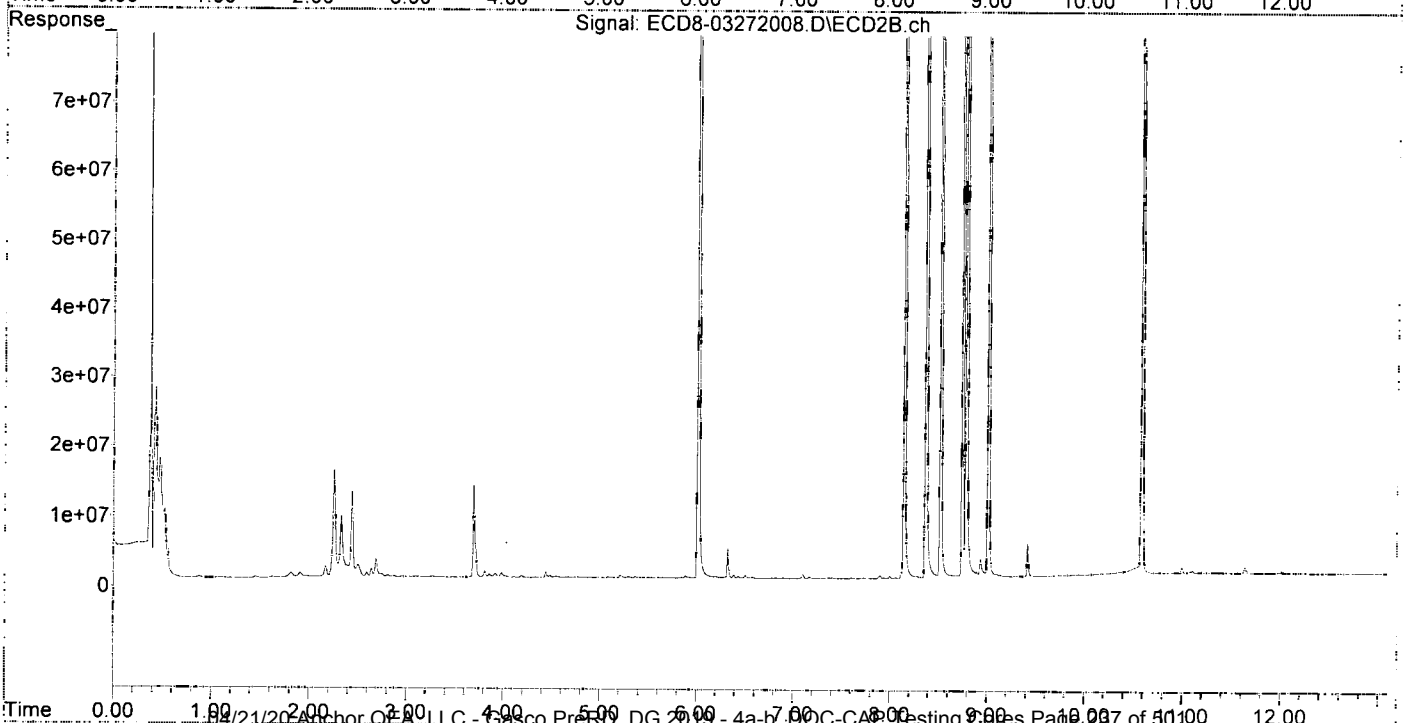
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:18
Operator : MJB
Sample : 0030882-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: Mar 27 13:53:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
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: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

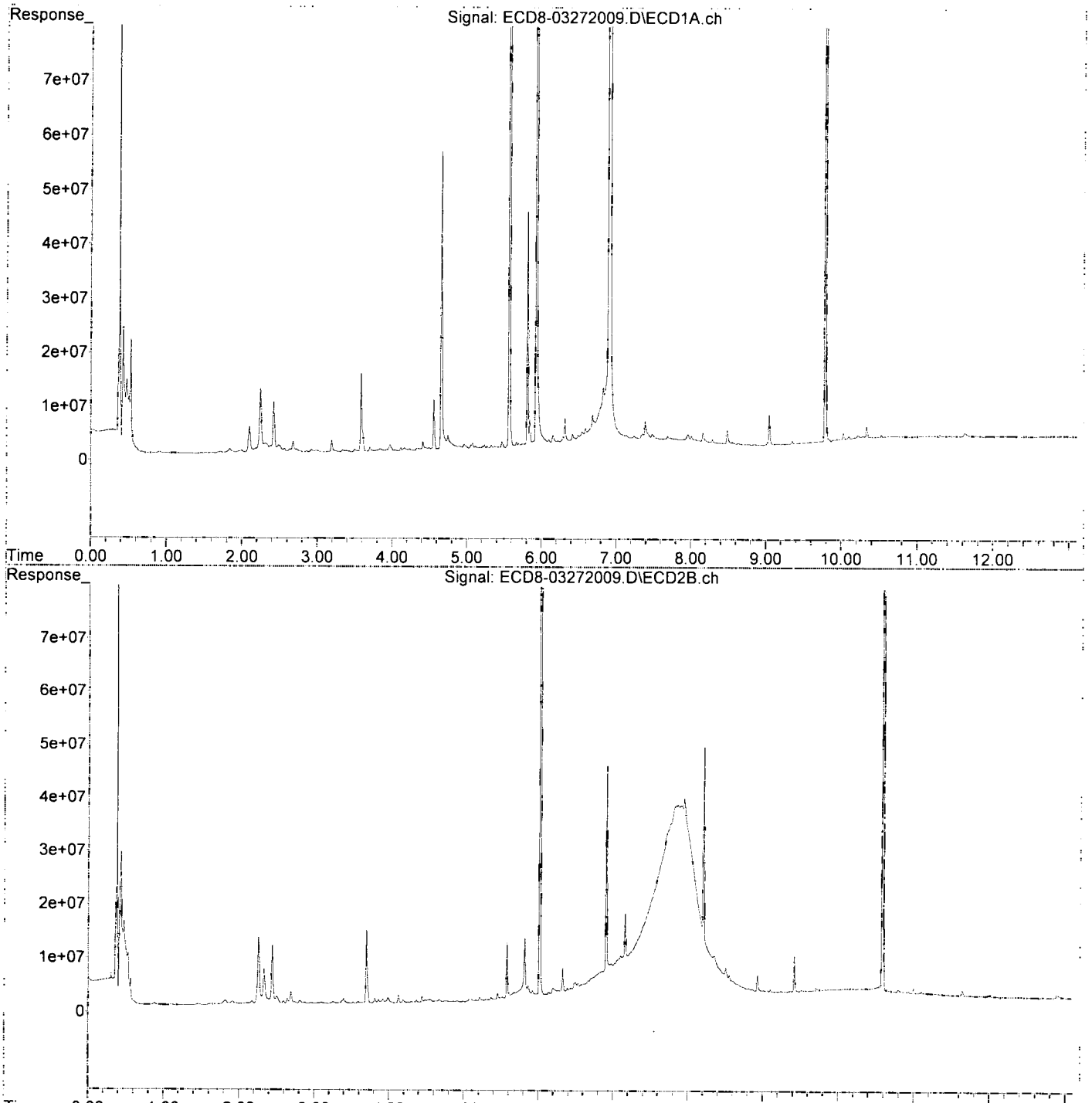
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.016	227.2E6	276.2E6	71.890	74.982	
22)	S	DCBP (S)	9.787	10.590	209.1E6	205.6E6	95.940	100.480	
		Target Compounds							
2)		a-BHC	6.097	6.614	1673029	3149936	0.392	0.753	#
3)		g-BHC	6.416f	6.907f	2605674	43804779	0.714	11.310	#
4)		b-BHC	6.490f	7.020	2381082	7007570	1.892	4.282	#
5)		Heptachlor	6.827f	0.000	11269022	0	3.329	N.D.	#
6)		d-BHC	6.591f	7.236f	3778312	9060309	1.481	2.791	#
7)		Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)		Heptachlo...	7.485f	0.000	2391359	0	0.747	N.D.	#
9)		trans-Chl...	7.604	0.000	1523138	0	0.487	N.D.	#
10)		cis-Chlor...	7.691	0.000	1969778	0	0.632	N.D.	#
11)		Endosulfa...	7.791	8.328	1525486	7999171	0.517	2.543	#
12)		4,4'-DDE	7.758	8.361	1553509	7755171	0.578	2.587m	# P-01
13)		Dieldrin	7.962	8.505	2222934	5964424	0.678	1.798	#
14)		Endrin	8.162f	8.747	2509763	2332632	0.965	0.961	
15)		4,4'-DDD	8.179	8.785	1479999	2078700	0.714m	0.924	#
16)		Endosulfa...	8.290	8.857f	1184545	1886791	0.475	0.698	#
17)		4,4'-DDT	8.384	9.014	567141	1683860	0.187	0.739	#
18)		Endrin Al...	8.629f	9.129	369773	1471069	0.159	0.570	#
19)		Endosulfa...	8.864f	9.346f	184636	1467643	0.075	0.551	#
20)		Methoxychlor	8.729	9.487	167696	1444197	BelowCal	1.292	
21)		Endrin Ke...	0.000	9.708	0	2105165	N.D.	0.641	#
23)		Hexachlor...	3.336f	3.696f	362929	13572083	0.105	3.301	#
24)		Hexachlor...	5.929f	6.480	176.3E6	3371473	55.560	0.904	#
25)		Oxychlordane	7.421	7.944	2699260	37599332	0.939	11.561	#
26)		2,4'-DDE	7.498	8.129f	2186865	16675069	1.183m	7.728m	# P-01
27)		trans-Non...	7.691	8.209	1969778	47305073	0.627	14.447	#
28)		2,4'-DDD	7.880	8.505f	1286756	5964424	0.837	3.410	# P-01
29)		2,4'-DDT	8.063	8.747	1272836	2332632	0.673	1.162	# P-01
30)		cis-Nonac...	8.162	8.785	2509763	2078700	0.726	0.516	#
31)		Mirex	8.833	9.708	162826	2105165	0.071	0.704	#
32)		Chlordane...	7.604	0.000	1523138	0	4.393	N.D.	#
33)		Chlordane...	7.734f	0.000	1594847	0	3.810	N.D.	#
34)		Chlordane...	8.265	8.931	764319	4514912	6.777	39.592	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.691	8.505	1969778	5964424	144.903	191.356	#
37)		Toxaphene...	8.007	8.857	1920125	1886791	68.867	46.433	#
38)		Toxaphene...	8.290	8.857f	1184545	1886791	19.305	29.563	#
39)		Toxaphene...	8.552	8.931f	667589	4514912	10.921	42.822	#
40)		Toxaphene...	8.786	9.129	157863	1471069	3.294	25.771	#
41)		Toxaphene...	8.833	9.514	162826	1719186	2.694	28.101	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
Misc : 1x, 8081B 2,4+4,4 DDx Only
ALS Vial : 10 Sample Multiplier: 1

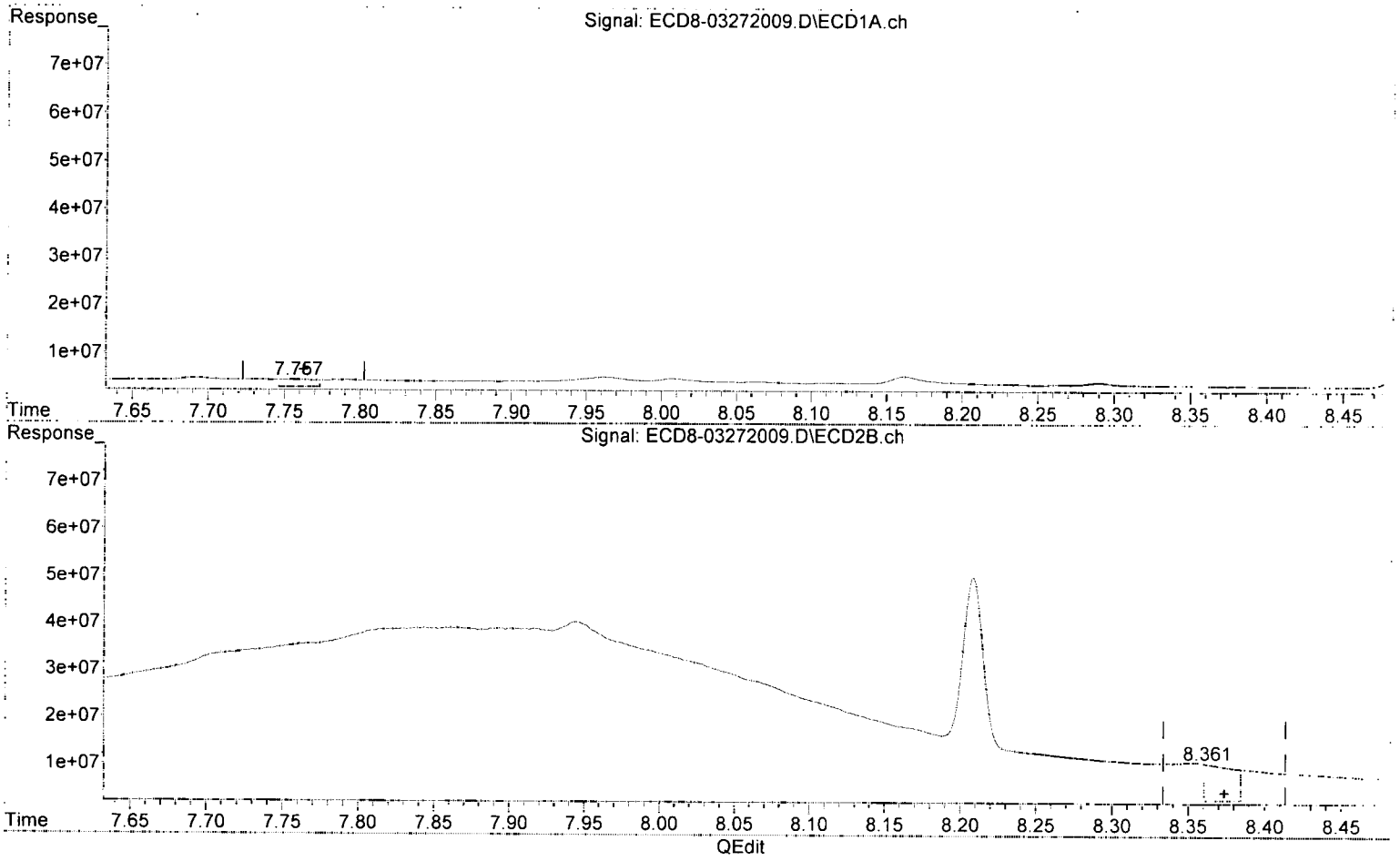
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
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: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE

7.758min 0.578 ng/mL

response 1553509

MJB 3/27/20

(12) 4,4'-DDE #2

8.361min 2.587 ng/mL (m) P-01

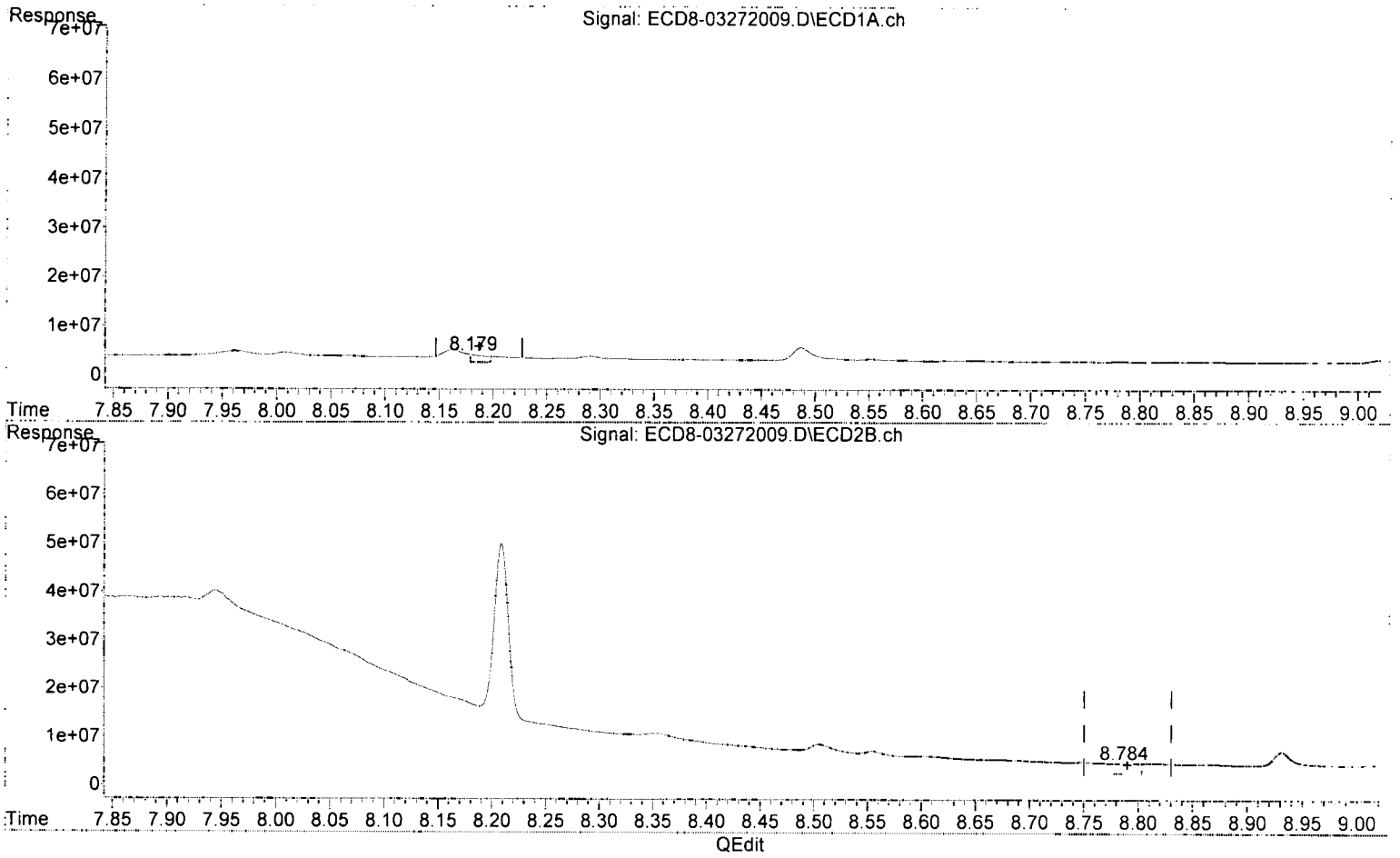
response 7755171

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
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: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD

8.179min 0.714 ng/mL (m)

response 1479999

MJB 3/27/20

(15) 4,4'-DDD #2

8.785min 0.924 ng/mL

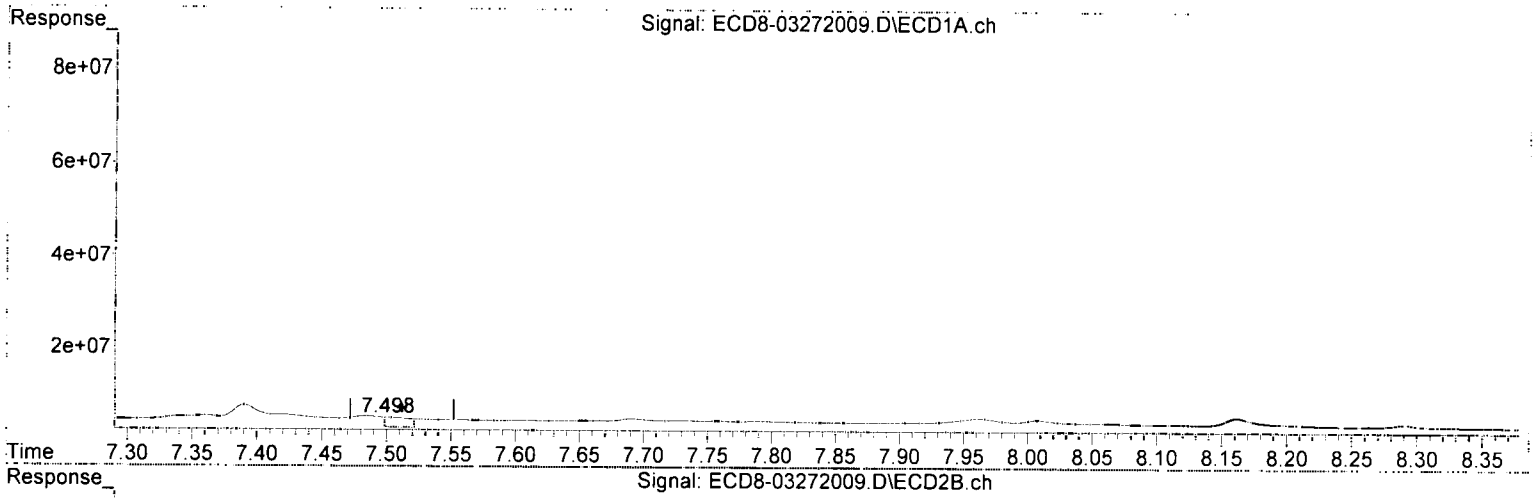
response 2078700

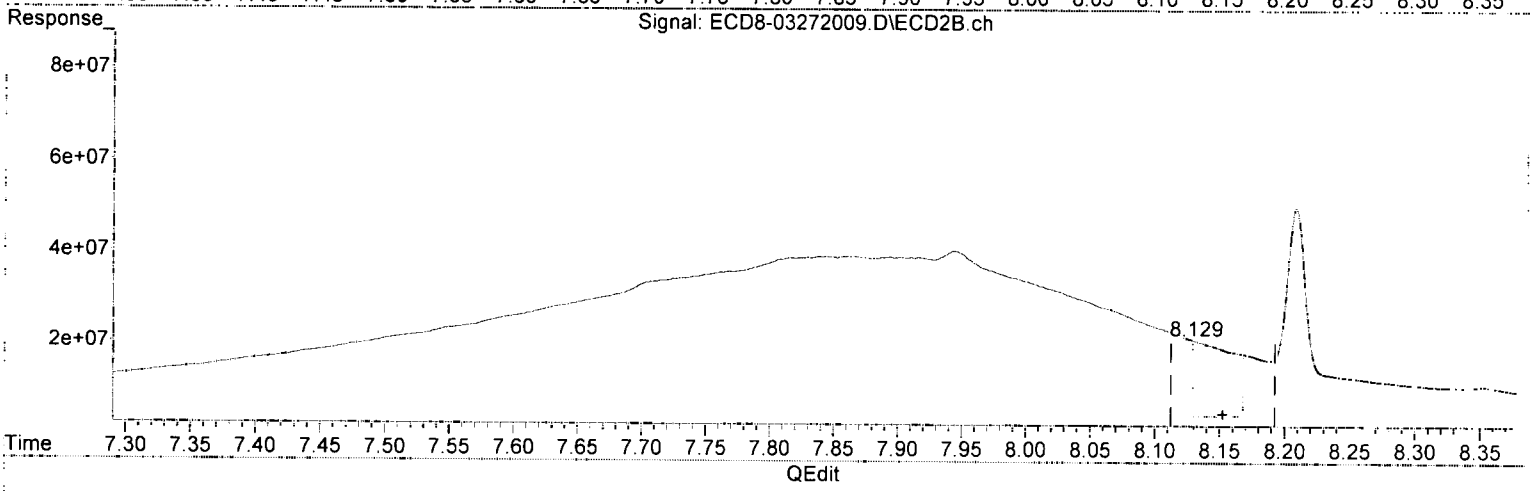
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
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: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





(26) 2,4'-DDE

7.498min 1.183 ng/mL (m) MDL=MRL

response 2186865

MJB 3/27/20

(26) 2,4'-DDE #2

8.129min 7.728 ng/mL (m) P-01

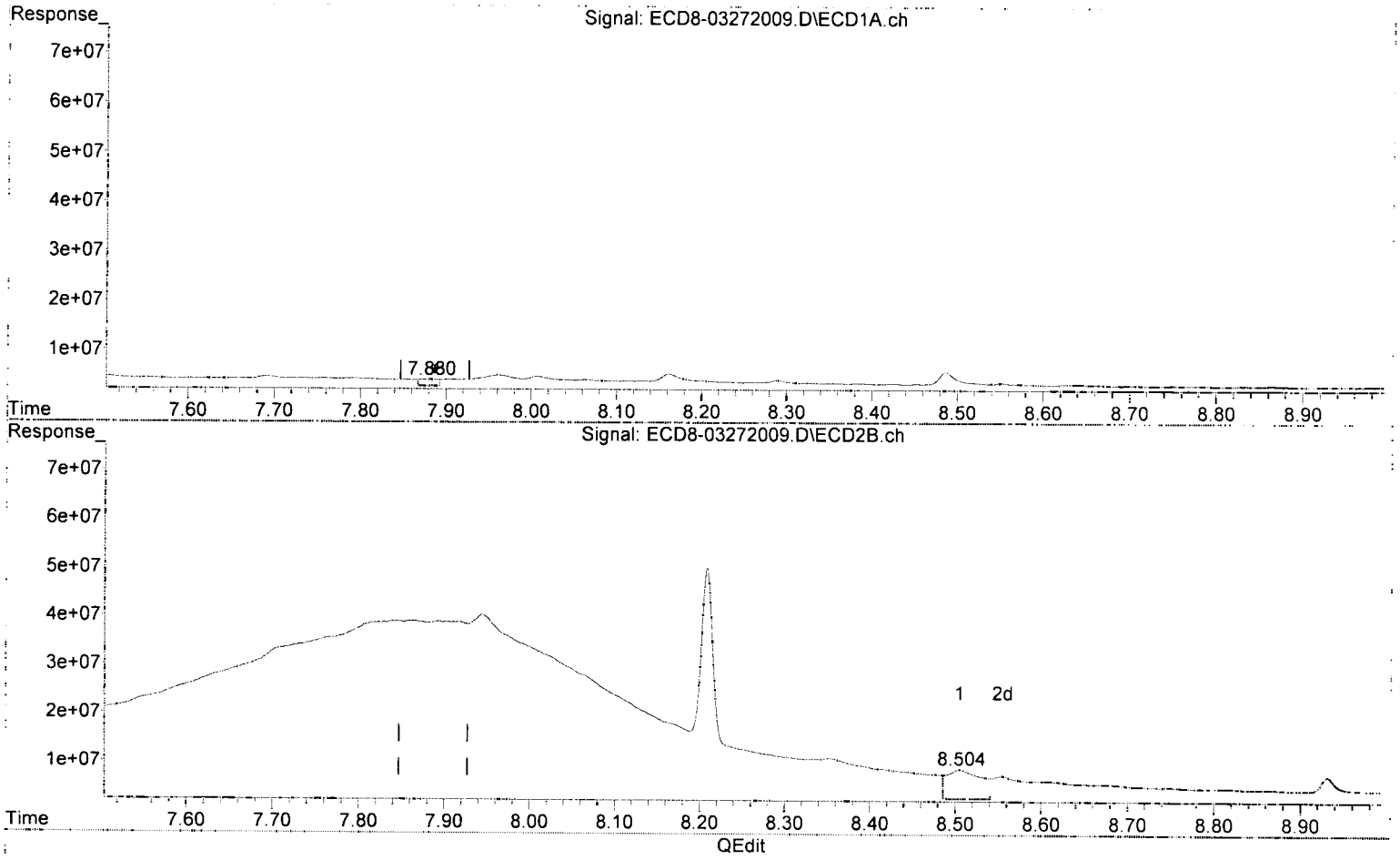
response 16675069

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
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: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD

7.880min 0.837 ng/mL

response 1286756

MJB 3/27/20

(28) 2,4'-DDD #2

8.505min 3.410 ng/mL P-01

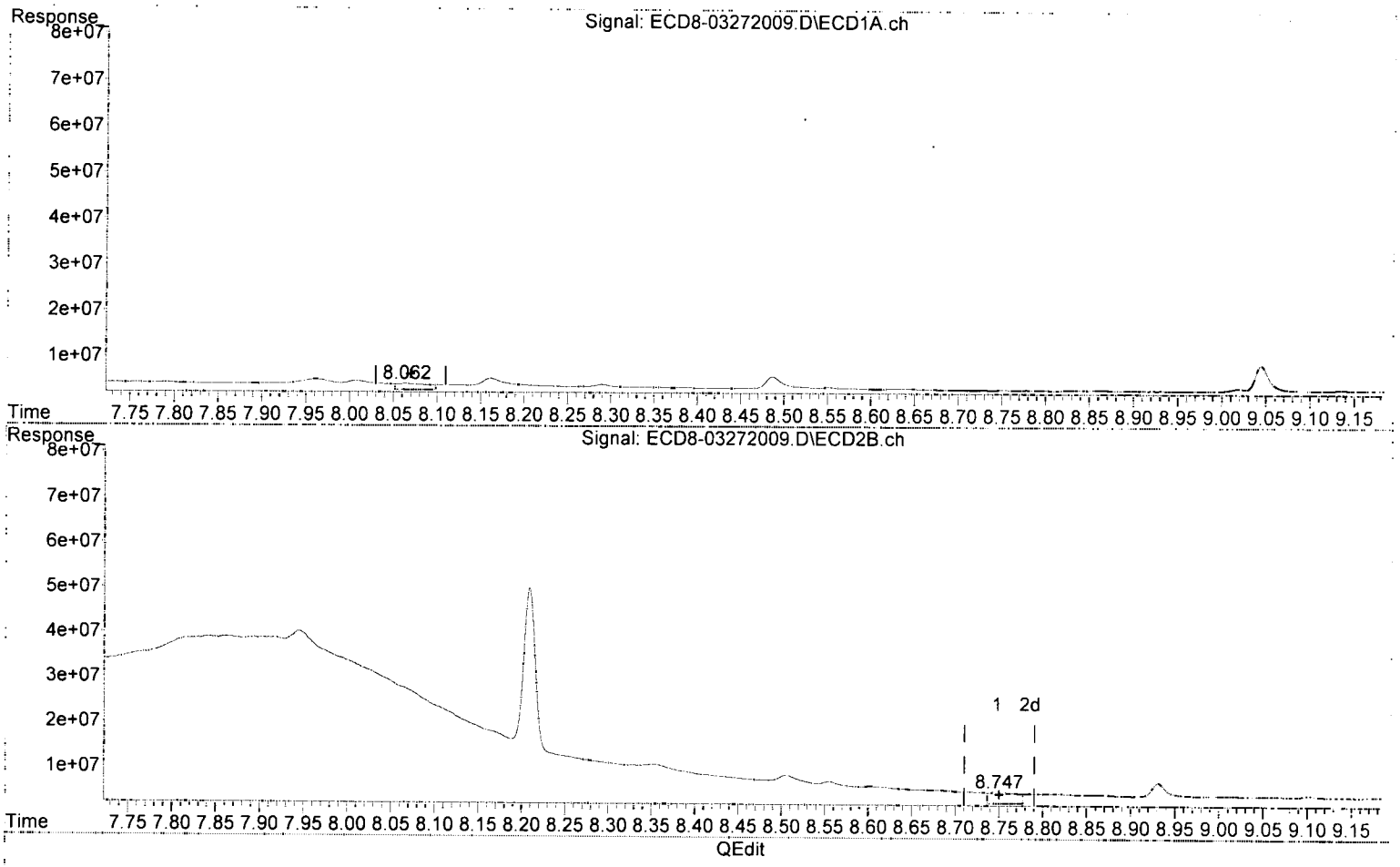
response 5964424

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
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: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT

8.063min 0.673 ng/mL

response 1272836

MJP 3/27/20

(29) 2,4'-DDT #2

8.747min 1.162 ng/mL P-01

response 2332632

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
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: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MT
MJB 3/27/20

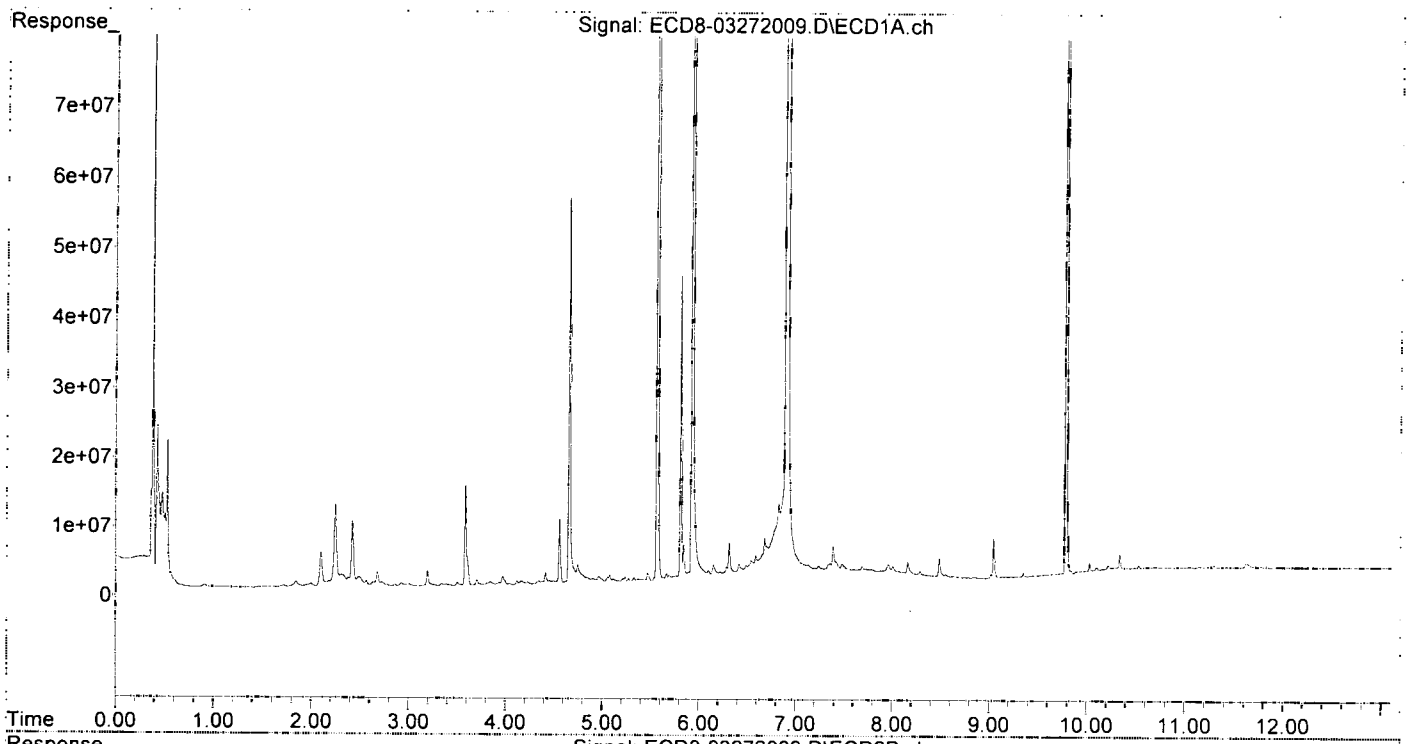
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.016	227.2E6	276.2E6	71.890	74.982	
22)	S	DCBP (S)	9.787	10.590	209.1E6	205.6E6	95.940	100.480	
		Target Compounds							
2)		a-BHC	6.097	6.614	1673029	3149936	0.392	0.753	#
3)		g-BHC	6.416f	6.907f	2605674	43804779	0.714	11.310	#
4)		b-BHC	6.490f	7.020	2381082	7007570	1.892	4.282	#
5)		Heptachlor	6.827f	0.000	11269022	0	3.329	N.D.	#
6)		d-BHC	6.591f	7.236f	3778312	9060309	1.481	2.791	#
7)		Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)		Heptachlo...	7.485f	0.000	2391359	0	0.747	N.D.	#
9)		trans-Chl...	7.604	0.000	1523138	0	0.487	N.D.	#
10)		cis-Chlor...	7.691	0.000	1969778	0	0.632	N.D.	#
11)		Endosulfa...	7.791	8.328	1525486	7999171	0.517	2.543	#
12)		4,4'-DDE	7.758	8.353f	1553509	8204248	0.578	2.737	#
13)		Dieldrin	7.962	8.505	2222934	5964424	0.678	1.798	#
14)		Endrin	8.162f	8.747	2509763	2332632	0.965	0.961	
15)		4,4'-DDD	8.162f	8.785	2509763	2078700	1.210	0.924	
16)		Endosulfa...	8.290	8.857f	1184545	1886791	0.475	0.698	#
17)		4,4'-DDT	8.384	9.014	567141	1683860	0.187	0.739	#
18)		Endrin Al...	8.629f	9.129	369773	1471069	0.159	0.570	#
19)		Endosulfa...	8.864f	9.346f	184636	1467643	0.075	0.551	#
20)		Methoxychlor	8.729	9.487	167696	1444197	BelowCal	1.292	
21)		Endrin Ke...	0.000	9.708	0	2105165	N.D.	0.641	#
23)		Hexachlor...	3.336f	3.696f	362929	13572083	0.105	3.301	#
24)		Hexachlor...	5.929f	6.480	176.3E6	3371473	55.560	0.904	#
25)		Oxychlordane	7.421	7.944	2699260	37599332	0.939	11.561	#
26)		2,4'-DDE	7.485f	0.000	2391359	0	1.293	N.D.	#
27)		trans-Non...	7.691	8.209	1969778	47305073	0.627	14.447	#
28)		2,4'-DDD	7.880	8.505f	1286756	5964424	0.837	3.410	#
29)		2,4'-DDT	8.063	8.747	1272836	2332632	0.673	1.162	#
30)		cis-Nonac...	8.162	8.785	2509763	2078700	0.726	0.516	#
31)		Mirex	8.833	9.708	162826	2105165	0.071	0.704	#
32)		Chlordane...	7.604	0.000	1523138	0	4.393	N.D.	#
33)		Chlordane...	7.734f	0.000	1594847	0	3.810	N.D.	#
34)		Chlordane...	8.265	8.931	764319	4514912	6.777	39.592	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.691	8.505	1969778	5964424	144.903	191.356	#
37)		Toxaphene...	8.007	8.857	1920125	1886791	68.867	46.433	#
38)		Toxaphene...	8.290	8.857f	1184545	1886791	19.305	29.563	#
39)		Toxaphene...	8.552	8.931f	667589	4514912	10.921	42.822	#
40)		Toxaphene...	8.786	9.129	157863	1471069	3.294	25.771	#
41)		Toxaphene...	8.833	9.514	162826	1719186	2.694	28.101	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

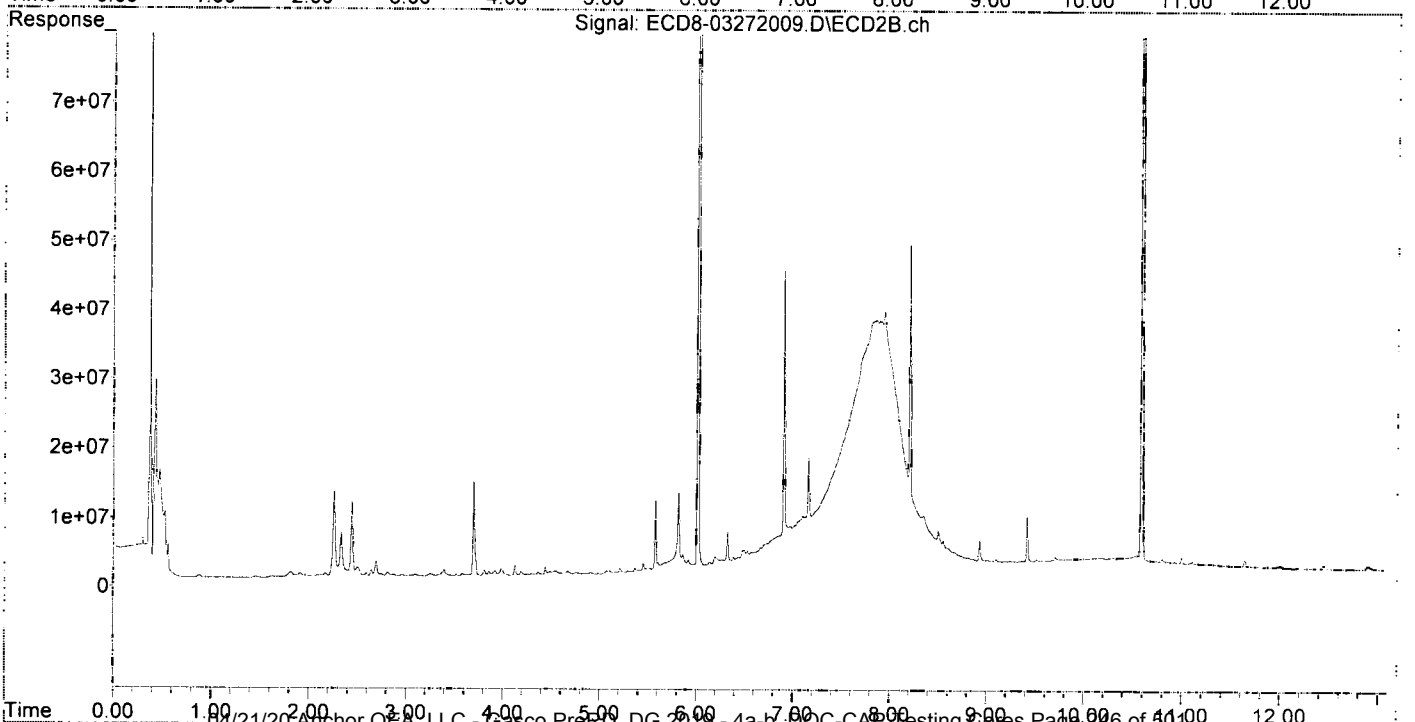
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:34
Operator : MJB
Sample : A0C0715-01
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: Mar 27 13:53:46 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:51
Operator : MJB
Sample : 0030882-MS1
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: Mar 27 14:09:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

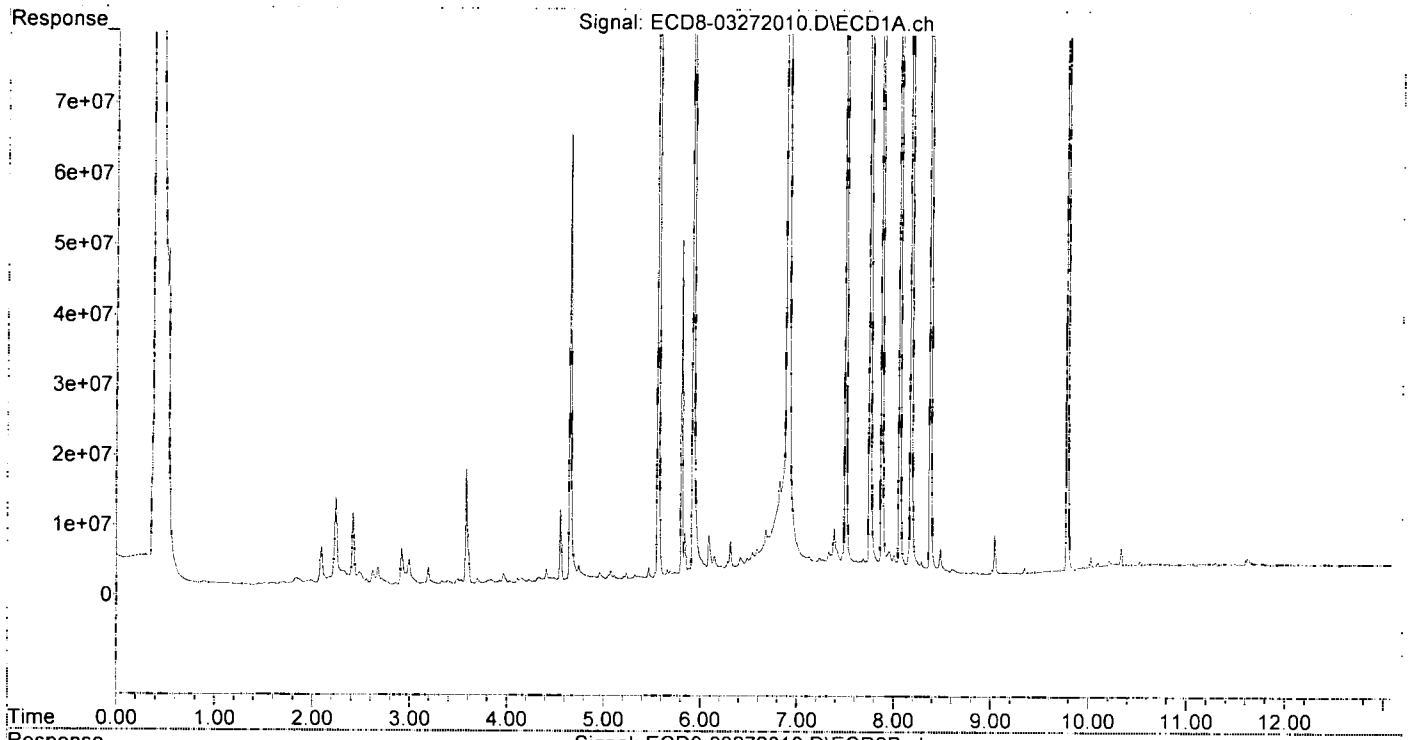
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.017	287.4E6	345.3E6	90.920	93.761	
22)	S	DCBP (S)	9.786	10.590	261.4E6	254.5E6	119.814	122.343	
		Target Compounds							
2)		a-BHC	6.092	6.609	6295180	3770926	1.476	0.892	#
3)		g-BHC	6.420f	6.954	3042794	8182420	0.834	2.113	#
4)		b-BHC	6.489f	7.022	2937274	8647108	2.369	5.284	#
5)		Heptachlor	6.826f	0.000	13935311	0	4.116	N.D.	#
6)		d-BHC	6.591f	0.000	4214224	0	1.655	N.D.	#
7)		Aldrin	7.072f	0.000	3057588	0	0.898	N.D.	#
8)		Heptachlo...	7.506	7.991f	212.3E6	44021368	66.339	12.915	#
9)		trans-Chl...	7.595	8.150	2215379	279.7E6	0.708	78.595	#
10)		cis-Chlor...	7.688	0.000	2522793	0	0.809	N.D.	#
11)		Endosulfa...	0.000	8.321	0	10838628	N.D.	3.445	#
12)		4,4'-DDE	7.758	8.371	329.7E6	441.3E6	122.732 FPT	120.534	
13)		Dieldrin	7.959	8.524	3491579	253.3E6	1.065	69.273	#
14)		Endrin	0.000	8.748	0	272.4E6	N.D.	94.745	#
15)		4,4'-DDD	8.181	8.788	295.7E6	358.8E6	142.620	131.398	
16)		Endosulfa...	8.289	8.896	1968864	2911078	0.790	1.125	#
17)		4,4'-DDT	8.380	9.016	298.0E6	349.4E6	127.609	129.837	
18)		Endrin Al...	8.603	9.138	841109	2302960	0.361	0.892	#
19)		Endosulfa...	8.864f	9.304	225851	1955768	0.091	0.735	#
20)		Methoxychlor	8.715	9.510	316833	2299683	0.123	2.195	#
21)		Endrin Ke...	0.000	9.730	0	2525296	N.D.	0.815	#
23)		Hexachlor...	3.354	3.695f	241435	15602051	0.070	3.802	#
24)		Hexachlor...	5.928f	6.476	225.5E6	4396946	71.088	1.217	#
25)		Oxychlordane	0.000	7.942	0	50214197	N.D. MDL	15.440	#
26)		2,4'-DDE	7.506	8.150	212.3E6	279.7E6	114.808 MDL	109.143	
27)		trans-Non...	7.688	8.209	2522793	59103611	0.803	17.964	#
28)		2,4'-DDD	7.880	8.524	208.3E6	253.3E6	135.408 FPT	121.922	
29)		2,4'-DDT	8.065	8.748	241.6E6	272.4E6	127.758 FPT	115.466	
30)		cis-Nonac...	8.181	8.788	295.7E6	358.8E6	85.601	84.518	
31)		Mirex	8.864f	9.706	225851	3025031	0.099	1.170	#
32)		Chlordane...	7.618	8.150	2228813	279.7E6	6.428	632.011	#
33)		Chlordane...	7.724	0.000	2153722	0	5.145	N.D.	#
34)		Chlordane...	8.289	8.928	1968864	5854618	17.458	52.285	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.688	8.524f	2522793	253.3E6	185.584	8126.881	#
37)		Toxaphene...	8.005	8.868	2962800	3102444	106.264	76.349	#
38)		Toxaphene...	8.289	8.896	1968864	2911078	32.087	45.611	#
39)		Toxaphene...	8.551	8.928f	748840	5854618	12.250	55.529	#
40)		Toxaphene...	8.771	9.138	224038	2302960	4.674	40.344	#
41)		Toxaphene...	8.864f	9.510	225851	2299683	3.737	37.590	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

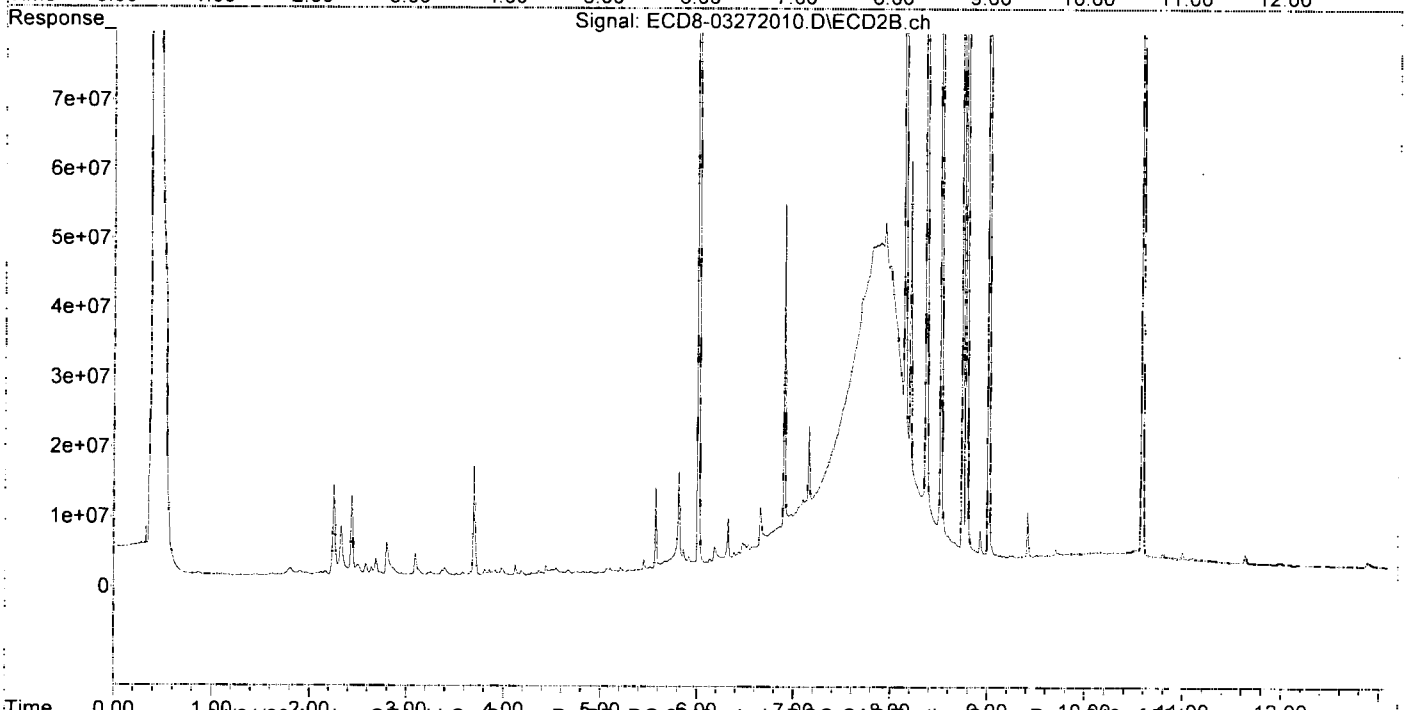
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 13:51
Operator : MJB
Sample : 0030882-MS1
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: Mar 27 14:09:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 14:07
Operator : MJB & MJB 3/27/20
Sample : 003082-MSD1
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: Mar 27 14:23:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

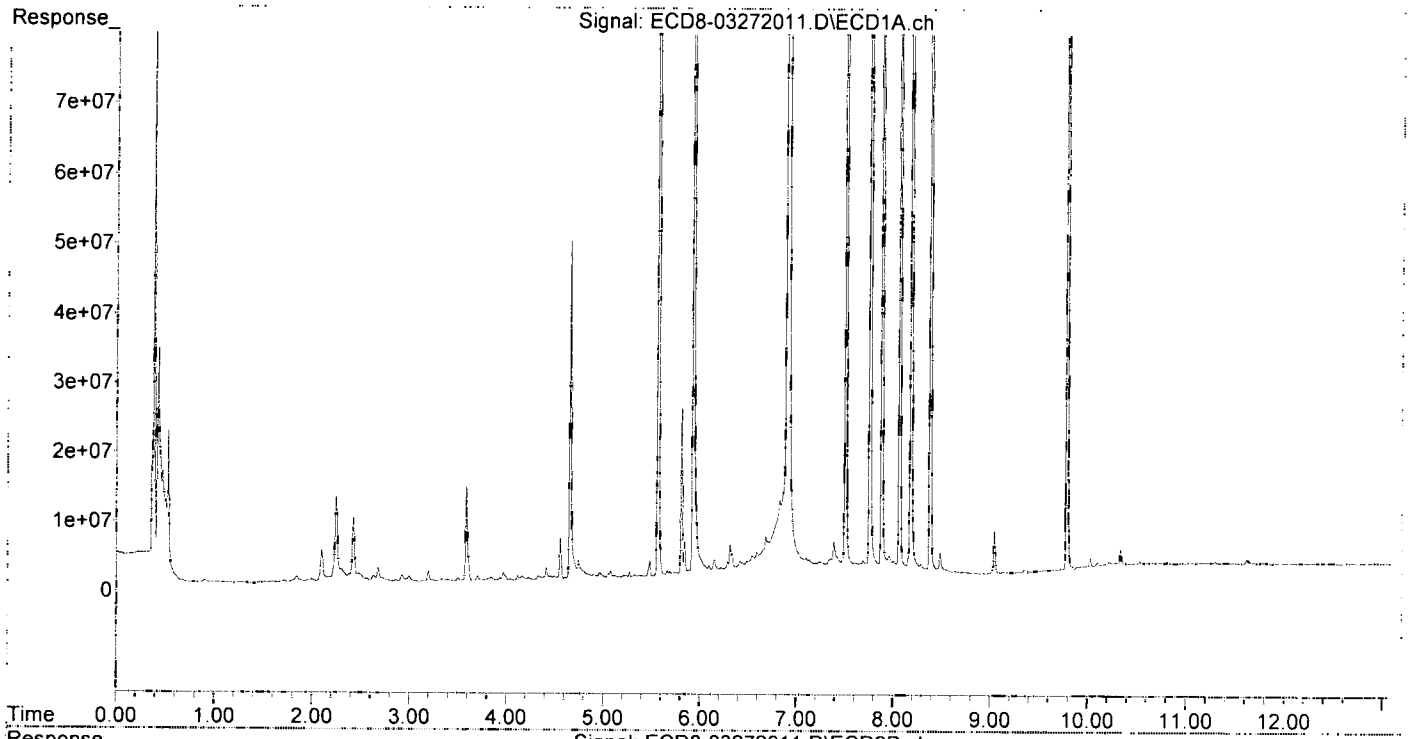
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.017	226.4E6	280.8E6	71.627	76.236	
22)	S	DCBP (S)	9.785	10.589	210.7E6	202.9E6	96.692	99.259	
		Target Compounds							
2)		a-BHC	6.095	6.601	1719544	2785185	0.403	0.671	#
3)		g-BHC	6.417f	6.907f	2334175	29061597	0.640	7.504	#
4)		b-BHC	6.488	7.020	2321321	6400456	1.840	3.911	#
5)		Heptachlor	6.827f	0.000	10868552	0	3.210	N.D.	#
6)		d-BHC	6.591f	0.000	3557592	0	1.393	N.D.	#
7)		Aldrin	7.073f	0.000	2499317	0	0.734	N.D.	#
8)		Heptachlo...	7.506	0.000	168.5E6	0	52.664	N.D.	#
9)		trans-Chl...	7.618	8.150	1836690	220.5E6	0.587	63.591	#
10)		cis-Chlor...	7.691	0.000	2121332	0	0.680	N.D.	#
11)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)		4,4'-DDE	7.758	8.371	267.1E6	341.0E6	99.433 RPT	96.800	
13)		Dieldrin	7.960	8.523	2735968	200.6E6	0.834	56.001	#
14)		Endrin	0.000	8.748	0	221.5E6	N.D.	79.245	#
15)		4,4'-DDD	8.182	8.788	235.3E6	285.7E6	113.472	108.900	
16)		Endosulfa...	8.288	8.896	1536059	2487553	0.617	0.949	#
17)		4,4'-DDT	8.380	9.016	229.9E6	287.9E6	102.513	111.369	
18)		Endrin Al...	8.628f	9.139	423753	1940832	0.182	0.752	#
19)		Endosulfa...	8.902	0.000	22595	0	0.009	N.D.	#
20)		Methoxychlor	8.716	9.512	338595	2037070	0.147	1.918	#
21)		Endrin Ke...	0.000	9.726	0	2280427	N.D.	0.713	#
23)		Hexachlor...	3.355	3.696f	206836	12220498	0.060	2.967	#
24)		Hexachlor...	5.929f	6.493	165.5E6	4881879	52.164	1.366	#
25)		Oxychlordane	0.000	7.945	0	41157047	N.D. MJB	12.655	#
26)		2,4'-DDE	7.506	8.150	168.5E6	220.5E6	91.143 MJB	88.927	
27)		trans-Non...	7.691	8.209	2121332	52615989	0.675	16.035	#
28)		2,4'-DDD	7.880	8.523	167.4E6	200.6E6	108.813 RPT	99.995	
29)		2,4'-DDT	8.064	8.748	188.5E6	221.5E6	99.660 RPT	97.204	
30)		cis-Nonac...	8.182	8.788	235.3E6	285.7E6	68.106	69.122	
31)		Mirex	8.833	9.726	169327	2280427	0.074	0.793	#
32)		Chlordane...	7.618	8.150	1836690	220.5E6	5.297	498.185	#
33)		Chlordane...	7.691f	0.000	2121332	0	5.067	N.D.	#
34)		Chlordane...	8.288	8.931	1536059	5012337	13.620	44.309	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.691	8.523f	2121332	200.6E6	156.052	6434.775	#
37)		Toxaphene...	8.007	8.870	2053122	2692100	73.637	66.251	
38)		Toxaphene...	8.288	8.896	1536059	2487553	25.033	38.975	#
39)		Toxaphene...	8.549	8.931f	730235	5012337	11.945	47.540	#
40)		Toxaphene...	8.767	9.139	185662	1940832	3.874	34.000	#
41)		Toxaphene...	8.833	9.512	169327	2037070	2.802	33.297	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

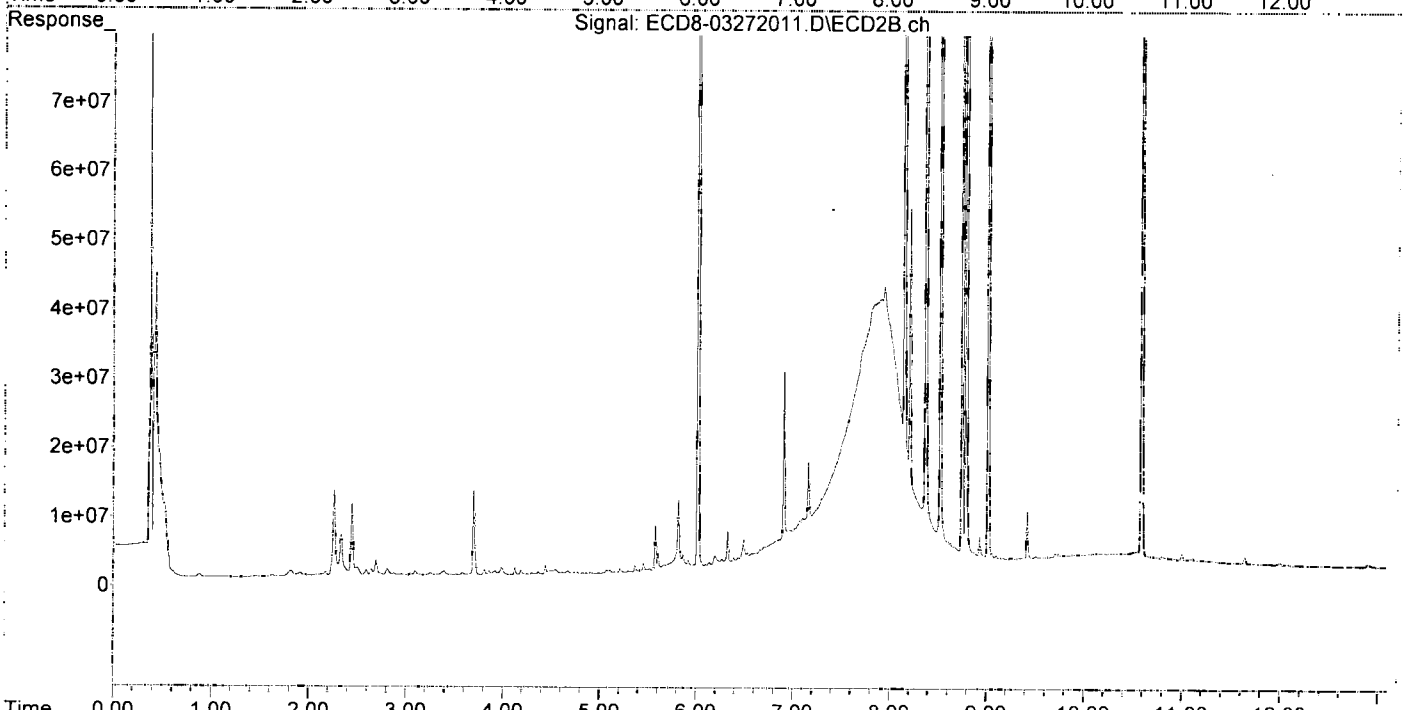
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 14:07
Operator : MJB MJB 3/27/20
Sample : 0030822-MSD1
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: Mar 27 14:23:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 14:24
Operator : MJB
Sample : 0C27035-CCV3
Misc : A20C184, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 14:49:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 3/27/20

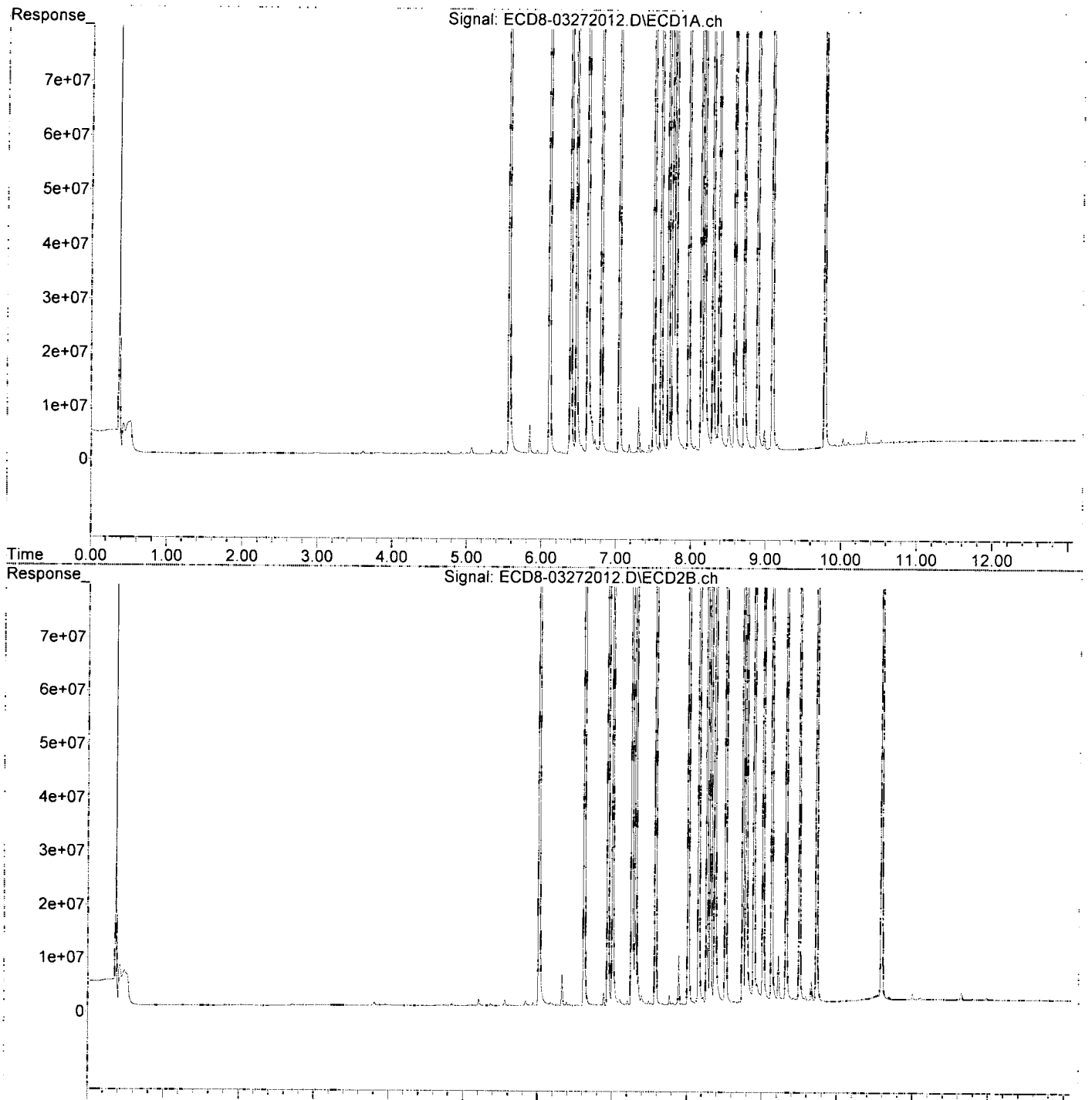
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.567	6.017	319.8E6	391.3E6	101.190	106.236	
22)	S	DCBP (S)	9.787	10.590	231.0E6	241.7E6	105.972	116.710	
		Target Compounds							
2)		a-BHC	6.108	6.623	459.1E6	568.9E6	107.627	111.857	
3)		g-BHC	6.391	6.940	398.7E6	481.1E6	109.270	124.206	
4)		b-BHC	6.467	7.004	145.2E6	188.8E6	106.796	115.398	
5)		Heptachlor	6.803	7.313	375.4E6	458.6E6	110.893	130.637	
6)		d-BHC	6.619	7.260	323.6E6	439.6E6	105.635	110.177	
7)		Aldrin	7.045	7.579	383.2E6	460.4E6	112.518	121.963	
8)		Heptachlo...	7.508	8.017	339.5E6	416.8E6	106.097	122.276	
9)		trans-Chl...	7.604	8.158	345.0E6	423.1E6	110.330	112.333	
10)		cis-Chlor...	7.701	8.265	330.3E6	400.5E6	105.923	117.019	
11)		Endosulfa...	7.801	8.316	315.9E6	375.3E6	107.126	119.273	
12)		4,4'-DDE	7.760	8.373	306.1E6	393.0E6	113.922	109.305	
13)		Dieldrin	7.973	8.517	367.6E6	438.7E6	112.087	112.435	
14)		Endrin	8.140	8.746	295.5E6	328.2E6	113.576	110.947	
15)		4,4'-DDD	8.184	8.790	248.9E6	320.5E6	120.040	119.813	
16)		Endosulfa...	8.298	8.894	270.9E6	336.5E6	108.716	115.252	
17)		4,4'-DDT	8.382	9.017	253.6E6	303.7E6	111.412	116.236	
18)		Endrin Al...	8.589	9.132	249.5E6	298.2E6	107.005	115.483	
19)		Endosulfa...	8.893	9.323	265.5E6	327.8E6	107.543	123.091	
20)		Methoxychlor	8.718	9.499	116.7E6	146.4E6	115.459	124.603	
21)		Endrin Ke...	9.091	9.726	314.6E6	363.2E6	107.595	119.179	
23)		Hexachlor...	3.360	3.714	34401	40830	0.010	BelowCal	#
24)		Hexachlor...	5.949	6.477	731250	54574	0.230	BelowCal	#
25)		Oxychlordane	7.444	7.942	1504242	232963	0.523	0.072	#
26)		2,4'-DDE	7.508	8.158	339.5E6	423.1E6	183.615	153.967	
27)		trans-Non...	7.701	8.219	330.3E6	1427367	105.183	0.338	#
28)		2,4'-DDD	7.884	8.517	1338523	438.7E6	0.870	190.489	#
29)		2,4'-DDT	8.066	8.746	1133534	328.2E6	0.599	134.389	#
30)		cis-Nonac...	8.184	8.790	248.9E6	320.5E6	72.049	76.554	
31)		Mirex	8.842	9.726	752792	363.2E6	0.330	148.070	#
32)		Chlordane...	7.604	8.158	345.0E6	423.1E6	995.117	956.003	
33)		Chlordane...	7.701	8.265	330.3E6	400.5E6	789.077	1041.558	#
34)		Chlordane...	8.298f	8.938	270.9E6	3836927	2401.653	33.154	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.701	8.517	330.3E6	438.7E6	24301.052	14073.713	#
37)		Toxaphene...	7.973	0.000	367.6E6	0	13182.876	N.D.	#
38)		Toxaphene...	8.298	8.894	270.9E6	336.5E6	4414.164	5272.323	
39)		Toxaphene...	8.513f	8.938	6886576	3836927	112.652	36.392	#
40)		Toxaphene...	8.772	9.132	1893966	298.2E6	39.515	5223.874	#
41)		Toxaphene...	8.842	9.499	752792	146.4E6	12.457	2392.521	#
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\2020-03\0C27035\
Data File : ECD8-03272012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 14:24
Operator : MJB
Sample : 0C27035-CCV3
Misc : A20C184, AB 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 14:49:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 14:40
Operator : MJB
Sample : 0C27035-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 14:56:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

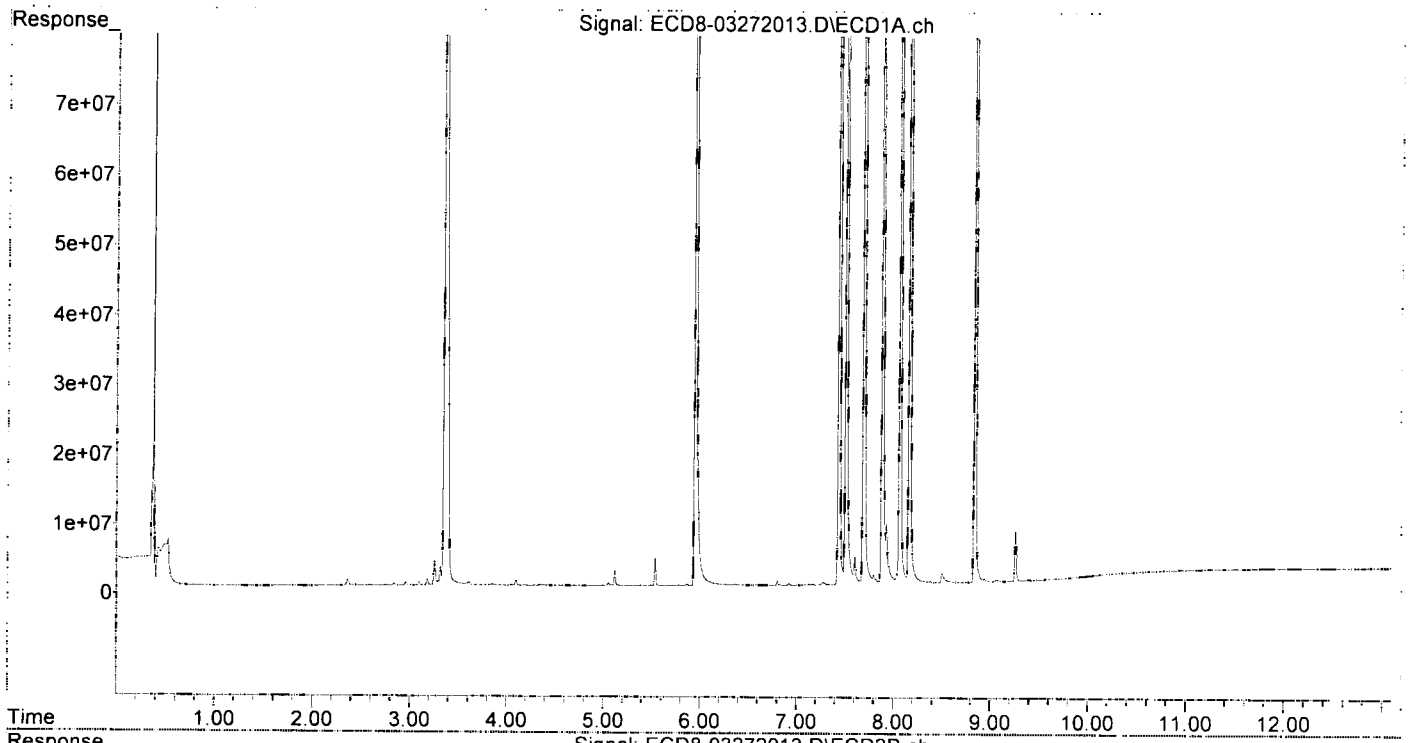
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.593f	6.010	17526	54491	0.006	0.015	#
22)	S	DCBP (S)	9.790	10.593	238197	394942	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	6.371f	6.942	227272	29734	0.062	0.008	#
4)		b-BHC	6.455	7.014	73952	36783	BelowCal	0.022	
5)		Heptachlor	6.805	7.313	681185	734427	0.201	0.209	
6)		d-BHC	6.630	7.266	32529	59154	BelowCal	0.015	
7)		Aldrin	7.044	7.577	17841	30385	0.005	0.008	#
8)		Heptachlo...	7.511	0.000	179.6E6	0	56.124	N.D.	#
9)		trans-Chl...	7.605	8.152	4136565	219.7E6	1.323	63.398	#
10)		cis-Chlor...	7.694	8.266	290.4E6	13619590	93.126	3.979	#
11)		Endosulfa...	7.803	8.330	1411632	802113	0.479	0.255	#
12)		4,4'-DDE	7.803f	8.378	1411632	1038047	0.525	0.327	#
13)		Dieldrin	7.958	8.526	2568341	197.6E6	0.783	55.239	#
14)		Endrin	8.166f	8.750	314.7E6	200.8E6	120.955	72.719	#
15)		4,4'-DDD	8.166f	8.789	314.7E6	403.2E6	151.774	144.399	
16)		Endosulfa...	8.320f	0.000	346894	0	0.139	N.D.	#
17)		4,4'-DDT	8.386	9.017	274389	490258	0.029	0.127	#
18)		Endrin Al...	8.601	9.136	222599	281045	0.095	0.109	
19)		Endosulfa...	0.000	9.323	0	143728	N.D.	0.054	#
20)		Methoxychlor	8.735	9.463f	9210	283163	BelowCal	0.062	
21)		Endrin Ke...	9.077	9.717	271764	232.6E6	0.093	81.624	#
23)		Hexachlor...	3.360	3.717	308.8E6	418.3E6	89.048	91.169	
24)		Hexachlor...	5.950	6.483	270.3E6	326.3E6	85.209	85.782	
25)		Oxychlordane	7.438	7.947	264.0E6	328.5E6	91.828	101.007	
26)		2,4'-DDE	7.511	8.152	179.6E6	219.7E6	97.131	88.665	
27)		trans-Non...	7.694	8.221	290.4E6	362.8E6	92.475	97.088	
28)		2,4'-DDD	7.886	8.526	149.1E6	197.6E6	96.918	98.721	
29)		2,4'-DDT	8.068	8.750	161.4E6	200.8E6	85.340	89.463	
30)		cis-Nonac...	8.166	8.789	314.7E6	403.2E6	91.095	93.541	
31)		Mirex	8.842	9.717	200.5E6	232.6E6	87.780	101.015	
32)		Chlordane...	7.605	8.152	4136565	219.7E6	11.931	496.504	#
33)		Chlordane...	7.694f	8.266	290.4E6	13619590	693.742	35.416	#
34)		Chlordane...	0.000	8.946	0	2008834	N.D.	15.746	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.694	8.526f	290.4E6	197.6E6	21365.036	6339.630	#
37)		Toxaphene...	7.958f	0.000	2568341	0	92.116	N.D.	#
38)		Toxaphene...	8.320	0.000	346894	0	5.653	N.D.	#
39)		Toxaphene...	8.506f	8.946	1377349	2008834	22.531	19.053	
40)		Toxaphene...	8.784	9.136	15916	281045	0.332	4.923	#
41)		Toxaphene...	8.842	0.000	200.5E6	0	3318.154	N.D.	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

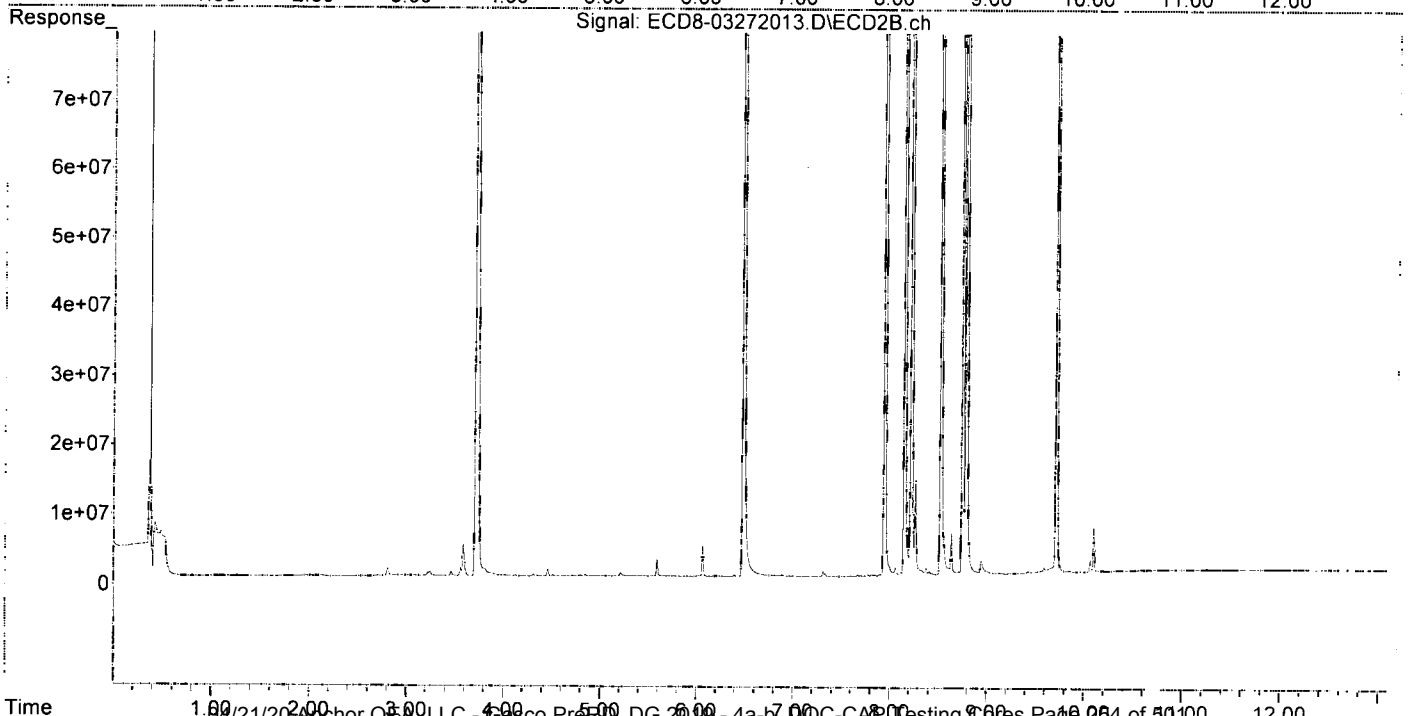
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 14:40
Operator : MJB
Sample : 0C27035-CCV4
Misc : A20C359, 9-42 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 14:56:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 14:57
Operator : MJB
Sample : 0C27035-CCB2
Misc : A20C404
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 15:11:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/27/20

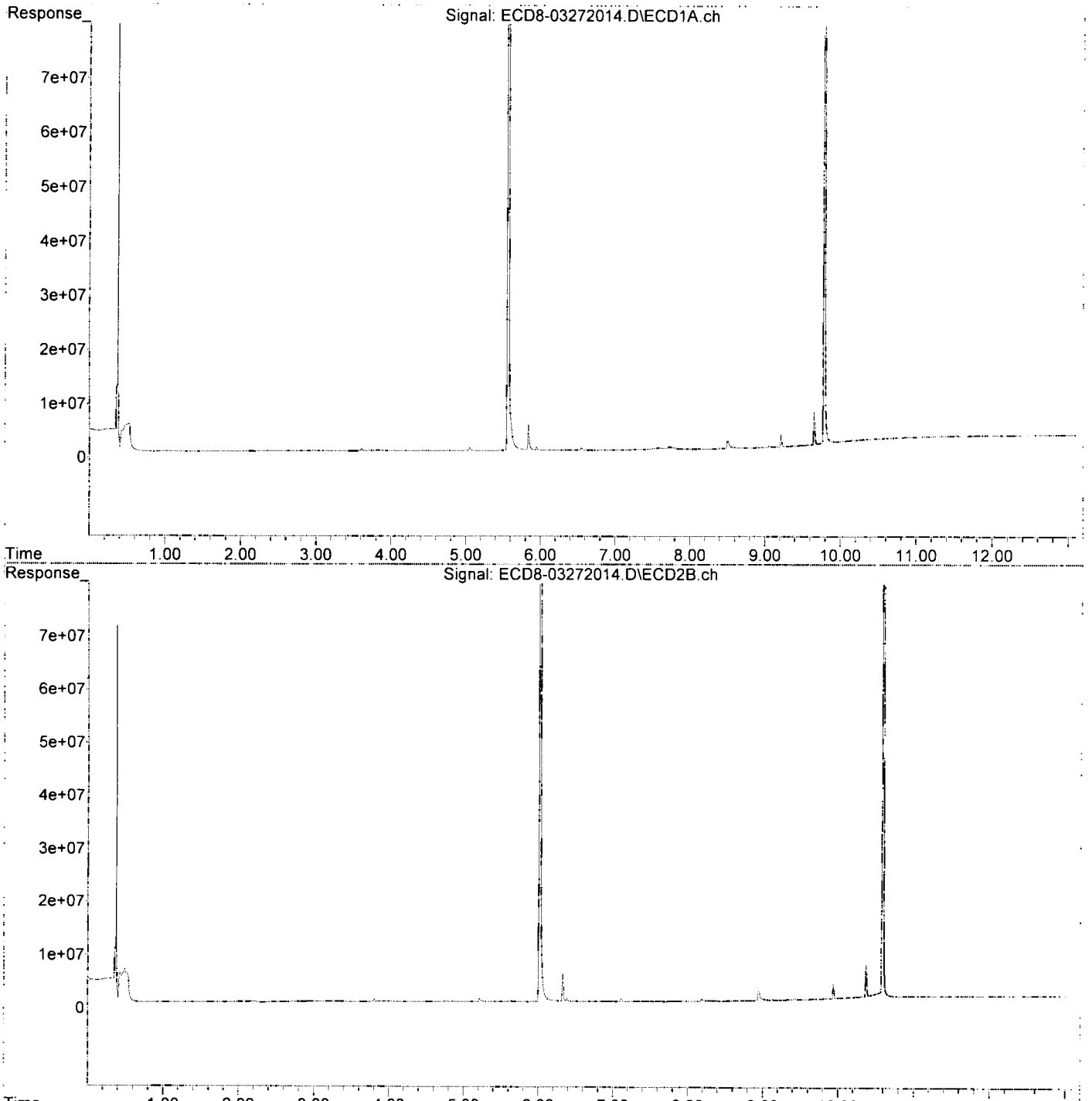
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.566	6.017	288.6E6	346.3E6	91.299	94.033	
22)	S	DCBP (S)	9.788	10.591	199.1E6	203.2E6	91.380	99.374	
		Target Compounds							
2)		a-BHC	6.109	0.000	22113	0	0.005	N.D.	#
3)		g-BHC	6.395	6.943	8872	12225	0.002	0.003	#
4)		b-BHC	6.443f	7.001	27125	17029	BelowCal	0.010	
5)		Heptachlor	6.811	7.332f	8538	19165	0.003	0.005	#
6)		d-BHC	6.618	7.266	9294	30561	BelowCal	0.006	
7)		Aldrin	7.057	7.607f	15116	67434	0.004	0.018	#
8)		Heptachlo...	7.498	8.016	170775	16469	0.053	0.005	#
9)		trans-Chl...	7.592	8.156	292232	40538	0.093	BelowCal	#
10)		cis-Chlor...	7.679f	8.267	183096	55797	0.059	0.016	#
11)		Endosulfa...	7.766f	8.293f	403885	47144	0.137	0.015	#
12)		4,4'-DDE	7.766	8.377	403885	29458	0.150	BelowCal	#
13)		Dieldrin	0.000	8.531	0	34614	N.D.	BelowCal	
14)		Endrin	8.138	8.745	14018	20081	0.005	BelowCal	#
15)		4,4'-DDD	8.184	8.792	20491	50096	0.010	BelowCal	#
16)		Endosulfa...	8.307	8.900	20165	38798	0.008	BelowCal	#
17)		4,4'-DDT	8.382	0.000	17710	0	BelowCal	N.D.	
18)		Endrin Al...	8.593	9.133	193084	107292	0.083	0.042	#
19)		Endosulfa...	8.899	9.325	34034	44812	0.014	0.017	
20)		Methoxychlor	8.724	9.492	29946	52692	BelowCal	BelowCal	
21)		Endrin Ke...	9.090	9.723	51497	123703	0.018	BelowCal	#
23)		Hexachlor...	3.353	3.737	4450	22093	0.001	BelowCal	#
24)		Hexachlor...	5.949	6.483	630052	52273	0.199	BelowCal	#
25)		Oxychlordane	7.419	7.948	80401	30786	0.028	0.009	#
26)		2,4'-DDE	7.521	8.156	217924	40538	0.118	BelowCal	#
27)		trans-Non...	7.679	8.192f	183096	338564	0.058	BelowCal	#
28)		2,4'-DDD	7.891	8.531	63809	34614	0.041	BelowCal	#
29)		2,4'-DDT	8.069	8.750	22564	20261	0.012	BelowCal	#
30)		cis-Nonac...	8.170	8.792	34900	50096	0.010	BelowCal	#
31)		Mirex	8.846	9.723	31311	123703	0.014	BelowCal	#
32)		Chlordane...	7.631	8.166	240230	27138	0.693	0.061	#
33)		Chlordane...	7.727	8.273	449046	54581	1.073	0.142	#
34)		Chlordane...	8.275	8.946	10692	1807708	0.095	13.826	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.679	8.531f	183096	34614	13.469	1.111	#
37)		Toxaphene...	0.000	8.844	0	5752	N.D.	0.142	#
38)		Toxaphene...	8.307	8.873	20165	21579	0.329	0.338	
39)		Toxaphene...	8.508f	8.946	1368519	1807708	22.386	17.145	
40)		Toxaphene...	8.774	9.133	15829	107292	0.330	1.880	#
41)		Toxaphene...	8.846	9.492f	31311	52692	0.518	0.861	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C27035\
Data File : ECD8-03272014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2020 14:57
Operator : MJB
Sample : 0C27035-CCB2
Misc : A20C404
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 27 15:11:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



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

Organochloride Pesticides by EPA 8081B
Calibration Data

Sequence 0C16047 (Cal ID A0C1704) DualECD8

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0C16047** Instrument: **DUALECD8**

Date: **03/16/20 11:33** Calibration: **A0C1704**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0C16047-BKD1	Water	QC	QC				A20C091
2	0C16047-ICB1	Water	QC	QC				A20B383
3	0C16047-CAL1	Water	QC	QC				A20C230
4	0C16047-CAL2	Water	QC	QC				A20C178
5	0C16047-CAL3	Water	QC	QC				A20C179
6	0C16047-CAL4	Water	QC	QC				A20C180
7	0C16047-CAL5	Water	QC	QC				A20C181
8	0C16047-CAL6	Water	QC	QC				A20C182
9	0C16047-CAL7	Water	QC	QC				A20C183
10	0C16047-CAL8	Water	QC	QC				A20C184
11	0C16047-CAL9	Water	QC	QC				A20C177
12	0C16047-IBL1	Water	QC	QC				
13	0C16047-ICV1	Water	QC	QC				A20C164
14	0C16047-CALA	Water	QC	QC				A20C231
15	0C16047-CALB	Water	QC	QC				A19K263
16	0C16047-CALC	Water	QC	QC				A19K264
17	0C16047-CALD	Water	QC	QC				A19K265
18	0C16047-CALE	Water	QC	QC				A19K266
19	0C16047-CALF	Water	QC	QC				A19J407
20	0C16047-CALG	Water	QC	QC				A19J408
21	0C16047-CALH	Water	QC	QC				A19J409
22	0C16047-CALI	Water	QC	QC				A19K262
23	0C16047-IBL2	Water	QC	QC				
24	0C16047-ICV2	Water	QC	QC				A19J410
25	0C16047-CALJ	Water	QC	QC				A20C232
26	0C16047-CALK	Water	QC	QC				A19K307
27	0C16047-CALL	Water	QC	QC				A19K308
28	0C16047-CALM	Water	QC	QC				A19K309
29	0C16047-CALN	Water	QC	QC				A19K310
30	0C16047-CALO	Water	QC	QC				A19K311
31	0C16047-CALP	Water	QC	QC				A19K306
32	0C16047-IBL3	Water	QC	QC				
33	0C16047-ICV3	Water	QC	QC				A19K312
34	0C16047-CALQ	Water	QC	QC				A20C233
35	0C16047-CALR	Water	QC	QC				A19J417
36	0C16047-CALS	Water	QC	QC				A19J418
37	0C16047-CALT	Water	QC	QC				A19J419
38	0C16047-CALU	Water	QC	QC				A19J420
39	0C16047-CALV	Water	QC	QC				A19J421
40	0C16047-CALW	Water	QC	QC				A19J416
41	0C16047-IBL4	Water	QC	QC				
42	0C16047-ICV4	Water	QC	QC				A19J422

Data Entered By: MJB 3/17/20 Comments: ICAL

Data Reviewed By: 3/23/20

Calibration Status Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200316.M
Title : Instrument: DualECD8
Last Update : Tue Mar 17 11:32:32 2020
Response Via : Initial Calibration

AOC1704

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162037.D
2	2	50	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162038.D
3	3	100	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162039.D
4	4	200	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162040.D
5	5	500	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162041.D
6	6	1000	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162042.D
7	7	2000	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162043.D
8	8	-1	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162024.D
9	9	-1	0	C:\msdchem\1\data\2020-03\0C16047\ECD8-03162025.D

AJB 3/17/20

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Mar 17 11:31 2020	Mar 17 11:23 2020	16 Mar 2020 21:59
2	2	Mar 17 11:31 2020	Mar 17 11:24 2020	16 Mar 2020 22:15
3	3	Mar 17 11:31 2020	Mar 17 11:25 2020	16 Mar 2020 22:32
4	4	Mar 17 11:32 2020	Mar 17 11:25 2020	16 Mar 2020 22:49
5	5	Mar 17 11:32 2020	Mar 17 11:22 2020	16 Mar 2020 23:05
6	6	Mar 17 11:32 2020	Mar 17 11:26 2020	16 Mar 2020 23:22
7	7	Mar 17 11:32 2020	Mar 17 11:27 2020	16 Mar 2020 23:38
8	8	Mar 17 11:29 2020	Mar 17 11:15 2020	16 Mar 2020 18:24
9	9	Mar 17 11:30 2020	Mar 17 11:15 2020	16 Mar 2020 18:40

ECD8_QUANTPEST_200316.M Tue Mar 17 14:18:41 2020

Calibration Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200316.M
Title : Instrument: DualECD8
Last Update : Tue Mar 17 11:32:32 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD8-03162037 2 =ECD8-03162038 3 =ECD8-03162039 4 =ECD8-03162040 5 =ECD8-03
6 =ECD8-03162042 7 =ECD8-03162043 8 =ECD8-03162024 9 =ECD8-03162025

MJB 3/17/20

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCMX (S)	Avg	-----	3.1605 e6	-----	0.0701
2)		a-BHC	Avg	-----	4.2654 e6	-----	0.0308
3)		g-BHC	Avg	-----	3.6484 e6	-----	0.0329
4)		b-BHC	Quad	1.8451 e5	1.1576 e6	1.8731 e3	0.9986
5)		Heptachlor	Avg	-----	3.3854 e6	-----	0.0581
6)		d-BHC	Quad	7.3017 e4	2.4936 e6	5.3900 e3	0.9991
7)		Aldrin	Avg	-----	3.4053 e6	-----	0.0420
8)		Heptachlor Expoxide	Avg	-----	3.1996 e6	-----	0.0460
9)		trans-Chlordane	Avg	-----	3.1272 e6	-----	0.0519
10)		cis-Chlordane	Avg	-----	3.1187 e6	-----	0.0432
11)		Endosulfan I	Avg	-----	2.9487 e6	-----	0.0315
12)		4,4'-DDE	Avg	-----	2.6865 e6	-----	0.0934
13)		Dieldrin	Avg	-----	3.2792 e6	-----	0.0422
14)		Endrin	Avg	-----	2.6021 e6	-----	0.0591
15)		4,4'-DDD	Avg	-----	2.0737 e6	-----	0.0944
16)		Endosulfan II	Avg	-----	2.4914 e6	-----	0.0735
17)		4,4'-DDT	Quad	2.1956 e5	1.8615 e6	3.7012 e3	0.9963
18)		Endrin Aldehyde	Avg	-----	2.3319 e6	-----	0.0421
19)		Endosulfan Sulfate	Avg	-----	2.4686 e6	-----	0.1020
20)		Methoxychlor	Quad	2.0877 e5	8.8176 e5	1.1027 e3	0.9950
21)		Endrin Ketone	Avg	-----	2.9239 e6	-----	0.0898
22)	S	DCBP (S)	Quad	7.0568 e5	2.1568 e6	1.5580 e2	0.9969
23)		Hexachlorobutadiene	Avg	-----	3.4681 e6	-----	0.0849
24)		Hexachlorobenzene	Avg	-----	3.1726 e6	-----	0.0882
25)		Oxychlordane	Avg	-----	2.8747 e6	-----	0.0871
26)		2,4'-DDE	Avg	-----	1.8488 e6	-----	0.0799
27)		trans-Nonachlor	Avg	-----	3.1406 e6	-----	0.0762
28)		2,4'-DDD	Avg	-----	1.5380 e6	-----	0.0949
29)		2,4'-DDT	Avg	-----	1.8914 e6	-----	0.0833
30)		cis-Nonachlor	Avg	-----	3.4550 e6	-----	0.0767
31)		Mirex	Avg	-----	2.2844 e6	-----	0.1027
32)		Chlordane (1)	Avg	-----	3.4671 e5	-----	0.0451
33)		Chlordane (2)	Avg	-----	4.1865 e5	-----	0.0294
34)		Chlordane (3)	Avg	-----	1.1278 e5	-----	0.0526
35)		Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)		Toxaphene (1)	Avg	-----	1.3594 e4	-----	0.0832
37)		Toxaphene (2)	Avg	-----	2.7882 e4	-----	0.0271
38)		Toxaphene (3)	Avg	-----	6.1361 e4	-----	0.0416
39)		Toxaphene (4)	Avg	-----	6.1132 e4	-----	0.0530
40)		Toxaphene (5)	Avg	-----	4.7930 e4	-----	0.0777
41)		Toxaphene (6)	Avg	-----	6.0432 e4	-----	0.0533
42)		Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCMX (S)	Avg	-----	3.6832 e6	-----	0.0766
2)		a-BHC	Quad	-2.0753 e5	4.4539 e6	5.6665 e3	0.9984
3)		g-BHC	Avg	-----	3.8730 e6	-----	0.0901
4)		b-BHC	Avg	-----	1.6365 e6	-----	0.0968
5)		Heptachlor	Avg	-----	3.5104 e6	-----	0.0967
6)		d-BHC	Quad	1.1813 e4	3.2224 e6	6.9627 e3	0.9986
7)		Aldrin	Avg	-----	3.7748 e6	-----	0.1011

8)		Heptachlor Expoxide	Avg	-----	3.4085 e6	-----	0.0824
9)		trans-Chlordane	Quad	5.1066 e5	3.0641 e6	6.2124 e3	0.9967
10)		cis-Chlordane	Avg	-----	3.4229 e6	-----	0.0824
11)		Endosulfan I	Avg	-----	3.1462 e6	-----	0.0969
12)		4,4'-DDE	Quad	7.0763 e4	2.9555 e6	5.8482 e3	0.9979
13)		Dieldrin	Quad	8.0799 e4	3.2618 e6	5.6831 e3	0.9987
14)		Endrin	Quad	3.4169 e4	2.3874 e6	5.1436 e3	0.9967
15)		4,4'-DDD	Quad	1.3316 e5	2.1019 e6	4.7754 e3	0.9985
16)		Endosulfan II	Quad	2.1965 e5	2.3865 e6	4.6094 e3	0.9984
17)		4,4'-DDT	Quad	2.4237 e5	1.9461 e6	5.7207 e3	0.9965
18)		Endrin Aldehyde	Avg	-----	2.5821 e6	-----	0.0947
19)		Endosulfan Sulfate	Avg	-----	2.6627 e6	-----	0.0961
20)		Methoxychlor	Quad	2.2450 e5	9.4128 e5	1.8588 e3	0.9960
21)		Endrin Ketone	Quad	5.5940 e5	2.4087 e6	5.3246 e3	0.9989
22)	S	DCBP (S)	Quad	5.7819 e5	1.8822 e6	1.5768 e3	0.9983
23)		Hexachlorobutadiene	Quad	2.6373 e5	4.0107 e6	6.2987 e3	0.9954
24)		Hexachlorobenzene	Quad	4.2475 e5	3.2553 e6	6.3376 e3	0.9989
25)		Oxychlordane	Avg	-----	3.2522 e6	-----	0.0991
26)		2,4'-DDE	Quad	1.2266 e5	2.1099 e6	4.1390 e3	0.9989
27)		trans-Nonachlor	Quad	3.5756 e5	3.1653 e6	5.8439 e3	0.9988
28)		2,4'-DDD	Quad	2.1788 e5	1.6742 e6	3.2942 e3	0.9989
29)		2,4'-DDT	Quad	1.7796 e5	1.8488 e6	4.4066 e3	0.9986
30)		cis-Nonachlor	Quad	2.0627 e5	3.6241 e6	7.3160 e3	0.9991
31)		Mirex	Quad	7.1729 e5	1.9685 e6	3.2406 e3	0.9979
32)		Chlordane (1)	Avg	-----	4.4258 e5	-----	0.0908
33)		Chlordane (2)	Avg	-----	3.8456 e5	-----	0.0874
34)		Chlordane (3)	Quad	3.6188 e5	1.0440 e5	1.2547 e1	0.9991
35)		Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)		Toxaphene (1)	Avg	-----	3.1169 e4	-----	0.0658
37)		Toxaphene (2)	Avg	-----	4.0635 e4	-----	0.0508
38)		Toxaphene (3)	Avg	-----	6.3824 e4	-----	0.0690
39)		Toxaphene (4)	Avg	-----	1.0543 e5	-----	0.0722
40)		Toxaphene (5)	Avg	-----	5.7083 e4	-----	0.0609
41)		Toxaphene (6)	Avg	-----	6.1178 e4	-----	0.0717
42)		Toxaphene - AVE	Avg	-----	-----	-----	0.0000

ECD8_QUANTPEST_200316.M Tue Mar 17 14:19:00 2020

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200316.M
Title : Instrument: DualECD8
Last Update : Tue Mar 17 11:32:32 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD8-03162037.D 2 =ECD8-03162038.D 3 =ECD8-03162039.D 4 =ECD8-03162040.D 5 =ECD8-03162041.D
6 =ECD8-03162042.D 7 =ECD8-03162043.D 8 =ECD8-03162024.D 9 =ECD8-03162025.D

		Compound	1	2	3	4	5	6	7	8	9	Avg		%RSD
1)	S	TCMX (S)	3.612	3.373	3.082	3.122	3.200	2.854	3.057	2.989	3.157	3.161	E6	7.01
2)		a-BHC	4.221	4.260	4.133	4.302	4.357	4.045	4.266	4.296	4.510	4.265	E6	3.08
3)		g-BHC	3.727	3.688	3.496	3.603	3.619	3.469	3.643	3.738	3.851	3.648	E6	3.29
4)		b-BHC	1.533	1.356	1.221	1.162	1.209	1.171	1.328	1.394	1.497	1.319	E6	10.49
5)		Heptachlor	3.586	3.476	3.235	3.274	3.450	2.967	3.434	3.466	3.580	3.385	E6	5.81
6)		d-BHC	2.666	2.579	2.443	2.482	2.600	2.566	2.899	3.096	3.515	2.761	E6	12.71
7)		Aldrin	3.436	3.342	3.251	3.253	3.317	3.360	3.453	3.548	3.687	3.405	E6	4.20
8)		Heptachlor Exp...	3.446	3.325	3.013	3.091	3.200	3.051	3.196	3.126	3.349	3.200	E6	4.60
9)		trans-Chlordane	3.304	3.152	2.933	2.975	3.169	2.929	3.093	3.197	3.393	3.127	E6	5.19
10)		cis-Chlordane		3.376	3.033	3.085	3.037	2.988	3.054	3.101	3.276	3.119	E6	4.32
11)		Endosulfan I	3.133	2.991	2.905	2.920	2.923	2.780	2.946	2.960	2.981	2.949	E6	3.15
12)		4,4'-DDE	2.965	2.573	2.401	2.465	2.566	2.460	2.751	2.903	3.094	2.686	E6	9.34
13)		Dieldrin	3.369	3.268	3.103	3.177	3.179	3.140	3.369	3.399	3.508	3.279	E6	4.22
14)		Endrin	2.658	2.645	2.462	2.535	2.650	2.284	2.717	2.669	2.799	2.602	E6	5.91
15)		4,4'-DDD	2.341	2.111	1.861	1.914	2.021	1.833	2.040	2.166	2.378	2.074	E6	9.44
16)		Endosulfan II	2.794	2.579	2.329	2.288	2.368	2.360	2.444	2.514	2.747	2.491	E6	7.35
17)		4,4'-DDT	2.366	2.014	1.835	1.950	2.057	1.799	2.186	2.306	2.547	2.118	E6	11.93
18)		Endrin Aldehyde			2.491	2.315	2.243	2.223	2.299	2.314	2.437	2.332	E6	4.21
19)		Endosulfan Sul...	3.048	2.647	2.293	2.334	2.359	2.206	2.401	2.411	2.518	2.469	E6	10.20
20)		Methoxychlor	1.286	1.122	0.969	0.945	0.988	0.788	0.998	0.968	1.114	1.020	E6	13.71
21)		Endrin Ketone	3.466	3.199	2.841	2.733	2.735	2.652	2.802	2.863	3.024	2.924	E6	8.98
22)	S	DCBP (S)	3.491	2.969	2.586	2.329	2.350	1.997	2.123	2.101	2.260	2.467	E6	19.57
23)		Hexachlorobuta...	3.777	3.639	3.345	3.232	3.219	3.641	2.934	3.734	3.693	3.468	E6	8.49
24)		Hexachlorobenzene	3.663	3.318	3.134	3.144	2.950	2.878	2.808	3.182	3.477	3.173	E6	8.82
25)		Oxychlordane	3.248	3.025	2.830	2.737	2.660	2.649	2.563	2.941	3.220	2.875	E6	8.71
26)		2,4'-DDE	1.913	1.840	1.788	1.746	1.695	1.762	1.738	2.019	2.138	1.849	E6	7.99
27)		trans-Nonachlor	3.436	3.128	3.008	2.972	2.964	2.970	2.902	3.335	3.552	3.141	E6	7.62
28)		2,4'-DDD	1.676	1.557	1.530	1.409	1.395	1.405	1.435	1.618	1.819	1.538	E6	9.49
29)		2,4'-DDT	1.998	1.877	1.859	1.802	1.768	1.734	1.746	2.038	2.200	1.891	E6	8.33
30)		cis-Nonachlor	3.624	3.418	3.344	3.328	3.229	3.255	3.207	3.694	3.997	3.455	E6	7.67
31)		Mirex	2.706	2.451	2.375	2.305	2.078	2.040	1.954	2.250	2.400	2.284	E6	10.27
32)		Chlordane (1)	3.329	3.279	3.497	3.418	3.464	3.523	3.761			3.467	E5	4.51
33)		Chlordane (2)	4.272	4.030	4.228	4.019	4.177	4.226	4.353			4.186	E5	2.94
34)		Chlordane (3)	1.164	1.067	1.079	1.060	1.145	1.165	1.215			1.128	E5	5.26
35)		Chlordane - AVE										0.000		-1.00
36)		Toxaphene (1)	1.141	1.376	1.368	1.324	1.354	1.460	1.491			1.359	E4	8.32
37)		Toxaphene (2)	2.789	2.899	2.763	2.672	2.728	2.846	2.821			2.788	E4	2.71
38)		Toxaphene (3)	5.834	6.393	6.039	5.829	6.081	6.377	6.399			6.136	E4	4.16
39)		Toxaphene (4)		6.615	5.949	5.663	5.992	6.195	6.266			6.113	E4	5.30
40)		Toxaphene (5)	4.296	4.852	4.536	4.458	4.992	5.111	5.307			4.793	E4	7.77
41)		Toxaphene (6)	5.891	6.201	5.690	5.642	6.033	6.422	6.423			6.043	E4	5.33
42)		Toxaphene - AVE										0.000		-1.00

AM JB 3/17/20

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200316.M
Title : Instrument: DualECD8

Signal #2 Calibration Files
1 =ECD8-03162037.D 2 =ECD8-03162038.D 3 =ECD8-03162039.D
4 =ECD8-03162040.D 5 =ECD8-03162041.D 6 =ECD8-03162042.D

		Compound	1	2	3	4	5	6	Avg	%RSD
44)	S	TCMX (S) #2	4.193	3.681	3.429	3.487	3.507	3.345	3.681	3.805 4.021 3.683 E6 7.66
45)		a-BHC #2	4.145	4.183	4.132	4.220	4.644	4.610	4.932	5.203 5.441 4.612 E6 10.64
46)		g-BHC #2	3.768	3.700	3.486	3.631	3.713	3.684	4.074	4.223 4.580 3.873 E6 9.01
47)		b-BHC #2	1.798	1.738	1.513	1.524	1.486	1.452	1.627	1.673 1.917 1.636 E6 9.68
48)		Heptachlor #2	3.706	3.437	3.266	3.278	3.406	3.009	3.575	3.738 4.179 3.510 E6 9.67
49)		d-BHC #2	3.346	3.143	3.052	3.200	3.372	3.383	3.753	4.017 4.522 3.532 E6 13.57
50)		Aldrin #2	3.478	3.500	3.396	3.453	3.702	3.777	3.941	4.244 4.482 3.775 E6 10.11
51)		Heptachlor Exp...	3.476	3.415	3.086	3.089	3.300	3.192	3.505	3.673 3.940 3.408 E6 8.24
52)		trans-Chlordan...	4.290	3.278	3.092	3.213	3.298	3.288	3.558	3.765 4.219 3.556 E6 12.47
53)		cis-Chlordane #2	3.547	3.447	3.132	3.048	3.251	3.314	3.469	3.613 3.985 3.423 E6 8.24
54)		Endosulfan I #2	3.211	3.024	2.838	2.837	2.947	3.096	3.170	3.389 3.803 3.146 E6 9.69
55)		4,4'-DDE #2	3.163	3.020	2.802	2.875	3.110	3.058	3.452	3.688 4.008 3.242 E6 12.26
56)		Dieldrin #2	3.486	3.342	3.103	3.223	3.333	3.572	3.589	3.942 4.316 3.545 E6 10.66
57)		Endrin #2	2.461	2.469	2.307	2.408	2.609	2.243	2.817	2.956 3.373 2.627 E6 13.81
58)		4,4'-DDD #2	2.395	2.263	2.037	2.096	2.243	2.192	2.487	2.567 3.032 2.368 E6 12.81
59)		Endosulfan II #2	2.867	2.619	2.349	2.353	2.551	2.512	2.781	2.835 3.276 2.683 E6 10.94
60)		4,4'-DDT #2	2.473	2.174	1.957	1.997	2.151	1.904	2.435	2.587 3.029 2.301 E6 15.87
61)		Endrin Aldehyd...			2.685	2.429	2.398	2.343	2.468	2.722 3.030 2.582 E6 9.47
62)		Endosulfan Sul...	2.969	2.793	2.426	2.348	2.450	2.474	2.662	2.774 3.068 2.663 E6 9.61
63)		Methoxychlor #2	1.367	1.214	1.058	1.004	1.034	0.864	1.106	1.102 1.324 1.119 E6 14.21
64)		Endrin Ketone #2	3.577	2.926	2.636	2.451	2.514	2.593	2.862	2.951 3.430 2.882 E6 13.74
65)	S	DCBP (S) #2	2.970	2.614	2.157	1.975	1.997	1.848	1.999	2.028 2.213 2.200 E6 16.49
66)		Hexachlorobuta...	4.506	4.426	4.055	3.979	3.989	4.524	3.917	5.077 5.124 4.400 E6 10.51
67)		Hexachlorobenz...	4.072	3.691	3.579	3.471	3.413	3.312	3.375	3.983 4.540 3.715 E6 10.97
68)		Oxychlordane #2	3.611	3.281	3.112	3.022	2.964	3.048	2.903	3.523 3.808 3.252 E6 9.91
69)		2,4'-DDE #2	2.318	2.299	2.204	2.194	2.160	2.199	2.170	2.620 2.930 2.344 E6 11.17
70)		trans-Nonachlo...	3.816	3.625	3.456	3.244	3.224	3.307	3.272	3.930 4.299 3.575 E6 10.47
71)		2,4'-DDD #2	2.090	1.891	1.890	1.759	1.668	1.737	1.777	2.077 2.320 1.912 E6 11.08
72)		2,4'-DDT #2	2.201	2.003	2.025	1.934	1.900	1.870	2.014	2.426 2.689 2.118 E6 12.97
73)		cis-Nonachlor #2	4.056	3.797	3.742	3.766	3.697	3.826	3.810	4.580 5.022 4.033 E6 11.41
74)		Mirex #2	3.346	2.726	2.490	2.164	2.071	2.010	1.988	2.322 2.655 2.419 E6 18.28
75)		Chlordane (1) #2	4.141	3.964	4.260	4.167	4.634	4.717	5.097	4.426 E5 9.08
76)		Chlordane (2) #2	3.735	3.536	3.668	3.551	3.942	3.995	4.493	3.846 E5 8.74
77)		Chlordane (3) #2	1.409	1.114	1.111	1.033	1.138	1.215	1.275	1.185 E5 10.63
78)		Chlordane - AV...								0.000 -1.00
79)		Toxaphene (1) #2	3.320	3.431	3.059	2.917	2.859	3.081	3.151	3.117 E4 6.58
80)		Toxaphene (2) #2	4.127	4.344	3.944	3.785	3.862	4.127	4.255	4.063 E4 5.08
81)		Toxaphene (3) #2	6.898	6.745	5.861	5.843	6.086	6.623	6.621	6.382 E4 6.90
82)		Toxaphene (4) #2		1.188	1.022	0.960	1.026	1.062	1.067	1.054 E5 7.22
83)		Toxaphene (5) #2	6.065	5.835	5.439	5.161	5.497	5.892	6.069	5.708 E4 6.09
84)		Toxaphene (6) #2	6.603	6.221	5.774	5.482	5.809	6.315	6.620	6.118 E4 7.17
85)		Toxaphene - AV...								0.000 -1.00

(#) = Out of Range

Compound List Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_200316.M
Title : Instrument: DualECD8
Last Update : Tue Mar 17 11:32:32 2020
Response Via : Initial Calibration

Total Cpnds : 85

MJB 3/17/20

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.579	1.000	A	H	R
2		a-BHC	6.122	1.000	A	H	R
3		g-BHC	6.405	1.000	A	H	R
4		b-BHC	6.481	1.000	Q	H	R
5		Heptachlor	6.818	1.000	A	H	R
6		d-BHC	6.633	1.000	Q	H	R
7		Aldrin	7.062	1.000	A	H	R
8		Heptachlor Expoxide	7.525	1.000	A	H	R
9		trans-Chlordane	7.621	1.000	A	H	R
10		cis-Chlordane	7.718	1.000	A	H	R
11		Endosulfan I	7.818	1.000	A	H	R
12		4,4'-DDE	7.777	1.000	A	H	R
13		Dieldrin	7.990	1.000	A	H	R
14		Endrin	8.158	1.000	A	H	R
15		4,4'-DDD	8.202	1.000	A	H	R
16		Endosulfan II	8.316	1.000	A	H	R
17		4,4'-DDT	8.400	1.000	Q	H	R
18		Endrin Aldehyde	8.608	1.000	A	H	R
19		Endosulfan Sulfate	8.913	1.000	A	H	R
20		Methoxychlor	8.738	1.000	Q	H	R
21		Endrin Ketone	9.110	1.000	A	H	R
22	S	DCBP (S)	9.808	1.000	Q	H	R
23		Hexachlorobutadiene	3.369	1.000	A	H	R
24		Hexachlorobenzene	5.962	1.000	A	H	R
25		Oxychlordane	7.451	1.000	A	H	R
26		2,4'-DDE	7.524	1.000	A	H	R
27		trans-Nonachlor	7.708	1.000	A	H	R
28		2,4'-DDD	7.900	1.000	A	H	R
29		2,4'-DDT	8.083	1.000	A	H	R
30		cis-Nonachlor	8.182	1.000	A	H	R
31		Mirex	8.859	1.000	A	H	R
32		Chlordane (1)	7.620	1.000	A	H	R
33		Chlordane (2)	7.714	1.000	A	H	R
34		Chlordane (3)	8.269	1.000	A	H	R
35		Chlordane - AVE	0.131	1.000	A	H	R
36		Toxaphene (1)	7.692	1.000	A	H	R
37		Toxaphene (2)	7.988	1.000	A	H	R
38		Toxaphene (3)	8.301	1.000	A	H	R
39		Toxaphene (4)	8.543	1.000	A	H	R
40		Toxaphene (5)	8.775	1.000	A	H	R
41		Toxaphene (6)	8.844	1.000	A	H	R
42		Toxaphene - AVE	0.131	1.000	A	H	R
43		Signal #2	3.858	1.000	A	H	R
44	S	TCMX (S) #2	6.024	1.000	A	H	R
45		a-BHC #2	6.629	1.000	Q	H	R
46		g-BHC #2	6.947	1.000	A	H	R
47		b-BHC #2	7.012	1.000	A	H	R
48		Heptachlor #2	7.322	1.000	A	H	R
49		d-BHC #2	7.267	1.000	Q	H	R
50		Aldrin #2	7.588	1.000	A	H	R
51		Heptachlor Expoxide #2	8.028	1.000	A	H	R
52		trans-Chlordane #2	8.167	1.000	Q	H	R
53		cis-Chlordane #2	8.275	1.000	A	H	R
54		Endosulfan I #2	8.326	1.000	A	H	R
55		4,4'-DDE #2	8.382	1.000	Q	H	R
56		Dieldrin #2	8.527	1.000	Q	H	R

57		Endrin #2	8.755	1.000	Q	H	R
58		4,4'-DDD #2	8.800	1.000	Q	H	R
59		Endosulfan II #2	8.904	1.000	Q	H	R
60		4,4'-DDT #2	9.027	1.000	Q	H	R
61		Endrin Aldehyde #2	9.141	1.000	A	H	R
62		Endosulfan Sulfate #2	9.333	1.000	A	H	R
63		Methoxychlor #2	9.510	1.000	Q	H	R
64		Endrin Ketone #2	9.736	1.000	Q	H	R
65	S	DCBP (S) #2	10.605	1.000	Q	H	R
66		Hexachlorobutadiene #2	3.723	1.000	Q	H	R
67		Hexachlorobenzene #2	6.488	1.000	Q	H	R
68		Oxychlordane #2	7.955	1.000	A	H	R
69		2,4'-DDE #2	8.160	1.000	Q	H	R
70		trans-Nonachlor #2	8.229	1.000	Q	H	R
71		2,4'-DDD #2	8.535	1.000	Q	H	R
72		2,4'-DDT #2	8.759	1.000	Q	H	R
73		cis-Nonachlor #2	8.798	1.000	Q	H	R
74		Mirex #2	9.727	1.000	Q	H	R
75		Chlordane (1) #2	8.166	1.000	A	H	R
76		Chlordane (2) #2	8.274	1.000	A	H	R
77		Chlordane (3) #2	8.939	1.000	Q	H	R
78		Chlordane - AVE #2	0.131	1.000	A	H	R
79		Toxaphene (1) #2	8.503	1.000	A	H	R
80		Toxaphene (2) #2	8.851	1.000	A	H	R
81		Toxaphene (3) #2	8.886	1.000	A	H	R
82		Toxaphene (4) #2	8.953	1.000	A	H	R
83		Toxaphene (5) #2	9.131	1.000	A	H	R
84		Toxaphene (6) #2	9.514	1.000	A	H	R
85		Toxaphene - AVE #2	0.131	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

ECD8_QUANTPEST_200316.M Tue Mar 17 14:18:50 2020

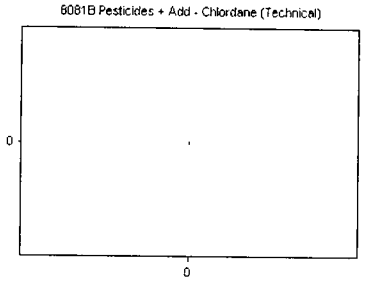
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

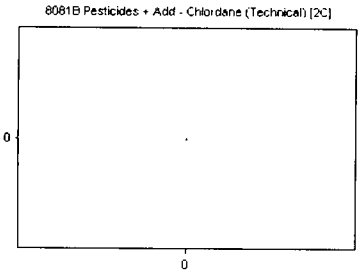


Standard	Concentration	Response	Response Factor	RT
0C16047-CALJ	10	0	0.000	0.00
0C16047-CALK	50	0	0.000	0.00
0C16047-CALL	100	0	0.000	0.00
0C16047-CALM	200	0	0.000	0.00
0C16047-CALN	500	0	0.000	0.00
0C16047-CALO	1000	0	0.000	0.00
0C16047-CALP	2000	0	0.000	0.00

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

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

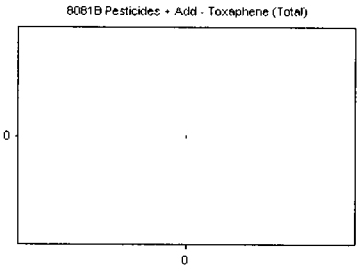


Standard	Concentration	Response	Response Factor	RT
0C16047-CALJ	10	0	0.000	0.00
0C16047-CALK	50	0	0.000	0.00
0C16047-CALL	100	0	0.000	0.00
0C16047-CALM	200	0	0.000	0.00
0C16047-CALN	500	0	0.000	0.00
0C16047-CALO	1000	0	0.000	0.00
0C16047-CALP	2000	0	0.000	0.00

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

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

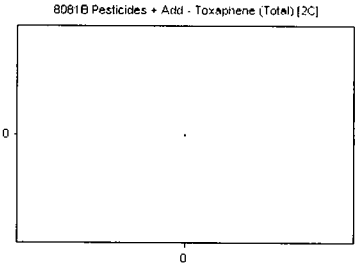


Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	0	0.000	0.00
0C16047-CALR	50	0	0.000	0.00
0C16047-CALS	100	0	0.000	0.00
0C16047-CALT	200	0	0.000	0.00
0C16047-CALU	500	0	0.000	0.00
0C16047-CALV	1000	0	0.000	0.00
0C16047-CALW	2000	0	0.000	0.00

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
0C16047-CALQ	10	0	0.000	0.00
0C16047-CALR	50	0	0.000	0.00
0C16047-CALS	100	0	0.000	0.00
0C16047-CALT	200	0	0.000	0.00
0C16047-CALU	500	0	0.000	0.00
0C16047-CALV	1000	0	0.000	0.00
0C16047-CALW	2000	0	0.000	0.00

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

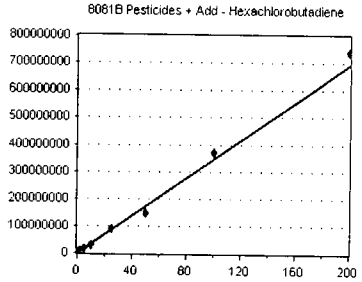
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

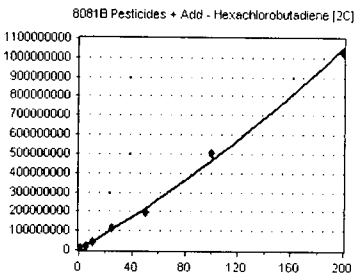


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1888302	3776604.000	3.37
0C16047-CALB	1	3638948	3638948.000	3.37
0C16047-CALC	2	6689821	3344911.000	3.37
0C16047-CALD	5	1.615779E+07	3231558.000	3.37
0C16047-CALE	10	3.219136E+07	3219136.000	3.37
0C16047-CALF	25	9.102577E+07	3641031.000	3.37
0C16047-CALG	50	1.467083E+08	2934166.000	3.37
0C16047-CALH	100	3.733597E+08	3733597.000	3.37
0C16047-CALI	200	7.385484E+08	3692742.000	3.37

AVE RF **3468077.000** RF RSD **8.49** AVE RT **3.37**

Hexachlorobutadiene [2C]

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

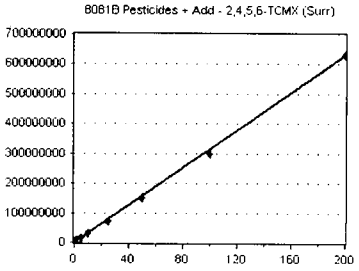


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	2253210	4506420.000	3.72
0C16047-CALB	1	4425865	4425865.000	3.72
0C16047-CALC	2	8109402	4054701.000	3.72
0C16047-CALD	5	1.989476E+07	3978952.000	3.72
0C16047-CALE	10	3.989135E+07	3989135.000	3.72
0C16047-CALF	25	1.130942E+08	4523768.000	3.72
0C16047-CALG	50	1.958282E+08	3916564.000	3.72
0C16047-CALH	100	5.077331E+08	5077331.000	3.72
0C16047-CALI	200	1.024788E+09	5123940.000	3.72

AVE RF **4399631.000** RF RSD **10.51** AVE RT **3.72**

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

Curve Fit: **AVERAGE RF**

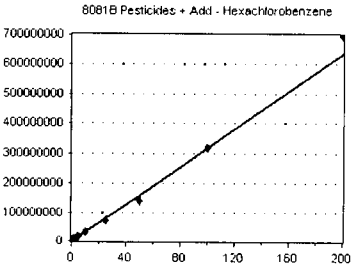


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1806044	3612088.000	5.58
0C16047-CAL2	1	3372941	3372941.000	5.58
0C16047-CAL3	2	6163432	3081716.000	5.58
0C16047-CAL4	5	1.560787E+07	3121574.000	5.58
0C16047-CAL5	10	3.200143E+07	3200143.000	5.58
0C16047-CAL6	25	7.134782E+07	2853913.000	5.58
0C16047-CAL7	50	1.528268E+08	3056536.000	5.58
0C16047-CAL8	100	2.988685E+08	2988685.000	5.58
0C16047-CAL9	200	6.314509E+08	3157255.000	5.58

AVE RF **3160539.000** RF RSD **7.01** AVE RT **5.58**

Hexachlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1831455	3662910.000	5.96
0C16047-CALB	1	3317814	3317814.000	5.96
0C16047-CALC	2	6267149	3133575.000	5.96
0C16047-CALD	5	1.571913E+07	3143826.000	5.96
0C16047-CALE	10	2.949533E+07	2949533.000	5.96
0C16047-CALF	25	7.196039E+07	2878416.000	5.96
0C16047-CALG	50	1.403779E+08	2807558.000	5.96
0C16047-CALH	100	3.182415E+08	3182415.000	5.96
0C16047-CALI	200	6.954713E+08	3477357.000	5.96

AVE RF **3172600.000** RF RSD **8.82** AVE RT **5.96**

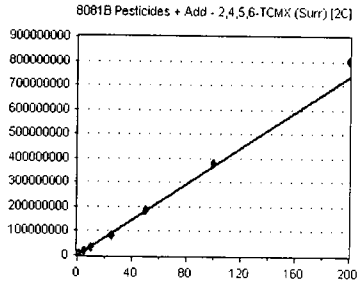
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

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

Curve Fit: **AVERAGE RF**

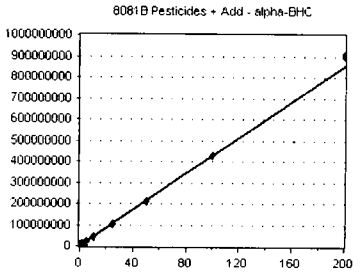


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	2096443	4192886.000	6.02
0C16047-CAL2	1	3681316	3681316.000	6.03
0C16047-CAL3	2	6857973	3428987.000	6.02
0C16047-CAL4	5	1.743473E+07	3486946.000	6.03
0C16047-CAL5	10	3.506814E+07	3506814.000	6.02
0C16047-CAL6	25	8.363619E+07	3345448.000	6.02
0C16047-CAL7	50	1.84032E+08	3680640.000	6.02
0C16047-CAL8	100	3.805075E+08	3805075.000	6.02
0C16047-CAL9	200	8.041382E+08	4020691.000	6.03

AVE RF **3683200.000** RF RSD **7.66** AVE RT **6.02**

alpha-BHC

Curve Fit: **AVERAGE RF**

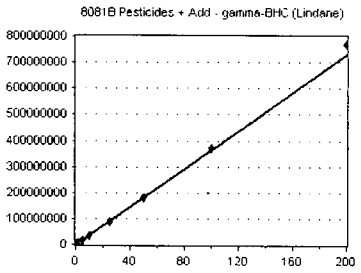


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	2110588	4221176.000	6.12
0C16047-CAL2	1	4259585	4259585.000	6.12
0C16047-CAL3	2	8265132	4132566.000	6.12
0C16047-CAL4	5	2.150937E+07	4301874.000	6.12
0C16047-CAL5	10	4.356598E+07	4356598.000	6.12
0C16047-CAL6	25	1.011276E+08	4045104.000	6.12
0C16047-CAL7	50	2.133182E+08	4266364.000	6.12
0C16047-CAL8	100	4.295539E+08	4295539.000	6.12
0C16047-CAL9	200	9.019487E+08	4509744.000	6.12

AVE RF **4265394.000** RF RSD **3.08** AVE RT **6.12**

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

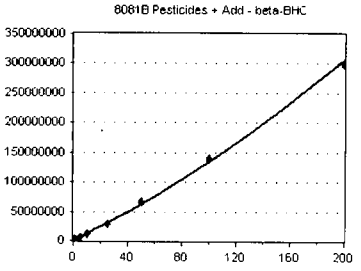


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1863551	3727102.000	6.41
0C16047-CAL2	1	3688342	3688342.000	6.41
0C16047-CAL3	2	6992916	3496458.000	6.41
0C16047-CAL4	5	1.801388E+07	3602776.000	6.41
0C16047-CAL5	10	3.619314E+07	3619314.000	6.41
0C16047-CAL6	25	8.67175E+07	3468700.000	6.41
0C16047-CAL7	50	1.821746E+08	3643492.000	6.41
0C16047-CAL8	100	3.737952E+08	3737952.000	6.41
0C16047-CAL9	200	7.702076E+08	3851038.000	6.41

AVE RF **3648353.000** RF RSD **3.29** AVE RT **6.41**

beta-BHC

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



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	766542	1533084.000	6.49
0C16047-CAL2	1	1356305	1356305.000	6.49
0C16047-CAL3	2	2442163	1221082.000	6.49
0C16047-CAL4	5	5808311	1161662.000	6.49
0C16047-CAL5	10	1.208893E+07	1208893.000	6.49
0C16047-CAL6	25	2.926686E+07	1170674.000	6.48
0C16047-CAL7	50	6.639615E+07	1327923.000	6.48
0C16047-CAL8	100	1.394301E+08	1394301.000	6.48
0C16047-CAL9	200	2.993912E+08	1496956.000	6.48

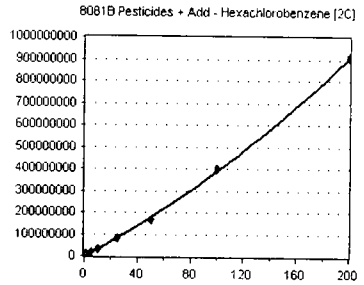
AVE RF **1318987.000** RF RSD **10.49** AVE RT **6.48**

Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Hexachlorobenzene [2C]

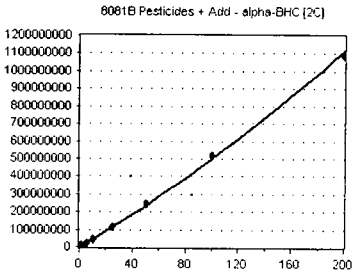


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	2036158	4072316.000	6.49
0C16047-CALB	1	3691223	3691223.000	6.49
0C16047-CALC	2	7158536	3579268.000	6.49
0C16047-CALD	5	1.73543E+07	3470860.000	6.49
0C16047-CALE	10	3.413286E+07	3413286.000	6.49
0C16047-CALF	25	8.280774E+07	3312310.000	6.49
0C16047-CALG	50	1.687429E+08	3374858.000	6.49
0C16047-CALH	100	3.983414E+08	3983414.000	6.49
0C16047-CALI	200	9.080433E+08	4540217.000	6.49

AVE RF **3715306.000** RF RSD **10.97** AVE RT **6.49**

alpha-BHC [2C]

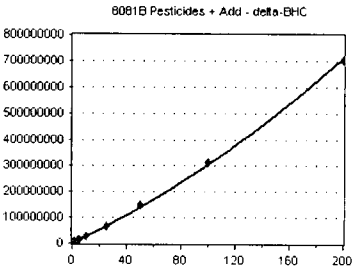


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	2072405	4144810.000	6.63
0C16047-CAL2	1	4183116	4183116.000	6.63
0C16047-CAL3	2	8264595	4132298.000	6.63
0C16047-CAL4	5	2.109767E+07	4219534.000	6.63
0C16047-CAL5	10	4.644078E+07	4644078.000	6.63
0C16047-CAL6	25	1.152554E+08	4610216.000	6.63
0C16047-CAL7	50	2.465964E+08	4931928.000	6.63
0C16047-CAL8	100	5.203239E+08	5203239.000	6.63
0C16047-CAL9	200	1.088272E+09	5441360.000	6.63

AVE RF **4612287.000** RF RSD **10.64** AVE RT **6.63**

delta-BHC

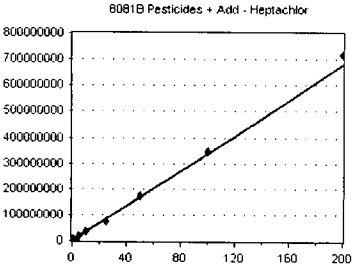


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1332960	2665920.000	6.64
0C16047-CAL2	1	2579384	2579384.000	6.64
0C16047-CAL3	2	4886259	2443130.000	6.64
0C16047-CAL4	5	1.241186E+07	2482372.000	6.64
0C16047-CAL5	10	2.599755E+07	2599755.000	6.64
0C16047-CAL6	25	6.414306E+07	2565723.000	6.64
0C16047-CAL7	50	1.44927E+08	2898540.000	6.63
0C16047-CAL8	100	3.096479E+08	3096479.000	6.63
0C16047-CAL9	200	7.0301E+08	3515050.000	6.63

AVE RF **2760706.000** RF RSD **12.71** AVE RT **6.64**

Heptachlor



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1792900	3585800.000	6.82
0C16047-CAL2	1	3475769	3475769.000	6.82
0C16047-CAL3	2	6470515	3235258.000	6.82
0C16047-CAL4	5	1.636893E+07	3273786.000	6.82
0C16047-CAL5	10	3.450258E+07	3450258.000	6.82
0C16047-CAL6	25	7.417304E+07	2966922.000	6.82
0C16047-CAL7	50	1.717198E+08	3434396.000	6.82
0C16047-CAL8	100	3.465922E+08	3465922.000	6.82
0C16047-CAL9	200	7.160684E+08	3580342.000	6.82

AVE RF **3385384.000** RF RSD **5.81** AVE RT **6.82**

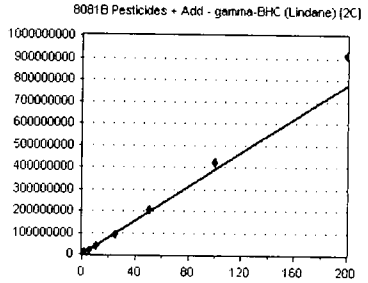
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

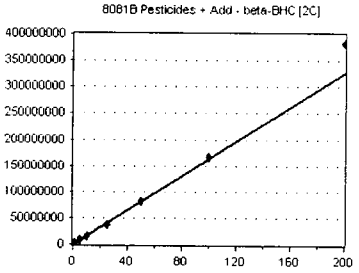


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1884030	3768060.000	6.95
0C16047-CAL2	1	3699641	3699641.000	6.95
0C16047-CAL3	2	6971032	3485516.000	6.95
0C16047-CAL4	5	1.815285E+07	3630570.000	6.95
0C16047-CAL5	10	3.713116E+07	3713116.000	6.95
0C16047-CAL6	25	9.210086E+07	3684035.000	6.95
0C16047-CAL7	50	2.036982E+08	4073964.000	6.95
0C16047-CAL8	100	4.222659E+08	4222659.000	6.95
0C16047-CAL9	200	9.159169E+08	4579585.000	6.95

AVE RF **3873016.000** RF RSD **9.01** AVE RT **6.95**

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

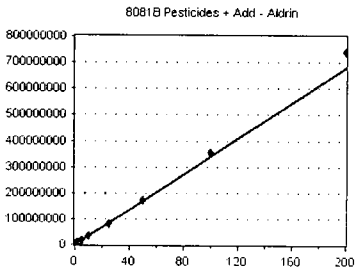


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	899103	1798206.000	7.01
0C16047-CAL2	1	1737642	1737642.000	7.02
0C16047-CAL3	2	3026076	1513038.000	7.02
0C16047-CAL4	5	7620901	1524180.000	7.01
0C16047-CAL5	10	1.486098E+07	1486098.000	7.01
0C16047-CAL6	25	3.63019E+07	1452076.000	7.01
0C16047-CAL7	50	8.137198E+07	1627440.000	7.01
0C16047-CAL8	100	1.673163E+08	1673163.000	7.01
0C16047-CAL9	200	3.833149E+08	1916575.000	7.01

AVE RF **1636491.000** RF RSD **9.68** AVE RT **7.01**

Aldrin

Curve Fit: **AVERAGE RF**

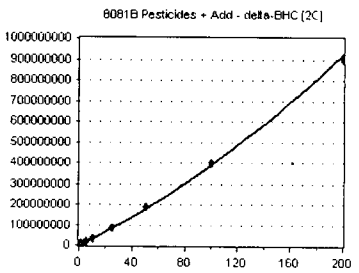


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1718197	3436394.000	7.07
0C16047-CAL2	1	3341644	3341644.000	7.06
0C16047-CAL3	2	6502773	3251387.000	7.06
0C16047-CAL4	5	1.626729E+07	3253458.000	7.06
0C16047-CAL5	10	3.316644E+07	3316644.000	7.06
0C16047-CAL6	25	8.399598E+07	3359839.000	7.06
0C16047-CAL7	50	1.726733E+08	3453466.000	7.06
0C16047-CAL8	100	3.547732E+08	3547732.000	7.06
0C16047-CAL9	200	7.374188E+08	3687094.000	7.06

AVE RF **3405295.000** RF RSD **4.20** AVE RT **7.06**

delta-BHC [2C]

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



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1673193	3346386.000	7.27
0C16047-CAL2	1	3142916	3142916.000	7.27
0C16047-CAL3	2	6104723	3052362.000	7.27
0C16047-CAL4	5	1.599829E+07	3199658.000	7.27
0C16047-CAL5	10	3.372042E+07	3372042.000	7.27
0C16047-CAL6	25	8.456462E+07	3382585.000	7.27
0C16047-CAL7	50	1.876281E+08	3752562.000	7.27
0C16047-CAL8	100	4.016632E+08	4016632.000	7.27
0C16047-CAL9	200	9.044303E+08	4522152.000	7.27

AVE RF **3531922.000** RF RSD **13.57** AVE RT **7.27**

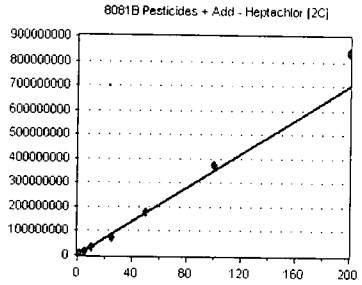
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

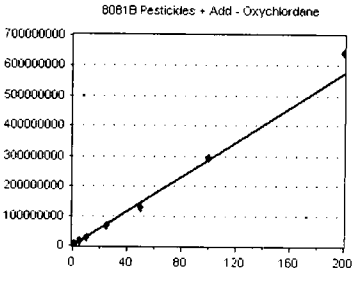


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1853006	3706012.000	7.32
0C16047-CAL2	1	3437259	3437259.000	7.32
0C16047-CAL3	2	6531868	3265934.000	7.32
0C16047-CAL4	5	1.638951E+07	3277902.000	7.32
0C16047-CAL5	10	3.406229E+07	3406229.000	7.32
0C16047-CAL6	25	7.522653E+07	3009061.000	7.32
0C16047-CAL7	50	1.787296E+08	3574592.000	7.32
0C16047-CAL8	100	3.737911E+08	3737911.000	7.32
0C16047-CAL9	200	8.357082E+08	4178541.000	7.32

AVE RF **3510382.000** RF RSD **9.67** AVE RT **7.32**

Oxychlordane

Curve Fit: **AVERAGE RF**

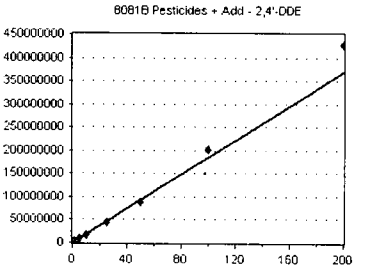


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1624032	3248064.000	7.45
0C16047-CALB	1	3025091	3025091.000	7.45
0C16047-CALC	2	5659468	2829734.000	7.45
0C16047-CALD	5	1.368484E+07	2736968.000	7.45
0C16047-CALE	10	2.659657E+07	2659657.000	7.45
0C16047-CALF	25	6.622133E+07	2648853.000	7.45
0C16047-CALG	50	1.281348E+08	2562696.000	7.45
0C16047-CALH	100	2.94125E+08	2941250.000	7.45
0C16047-CALI	200	6.439233E+08	3219617.000	7.45

AVE RF **2874659.000** RF RSD **8.71** AVE RT **7.45**

2,4'-DDE

Curve Fit: **AVERAGE RF**

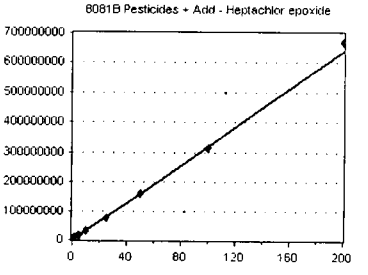


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	956672	1913344.000	7.53
0C16047-CALB	1	1839998	1839998.000	7.53
0C16047-CALC	2	3575830	1787915.000	7.53
0C16047-CALD	5	8731473	1746295.000	7.53
0C16047-CALE	10	1.695399E+07	1695399.000	7.53
0C16047-CALF	25	4.403954E+07	1761582.000	7.53
0C16047-CALG	50	8.69005E+07	1738010.000	7.52
0C16047-CALH	100	2.018832E+08	2018832.000	7.52
0C16047-CALI	200	4.27597E+08	2137985.000	7.52

AVE RF **1848818.000** RF RSD **7.99** AVE RT **7.53**

Heptachlor epoxide

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1722873	3445746.000	7.53
0C16047-CAL2	1	3325232	3325232.000	7.53
0C16047-CAL3	2	6026539	3013270.000	7.53
0C16047-CAL4	5	1.545488E+07	3090976.000	7.53
0C16047-CAL5	10	3.199927E+07	3199927.000	7.53
0C16047-CAL6	25	7.626563E+07	3050625.000	7.53
0C16047-CAL7	50	1.598012E+08	3196024.000	7.53
0C16047-CAL8	100	3.125684E+08	3125684.000	7.52
0C16047-CAL9	200	6.6985E+08	3349250.000	7.52

AVE RF **3199637.000** RF RSD **4.60** AVE RT **7.53**

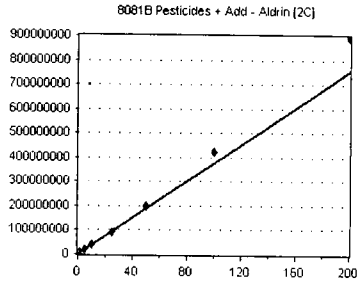
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Aldrin [2C]

Curve Fit: **AVERAGE RF**

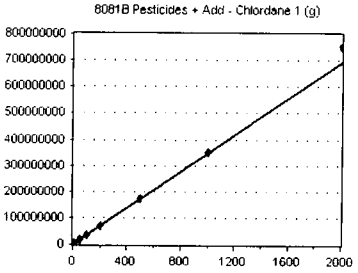


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1738768	3477536.000	7.59
0C16047-CAL2	1	3500323	3500323.000	7.59
0C16047-CAL3	2	6791506	3395753.000	7.59
0C16047-CAL4	5	1.726685E+07	3453370.000	7.59
0C16047-CAL5	10	3.701516E+07	3701516.000	7.59
0C16047-CAL6	25	9.442282E+07	3776913.000	7.59
0C16047-CAL7	50	1.970628E+08	3941256.000	7.59
0C16047-CAL8	100	4.244227E+08	4244227.000	7.59
0C16047-CAL9	200	8.964479E+08	4482240.000	7.59

AVE RF **3774793.000** RF RSD **10.11** AVE RT **7.59**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

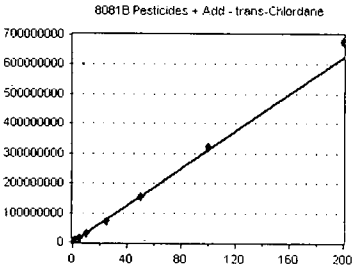


Standard	Concentration	Response	Response Factor	RT
0C16047-CALJ	10	3329191	332919.100	7.62
0C16047-CALK	50	1.639584E+07	327916.800	7.62
0C16047-CALL	100	3.496737E+07	349673.700	7.62
0C16047-CALM	200	6.835256E+07	341762.800	7.62
0C16047-CALN	500	1.732115E+08	346423.000	7.62
0C16047-CALO	1000	3.522511E+08	352251.100	7.62
0C16047-CALP	2000	7.521079E+08	376053.900	7.62

AVE RF **346714.300** RF RSD **4.51** AVE RT **7.62**

trans-Chlordane

Curve Fit: **AVERAGE RF**

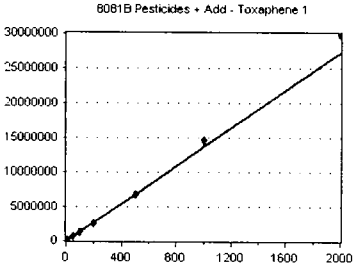


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1652232	3304464.000	7.63
0C16047-CAL2	1	3151992	3151992.000	7.62
0C16047-CAL3	2	5865063	2932532.000	7.62
0C16047-CAL4	5	1.487652E+07	2975304.000	7.62
0C16047-CAL5	10	3.168716E+07	3168716.000	7.62
0C16047-CAL6	25	7.321624E+07	2928650.000	7.62
0C16047-CAL7	50	1.546458E+08	3092916.000	7.62
0C16047-CAL8	100	3.197328E+08	3197328.000	7.62
0C16047-CAL9	200	6.785534E+08	3392767.000	7.62

AVE RF **3127185.000** RF RSD **5.19** AVE RT **7.62**

Toxaphene 1

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	114148	11414.800	7.70
0C16047-CALR	50	687941	13758.820	7.70
0C16047-CALS	100	1367921	13679.210	7.69
0C16047-CALT	200	2648947	13244.740	7.69
0C16047-CALU	500	6770336	13540.670	7.69
0C16047-CALV	1000	1.4604E+07	14604.000	7.69
0C16047-CALW	2000	2.982848E+07	14914.240	7.69

AVE RF **13593.780** RF RSD **8.32** AVE RT **7.69**

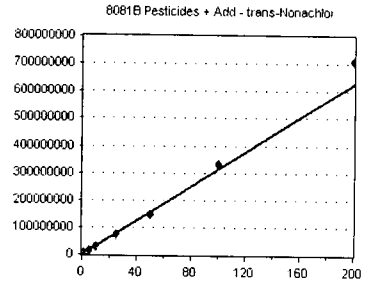
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

trans-Nonachlor

Curve Fit: **AVERAGE RF**

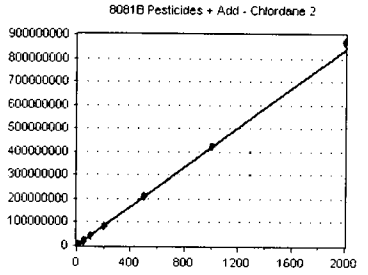


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1717828	3435656.000	7.71
0C16047-CALB	1	3128481	3128481.000	7.71
0C16047-CALC	2	6016432	3008216.000	7.71
0C16047-CALD	5	1.485821E+07	2971642.000	7.71
0C16047-CALE	10	2.963706E+07	2963706.000	7.71
0C16047-CALF	25	7.423923E+07	2969569.000	7.71
0C16047-CALG	50	1.450841E+08	2901682.000	7.71
0C16047-CALH	100	3.335185E+08	3335185.000	7.71
0C16047-CALI	200	7.103327E+08	3551663.000	7.71

AVE RF **3140645.000** RF RSD **7.62** AVE RT **7.71**

Chlordane 2

Curve Fit: **AVERAGE RF**

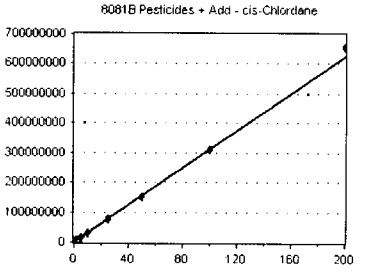


Standard	Concentration	Response	Response Factor	RT
0C16047-CALJ	10	4271808	427180.800	7.72
0C16047-CALK	50	2.014828E+07	402965.600	7.72
0C16047-CALL	100	4.227938E+07	422793.800	7.71
0C16047-CALM	200	8.037995E+07	401899.800	7.71
0C16047-CALN	500	2.088566E+08	417713.200	7.71
0C16047-CALO	1000	4.226211E+08	422621.100	7.71
0C16047-CALP	2000	8.706859E+08	435342.900	7.71

AVE RF **418645.300** RF RSD **2.94** AVE RT **7.71**

cis-Chlordane

Curve Fit: **AVERAGE RF**

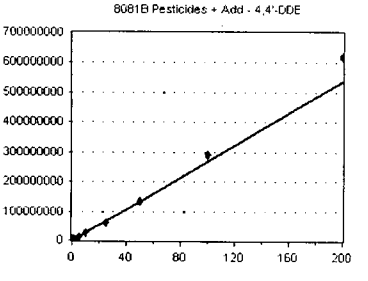


Standard	Concentration	Response	Response Factor	RT
~~0C16047-CAL1~~	~~0.5~~	~~2554143~~	~~5108286.000~~	~~7.72~~
0C16047-CAL2	1	3375508	3375508.000	7.72
0C16047-CAL3	2	6066081	3033041.000	7.72
0C16047-CAL4	5	1.542258E+07	3084516.000	7.72
0C16047-CAL5	10	3.037485E+07	3037485.000	7.72
0C16047-CAL6	25	7.469854E+07	2987942.000	7.72
0C16047-CAL7	50	1.527122E+08	3054244.000	7.72
0C16047-CAL8	100	3.101012E+08	3101012.000	7.72
0C16047-CAL9	200	6.551807E+08	3275903.000	7.72

AVE RF **3118706.000** RF RSD **4.32** AVE RT **7.72**

4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1482462	2964924.000	7.78
0C16047-CAL2	1	2573098	2573098.000	7.78
0C16047-CAL3	2	4802369	2401185.000	7.78
0C16047-CAL4	5	1.232414E+07	2464828.000	7.78
0C16047-CAL5	10	2.565844E+07	2565844.000	7.78
0C16047-CAL6	25	6.150696E+07	2460279.000	7.78
0C16047-CAL7	50	1.375532E+08	2751064.000	7.78
0C16047-CAL8	100	2.903199E+08	2903199.000	7.78
0C16047-CAL9	200	6.188095E+08	3094047.000	7.78

AVE RF **2686496.000** RF RSD **9.34** AVE RT **7.78**

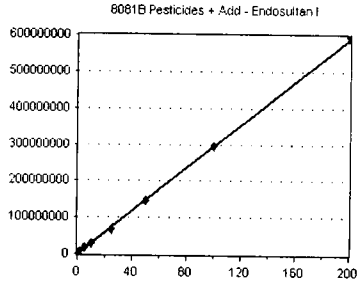
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Endosulfan I

Curve Fit: **AVERAGE RF**

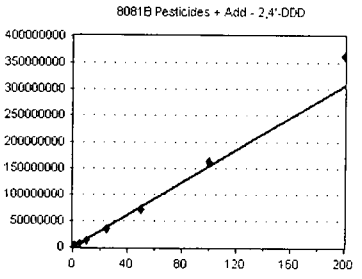


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1566602	3133204.000	7.82
0C16047-CAL2	1	2991466	2991466.000	7.82
0C16047-CAL3	2	5809390	2904695.000	7.82
0C16047-CAL4	5	1.459756E+07	2919512.000	7.82
0C16047-CAL5	10	2.922652E+07	2922652.000	7.82
0C16047-CAL6	25	6.950006E+07	2780003.000	7.82
0C16047-CAL7	50	1.472824E+08	2945648.000	7.82
0C16047-CAL8	100	2.960097E+08	2960097.000	7.82
0C16047-CAL9	200	5.962019E+08	2981010.000	7.82

AVE RF **2948698.000** RF RSD **3.15** AVE RT **7.82**

2,4'-DDD

Curve Fit: **AVERAGE RF**

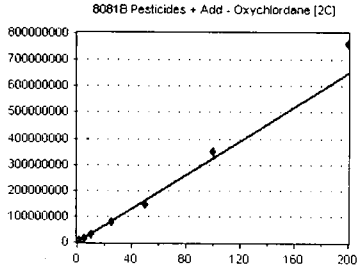


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	837824	1675648.000	7.91
0C16047-CALB	1	1556511	1556511.000	7.90
0C16047-CALC	2	3059096	1529548.000	7.90
0C16047-CALD	5	7042541	1408508.000	7.90
0C16047-CALE	10	1.395092E+07	1395092.000	7.90
0C16047-CALF	25	3.51191E+07	1404764.000	7.90
0C16047-CALG	50	7.173389E+07	1434678.000	7.90
0C16047-CALH	100	1.618329E+08	1618329.000	7.90
0C16047-CALI	200	3.638233E+08	1819117.000	7.90

AVE RF **1538022.000** RF RSD **9.49** AVE RT **7.90**

Oxychlordane [2C]

Curve Fit: **AVERAGE RF**

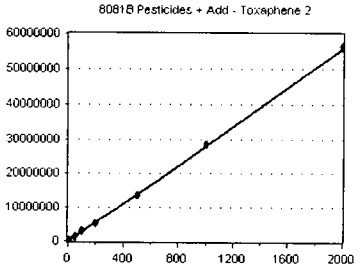


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1805362	3610724.000	7.96
0C16047-CALB	1	3280899	3280899.000	7.96
0C16047-CALC	2	6223694	3111847.000	7.96
0C16047-CALD	5	1.510902E+07	3021804.000	7.96
0C16047-CALE	10	2.963594E+07	2963594.000	7.96
0C16047-CALF	25	7.619069E+07	3047628.000	7.96
0C16047-CALG	50	1.451337E+08	2902674.000	7.96
0C16047-CALH	100	3.522664E+08	3522664.000	7.96
0C16047-CALI	200	7.616314E+08	3808157.000	7.95

AVE RF **3252221.000** RF RSD **9.91** AVE RT **7.96**

Toxaphene 2

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	278871	27887.100	7.99
0C16047-CALR	50	1449392	28987.840	7.99
0C16047-CALS	100	2762575	27625.750	7.99
0C16047-CALT	200	5344669	26723.350	7.99
0C16047-CALU	500	1.363963E+07	27279.260	7.99
0C16047-CALV	1000	2.845717E+07	28457.170	7.99
0C16047-CALW	2000	5.642114E+07	28210.570	7.99

AVE RF **27881.580** RF RSD **2.71** AVE RT **7.99**

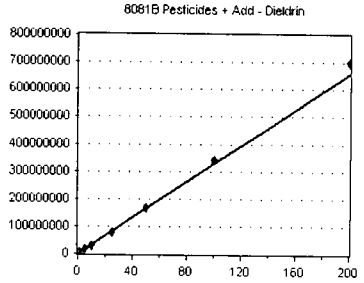
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Dieldrin

Curve Fit: **AVERAGE RF**

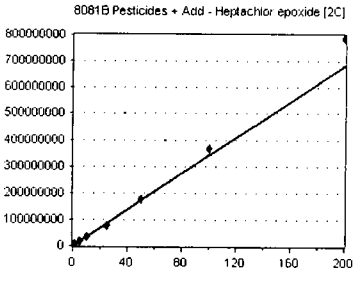


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1684478	3368956.000	8.00
0C16047-CAL2	1	3268121	3268121.000	7.99
0C16047-CAL3	2	6206885	3103443.000	7.99
0C16047-CAL4	5	1.588639E+07	3177278.000	7.99
0C16047-CAL5	10	3.179085E+07	3179085.000	7.99
0C16047-CAL6	25	7.850532E+07	3140213.000	7.99
0C16047-CAL7	50	1.684587E+08	3369174.000	7.99
0C16047-CAL8	100	3.398806E+08	3398806.000	7.99
0C16047-CAL9	200	7.015996E+08	3507998.000	7.99

AVE RF **3279230.000** RF RSD **4.22** AVE RT **7.99**

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

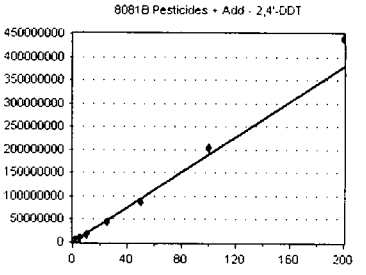


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1738085	3476170.000	8.03
0C16047-CAL2	1	3414675	3414675.000	8.03
0C16047-CAL3	2	6171817	3085909.000	8.03
0C16047-CAL4	5	1.544408E+07	3088816.000	8.03
0C16047-CAL5	10	3.300312E+07	3300312.000	8.03
0C16047-CAL6	25	7.981133E+07	3192453.000	8.03
0C16047-CAL7	50	1.752447E+08	3504894.000	8.03
0C16047-CAL8	100	3.672934E+08	3672934.000	8.03
0C16047-CAL9	200	7.880252E+08	3940126.000	8.03

AVE RF **3408477.000** RF RSD **8.24** AVE RT **8.03**

2,4'-DDT

Curve Fit: **AVERAGE RF**

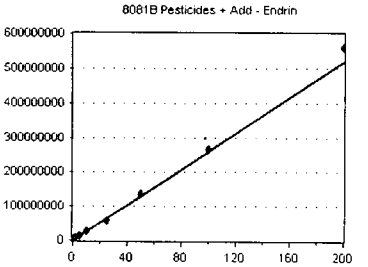


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	999176	1998352.000	8.09
0C16047-CALB	1	1876602	1876602.000	8.09
0C16047-CALC	2	3717100	1858550.000	8.09
0C16047-CALD	5	9009823	1801965.000	8.09
0C16047-CALE	10	1.768407E+07	1768407.000	8.09
0C16047-CALF	25	4.334572E+07	1733829.000	8.08
0C16047-CALG	50	8.730644E+07	1746129.000	8.08
0C16047-CALH	100	2.038468E+08	2038468.000	8.08
0C16047-CALI	200	4.400155E+08	2200078.000	8.08

AVE RF **1891375.000** RF RSD **8.33** AVE RT **8.08**

Endrin

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1328998	2657996.000	8.16
0C16047-CAL2	1	2645126	2645126.000	8.16
0C16047-CAL3	2	4923547	2461774.000	8.16
0C16047-CAL4	5	1.267262E+07	2534524.000	8.16
0C16047-CAL5	10	2.649988E+07	2649988.000	8.16
0C16047-CAL6	25	5.709396E+07	2283759.000	8.16
0C16047-CAL7	50	1.358702E+08	2717404.000	8.16
0C16047-CAL8	100	2.669387E+08	2669387.000	8.16
0C16047-CAL9	200	5.597059E+08	2798530.000	8.16

AVE RF **2602054.000** RF RSD **5.91** AVE RT **8.16**

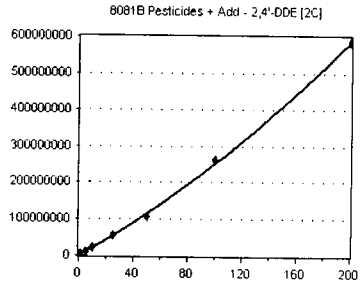
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

2,4'-DDE [2C]

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

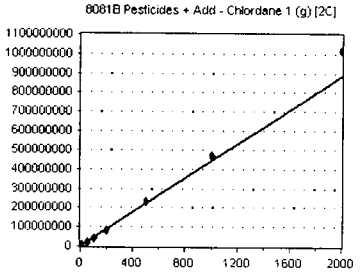


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1158935	2317870.000	8.16
0C16047-CALB	1	2298754	2298754.000	8.16
0C16047-CALC	2	4408622	2204311.000	8.16
0C16047-CALD	5	1.096802E+07	2193604.000	8.16
0C16047-CALE	10	2.160411E+07	2160411.000	8.16
0C16047-CALF	25	5.498051E+07	2199221.000	8.16
0C16047-CALG	50	1.085131E+08	2170262.000	8.16
0C16047-CALH	100	2.619501E+08	2619501.000	8.16
0C16047-CALI	200	5.859075E+08	2929538.000	8.16

AVE RF **2343719.000** RF RSD **11.17** AVE RT **8.16**

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

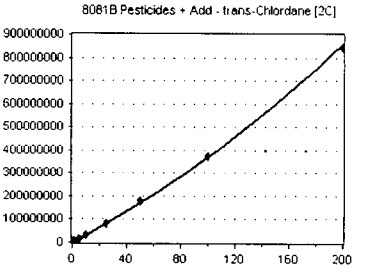


Standard	Concentration	Response	Response Factor	RT
0C16047-CALJ	10	4140965	414096.500	8.17
0C16047-CALK	50	1.981959E+07	396391.800	8.17
0C16047-CALL	100	4.260235E+07	426023.500	8.17
0C16047-CALM	200	8.333409E+07	416670.400	8.17
0C16047-CALN	500	2.317146E+08	463429.200	8.17
0C16047-CALO	1000	4.716979E+08	471697.900	8.17
0C16047-CALP	2000	1.019439E+09	509719.500	8.17

AVE RF **442575.500** RF RSD **9.08** AVE RT **8.17**

trans-Chlordane [2C]

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

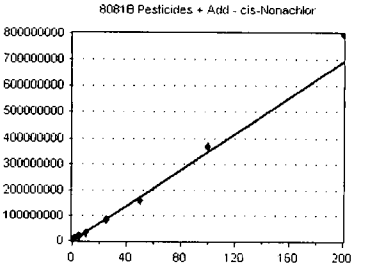


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	2144930	4289860.000	8.17
0C16047-CAL2	1	3277548	3277548.000	8.17
0C16047-CAL3	2	6183908	3091954.000	8.17
0C16047-CAL4	5	1.606461E+07	3212922.000	8.17
0C16047-CAL5	10	3.29765E+07	3297650.000	8.17
0C16047-CAL6	25	8.219798E+07	3287919.000	8.17
0C16047-CAL7	50	1.778886E+08	3557772.000	8.17
0C16047-CAL8	100	3.765471E+08	3765471.000	8.17
0C16047-CAL9	200	8.438905E+08	4219453.000	8.17

AVE RF **3555617.000** RF RSD **12.47** AVE RT **8.17**

cis-Nonachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1811776	3623552.000	8.18
0C16047-CALB	1	3417532	3417532.000	8.19
0C16047-CALC	2	6687812	3343906.000	8.18
0C16047-CALD	5	1.663958E+07	3327916.000	8.18
0C16047-CALE	10	3.229298E+07	3229298.000	8.18
0C16047-CALF	25	8.136598E+07	3254639.000	8.18
0C16047-CALG	50	1.603715E+08	3207430.000	8.18
0C16047-CALH	100	3.6935E+08	3693500.000	8.18
0C16047-CALI	200	7.99396E+08	3996980.000	8.18

AVE RF **3454973.000** RF RSD **7.67** AVE RT **8.18**

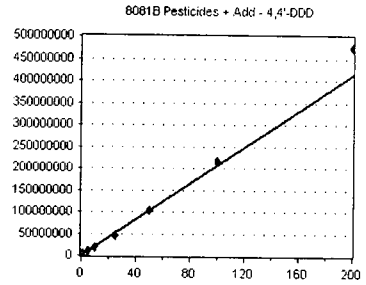
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

4,4'-DDD

Curve Fit: **AVERAGE RF**

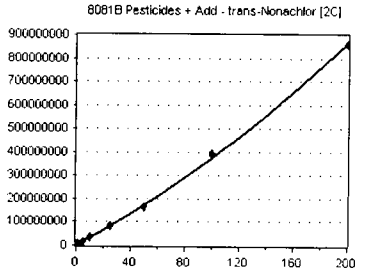


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1170291	2340582.000	8.21
0C16047-CAL2	1	2111209	2111209.000	8.21
0C16047-CAL3	2	3721046	1860523.000	8.21
0C16047-CAL4	5	9569128	1913826.000	8.21
0C16047-CAL5	10	2.021142E+07	2021142.000	8.21
0C16047-CAL6	25	4.582032E+07	1832813.000	8.20
0C16047-CAL7	50	1.019916E+08	2039832.000	8.20
0C16047-CAL8	100	2.165687E+08	2165687.000	8.20
0C16047-CAL9	200	4.755114E+08	2377557.000	8.20

AVE RF **2073686.000** RF RSD **9.44** AVE RT **8.20**

trans-Nonachlor [2C]

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

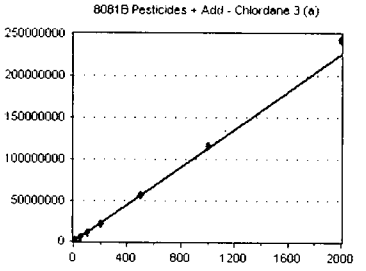


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1907827	3815654.000	8.23
0C16047-CALB	1	3625130	3625130.000	8.23
0C16047-CALC	2	6911208	3455604.000	8.23
0C16047-CALD	5	1.621922E+07	3243844.000	8.23
0C16047-CALE	10	3.224442E+07	3224442.000	8.23
0C16047-CALF	25	8.267414E+07	3306966.000	8.23
0C16047-CALG	50	1.636095E+08	3272190.000	8.23
0C16047-CALH	100	3.930097E+08	3930097.000	8.23
0C16047-CALI	200	8.59781E+08	4298905.000	8.23

AVE RF **3574759.000** RF RSD **10.47** AVE RT **8.23**

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

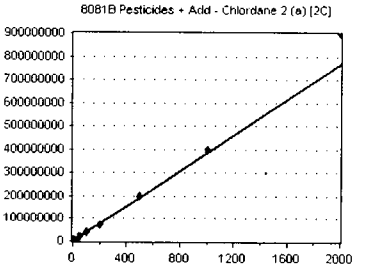


Standard	Concentration	Response	Response Factor	RT
0C16047-CALJ	10	1163576	116357.600	8.27
0C16047-CALK	50	5337472	106749.400	8.27
0C16047-CALL	100	1.078692E+07	107869.200	8.27
0C16047-CALM	200	2.120554E+07	106027.700	8.27
0C16047-CALN	500	5.722729E+07	114454.600	8.27
0C16047-CALO	1000	1.165036E+08	116503.600	8.27
0C16047-CALP	2000	2.429824E+08	121491.200	8.27

AVE RF **112779.000** RF RSD **5.26** AVE RT **8.27**

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CALJ	10	3734582	373458.200	8.28
0C16047-CALK	50	1.768113E+07	353622.600	8.28
0C16047-CALL	100	3.668118E+07	366811.800	8.27
0C16047-CALM	200	7.102229E+07	355111.400	8.28
0C16047-CALN	500	1.970766E+08	394153.200	8.27
0C16047-CALO	1000	3.994689E+08	399468.900	8.27
0C16047-CALP	2000	8.986527E+08	449326.300	8.27

AVE RF **384564.600** RF RSD **8.74** AVE RT **8.27**

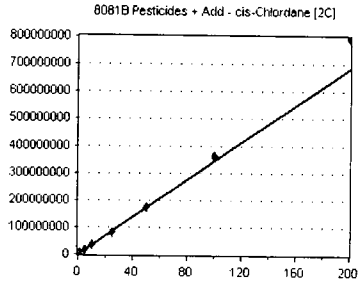
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

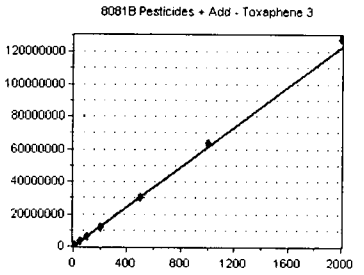


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1773525	3547050.000	8.28
0C16047-CAL2	1	3446677	3446677.000	8.28
0C16047-CAL3	2	6263855	3131928.000	8.28
0C16047-CAL4	5	1.524115E+07	3048230.000	8.28
0C16047-CAL5	10	3.25134E+07	3251340.000	8.28
0C16047-CAL6	25	8.284746E+07	3313898.000	8.28
0C16047-CAL7	50	1.734713E+08	3469426.000	8.28
0C16047-CAL8	100	3.612678E+08	3612678.000	8.28
0C16047-CAL9	200	7.970097E+08	3985049.000	8.28

AVE RF **3422919.000** RF RSD **8.24** AVE RT **8.28**

Toxaphene 3

Curve Fit: **AVERAGE RF**

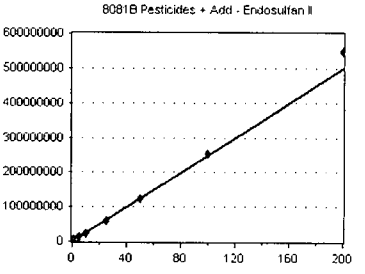


Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	583372	58337.200	8.31
0C16047-CALR	50	3196469	63929.380	8.31
0C16047-CALS	100	6039456	60394.560	8.31
0C16047-CALT	200	1.165717E+07	58285.850	8.30
0C16047-CALU	500	3.04056E+07	60811.200	8.30
0C16047-CALV	1000	6.377447E+07	63774.470	8.30
0C16047-CALW	2000	1.279842E+08	63992.100	8.30

AVE RF **61360.680** RF RSD **4.16** AVE RT **8.30**

Endosulfan II

Curve Fit: **AVERAGE RF**

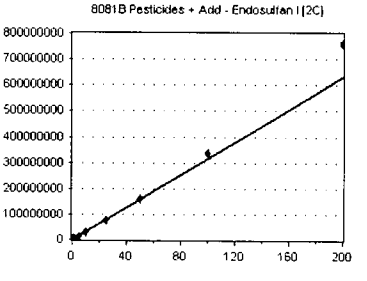


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1397077	2794154.000	8.32
0C16047-CAL2	1	2579178	2579178.000	8.32
0C16047-CAL3	2	4658564	2329282.000	8.32
0C16047-CAL4	5	1.143834E+07	2287668.000	8.32
0C16047-CAL5	10	2.367523E+07	2367523.000	8.32
0C16047-CAL6	25	5.899439E+07	2359776.000	8.32
0C16047-CAL7	50	1.221805E+08	2443610.000	8.32
0C16047-CAL8	100	2.514108E+08	2514108.000	8.32
0C16047-CAL9	200	5.494815E+08	2747407.000	8.32

AVE RF **2491412.000** RF RSD **7.35** AVE RT **8.32**

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1605528	3211056.000	8.33
0C16047-CAL2	1	3024358	3024358.000	8.33
0C16047-CAL3	2	5675461	2837731.000	8.33
0C16047-CAL4	5	1.418531E+07	2837062.000	8.33
0C16047-CAL5	10	2.947079E+07	2947079.000	8.33
0C16047-CAL6	25	7.740398E+07	3096159.000	8.33
0C16047-CAL7	50	1.584827E+08	3169654.000	8.33
0C16047-CAL8	100	3.389091E+08	3389091.000	8.33
0C16047-CAL9	200	7.606391E+08	3803196.000	8.33

AVE RF **3146154.000** RF RSD **9.69** AVE RT **8.33**

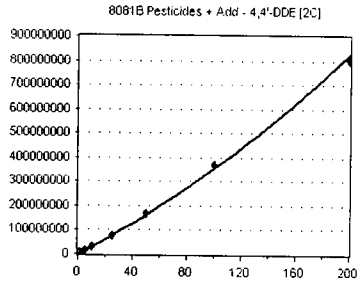
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

4,4'-DDE [2C]

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

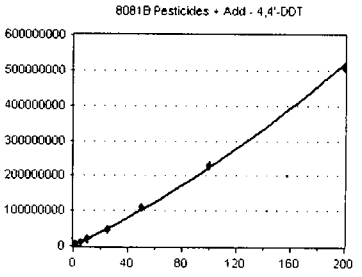


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1581284	3162568.000	8.39
0C16047-CAL2	1	3019785	3019785.000	8.39
0C16047-CAL3	2	5604294	2802147.000	8.39
0C16047-CAL4	5	1.437505E+07	2875010.000	8.39
0C16047-CAL5	10	3.110006E+07	3110006.000	8.39
0C16047-CAL6	25	7.644153E+07	3057661.000	8.38
0C16047-CAL7	50	1.725865E+08	3451730.000	8.38
0C16047-CAL8	100	3.68799E+08	3687990.000	8.38
0C16047-CAL9	200	8.015507E+08	4007754.000	8.38

AVE RF **3241628.000** RF RSD **12.26** AVE RT **8.38**

4,4'-DDT

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

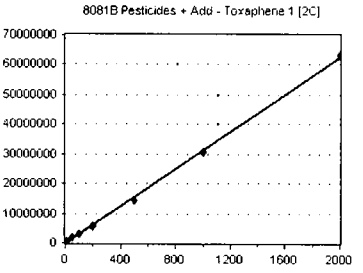


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1183015	2366030.000	8.41
0C16047-CAL2	1	2013965	2013965.000	8.40
0C16047-CAL3	2	3669704	1834852.000	8.41
0C16047-CAL4	5	9750786	1950157.000	8.40
0C16047-CAL5	10	2.056738E+07	2056738.000	8.40
0C16047-CAL6	25	4.497974E+07	1799190.000	8.40
0C16047-CAL7	50	1.092815E+08	2185630.000	8.40
0C16047-CAL8	100	2.306451E+08	2306451.000	8.40
0C16047-CAL9	200	5.094778E+08	2547389.000	8.40

AVE RF **2117822.000** RF RSD **11.93** AVE RT **8.40**

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

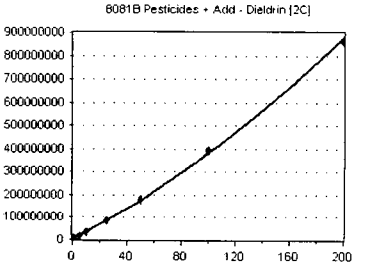


Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	331983	33198.300	8.51
0C16047-CALR	50	1715739	34314.780	8.50
0C16047-CALS	100	3059375	30593.750	8.50
0C16047-CALT	200	5833961	29169.800	8.50
0C16047-CALU	500	1.429262E+07	28585.240	8.50
0C16047-CALV	1000	3.081081E+07	30810.810	8.50
0C16047-CALW	2000	6.302344E+07	31511.720	8.50

AVE RF **31169.200** RF RSD **6.58** AVE RT **8.50**

Dieldrin [2C]

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



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1742981	3485962.000	8.53
0C16047-CAL2	1	3341962	3341962.000	8.53
0C16047-CAL3	2	6206567	3103284.000	8.53
0C16047-CAL4	5	1.611583E+07	3223166.000	8.53
0C16047-CAL5	10	3.332684E+07	3332684.000	8.53
0C16047-CAL6	25	8.929068E+07	3571627.000	8.53
0C16047-CAL7	50	1.794323E+08	3588646.000	8.53
0C16047-CAL8	100	3.942231E+08	3942231.000	8.53
0C16047-CAL9	200	8.632215E+08	4316108.000	8.53

AVE RF **3545074.000** RF RSD **10.66** AVE RT **8.53**

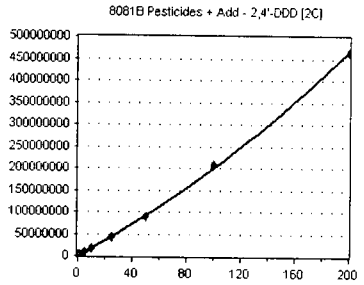
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

2,4'-DDD [2C]

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

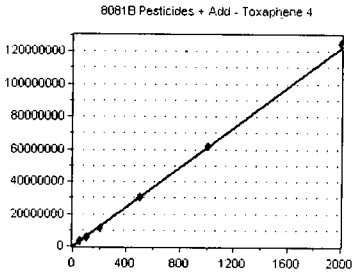


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1045189	2090378.000	8.54
0C16047-CALB	1	1890535	1890535.000	8.54
0C16047-CALC	2	3780582	1890291.000	8.54
0C16047-CALD	5	8794391	1758878.000	8.54
0C16047-CALE	10	1.667539E+07	1667539.000	8.54
0C16047-CALF	25	4.341943E+07	1736777.000	8.54
0C16047-CALG	50	8.883074E+07	1776615.000	8.54
0C16047-CALH	100	2.076971E+08	2076971.000	8.53
0C16047-CALI	200	4.640565E+08	2320283.000	8.53

AVE RF **1912030.000** RF RSD **11.08** AVE RT **8.54**

Toxaphene 4

Curve Fit: **AVERAGE RF**

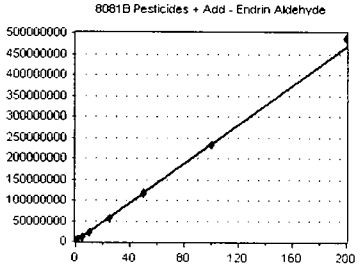


Standard	Concentration	Response	Response Factor	RT
~~0C16047-CALQ~~	~~10~~	~~1008912~~	~~100891.200~~	~~8.55~~
0C16047-CALR	50	3307268	66145.360	8.55
0C16047-CALS	100	5949318	59493.180	8.55
0C16047-CALT	200	1.132611E+07	56630.550	8.55
0C16047-CALU	500	2.995844E+07	59916.880	8.54
0C16047-CALV	1000	6.194742E+07	61947.420	8.54
0C16047-CALW	2000	1.25312E+08	62656.000	8.54

AVE RF **61131.570** RF RSD **5.30** AVE RT **8.54**

Endrin Aldehyde

Curve Fit: **AVERAGE RF**

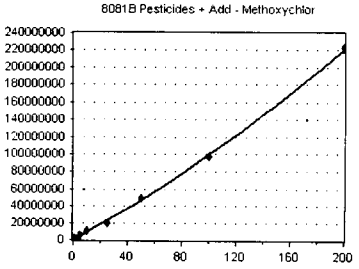


Standard	Concentration	Response	Response Factor	RT
~~0C16047-CAL1~~	~~0.5~~	~~2273688~~	~~4547376.000~~	~~8.61~~
~~0C16047-CAL2~~	~~1~~	~~4020833~~	~~4020833.000~~	~~8.61~~
0C16047-CAL3	2	4981879	2490940.000	8.61
0C16047-CAL4	5	1.157638E+07	2315276.000	8.61
0C16047-CAL5	10	2.243241E+07	2243241.000	8.61
0C16047-CAL6	25	5.55828E+07	2223312.000	8.61
0C16047-CAL7	50	1.149396E+08	2298792.000	8.61
0C16047-CAL8	100	2.314454E+08	2314454.000	8.61
0C16047-CAL9	200	4.874308E+08	2437154.000	8.61

AVE RF **2331881.000** RF RSD **4.21** AVE RT **8.61**

Methoxychlor

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



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	643161	1286322.000	8.74
0C16047-CAL2	1	1122231	1122231.000	8.74
0C16047-CAL3	2	1937413	968706.500	8.74
0C16047-CAL4	5	4722849	944569.800	8.74
0C16047-CAL5	10	9880452	988045.200	8.74
0C16047-CAL6	25	1.970796E+07	788318.400	8.74
0C16047-CAL7	50	4.990806E+07	998161.200	8.74
0C16047-CAL8	100	9.682798E+07	968279.800	8.74
0C16047-CAL9	200	2.228269E+08	1114135.000	8.74

AVE RF **1019863.000** RF RSD **13.71** AVE RT **8.74**

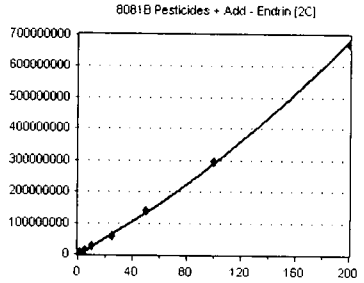
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Endrin [2C]

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

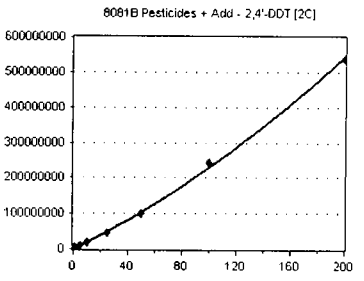


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1230376	2460752.000	8.76
0C16047-CAL2	1	2468758	2468758.000	8.76
0C16047-CAL3	2	4613463	2306732.000	8.76
0C16047-CAL4	5	1.203868E+07	2407736.000	8.76
0C16047-CAL5	10	2.608722E+07	2608722.000	8.76
0C16047-CAL6	25	5.608562E+07	2243425.000	8.76
0C16047-CAL7	50	1.408512E+08	2817024.000	8.76
0C16047-CAL8	100	2.956454E+08	2956454.000	8.76
0C16047-CAL9	200	6.746437E+08	3373219.000	8.76

AVE RF **2626980.000** RF RSD **13.81** AVE RT **8.76**

2,4'-DDT [2C]

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

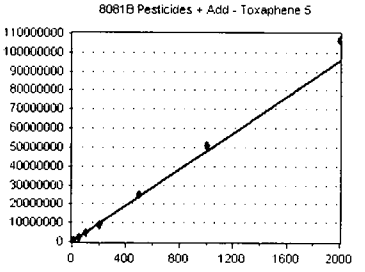


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1100621	2201242.000	8.76
0C16047-CALB	1	2002502	2002502.000	8.76
0C16047-CALC	2	4050268	2025134.000	8.76
0C16047-CALD	5	9672146	1934429.000	8.76
0C16047-CALE	10	1.90003E+07	1900030.000	8.76
0C16047-CALF	25	4.673779E+07	1869512.000	8.76
0C16047-CALG	50	1.007118E+08	2014236.000	8.76
0C16047-CALH	100	2.42598E+08	2425980.000	8.76
0C16047-CALI	200	5.378944E+08	2689472.000	8.76

AVE RF **2118060.000** RF RSD **12.97** AVE RT **8.76**

Toxaphene 5

Curve Fit: **AVERAGE RF**

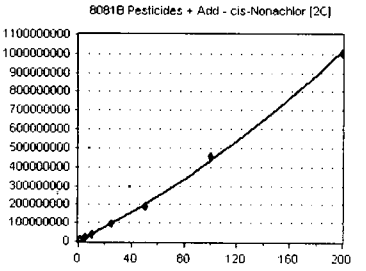


Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	429605	42960.500	8.78
0C16047-CALR	50	2425970	48519.400	8.78
0C16047-CALS	100	4536179	45361.790	8.78
0C16047-CALT	200	8915637	44578.180	8.78
0C16047-CALU	500	2.495831E+07	49916.620	8.78
0C16047-CALV	1000	5.110593E+07	51105.930	8.78
0C16047-CALW	2000	1.061366E+08	53068.300	8.77

AVE RF **47930.100** RF RSD **7.77** AVE RT **8.78**

cis-Nonachlor [2C]

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



Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	2027955	4055910.000	8.80
0C16047-CALB	1	3797349	3797349.000	8.80
0C16047-CALC	2	7483777	3741889.000	8.80
0C16047-CALD	5	1.882787E+07	3765574.000	8.80
0C16047-CALE	10	3.697412E+07	3697412.000	8.80
0C16047-CALF	25	9.564464E+07	3825786.000	8.80
0C16047-CALG	50	1.904949E+08	3809898.000	8.80
0C16047-CALH	100	4.580097E+08	4580097.000	8.80
0C16047-CALI	200	1.004313E+09	5021565.000	8.80

AVE RF **4032831.000** RF RSD **11.41** AVE RT **8.80**

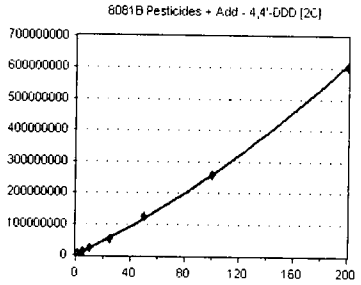
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

4,4'-DDD [2C]

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

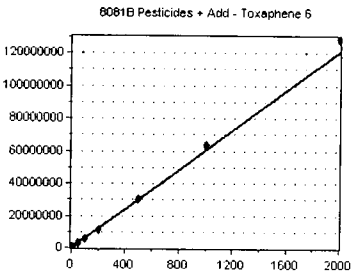


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1197635	2395270.000	8.80
0C16047-CAL2	1	2263226	2263226.000	8.80
0C16047-CAL3	2	4073798	2036899.000	8.80
0C16047-CAL4	5	1.04813E+07	2096260.000	8.80
0C16047-CAL5	10	2.24309E+07	2243090.000	8.80
0C16047-CAL6	25	5.479524E+07	2191810.000	8.80
0C16047-CAL7	50	1.243677E+08	2487354.000	8.80
0C16047-CAL8	100	2.56721E+08	2567210.000	8.80
0C16047-CAL9	200	6.063002E+08	3031501.000	8.80

AVE RF **2368069.000** RF RSD **12.81** AVE RT **8.80**

Toxaphene 6

Curve Fit: **AVERAGE RF**

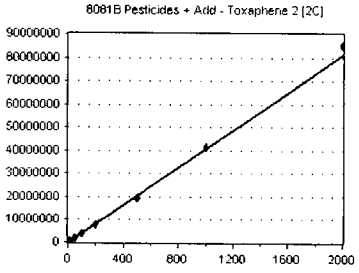


Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	589146	58914.600	8.85
0C16047-CALR	50	3100626	62012.520	8.85
0C16047-CALS	100	5689673	56896.730	8.85
0C16047-CALT	200	1.128312E+07	56415.600	8.85
0C16047-CALU	500	3.016421E+07	60328.420	8.84
0C16047-CALV	1000	6.422126E+07	64221.260	8.84
0C16047-CALW	2000	1.284665E+08	64233.250	8.84

AVE RF **60431.770** RF RSD **5.33** AVE RT **8.85**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

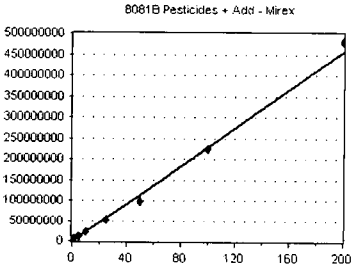


Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	412705	41270.500	8.85
0C16047-CALR	50	2171985	43439.700	8.85
0C16047-CALS	100	3943993	39439.930	8.85
0C16047-CALT	200	7569403	37847.020	8.85
0C16047-CALU	500	1.931235E+07	38624.700	8.85
0C16047-CALV	1000	4.12694E+07	41269.400	8.85
0C16047-CALW	2000	8.510746E+07	42553.730	8.85

AVE RF **40635.000** RF RSD **5.08** AVE RT **8.85**

Mirex

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1353238	2706476.000	8.86
0C16047-CALB	1	2451332	2451332.000	8.86
0C16047-CALC	2	4750118	2375059.000	8.86
0C16047-CALD	5	1.152364E+07	2304728.000	8.86
0C16047-CALE	10	2.078256E+07	2078256.000	8.86
0C16047-CALF	25	5.100986E+07	2040394.000	8.86
0C16047-CALG	50	9.767877E+07	1953575.000	8.86
0C16047-CALH	100	2.24966E+08	2249660.000	8.86
0C16047-CALI	200	4.799707E+08	2399854.000	8.86

AVE RF **2284370.000** RF RSD **10.27** AVE RT **8.86**

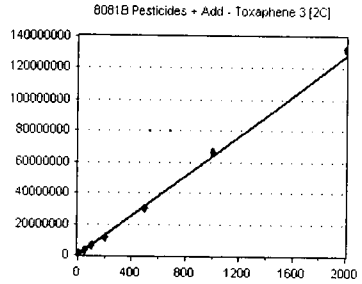
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

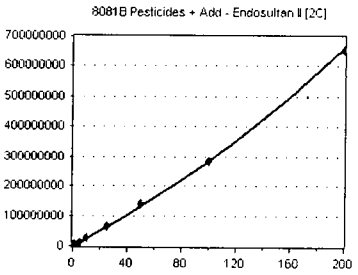


Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	689828	68982.800	8.89
0C16047-CALR	50	3372485	67449.700	8.89
0C16047-CALS	100	5860542	58605.420	8.89
0C16047-CALT	200	1.168651E+07	58432.550	8.89
0C16047-CALU	500	3.043045E+07	60860.900	8.89
0C16047-CALV	1000	6.622592E+07	66225.920	8.89
0C16047-CALW	2000	1.324161E+08	66208.050	8.89

AVE RF **63823.620** RF RSD **6.90** AVE RT **8.89**

Endosulfan II [2C]

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

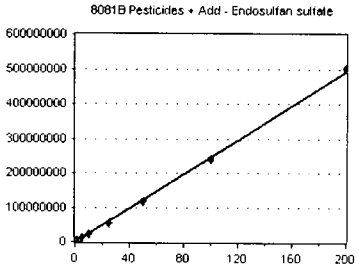


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1433392	2866784.000	8.91
0C16047-CAL2	1	2619377	2619377.000	8.91
0C16047-CAL3	2	4697413	2348707.000	8.91
0C16047-CAL4	5	1.176648E+07	2353296.000	8.91
0C16047-CAL5	10	2.55142E+07	2551420.000	8.91
0C16047-CAL6	25	6.281165E+07	2512466.000	8.90
0C16047-CAL7	50	1.390373E+08	2780746.000	8.90
0C16047-CAL8	100	2.835254E+08	2835254.000	8.90
0C16047-CAL9	200	6.551489E+08	3275745.000	8.90

AVE RF **2682644.000** RF RSD **10.94** AVE RT **8.91**

Endosulfan sulfate

Curve Fit: **AVERAGE RF**

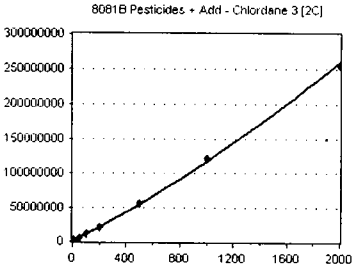


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1523851	3047702.000	8.92
0C16047-CAL2	1	2646696	2646696.000	8.92
0C16047-CAL3	2	4585226	2292613.000	8.92
0C16047-CAL4	5	1.167066E+07	2334132.000	8.92
0C16047-CAL5	10	2.359421E+07	2359421.000	8.91
0C16047-CAL6	25	5.516172E+07	2206469.000	8.91
0C16047-CAL7	50	1.200701E+08	2401402.000	8.91
0C16047-CAL8	100	2.411317E+08	2411317.000	8.91
0C16047-CAL9	200	5.035787E+08	2517894.000	8.91

AVE RF **2468627.000** RF RSD **10.20** AVE RT **8.91**

Chlordane 3 [2C]

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



Standard	Concentration	Response	Response Factor	RT
0C16047-CALJ	10	1409064	140906.400	8.94
0C16047-CALK	50	5567784	111355.700	8.94
0C16047-CALL	100	1.1109E+07	111090.000	8.94
0C16047-CALM	200	2.065199E+07	103260.000	8.94
0C16047-CALN	500	5.687813E+07	113756.300	8.94
0C16047-CALO	1000	1.215185E+08	121518.500	8.94
0C16047-CALP	2000	2.549098E+08	127454.900	8.94

AVE RF **118477.400** RF RSD **10.63** AVE RT **8.94**

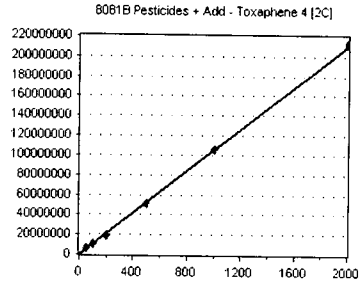
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Toxaphene 4 [2C]

Curve Fit: **AVERAGE RF**

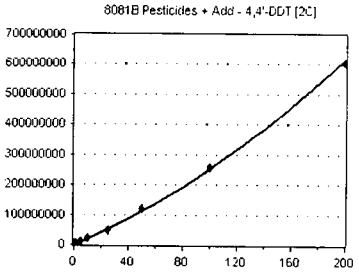


Standard	Concentration	Response	Response Factor	RT
~~0C16047-CALQ~~	~~10~~	~~2078231~~	~~207823.100~~	~~8.96~~
0C16047-CALR	50	5942053	118841.100	8.96
0C16047-CALS	100	1.022486E+07	102248.600	8.96
0C16047-CALT	200	1.919263E+07	95963.150	8.96
0C16047-CALU	500	5.130909E+07	102618.200	8.95
0C16047-CALV	1000	1.062149E+08	106214.900	8.95
0C16047-CALW	2000	2.134365E+08	106718.300	8.95

AVE RF **105434.000** RF RSD **7.22** AVE RT **8.95**

4,4'-DDT [2C]

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

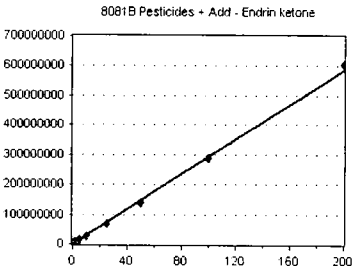


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1236261	2472522.000	9.03
0C16047-CAL2	1	2173999	2173999.000	9.03
0C16047-CAL3	2	3913998	1956999.000	9.03
0C16047-CAL4	5	9982728	1996546.000	9.03
0C16047-CAL5	10	2.150504E+07	2150504.000	9.03
0C16047-CAL6	25	4.759395E+07	1903758.000	9.03
0C16047-CAL7	50	1.217546E+08	2435092.000	9.03
0C16047-CAL8	100	2.587057E+08	2587057.000	9.03
0C16047-CAL9	200	6.057676E+08	3028838.000	9.03

AVE RF **2300591.000** RF RSD **15.87** AVE RT **9.03**

Endrin ketone

Curve Fit: **AVERAGE RF**

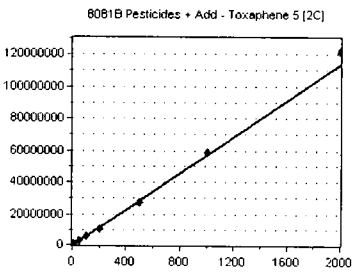


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1733080	3466160.000	9.12
0C16047-CAL2	1	3199016	3199016.000	9.11
0C16047-CAL3	2	5682686	2841343.000	9.11
0C16047-CAL4	5	1.366442E+07	2732884.000	9.11
0C16047-CAL5	10	2.734582E+07	2734582.000	9.11
0C16047-CAL6	25	6.6289E+07	2651560.000	9.11
0C16047-CAL7	50	1.40124E+08	2802480.000	9.11
0C16047-CAL8	100	2.862986E+08	2862986.000	9.11
0C16047-CAL9	200	6.047462E+08	3023731.000	9.11

AVE RF **2923860.000** RF RSD **8.98** AVE RT **9.11**

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	606504	60650.400	9.14
0C16047-CALR	50	2917713	58354.260	9.13
0C16047-CALS	100	5438780	54387.800	9.13
0C16047-CALT	200	1.032108E+07	51605.400	9.13
0C16047-CALU	500	2.748489E+07	54969.780	9.13
0C16047-CALV	1000	5.89219E+07	58921.900	9.13
0C16047-CALW	2000	1.2138E+08	60690.000	9.13

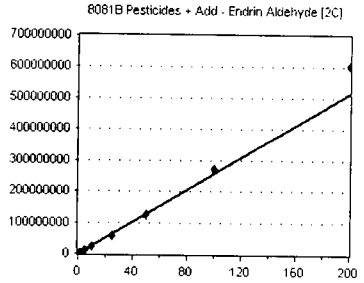
AVE RF **57082.790** RF RSD **6.09** AVE RT **9.13**

Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Endrin Aldehyde [2C]

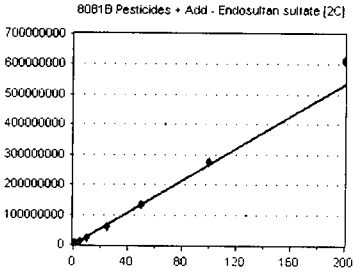


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0C16047-CAL1~~	~~0.5~~	~~2274907~~	~~4549814.000~~	~~9.15~~
~~0C16047-CAL2~~	~~1~~	~~4133575~~	~~4133575.000~~	~~9.15~~
0C16047-CAL3	2	5369712	2684856.000	9.14
0C16047-CAL4	5	1.214283E+07	2428566.000	9.14
0C16047-CAL5	10	2.397706E+07	2397706.000	9.14
0C16047-CAL6	25	5.857934E+07	2343174.000	9.14
0C16047-CAL7	50	1.234108E+08	2468216.000	9.14
0C16047-CAL8	100	2.722103E+08	2722103.000	9.14
0C16047-CAL9	200	6.060619E+08	3030310.000	9.14

AVE RF **2582133.000** RF RSD **9.47** AVE RT **9.14**

Endosulfan sulfate [2C]

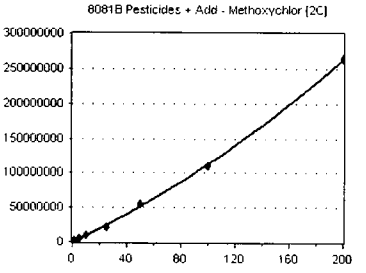


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1484562	2969124.000	9.34
0C16047-CAL2	1	2793416	2793416.000	9.34
0C16047-CAL3	2	4852129	2426065.000	9.34
0C16047-CAL4	5	1.174235E+07	2348470.000	9.34
0C16047-CAL5	10	2.449724E+07	2449724.000	9.34
0C16047-CAL6	25	6.18407E+07	2473628.000	9.33
0C16047-CAL7	50	1.330816E+08	2661632.000	9.33
0C16047-CAL8	100	2.774418E+08	2774418.000	9.33
0C16047-CAL9	200	6.135498E+08	3067749.000	9.33

AVE RF **2662692.000** RF RSD **9.61** AVE RT **9.34**

Methoxychlor [2C]

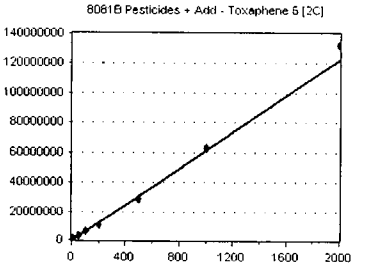


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	683285	1366570.000	9.51
0C16047-CAL2	1	1213941	1213941.000	9.51
0C16047-CAL3	2	2116047	1058024.000	9.51
0C16047-CAL4	5	5018441	1003688.000	9.51
0C16047-CAL5	10	1.033644E+07	1033644.000	9.51
0C16047-CAL6	25	2.160228E+07	864091.200	9.51
0C16047-CAL7	50	5.530568E+07	1106114.000	9.51
0C16047-CAL8	100	1.102386E+08	1102386.000	9.51
0C16047-CAL9	200	2.648896E+08	1324448.000	9.51

AVE RF **1119212.000** RF RSD **14.21** AVE RT **9.51**

Toxaphene 6 [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0C16047-CALQ	10	660324	66032.400	9.52
0C16047-CALR	50	3110662	62213.240	9.52
0C16047-CALS	100	5773709	57737.090	9.52
0C16047-CALT	200	1.096415E+07	54820.750	9.52
0C16047-CALU	500	2.904487E+07	58089.740	9.51
0C16047-CALV	1000	6.315221E+07	63152.210	9.51
0C16047-CALW	2000	1.324032E+08	66201.600	9.51

AVE RF **61178.150** RF RSD **7.17** AVE RT **9.52**

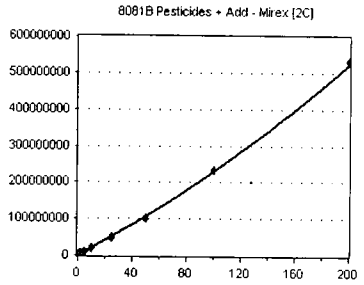
Element Calibration Review Sheet

Calibration ID: **A0C1704** Instrument: **DUALECD8** Calibration Date: **03/17/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_20031**

Mirex [2C]

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

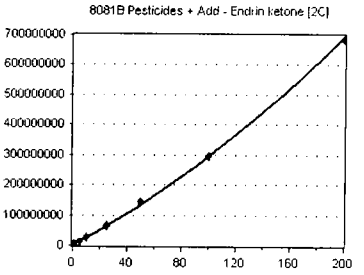


Standard	Concentration	Response	Response Factor	RT
0C16047-CALA	0.5	1673200	3346400.000	9.73
0C16047-CALB	1	2726267	2726267.000	9.73
0C16047-CALC	2	4979688	2489844.000	9.73
0C16047-CALD	5	1.081856E+07	2163712.000	9.73
0C16047-CALE	10	2.07069E+07	2070690.000	9.73
0C16047-CALF	25	5.025412E+07	2010165.000	9.73
0C16047-CALG	50	9.940882E+07	1988176.000	9.73
0C16047-CALH	100	2.321806E+08	2321806.000	9.73
0C16047-CALI	200	5.309097E+08	2654549.000	9.73

AVE RF **2419068.000** RF RSD **18.28** AVE RT **9.73**

Endrin ketone [2C]

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

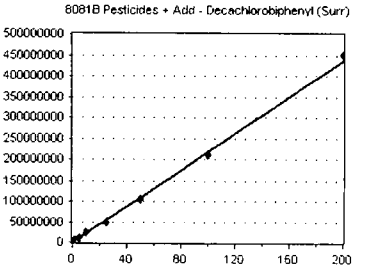


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1788617	3577234.000	9.74
0C16047-CAL2	1	2925715	2925715.000	9.74
0C16047-CAL3	2	5272032	2636016.000	9.74
0C16047-CAL4	5	1.225377E+07	2450754.000	9.74
0C16047-CAL5	10	2.514454E+07	2514454.000	9.74
0C16047-CAL6	25	6.483242E+07	2593297.000	9.74
0C16047-CAL7	50	1.431197E+08	2862394.000	9.74
0C16047-CAL8	100	2.951114E+08	2951114.000	9.74
0C16047-CAL9	200	6.859533E+08	3429767.000	9.74

AVE RF **2882305.000** RF RSD **13.74** AVE RT **9.74**

Decachlorobiphenyl (Surr)

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

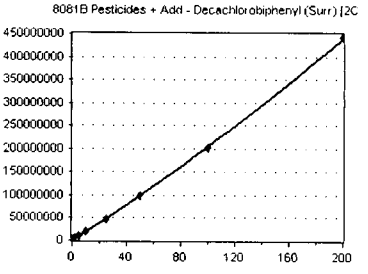


Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1745712	3491424.000	9.81
0C16047-CAL2	1	2969499	2969499.000	9.81
0C16047-CAL3	2	5171092	2585546.000	9.81
0C16047-CAL4	5	1.164371E+07	2328742.000	9.81
0C16047-CAL5	10	2.349599E+07	2349599.000	9.81
0C16047-CAL6	25	4.992016E+07	1996806.000	9.81
0C16047-CAL7	50	1.061647E+08	2123294.000	9.81
0C16047-CAL8	100	2.101396E+08	2101396.000	9.81
0C16047-CAL9	200	4.520866E+08	2260433.000	9.81

AVE RF **2467415.000** RF RSD **19.57** AVE RT **9.81**

Decachlorobiphenyl (Surr) [2C]

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



Standard	Concentration	Response	Response Factor	RT
0C16047-CAL1	0.5	1485173	2970346.000	10.61
0C16047-CAL2	1	2614363	2614363.000	10.61
0C16047-CAL3	2	4314101	2157051.000	10.61
0C16047-CAL4	5	9872783	1974557.000	10.61
0C16047-CAL5	10	1.99699E+07	1996990.000	10.61
0C16047-CAL6	25	4.619258E+07	1847703.000	10.61
0C16047-CAL7	50	9.992946E+07	1998589.000	10.61
0C16047-CAL8	100	2.028107E+08	2028107.000	10.61
0C16047-CAL9	200	4.426391E+08	2213196.000	10.61

AVE RF **2200100.000** RF RSD **16.49** AVE RT **10.61**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C16047

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 Additionals Only (QC)
608 Pest (Chlordane)
608 Pesticides
608 Pesticides (DDT Only)
608 Pesticides (SW)
608 Pesticides (SW) Full List
608 Pesticides (TTO)
608.3 Pesticides
608.3 Additionals
608.3 Chlordane
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: 0C16047

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0C16047-ICB1	Initial Cal Blank	Water	A20B383		3/16/2020 1:02:00PM
0C16047-CAL1	Cal Standard	Water	A20C230	"	3/16/2020 1:26:00PM
0C16047-CAL2	Cal Standard	Water	A20C178	"	3/16/2020 1:43:00PM
0C16047-CAL3	Cal Standard	Water	A20C179	"	3/16/2020 1:59:00PM
0C16047-CAL4	Cal Standard	Water	A20C180	"	3/16/2020 2:16:00PM
0C16047-CAL5	Cal Standard	Water	A20C181	"	3/16/2020 2:32:00PM
0C16047-CAL6	Cal Standard	Water	A20C182	"	3/16/2020 2:49:00PM
0C16047-CAL7	Cal Standard	Water	A20C183	"	3/16/2020 3:06:00PM
0C16047-CAL8	Cal Standard	Water	A20C184	"	3/16/2020 3:22:00PM
0C16047-CAL9	Cal Standard	Water	A20C177	"	3/16/2020 3:39:00PM
0C16047-ICV1	Initial Cal Check	Water	A20C164	"	3/16/2020 4:12:00PM
0C16047-CALA	Cal Standard	Water	A20C231	"	3/16/2020 4:28:00PM
0C16047-CALB	Cal Standard	Water	A19K263	"	3/16/2020 4:45:00PM
0C16047-CALC	Cal Standard	Water	A19K264	"	3/16/2020 5:01:00PM
0C16047-CALD	Cal Standard	Water	A19K265	"	3/16/2020 5:18:00PM
0C16047-CALE	Cal Standard	Water	A19K266	"	3/16/2020 5:34:00PM
0C16047-CALF	Cal Standard	Water	A19J407	"	3/16/2020 5:51:00PM
0C16047-CALG	Cal Standard	Water	A19J408	"	3/16/2020 6:07:00PM
0C16047-CALH	Cal Standard	Water	A19J409	"	3/16/2020 6:24:00PM
0C16047-CALI	Cal Standard	Water	A19K262	"	3/16/2020 6:40:00PM
0C16047-ICV2	Initial Cal Check	Water	A19J410	"	3/16/2020 7:13:00PM
0C16047-CALJ	Cal Standard	Water	A20C232	"	3/16/2020 7:30:00PM
0C16047-CALK	Cal Standard	Water	A19K307	"	3/16/2020 7:47:00PM
0C16047-CALL	Cal Standard	Water	A19K308	"	3/16/2020 8:03:00PM
0C16047-CALM	Cal Standard	Water	A19K309	"	3/16/2020 8:20:00PM
0C16047-CALN	Cal Standard	Water	A19K310	"	3/16/2020 8:36:00PM
0C16047-CALO	Cal Standard	Water	A19K311	"	3/16/2020 8:53:00PM
0C16047-CALP	Cal Standard	Water	A19K306	"	3/16/2020 9:09:00PM
0C16047-ICV3	Initial Cal Check	Water	A19K312	"	3/16/2020 9:42:00PM
0C16047-CALQ	Cal Standard	Water	A20C233	"	3/16/2020 9:59:00PM
0C16047-CALR	Cal Standard	Water	A19J417	"	3/16/2020 10:15:00PM
0C16047-CALS	Cal Standard	Water	A19J418	"	3/16/2020 10:32:00PM
0C16047-CALT	Cal Standard	Water	A19J419	"	3/16/2020 10:49:00PM
0C16047-CALU	Cal Standard	Water	A19J420	"	3/16/2020 11:05:00PM
0C16047-CALV	Cal Standard	Water	A19J421	"	3/16/2020 11:22:00PM
0C16047-CALW	Cal Standard	Water	A19J416	"	3/16/2020 11:38:00PM
0C16047-ICV4	Initial Cal Check	Water	A19J422	"	3/17/2020 12:11:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: A0C1704 Instrument: DUALECD8F

1311/8081B TCLP Pest Reg L Sequence: 0C16047 Matrix: Water

0C16047-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C16047

0C16047-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0C16047-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C16047

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

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
				———	☐	☐ ———

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

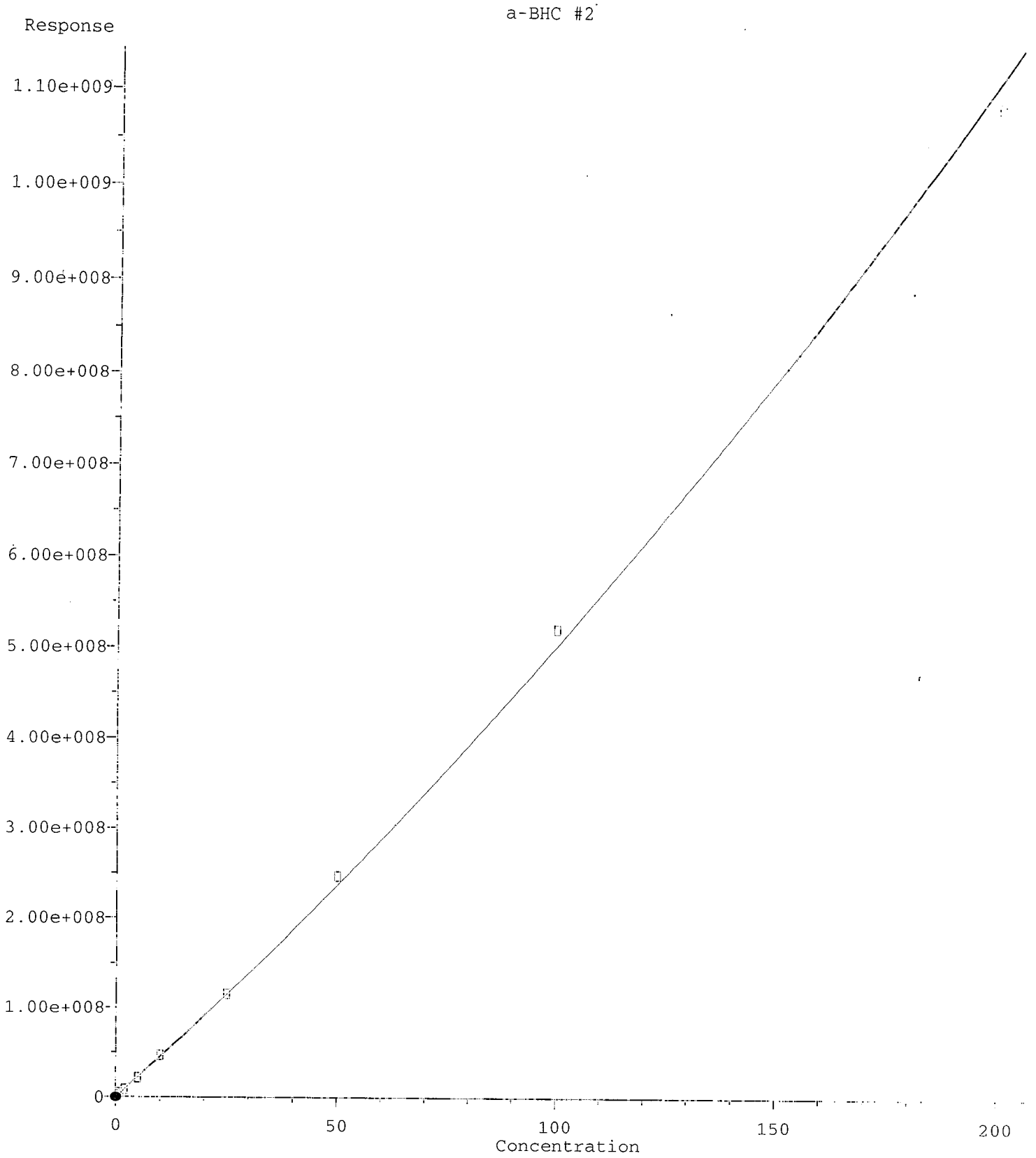
ICV RECOVERIES

Calibration: **A0C1704** Instrument: **DUALECD8F**

608 Pesticides (SW) Full List Sequence: **0C16047** Matrix: **Water**

0C16047-ICV1	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0C16047-ICV2	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0C16047-ICV3	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0C16047-ICV4	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

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

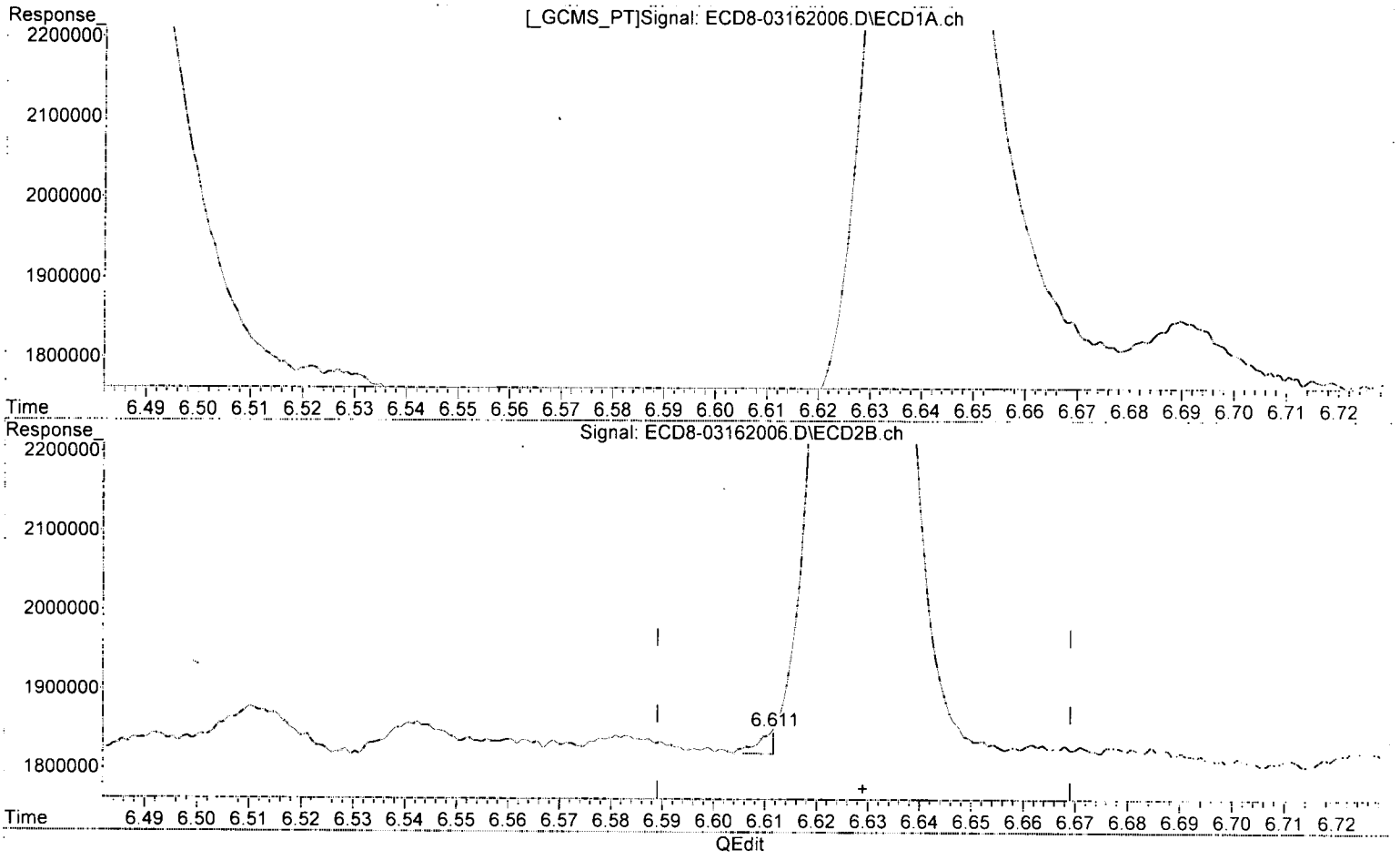


R = 5.67e+003 A*A + 4.45e+006 A - 2.08e+005
Coef of Det (r^2) = 0.998
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(2) a-BHC

6.123min 0.495 ng/mL

response 2110588

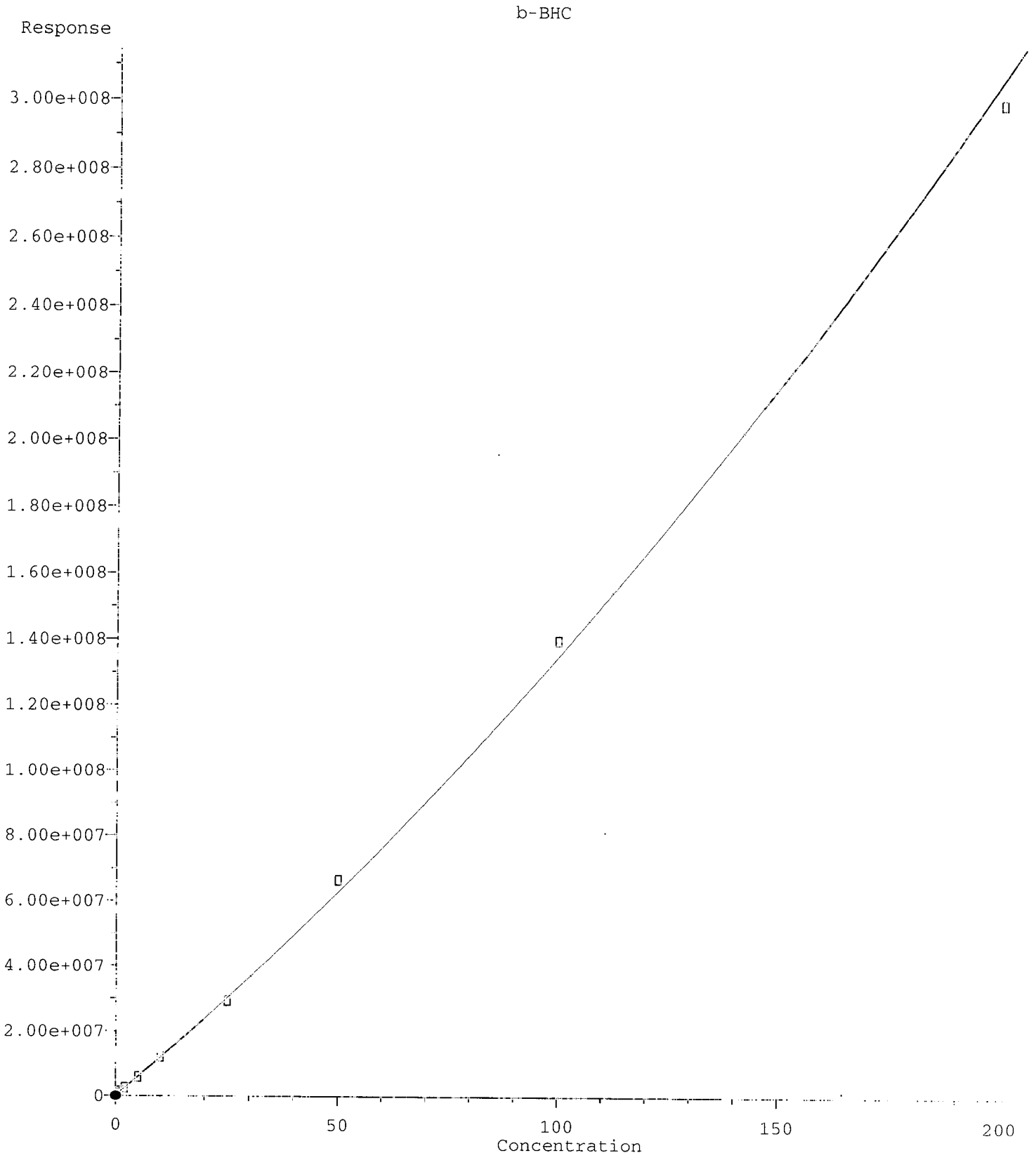
MJB 3/17/20

(2) a-BHC #2

6.611min 0.053 ng/mL (m)

response 29136

(+) = Expected Retention Time

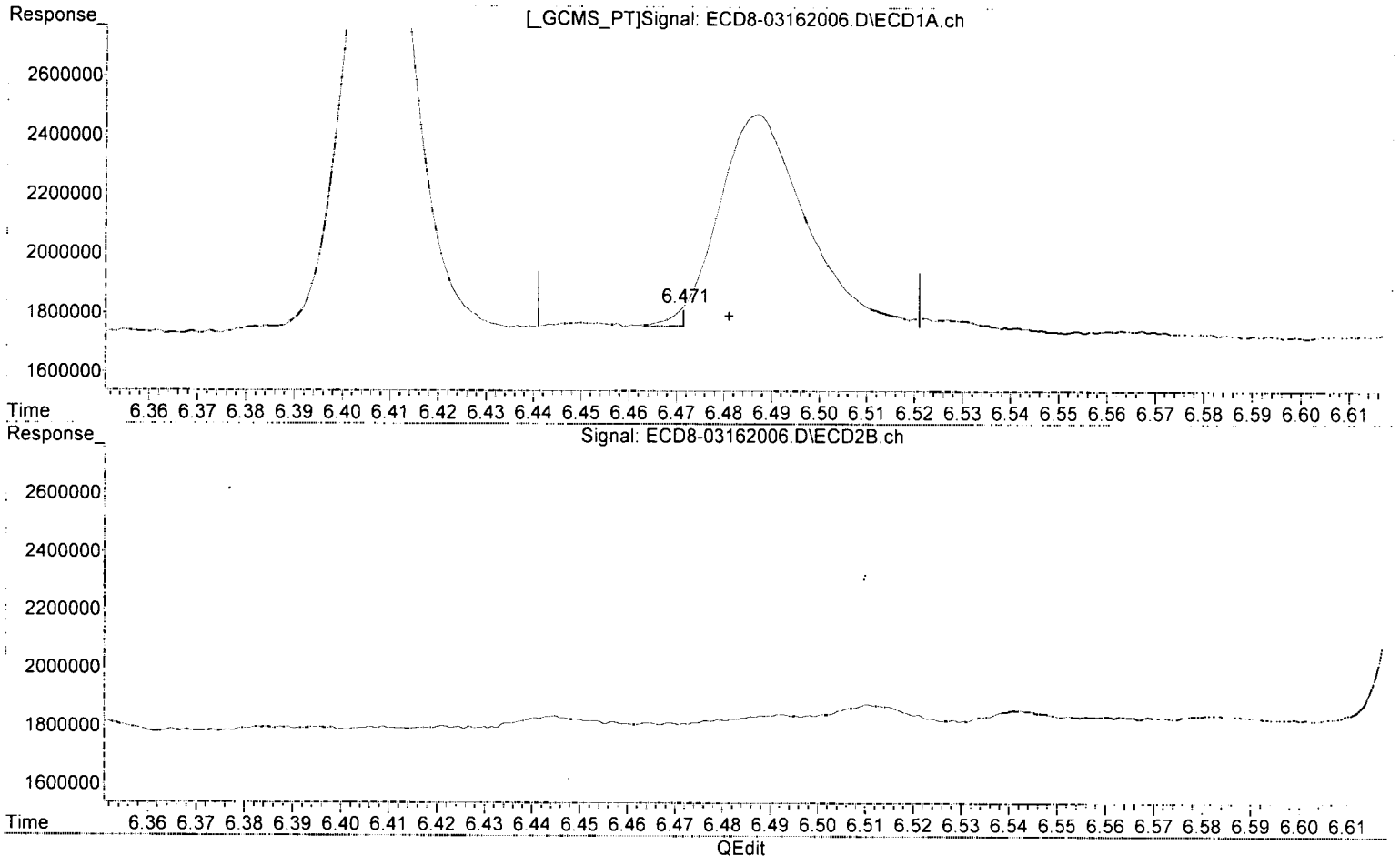


R = 1.87e+003 A*A + 1.16e+006 A + 1.85e+005
Coef of Det (r^2) 0.9999
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(4) b-BHC

6.471min -0.104 ng/mL (m)

response 63778

MJB 3/17/20

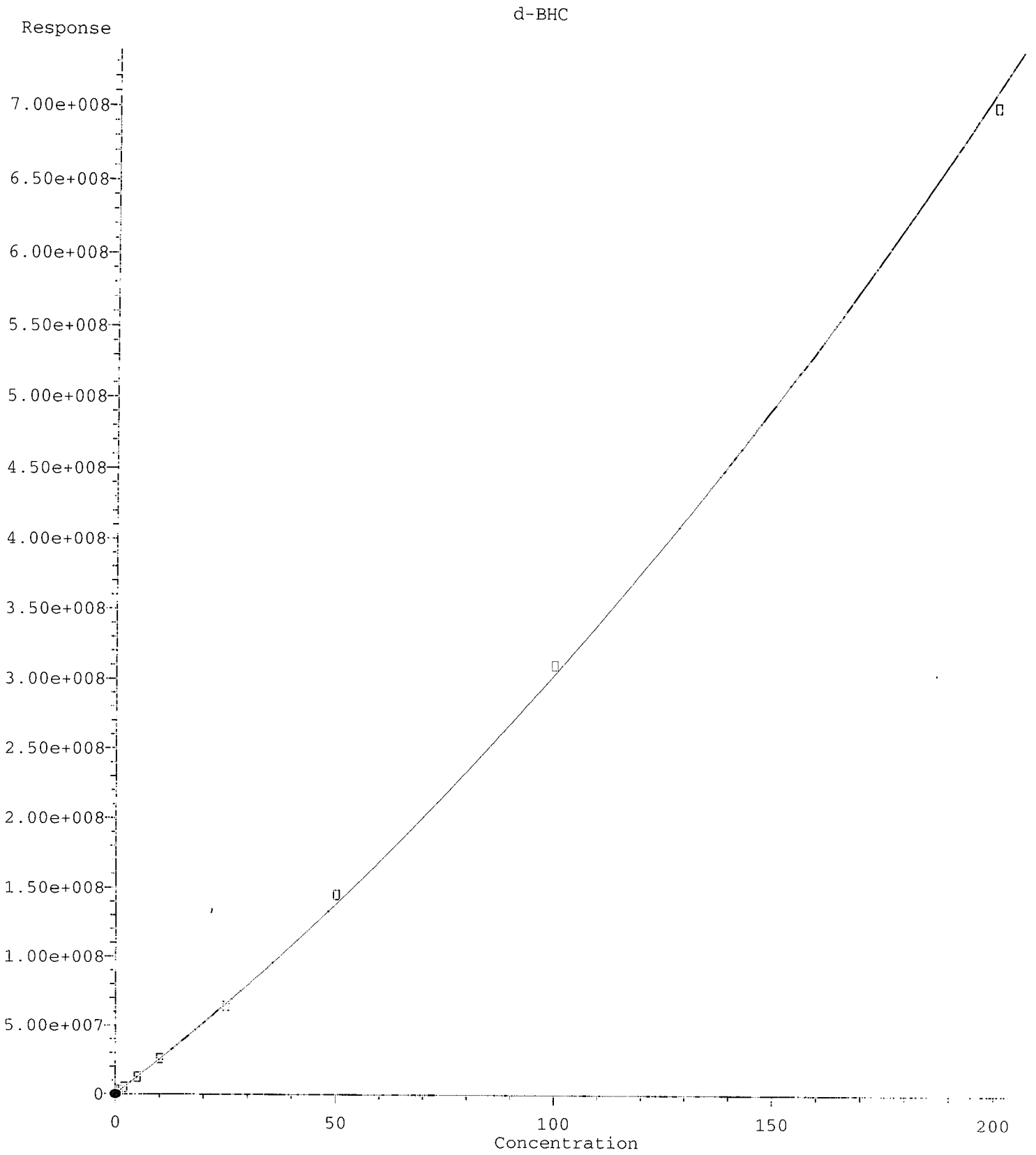
(4) b-BHC #2

7.013min 0.549 ng/mL

response 899103

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:02:49 2020 Page: 1

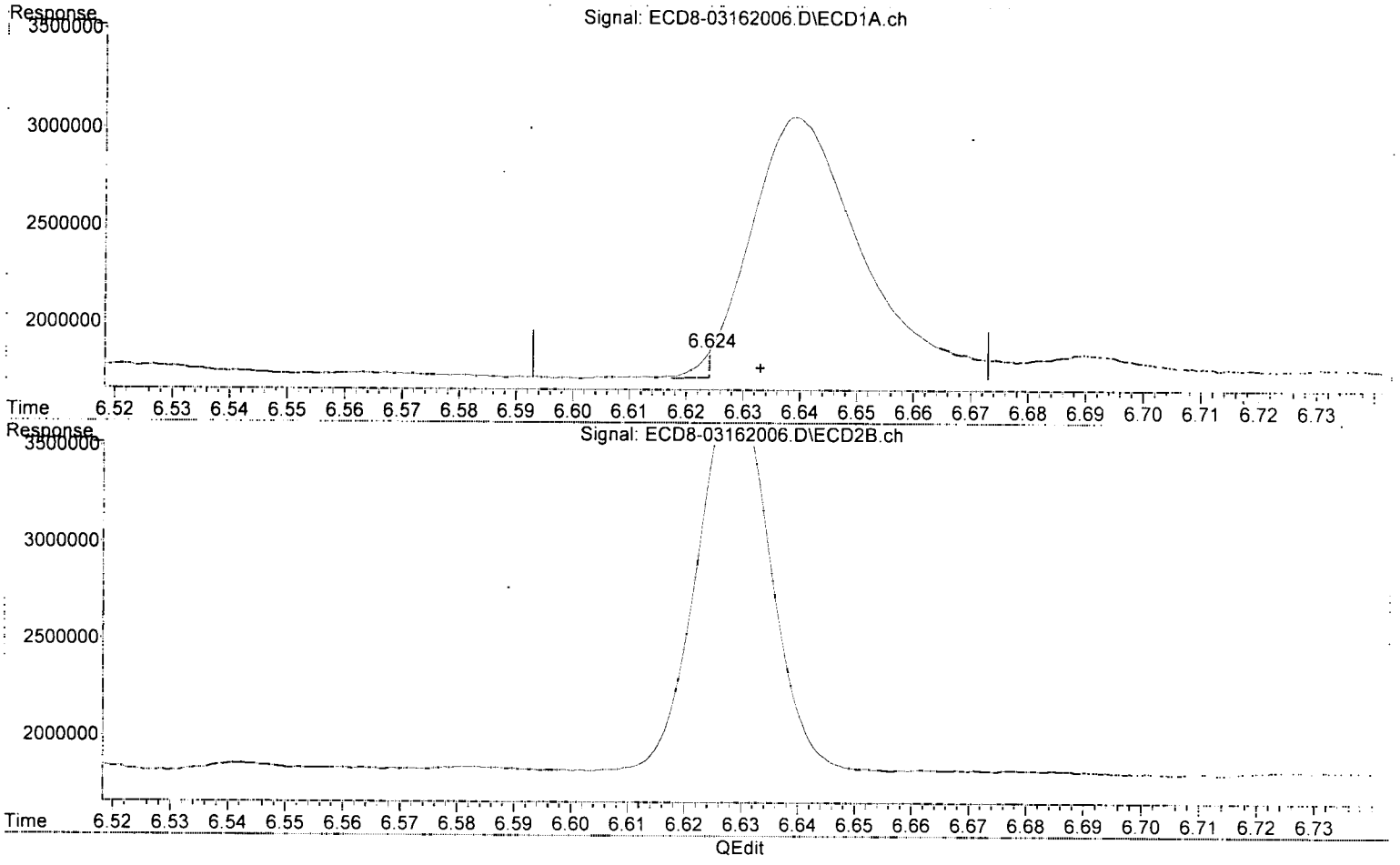


R = 5.39e+003 A*A + 2.49e+006 A + 7.30e+004
Coef of Det (r^2) 04/20/2020 Anchor QEA, LLC Tasco PreRD_DC 2019 4a.b.DQC-CAP Testing Cores Page 295 of 501
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(6) d-BHC

6.624min 0.023 ng/mL

response 130886

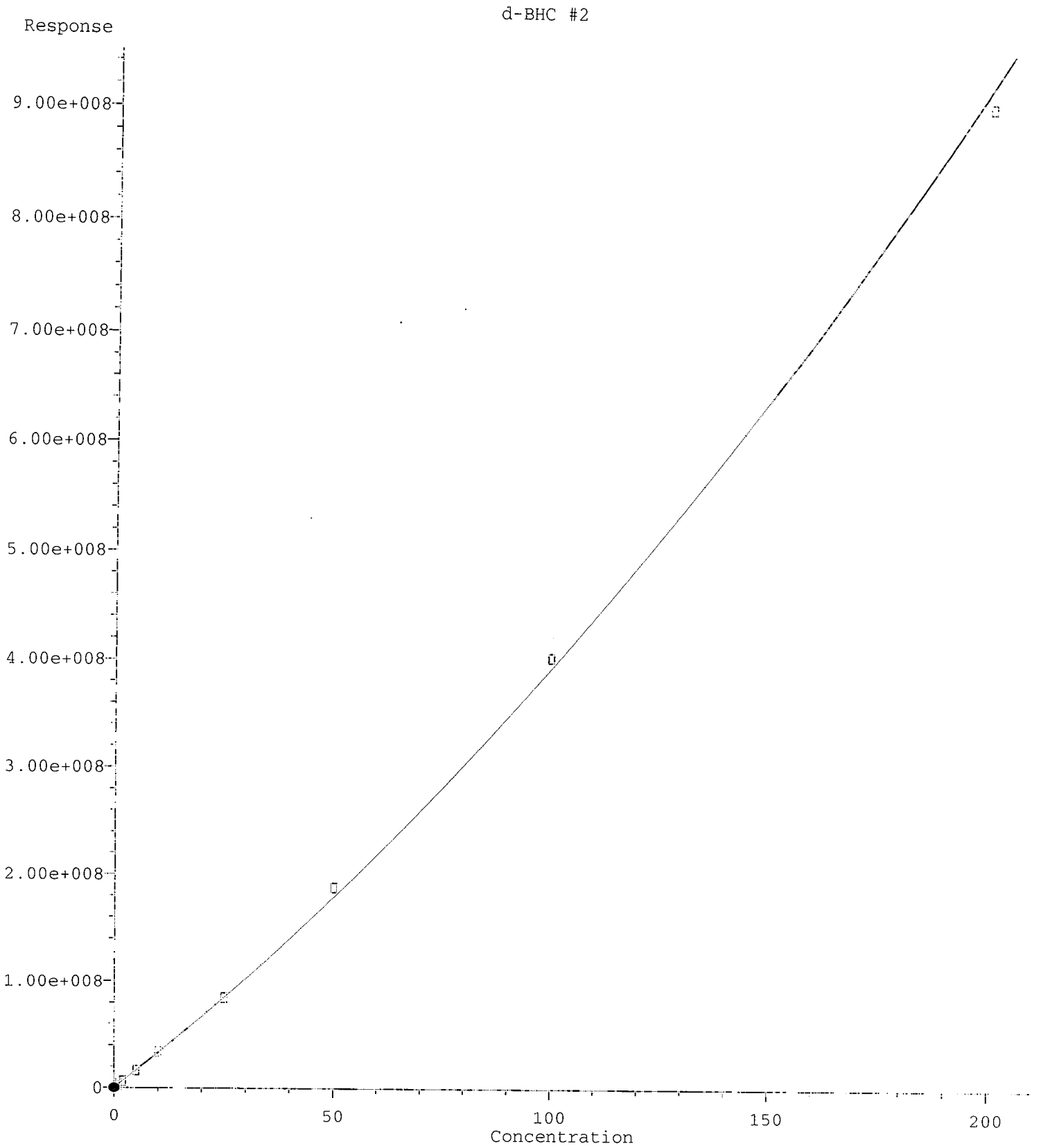
MB 3/17/20

(6) d-BHC #2

7.269min 0.515 ng/mL

response 1673193

(+) = Expected Retention Time

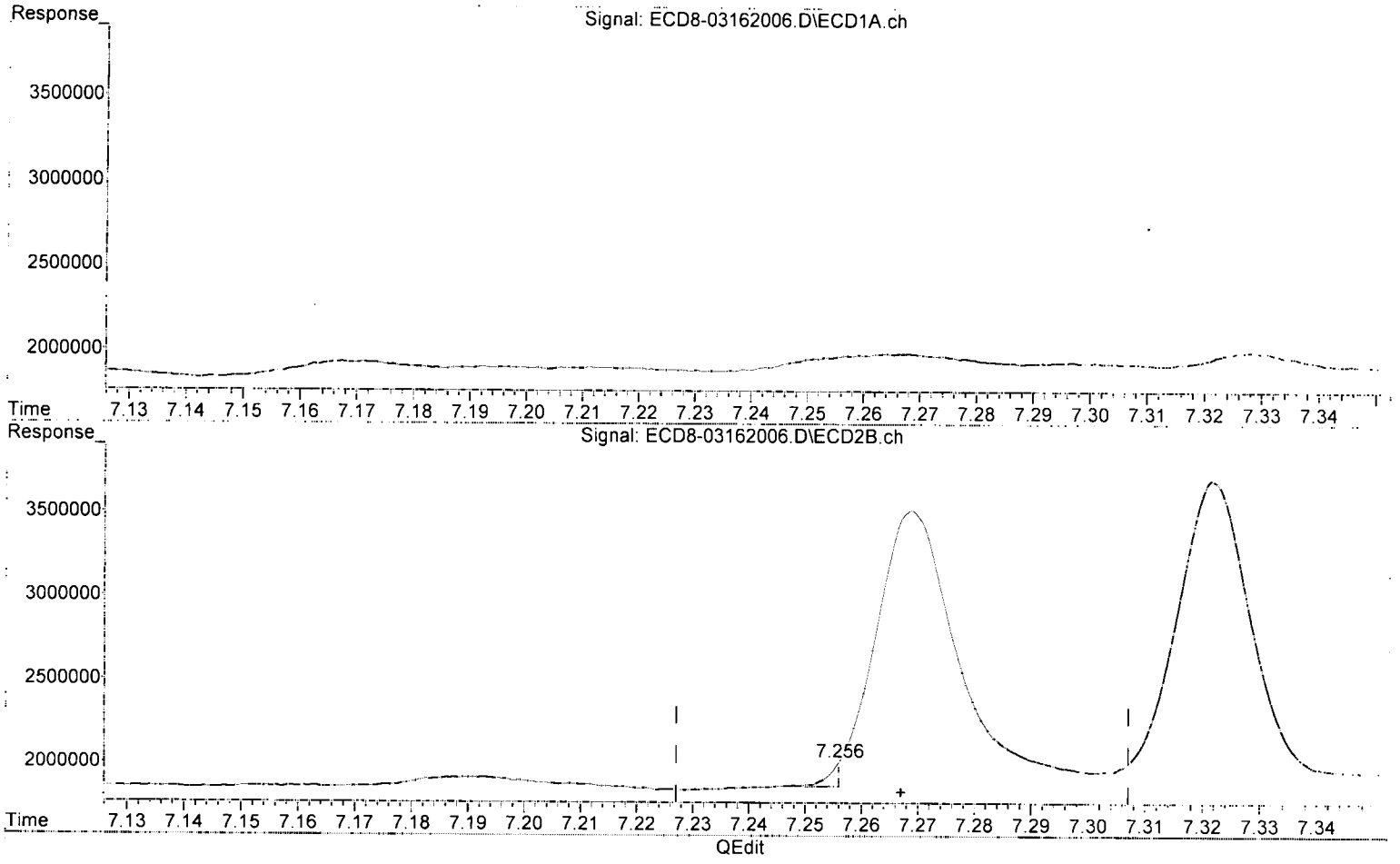


R = 6.96e+003 A*A + 3.22e+006 A + 1.18e+004
Coef of Det (r^2) = 0.999
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(6) d-BHC

6.624min 0.023 ng/mL m

response 130886

MJB 3/17/20

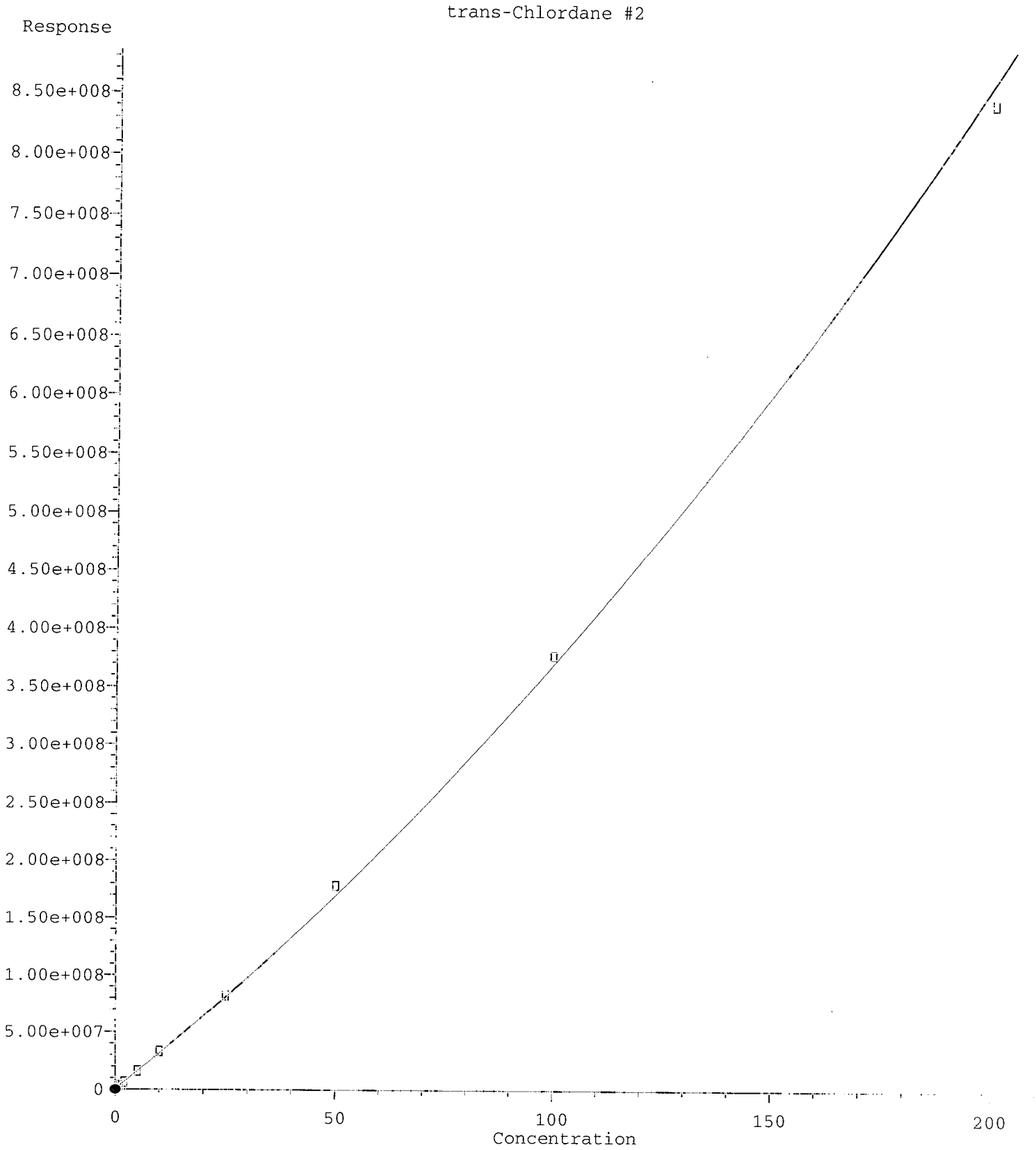
(6) d-BHC #2

7.256min 0.036 ng/mL (m)

response 128715

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:03:13 2020 Page: 1

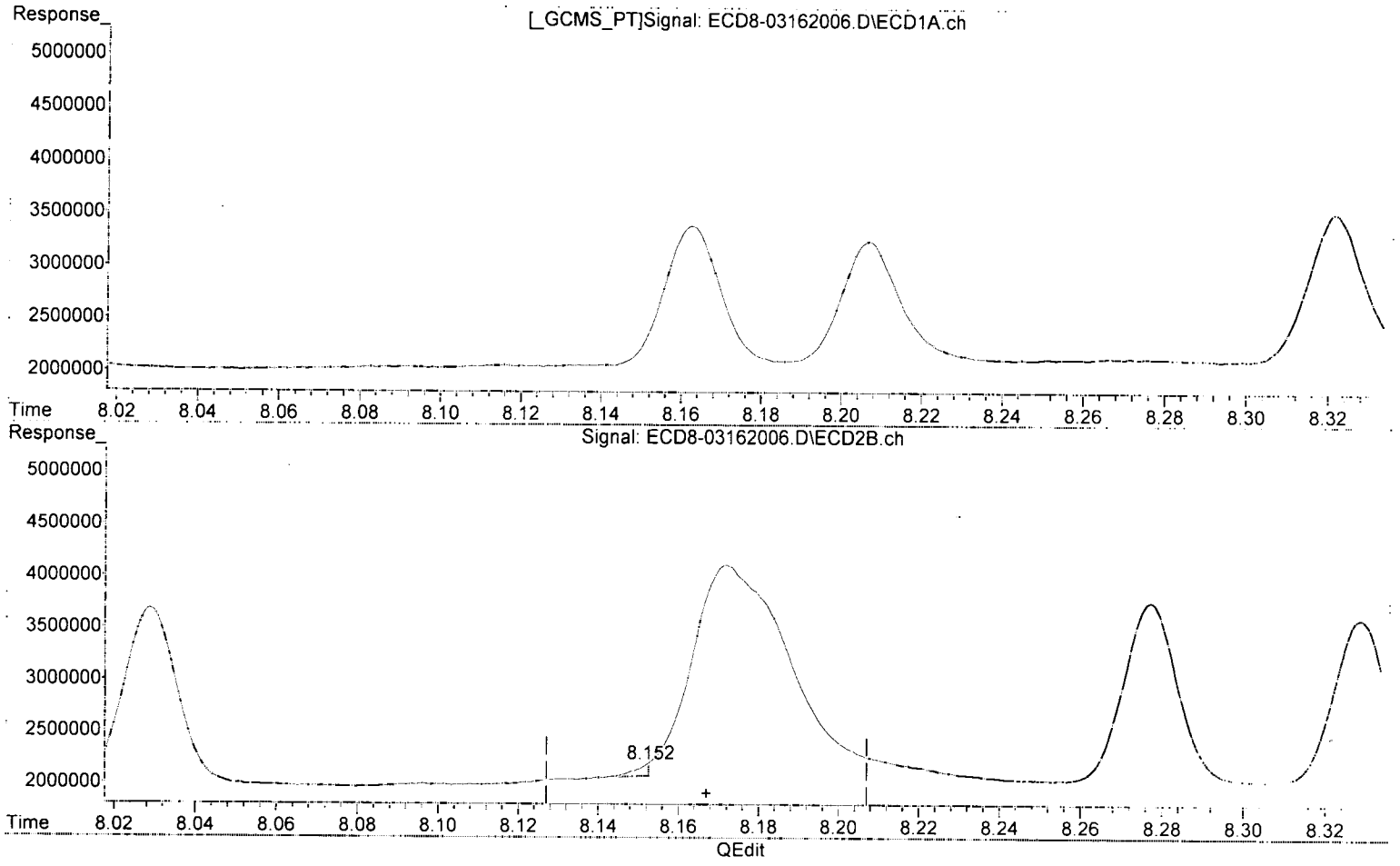


R = 6.21e+003 A*A + 3.06e+006 A + 5.11e+005
Coef of Det (r^2) 0.9987
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(9) trans-Chlordane

7.626min 0.528 ng/mL

response 1652232

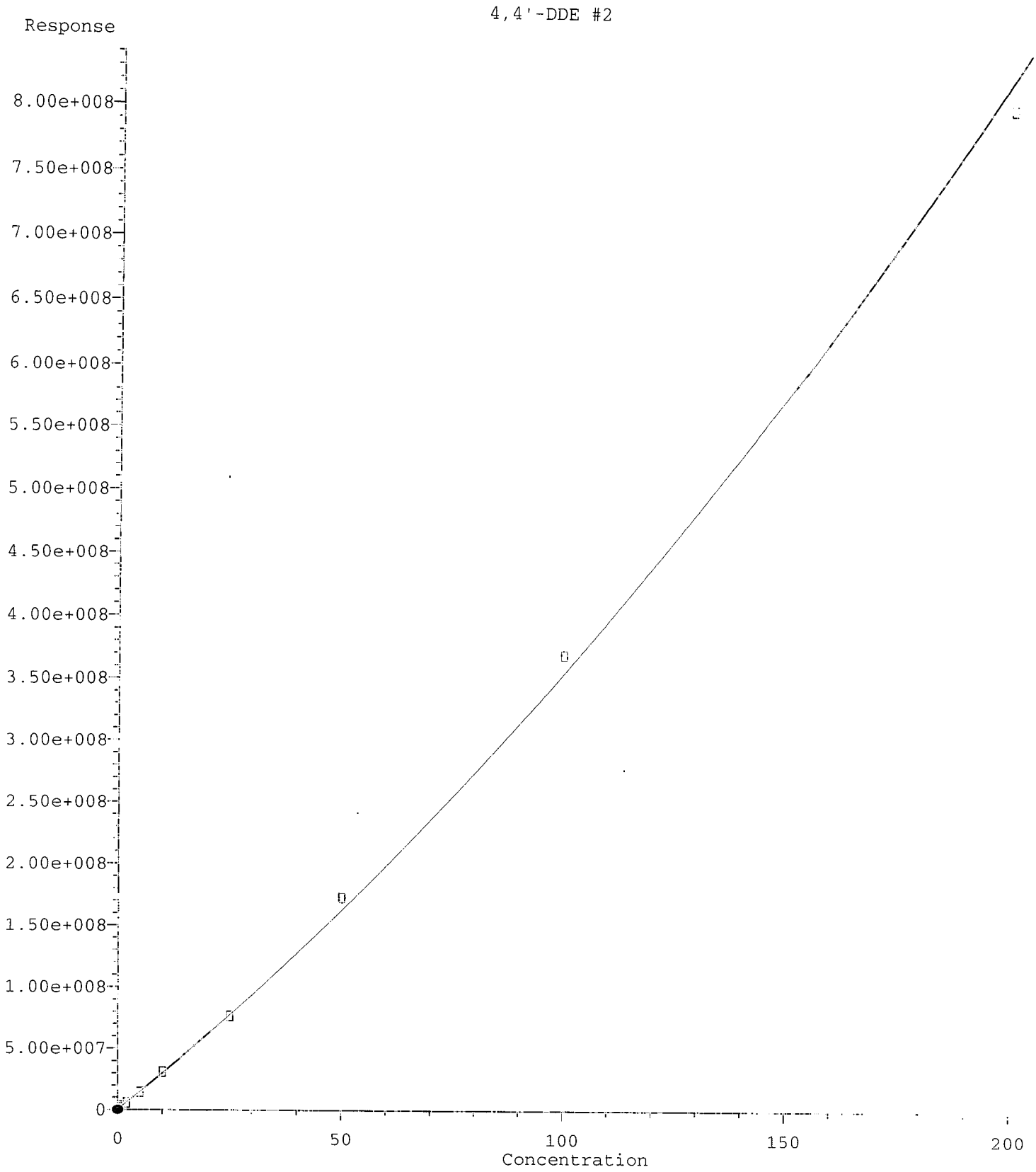
MJB 3/17/20

(9) trans-Chlordane #2

8.152min -0.128 ng/mL (m)

response 119471

(+) = Expected Retention Time

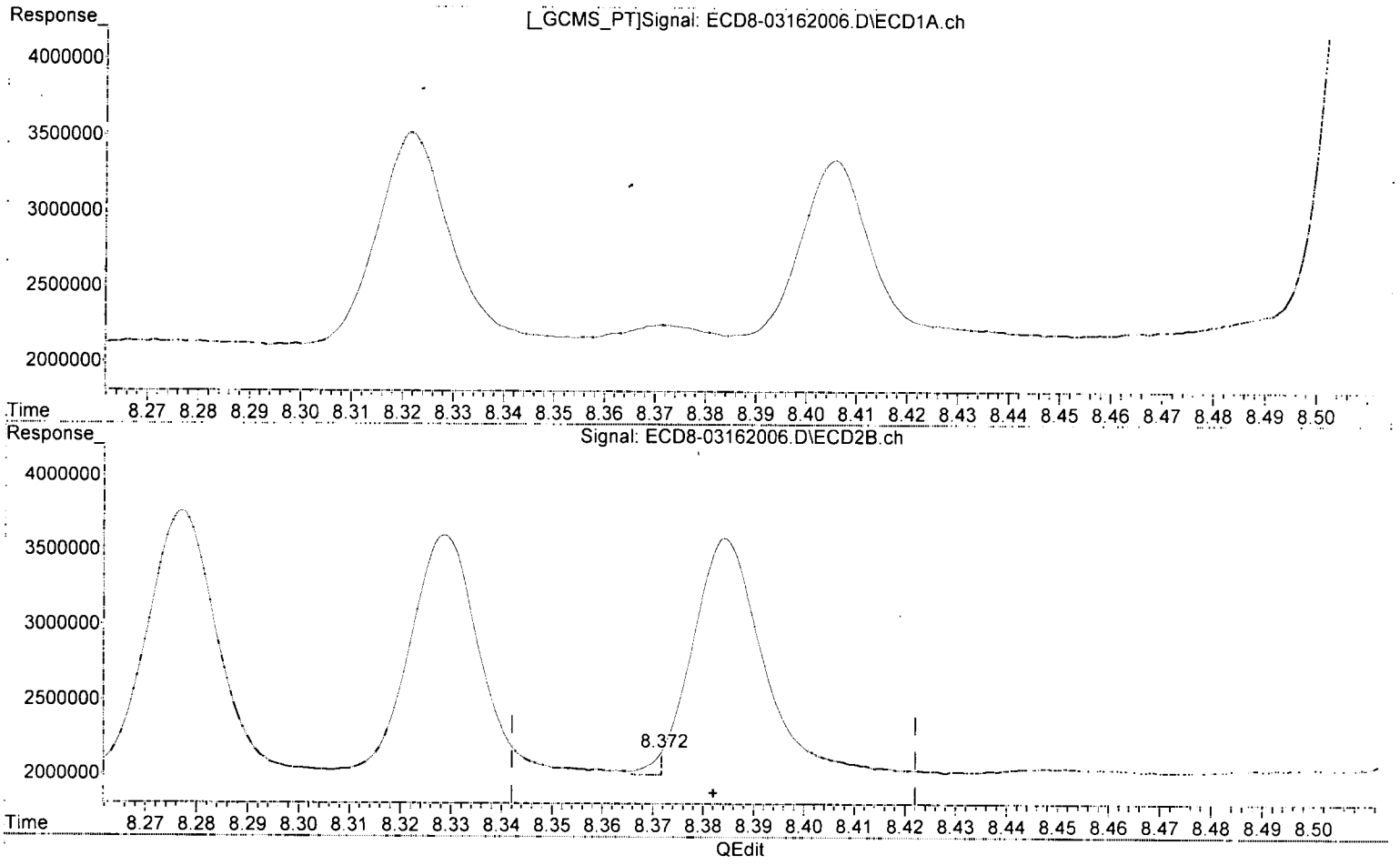


R = 5.85e+003 A*A + 2.96e+006 A + 7.08e+004
Coef of Det (r^2) = 0.998
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(12) 4,4'-DDE

7.781min 0.552 ng/mL

response 1482462

MJB 3/17/20

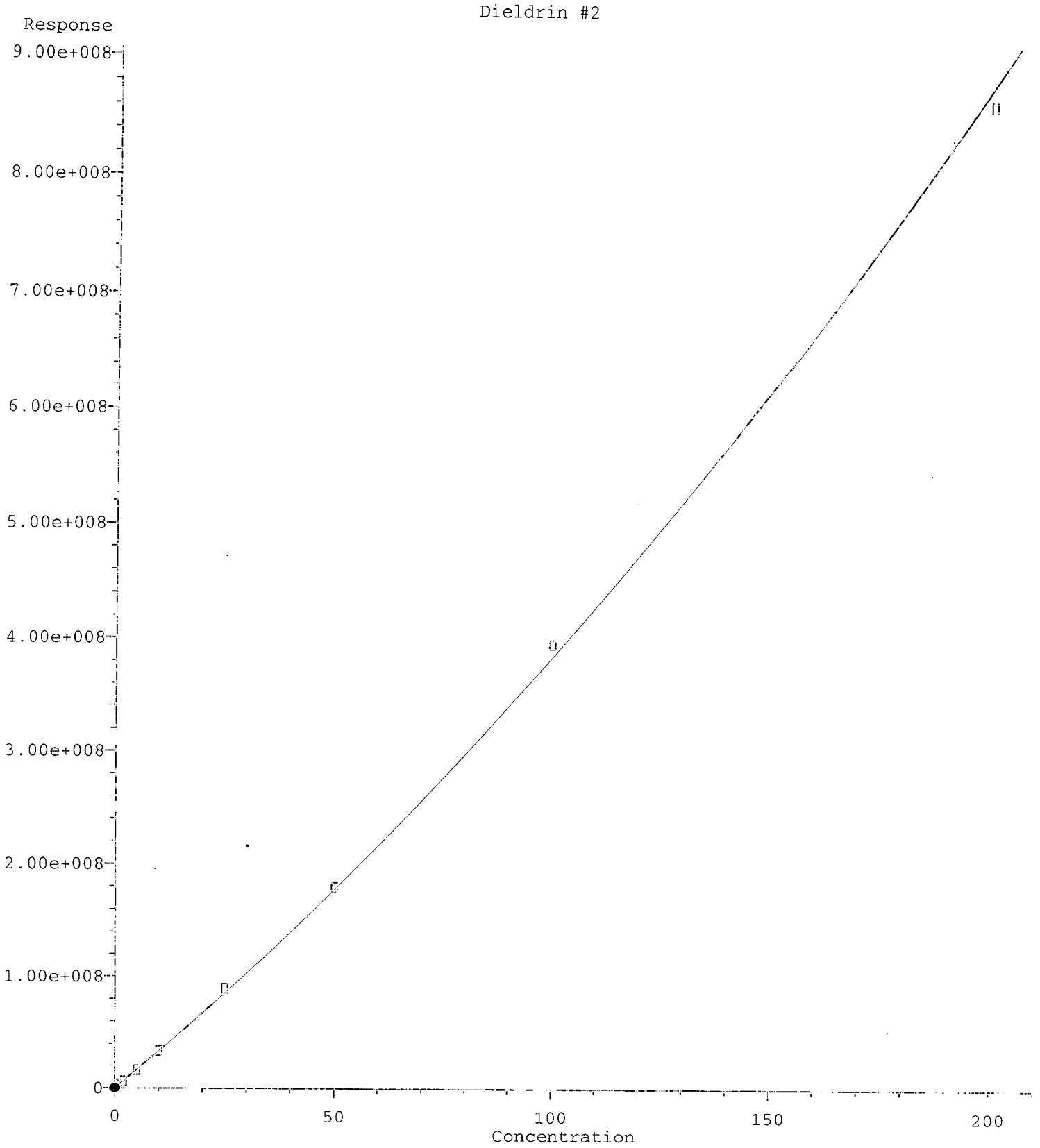
(12) 4,4'-DDE #2

8.372min 0.028 ng/mL m

response 154614

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:03:34 2020

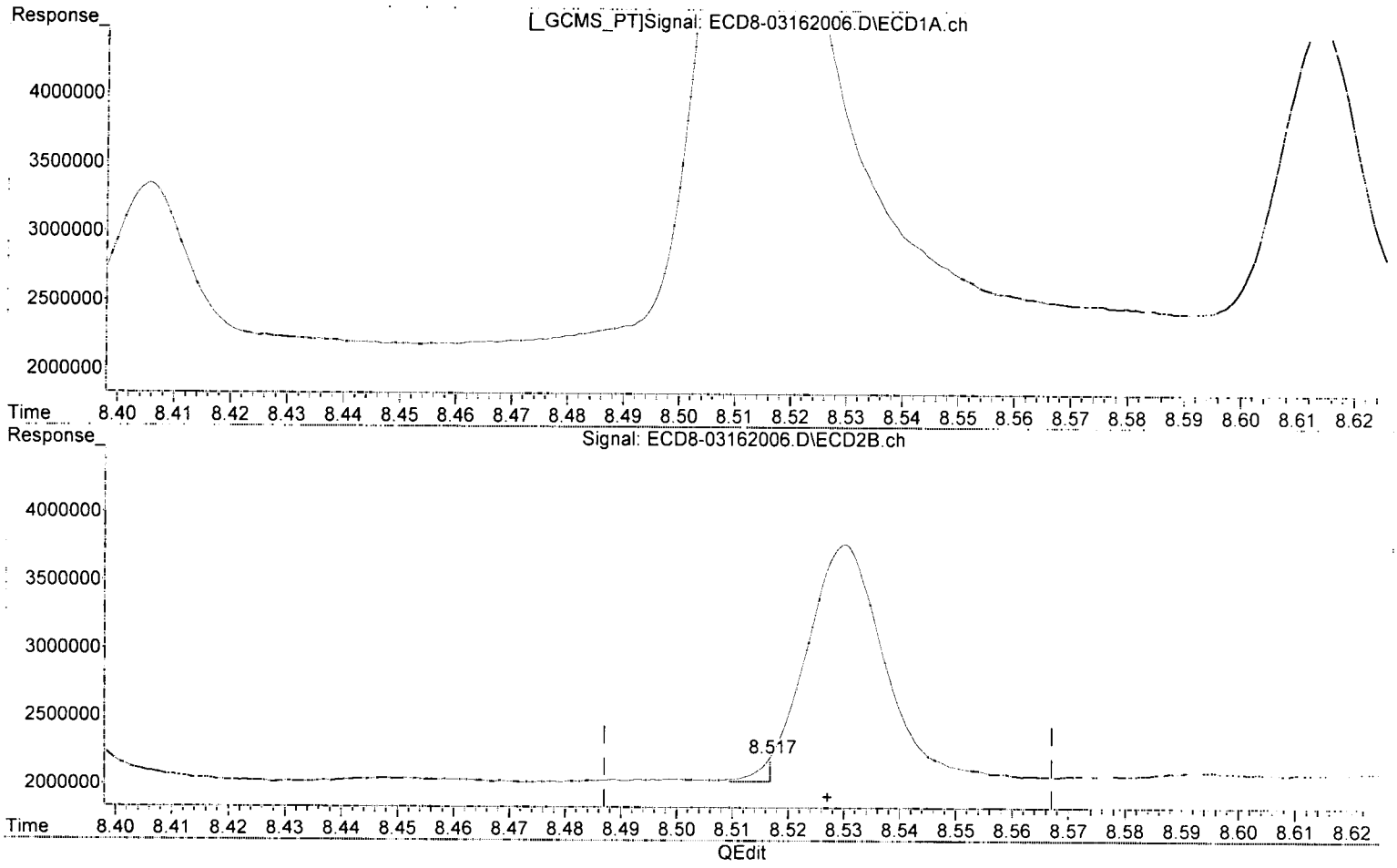


R = 5.68e+003 A*A + 3.26e+006 A + 8.08e+004
Coef of Det (r^2) 0.9999
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(13) Dieldrin

7.995min 0.514 ng/mL

response 1684478

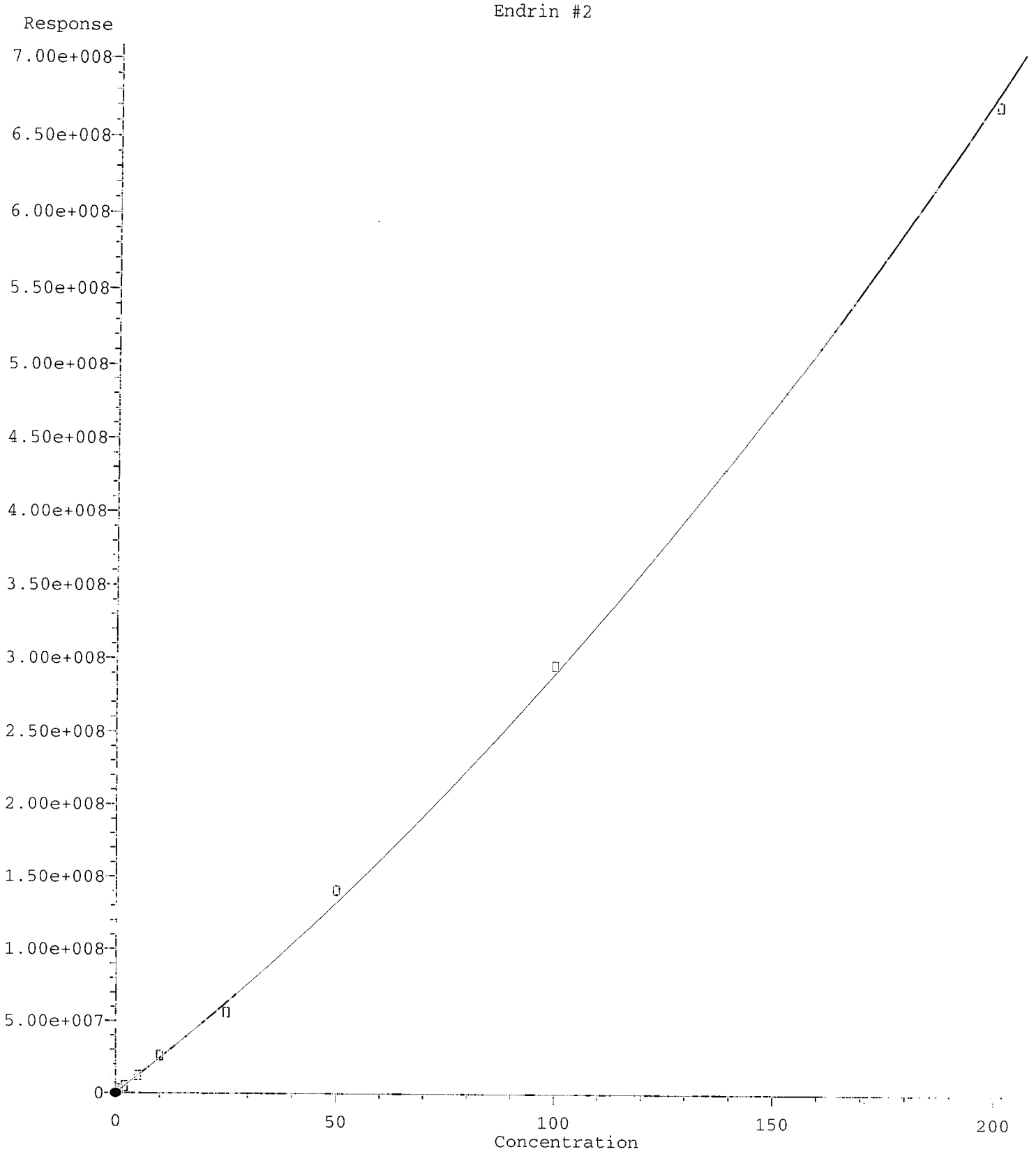
MJB 3/17/20

(13) Dieldrin #2

8.517min 0.030 ng/mL (m)

response 177166

(+) = Expected Retention Time

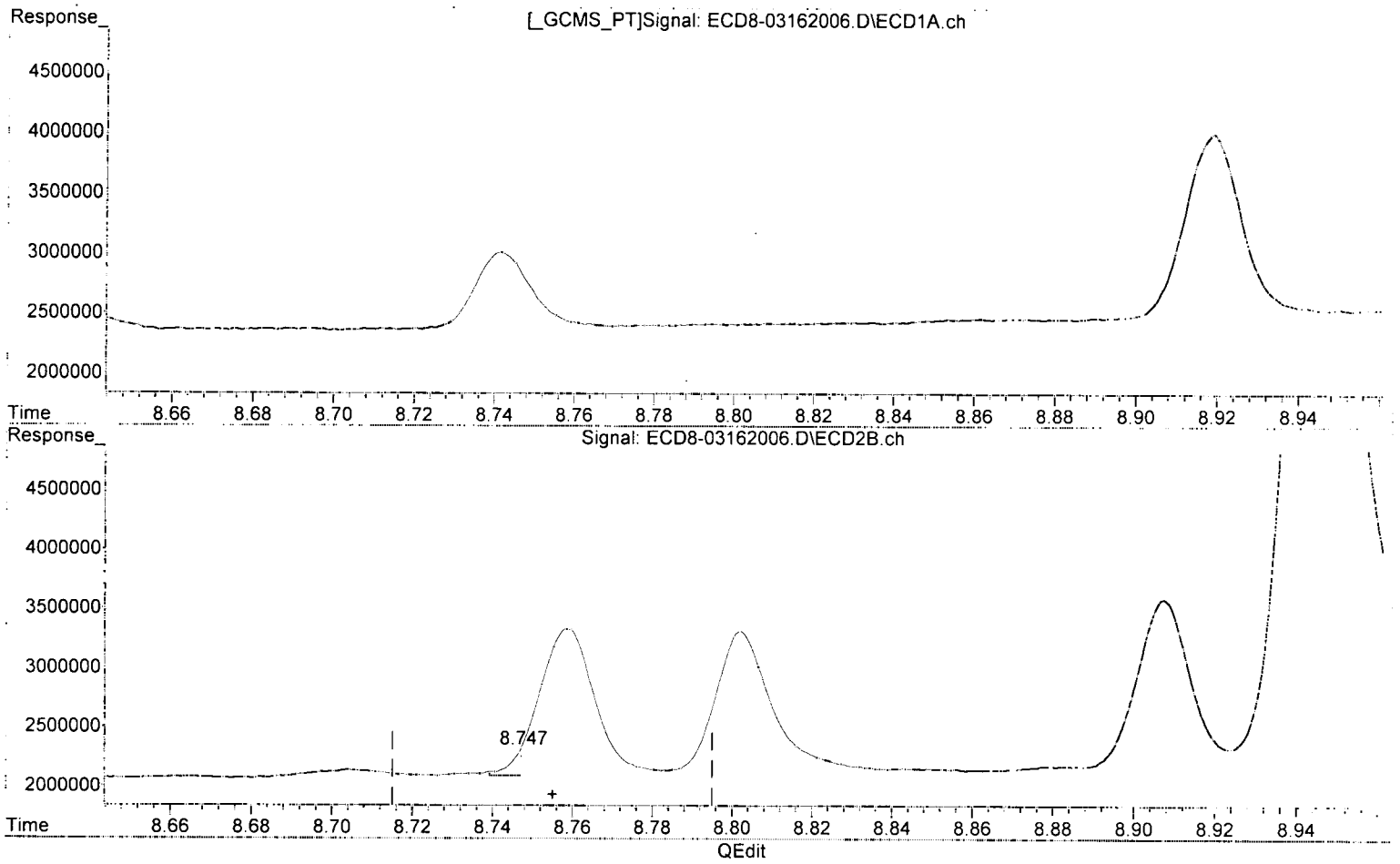


R = 5.14e+003 A*A + 2.39e+006 A + 3.42e+004
Coef of Det (r^2) 0.9977
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(14) Endrin

8.163min 0.511 ng/mL

response 1328998

MJB 3/17/20

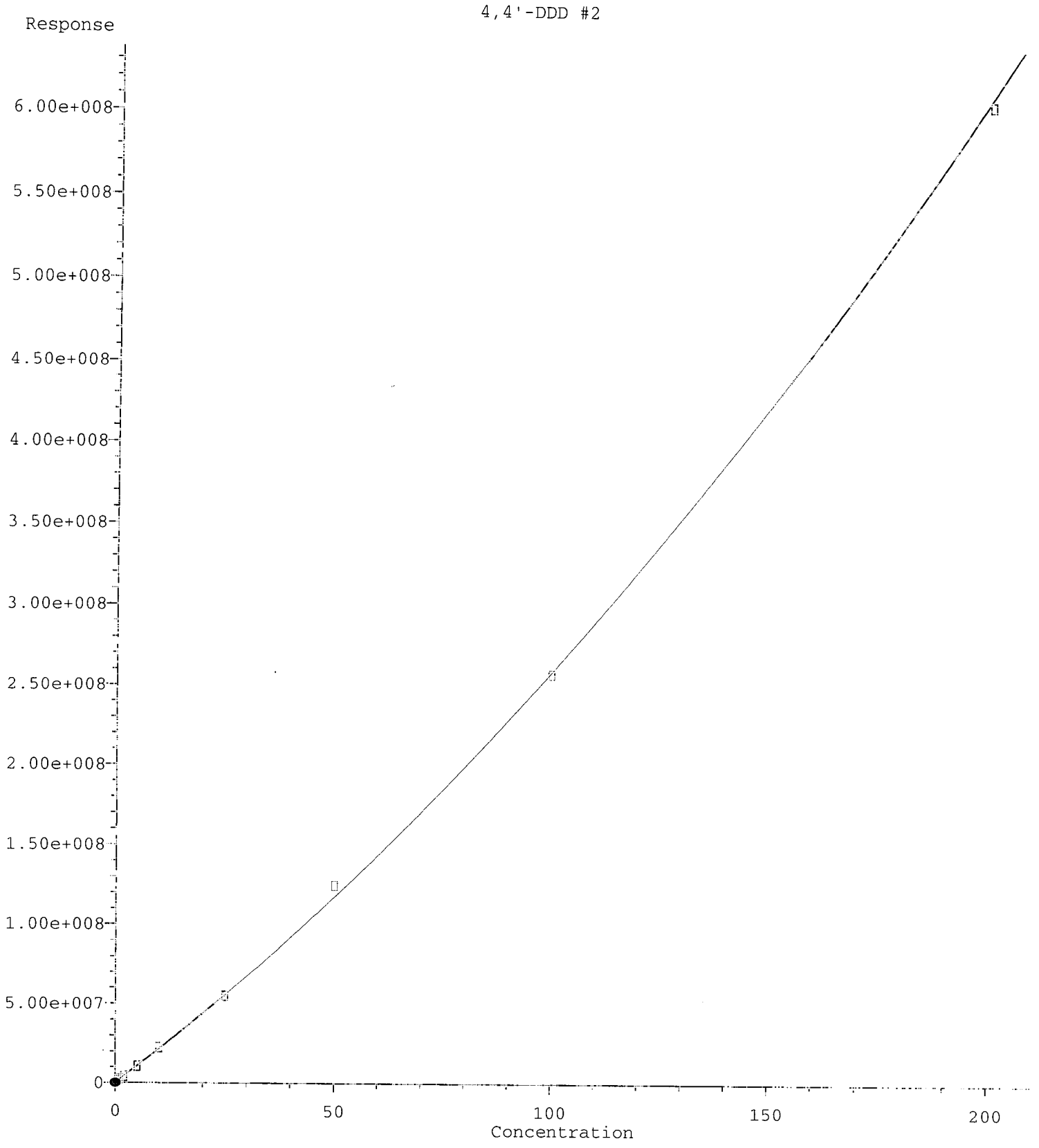
(14) Endrin #2

8.747min 0.080 ng/mL (m)

response 226382

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:03:51 2020 Page: 1

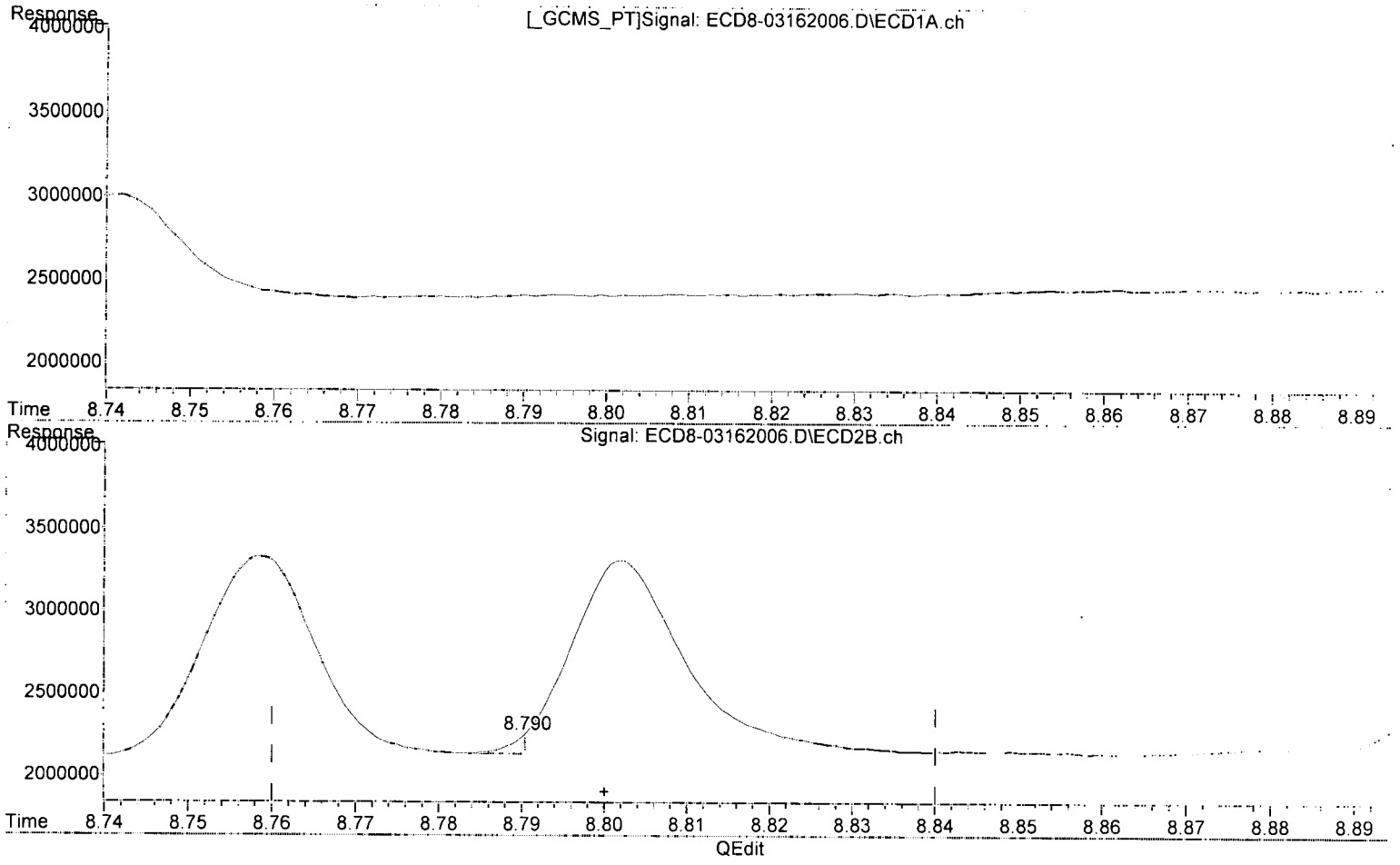


R = 4.78e+003 A*A + 2.10e+006 A + 1.33e+005
Coef of Det (r^2) = 0.9999
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(15) 4,4'-DDD

8.207min 0.564 ng/mL

response 1170291

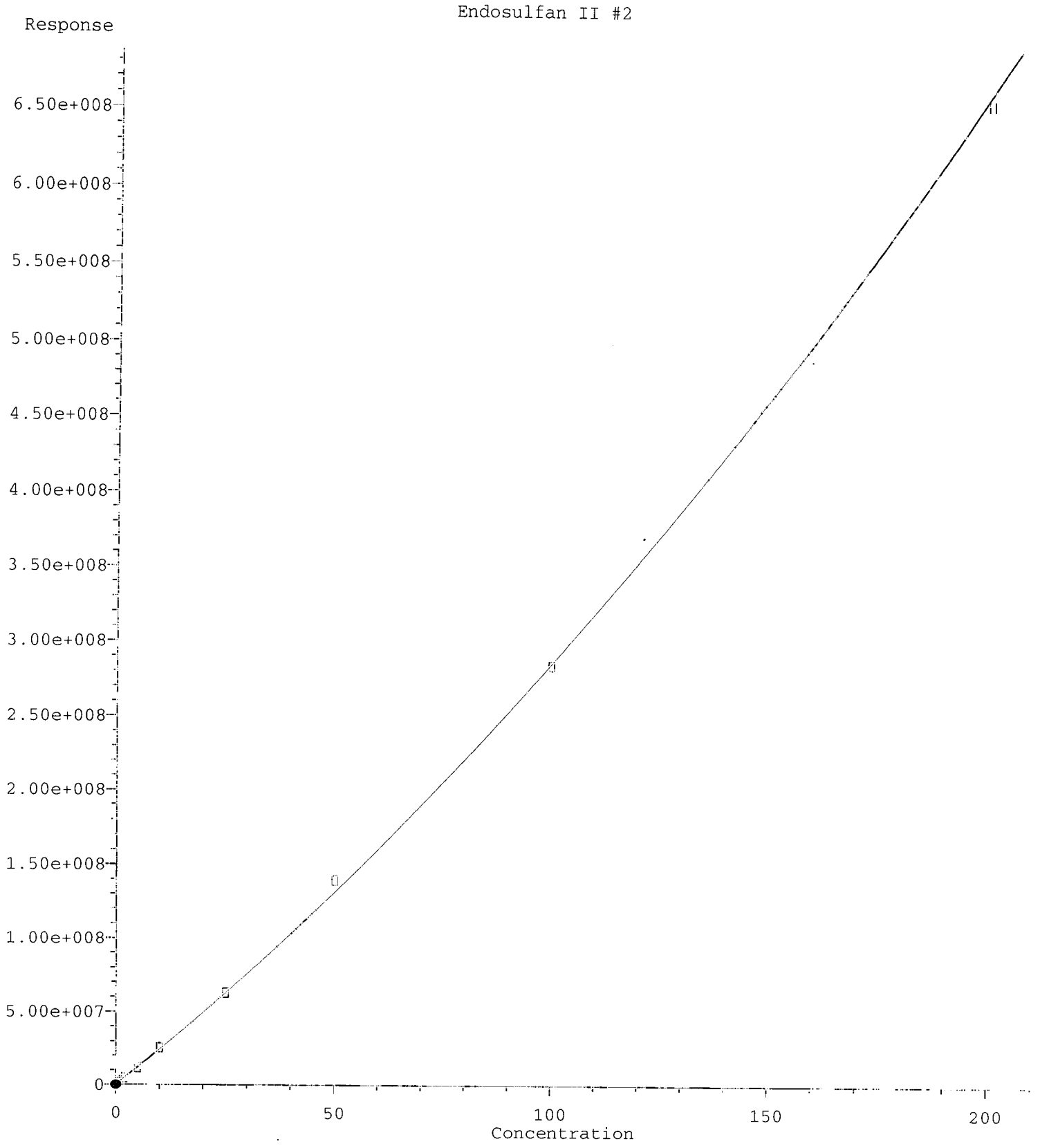
MJB 3/17/20

(15) 4,4'-DDD #2

8.790min -0.006 ng/mL (m)

response 119724

(+) = Expected Retention Time

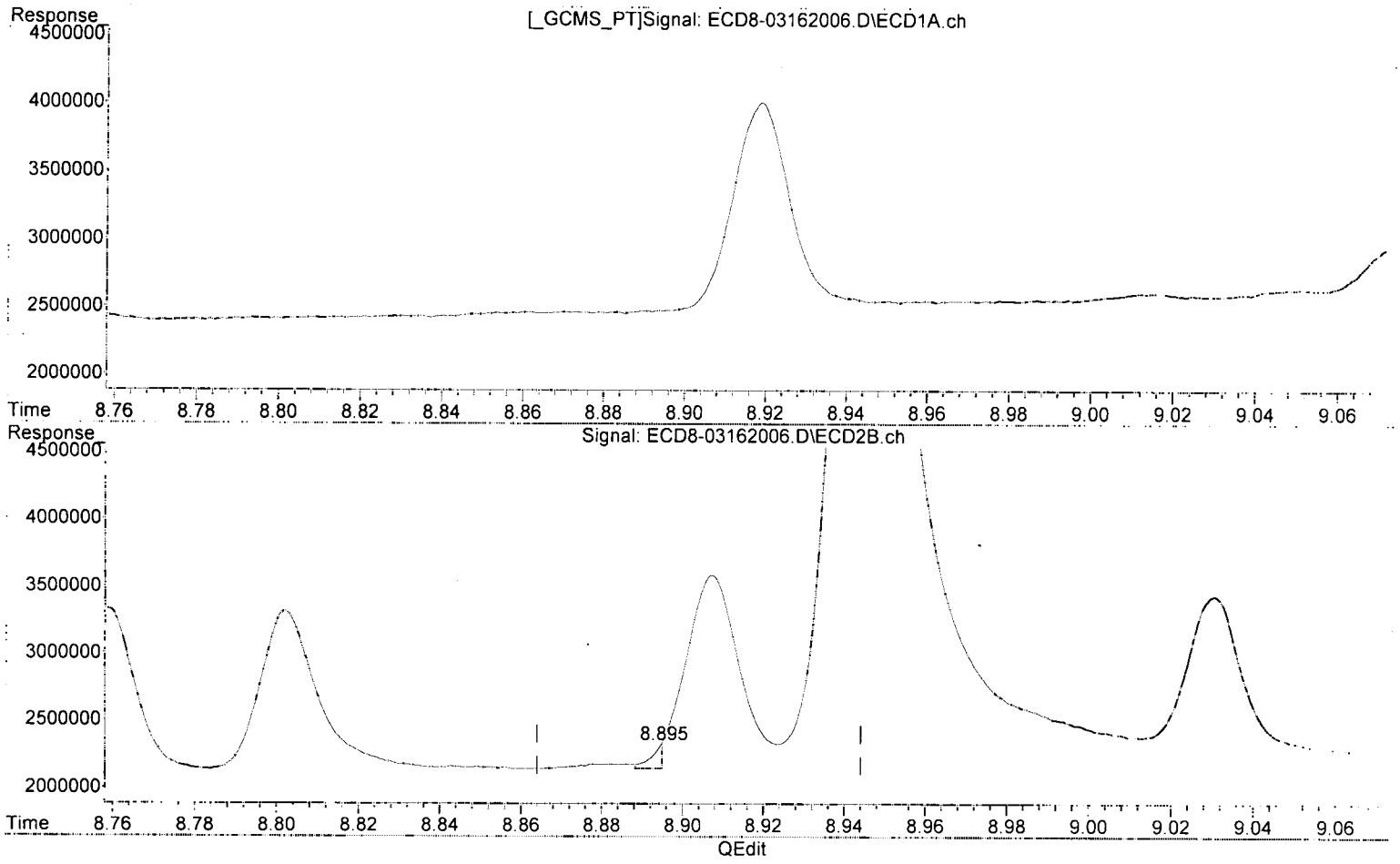


R = 4.61e+003 A*A + 2.39e+006 A + 2.20e+005
Coef of Det (r^2) 04/20/2020 Anchor QEA, LLC - Casco Bay PreRD DG 2019_4a-b_DQC-CAP Testing Cores Page 309 of 501
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(16) Endosulfan II

8.322min 0.561 ng/mL

response 1397077

MJB 3/17/20

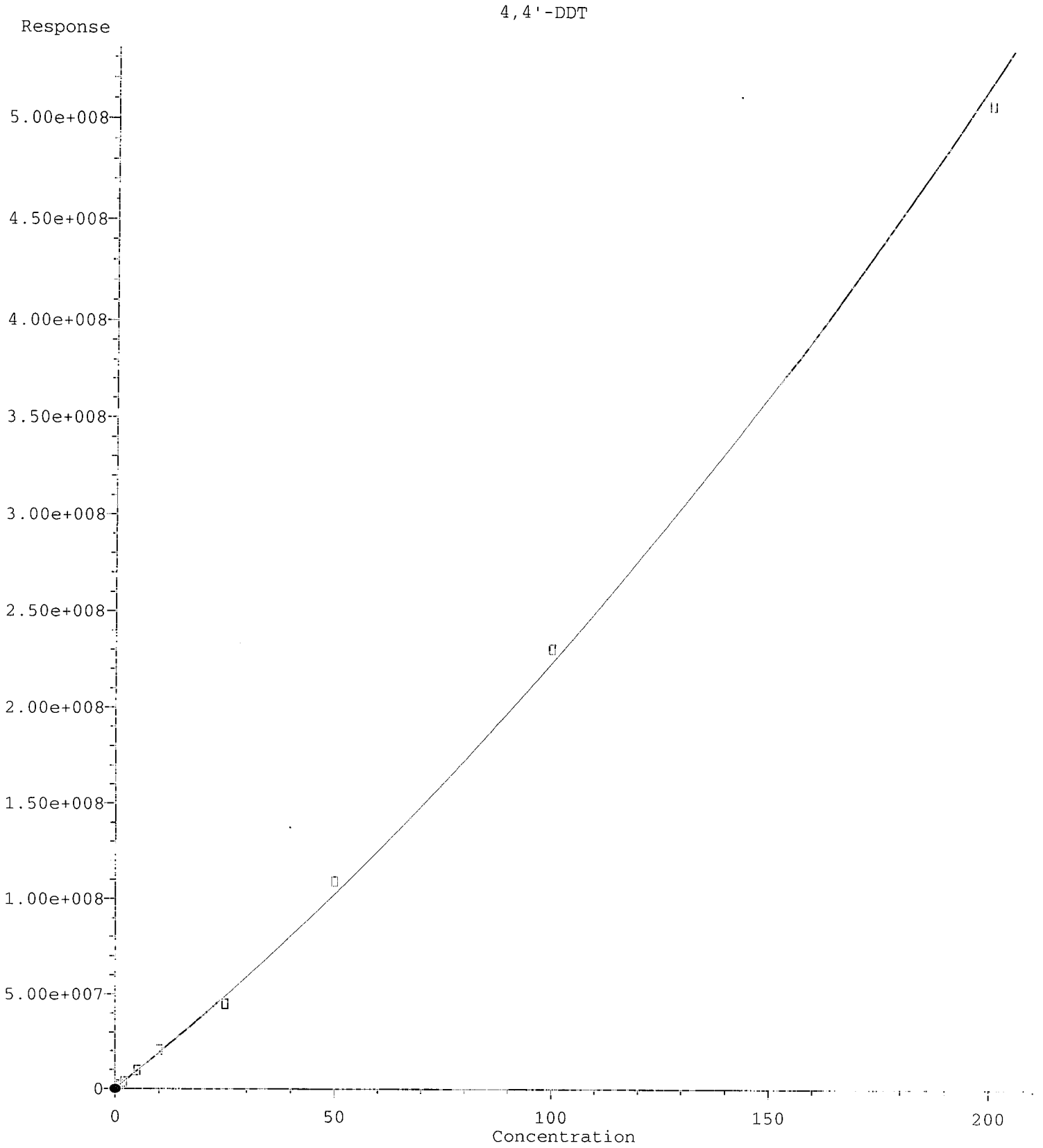
(16) Endosulfan II #2

8.895min -0.018 ng/mL (m)

response 177478

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:04:12 2020

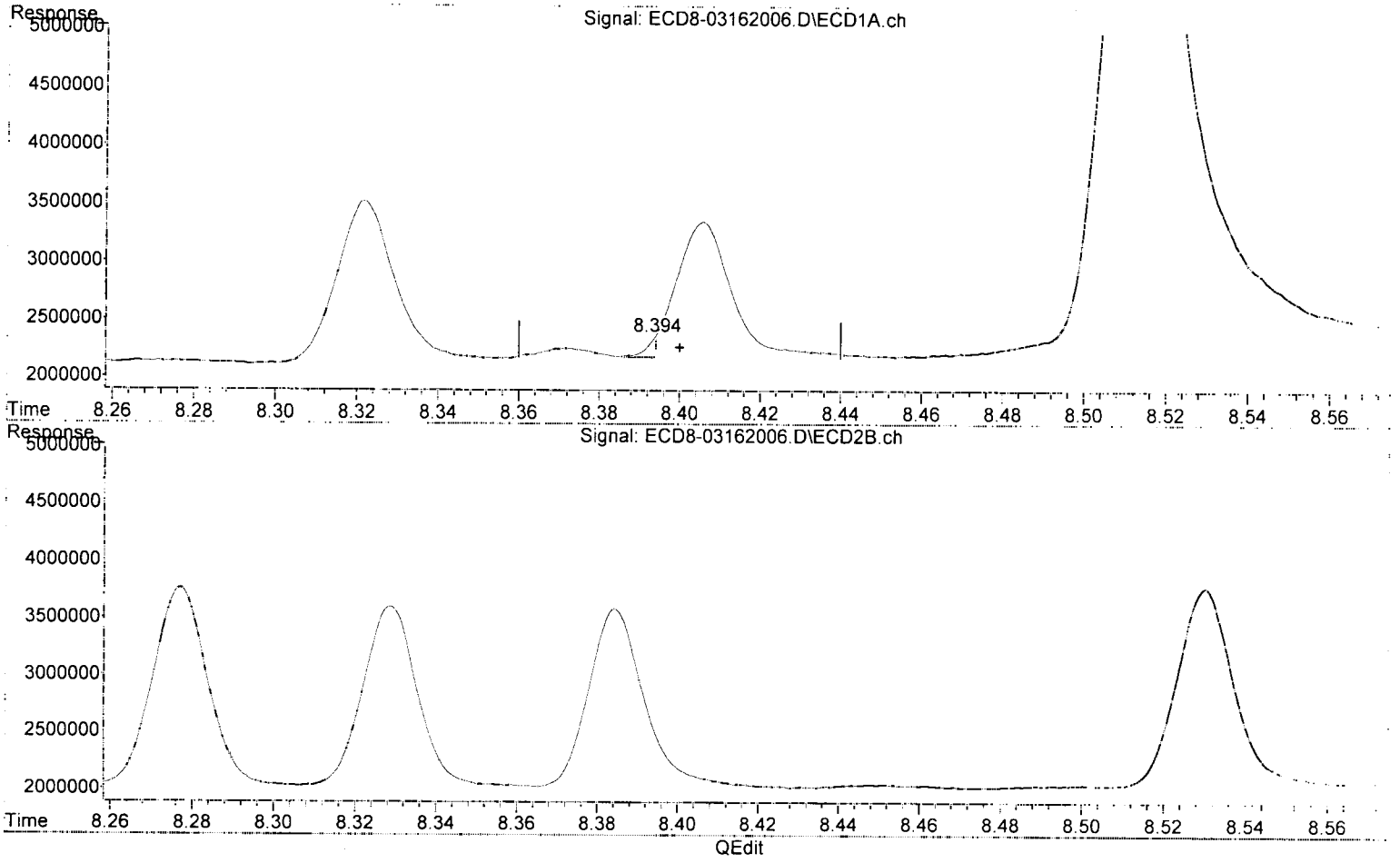


R = 3.70e+003 A*A + 1.86e+006 A + 2.20e+005
Coef of Det (r^2) 0.9996
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT

8.394min -0.029 ng/mL (m)

response 165532

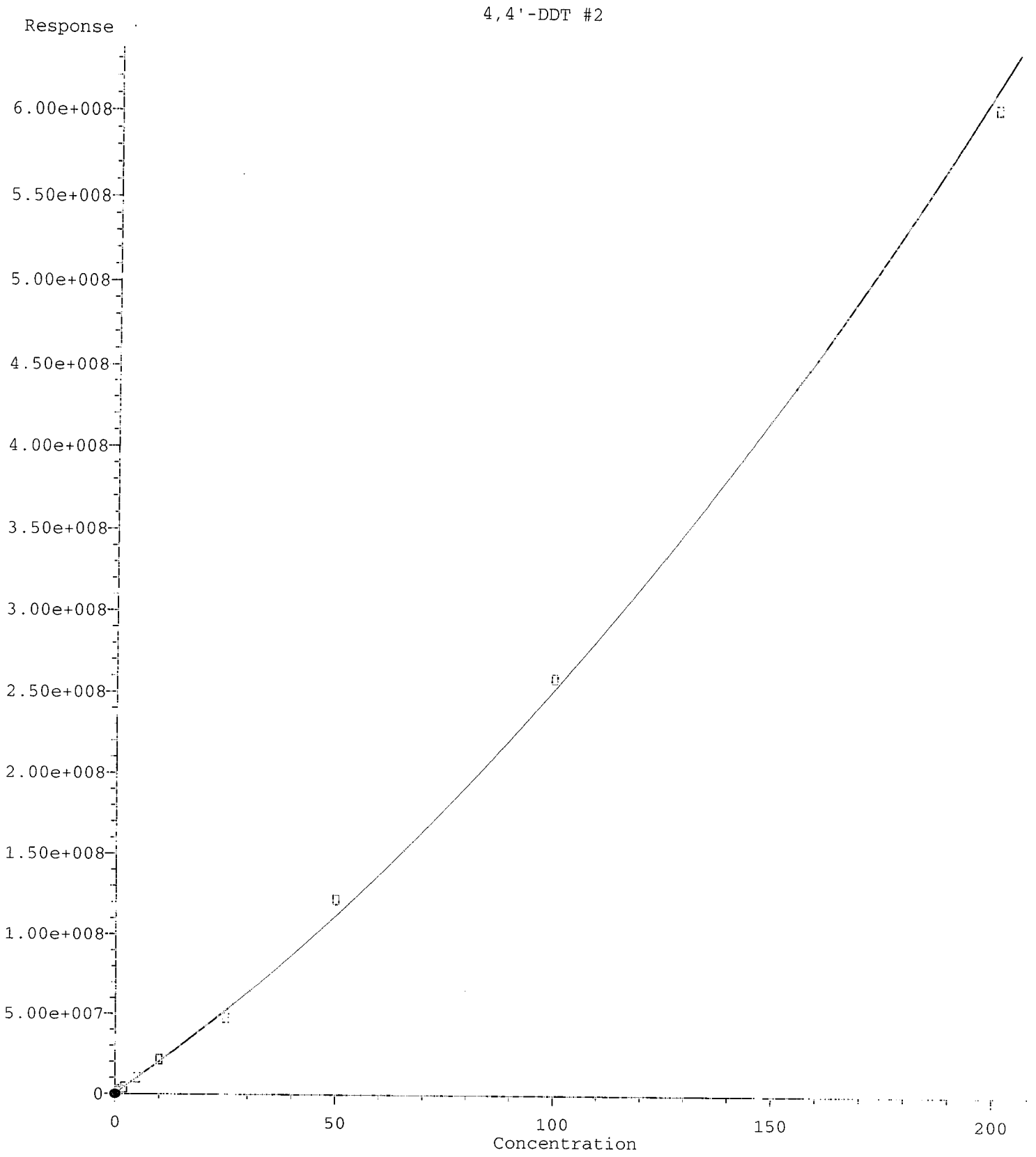
MJB 3/17/20

(17) 4,4'-DDT #2

9.031min 0.510 ng/mL

response 1236261

(+) = Expected Retention Time

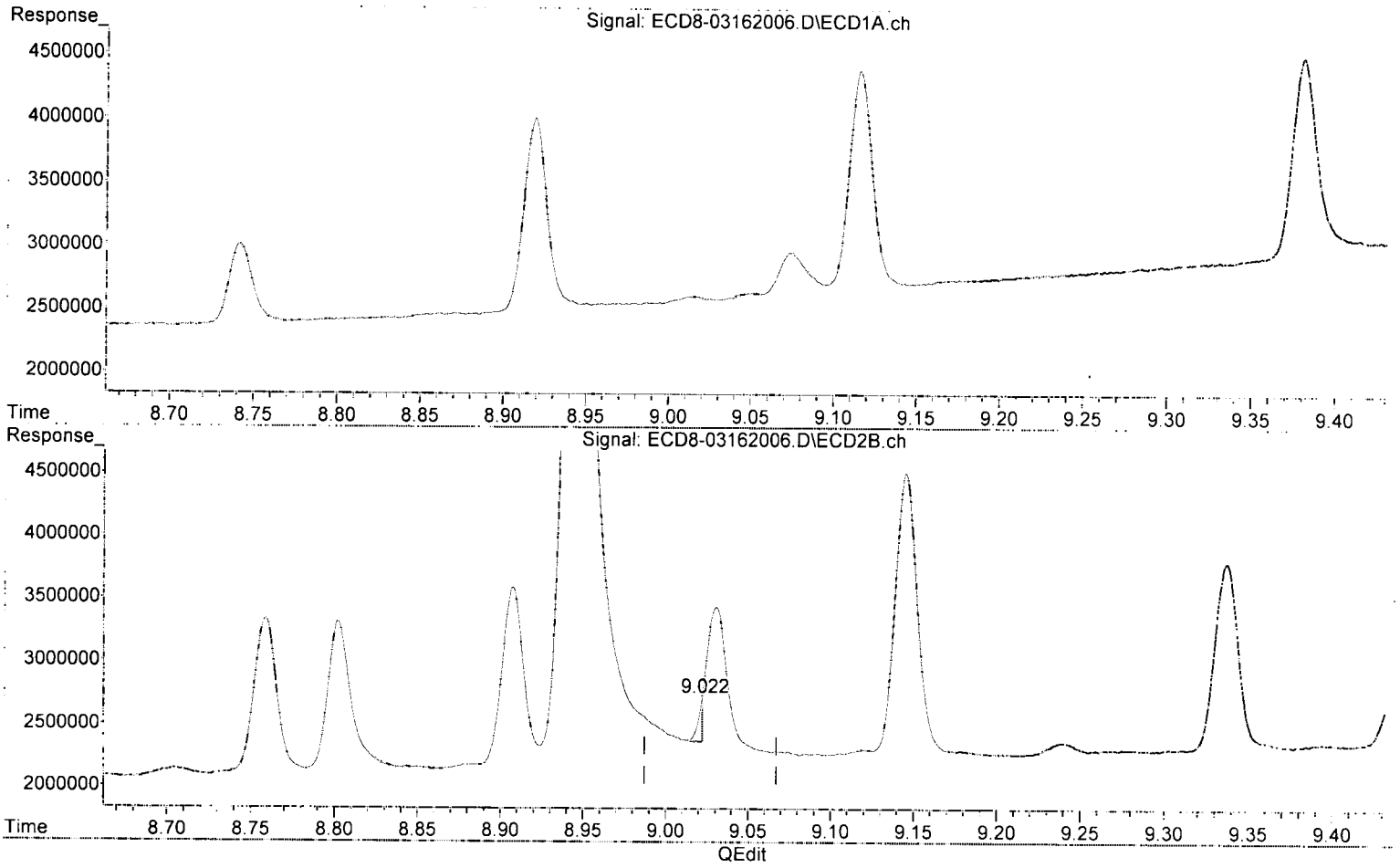


R = 5.72e+003 A*A + 1.95e+006 A + 2.42e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic, Origin Ignored
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT

8.394min -0.029 ng/mL m

response 165532

MJB 3/17/20

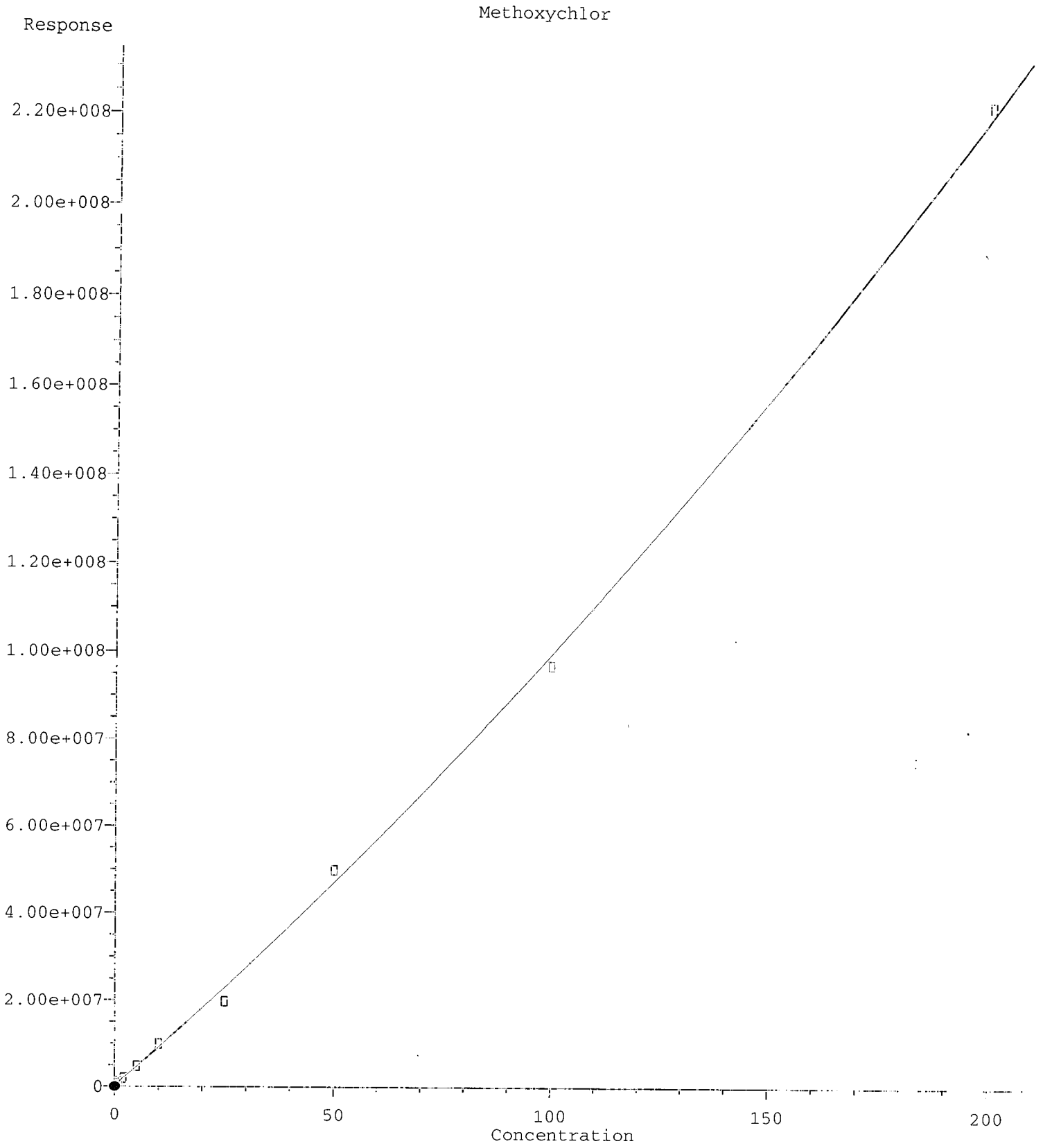
(17) 4,4'-DDT #2

9.022min 0.059 ng/mL (m)

response 357205

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:04:30 2020 Page: 1

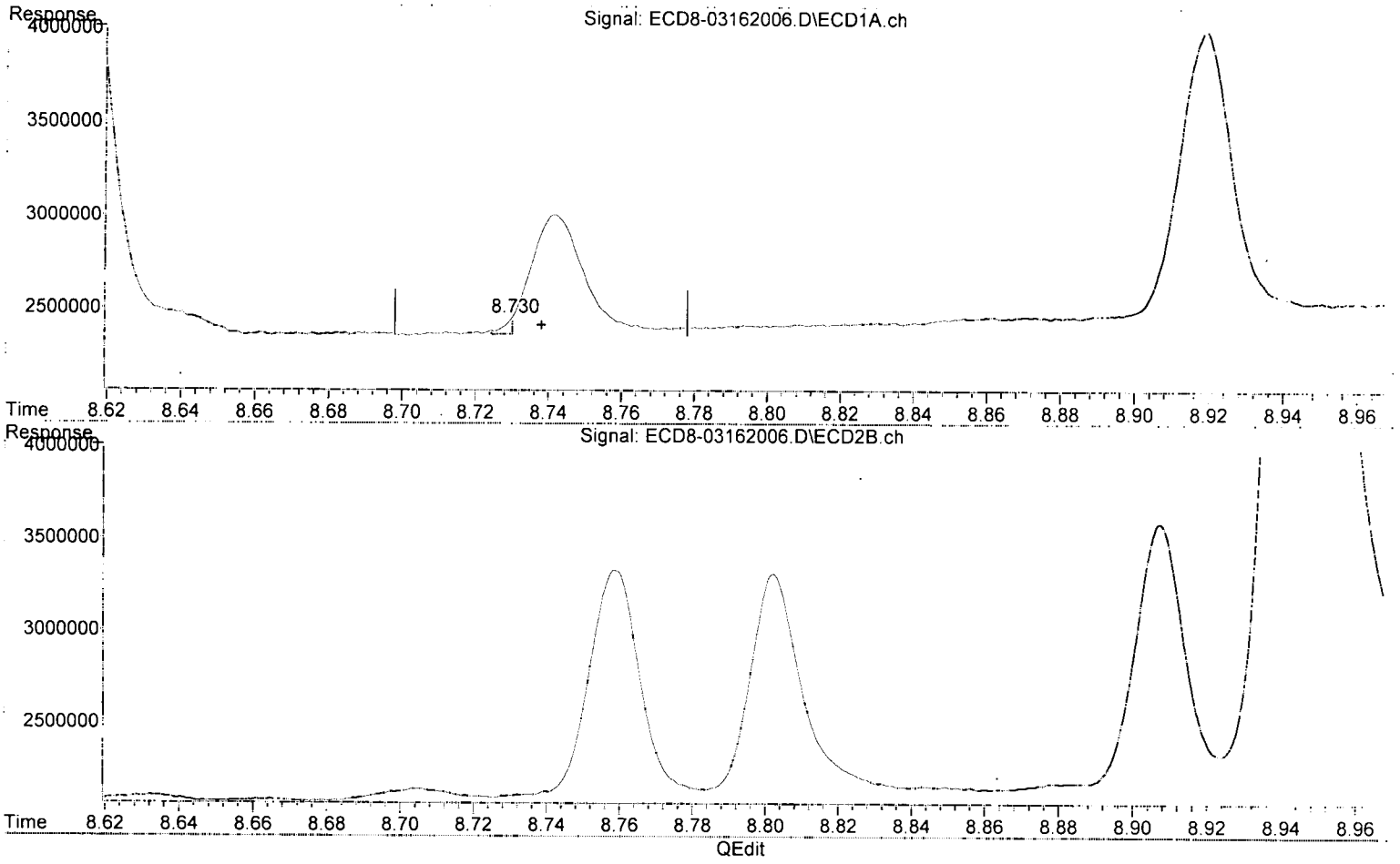


R = 1.10e+003 A*A + 8.82e+005 A + 2.09e+005
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic, 1/x Weighting
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Calibration Table Last Updated: Tue May 17 11:41:39 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(20) Methoxychlor

8.730min -0.136 ng/mL (m)

response 88581

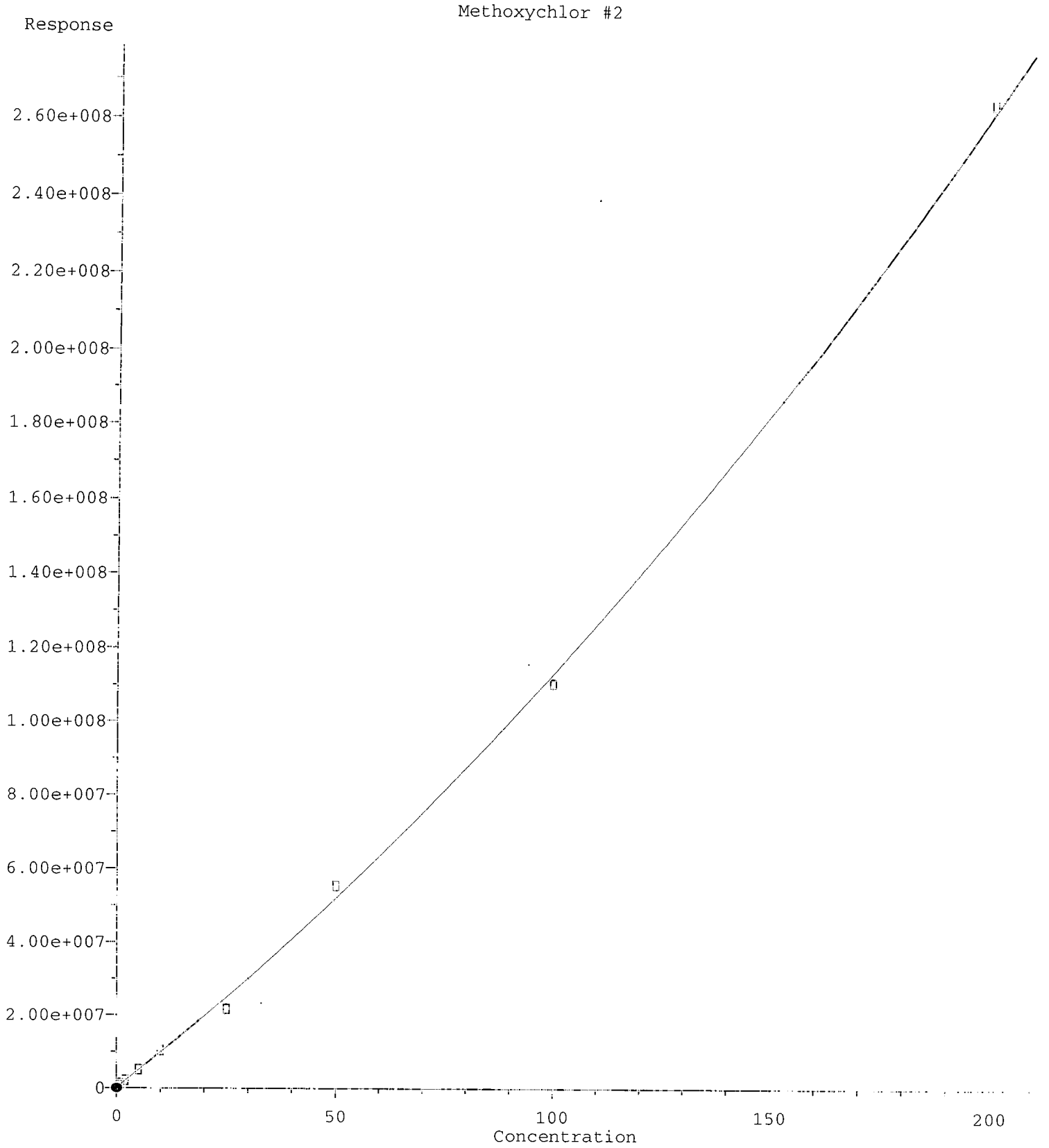
MB 3/17/12.

(20) Methoxychlor #2

9.514min 0.487 ng/mL

response 683285

(+) = Expected Retention Time

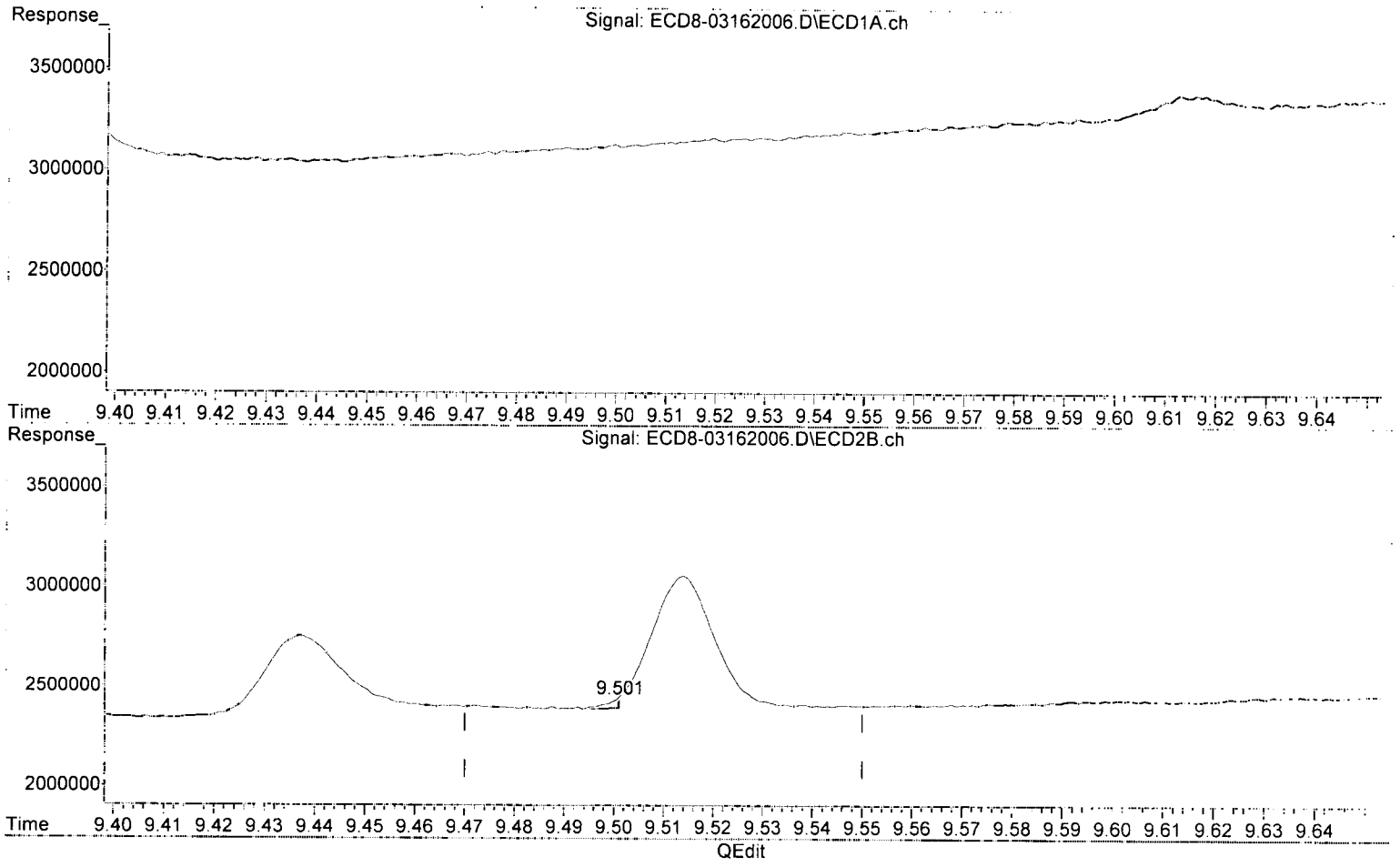


R = 1.86e+003 A*A + 9.41e+005 A + 2.25e+005
Coef of Det (r^2) = 0.996
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(20) Methoxychlor

8.730min -0.136 ng/mL m

response 88581

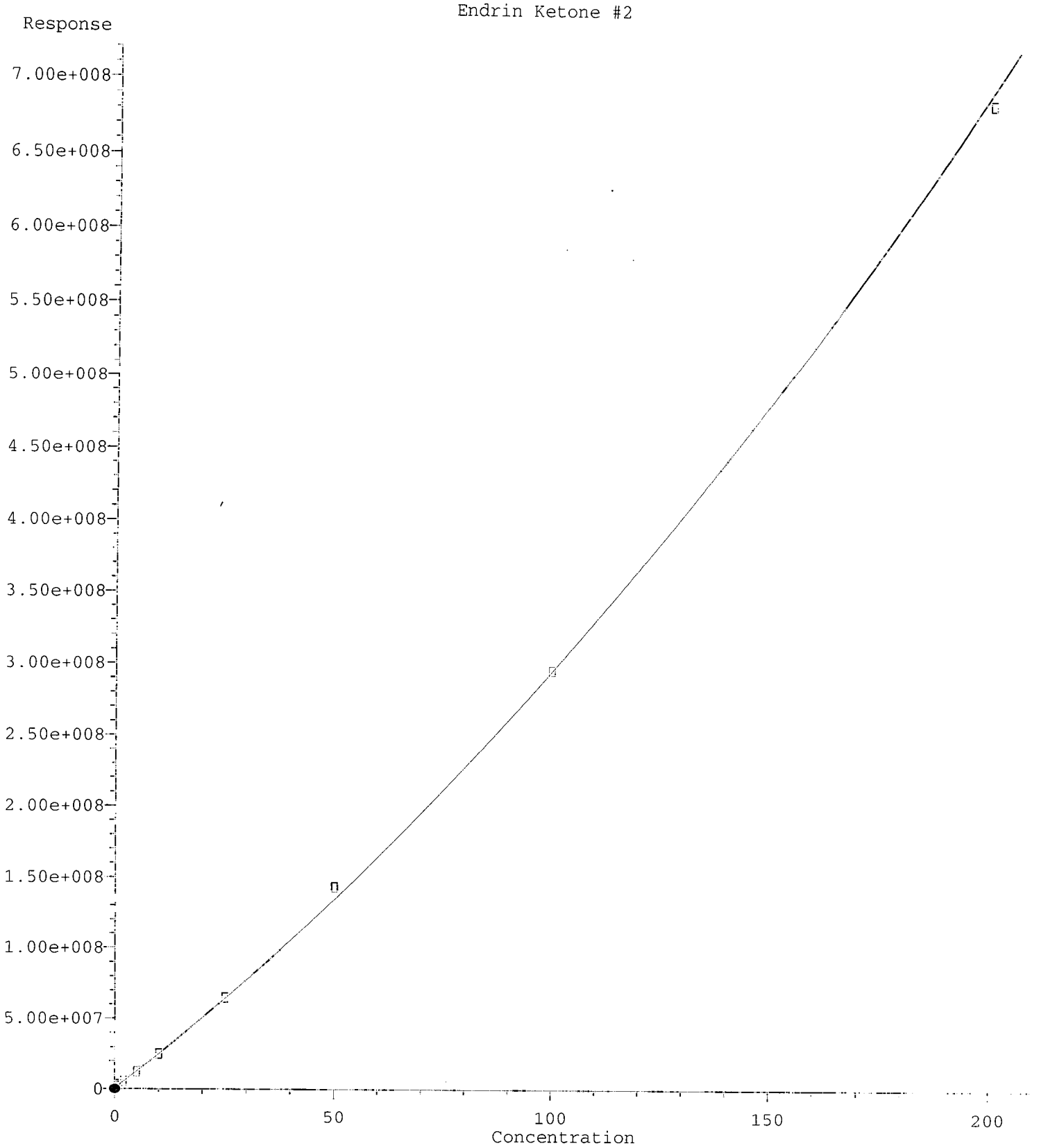
MJB 3/17/20

(20) Methoxychlor #2

9.501min -0.188 ng/mL m

response 47208

(+) = Expected Retention Time

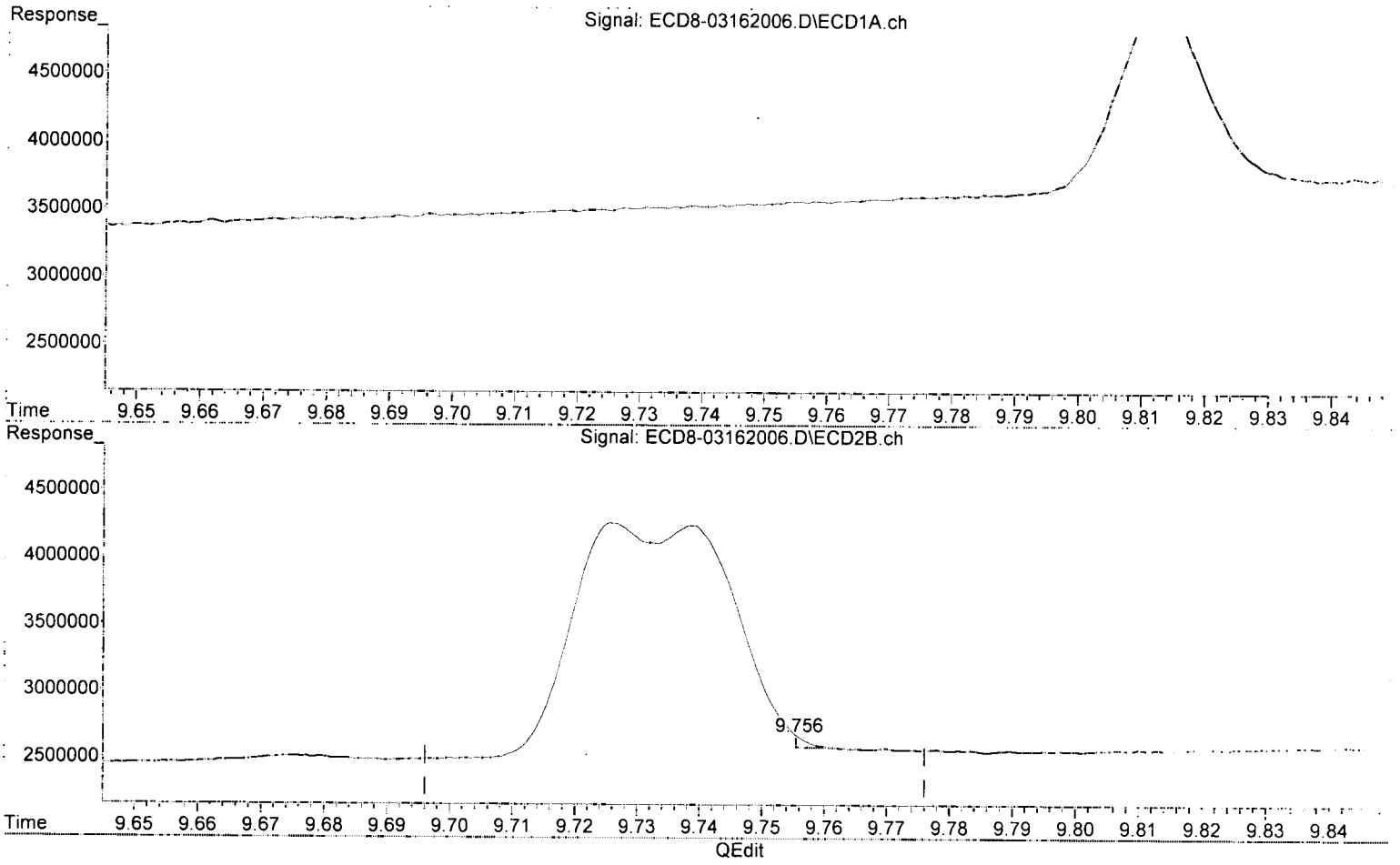


R = 5.32e+003 A*A + 2.41e+006 A + 5.59e+005
Coef of Det (r^2) 0.9993 Curve Fit: Quadratic w/ 1/a^2
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(21) Endrin Ketone

9.116min 0.593 ng/mL

response 1733080

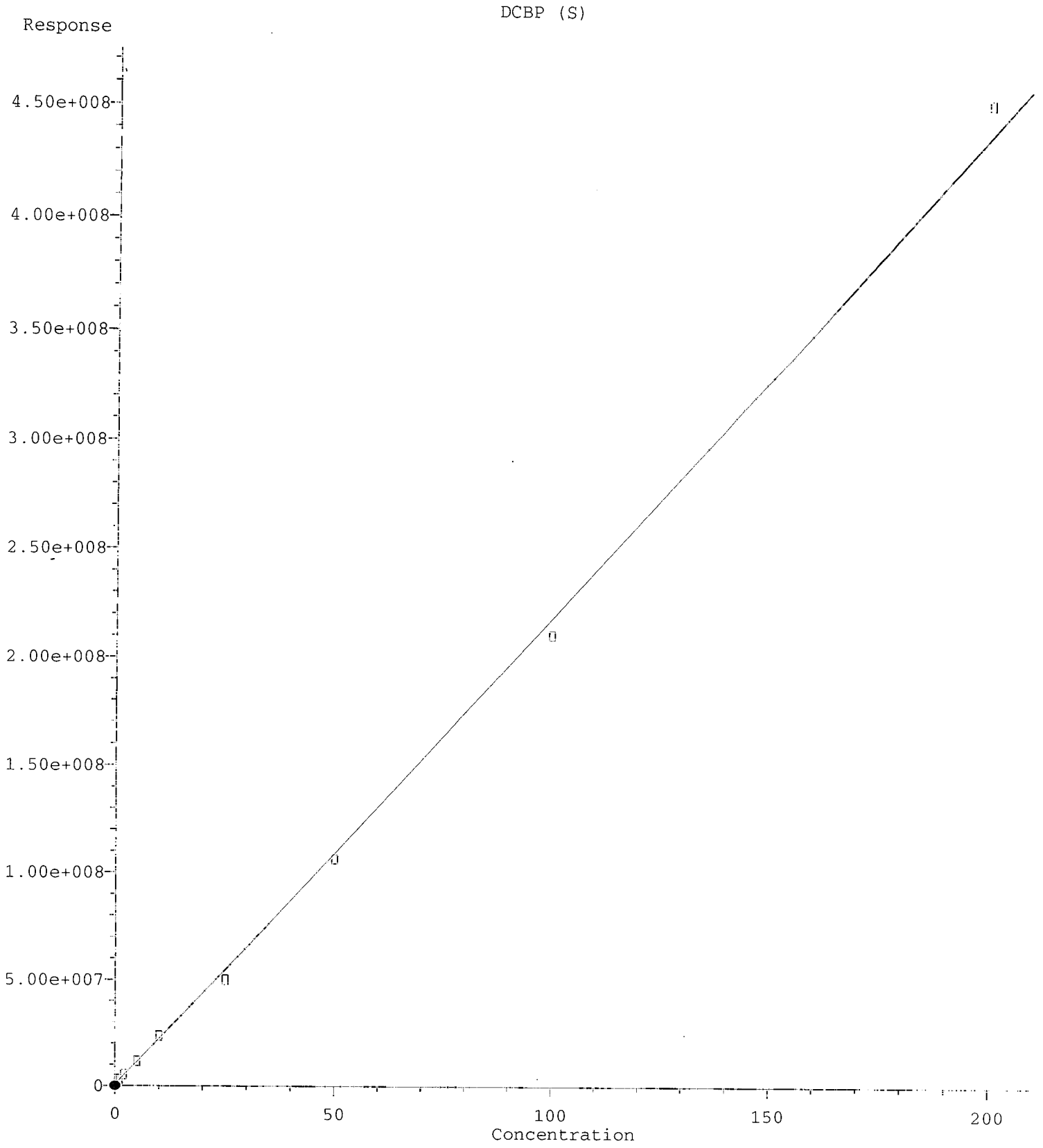
MJB 3/17/20

(21) Endrin Ketone #2

9.756min -0.195 ng/mL (m)

response 90853

(+) = Expected Retention Time

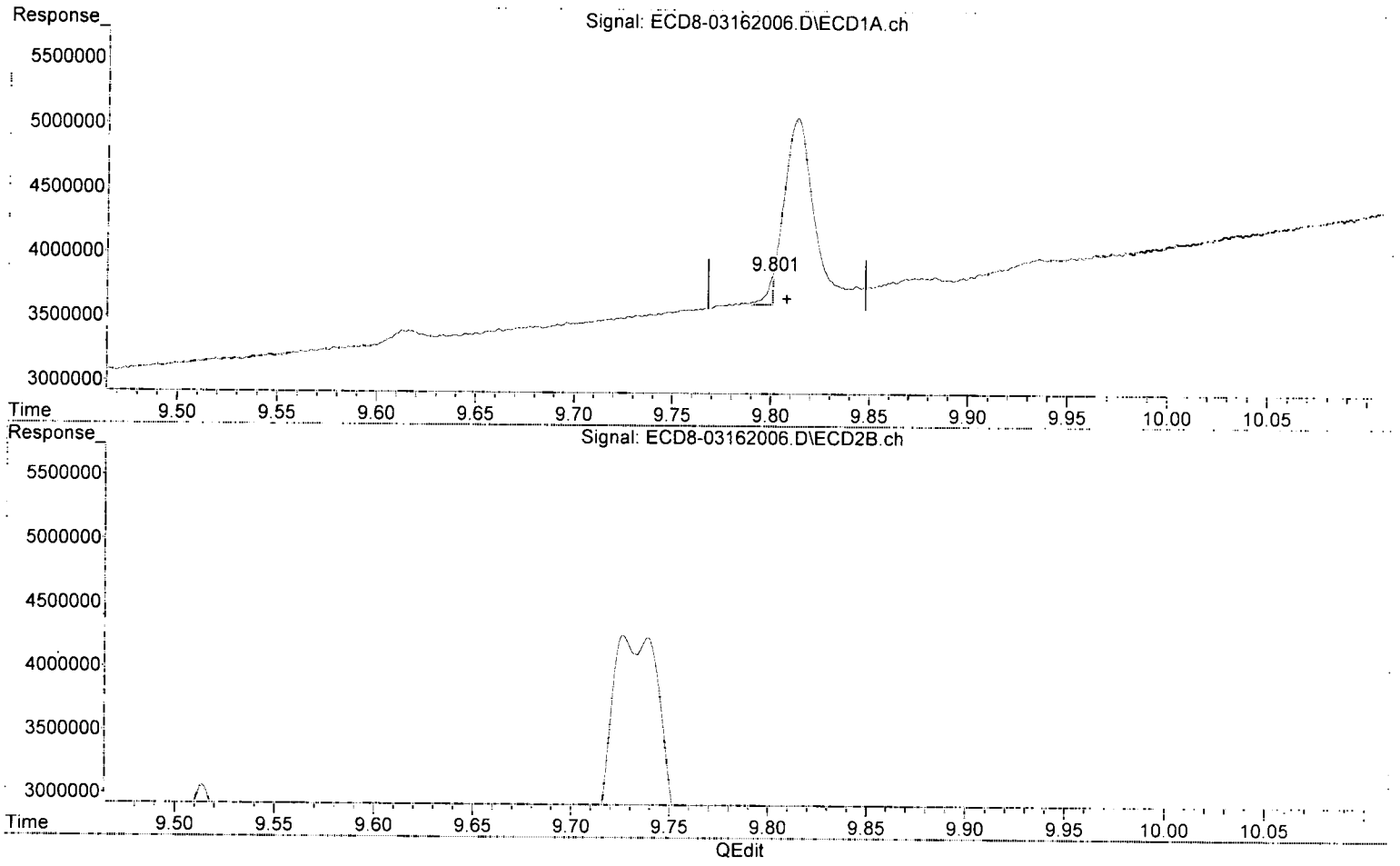


R = 1.56e+002 A*A + 2.16e+006 A + 7.06e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic, 1/A Origin: Ignored
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Calibration Table Last Updated: Tue May 17 11:41:09 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(22) DCBP (S) (S)

9.801min -0.220 ng/mL (m)

response 231569

MJB 3/17/20

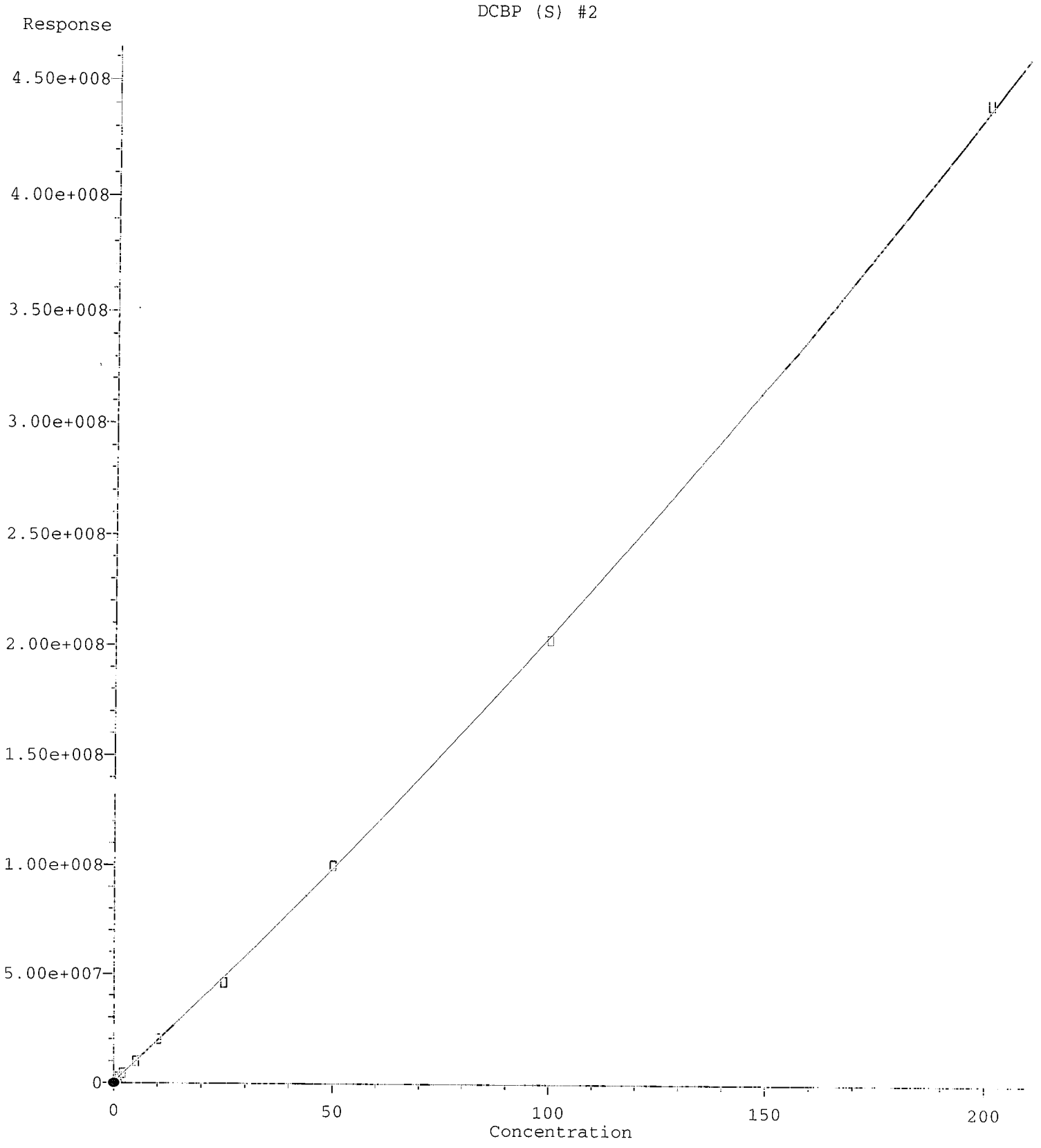
(22) DCBP (S) #2 (S)

10.610min 0.482 ng/mL

response 1485173

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:05:11 2020 Page: 1

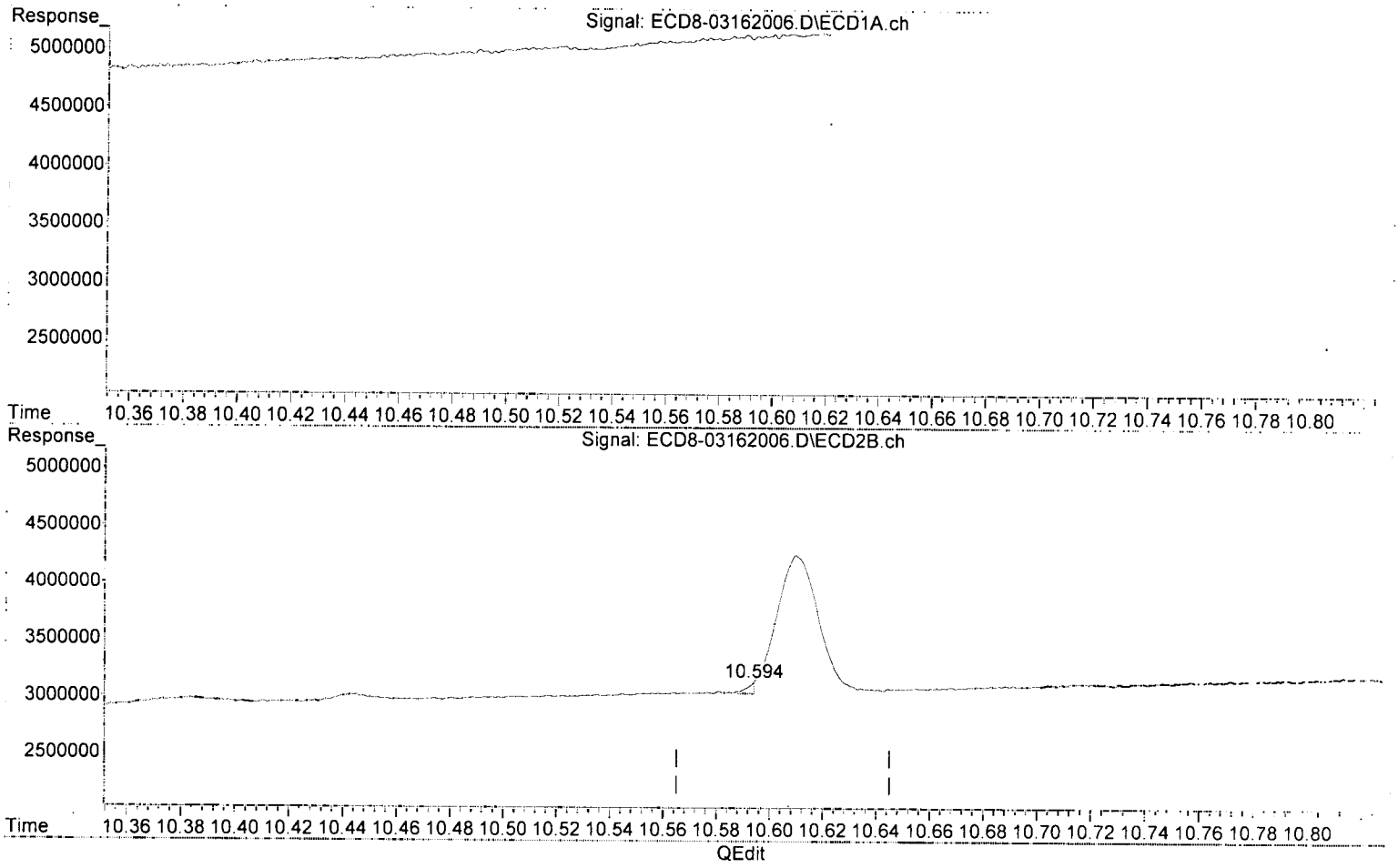


R = 1.58e+003 A*A + 1.88e+006 A + 5.78e+005
Coef of Det (r^2) = 1.000
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(22) DCBP (S) (S)

9.801min -0.220 ng/mL m

response 231569

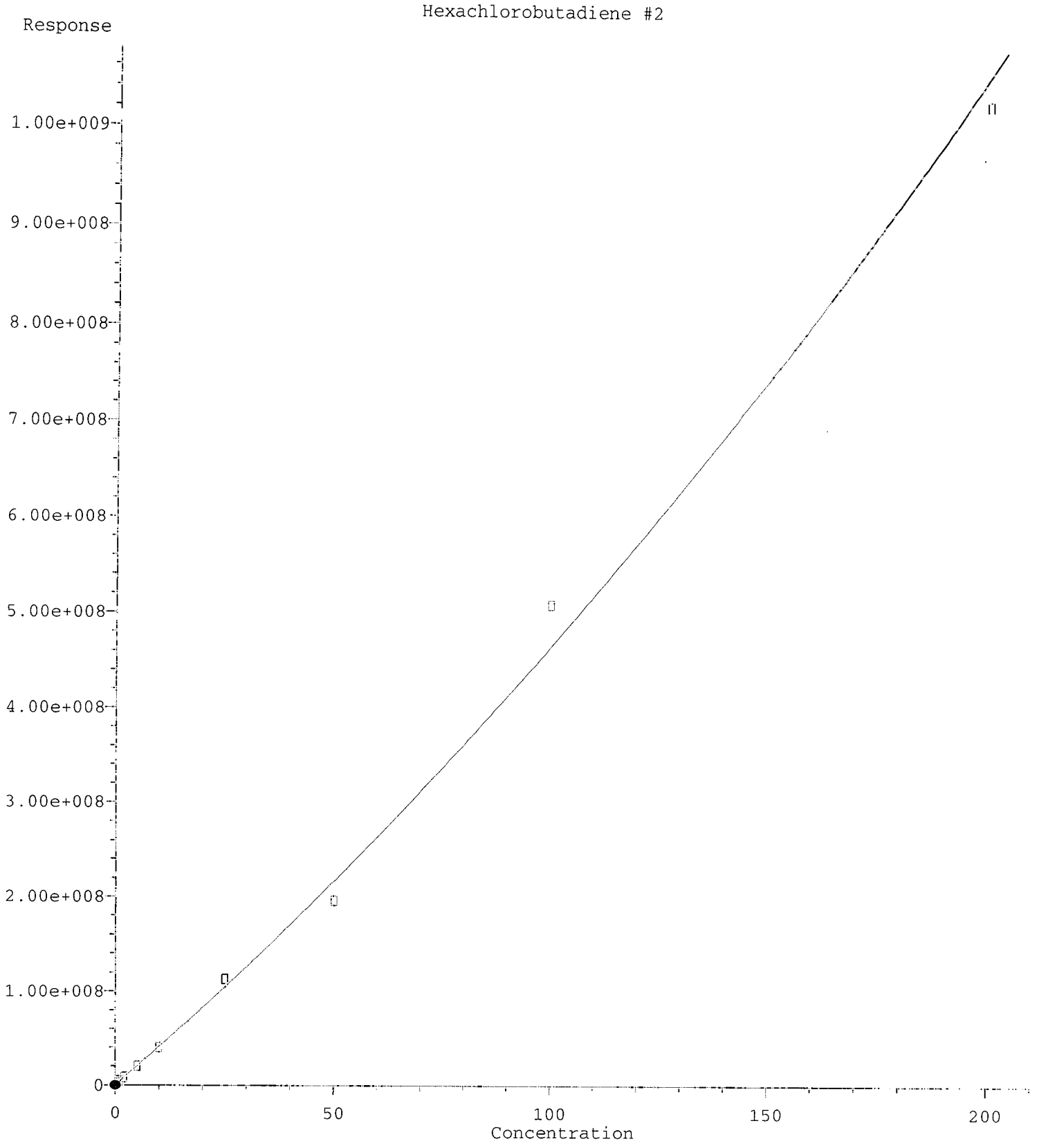
MJB 3/17/20

(22) DCBP (S) #2 (S)

10.594min -0.255 ng/mL (m)

response 99169

(+) = Expected Retention Time

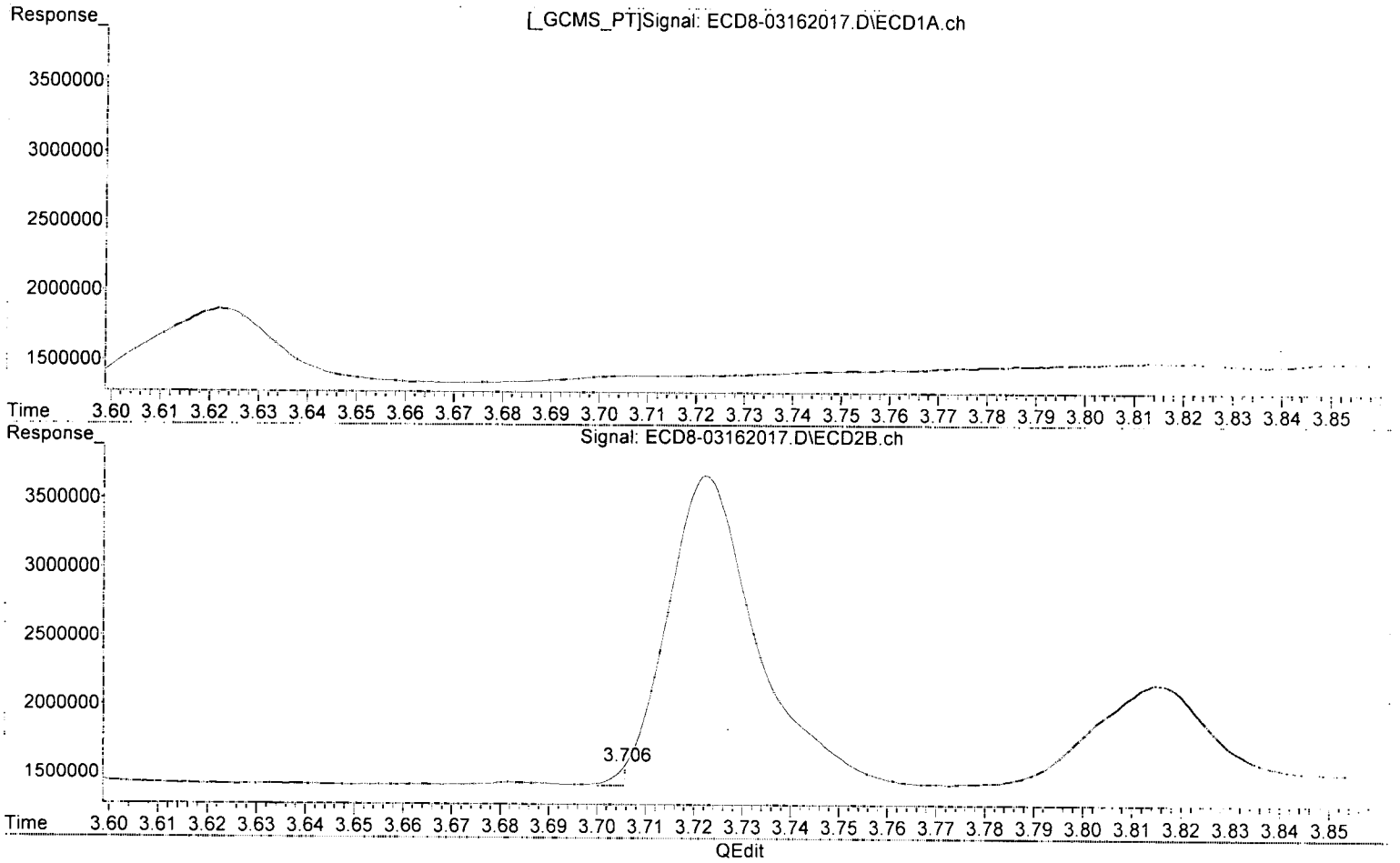


R = 6.30e+003 A*A + 4.01e+006 A + 2.64e+005
Coef of Det (r^2) 0.995
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(23) Hexachlorobutadiene

3.370min 0.544 ng/mL

response 1888302

MB 3/17/20

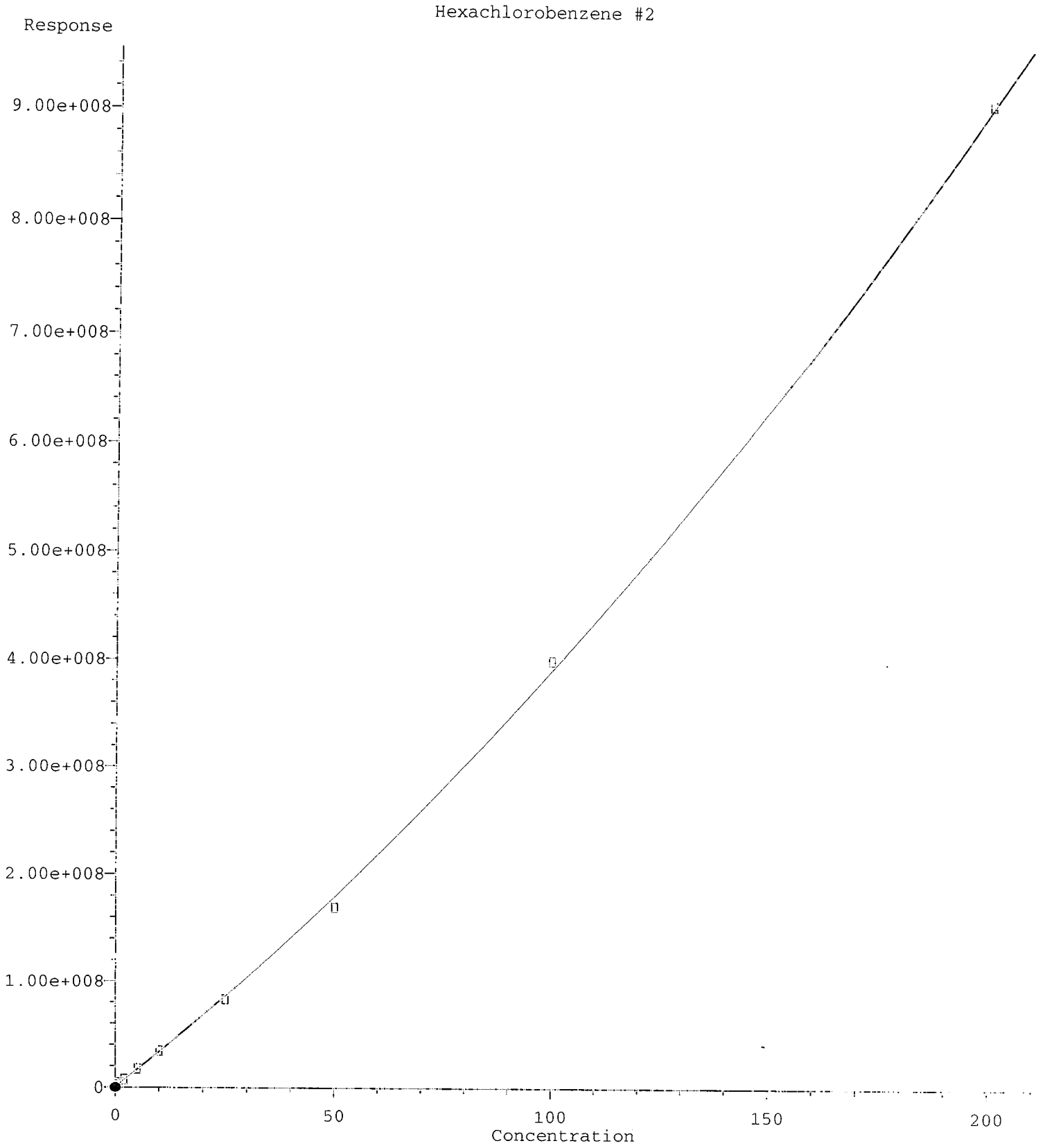
(23) Hexachlorobutadiene #2

3.706min -0.029 ng/mL

response 147095

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:05:40 2020 Page: 1

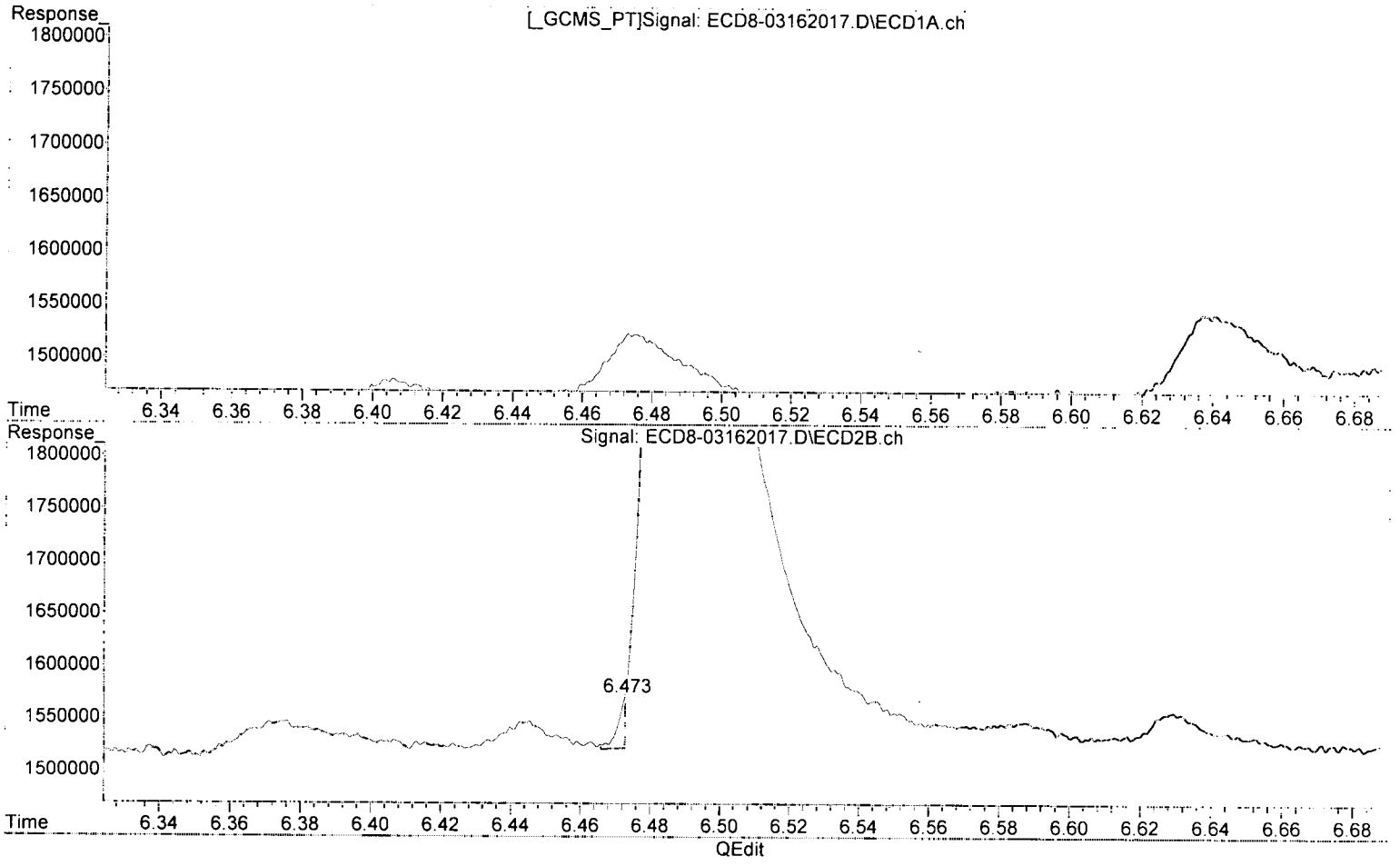


R = 6.34e+003 A*A + 3.26e+006 A + 4.25e+005
Coef of Det (r^2) 0.999
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(24) Hexachlorobenzene

5.962min 0.577 ng/mL

response 1831455

MJB 3/17/20

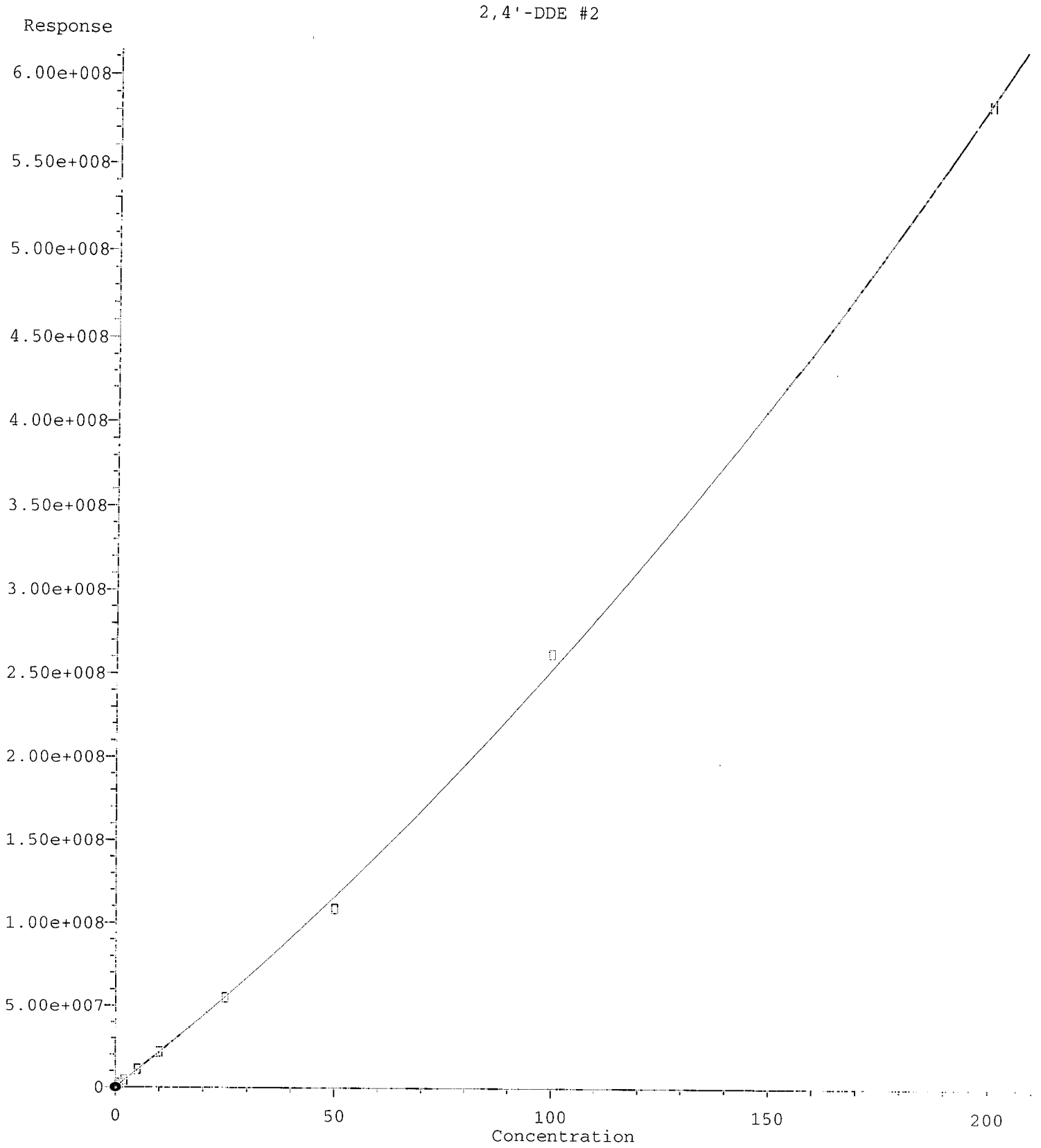
(24) Hexachlorobenzene #2

6.473min -0.115 ng/mL (m)

response 49186

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:05:48 2020

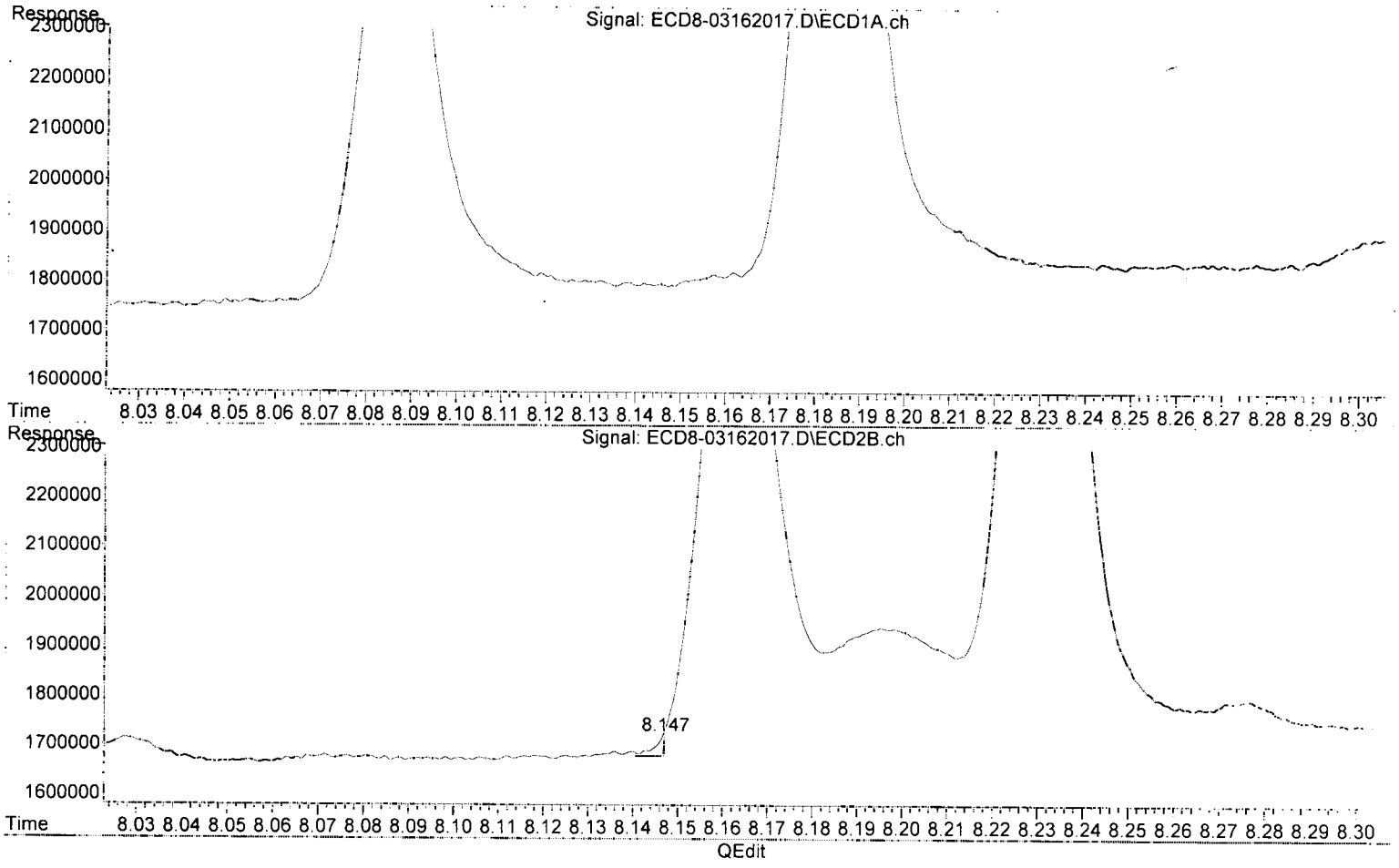


R = 4.14e+003 A*A + 2.11e+006 A + 1.23e+005
Coef of Det (r^2) 0.9996
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(26) 2,4'-DDE

7.529min 0.517 ng/mL

response 956672

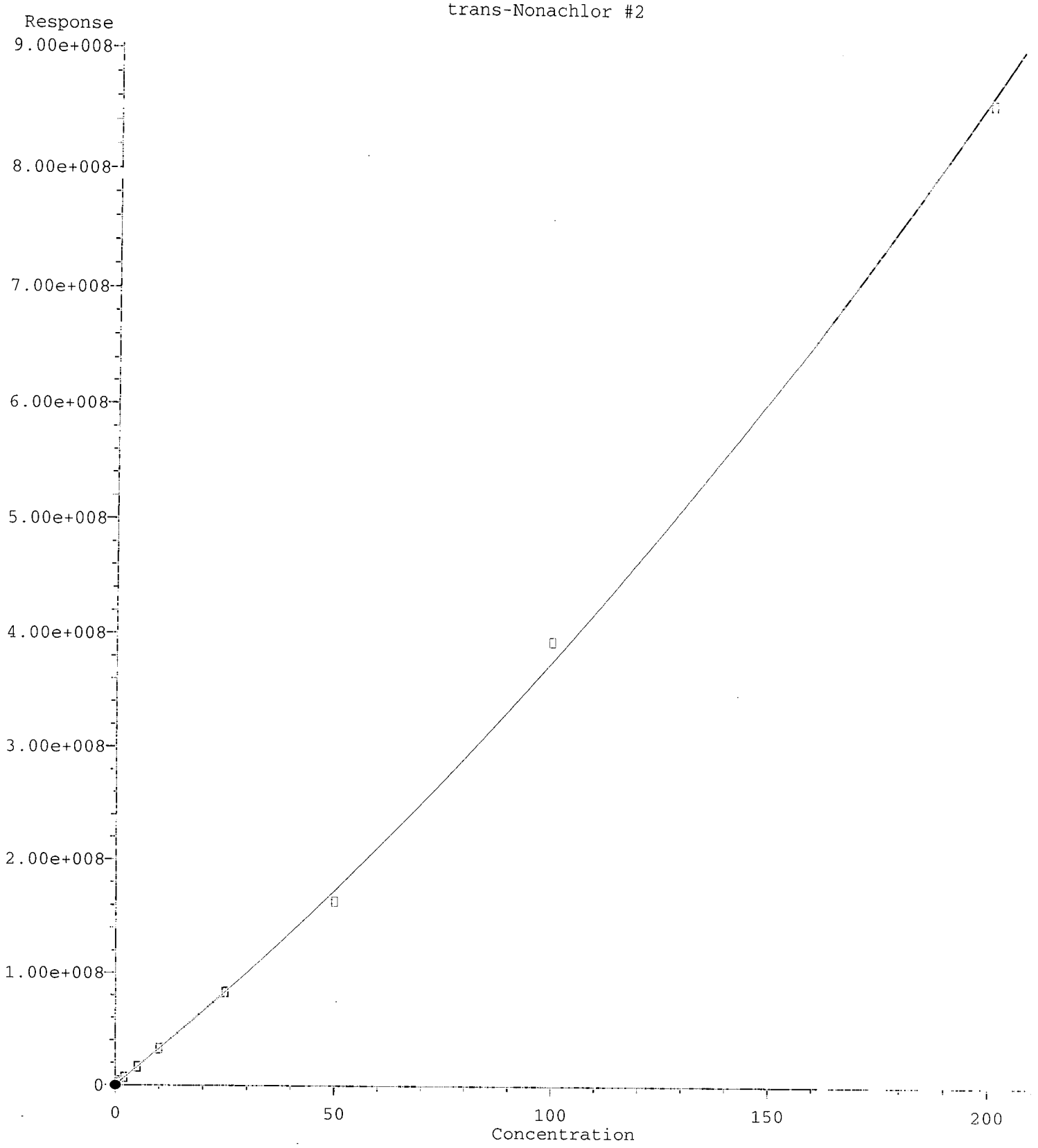
MJB 3/17/20

(26) 2,4'-DDE #2

8.147min -0.038 ng/mL (m)

response 42217

(+) = Expected Retention Time

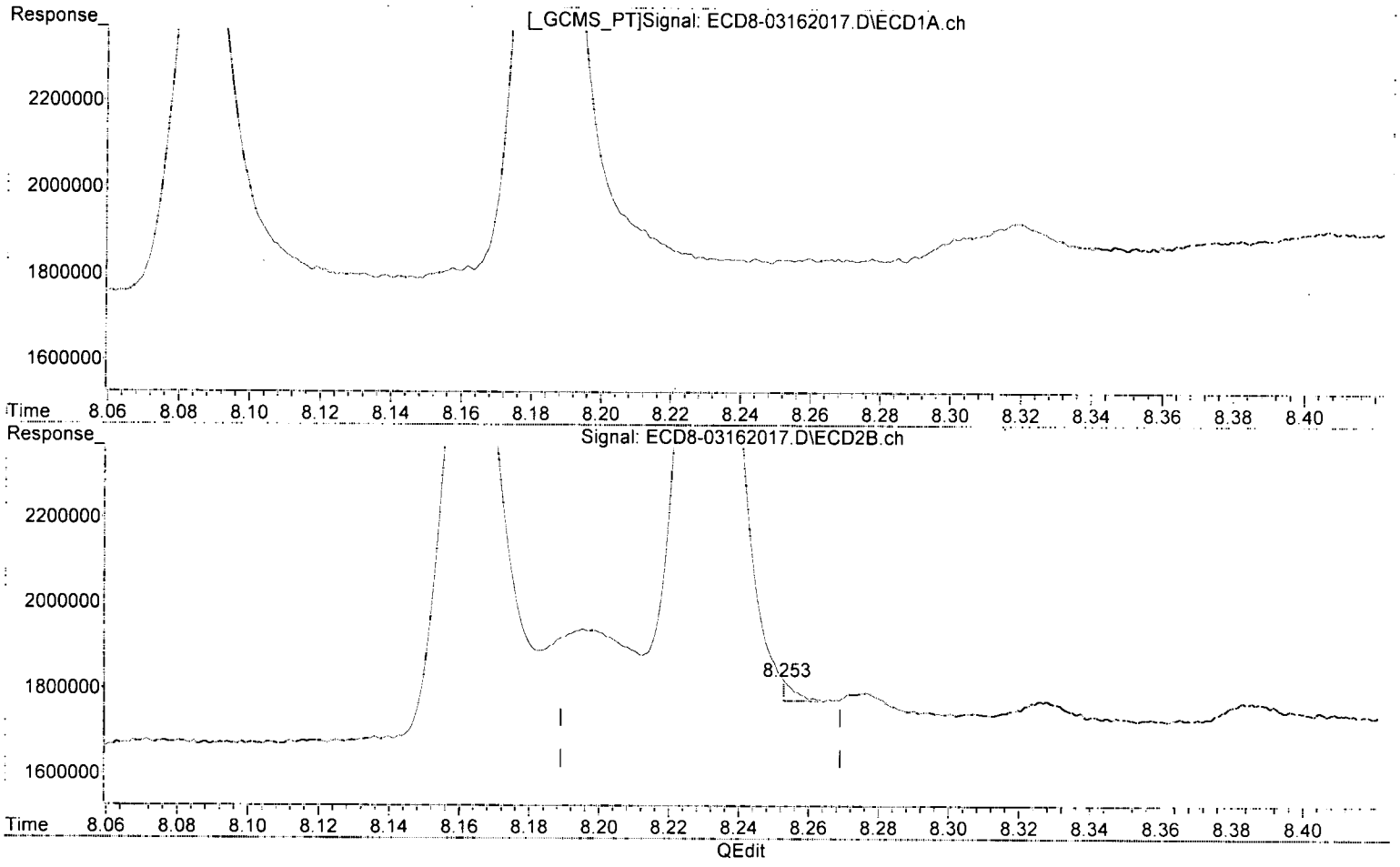


R = 5.84e+003 A*A + 3.17e+006 A + 3.58e+005
Coef of Det (r^2) 0.9993 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(27) trans-Nonachlor

7.710min 0.547 ng/mL

response 1717828

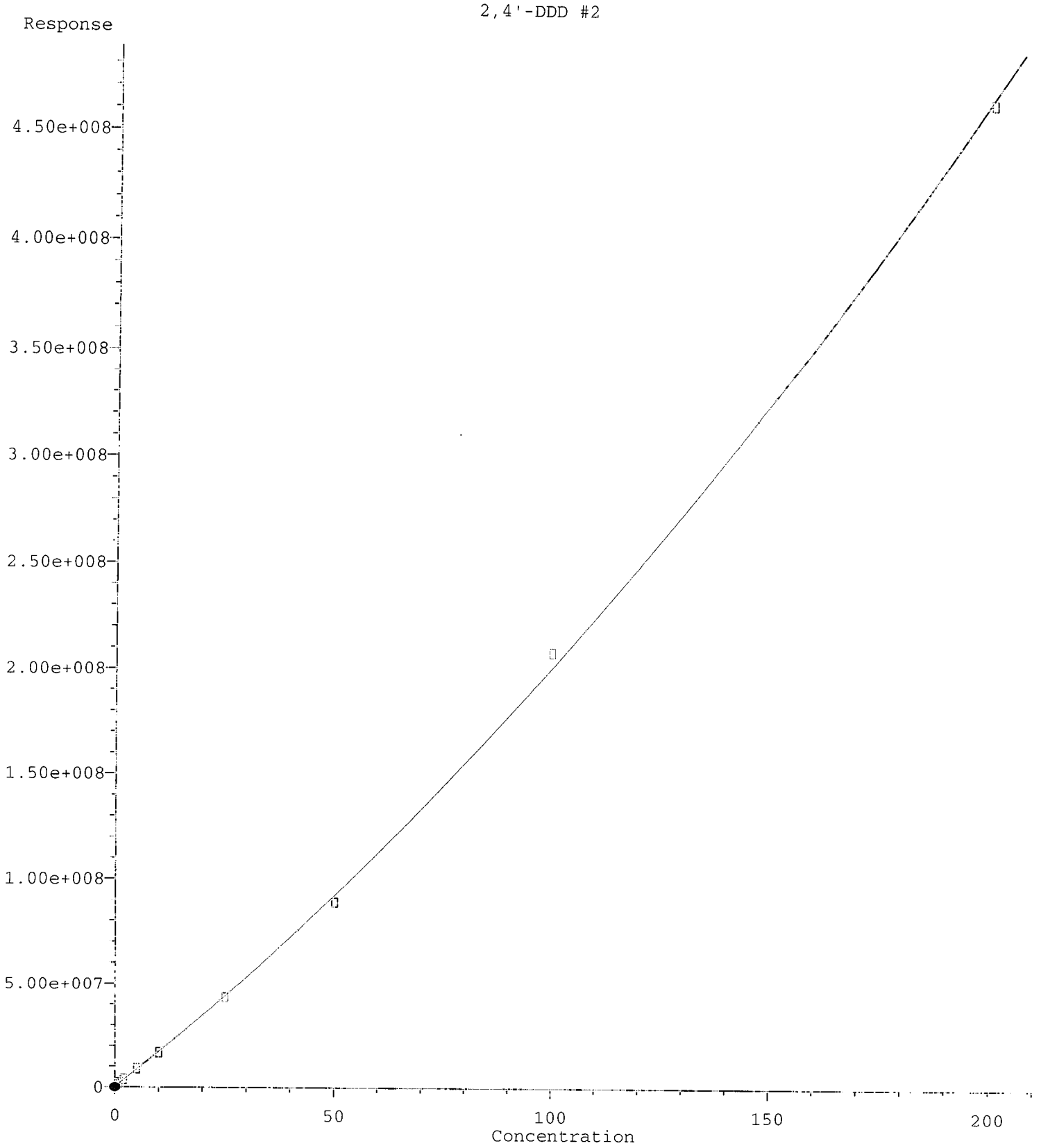
MJB 3/17/20

(27) trans-Nonachlor #2

8.253min -0.098 ng/mL m

response 47035

(+) = Expected Retention Time

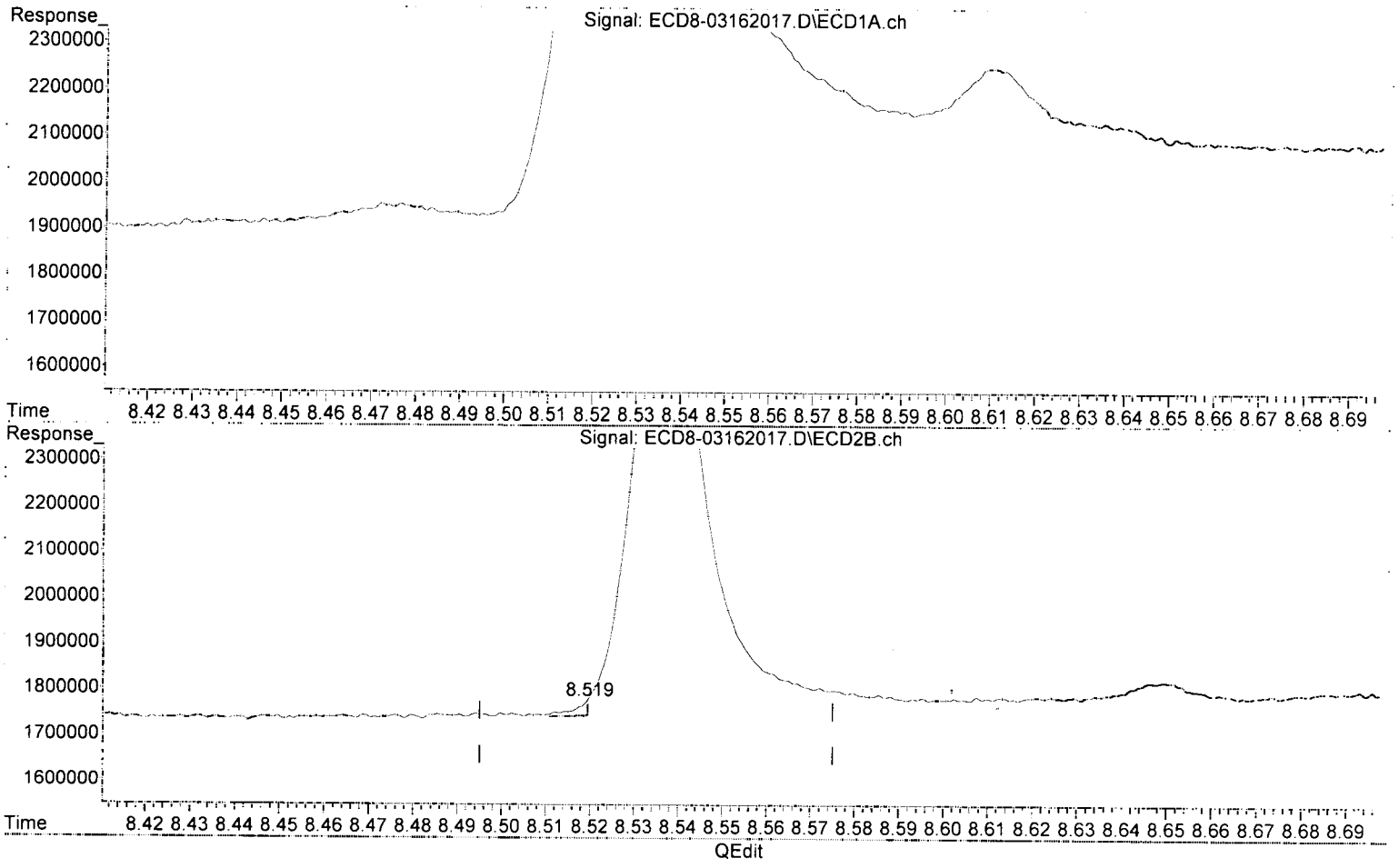


R = 3.29e+003 A*A + 1.67e+006 A + 2.18e+005
Coef of Det (r^2) 0.9992
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD

7.905min 0.545 ng/mL

response 837824

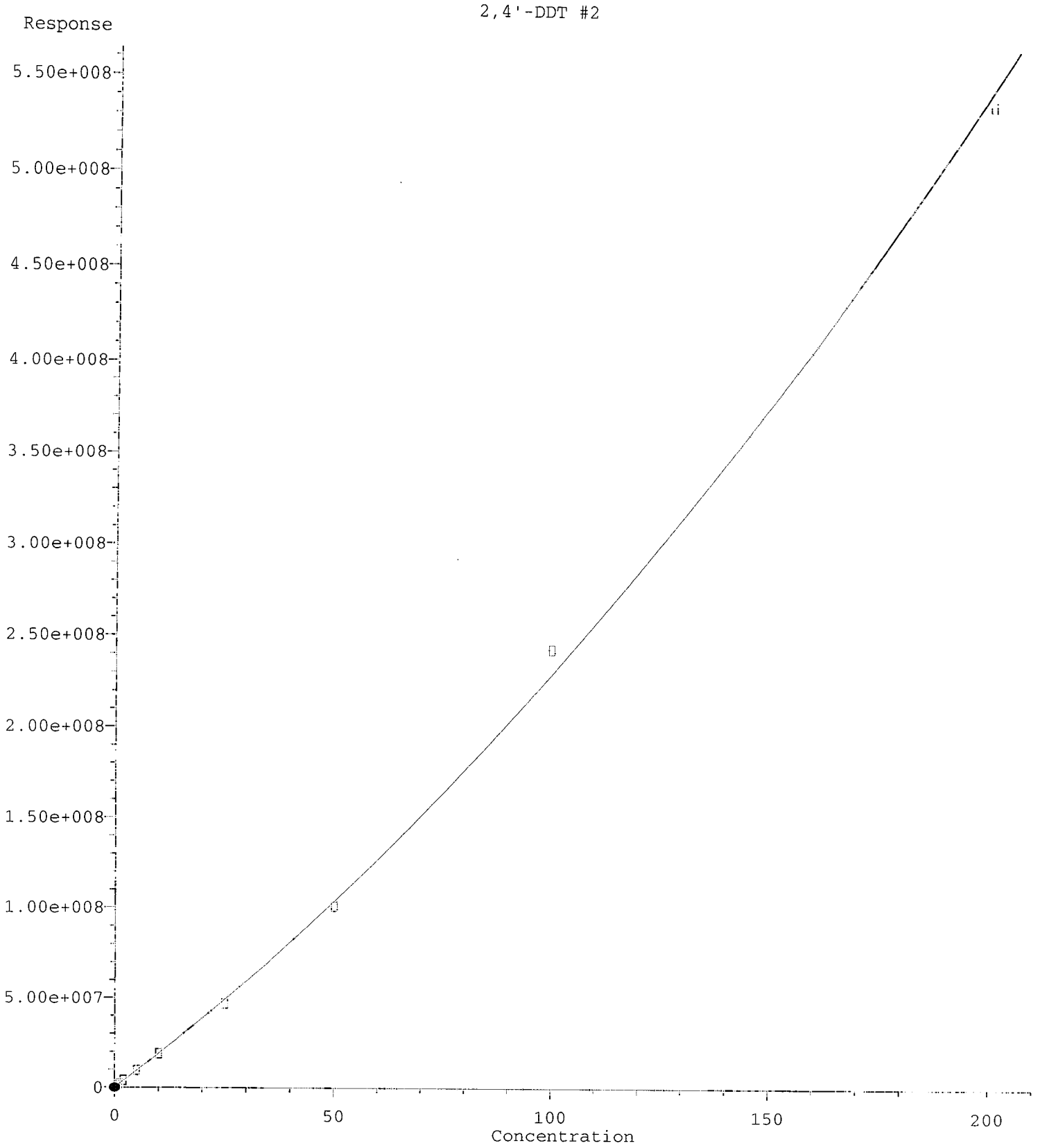
MJB 3/17/20

(28) 2,4'-DDD #2

8.519min -0.111 ng/mL m

response 32437

(+) = Expected Retention Time

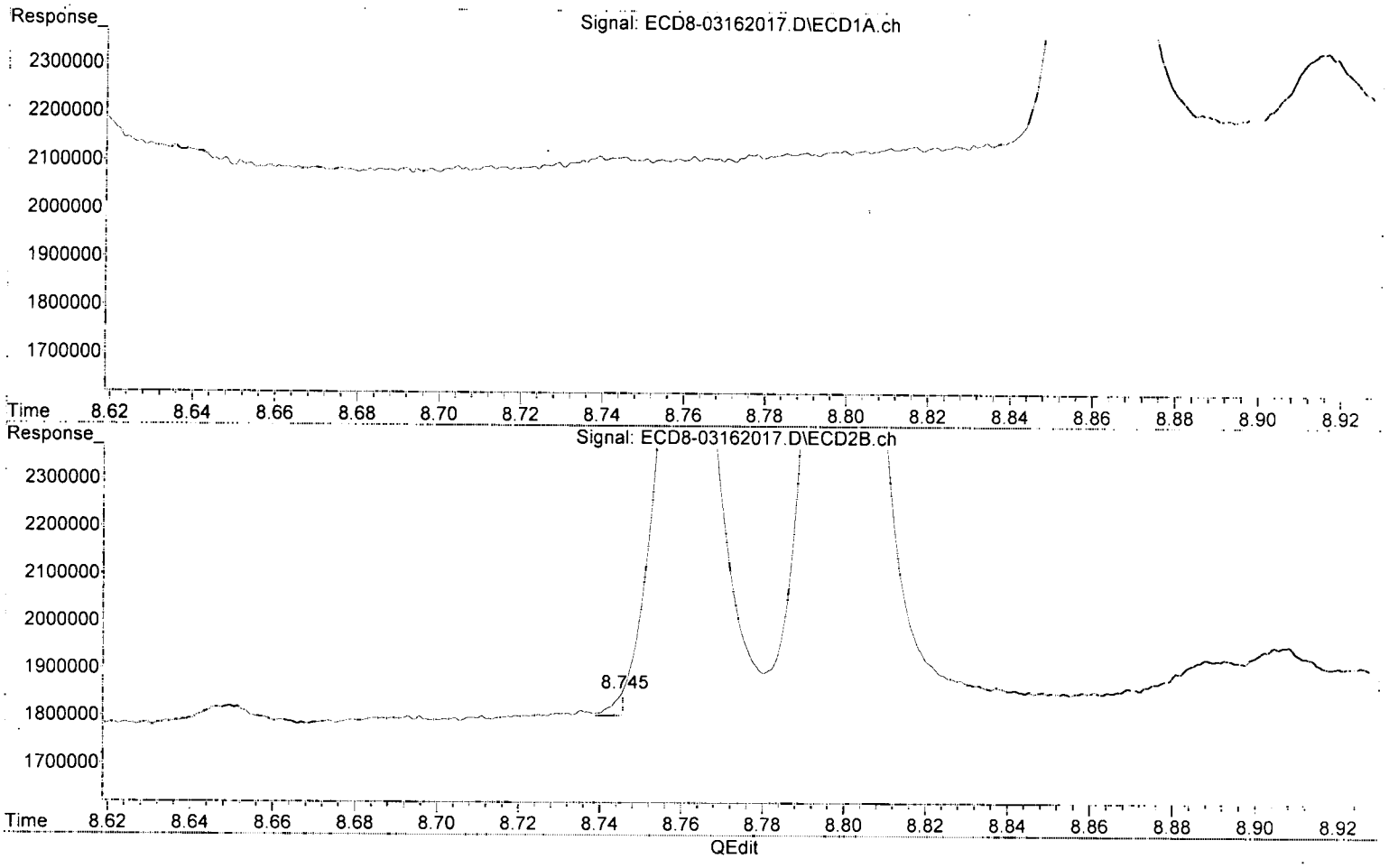


R = 4.41e+003 A*A + 1.85e+006 A + 1.78e+005
Coef of Det (r^2) 04/20/2020 Anchor QEA, LLC Tesoro PreRD DC 2019 41-b DQC-CAP Testing Cores Page 335 of 501
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT

8.086min 0.528 ng/mL

response 999176

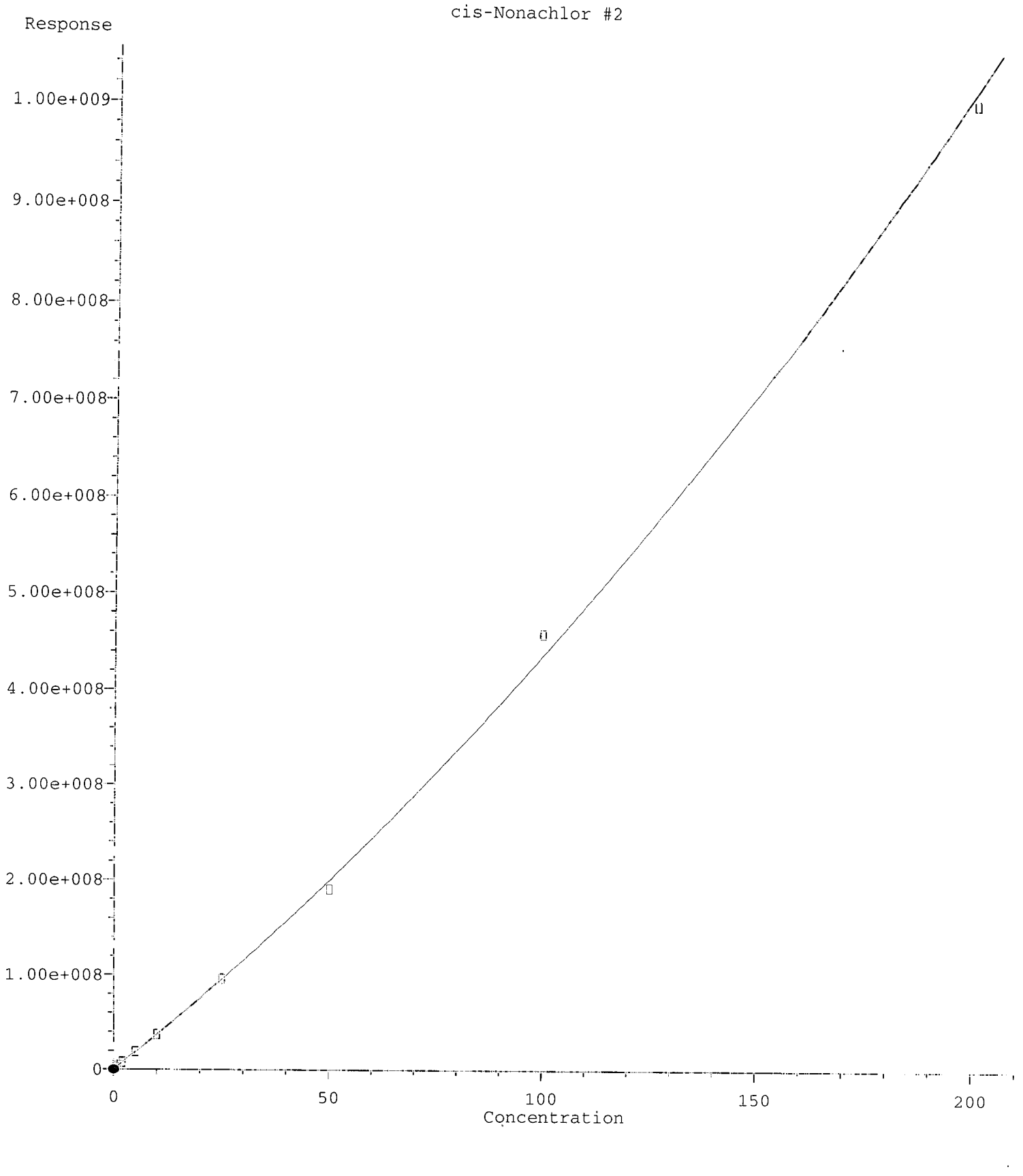
MJB 3/17/20.

(29) 2,4'-DDT #2

8.745min -0.071 ng/mL(m)

response 46376

(+) = Expected Retention Time

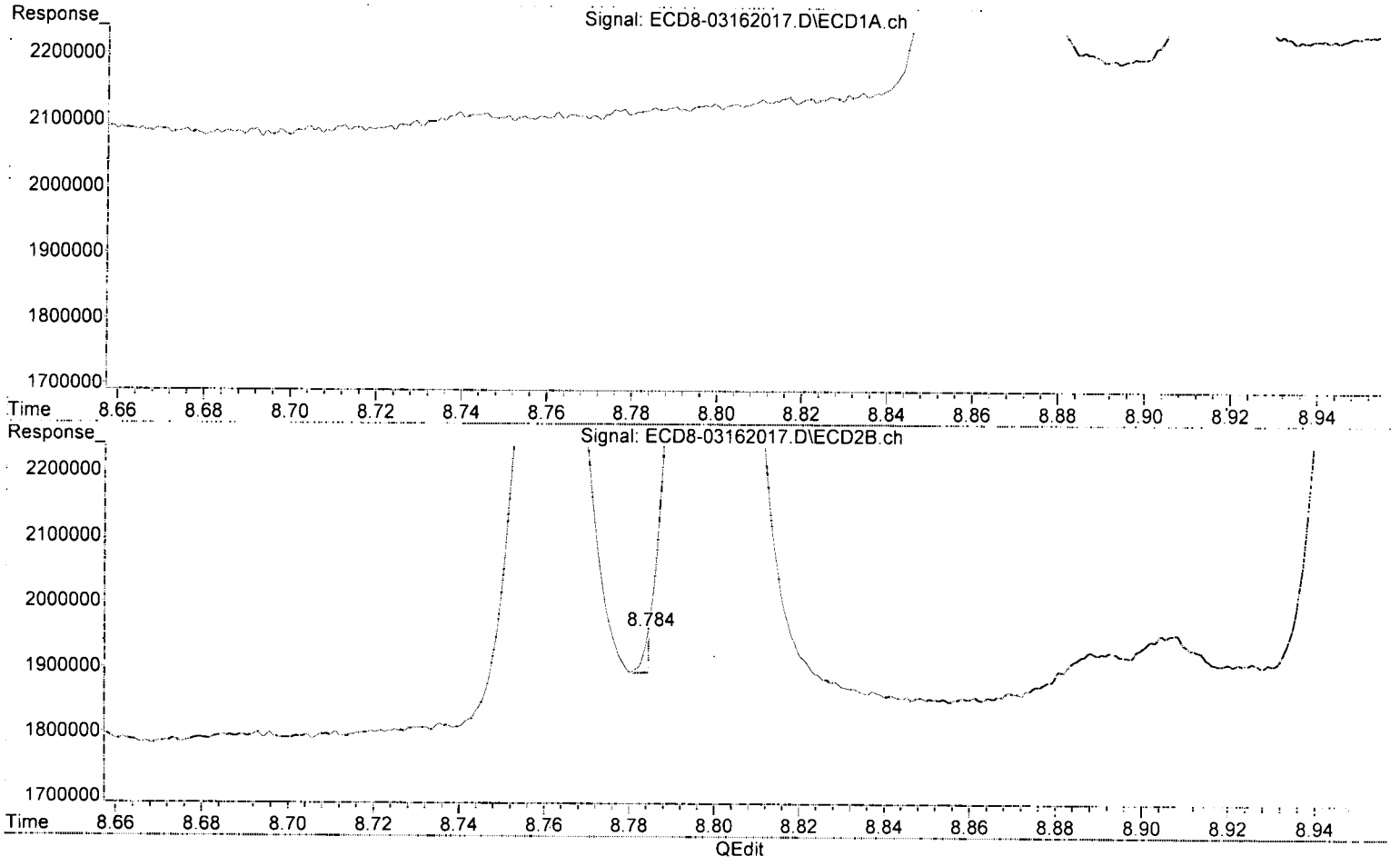


R = 7.32e+003 A*A + 3.62e+006 A + 2.06e+005
Coef of Det (r^2) = 0.999
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(30) cis-Nonachlor

8.184min 0.524 ng/mL

response 1811776

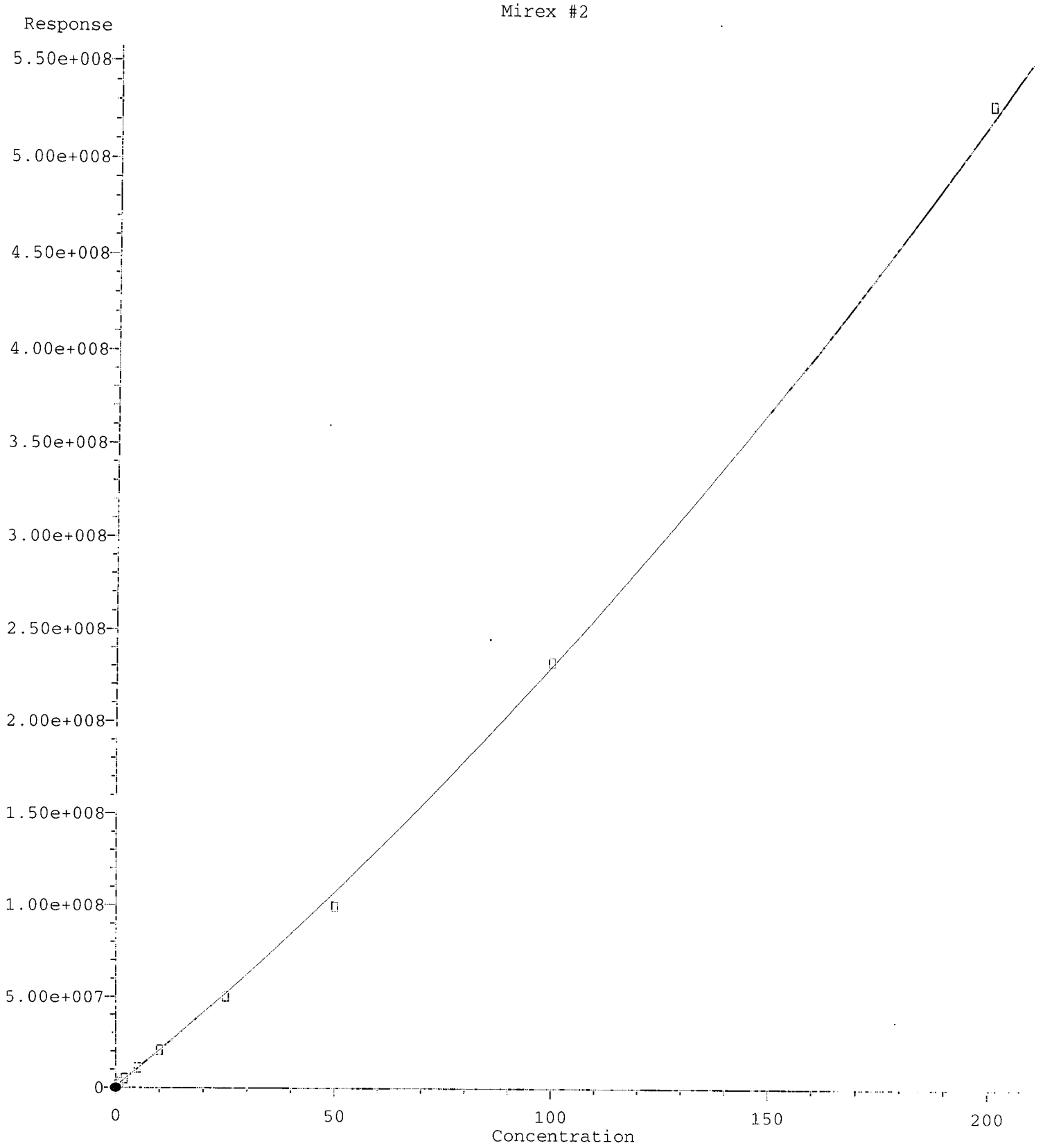
MJB 3/17/2.

(30) cis-Nonachlor #2

8.784min -0.039 ng/mL (m)

response 64444

(+) = Expected Retention Time

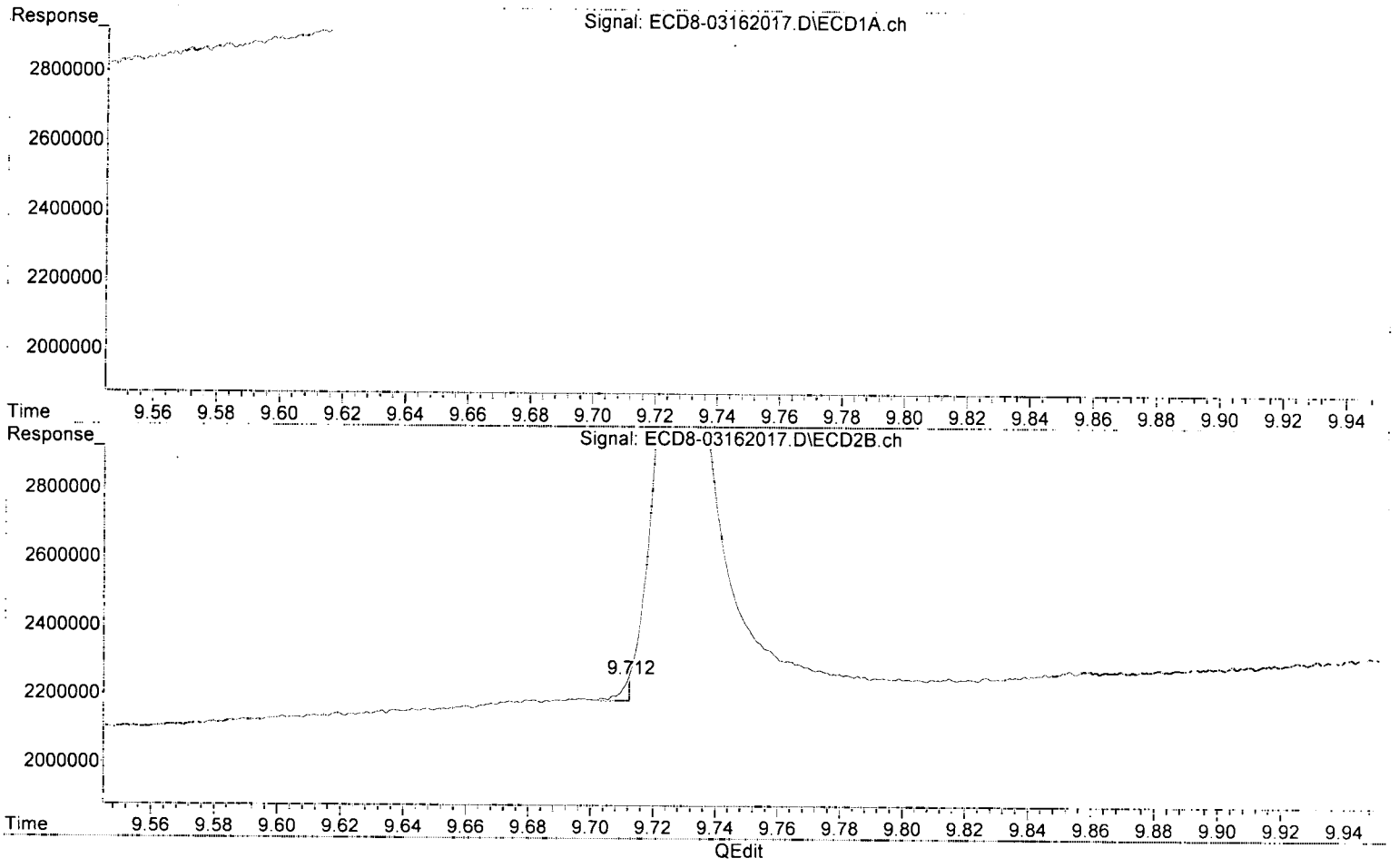


R = 3.24e+003 A*A + 1.97e+006 A + 7.17e+005
Coef of Det (r^2) = 0.9998
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex

8.861min 0.592 ng/mL

response 1353238

MJB 3/17/20

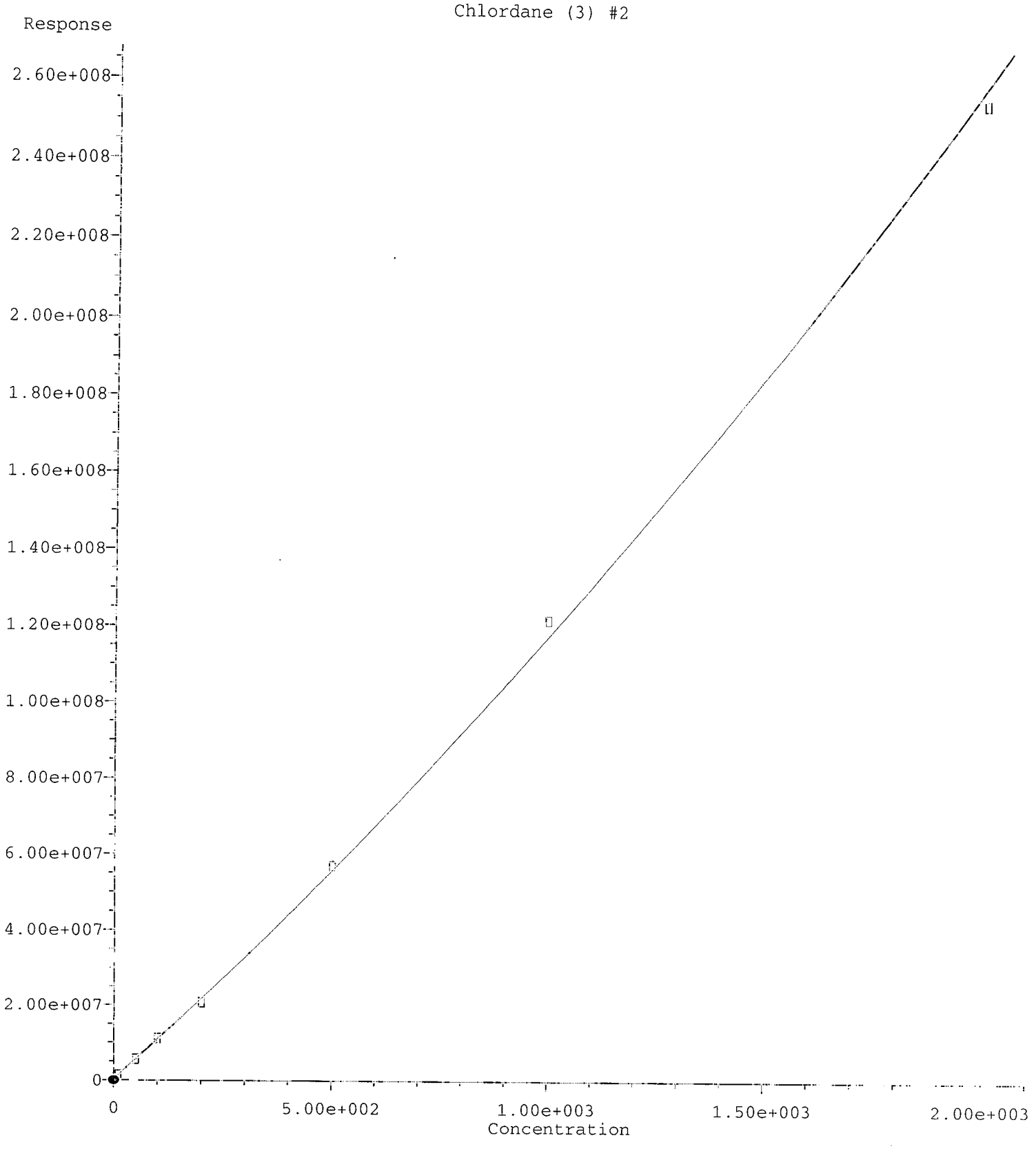
(31) Mirex #2

9.712min -0.332 ng/mL (m)

response 64991

(+) = Expected Retention Time

ECD8_QUANTPEST_200316.M Tue Mar 17 13:06:48 2020 Page: 1

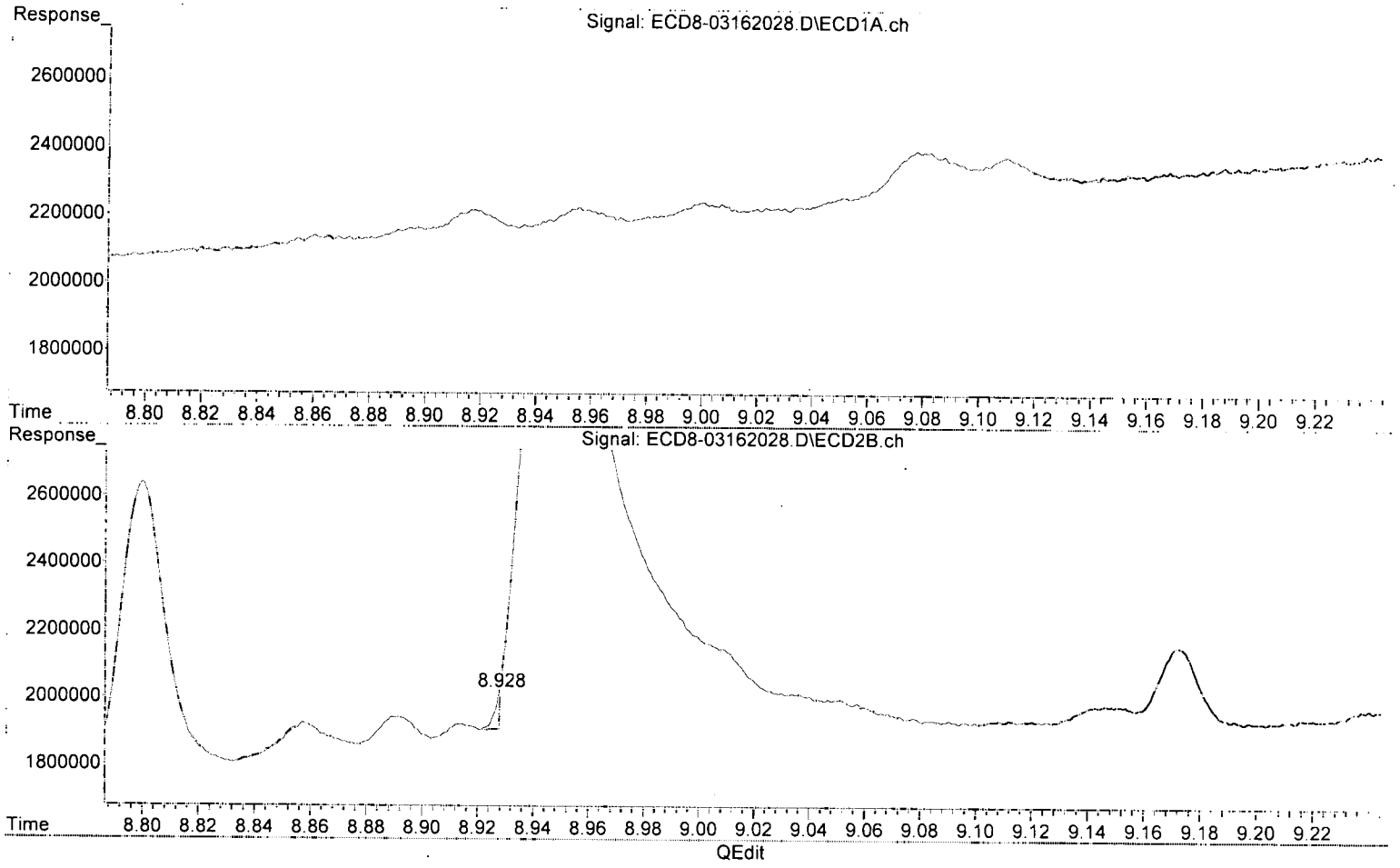


R = 1.25e+001 A*A + 1.04e+005 A + 3.62e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic, Origin Ignored
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:30
Operator : MJB
Sample : 0C16047-CALJ
Misc : A20C232, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



(34) Chlordane (3)

8.270min 10.317 ng/mL

response 1163576

MJB 3/17/20

(34) Chlordane (3) #2

8.928min -2.399 ng/mL (m)

response 111552

(+) = Expected Ratio Out

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:02
Operator : MJB
Sample : 0C16047-ICB1
Misc : A20B383
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

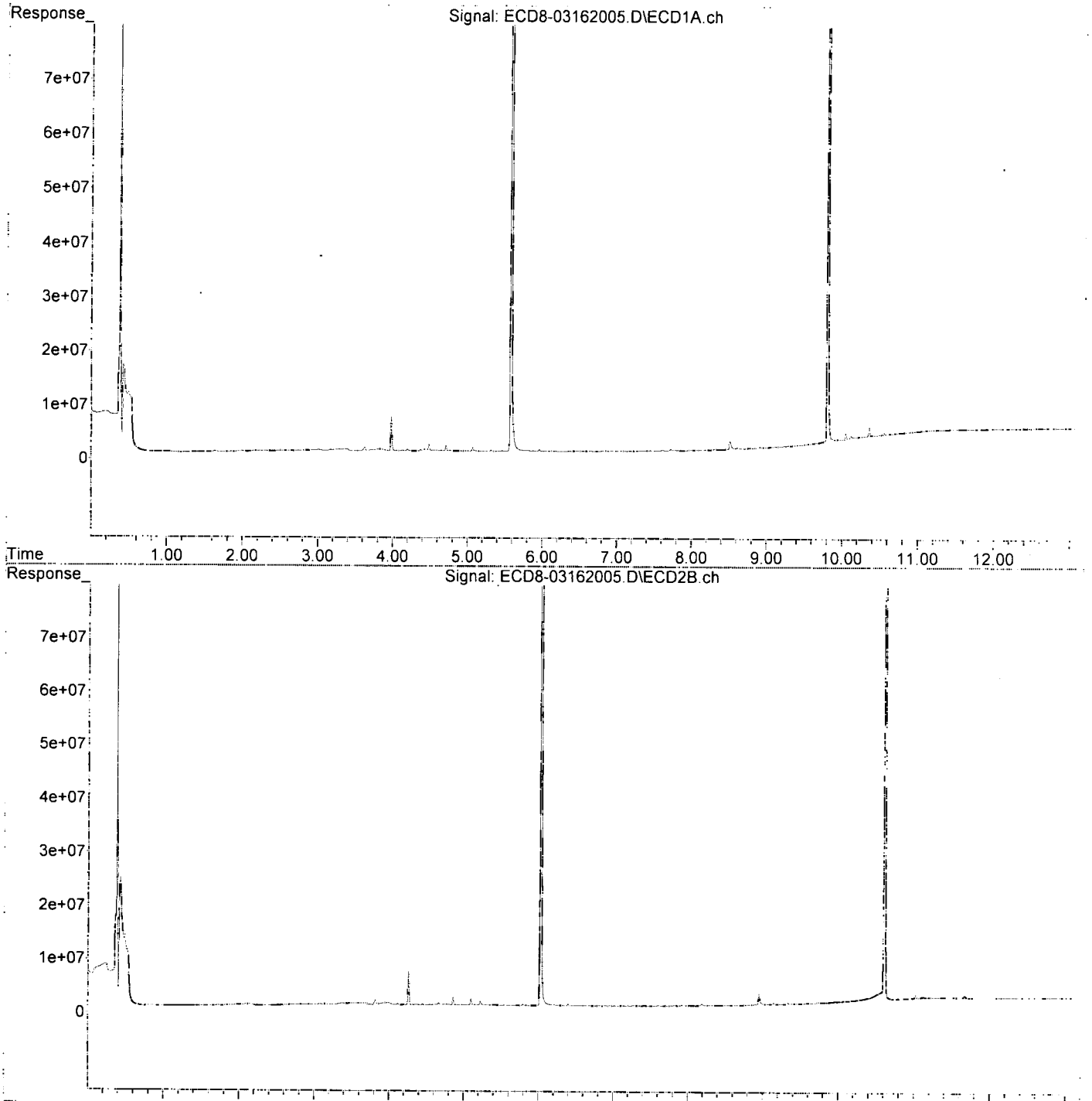
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.581	6.025	307.0E6	364.9E6	97.143	99.072	
22)	S	DCBP (S)	9.810	10.608	210.2E6	201.3E6	96.452	98.523	
		Target Compounds							
2)		a-BHC	6.121	6.633	47707	47005	0.011	0.057	#
3)		g-BHC	6.404	6.952	21040	60119	0.006	0.016	#
4)		b-BHC	6.472	7.016	104841	44719	BelowCal	0.027	
5)		Heptachlor	6.822	7.325	65846	69482	0.019	0.020	
6)		d-BHC	6.641	7.271	101707	136033	0.012	0.039	#
7)		Aldrin	7.066	7.590	46352	45777	0.014	0.012	
8)		Heptachlo...	7.529	8.029	43405	49039	0.014	0.014	
9)		trans-Chl...	7.623	8.189f	84300	380406	0.027	BelowCal	#
10)		cis-Chlor...	7.724	8.277	298385	81305	0.096	0.024	#
11)		Endosulfa...	7.819	8.329	55623	65032	0.019	0.021	
12)		4,4'-DDE	7.779	8.387	96029	69794	0.036	BelowCal	#
13)		Dieldrin	7.993	8.531	56295	75920	0.017	BelowCal	#
14)		Endrin	8.164	8.760	38094	40706	0.015	0.003	#
15)		4,4'-DDD	8.207	8.805	46033	59245	0.022	BelowCal	#
16)		Endosulfa...	8.320	8.909	114571	147773	0.046	BelowCal	#
17)		4,4'-DDT	8.406	9.029	32171	143968	BelowCal	BelowCal	
18)		Endrin Al...	8.612	9.146	358529	340225	0.154	0.132	
19)		Endosulfa...	8.916	9.335	255365	312029	0.103	0.117	
20)		Methoxychlor	8.742	9.515	93915	112934	BelowCal	BelowCal	
21)		Endrin Ke...	9.114	9.739	170544	305191	0.058	BelowCal	#
23)		Hexachlor...	3.354	3.743f	331434	92785	0.096	BelowCal	#
24)		Hexachlor...	5.964	6.489	372921	22856	0.118	BelowCal	#
25)		Oxychlordane	7.449	7.964	120569	22550	0.042	0.007	#
26)		2,4'-DDE	7.529	8.189f	43405	380406	0.023	0.122	#
27)		trans-Non...	7.724	8.242	298385	44485	0.095	BelowCal	#
28)		2,4'-DDD	0.000	8.531	0	75920	N.D.	BelowCal	
29)		2,4'-DDT	8.084	8.760	11168	40706	0.006	BelowCal	#
30)		cis-Nonac...	8.191	8.805	12080	59245	0.003	BelowCal	#
31)		Mirex	8.857	9.739	60105	305191	0.026	BelowCal	#
32)		Chlordane...	7.623	8.189f	84300	380406	0.243	0.860	#
33)		Chlordane...	7.724	8.277	298385	81305	0.713	0.211	#
34)		Chlordane...	8.275	8.948	8716	2157384	0.077	17.163	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.724f	8.490	298385	8584	21.950	0.275	#
37)		Toxaphene...	7.993	8.826f	56295	39249	2.019	0.966	#
38)		Toxaphene...	8.301	8.889	123820	142173	2.018	2.228	
39)		Toxaphene...	8.516f	8.948	1587481	2157384	25.968	20.462	
40)		Toxaphene...	8.769	9.146	60617	340225	1.265	5.960	#
41)		Toxaphene...	8.837	9.515	46831	112934	0.775	1.846	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:02
Operator : MJB
Sample : 0C16047-ICB1
Misc : A20B383
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:03 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:55
Operator : MJB
Sample : 0C16047-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

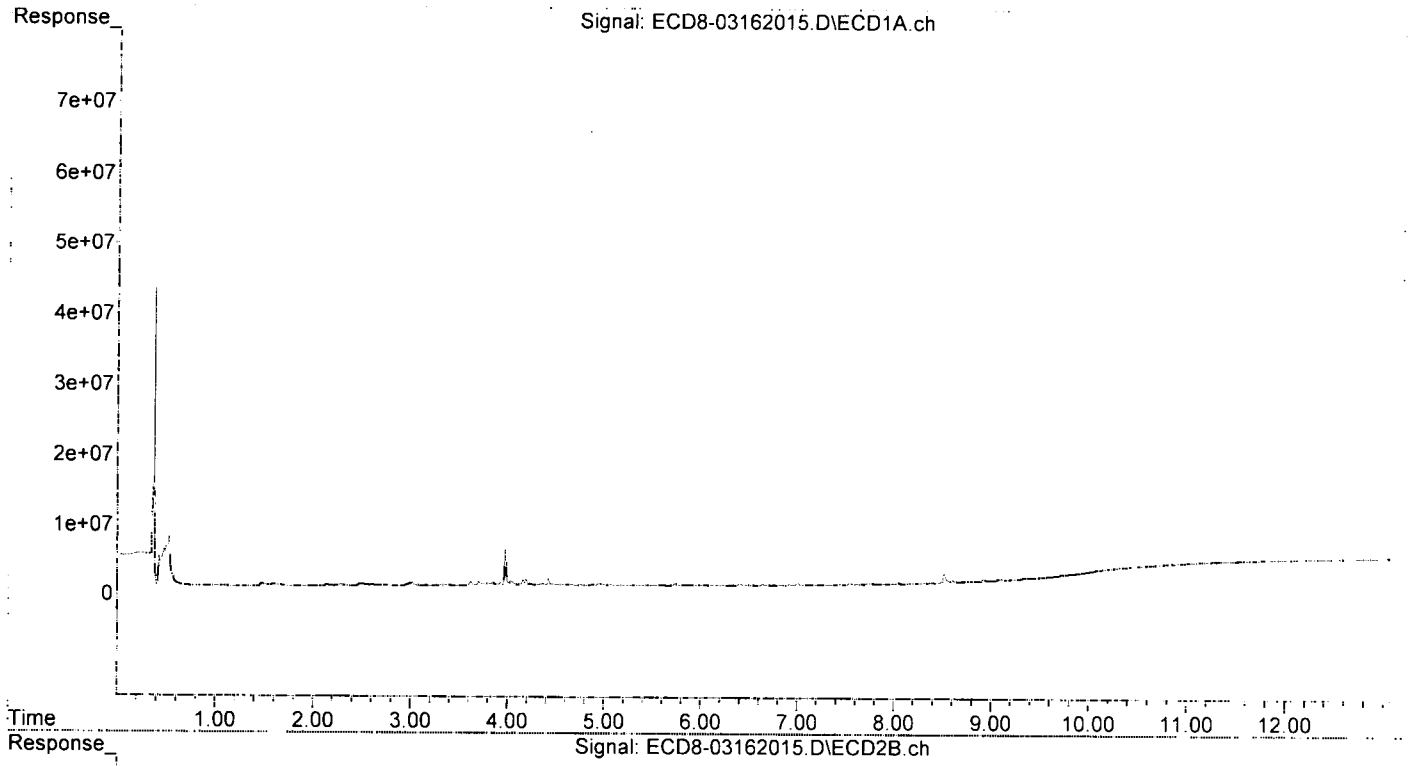
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.021	83989	140260	0.027	0.038	#
22)	S	DCBP (S)	9.808	10.605	411147	387626	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.117	6.615	57263	93963	0.013	0.068	#
3)		g-BHC	6.404	6.949	242302	39524	0.066	0.010	#
4)		b-BHC	6.467	7.016	83674	83185	BelowCal	0.051	
5)		Heptachlor	6.836	7.303	78220	296522	0.023	0.084	#
6)		d-BHC	6.643	7.270	175309	185414	0.041	0.054	#
7)		Aldrin	7.062	7.587	43823	63950	0.013	0.017	#
8)		Heptachlo...	7.545f	8.028	202010	82913	0.063	0.024	#
9)		trans-Chl...	7.622	8.169	68363	109421	0.022	BelowCal	#
10)		cis-Chlor...	7.730	8.298f	174794	40822	0.056	0.012	#
11)		Endosulfa...	7.819	8.326	87894	87586	0.030	0.028	
12)		4,4'-DDE	7.779	8.385	142361	93967	0.053	0.008	#
13)		Dieldrin	7.991	8.527	77325	91105	0.024	0.003	#
14)		Endrin	8.161	8.755	31461	46581	0.012	0.005	#
15)		4,4'-DDD	8.206	8.804	61821	79311	0.030	BelowCal	#
16)		Endosulfa...	8.318	8.905	143827	200083	0.058	BelowCal	#
17)		4,4'-DDT	8.404	9.026	37986	177368	BelowCal	BelowCal	
18)		Endrin Al...	8.609	9.143	406104	422054	0.174	0.163	
19)		Endosulfa...	8.916	9.334	320157	375251	0.130	0.141	
20)		Methoxychlor	8.741	9.513	63481	104546	BelowCal	BelowCal	
21)		Endrin Ke...	9.111	9.737	254628	389658	0.087	BelowCal	#
23)		Hexachlor...	3.365	3.741	123317	525372	0.036	0.065	#
24)		Hexachlor...	5.951	6.477	49621	86665	0.016	BelowCal	#
25)		Oxychlordane	7.444	7.968	97575	9479	0.034	0.003	#
26)		2,4'-DDE	7.504f	8.169	7488	109421	0.004	BelowCal	#
27)		trans-Non...	7.691	8.241	6529	289796	0.002	BelowCal	#
28)		2,4'-DDD	7.893	8.527	45451	91105	0.030	BelowCal	#
29)		2,4'-DDT	8.105f	8.755	6522	46581	0.003	BelowCal	#
30)		cis-Nonac...	8.188	8.804	5805	79311	0.002	BelowCal	#
31)		Mirex	8.856	9.737	19252	389658	0.008	BelowCal	#
32)		Chlordane...	7.622	8.169	68363	109421	0.197	0.247	#
33)		Chlordane...	7.730	8.298f	174794	40822	0.418	0.106	#
34)		Chlordane...	8.270	8.952	20622	1711941	0.183	12.912	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.691	8.498	6529	20032	0.480	0.643	#
37)		Toxaphene...	7.991	8.853	77325	18841	2.773	0.464	#
38)		Toxaphene...	8.301	8.888	67151	92956	1.094	1.456	#
39)		Toxaphene...	8.519f	8.952	1360345	1711941	22.253	16.237	#
40)		Toxaphene...	8.802f	9.143	30892	422054	0.645	7.394	#
41)		Toxaphene...	8.856	9.513	19252	104546	0.319	1.709	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

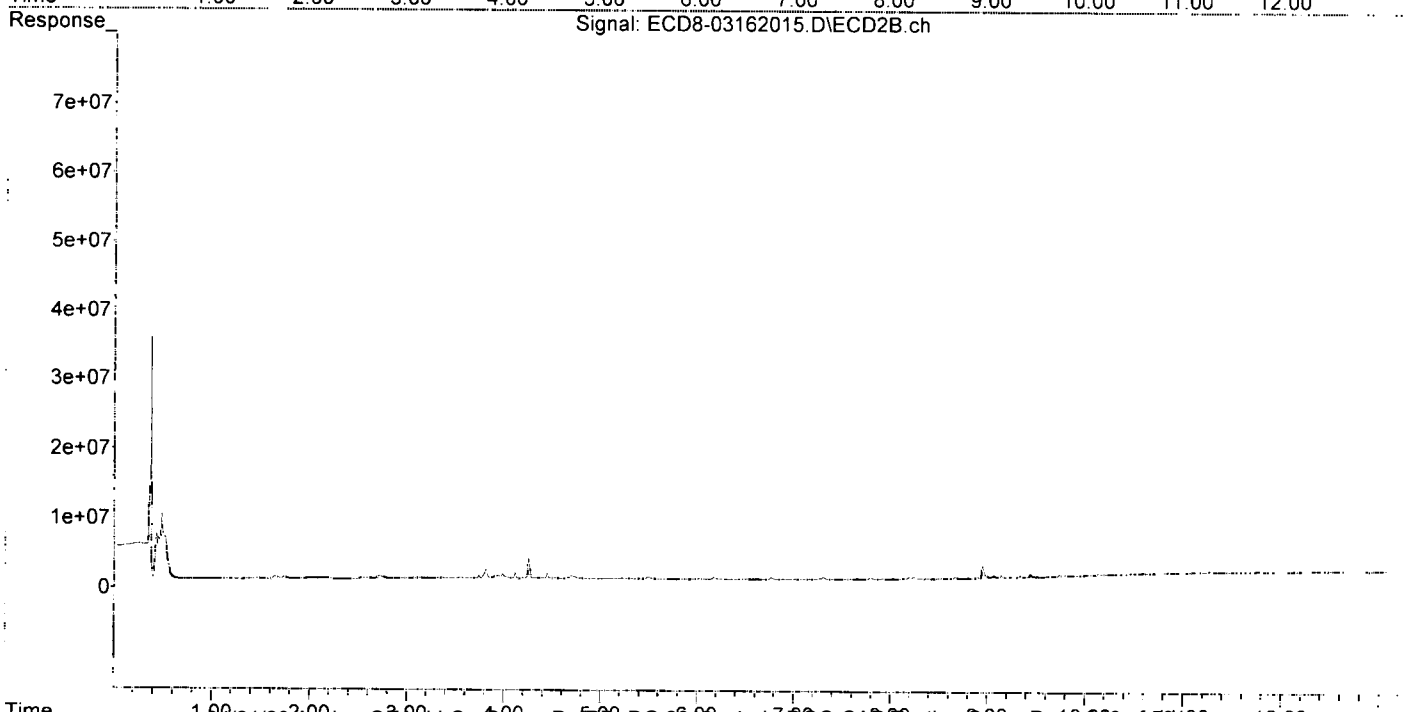
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:55
Operator : MJB
Sample : 0C16047-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:12
Operator : MJB
Sample : 0C16047-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

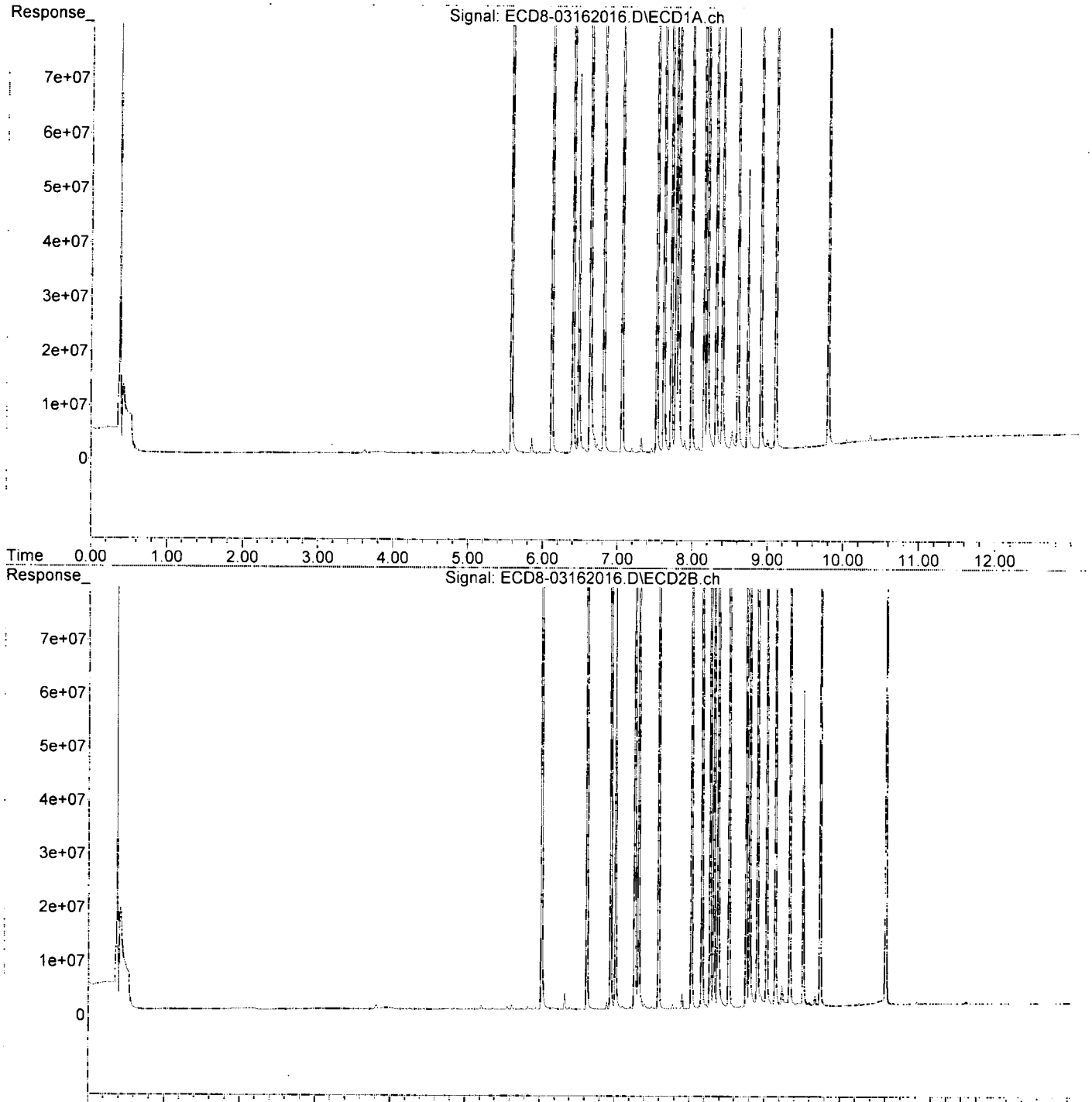
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.579	6.023	152.1E6	187.7E6	48.140	50.956	
22)	S	DCBP (S)	9.807	10.605	108.9E6	102.8E6	50.004	52.049	
		Target Compounds							
2)		a-BHC	6.121	6.630	216.8E6	249.3E6	50.830	52.512	
3)		g-BHC	6.405	6.948	192.9E6	221.3E6	52.871	57.131	
4)		b-BHC	6.481	7.012	69769583	85879011	55.182	52.478	
5)		Heptachlor	6.817	7.322	172.2E6	187.8E6	50.874	53.508	
6)		d-BHC	6.633	7.267	143.1E6	194.2E6	51.617	53.958	
7)		Aldrin	7.061	7.588	176.6E6	208.1E6	51.859	55.141	
8)		Heptachlo...	7.524	8.027	158.2E6	182.8E6	49.435	53.640	
9)		trans-Chl...	7.620	8.168	156.5E6	180.5E6	50.039	53.032	
10)		cis-Chlor...	7.717	8.275	156.2E6	178.3E6	50.084	52.091	
11)		Endosulfa...	7.817	8.326	148.0E6	170.2E6	50.198	54.104	
12)		4,4'-DDE	7.776	8.383	137.1E6	179.3E6	51.041	54.712	
13)		Dieldrin	7.990	8.527	169.0E6	191.3E6	51.535	53.609	
14)		Endrin	8.157	8.756	137.6E6	149.3E6	52.885	55.814	
15)		4,4'-DDD	8.202	8.800	110.1E6	132.6E6	53.116	55.926	
16)		Endosulfa...	8.315	8.904	130.5E6	149.9E6	52.384	56.547	
17)		4,4'-DDT	8.400	9.027	116.6E6	133.2E6	56.248	58.333	
18)		Endrin Al...	8.607	9.142	110.9E6	129.3E6	47.569	50.073	
19)		Endosulfa...	8.913	9.333	128.0E6	144.0E6	51.847	54.088	
20)		Methoxychlor	8.737	9.511	51674672	58837001	54.634	56.062	
21)		Endrin Ke...	9.110	9.736	144.6E6	149.5E6	49.439	55.110	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.962	6.487	363370	11830	0.115	BelowCal	#
25)		Oxychlordane	7.460	7.953	775187	43269	0.270	0.013	#
26)		2,4'-DDE	7.524	8.168	158.2E6	180.5E6	85.554	74.571	
27)		trans-Non...	7.717	8.229	156.2E6	720712	49.734	0.115	#
28)		2,4'-DDD	7.899	8.527	2099214	191.3E6	1.365	95.989	#
29)		2,4'-DDT	8.082	8.756	790822	149.3E6	0.418	69.237	#
30)		cis-Nonac...	8.202	8.800	110.1E6	132.6E6	31.880	34.179	
31)		Mirex	8.861	9.736	342995	149.5E6	0.150	67.963	#
32)		Chlordane...	7.620	8.168	156.5E6	180.5E6	451.330	407.792	
33)		Chlordane...	7.717	8.275	156.2E6	178.3E6	373.100	463.653	
34)		Chlordane...	0.000	8.948	0	2579302	N.D.	21.186	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.717f	8.527f	156.2E6	191.3E6	11490.309	6136.657	#
37)		Toxaphene...	7.990	0.000	169.0E6	0	6061.183	N.D.	#
38)		Toxaphene...	8.315	8.904	130.5E6	149.9E6	2126.929	2348.806	
39)		Toxaphene...	8.532	8.948	3533512	2579302	57.802	24.464	#
40)		Toxaphene...	8.737f	9.142	51674672	129.3E6	1078.125	2265.037	#
41)		Toxaphene...	8.849	9.511	316438	58837001	5.236	961.732	#
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\2020-03\0C16047\
Data File : ECD8-03162016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:12
Operator : MJB
Sample : 0C16047-ICV1
Misc : A20C164, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:12 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:57
Operator : MJB
Sample : 0C16047-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

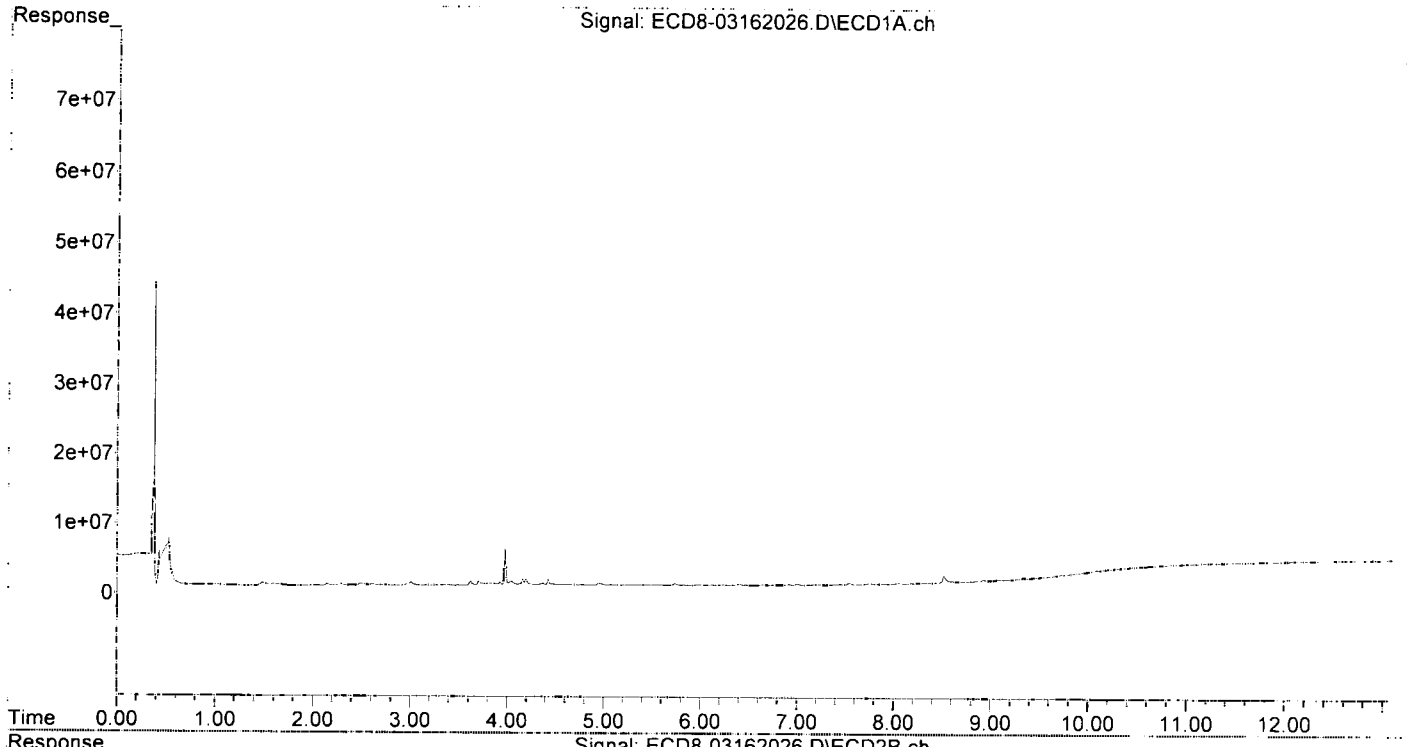
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.578	6.016	44893	102493	0.014	0.028	#
22)	S	DCBP (S)	9.806	10.605	188702	266227	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.112	6.613	50035	72662	0.012	0.063	#
3)		g-BHC	6.402	6.947	220023	21644	0.060	0.006	#
4)		b-BHC	6.468	7.014	73327	67120	BelowCal	0.041	
5)		Heptachlor	6.833	7.304	66174	281160	0.020	0.080	#
6)		d-BHC	6.643	7.268	121414	96939	0.019	0.026	#
7)		Aldrin	7.064	7.586	11852	36530	0.003	0.010	#
8)		Heptachlo...	7.542	8.028	215753	36187	0.067	0.011	#
9)		trans-Chl...	7.619	8.161	37748	113739	0.012	BelowCal	#
10)		cis-Chlor...	7.706	0.000	101712	0	0.033	N.D.	#
11)		Endosulfa...	7.815	8.328	52983	28378	0.018	0.009	#
12)		4,4'-DDE	7.769	8.382	109218	14193	0.041	BelowCal	#
13)		Dieldrin	7.989	8.535	33493	93674	0.010	0.004	#
14)		Endrin	8.158	8.759	20068	55088	0.008	0.009	
15)		4,4'-DDD	8.211	8.798	12573	157997	0.006	0.012	#
16)		Endosulfa...	8.316	8.903	55306	86498	0.022	BelowCal	#
17)		4,4'-DDT	8.399	9.063f	18742	306717	BelowCal	0.033	
18)		Endrin Al...	8.610	9.142	178596	163720	0.077	0.063	
19)		Endosulfa...	8.923	9.332	178460	168477	0.072	0.063	
20)		Methoxychlor	8.738	9.514	25855	80093	BelowCal	BelowCal	
21)		Endrin Ke...	9.110	9.734	133408	286971	0.046	BelowCal	#
23)		Hexachlor...	3.370	3.742	106664	533924	0.031	0.067	#
24)		Hexachlor...	5.961	6.488	117610	169596	0.037	BelowCal	#
25)		Oxychlordane	7.447	7.955	129968	82131	0.045	0.025	#
26)		2,4'-DDE	7.542	8.161	215753	113739	0.117	BelowCal	#
27)		trans-Non...	7.706	8.234	101712	342420	0.032	BelowCal	#
28)		2,4'-DDD	7.898	8.535	84027	93674	0.055	BelowCal	#
29)		2,4'-DDT	8.080	8.759	47744	55088	0.025	BelowCal	#
30)		cis-Nonac...	8.181	8.798	113562	157997	0.033	BelowCal	#
31)		Mirex	8.858	9.734	88376	286971	0.039	BelowCal	#
32)		Chlordane...	7.619	8.161	37748	113739	0.109	0.257	#
33)		Chlordane...	7.706	8.234f	101712	342420	0.243	0.890	#
34)		Chlordane...	8.269	8.926	11439	42541	0.101	BelowCal	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.706	8.487	101712	14395	7.482	0.462	#
37)		Toxaphene...	7.989	8.855	33493	15987	1.201	0.393	#
38)		Toxaphene...	8.298	8.885	53148	84113	0.866	1.318	#
39)		Toxaphene...	8.521f	8.953	1001829	1403462	16.388	13.311	
40)		Toxaphene...	8.773	9.142	11165	163720	0.233	2.868	#
41)		Toxaphene...	8.858	9.514	88376	80093	1.462	1.309	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

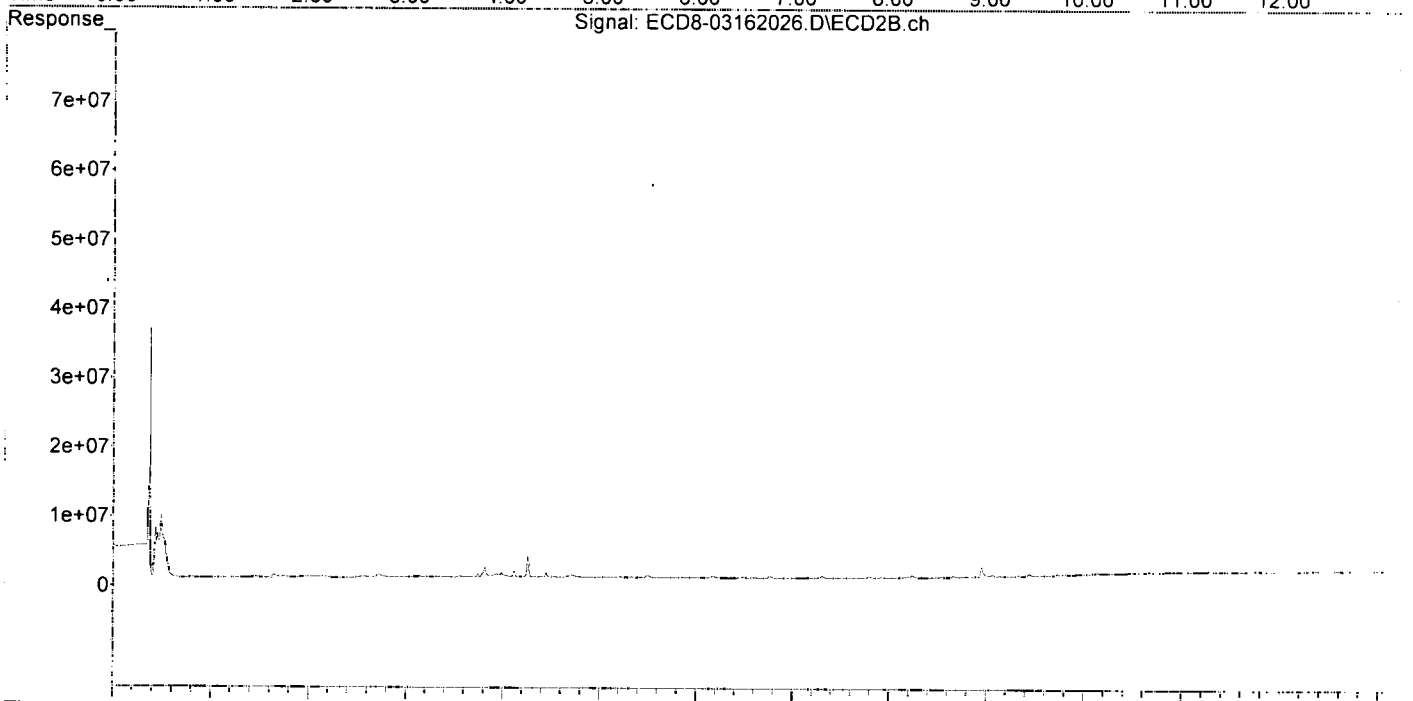
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:57
Operator : MJB
Sample : 0C16047-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:13
Operator : MJB
Sample : 0C16047-ICV2
Misc : A19J410, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

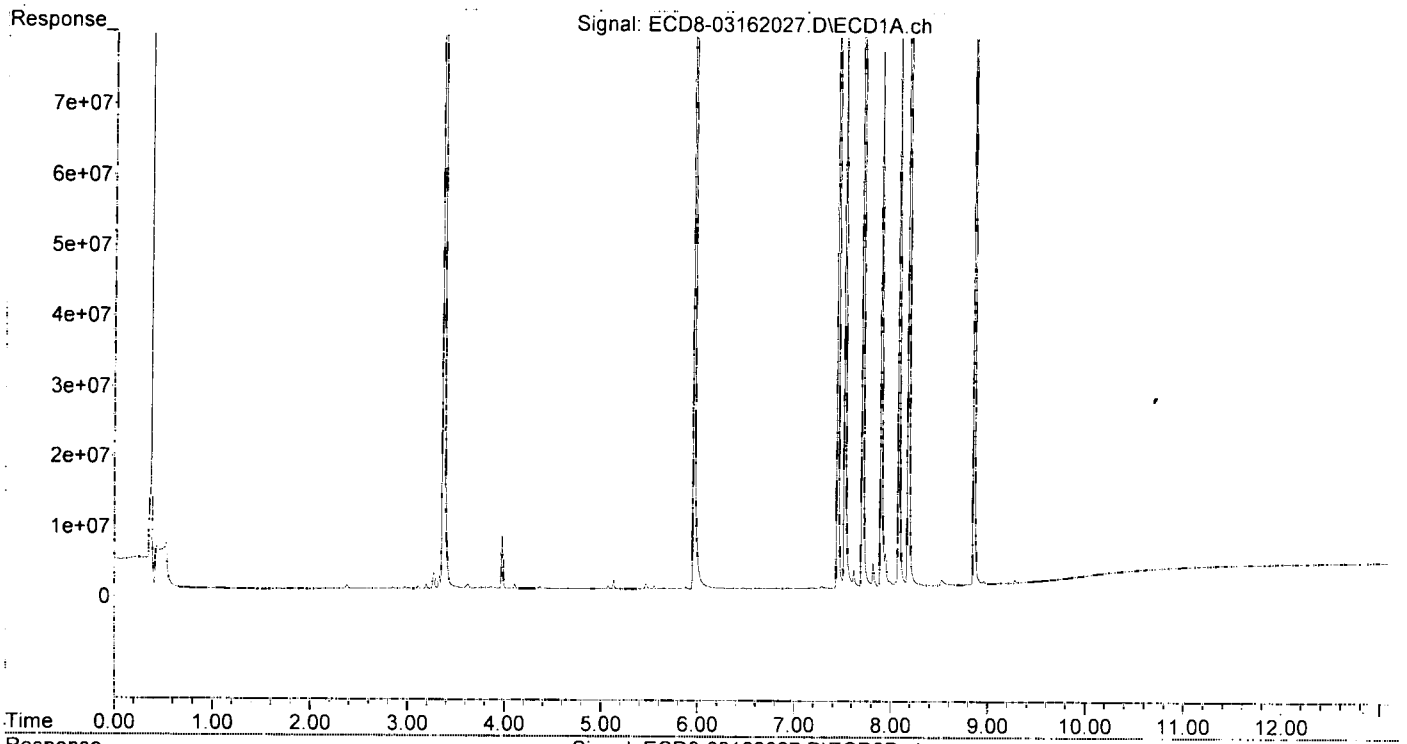
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.576	6.015	31189	41317	0.010	0.011	
22)	S DCBP (S)	9.806	10.610	270946	57801	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.384f	6.948	114382	30602	0.031	0.008	#
4)	b-BHC	6.470	7.015	150633	59046	BelowCal	0.036	
5)	Heptachlor	6.818	7.321	129420	125293	0.038	0.036	
6)	d-BHC	6.640	7.270	78019	118857	0.002	0.033	#
7)	Aldrin	7.062	7.587	21418	15311	0.006	0.004	#
8)	Heptachlo...	7.524	0.000	93631568	0	29.263	N.D.	#
9)	trans-Chl...	7.619	8.160	2520654	122.3E6	0.806	36.969	#
10)	cis-Chlor...	7.707	8.274	160.2E6	4797265	51.378	1.402	#
11)	Endosulfa...	7.818	8.341	3338488	410689	1.132	0.131	#
12)	4,4'-DDE	0.000	8.387	0	3195182	N.D.	1.055	#
13)	Dieldrin	7.989	8.534	614315	98074543	0.187	28.616	#
14)	Endrin	8.182f	8.759	168.6E6	107.4E6	64.786	41.294	#
15)	4,4'-DDD	8.182f	8.798	168.6E6	201.0E6	81.293	80.748	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.399	0.000	41700	0	BelowCal	N.D.	
18)	Endrin Al...	8.610	9.144	149130	97185	0.064	0.038	#
19)	Endosulfa...	0.000	9.334	0	57750	N.D.	0.022	#
20)	Methoxychlor	8.755	0.000	9197	0	BelowCal	N.D.	
21)	Endrin Ke...	9.110	9.726	89763	108.5E6	0.031	41.100	#
23)	Hexachlor...	3.370	3.724	183.0E6	237.0E6	52.762	54.392	
24)	Hexachlor...	5.961	6.489	153.0E6	178.9E6	48.213	49.976	
25)	Oxychlordane	7.451	7.954	144.3E6	172.0E6	50.193	52.895	
26)	2,4'-DDE	7.524	8.160	93631568	122.3E6	50.644	52.490	
27)	trans-Non...	7.707	8.229	160.2E6	185.6E6	51.019	53.274	
28)	2,4'-DDD	7.899	8.534	76113587	98074543	49.488	52.936	
29)	2,4'-DDT	8.083	8.759	95212902	107.4E6	50.341	51.636	
30)	cis-Nonac...	8.182	8.798	168.6E6	201.0E6	48.792	50.297	
31)	Mirex	8.859	9.726	107.3E6	108.5E6	46.967	50.568	
32)	Chlordane...	7.619	8.160	2520654	122.3E6	7.270	276.287	#
33)	Chlordane...	7.707	8.274	160.2E6	4797265	382.740	12.475	#
34)	Chlordane...	0.000	8.956	0	1324259	N.D.	9.208	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.707	8.534f	160.2E6	98074543	11787.172	3146.521	#
37)	Toxaphene...	7.989	0.000	614315	0	22.033	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.528	8.956	845721	1324259	13.834	12.560	
40)	Toxaphene...	8.755f	9.144	9197	97185	0.192	1.703	#
41)	Toxaphene...	8.859	0.000	107.3E6	0	1775.374	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

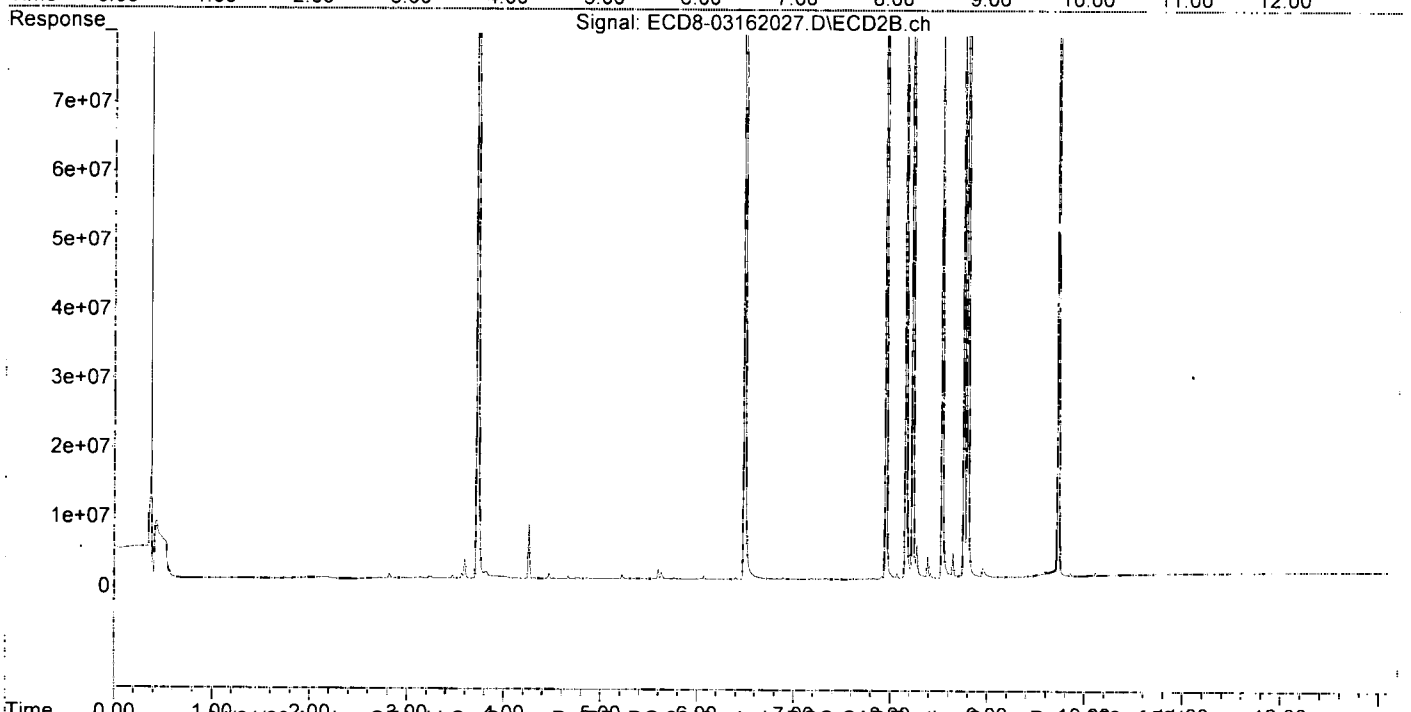
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:13
Operator : MJB
Sample : 0C16047-ICV2
Misc : A19J410, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:26
Operator : MJB
Sample : 0C16047-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/12.

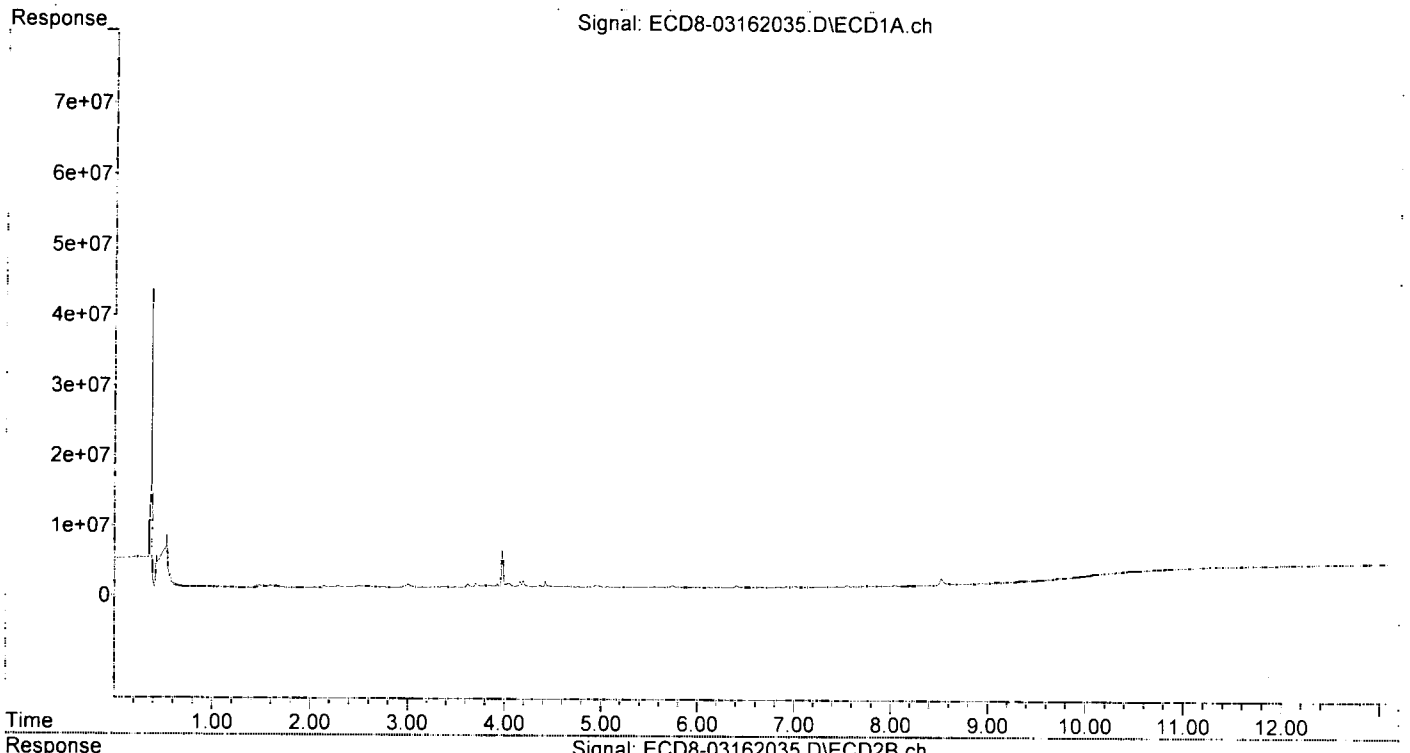
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.578	6.015	33554	111512	0.011	0.030	#
22)	S	DCBP (S)	9.807	10.607	249765	231168	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.111	6.613	50877	79408	0.012	0.064	#
3)		g-BHC	6.406	6.949	211748	19068	0.058	0.005	#
4)		b-BHC	6.468	7.015	74705	56200	BelowCal	0.034	
5)		Heptachlor	6.816	7.310	26290	259969	0.008	0.074	#
6)		d-BHC	6.644	7.269	95149	73282	0.009	0.019	#
7)		Aldrin	7.064	7.586	14430	27055	0.004	0.007	#
8)		Heptachlo...	7.546f	8.031	195200	30011	0.061	0.009	#
9)		trans-Chl...	7.620	8.167	66886	106055	0.021	BelowCal	#
10)		cis-Chlor...	7.736	0.000	106437	0	0.034	N.D.	#
11)		Endosulfa...	7.819	8.325	41718	28043	0.014	0.009	#
12)		4,4'-DDE	7.753f	8.389	115420	16320	0.043	BelowCal	#
13)		Dieldrin	7.991	8.527	24205	34751	0.007	BelowCal	#
14)		Endrin	8.156	8.757	17799	23364	0.007	BelowCal	#
15)		4,4'-DDD	8.194	8.802	7128	38106	0.003	BelowCal	#
16)		Endosulfa...	8.318	8.905	46762	75331	0.019	BelowCal	#
17)		4,4'-DDT	8.399	9.063f	16812	297894	BelowCal	0.029	
18)		Endrin Al...	8.606	9.143	178764	149251	0.077	0.058	
19)		Endosulfa...	8.929	9.334	170318	138884	0.069	0.052	
20)		Methoxychlor	8.740	9.509	32761	71307	BelowCal	BelowCal	
21)		Endrin Ke...	9.110	9.736	113315	214886	0.039	BelowCal	#
23)		Hexachlor...	3.368	3.741	109831	557063	0.032	0.073	#
24)		Hexachlor...	5.948	6.479	43444	80435	0.014	BelowCal	#
25)		Oxychlordane	7.444	7.954	98541	16222	0.034	0.005	#
26)		2,4'-DDE	7.546f	8.167	195200	106055	0.106	BelowCal	#
27)		trans-Non...	7.687f	8.235	8825	311945	0.003	BelowCal	#
28)		2,4'-DDD	7.893	8.527	45135	34751	0.029	BelowCal	#
29)		2,4'-DDT	8.096	8.757	13347	23364	0.007	BelowCal	#
30)		cis-Nonac...	8.179	8.802	18620	38106	0.005	BelowCal	#
31)		Mirex	8.855	9.736	19766	214886	0.009	BelowCal	#
32)		Chlordane...	7.620	8.167	66886	106055	0.193	0.240	
33)		Chlordane...	7.736f	8.235f	106437	311945	0.254	0.811	#
34)		Chlordane...	8.270	8.953	27248	1411475	0.242	10.042	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.687	8.504	8825	12874	0.649	0.413	#
37)		Toxaphene...	7.991	8.852	24205	18128	0.868	0.446	#
38)		Toxaphene...	8.299	8.886	60189	95795	0.981	1.501	#
39)		Toxaphene...	8.523f	8.953	995832	1411475	16.290	13.387	
40)		Toxaphene...	8.758	9.143	17341	149251	0.362	2.615	#
41)		Toxaphene...	8.833	9.509	16545	71307	0.274	1.166	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

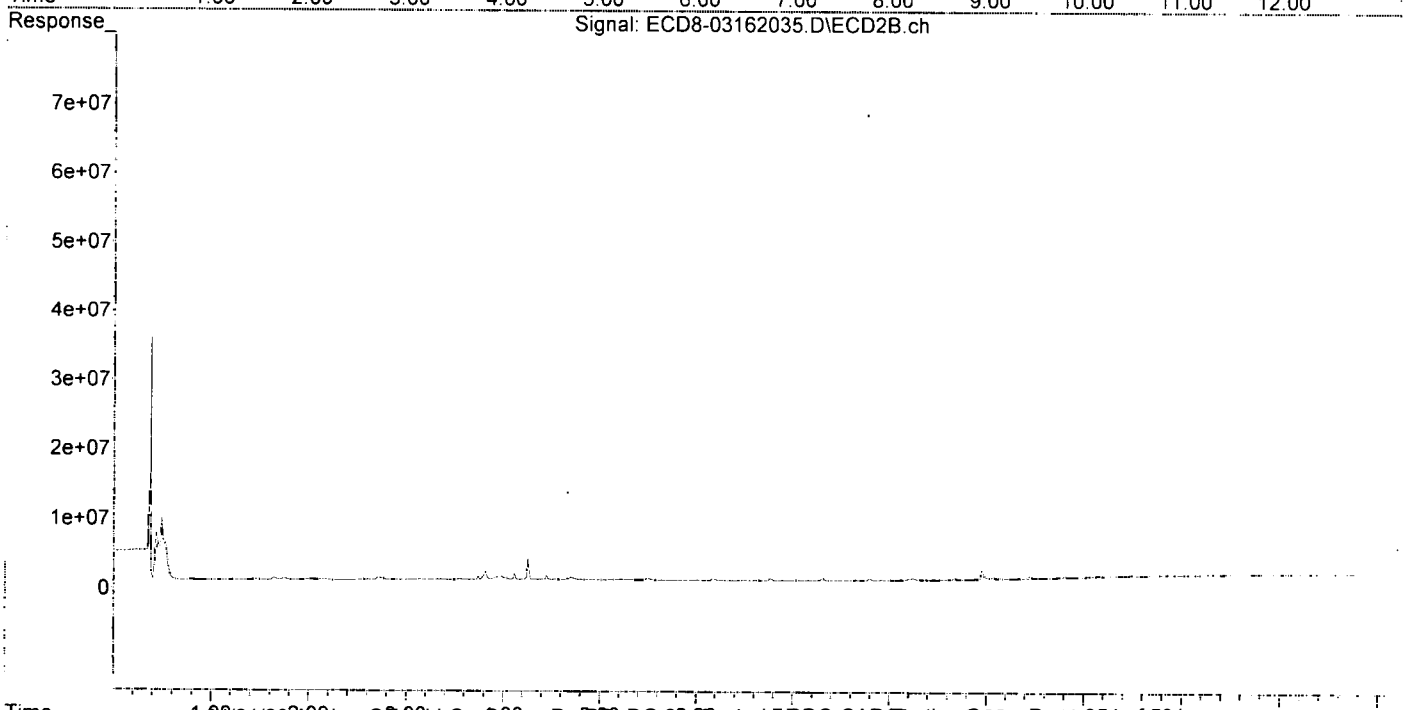
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:26
Operator : MJB
Sample : 0C16047-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:42
Operator : MJB
Sample : 0C16047-ICV3
Misc : A19K312, CHLOR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:28 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.578	6.036	94941	148949	0.030	0.040	#
22)	S	DCBP (S)	9.819	10.615	439938	190933	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.107	6.655f	136330	4425631	0.032	1.039	#
3)		g-BHC	6.417	6.955	231892	1877591	0.064	0.485	#
4)		b-BHC	6.505f	7.048f	2217103	6519258	1.751	3.984	#
5)		Heptachlor	6.815	7.320	92235392	97932564	27.245	27.898	
6)		d-BHC	6.622	7.270	937411	414657	0.346	0.125	#
7)		Aldrin	7.064	7.593	1177477	1194362	0.346	0.316	
8)		Heptachlo...	7.529	8.045	13537314	5474635	4.231	1.606	#
9)		trans-Chl...	7.619	8.166	184.9E6	239.0E6	59.123	68.359	
10)		cis-Chlor...	7.713	8.275	223.1E6	206.4E6	71.526	60.288	
11)		Endosulfa...	7.832	8.346f	5116871	3822514	1.735	1.215	#
12)		4,4'-DDE	7.772	8.370	6393592	5278373	2.380	1.756	#
13)		Dieldrin	8.003	8.526	5970078	20483098	1.821	6.188	#
14)		Endrin	8.142	8.773	3239200	2851876	1.245	1.177	
15)		4,4'-DDD	8.180f	8.799	33040041	36801602	15.933	16.804	
16)		Endosulfa...	8.317	8.915	4016829	4230789	1.612	1.675	
17)		4,4'-DDT	8.385	9.037	1068942	1740228	0.456	0.768	#
18)		Endrin Al...	8.631f	9.112f	1193923	1340395	0.512	0.519	
19)		Endosulfa...	8.917	9.336	2225620	297147	0.902	0.112	#
20)		Methoxychlor	8.731	9.511	1124677	348118	1.037	0.131	#
21)		Endrin Ke...	9.102	9.736	324069	2093630	0.111	0.636	#
23)		Hexachlor...	3.368	3.722	32428	21834	0.009	BelowCal	#
24)		Hexachlor...	5.949	6.508f	126672	64015	0.040	BelowCal	#
25)		Oxychlordane	7.443	7.968	2018026	2933832	0.702	0.902	#
26)		2,4'-DDE	7.529	8.166	13537314	239.0E6	7.322	95.372	#
27)		trans-Non...	7.713	8.229	223.1E6	175.9E6	71.026	50.721	#
28)		2,4'-DDD	7.869f	8.526	15522020	20483098	10.092	11.829	
29)		2,4'-DDT	8.112f	8.773	4980602	2851876	2.633	1.441	#
30)		cis-Nonac...	8.180	8.799	33040041	36801602	9.563	9.900	
31)		Mirex	8.844	9.736	362046	2093630	0.158	0.698	#
32)		Chlordane...	7.619	8.166	184.9E6	239.0E6	533.255	540.021	
33)		Chlordane...	7.713	8.275	223.1E6	206.4E6	532.834	536.606	
34)		Chlordane...	8.268	8.940	59321729	61149715	526.000	546.388	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.713f	8.526f	223.1E6	20483098	16409.607	657.158	#
37)		Toxaphene...	8.003	8.856	5970078	5715497	214.123	140.655	#
38)		Toxaphene...	8.317	8.891	4016829	5653707	65.463	88.583	#
39)		Toxaphene...	8.548	8.940	2686721	61149715	43.950	579.981	#
40)		Toxaphene...	8.757	9.112	1157176	1340395	24.143	23.482	
41)		Toxaphene...	8.844	9.511	362046	348118	5.991	5.690	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

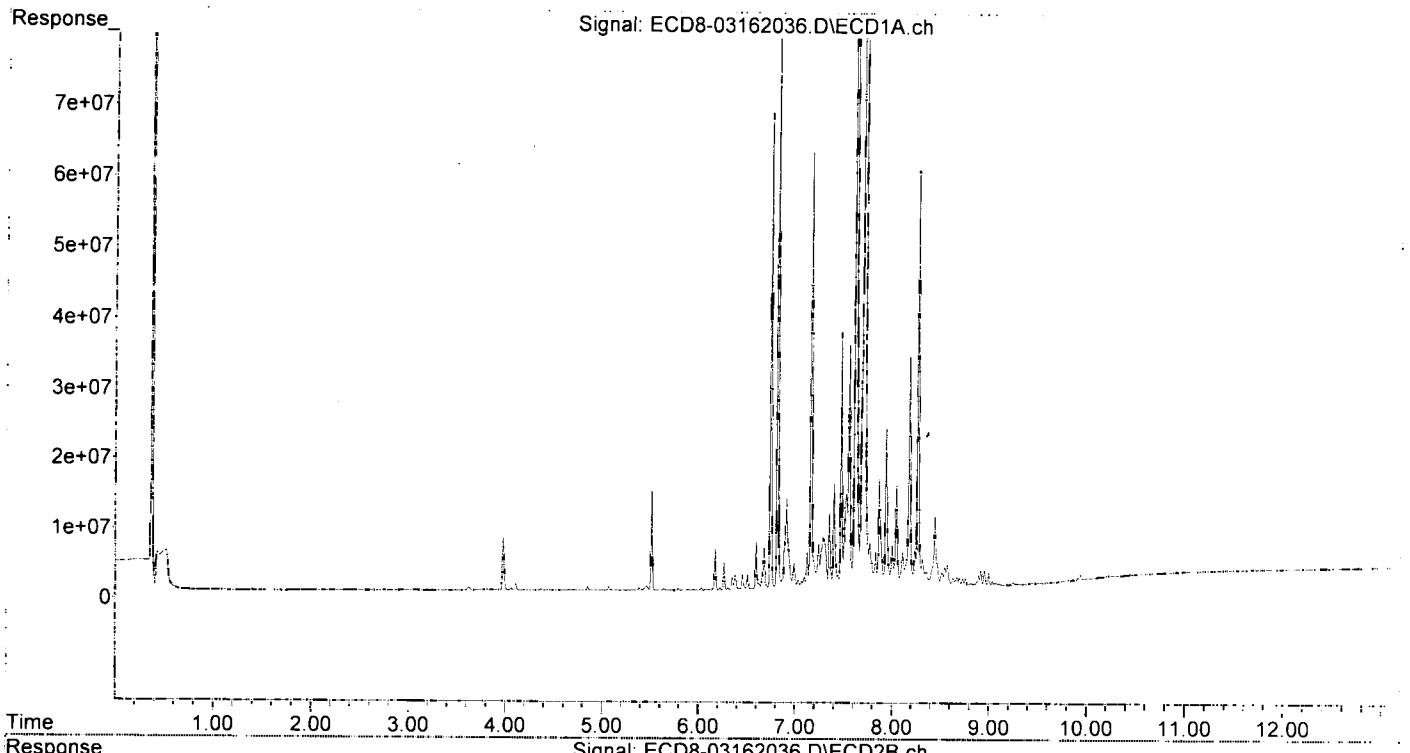
A B
530.70 541.01

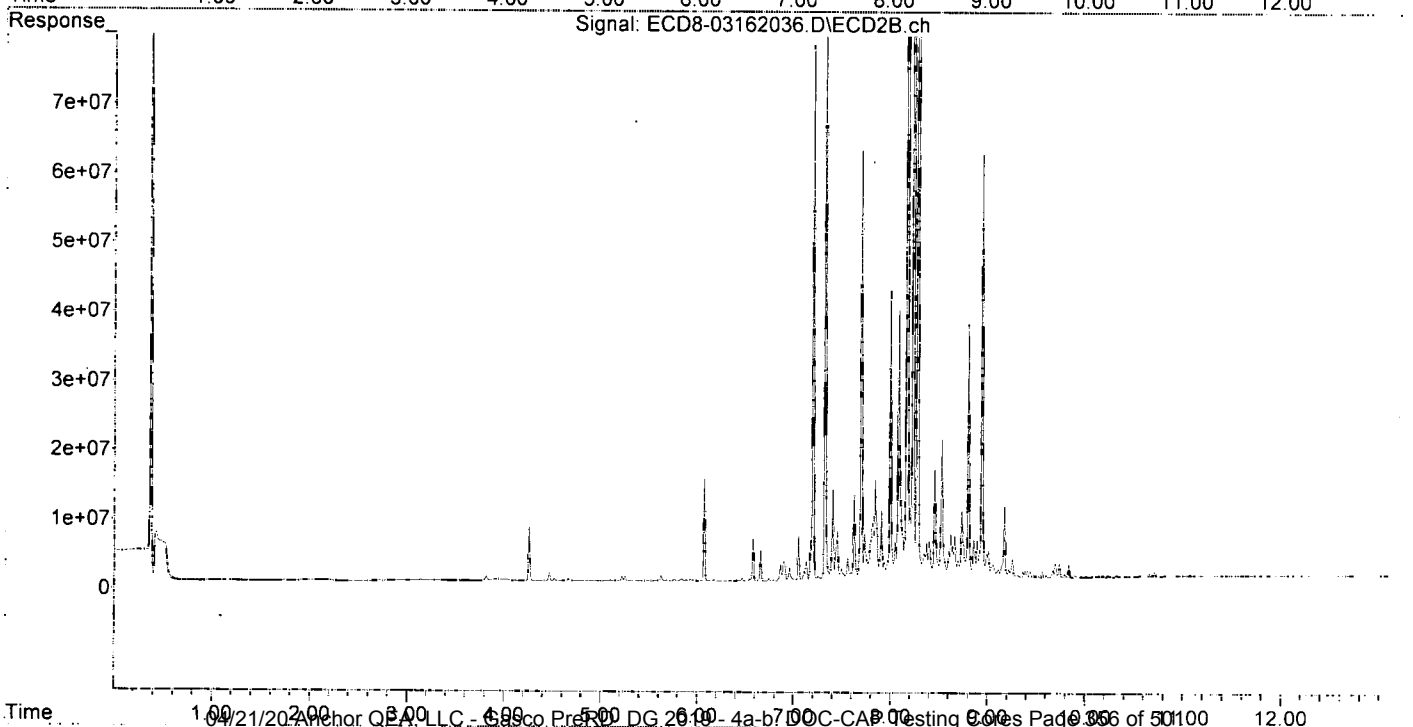
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:42
Operator : MJB
Sample : 0C16047-ICV3
Misc : A19K312, CHLOR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:28 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:55
Operator : MJB
Sample : 0C16047-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

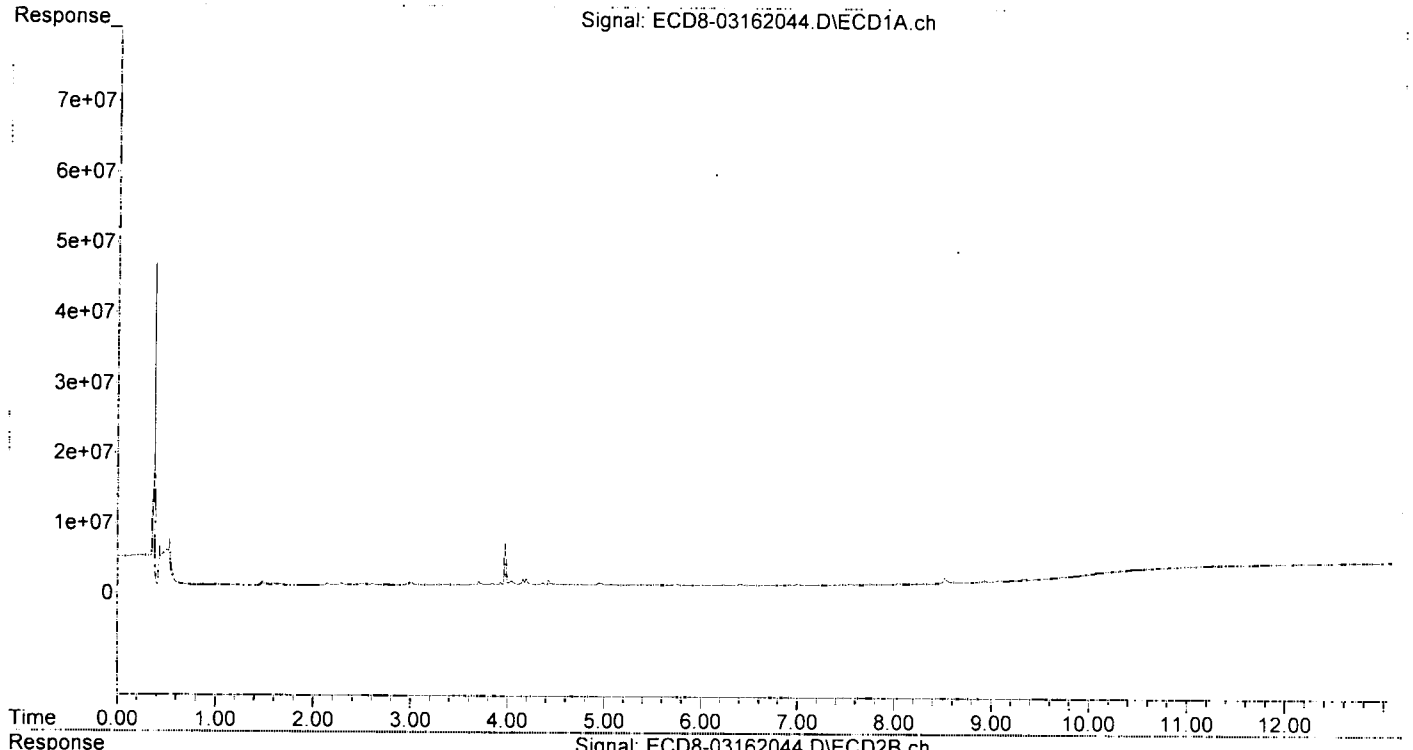
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.577	6.014	39794	104308	0.013	0.028	#
22)	S	DCBP (S)	9.807	10.608	231440	107021	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.113	6.612	48192	97730	0.011	0.069	#
3)		g-BHC	6.402	6.947	217601	19480	0.060	0.005	#
4)		b-BHC	6.467	7.016	79748	53905	BelowCal	0.033	
5)		Heptachlor	6.834	7.302	71187	274264	0.021	0.078	#
6)		d-BHC	6.644	7.270	97607	67281	0.010	0.017	#
7)		Aldrin	7.057	7.585	10916	30135	0.003	0.008	#
8)		Heptachlo...	7.544	8.027	195710	29405	0.061	0.009	#
9)		trans-Chl...	7.617	8.168	33575	49226	0.011	BelowCal	#
10)		cis-Chlor...	0.000	8.300f	0	21432	N.D.	0.006	#
11)		Endosulfa...	7.816	8.327	47075	24189	0.016	0.008	#
12)		4,4'-DDE	7.769	8.384	94922	14833	0.035	BelowCal	#
13)		Dieldrin	7.989	8.527	29363	27356	0.009	BelowCal	#
14)		Endrin	8.161	8.755	9891	21512	0.004	BelowCal	#
15)		4,4'-DDD	8.205	8.801	8477	23285	0.004	BelowCal	#
16)		Endosulfa...	8.312	8.903	51789	63060	0.021	BelowCal	#
17)		4,4'-DDT	8.400	9.023	17301	150078	BelowCal	BelowCal	
18)		Endrin Al...	8.604	9.139	169894	114310	0.073	0.044	#
19)		Endosulfa...	8.925	9.333	163423	102727	0.066	0.039	#
20)		Methoxychlor	8.743	9.516	27074	29376	BelowCal	BelowCal	
21)		Endrin Ke...	9.104	9.735	111886	131774	0.038	BelowCal	#
23)		Hexachlor...	3.371	3.740	87436	566206	0.025	0.075	#
24)		Hexachlor...	5.953	6.497	32544	48575	0.010	BelowCal	#
25)		Oxychlordane	7.444	7.957	94085	13883	0.033	0.004	#
26)		2,4'-DDE	7.544	8.168	195710	49226	0.106	BelowCal	#
27)		trans-Non...	0.000	8.239	0	290195	N.D.	BelowCal	
28)		2,4'-DDD	7.892	8.532	49073	23142	0.032	BelowCal	#
29)		2,4'-DDT	8.103f	8.755	13097	21512	0.007	BelowCal	#
30)		cis-Nonac...	8.188	8.801	8442	23285	0.002	BelowCal	#
31)		Mirex	8.861	9.735	11235	131774	0.005	BelowCal	#
32)		Chlordane...	7.617	8.168	33575	49226	0.097	0.111	
33)		Chlordane...	0.000	8.300f	0	21432	N.D.	0.056	#
34)		Chlordane...	8.273	8.955	8307	1101222	0.074	7.076	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	0.000	8.498	0	16350	N.D.	0.525	#
37)		Toxaphene...	7.989	8.852	29363	13333	1.053	0.328	#
38)		Toxaphene...	8.298	8.884	62498	92655	1.019	1.452	#
39)		Toxaphene...	8.521f	8.955	800159	1101222	13.089	10.445	
40)		Toxaphene...	8.771	9.139	17571	114310	0.367	2.003	#
41)		Toxaphene...	8.849	9.516	15793	29376	0.261	0.480	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

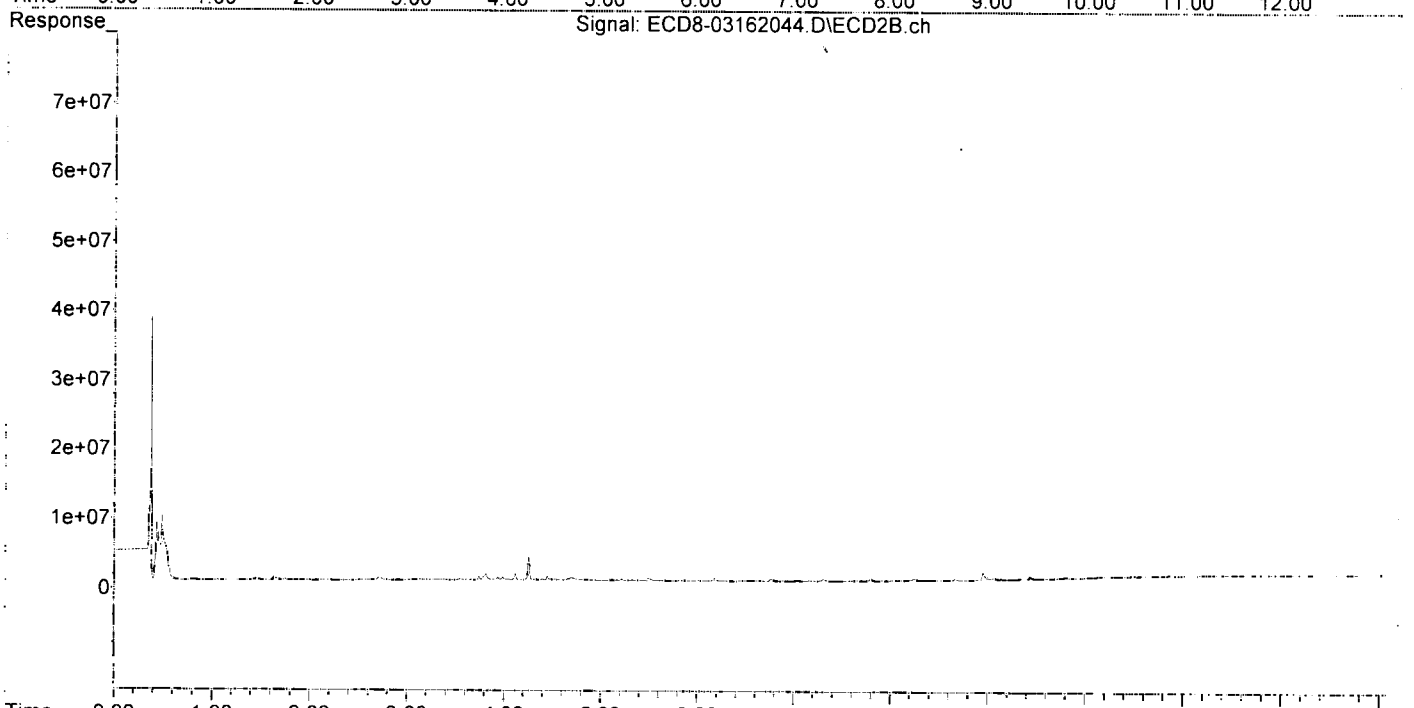
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:55
Operator : MJB
Sample : 0C16047-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2020 00:11
Operator : MJB
Sample : 0C16047-ICV4
Misc : A19J422, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	6.037	0	174801	N.D.	0.047	#
22)	S	DCBP (S)	9.800	10.580f	632076	812745	BelowCal	0.125	
		Target Compounds							
2)		a-BHC	6.112	6.629	98541	139952	0.023	0.078	#
3)		g-BHC	6.412	6.945	103778	116219	0.028	0.030	
4)		b-BHC	6.467	7.016	224937	122384	0.035	0.075	#
5)		Heptachlor	6.815	7.321	300890	428464	0.089	0.122	#
6)		d-BHC	6.649	7.264	175230	348340	0.041	0.104	#
7)		Aldrin	7.056	7.613f	750067	1222708	0.220	0.324	#
8)		Heptachlo...	7.523	8.019	2720032	4813317	0.850	1.412	#
9)		trans-Chl...	7.634	8.163	5870405	4103901	1.877	1.170	#
10)		cis-Chlor...	7.740f	8.298f	6584381	6067550	2.111	1.773	
11)		Endosulfa...	7.820	8.329	10238866	7399245	3.472	2.352	#
12)		4,4'-DDE	7.740f	8.393	6584381	8872944	2.451	2.961	
13)		Dieldrin	7.986	8.542	14930515	9348144	4.553	2.827	#
14)		Endrin	8.175	8.749	22583456	18465895	8.679	7.596	
15)		4,4'-DDD	8.216	8.799	15438787	12392732	7.445	5.757	
16)		Endosulfa...	8.302	8.908	34234831	9618520	13.741	3.909	#
17)		4,4'-DDT	8.384	9.016	30455208	14098573	15.750	6.977	#
18)		Endrin Al...	8.591	9.131	23736972	30679842	10.179	11.882	
19)		Endosulfa...	8.913	9.332	13865480	14038195	5.617	5.272	
20)		Methoxychlor	8.744	9.514	12111480	33000570	13.278	32.708	#
21)		Endrin Ke...	9.098	9.757f	9270663	7372352	3.171	2.811	
23)		Hexachlor...	3.368	3.721	62925	89039	0.018	BelowCal	#
24)		Hexachlor...	5.961	6.488	50143	121402	0.016	BelowCal	#
25)		Oxychlordane	7.450	7.969	6395925	3972101	2.225	1.221	#
26)		2,4'-DDE	7.523	8.163	2720032	4103901	1.471	1.880	#
27)		trans-Non...	7.691	8.239	7838369	5768692	2.496	1.704	#
28)		2,4'-DDD	7.905	8.542	11166146	9348144	7.260	5.396	#
29)		2,4'-DDT	8.093	8.749	19142770	18465895	10.121	9.669	
30)		cis-Nonac...	8.175	8.799	22583456	12392732	6.537	3.340	#
31)		Mirex	8.844	9.757f	34478276	7372352	15.093	3.362	#
32)		Chlordane...	7.634	8.163	5870405	4103901	16.932	9.273	#
33)		Chlordane...	7.691f	8.252f	7838369	5179837	18.723	13.469	#
34)		Chlordane...	8.241f	8.954	15077118	56067461	133.687	503.159	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.691	8.502	7838369	16321103	576.614	523.629	
37)		Toxaphene...	7.986	8.851	14930515	21884746	535.497	538.569	
38)		Toxaphene...	8.302	8.886	34234831	34320238	557.928	537.736	
39)		Toxaphene...	8.543	8.954	33204810	56067461	543.170	531.778	
40)		Toxaphene...	8.774	9.131	27943203	30679842	582.999	537.462	
41)		Toxaphene...	8.844	9.514	34478276	33000570	570.532	539.418	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

A B

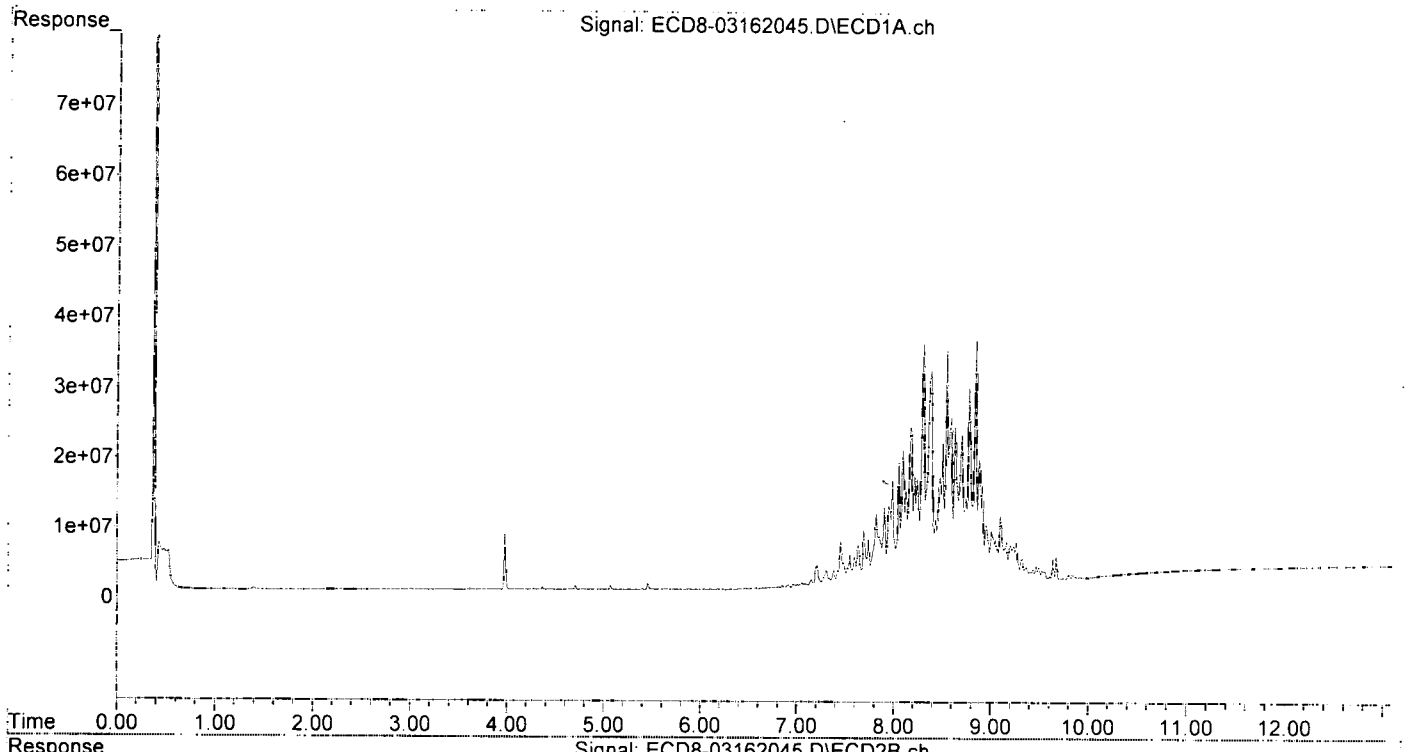
561.12 534.77

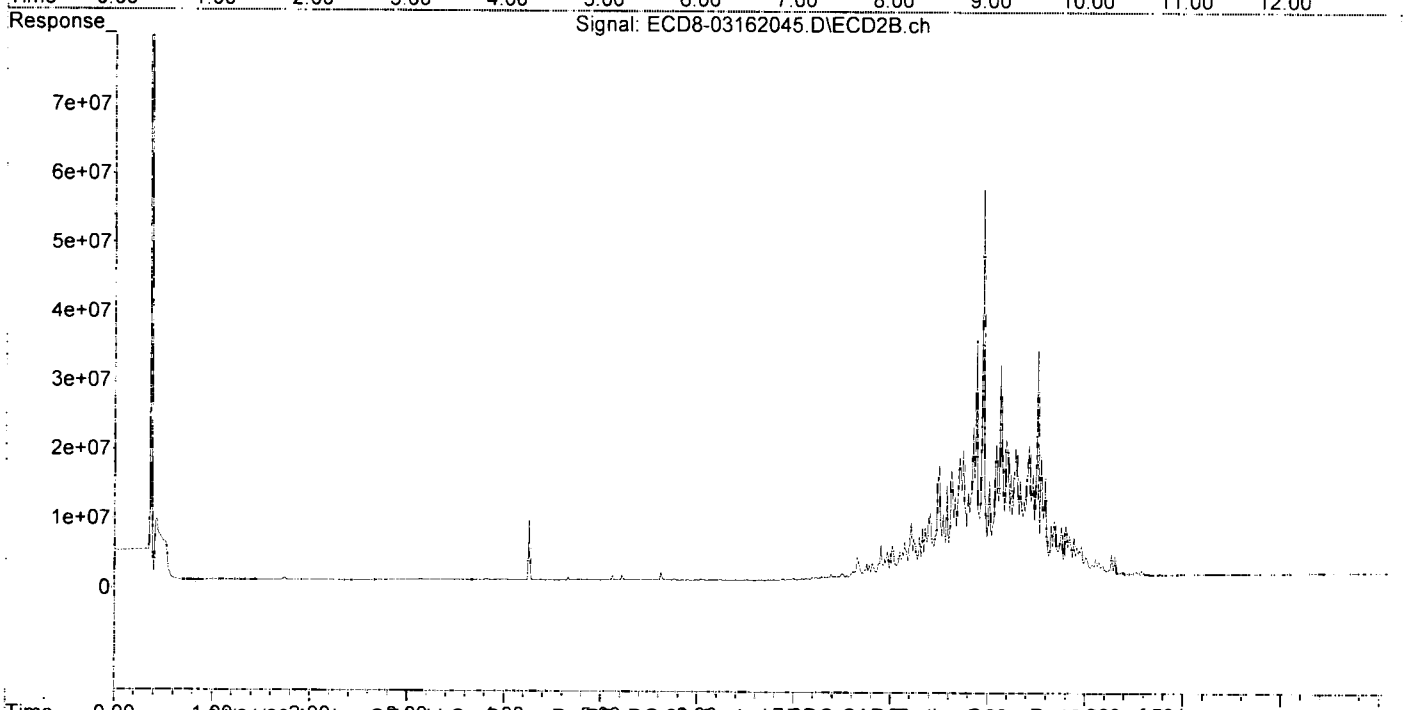
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2020 00:11
Operator : MJB
Sample : 0C16047-ICV4
Misc : A19J422, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 13:15:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.581	6.023	1806044	2096443	0.571	0.569	
22)	S	DCBP (S)	9.813	10.610	1745712	1485173	0.482	0.482	
		Target Compounds							
2)		a-BHC	6.123	6.629	2110588	2072405	0.495	0.512	
3)		g-BHC	6.407	6.948	1863551	1884030	0.511	0.486	
4)		b-BHC	6.487	7.013	766542	899103	0.502	0.549	
5)		Heptachlor	6.821	7.322	1792900	1853006	0.530	0.528	
6)		d-BHC	6.639	7.269	1332960	1673193	0.505	0.515	
7)		Aldrin	7.065	7.590	1718197	1738768	0.505	0.461	
8)		Heptachlo...	7.529	8.029	1722873	1738085	0.538	0.510	
9)		trans-Chl...	7.626	8.172	1652232	2144930	0.528	0.533	
10)		cis-Chlor...	7.721	8.277	2554143	1773525	~~0.819~~	0.518	#
11)		Endosulfa...	7.823	8.329	1566602	1605528	0.531	0.510	
12)		4,4'-DDE	7.781	8.385	1482462	1581284	0.552	0.511	
13)		Dieldrin	7.995	8.530	1684478	1742981	0.514	0.509	
14)		Endrin	8.163	8.759	1328998	1230376	0.511	0.501	
15)		4,4'-DDD	8.207	8.802	1170291	1197635	0.564	0.506	
16)		Endosulfa...	8.322	8.908	1397077	1433392	0.561	0.508	
17)		4,4'-DDT	8.406	9.031	1183015	1236261	0.517	0.510	
18)		Endrin Al...	8.614	9.145	2273688	2274907	~~0.975~~	~~0.881~~	
19)		Endosulfa...	8.919	9.337	1523851	1484562	0.617	0.558	
20)		Methoxychlor	8.742	9.514	643161	683285	0.492	0.487	
21)		Endrin Ke...	9.116	9.739	1733080	1788617	0.593	0.510	
23)		Hexachlor...	3.370	3.737	18450	22073	0.005	BelowCal	#
24)		Hexachlor...	5.963	6.493	40693	60120	0.013	BelowCal	#
25)		Oxychlordane	7.466	7.989f	16426	10666	0.006	0.003	#
26)		2,4'-DDE	7.529	8.172	1722873	2144930	0.932	0.957	
27)		trans-Non...	7.721	0.000	2554143	0	0.813	N.D.	#
28)		2,4'-DDD	0.000	8.530	0	1742981	N.D.	0.909	#
29)		2,4'-DDT	8.092	8.759	15559	1230376	0.008	0.568	#
30)		cis-Nonac...	8.163	8.802	1328998	1197635	0.385	0.273	#
31)		Mirex	8.862	9.726	24329	1810253	0.011	0.555	#
32)		Chlordane...	7.626	8.172	1652232	2144930	4.765	4.846	
33)		Chlordane...	7.721	8.277	2554143	1773525	6.101	4.612	
34)		Chlordane...	8.267	8.946	40953	7228533	0.363	65.262	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.664f	8.500	44227	17384	3.253	0.558	#
37)		Toxaphene...	7.995	8.844	1684478	27970	60.415	0.688	#
38)		Toxaphene...	8.322f	8.883	1397077	30531	22.768	0.478	#
39)		Toxaphene...	8.513f	8.946	6125383	7228533	100.200	68.560	#
40)		Toxaphene...	8.795	9.120	19391	73734	0.405	1.292	#
41)		Toxaphene...	8.835	9.514	12182	683285	0.202	11.169	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

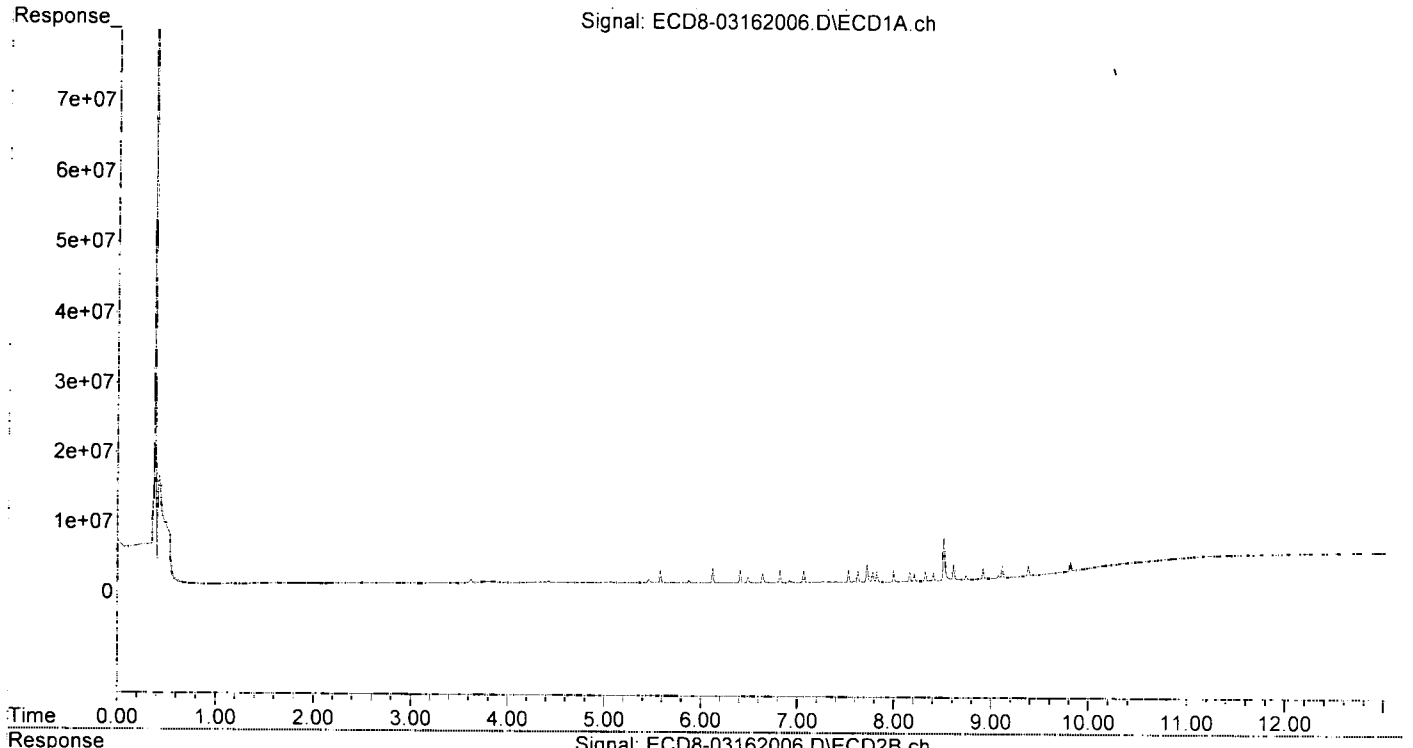
Not used in cal.

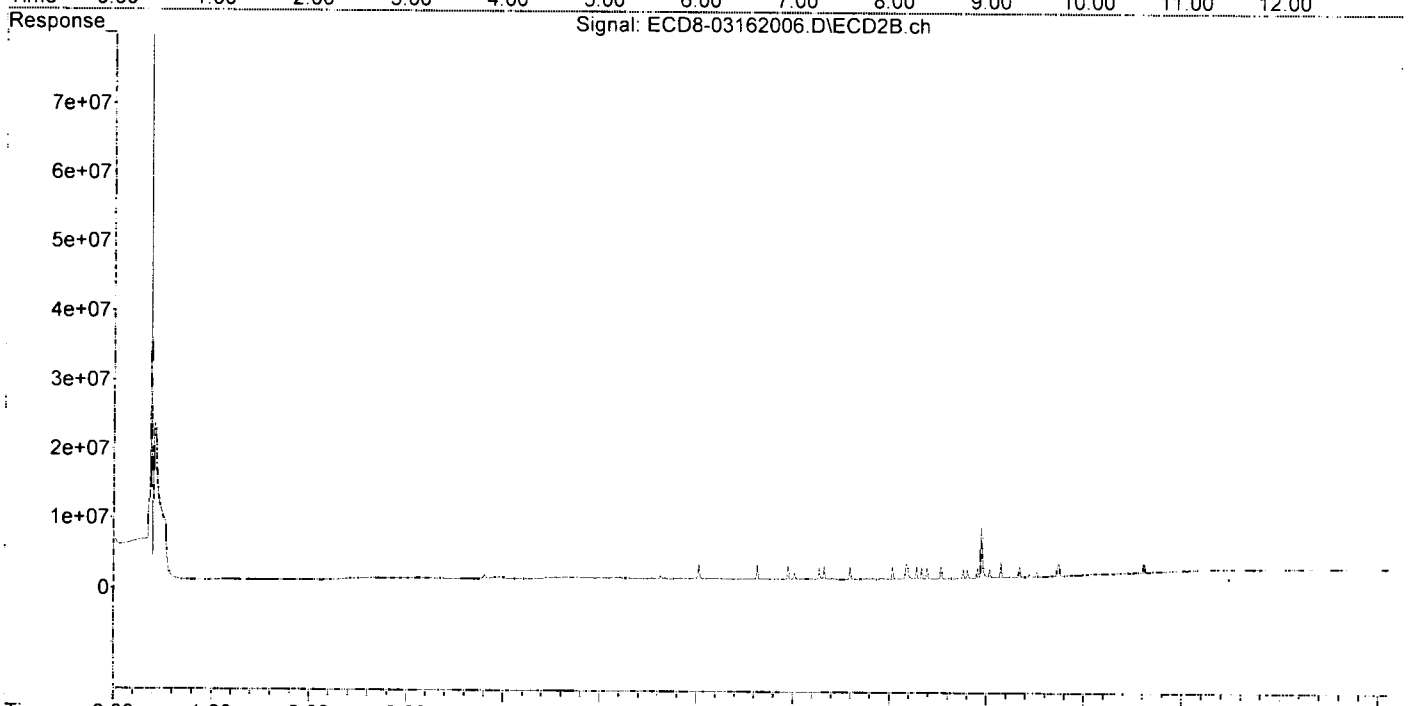
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:02 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:43
Operator : MJB
Sample : 0C16047-CAL2
Misc : A20C178, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

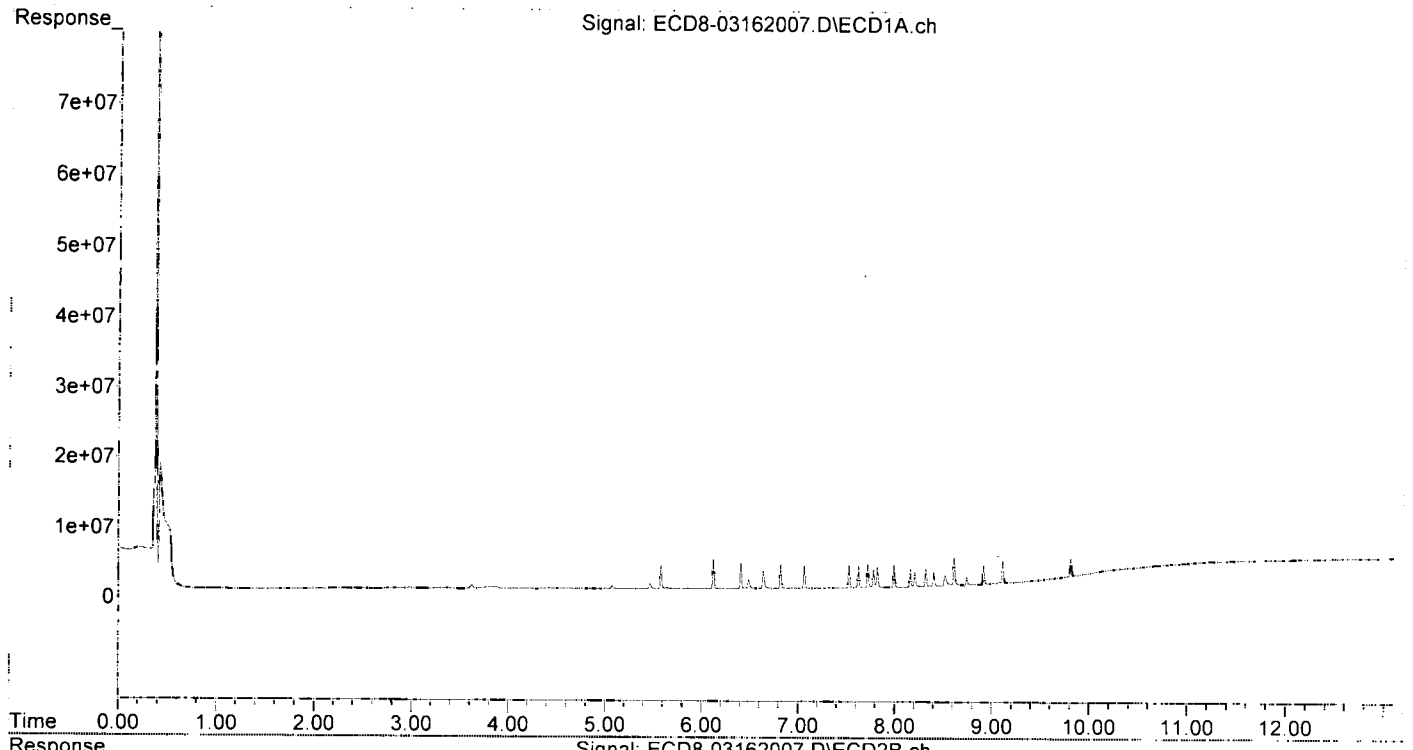
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.580	6.025	3372941	3681316	1.067	0.999	
22)	S DCBP (S)	9.810	10.607	2969499	2614363	1.050	1.081	
	Target Compounds							
2)	a-BHC	6.122	6.631	4259585	4183116	0.999	0.985	
3)	g-BHC	6.407	6.949	3688342	3699641	1.011	0.955	
4)	b-BHC	6.487	7.016	1356305	1737642	1.011	1.062	
5)	Heptachlor	6.820	7.323	3475769	3437259	1.027	0.979	
6)	d-BHC	6.640	7.271	2579384	3142916	1.003	0.970	
7)	Aldrin	7.064	7.590	3341644	3500323	0.981	0.927	
8)	Heptachlo...	7.527	8.030	3325232	3414675	1.039	1.002	
9)	trans-Chl...	7.624	8.170	3151992	3277548	1.008	0.901	
10)	cis-Chlor...	7.721	8.277	3375508	3446677	1.082	1.007	
11)	Endosulfa...	7.821	8.328	2991466	3024358	1.015	0.961	
12)	4,4'-DDE	7.781	8.386	2573098	3019785	0.958	0.996	
13)	Dieldrin	7.993	8.530	3268121	3341962	0.997	0.998	
14)	Endrin	8.161	8.758	2645126	2468758	1.017	1.018	
15)	4,4'-DDD	8.207	8.803	2111209	2263226	1.018	1.011	
16)	Endosulfa...	8.320	8.907	2579178	2619377	1.035	1.004	
17)	4,4'-DDT	8.404	9.030	2013965	2173999	0.962	0.990	
18)	Endrin Al...	8.612	9.145	4020833	4133575	1.724	1.601	not used in cal.
19)	Endosulfa...	8.916	9.336	2646696	2793416	1.072	1.049	
20)	Methoxychlor	8.742	9.512	1122231	1213941	1.035	1.049	
21)	Endrin Ke...	9.113	9.739	3199016	2925715	1.094	0.980	
23)	Hexachlor...	3.368	0.000	15426	0	0.004	N.D.	#
24)	Hexachlor...	5.963	6.464f	29520	12634	0.009	BelowCal	#
25)	Oxychlordane	7.464	7.950	22283	11468	0.008	0.004	#
26)	2,4'-DDE	7.527	8.170	3325232	3277548	1.799	1.491	
27)	trans-Non...	7.721	0.000	3375508	0	1.075	N.D.	#
28)	2,4'-DDD	0.000	8.530	0	3341962	N.D.	1.859	#
29)	2,4'-DDT	8.086	8.758	17872	2468758	0.009	1.235	#
30)	cis-Nonac...	8.161f	8.803	2645126	2263226	0.766	0.567	#
31)	Mirex	0.000	9.739	0	2925715	N.D.	1.120	#
32)	Chlordane...	7.624	8.170	3151992	3277548	9.091	7.406	
33)	Chlordane...	7.721	8.277	3375508	3446677	8.063	8.963	
34)	Chlordane...	0.000	8.950	0	1990577	N.D.	15.572	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.721f	8.500	3375508	7986	248.313	0.256	#
37)	Toxaphene...	7.993	8.865	3268121	36651	117.214	0.902	#
38)	Toxaphene...	8.320	8.907f	2579178	2619377	42.033	41.041	
39)	Toxaphene...	8.518f	8.950	1458162	1990577	23.853	18.880	
40)	Toxaphene...	8.794	9.145	13445	4133575	0.281	72.414	#
41)	Toxaphene...	0.000	9.512	0	1213941	N.D.	19.843	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

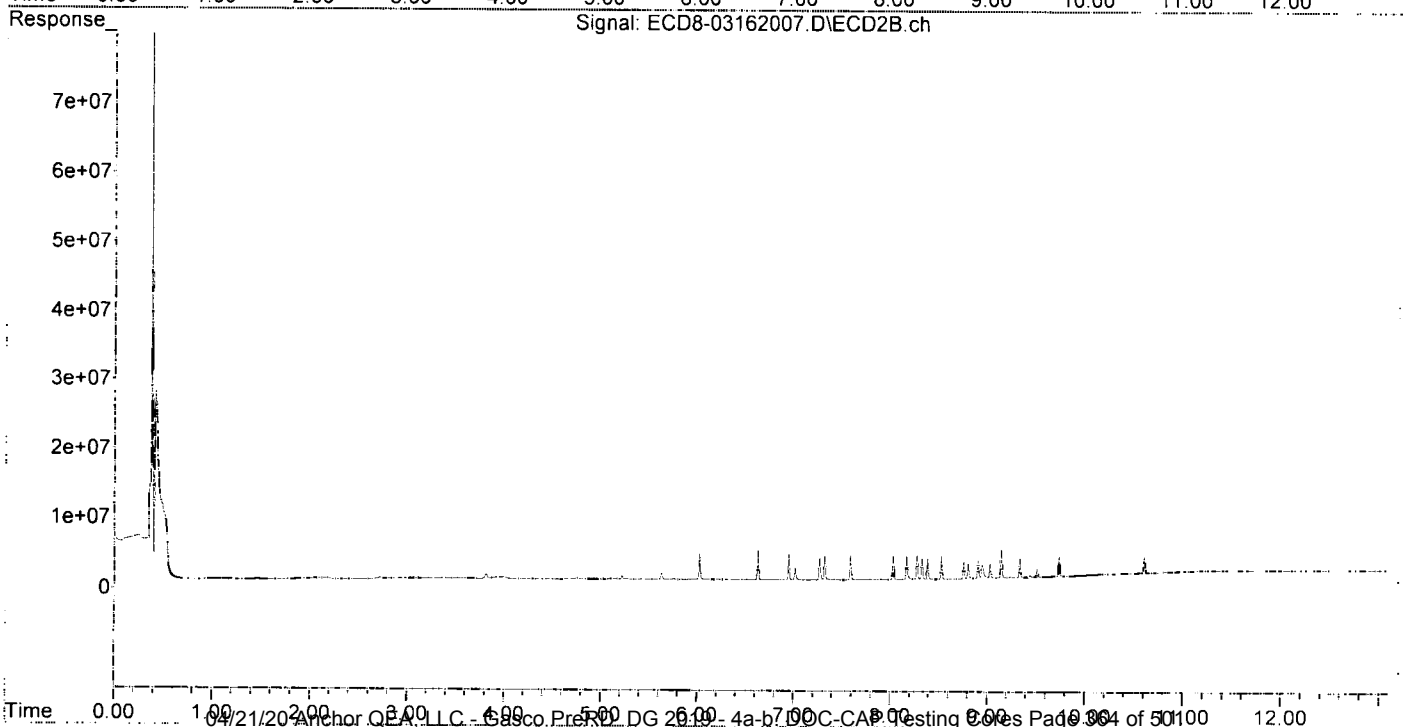
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:43
Operator : MJB
Sample : 0C16047-CAL2
Misc : A20C178, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:59
Operator : MJB
Sample : 0C16047-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

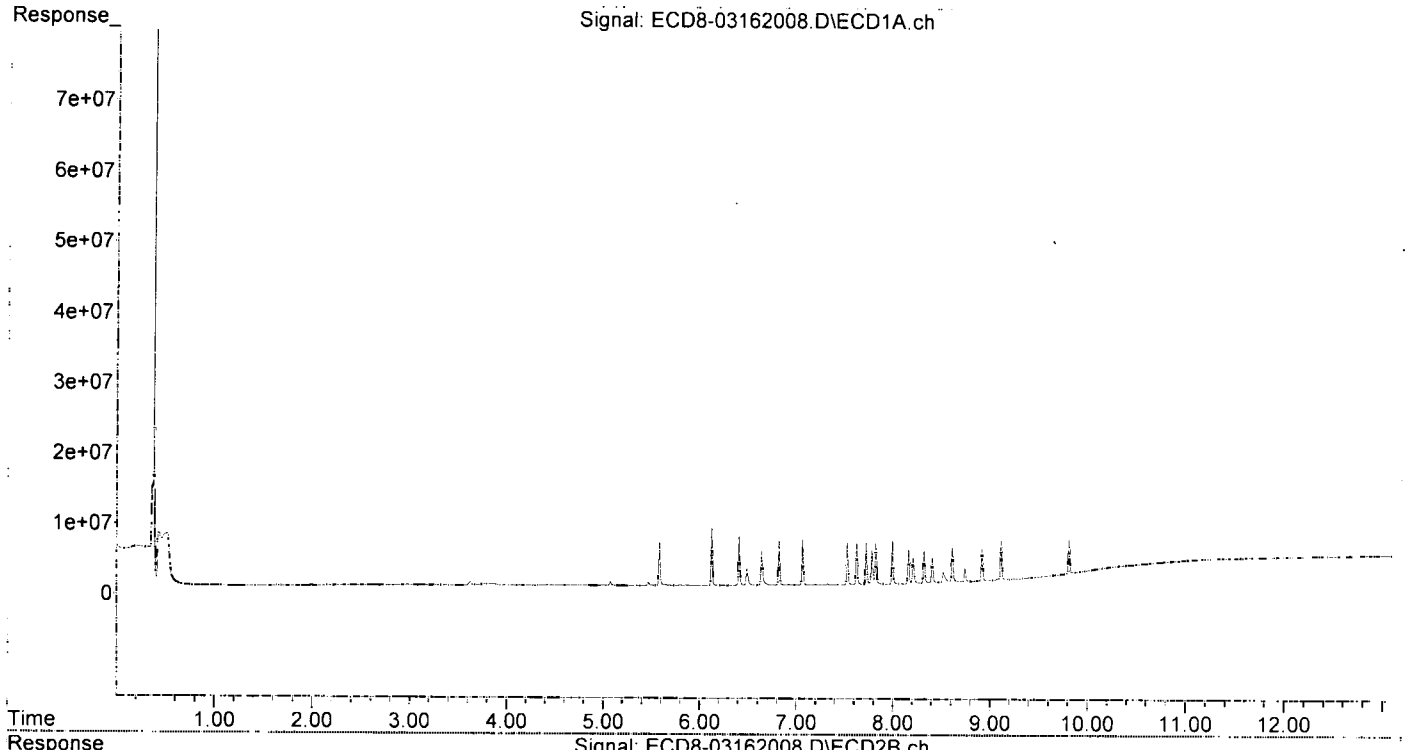
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.581	6.024	6163432	6857973	1.950	1.862	
22)	S DCBP (S)	9.810	10.607	5171092	4314101	2.070	1.982	
	Target Compounds							
2)	a-BHC	6.122	6.630	8265132	8264595	1.938	1.898	
3)	g-BHC	6.406	6.949	6992916	6971032	1.917	1.800	
4)	b-BHC	6.487	7.016	2442163	3026076	1.944	1.849	
5)	Heptachlor	6.820	7.323	6470515	6531868	1.911	1.861	
6)	d-BHC	6.640	7.270	4886259	6104723	1.922	1.883	
7)	Aldrin	7.064	7.590	6502773	6791506	1.910	1.799	
8)	Heptachlo...	7.527	8.029	6026539	6171817	1.884	1.811	
9)	trans-Chl...	7.624	8.170	5865063	6183908	1.876	1.845	
10)	cis-Chlor...	7.721	8.278	6066081	6263855	1.945	1.830	
11)	Endosulfa...	7.821	8.329	5809390	5675461	1.970	1.804	
12)	4,4'-DDE	7.781	8.385	4802369	5604294	1.788	1.865	
13)	Dieldrin	7.993	8.530	6206885	6206567	1.893	1.872	
14)	Endrin	8.161	8.758	4923547	4613463	1.892	1.910	
15)	4,4'-DDD	8.207	8.804	3721046	4073798	1.794	1.867	
16)	Endosulfa...	8.320	8.907	4658564	4697413	1.870	1.870	
17)	4,4'-DDT	8.405	9.030	3669704	3913998	1.847	1.876	
18)	Endrin Al...	8.611	9.144	4981879	5369712	2.136	2.080	
19)	Endosulfa...	8.916	9.336	4585226	4852129	1.857	1.822	
20)	Methoxychlor	8.742	9.514	1937413	2116047	1.956	2.002	
21)	Endrin Ke...	9.113	9.739	5682686	5272032	1.944	1.948	
23)	Hexachlor...	0.000	3.747f	0	11446	N.D.	BelowCal	
24)	Hexachlor...	5.963	6.515f	16390	50232	0.005	BelowCal	#
25)	Oxychlordane	7.465	7.954	39690	14252	0.014	0.004	#
26)	2,4'-DDE	7.527	8.170	6026539	6183908	3.260	2.857	
27)	trans-Non...	7.721	0.000	6066081	0	1.931	N.D.	#
28)	2,4'-DDD	0.000	8.530	0	6206567	N.D.	3.552	#
29)	2,4'-DDT	8.088	8.758	24204	4613463	0.013	2.386	#
30)	cis-Nonac...	8.161f	8.804	4923547	4073798	1.425	1.065	#
31)	Mirex	8.866	9.739	37311	5272032	0.016	2.305	#
32)	Chlordane...	7.624	8.170	5865063	6183908	16.916	13.973	
33)	Chlordane...	7.721	8.278	6066081	6263855	14.490	16.288	
34)	Chlordane...	0.000	8.950	0	2039130	N.D.	16.035	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.721f	8.502	6066081	8264	446.239	0.265	#
37)	Toxaphene...	7.993	8.866	6206885	64176	222.616	1.579	#
38)	Toxaphene...	8.320	8.879	4658564	62942	75.921	0.986	#
39)	Toxaphene...	8.519f	8.950	1450226	2039130	23.723	19.340	
40)	Toxaphene...	8.789	9.144	51539	5369712	1.075	94.069	#
41)	Toxaphene...	8.848	9.514	22146	2116047	0.366	34.588	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

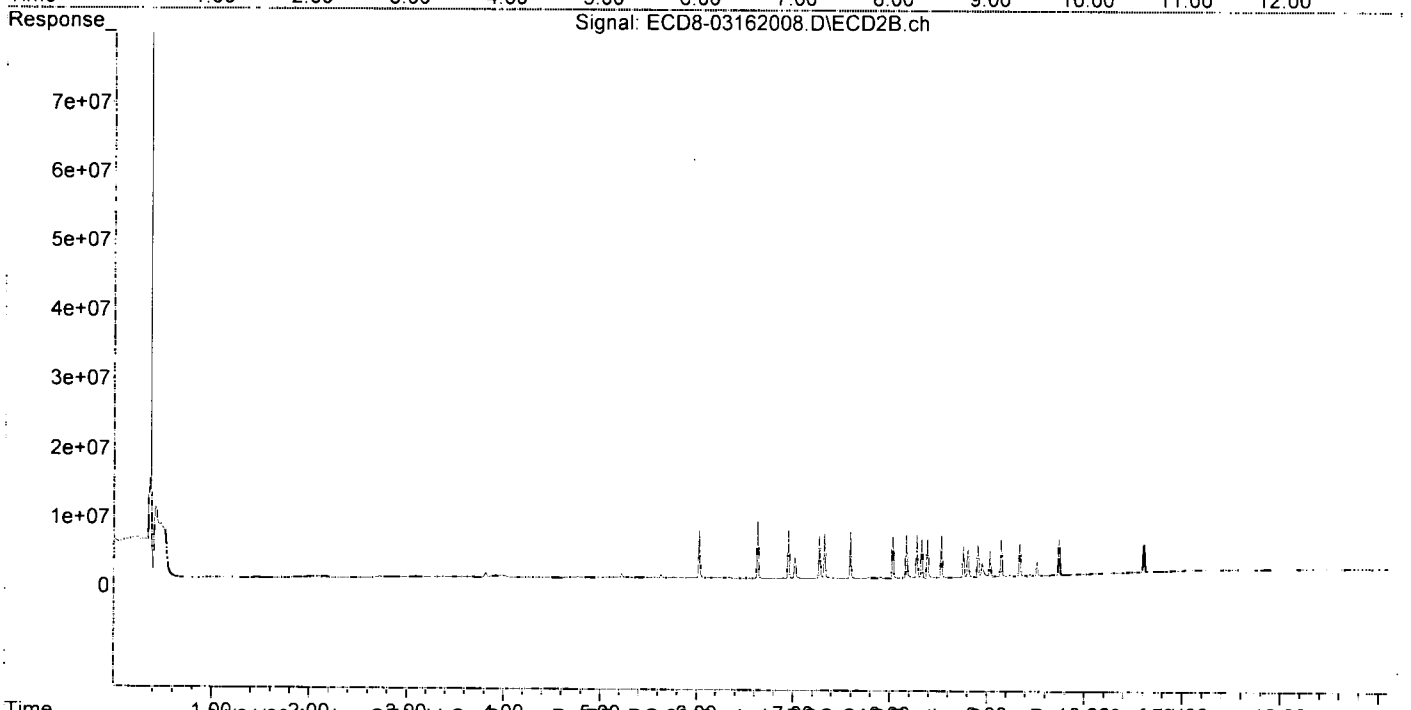
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:59
Operator : MJB
Sample : 0C16047-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:16
Operator : MJB
Sample : 0C16047-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

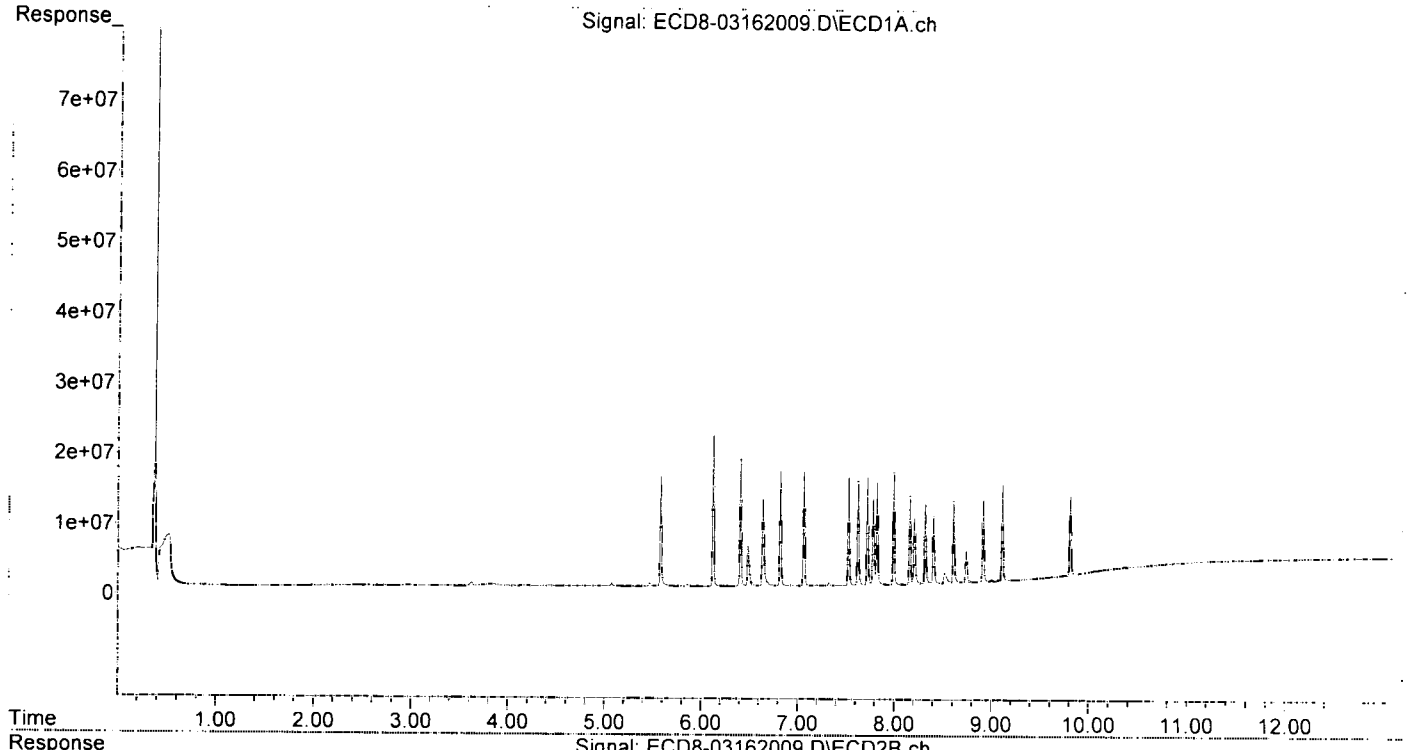
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.025	15607871	17434731	4.938	4.734	
22)	S	DCBP (S)	9.809	10.607	11643713	9872783	5.070	4.918	
		Target Compounds							
2)		a-BHC	6.122	6.631	21509372	21097667	5.043	4.755	
3)		g-BHC	6.407	6.949	18013883	18152851	4.938	4.687	
4)		b-BHC	6.486	7.014	5808311	7620901	4.820	4.657	
5)		Heptachlor	6.820	7.323	16368933	16389506	4.835	4.669	
6)		d-BHC	6.639	7.270	12411856	15998290	4.896	4.909	
7)		Aldrin	7.064	7.590	16267291	17266849	4.777	4.574	
8)		Heptachlo...	7.527	8.028	15454877	15444081	4.830	4.531	
9)		trans-Chl...	7.624	8.169	14876518	16064613	4.757	5.025	
10)		cis-Chlor...	7.720	8.277	15422582	15241153	4.945	4.453	
11)		Endosulfa...	7.821	8.328	14597562	14185309	4.951	4.509	
12)		4,4'-DDE	7.781	8.385	12324139	14375048	4.587	4.794	
13)		Dieldrin	7.993	8.529	15886386	16115825	4.845	4.875	
14)		Endrin	8.160	8.758	12672618	12038680	4.870	4.975	
15)		4,4'-DDD	8.207	8.802	9569128	10481298	4.615	4.869	
16)		Endosulfa...	8.319	8.905	11438339	11766480	4.591	4.794	
17)		4,4'-DDT	8.403	9.029	9750786	9982728	5.069	4.933	
18)		Endrin Al...	8.610	9.144	11576375	12142825	4.964	4.703	
19)		Endosulfa...	8.915	9.335	11670658	11742352	4.728	4.410	
20)		Methoxychlor	8.741	9.513	4722849	5018441	5.087	5.043	
21)		Endrin Ke...	9.112	9.738	13664418	12253769	4.673	4.804	
23)		Hexachlor...	0.000	3.745f	0	11385	N.D.	BelowCal	
24)		Hexachlor...	5.964	6.515f	48538	44363	0.015	BelowCal	#
25)		Oxychlordane	7.463	7.956	79320	14298	0.028	0.004	#
26)		2,4'-DDE	7.527	8.169	15454877	16064613	8.359	7.447	
27)		trans-Non...	7.720	0.000	15422582	0	4.911	N.D.	#
28)		2,4'-DDD	0.000	8.529	0	16115825	N.D.	9.325	#
29)		2,4'-DDT	8.087	8.758	53486	12038680	0.028	6.320	#
30)		cis-Nonac...	8.160f	8.802	12672618	10481298	3.668	2.819	
31)		Mirex	8.868	9.738	49760	12253769	0.022	5.805	#
32)		Chlordane...	7.624	8.169	14876518	16064613	42.907	36.298	
33)		Chlordane...	7.720	8.277	15422582	15241153	36.839	39.632	
34)		Chlordane...	0.000	8.949	0	2106196	N.D.	16.675	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.720f	8.501	15422582	45858	1134.532	1.471	#
37)		Toxaphene...	7.993	0.000	15886386	0	569.781	N.D.	#
38)		Toxaphene...	8.319	8.905	11438339	11766480	186.412	184.359	
39)		Toxaphene...	8.519f	8.949	1571432	2106196	25.706	19.976	
40)		Toxaphene...	8.741f	9.144	4722849	12142825	98.536	212.723	#
41)		Toxaphene...	8.831	9.513	10366	5018441	0.172	82.030	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

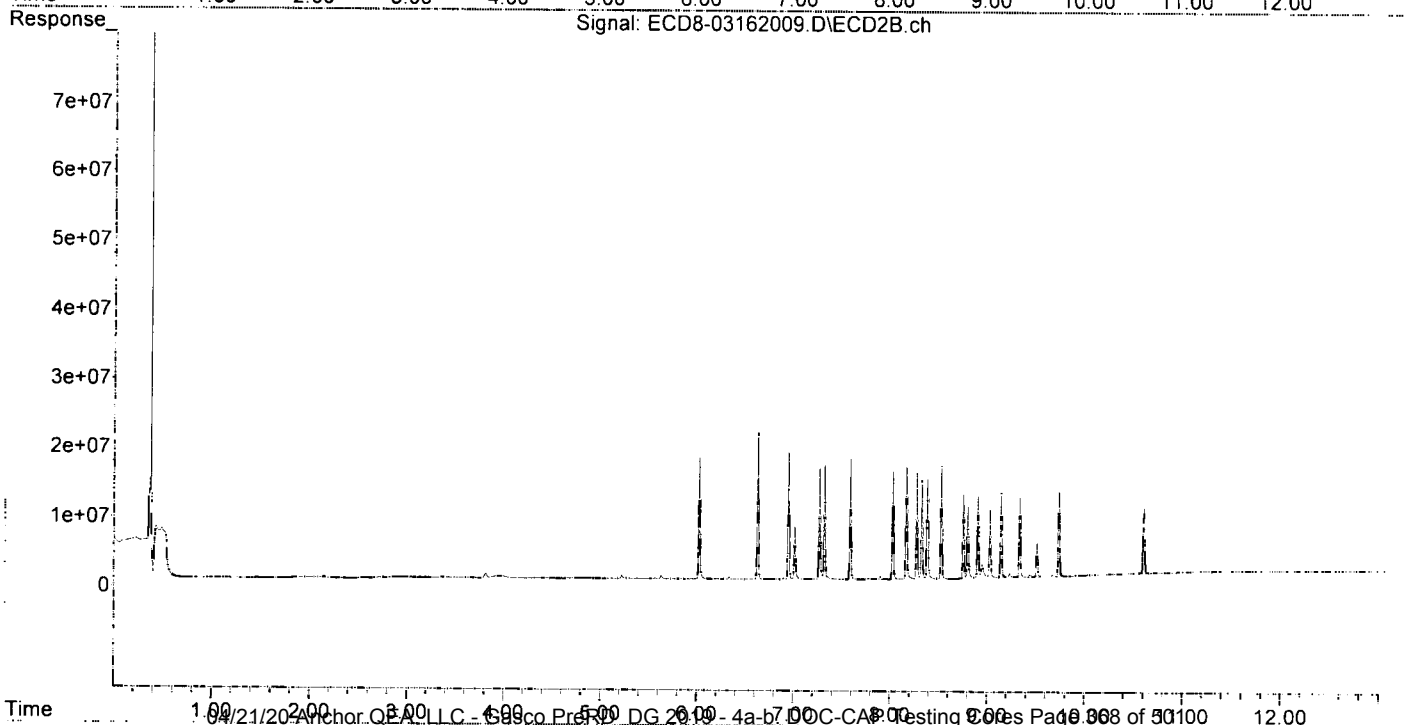
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:16
Operator : MJB
Sample : 0C16047-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:08:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:32
Operator : MJB
Sample : 0C16047-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

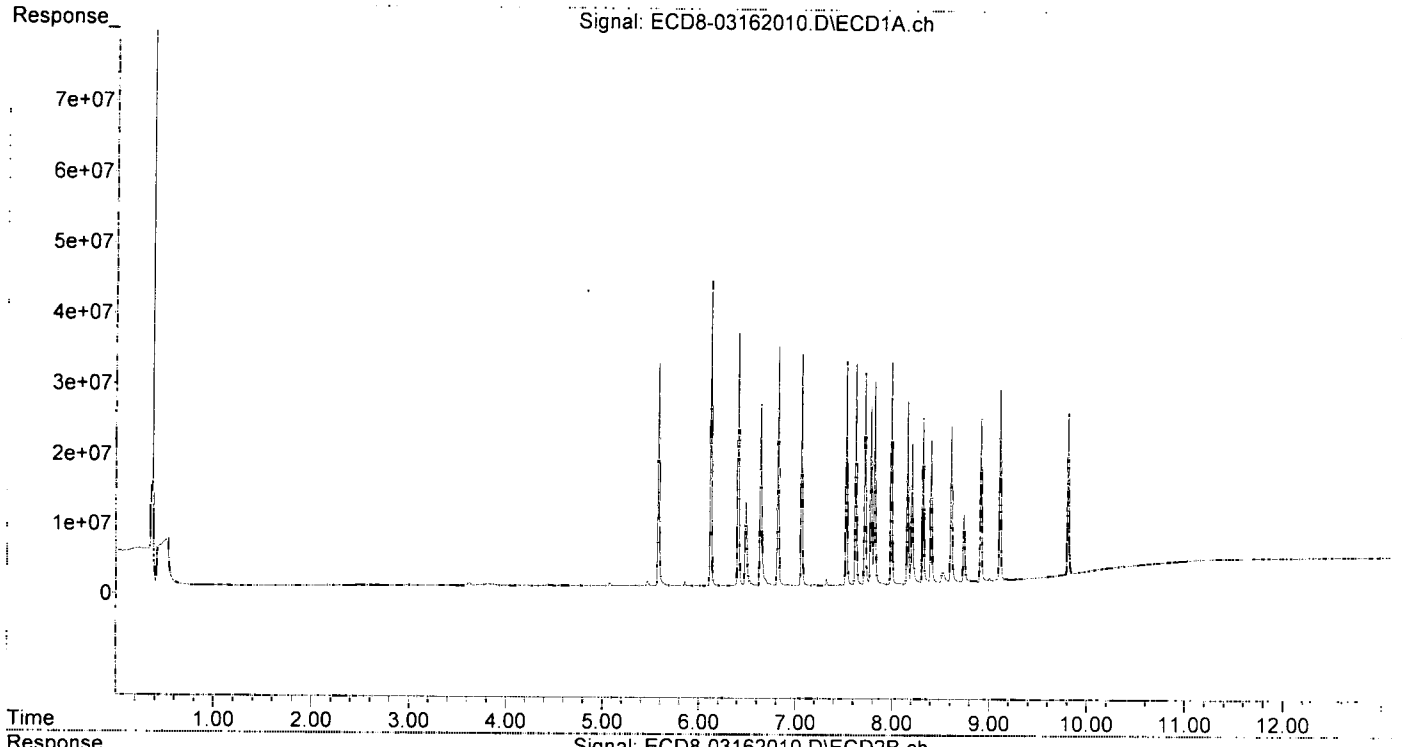
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.024	32001429	35068138	10.125	9.521	
22)	S	DCBP (S)	9.809	10.606	23495989	19969897	10.559	10.215	
		Target Compounds							
2)		a-BHC	6.121	6.630	43565981	46440782	10.214	10.338	
3)		g-BHC	6.406	6.948	36193141	37131161	9.920	9.587	
4)		b-BHC	6.485	7.013	12088928	14860984	10.118	9.081	
5)		Heptachlor	6.820	7.322	34502582	34062288	10.192	9.703	
6)		d-BHC	6.638	7.269	25997548	33720419	10.173	10.234	
7)		Aldrin	7.064	7.590	33166443	37015165	9.740	9.806	
8)		Heptachlo...	7.527	8.028	31999268	33003117	10.001	9.683	
9)		trans-Chl...	7.623	8.168	31687157	32976505	10.133	10.377	
10)		cis-Chlor...	7.720	8.277	30374851	32513398	9.740	9.499	
11)		Endosulfa...	7.820	8.327	29226515	29470789	9.912	9.367	
12)		4,4'-DDE	7.780	8.385	25658444	31100058	9.551	10.289	
13)		Dieldrin	7.992	8.529	31790848	33326837	9.695	10.018	
14)		Endrin	8.159	8.757	26499878	26087218	10.184	10.668	
15)		4,4'-DDD	8.205	8.802	20211415	22430896	9.747	10.364	
16)		Endosulfa...	8.319	8.906	23675227	25514204	9.503	10.390	
17)		4,4'-DDT	8.402	9.029	20567381	21505044	10.703	10.596	
18)		Endrin Al...	8.610	9.144	22432407	23977064	9.620	9.286	
19)		Endosulfa...	8.914	9.335	23594213	24497240	9.558	9.200	
20)		Methoxychlor	8.740	9.512	9880452	10336436	10.822	10.524	
21)		Endrin Ke...	9.111	9.738	27345823	25144537	9.353	9.987	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.964	6.515f	72346	53737	0.023	BelowCal	#
25)		Oxychlordane	7.462	7.958	155253	21035	0.054	0.006	#
26)		2,4'-DDE	7.527	8.168	31999268	32976505	17.308	15.122	
27)		trans-Non...	7.720	0.000	30374851	0	9.672	N.D.	#
28)		2,4'-DDD	0.000	8.529	0	33326837	N.D.	19.061	#
29)		2,4'-DDT	8.085	8.757	107414	26087218	0.057	13.575	#
30)		cis-Nonac...	8.205f	8.802	20211415	22430896	5.850	6.058	
31)		Mirex	8.867	9.738	70590	25144537	0.031	12.165	#
32)		Chlordane...	7.623	8.168	31687157	32976505	91.393	74.510	
33)		Chlordane...	7.720	8.277	30374851	32513398	72.555	84.546	
34)		Chlordane...	0.000	8.950	0	2160823	N.D.	17.196	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.720f	8.529f	30374851	33326837	2234.466	1069.223	#
37)		Toxaphene...	7.992	8.878f	31790848	216840	1140.210	5.336	#
38)		Toxaphene...	8.319	8.878	23675227	216840	385.837	3.397	#
39)		Toxaphene...	8.532	8.950	1450770	2160823	23.732	20.495	
40)		Toxaphene...	8.740f	9.144	9880452	23977064	206.143	420.040	#
41)		Toxaphene...	8.867f	9.512	70590	10336436	1.168	168.956	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

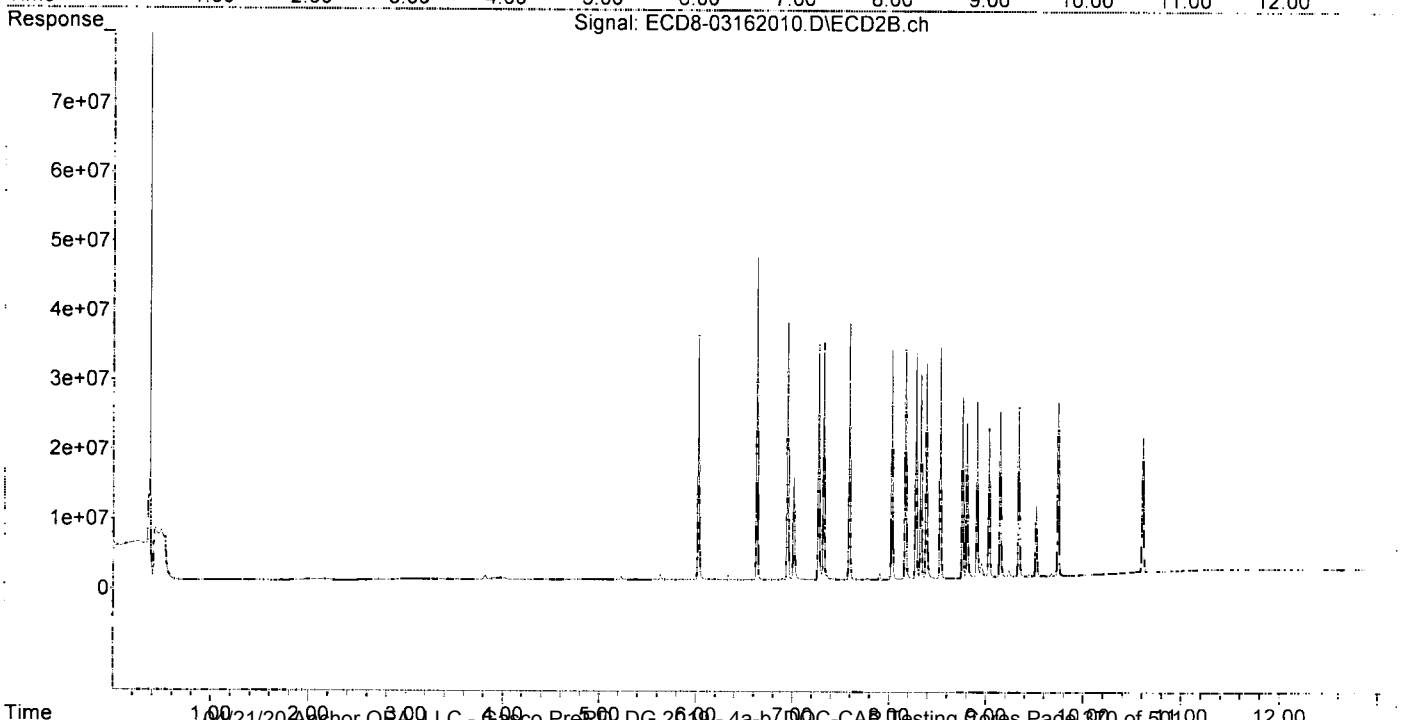
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:32
Operator : MJB
Sample : 0C16047-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:49
Operator : MJB
Sample : 0C16047-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

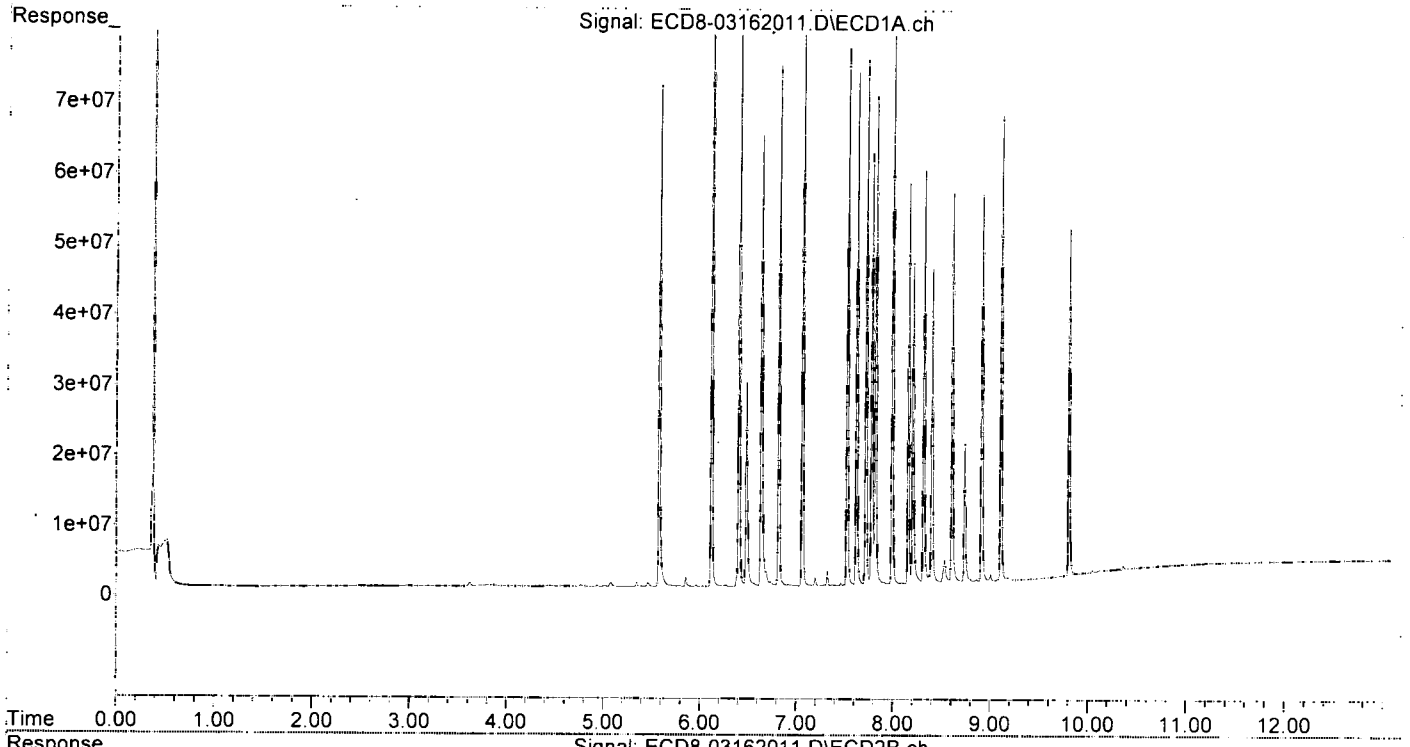
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.024	71347819	83636188	22.575	22.707	
22)	S	DCBP (S)	9.809	10.606	49920161	46192575	22.781	23.761	
		Target Compounds							
2)		a-BHC	6.121	6.630	101.1E6	115.3E6	23.709	25.121	
3)		g-BHC	6.405	6.948	86717503	92100853	23.769	23.780	
4)		b-BHC	6.483	7.013	29266861	36301898	24.176	22.183	
5)		Heptachlor	6.818	7.321	74173038	75226524	21.910	21.430	
6)		d-BHC	6.636	7.268	64143054	84564624	24.406	24.899	
7)		Aldrin	7.062	7.589	83995981	94422819	24.666	25.014	
8)		Heptachlo...	7.525	8.028	76265635	79811330	23.836	23.416	
9)		trans-Chl...	7.622	8.168	73216239	82197987	23.413	25.356	
10)		cis-Chlor...	7.719	8.276	74698544	82847465	23.952	24.204	
11)		Endosulfa...	7.819	8.327	69500067	77403976	23.570	24.603	
12)		4,4'-DDE	7.779	8.383	61506960	76441526	22.895	24.639	
13)		Dieldrin	7.992	8.528	78505318	89290681	23.940	26.158	
14)		Endrin	8.159	8.756	57093962	56085620	21.942	22.397	
15)		4,4'-DDD	8.203	8.801	45820318	54795237	22.096	24.628	
16)		Endosulfa...	8.317	8.904	58994393	62811647	23.679	25.018	
17)		4,4'-DDT	8.401	9.028	44979738	47593950	22.994	22.803	
18)		Endrin Al...	8.609	9.143	55582800	58579344	23.836	22.686	
19)		Endosulfa...	8.914	9.334	55161718	61840696	22.345	23.225	
20)		Methoxychlor	8.739	9.511	19707961	21602283	21.534	21.775	
21)		Endrin Ke...	9.111	9.737	66288996	64832425	22.672	25.272	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.963	6.512f	177676	36510	0.056	BelowCal	#
25)		Oxychlordane	7.461	7.951	383920	54711	0.134	0.017	#
26)		2,4'-DDE	7.525	8.168	76265635	82197987	41.251	36.313	
27)		trans-Non...	7.719	8.227	74698544	396787	23.784	0.012	#
28)		2,4'-DDD	7.904	8.528	360327	89290681	0.234	48.563	#
29)		2,4'-DDT	8.085	8.756	214696	56085620	0.114	28.328	#
30)		cis-Nonac...	8.203f	8.801	45820318	54795237	13.262	14.630	
31)		Mirex	8.864	9.737	291232	64832425	0.127	30.989	#
32)		Chlordane...	7.622	8.168	73216239	82197987	211.172	185.726	
33)		Chlordane...	7.719	8.276	74698544	82847465	178.429	215.432	
34)		Chlordane...	0.000	8.949	0	2276854	N.D.	18.303	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.719f	8.500	74698544	212991	5495.052	6.833	#
37)		Toxaphene...	7.992	0.000	78505318	0	2815.669	N.D.	#
38)		Toxaphene...	8.317	8.904	58994393	62811647	961.436	984.144	
39)		Toxaphene...	8.533	8.949	3210083	2276854	52.511	21.595	#
40)		Toxaphene...	8.739f	9.143	19707961	58579344	411.181	1026.217	#
41)		Toxaphene...	8.864f	9.511	291232	21602283	4.819	353.105	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

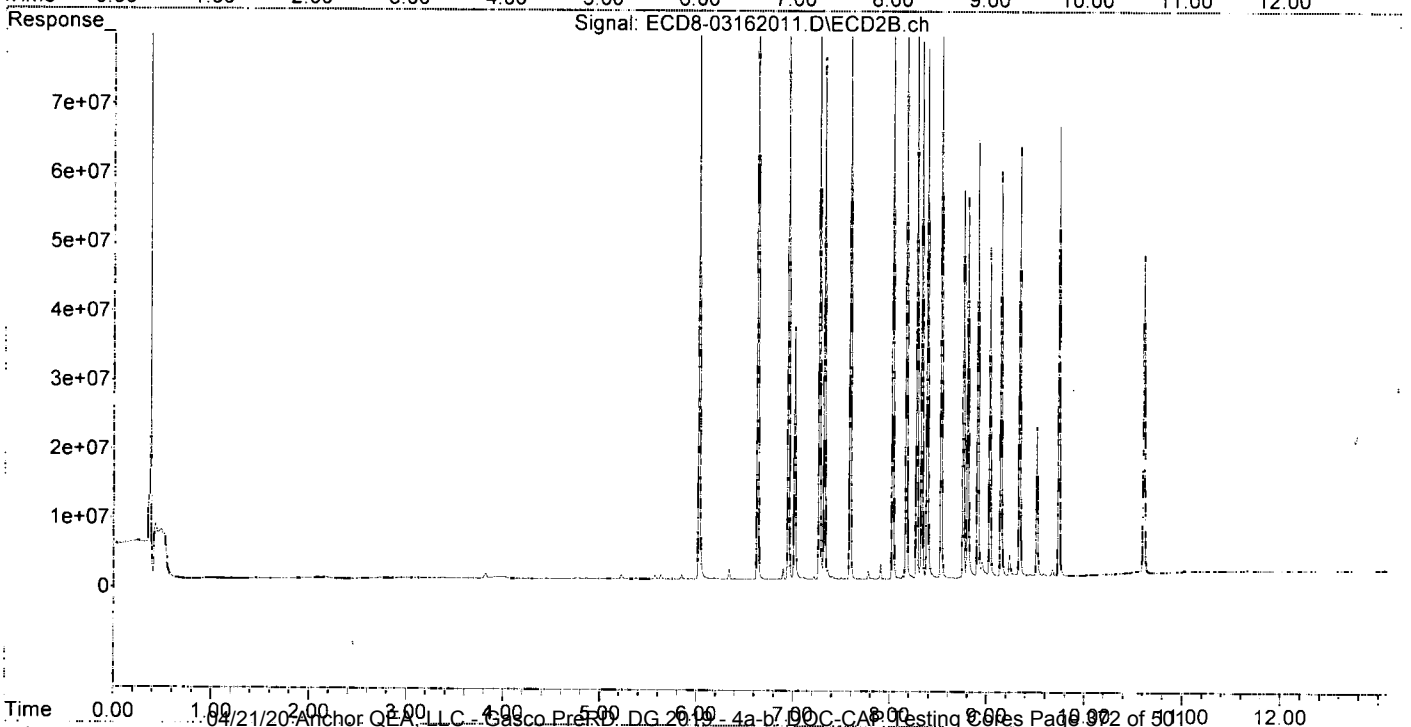
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:49
Operator : MJB
Sample : 0C16047-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:06
Operator : MJB
Sample : 0C16047-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20.

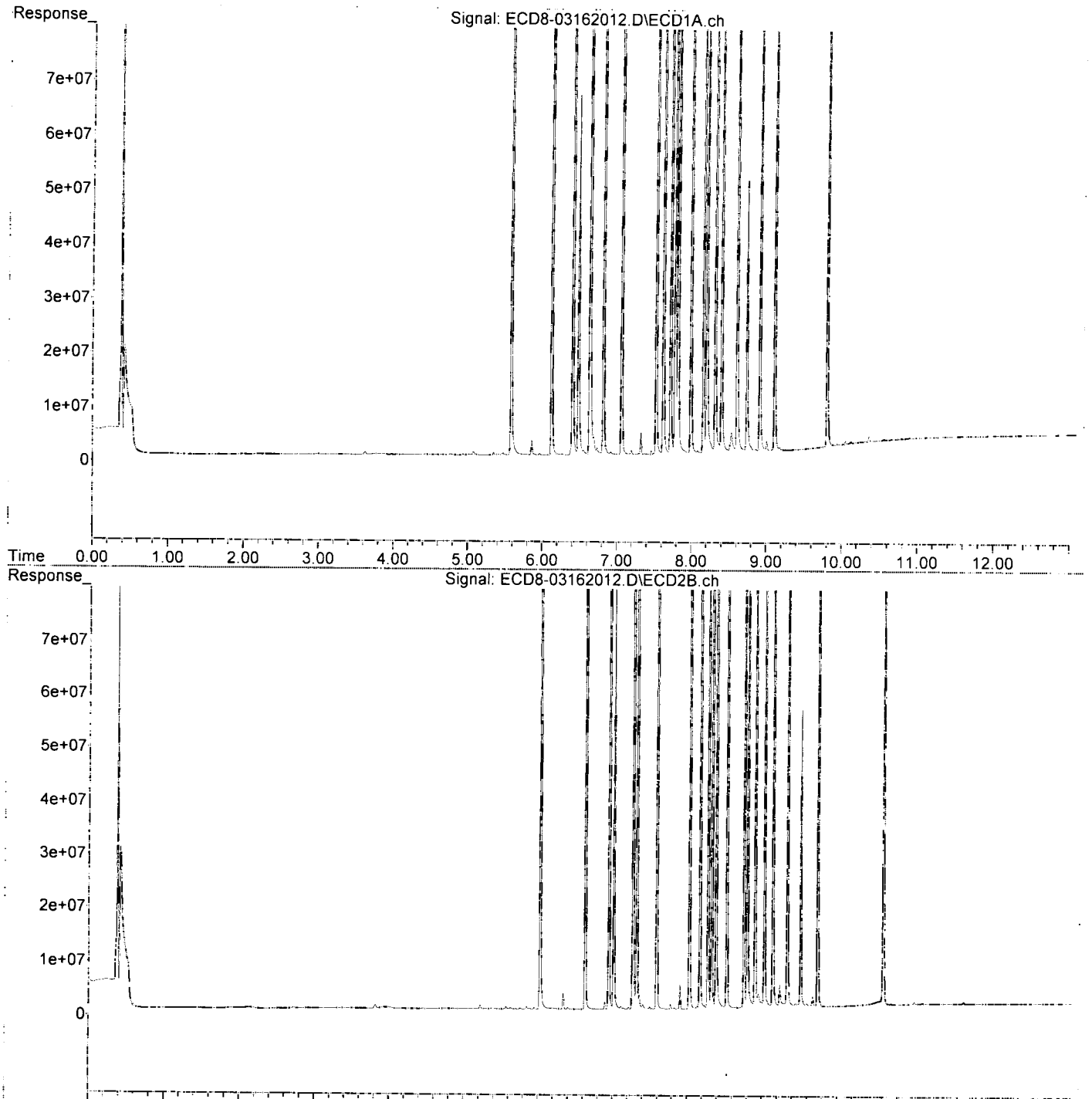
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.579	6.024	152.8E6	184.0E6	48.355	49.965	
22)	S	DCBP (S)	9.808	10.606	106.2E6	99929460	48.725	50.636	
		Target Compounds							
2)		a-BHC	6.122	6.630	213.3E6	246.6E6	50.011	51.976	
3)		g-BHC	6.405	6.948	182.2E6	203.7E6	49.933	52.594	
4)		b-BHC	6.481	7.012	66396150	81371984	52.701	49.723	
5)		Heptachlor	6.818	7.322	171.7E6	178.7E6	50.724	50.915	
6)		d-BHC	6.634	7.268	144.9E6	187.6E6	52.200	52.310	
7)		Aldrin	7.062	7.589	172.7E6	197.1E6	50.707	52.205	
8)		Heptachlo...	7.525	8.028	159.8E6	175.2E6	49.944	51.414	
9)		trans-Chl...	7.621	8.168	154.6E6	177.9E6	49.452	52.335	
10)		cis-Chlor...	7.719	8.275	152.7E6	173.5E6	48.967	50.679	
11)		Endosulfa...	7.818	8.326	147.3E6	158.5E6	49.948	50.373	
12)		4,4'-DDE	7.777	8.383	137.6E6	172.6E6	51.202	52.846	
13)		Dieldrin	7.990	8.527	168.5E6	179.4E6	51.371	50.536	
14)		Endrin	8.158	8.756	135.9E6	140.9E6	52.217	52.945	
15)		4,4'-DDD	8.202	8.801	102.0E6	124.4E6	49.184	52.776	
16)		Endosulfa...	8.316	8.904	122.2E6	139.0E6	49.041	52.785	
17)		4,4'-DDT	8.400	9.027	109.3E6	121.8E6	53.003	53.899	
18)		Endrin Al...	8.608	9.142	114.9E6	123.4E6	49.291	47.794	
19)		Endosulfa...	8.913	9.334	120.1E6	133.1E6	48.638	49.980	
20)		Methoxychlor	8.739	9.511	49908056	55305678	52.868	52.975	
21)		Endrin Ke...	9.110	9.737	140.1E6	143.1E6	47.924	52.981	
23)		Hexachlor...	0.000	3.752f	0	13368	N.D.	BelowCal	
24)		Hexachlor...	5.963	6.491	346524	11320	0.109	BelowCal	#
25)		Oxychlordane	7.461	7.952	735842	49597	0.256	0.015	#
26)		2,4'-DDE	7.525	8.168	159.8E6	177.9E6	86.434	73.620	
27)		trans-Non...	7.719	8.228	152.7E6	683888	48.624	0.103	#
28)		2,4'-DDD	0.000	8.527	0	179.4E6	N.D.	90.817	#
29)		2,4'-DDT	8.083	8.756	474614	140.9E6	0.251	65.777	#
30)		cis-Nonac...	8.202f	8.801	102.0E6	124.4E6	29.520	32.170	
31)		Mirex	8.862	9.737	326828	143.1E6	0.143	65.316	#
32)		Chlordane...	7.621	8.168	154.6E6	177.9E6	446.032	401.940	
33)		Chlordane...	7.719	8.275	152.7E6	173.5E6	364.777	451.085	
34)		Chlordane...	0.000	8.948	0	2562554	N.D.	21.026	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.719f	8.527f	152.7E6	179.4E6	11233.972	5756.718	#
37)		Toxaphene...	7.990	0.000	168.5E6	0	6041.933	N.D.	#
38)		Toxaphene...	8.316	8.904	122.2E6	139.0E6	1991.185	2178.462	
39)		Toxaphene...	8.533	8.948	3680817	2562554	60.211	24.305	#
40)		Toxaphene...	8.739f	9.142	49908056	123.4E6	1041.267	2161.961	#
41)		Toxaphene...	8.849	9.511	273653	55305678	4.528	904.010	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:06
Operator : MJB
Sample : 0C16047-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:22 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:22
Operator : MJB
Sample : 0C16047-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

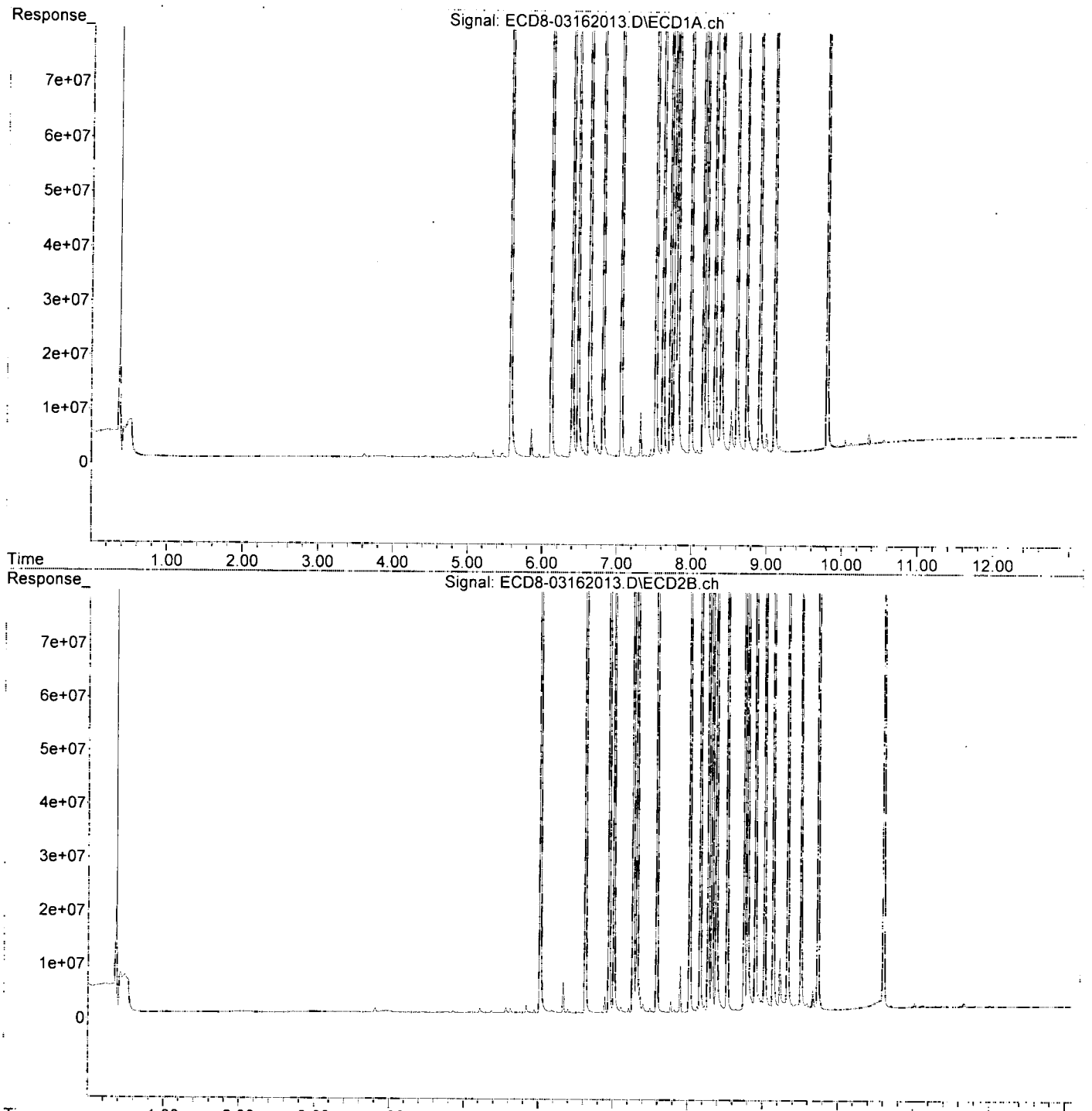
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.024	298.9E6	380.5E6	94.563	103.309	
22)	S	DCBP (S)	9.807	10.605	210.1E6	202.8E6	96.434	99.200	
		Target Compounds							
2)		a-BHC	6.122	6.630	429.6E6	520.3E6	100.707	103.296	
3)		g-BHC	6.406	6.948	373.8E6	422.3E6	102.456	109.028	
4)		b-BHC	6.481	7.012	139.4E6	167.3E6	103.088	102.241	
5)		Heptachlor	6.818	7.322	346.6E6	373.8E6	102.379	106.482	
6)		d-BHC	6.633	7.268	309.6E6	401.7E6	101.763	102.113	
7)		Aldrin	7.061	7.588	354.8E6	424.4E6	104.183	112.436	
8)		Heptachlo...	7.524	8.027	312.6E6	367.3E6	97.689	107.759	
9)		trans-Chl...	7.620	8.167	319.7E6	376.5E6	102.243	101.737	
10)		cis-Chlor...	7.718	8.275	310.1E6	361.3E6	99.433	105.544	
11)		Endosulfa...	7.817	8.325	296.0E6	338.9E6	100.387	107.722	
12)		4,4'-DDE	7.776	8.382	290.3E6	368.8E6	108.066	103.546	
13)		Dieldrin	7.990	8.527	339.9E6	394.2E6	103.646	102.522	
14)		Endrin	8.157	8.756	266.9E6	295.6E6	102.588	101.588	
15)		4,4'-DDD	8.201	8.799	216.6E6	256.7E6	104.437	99.554	
16)		Endosulfa...	8.315	8.904	251.4E6	283.5E6	100.911	99.564	
17)		4,4'-DDT	8.399	9.027	230.6E6	258.7E6	102.782	102.142	
18)		Endrin Al...	8.607	9.141	231.4E6	272.2E6	99.253	105.421	
19)		Endosulfa...	8.912	9.334	241.1E6	277.4E6	97.678	104.196	
20)		Methoxychlor	8.737	9.510	96827982	110.2E6	97.650	97.936	
21)		Endrin Ke...	9.109	9.736	286.3E6	295.1E6	97.918	100.127	
23)		Hexachlor...	0.000	3.743f	0	10841	N.D.	BelowCal	
24)		Hexachlor...	5.963	6.490	615837	20014	0.194	BelowCal	#
25)		Oxychlordane	7.460	7.952	1373558	96509	0.478	0.030	#
26)		2,4'-DDE	7.524	8.167	312.6E6	376.5E6	169.064	139.972	
27)		trans-Non...	7.718	8.229	310.1E6	1199181	98.738	0.266	#
28)		2,4'-DDD	7.897	8.527	1029570	394.2E6	0.669	175.048	#
29)		2,4'-DDT	8.081	8.756	944226	295.6E6	0.499	123.477	#
30)		cis-Nonac...	8.201	8.799	216.6E6	256.7E6	62.683	62.814	
31)		Mirex	8.862	9.736	809781	295.1E6	0.354	124.168	#
32)		Chlordane...	7.620	8.167	319.7E6	376.5E6	922.179	850.809	
33)		Chlordane...	7.718	8.275	310.1E6	361.3E6	740.725	939.420	#
34)		Chlordane...	0.000	8.947	0	3247049	N.D.	27.545	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.718f	8.527f	310.1E6	394.2E6	22811.983	12647.842	#
37)		Toxaphene...	7.990	0.000	339.9E6	0	12190.149	N.D.	#
38)		Toxaphene...	8.315	8.904	251.4E6	283.5E6	4097.262	4442.327	
39)		Toxaphene...	8.532	8.947	8113963	3247049	132.730	30.797	#
40)		Toxaphene...	8.737f	9.141	96827982	272.2E6	2020.191	4768.693	#
41)		Toxaphene...	8.862	9.510	809781	110.2E6	13.400	1801.928	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:22
Operator : MJB
Sample : 0C16047-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:39
Operator : MJB
Sample : 0C16047-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

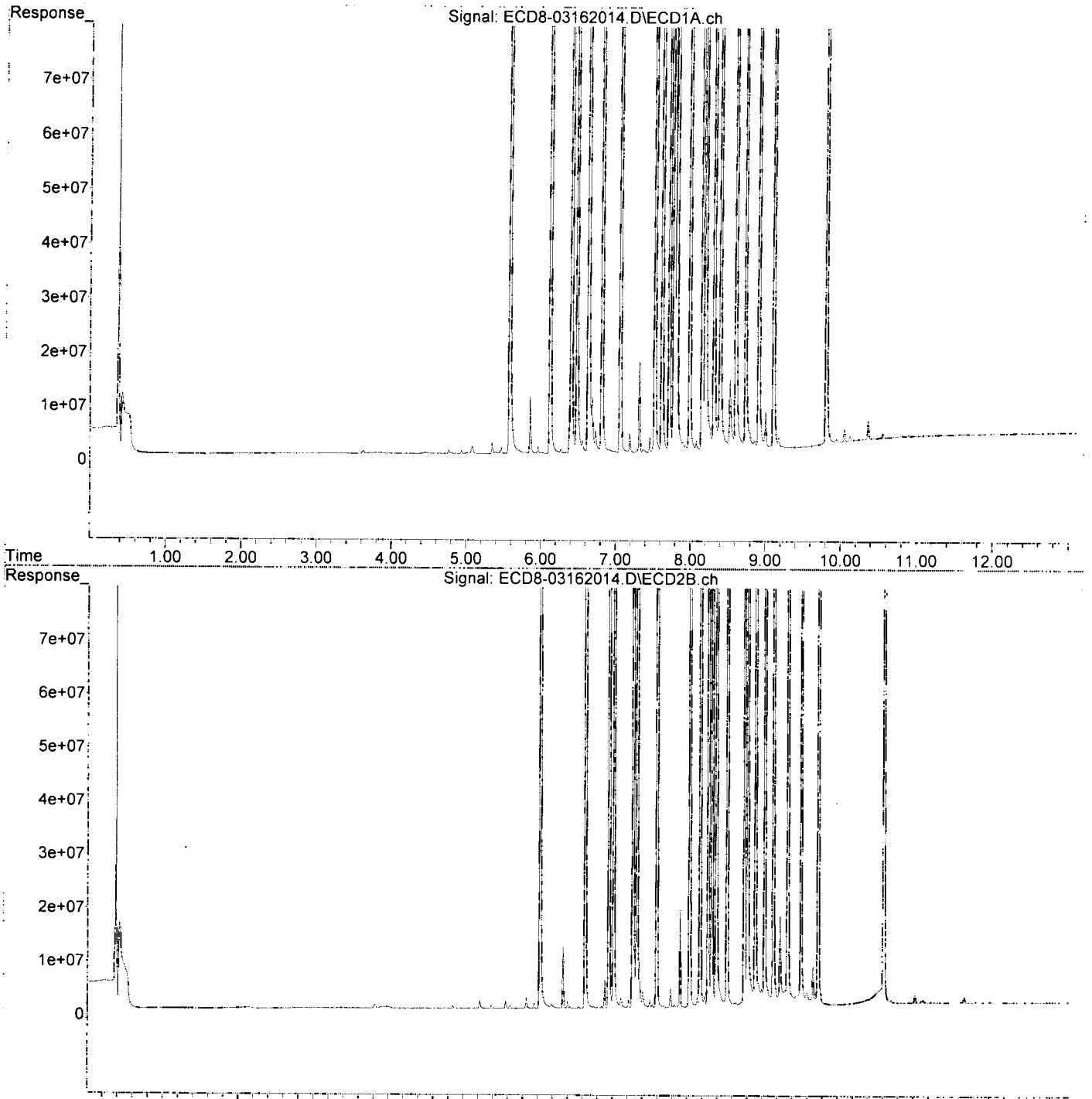
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.580	6.025	631.5E6	804.1E6	199.792	218.326
22)	S	DCBP (S)	9.806	10.606	452.1E6	442.6E6	206.214	201.013
		Target Compounds						
2)		a-BHC	6.122	6.631	901.9E6	1088.3E6	211.457	195.675
3)		g-BHC	6.406	6.949	770.2E6	915.9E6	211.111	236.487
4)		b-BHC	6.480	7.012	299.4E6	383.3E6	196.186	234.230
5)		Heptachlor	6.818	7.322	716.1E6	835.7E6	211.518	238.068
6)		d-BHC	6.633	7.267	703.0E6	904.4E6	197.545	196.897
7)		Aldrin	7.061	7.589	737.4E6	896.4E6	216.551	237.483
8)		Heptachlo...	7.524	8.028	669.9E6	788.0E6	209.352	231.196
9)		trans-Chl...	7.620	8.168	678.6E6	843.9E6	216.985	196.755
10)		cis-Chlor...	7.717	8.275	655.2E6	797.0E6	210.081	232.845
11)		Endosulfa...	7.817	8.326	596.2E6	760.6E6	202.192	241.768
12)		4,4'-DDE	7.775	8.383	618.8E6	801.6E6	230.341	195.532
13)		Dieldrin	7.990	8.528	701.6E6	863.2E6	213.953	197.002
14)		Endrin	8.157	8.757	559.7E6	674.6E6	215.102	198.059
15)		4,4'-DDD	8.200	8.800	475.5E6	606.3E6	229.307	198.692
16)		Endosulfa...	8.315	8.904	549.5E6	655.1E6	220.550	198.401
17)		4,4'-DDT	8.399	9.028	509.5E6	605.8E6	196.672	197.030
18)		Endrin Al...	8.606	9.142	487.4E6	606.1E6	209.029	234.714
19)		Endosulfa...	8.912	9.334	503.6E6	613.5E6	203.991	230.425
20)		Methoxychlor	8.735	9.510	222.8E6	264.9E6	201.629	201.220
21)		Endrin Ke...	9.109	9.738	604.7E6	686.0E6	206.831	197.941
23)		Hexachlor...	3.375	3.739	50105	7417	0.014	BelowCal #
24)		Hexachlor...	5.963	6.490	1256554	42555	0.396	BelowCal #
25)		Oxychlordane	7.459	7.952	2799082	167577	0.974	0.052 #
26)		2,4'-DDE	7.524	8.168	669.9E6	843.9E6	362.313	263.597 #
27)		trans-Non...	7.717	8.229	655.2E6	1954794	208.613	0.504 #
28)		2,4'-DDD	7.900	8.528	1677503	863.2E6	1.091	317.333 #
29)		2,4'-DDT	8.081	8.757	1919137	674.6E6	1.015	234.145 #
30)		cis-Nonac...	8.200	8.800	475.5E6	606.3E6	137.631	132.042
31)		Mirex	8.861	9.738	1428350	686.0E6	0.625	247.364 #
32)		Chlordane...	7.620	8.168	678.6E6	843.9E6	1957.097	1906.772
33)		Chlordane...	7.717	8.275	655.2E6	797.0E6	1565.002	2072.499 #
34)		Chlordane...	0.000	8.945	0	4425020	N.D.	38.739 #
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)		Toxaphene...	7.717f	8.528f	655.2E6	863.2E6	48197.087	27694.695 #
37)		Toxaphene...	7.990	0.000	701.6E6	0	25163.550	N.D. #
38)		Toxaphene...	8.315	8.904	549.5E6	655.1E6	8954.945	10264.991
39)		Toxaphene...	8.531	8.945	13039353	4425020	213.300	41.970 #
40)		Toxaphene...	8.790	9.142	3121003	606.1E6	65.116	10617.244 #
41)		Toxaphene...	8.861	9.510	1428350	264.9E6	23.636	4329.808 #
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:39
Operator : MJB
Sample : 0C16047-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:09:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

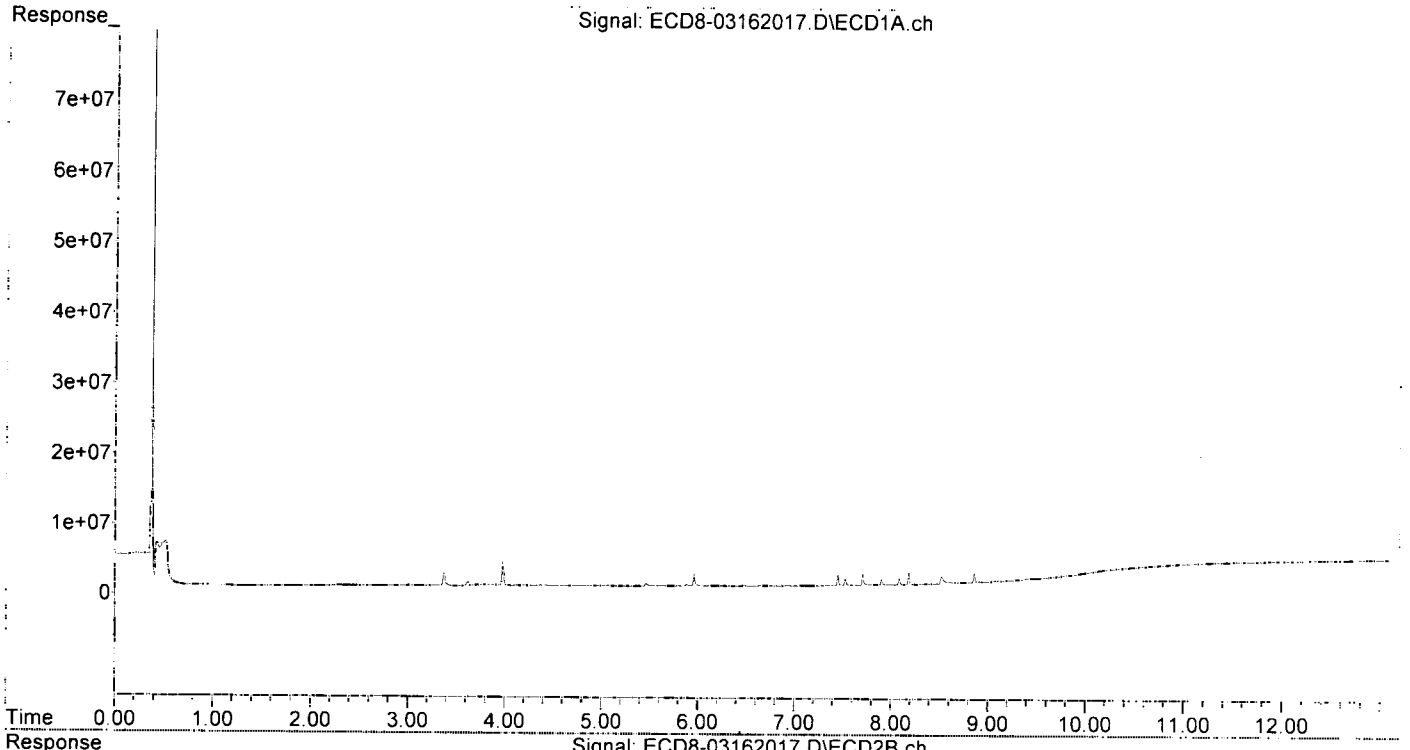
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.579	6.042	51372	273811	0.016	0.074	#
22)	S	DCBP (S)	9.811	10.604	350390	312633	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.120	6.629	46687	29152	0.011	0.053	#
3)		g-BHC	6.406	6.950	29335	26843	0.008	0.007	
4)		b-BHC	6.474	7.015	65502	42928	BelowCal	0.026	
5)		Heptachlor	6.820	7.325	29006	32989	0.009	0.009	
6)		d-BHC	6.638	7.271	69933	114235	BelowCal	0.032	
7)		Aldrin	7.062	7.588	31974	29533	0.009	0.008	
8)		Heptachlo...	7.529	8.028	956672	52947	0.299	0.016	#
9)		trans-Chl...	7.624	8.163	44404	1158935	0.014	0.211	#
10)		cis-Chlor...	7.710	8.277	1717828	91544	0.551	0.027	#
11)		Endosulfa...	7.820	8.327	62018	62422	0.021	0.020	
12)		4,4'-DDE	7.781	8.386	104345	50234	0.039	BelowCal	#
13)		Dieldrin	7.993	8.537	50102	1045189	0.015	0.296	#
14)		Endrin	8.158	8.761	24671	1100621	0.009	0.446	#
15)		4,4'-DDD	8.184	8.800	1811776	2027955	0.874	0.900	
16)		Endosulfa...	8.320	8.907	76319	99175	0.031	BelowCal	#
17)		4,4'-DDT	8.407	0.000	21831	0	BelowCal	N.D.	
18)		Endrin Al...	8.611	9.144	248316	237211	0.106	0.092	
19)		Endosulfa...	8.916	9.335	142241	205744	0.058	0.077	#
20)		Methoxychlor	8.739	9.513	32292	66941	BelowCal	BelowCal	
21)		Endrin Ke...	9.113	9.729	151057	1673200	0.052	0.462	#
23)		Hexachlor...	3.370	3.723	1888302	2253210	0.544	0.496	
24)		Hexachlor...	5.962	6.489	1831455	2036158	0.577	0.495	
25)		Oxychlordane	7.454	7.957	1624032	1805362	0.565	0.555	
26)		2,4'-DDE	7.529	8.163	956672	1158935	0.517	0.491	
27)		trans-Non...	7.710	8.231	1717828	1907827	0.547	0.489	
28)		2,4'-DDD	7.905	8.537	837824	1045189	0.545	0.494	
29)		2,4'-DDT	8.086	8.761	999176	1100621	0.528	0.498	
30)		cis-Nonac...	8.184	8.800	1811776	2027955	0.524	0.502	
31)		Mirex	8.861	9.729	1353238	1673200	0.592	0.485	
32)		Chlordane...	7.624	8.163	44404	1158935	0.128	2.619	#
33)		Chlordane...	7.710	8.277	1717828	91544	4.103	0.238	#
34)		Chlordane...	8.260	8.954	16465	1529516	0.146	11.169	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.710	8.495	1717828	7059	126.369	0.226	#
37)		Toxaphene...	7.993	8.859	50102	15957	1.797	0.393	#
38)		Toxaphene...	8.320	8.889	76319	77898	1.244	1.221	
39)		Toxaphene...	8.524	8.954	1060564	1529516	17.349	14.507	
40)		Toxaphene...	8.778	9.144	14892	237211	0.311	4.156	#
41)		Toxaphene...	8.834	9.513	6756	66941	0.112	1.094	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

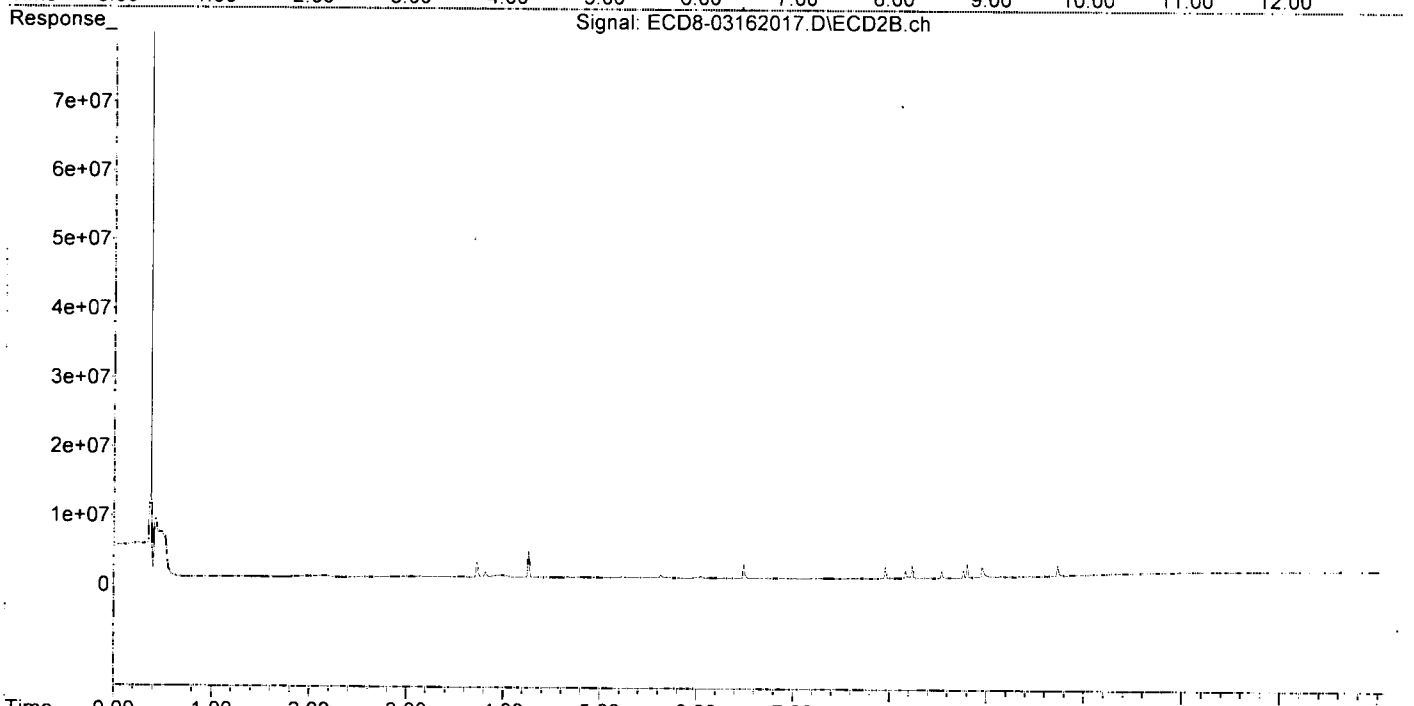
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 12:10:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:45
Operator : MJB
Sample : 0C16047-CALB
Misc : A19K263, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:10:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

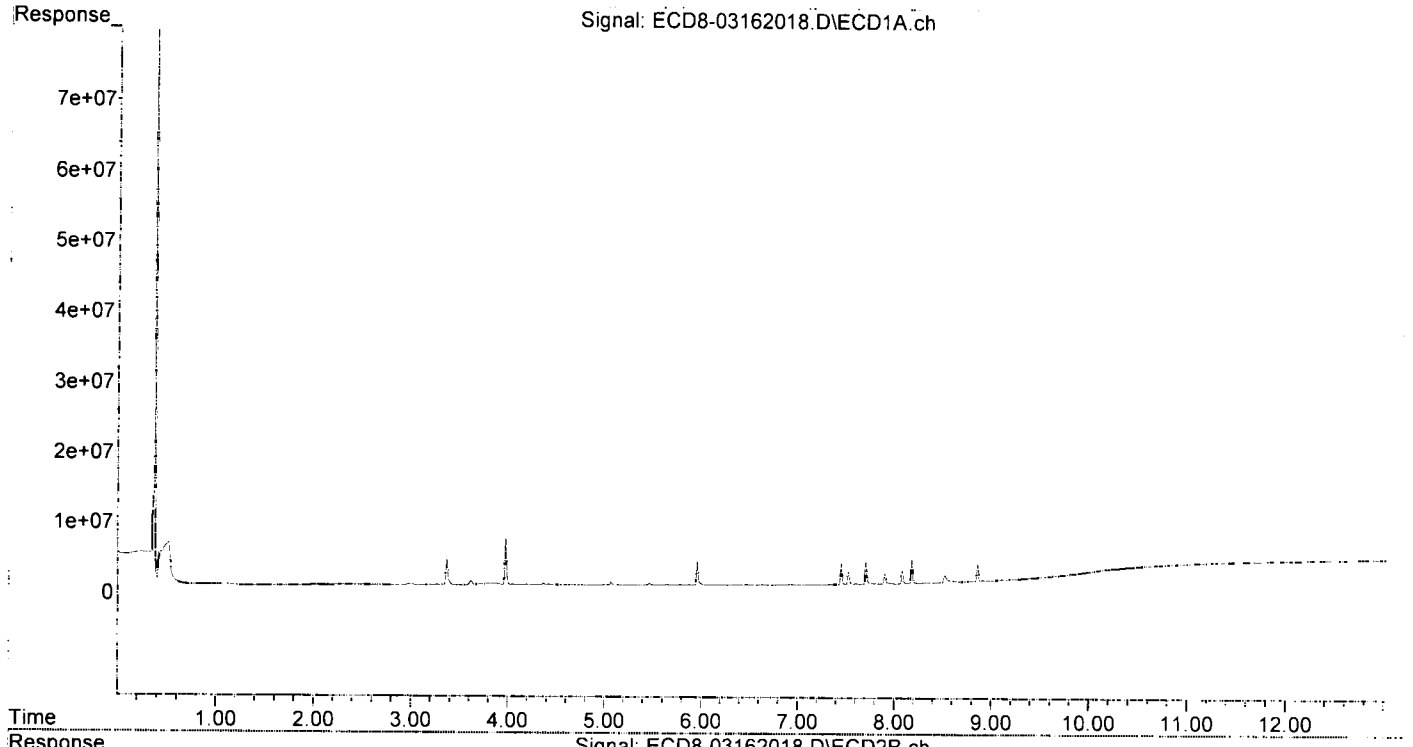
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.578	6.039	23371	109493	0.007	0.030	#
22)	S	DCBP (S)	9.809	10.607	299459	277015	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.119	6.631	50751	21096	0.012	0.051	#
3)		g-BHC	6.410	6.949	25190	22191	0.007	0.006	
4)		b-BHC	6.473	7.016	118771	44009	BelowCal	0.027	
5)		Heptachlor	6.823	7.325	36840	36330	0.011	0.010	
6)		d-BHC	6.639	7.270	76809	115678	0.002	0.032	#
7)		Aldrin	7.064	7.589	32160	20756	0.009	0.005	#
8)		Heptachlo...	7.528	8.028	1839998	49684	0.575	0.015	#
9)		trans-Chl...	7.621	8.162	90329	2298754	0.029	0.583	#
10)		cis-Chlor...	7.710	8.274	3128481	104756	1.003	0.031	#
11)		Endosulfa...	7.818	8.325	48677	53361	0.017	0.017	
12)		4,4'-DDE	0.000	8.385	0	41119	N.D.	BelowCal	
13)		Dieldrin	7.992	8.536	51624	1890535	0.016	0.554	#
14)		Endrin	8.185f	8.761	3417532	2002502	1.313	0.823	#
15)		4,4'-DDD	8.185	8.799	3417532	3797349	1.648	1.736	
16)		Endosulfa...	8.305	8.906	91679	89676	0.037	BelowCal	#
17)		4,4'-DDT	8.403	9.048f	14386	122489	BelowCal	BelowCal	
18)		Endrin Al...	8.612	9.143	216999	174923	0.093	0.068	#
19)		Endosulfa...	8.915	9.335	112591	154223	0.046	0.058	#
20)		Methoxychlor	8.742	9.510	31852	52399	BelowCal	BelowCal	
21)		Endrin Ke...	9.113	9.729	112947	2726267	0.039	0.898	#
23)		Hexachlor...	3.370	3.723	3638948	4425865	1.049	1.036	
24)		Hexachlor...	5.963	6.490	3317814	3691223	1.046	1.001	
25)		Oxychlordane	7.453	7.956	3025091	3280899	1.052	1.009	
26)		2,4'-DDE	7.528	8.162	1839998	2298754	0.995	1.029	
27)		trans-Non...	7.710	8.231	3128481	3625130	0.996	1.030	
28)		2,4'-DDD	7.904	8.536	1556511	1890535	1.012	0.997	
29)		2,4'-DDT	8.086	8.761	1876602	2002502	0.992	0.985	
30)		cis-Nonac...	8.185	8.799	3417532	3797349	0.989	0.989	
31)		Mirex	8.861	9.729	2451332	2726267	1.073	1.019	
32)		Chlordane...	7.621	8.162	90329	2298754	0.261	5.194	#
33)		Chlordane...	7.710	8.274	3128481	104756	7.473	0.272	#
34)		Chlordane...	8.251	8.954	17490	1475734	0.155	10.656	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.710	8.509	3128481	5613	230.141	0.180	#
37)		Toxaphene...	7.992	8.891f	51624	125586	1.852	3.091	#
38)		Toxaphene...	8.305	8.891	91679	125586	1.494	1.968	#
39)		Toxaphene...	8.524	8.954	1019910	1475734	16.684	13.997	
40)		Toxaphene...	8.742f	9.143	31852	174923	0.665	3.064	#
41)		Toxaphene...	8.861	9.510	2451332	52399	40.564	0.856	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

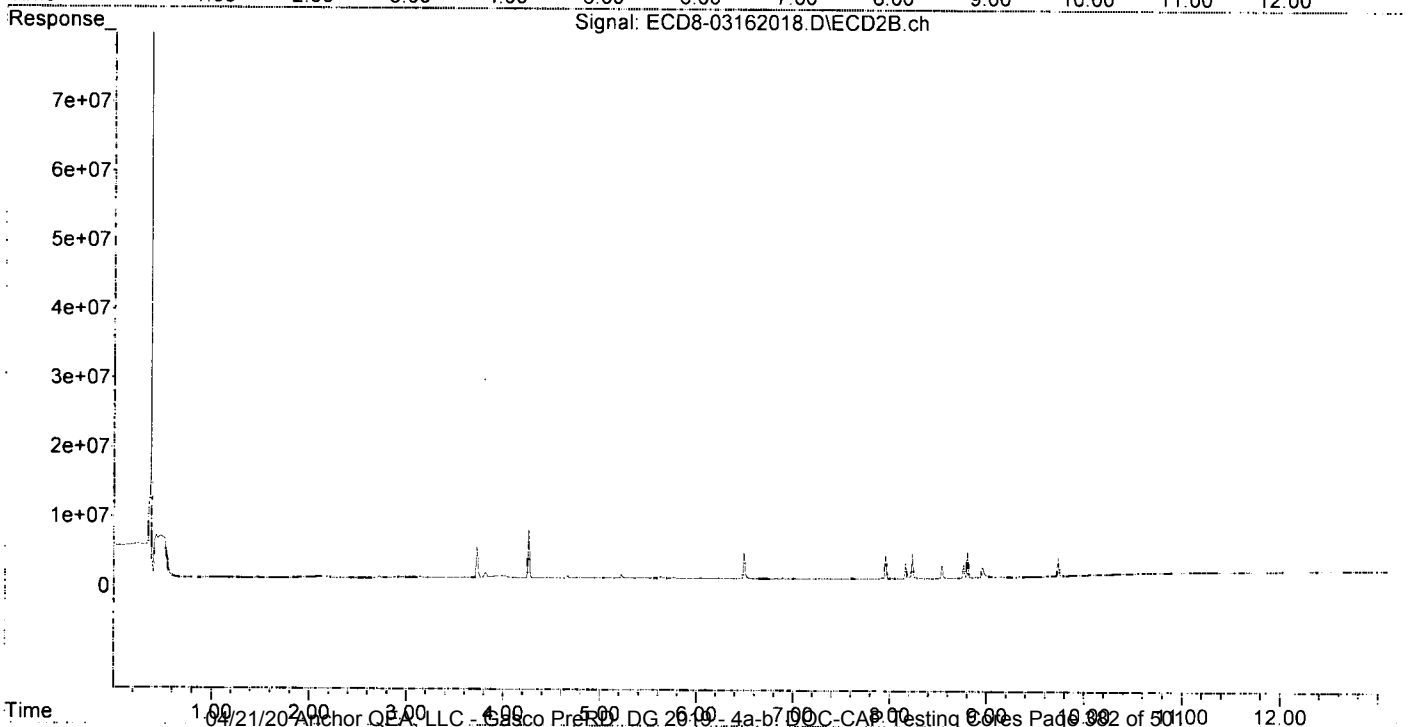
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:45
Operator : MJB
Sample : 0C16047-CALB
Misc : A19K263, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:10:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:01
Operator : MJB
Sample : 0C16047-CALC
Misc : A19K264, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:10:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

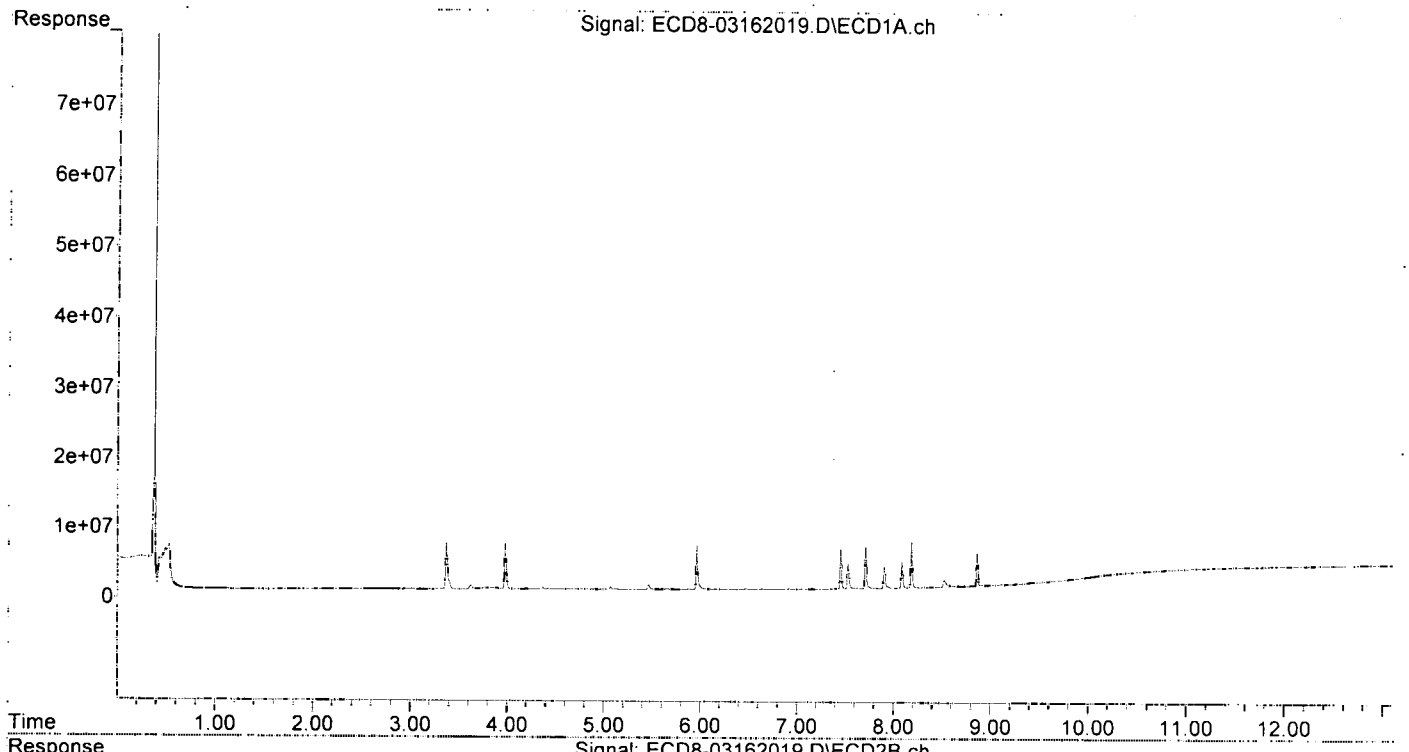
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.578	6.039	39919	94278	0.013	0.026	#
22)	S DCBP (S)	9.810	10.606	316675	288556	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	6.116	6.629	67451	14870	0.016	0.050	#
3)	g-BHC	6.408	6.947	34718	22202	0.010	0.006	#
4)	b-BHC	6.472	7.017	124043	44852	BelowCal	0.027	
5)	Heptachlor	6.820	7.321	38995	36724	0.012	0.010	
6)	d-BHC	6.638	7.271	80366	121807	0.003	0.034	#
7)	Aldrin	7.061	7.569	29002	4397	0.009	0.001	#
8)	Heptachlo...	7.527	8.028	3575830	64293	1.118	0.019	#
9)	trans-Chl...	7.620	8.162	125609	4408622	0.040	1.269	#
10)	cis-Chlor...	7.710	0.000	6016432	0	1.929	N.D.	#
11)	Endosulfa...	7.816	8.324	52490	53034	0.018	0.017	
12)	4,4'-DDE	7.816f	8.384	52490	29584	0.020	BelowCal	#
13)	Dieldrin	7.991	8.537	62148	3780582	0.019	1.132	#
14)	Endrin	8.155	8.761	31770	4050268	0.012	1.676	#
15)	4,4'-DDD	8.184	8.799	6687812	7483777	3.225	3.470	
16)	Endosulfa...	8.302	8.905	112069	76951	0.045	BelowCal	#
17)	4,4'-DDT	8.404	0.000	21985	0	BelowCal	N.D.	
18)	Endrin Al...	8.609	9.143	200787	131152	0.086	0.051	#
19)	Endosulfa...	8.915	9.335	122609	143118	0.050	0.054	
20)	Methoxychlor	8.744	9.512	24668	47967	BelowCal	BelowCal	
21)	Endrin Ke...	9.112	9.728	133735	4979688	0.046	1.828	#
23)	Hexachlor...	3.370	3.723	6689821	8109402	1.929	1.950	
24)	Hexachlor...	5.962	6.489	6267149	7158536	1.975	2.060	
25)	Oxychlordane	7.453	7.956	5659468	6223694	1.969	1.914	
26)	2,4'-DDE	7.527	8.162	3575830	4408622	1.934	2.023	
27)	trans-Non...	7.710	8.231	6016432	6911208	1.916	2.063	
28)	2,4'-DDD	7.903	8.537	3059096	3780582	1.989	2.119	
29)	2,4'-DDT	8.085	8.761	3717100	4050268	1.965	2.084	
30)	cis-Nonac...	8.184	8.799	6687812	7483777	1.936	2.000	
31)	Mirex	8.861	9.728	4750118	4979688	2.079	2.158	
32)	Chlordane...	7.620	8.162	125609	4408622	0.362	9.961	#
33)	Chlordane...	7.710	0.000	6016432	0	14.371	N.D.	#
34)	Chlordane...	8.277	8.953	16909	1528757	0.150	11.162	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.710	8.537f	6016432	3780582	442.587	121.292	#
37)	Toxaphene...	7.991	8.889f	62148	132257	2.229	3.255	#
38)	Toxaphene...	8.302	8.889	112069	132257	1.826	2.072	
39)	Toxaphene...	8.524	8.953	989250	1528757	16.182	14.500	
40)	Toxaphene...	8.777	9.143	8607	131152	0.180	2.298	#
41)	Toxaphene...	8.861	9.512	4750118	47967	78.603	0.784	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

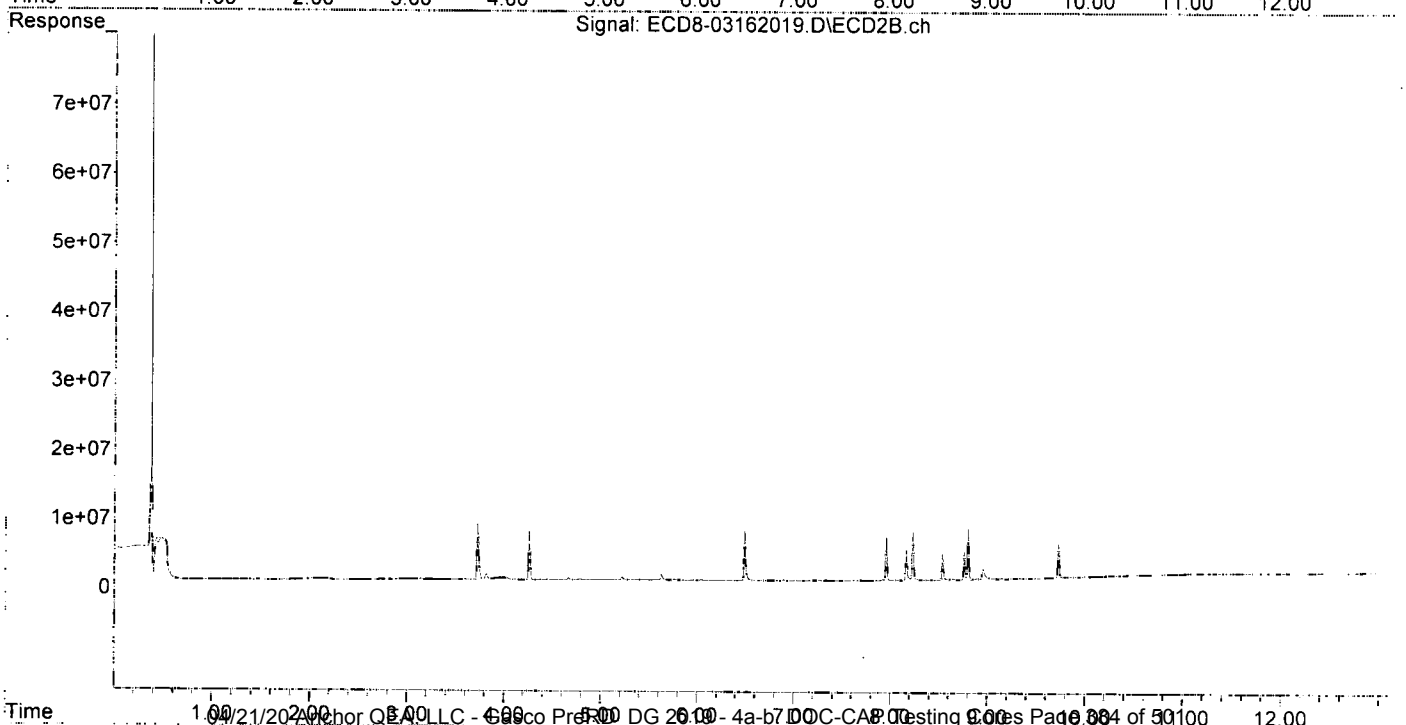
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:01
Operator : MJB
Sample : 0C16047-CALC
Misc : A19K264, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:10:45 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:18
Operator : MJB
Sample : 0C16047-CALD
Misc : A19K265, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:10:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

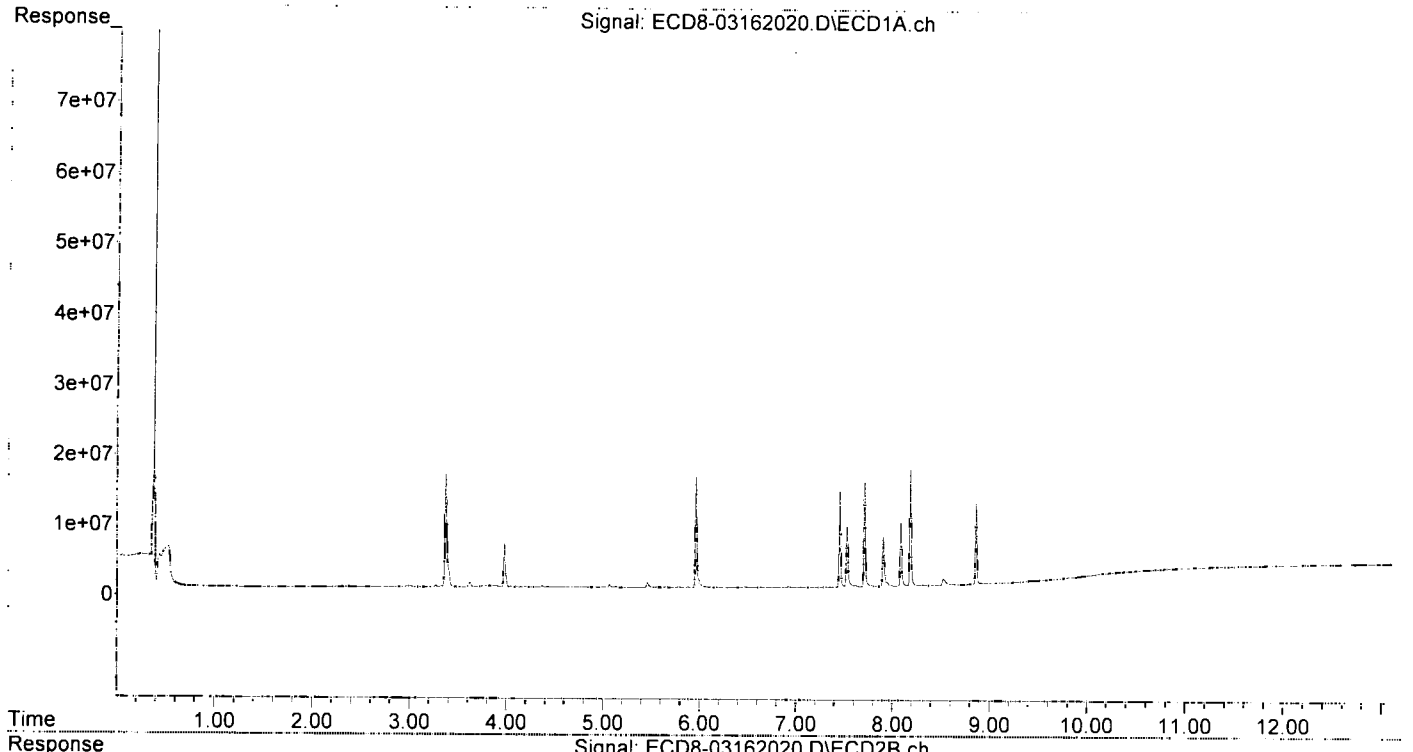
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.038	29266	101571	0.009	0.028	#
22)	S	DCBP (S)	9.808	10.606	326526	119823	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.116	6.626	76282	52622	0.018	0.058	#
3)		g-BHC	6.404	6.947	30553	23407	0.008	0.006	#
4)		b-BHC	6.471	7.014	117053	41934	BelowCal	0.026	
5)		Heptachlor	6.819	7.323	50065	51486	0.015	0.015	
6)		d-BHC	6.638	7.270	66839	101915	BelowCal	0.028	
7)		Aldrin	7.060	7.589	33665	23270	0.010	0.006	#
8)		Heptachlo...	7.527	8.026	8731473	120070	2.729	0.035	#
9)		trans-Chl...	7.621	8.162	231959	10968019	0.074	3.390	#
10)		cis-Chlor...	7.709	0.000	14858209	0	4.764	N.D.	#
11)		Endosulfa...	7.817	8.324	77955	89212	0.026	0.028	
12)		4,4'-DDE	0.000	8.386	0	33414	N.D.	BelowCal	
13)		Dieldrin	7.989	8.536	118377	8794391	0.036	2.659	#
14)		Endrin	8.183f	8.760	16639578	9672146	6.395	4.003	#
15)		4,4'-DDD	8.183	8.799	16639578	18827873	8.024	8.721	
16)		Endosulfa...	8.304	8.900	108872	103963	0.044	BelowCal	#
17)		4,4'-DDT	8.405	0.000	17519	0	BelowCal	N.D.	
18)		Endrin Al...	8.611	9.143	181443	137066	0.078	0.053	#
19)		Endosulfa...	8.913	9.334	140171	103794	0.057	0.039	#
20)		Methoxychlor	8.743	9.517	24436	32352	BelowCal	BelowCal	
21)		Endrin Ke...	9.112	9.728	99519	10818555	0.034	4.220	#
23)		Hexachlor...	3.369	3.722	16157791	19894762	4.659	4.858	
24)		Hexachlor...	5.962	6.489	15719132	17354305	4.955	5.149	
25)		Oxychlordane	7.452	7.956	13684840	15109020	4.761	4.646	
26)		2,4'-DDE	7.527	8.162	8731473	10968019	4.723	5.089	
27)		trans-Non...	7.709	8.231	14858209	16219222	4.731	4.966	
28)		2,4'-DDD	7.903	8.536	7042541	8794391	4.579	5.072	✓
29)		2,4'-DDT	8.085	8.760	9009823	9672146	4.764	5.074	
30)		cis-Nonac...	8.183	8.799	16639578	18827873	4.816	5.086	
31)		Mirex	8.860	9.728	11523641	10818555	5.045	5.089	
32)		Chlordane...	7.621	8.162	231959	10968019	0.669	24.782	#
33)		Chlordane...	7.709	0.000	14858209	0	35.491	N.D.	#
34)		Chlordane...	8.304f	8.954	108872	1394800	0.965	9.882	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.709	8.492	14858209	6619	1093.015	0.212	#
37)		Toxaphene...	7.989	8.888f	118377	143249	4.246	3.525	
38)		Toxaphene...	8.304	8.888	108872	143249	1.774	2.244	#
39)		Toxaphene...	8.524	8.954	929035	1394800	15.197	13.229	
40)		Toxaphene...	8.766	9.143	11949	137066	0.249	2.401	#
41)		Toxaphene...	8.828	9.517	10679	32352	0.177	0.529	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

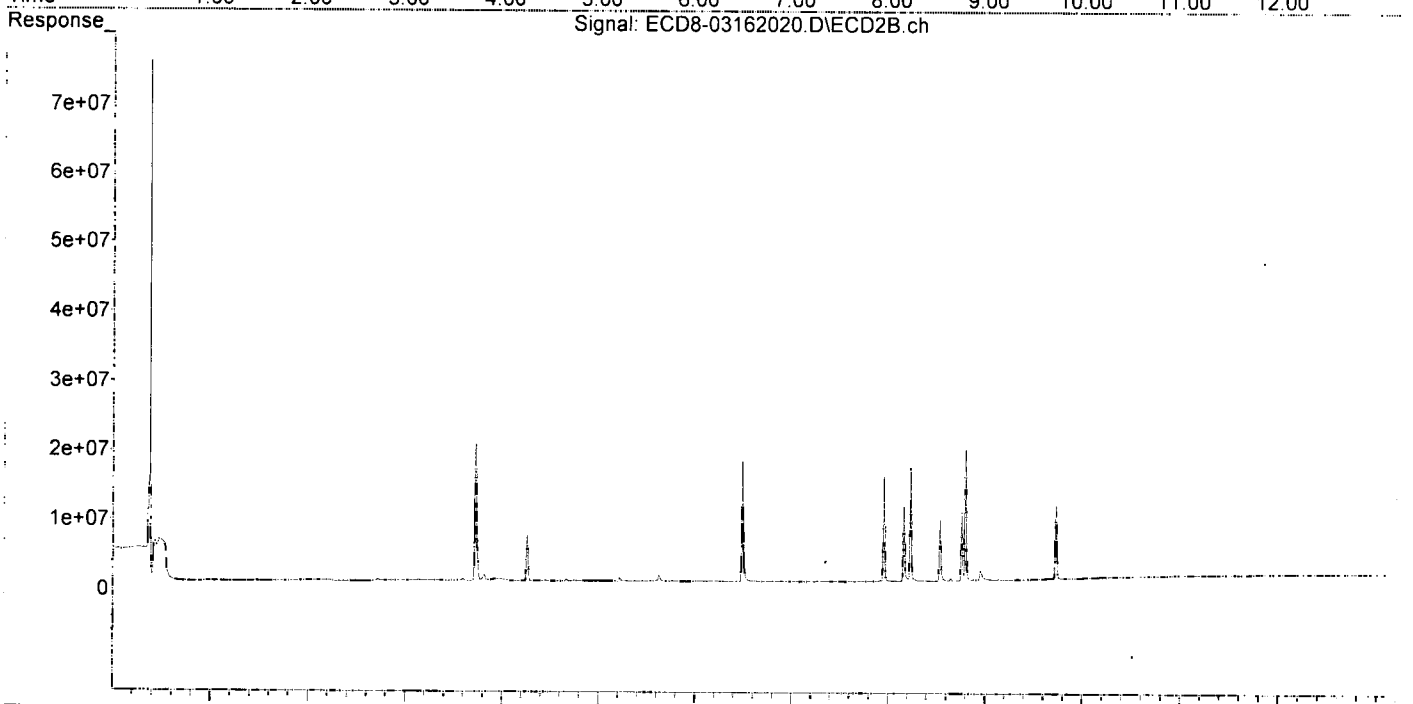
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:18
Operator : MJB
Sample : 0C16047-CALD
Misc : A19K265, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:10:56 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:34
Operator : MJB
Sample : 0C16047-CALE
Misc : A19K266, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

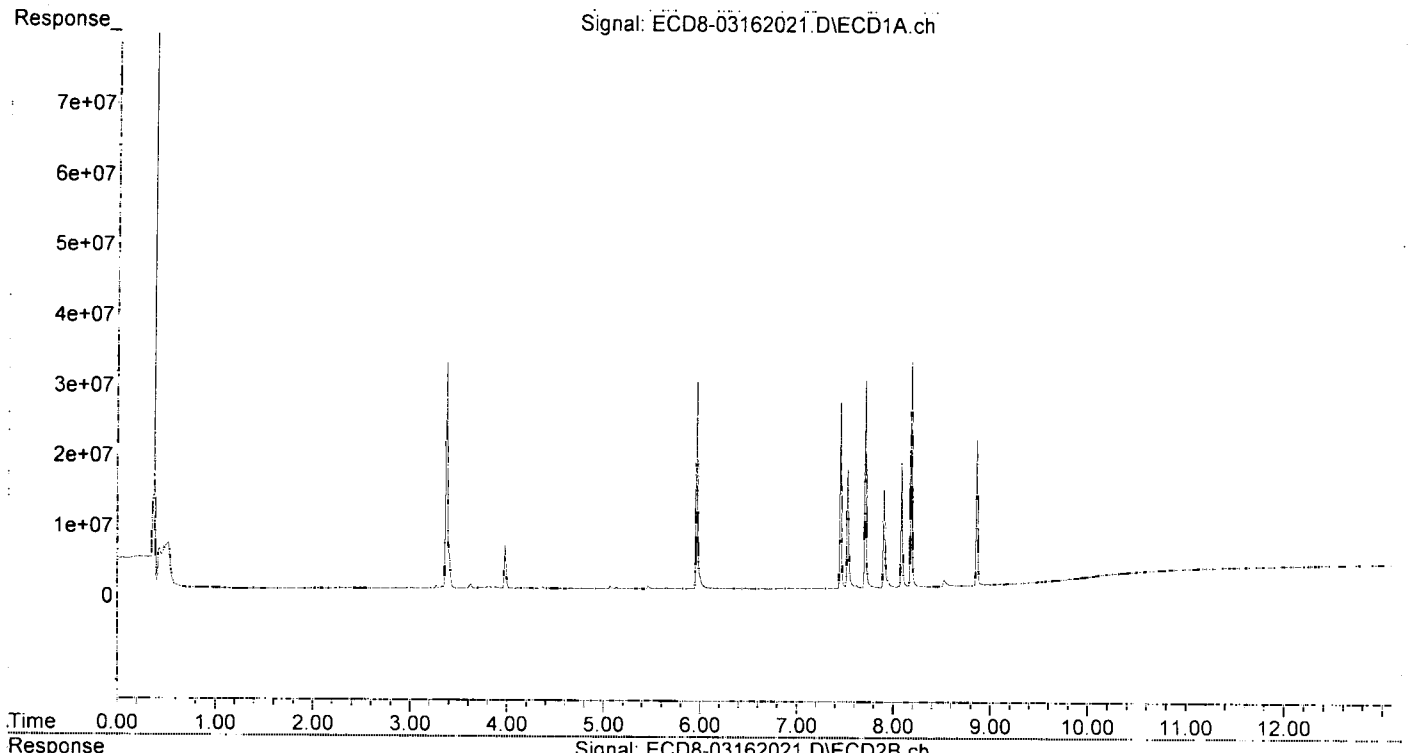
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.579	6.039	34820	89150	0.011	0.024	#
22)	S	DCBP (S)	9.809	10.605	345265	327924	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.114	6.626	118981	102457	0.028	0.070	#
3)		g-BHC	6.405	6.946	26693	28247	0.007	0.007	
4)		b-BHC	6.473	7.014	107285	54058	BelowCal	0.033	
5)		Heptachlor	6.819	7.321	67229	72611	0.020	0.021	
6)		d-BHC	6.638	7.270	70799	123787	BelowCal	0.035	
7)		Aldrin	7.062	7.587	28215	21435	0.008	0.006	#
8)		Heptachlo...	7.527	8.024	16953989	196610	5.299	0.058	#
9)		trans-Chl...	7.621	8.161	395939	21604108	0.127	6.791	#
10)		cis-Chlor...	7.709	0.000	29637058	0	9.503	N.D.	#
11)		Endosulfa...	7.818	8.323	127503	145954	0.043	0.046	
12)		4,4'-DDE	0.000	8.384	0	65427	N.D.	BelowCal	
13)		Dieldrin	7.991	8.536	221771	16675391	0.068	5.043	#
14)		Endrin	8.183f	8.760	32292976	19000299	12.411	7.813	#
15)		4,4'-DDD	8.183	8.799	32292976	36974124	15.573	16.880	
16)		Endosulfa...	8.306	8.888	136789	179406	0.055	BelowCal	#
17)		4,4'-DDT	8.405	9.024	30366	182716	BelowCal	BelowCal	
18)		Endrin Al...	8.610	9.143	173277	127671	0.074	0.049	#
19)		Endosulfa...	8.913	9.334	176180	118494	0.071	0.045	#
20)		Methoxychlor	8.750	9.512	12653	92782	BelowCal	BelowCal	
21)		Endrin Ke...	9.113	9.727	97463	20706899	0.033	8.215	#
23)		Hexachlor...	3.370	3.723	32191356	39891347	9.282	9.732	
24)		Hexachlor...	5.962	6.489	29495330	34132854	9.297	10.154	
25)		Oxychlordane	7.453	7.955	26596573	29635944	9.252	9.113	
26)		2,4'-DDE	7.527	8.161	16953989	21604108	9.170	9.985	
27)		trans-Non...	7.709	8.230	29637058	32244416	9.437	9.893	
28)		2,4'-DDD	7.903	8.536	13950916	16675391	9.071	9.647	
29)		2,4'-DDT	8.085	8.760	17684073	19000299	9.350	9.945	
30)		cis-Nonac...	8.183	8.799	32292976	36974124	9.347	9.946	
31)		Mirex	8.861	9.727	20782564	20706899	9.098	9.990	
32)		Chlordane...	7.621	8.161	395939	21604108	1.142	48.815	#
33)		Chlordane...	7.709	0.000	29637058	0	70.793	N.D.	#
34)		Chlordane...	8.306f	8.954	136789	1372850	1.213	9.673	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.709	8.536f	29637058	16675391	2180.192	534.996	#
37)		Toxaphene...	7.991	8.888f	221771	179406	7.954	4.415	#
38)		Toxaphene...	8.306	8.888	136789	179406	2.229	2.811	#
39)		Toxaphene...	8.525	8.954	931594	1372850	15.239	13.021	
40)		Toxaphene...	8.750f	9.143	12653	127671	0.264	2.237	#
41)		Toxaphene...	8.861	9.512	20782564	92782	343.901	1.517	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

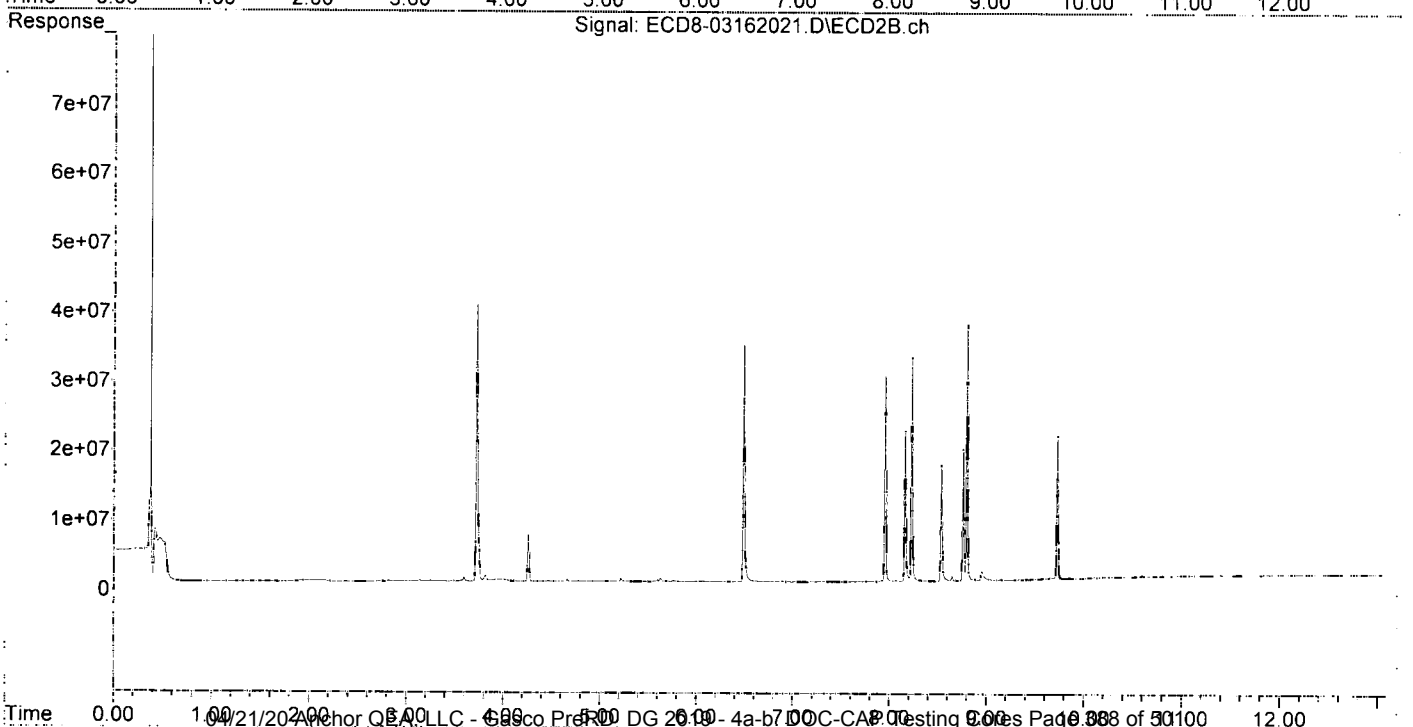
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:34
Operator : MJB
Sample : 0C16047-CALE
Misc : A19K266, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:51
Operator : MJB
Sample : 0C16047-CALF
Misc : A19J407, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

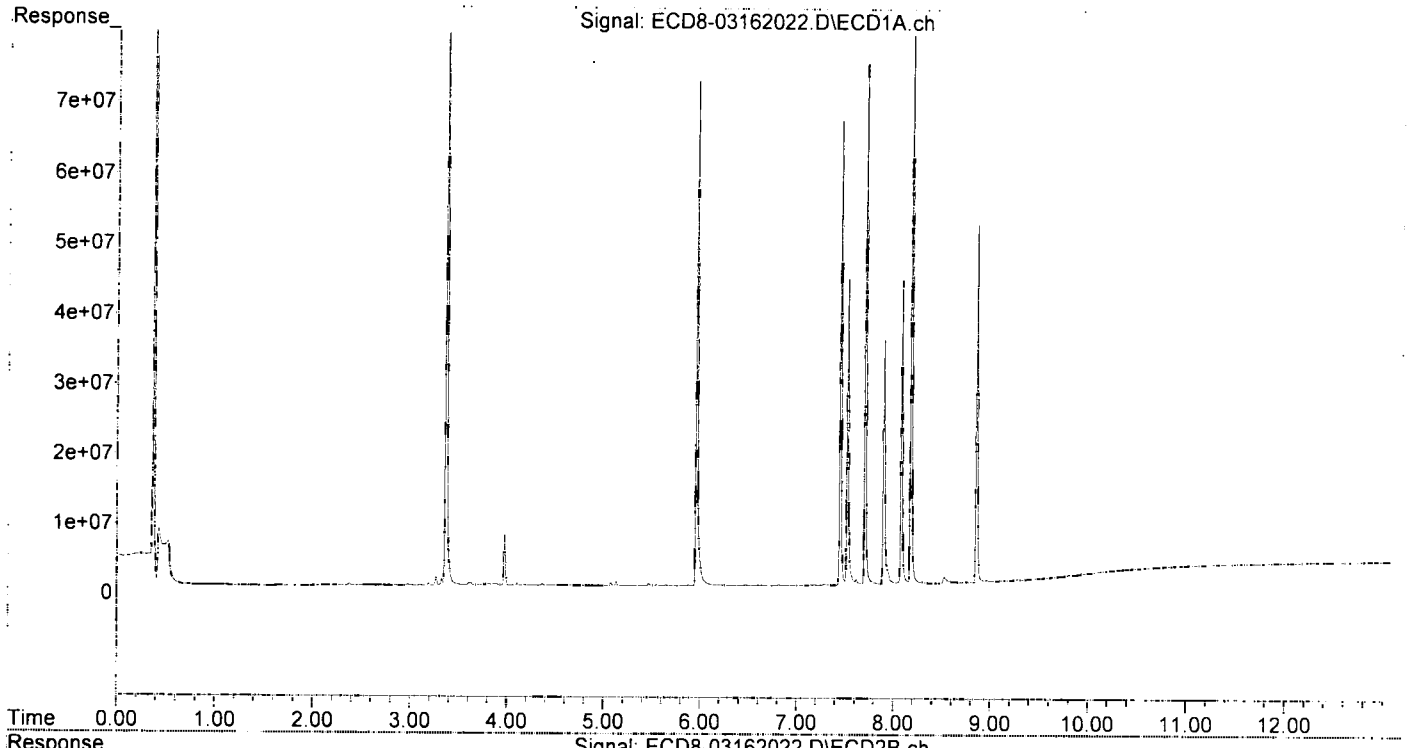
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.579	6.023	32149	48758	0.010	0.013	#
22)	S DCBP (S)	9.809	10.605	493357	389440	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	6.113	0.000	211952	0	0.050	N.D.	#
3)	g-BHC	6.385f	6.950	69964	17995	0.019	0.005	#
4)	b-BHC	6.473	7.017	108510	56717	BelowCal	0.035	
5)	Heptachlor	6.818	7.322	138022	150876	0.041	0.043	
6)	d-BHC	6.642	7.271	68864	107136	BelowCal	0.030	
7)	Aldrin	7.062	7.586	30366	21291	0.009	0.006	#
8)	Heptachlo...	7.526	8.025	44039535	387394	13.764	0.114	#
9)	trans-Chl...	7.621	8.161	810813	54980509	0.259	17.178	#
10)	cis-Chlor...	7.709	0.000	74239235	0	23.804	N.D.	#
11)	Endosulfa...	7.814	0.000	230142	0	0.078	N.D.	#
12)	4,4'-DDE	7.814f	0.000	230142	0	0.086	N.D.	#
13)	Dieldrin	7.989	8.536	438998	43419428	0.134	12.993	#
14)	Endrin	8.183f	8.759	81365973	46737787	31.270	18.801	#
15)	4,4'-DDD	8.183	8.798	81365973	95644642	39.237	41.523	
16)	Endosulfa...	8.301	8.889	181050	249275	0.073	0.012	#
17)	4,4'-DDT	8.401	0.000	36032	0	BelowCal	N.D.	
18)	Endrin Al...	8.610	9.142	152099	97480	0.065	0.038	#
19)	Endosulfa...	0.000	9.335	0	89341	N.D.	0.034	#
20)	Methoxychlor	8.739	9.516	13247	138759	BelowCal	BelowCal	
21)	Endrin Ke...	9.113	9.727	104177	50254119	0.036	19.768	#
23)	Hexachlor...	3.370	3.723	91025770	113.1E6	26.247	26.989	
24)	Hexachlor...	5.962	6.489	71960391	82807735	22.682	24.170	
25)	Oxychlordane	7.452	7.955	66221327	76190691	23.036	23.427	
26)	2,4'-DDE	7.526	8.161	44039535	54980509	23.820	24.794	
27)	trans-Non...	7.709	8.230	74239235	82674135	23.638	24.865	
28)	2,4'-DDD	7.901	8.536	35119104	43419428	22.834	24.612	
29)	2,4'-DDT	8.084	8.759	43345725	46737787	22.918	23.831	
30)	cis-Nonac...	8.183	8.798	81365973	95644642	23.550	25.066	
31)	Mirex	8.859	9.727	51009862	50254119	22.330	24.200	
32)	Chlordane...	7.621	8.161	810813	54980509	2.339	124.229	#
33)	Chlordane...	7.709	0.000	74239235	0	177.332	N.D.	#
34)	Chlordane...	8.301f	8.956	181050	1333516	1.605	9.297	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.709	8.536f	74239235	43419428	5461.264	1393.023	#
37)	Toxaphene...	7.989	8.889f	438998	249275	15.745	6.135	#
38)	Toxaphene...	8.301	8.889	181050	249275	2.951	3.906	#
39)	Toxaphene...	8.527	8.956	862088	1333516	14.102	12.648	
40)	Toxaphene...	8.808f	9.142	8579	97480	0.179	1.708	#
41)	Toxaphene...	8.859	9.516	51009862	138759	844.090	2.268	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

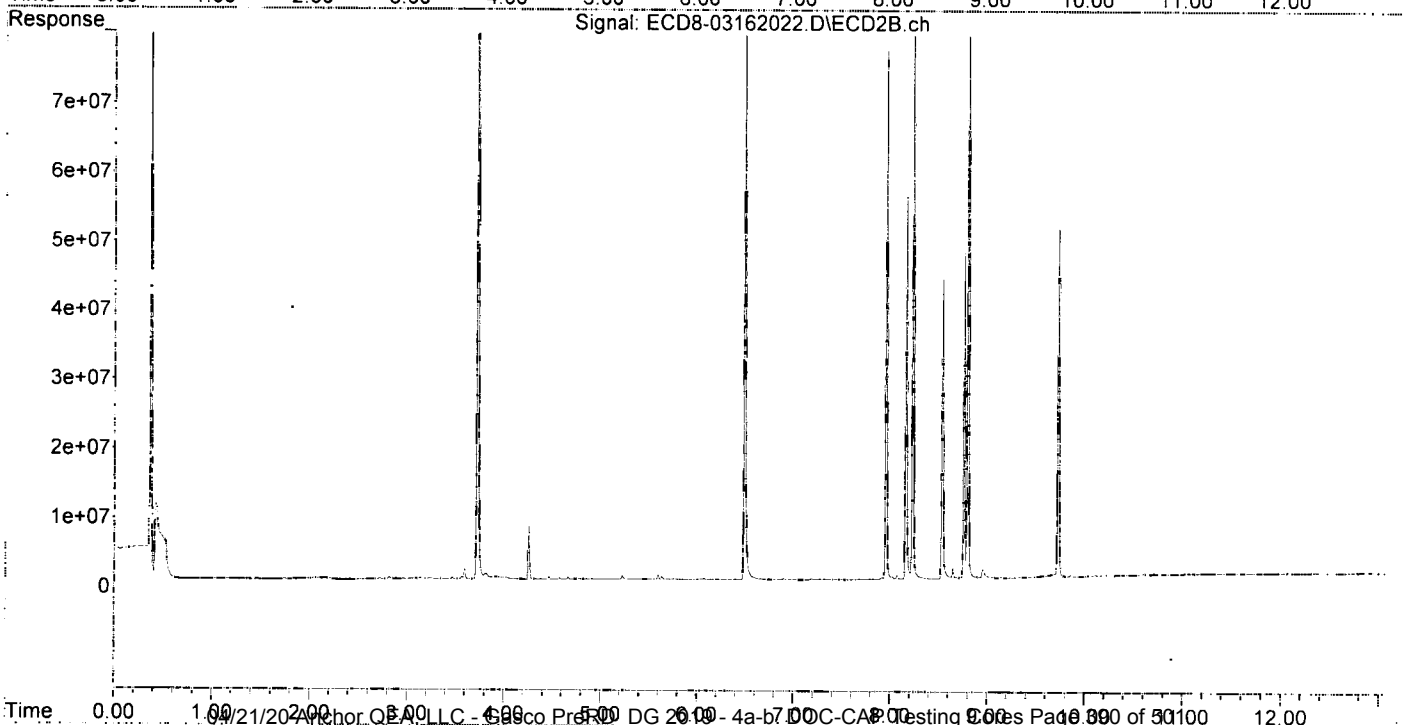
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:51
Operator : MJB
Sample : 0C16047-CALF
Misc : A19J407, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:17 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:07
Operator : MJB
Sample : 0C16047-CALG
Misc : A19J408, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

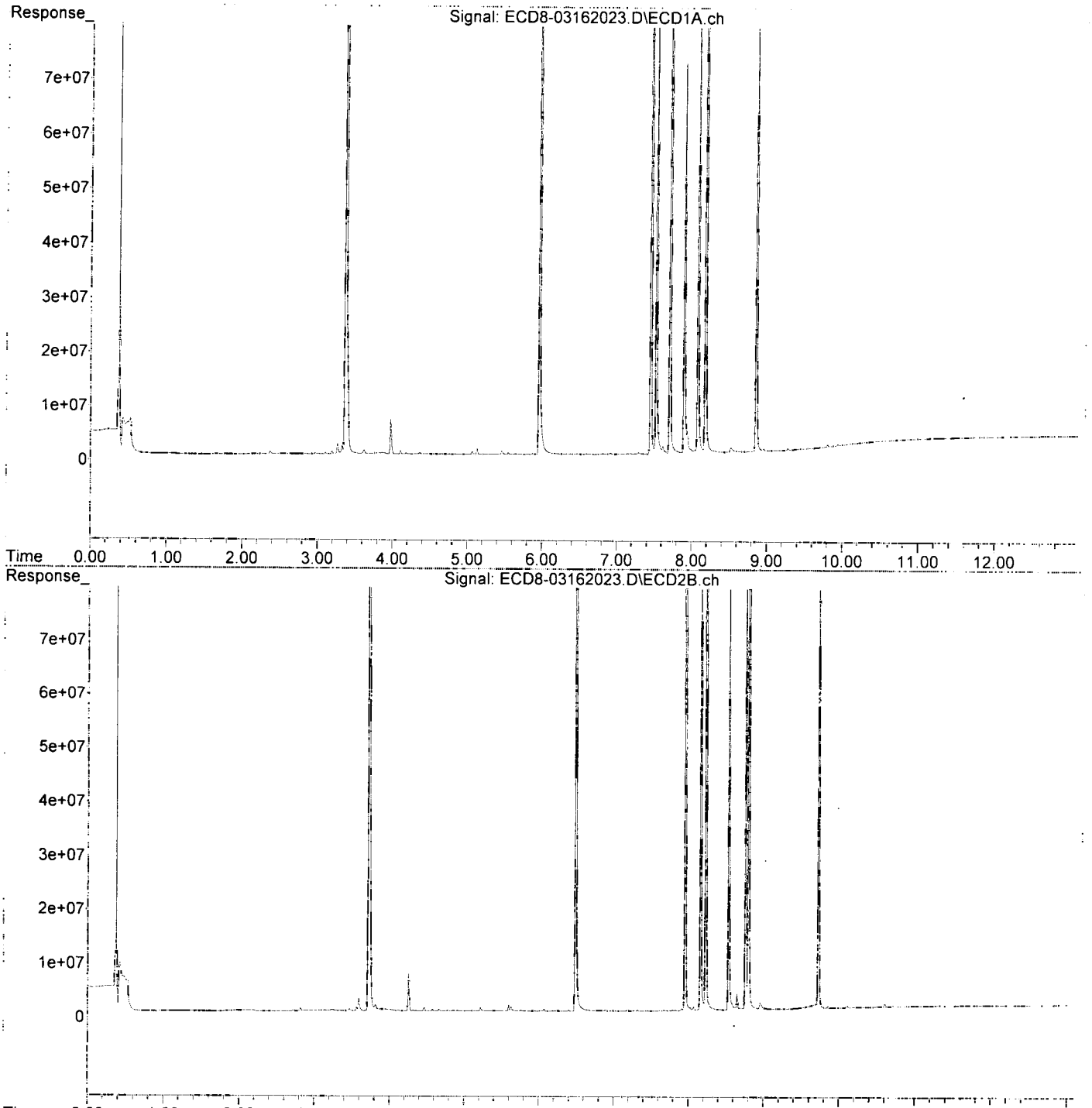
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.550f	6.016	326791	31564	0.103	0.009	#
22)	S	DCBP (S)	9.808	10.605	688937	597181	BelowCal	0.010	
		Target Compounds							
2)		a-BHC	6.111	0.000	289029	0	0.068	N.D.	#
3)		g-BHC	6.404	6.950	27348	29854	0.007	0.008	
4)		b-BHC	6.472	7.014	131534	68498	BelowCal	0.042	
5)		Heptachlor	6.817	7.321	186684	201502	0.055	0.057	
6)		d-BHC	6.637	7.270	68806	107250	BelowCal	0.030	
7)		Aldrin	7.063	7.585	28722	27554	0.008	0.007	
8)		Heptachlo...	7.524	8.025	86900493	624343	27.159	0.183	#
9)		trans-Chl...	7.619	8.160	1380134	108.5E6	0.441	33.035	#
10)		cis-Chlor...	7.708	0.000	145.1E6	0	46.521	N.D.	#
11)		Endosulfa...	0.000	8.322	0	400091	N.D.	0.127	#
12)		4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)		Dieldrin	7.987	8.535	749707	88830745	0.229	26.028	#
14)		Endrin	8.182f	8.759	160.4E6	100.7E6	61.633	38.909	#
15)		4,4'-DDD	8.182f	8.798	160.4E6	190.5E6	77.336	77.070	
16)		Endosulfa...	8.308	8.888	303785	397360	0.122	0.074	#
17)		4,4'-DDT	8.401	0.000	90119	0	BelowCal	N.D.	
18)		Endrin Al...	8.616	9.143	142529	129007	0.061	0.050	
19)		Endosulfa...	0.000	9.336	0	120702	N.D.	0.045	#
20)		Methoxychlor	8.736	0.000	10412	0	BelowCal	N.D.	
21)		Endrin Ke...	9.112	9.727	84529	99408812	0.029	37.869	#
23)		Hexachlor...	3.369	3.723	146.7E6	195.8E6	42.302	45.508	
24)		Hexachlor...	5.962	6.489	140.4E6	168.7E6	44.247	47.342	
25)		Oxychlordane	7.451	7.955	128.1E6	145.1E6	44.574	44.626	
26)		2,4'-DDE	7.524	8.160	86900493	108.5E6	47.003	47.032	
27)		trans-Non...	7.708	8.230	145.1E6	163.6E6	46.196	47.423	
28)		2,4'-DDD	7.900	8.535	71733891	88830745	46.640	48.332	
29)		2,4'-DDT	8.083	8.759	87306440	100.7E6	46.160	48.721	
30)		cis-Nonac...	8.182	8.798	160.4E6	190.5E6	46.418	47.878	
31)		Mirex	8.859	9.727	97678772	99408812	42.760	46.565	
32)		Chlordane...	7.619	8.160	1380134	108.5E6	3.981	245.185	#
33)		Chlordane...	7.708	0.000	145.1E6	0	346.556	N.D.	#
34)		Chlordane...	8.302f	8.956	308816	1315117	2.738	9.121	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.708	8.535f	145.1E6	88830745	10672.831	2849.953	#
37)		Toxaphene...	7.987	8.888f	749707	397360	26.889	9.779	#
38)		Toxaphene...	8.302	8.888	308816	397360	5.033	6.226	
39)		Toxaphene...	8.526	8.956	843276	1315117	13.794	12.473	
40)		Toxaphene...	8.773	9.143	13304	129007	0.278	2.260	#
41)		Toxaphene...	8.859	0.000	97678772	0	1616.348	N.D.	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:07
Operator : MJB
Sample : 0C16047-CALG
Misc : A19J408, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:24
Operator : MJB
Sample : 0C16047-CALH
Misc : A19J409, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

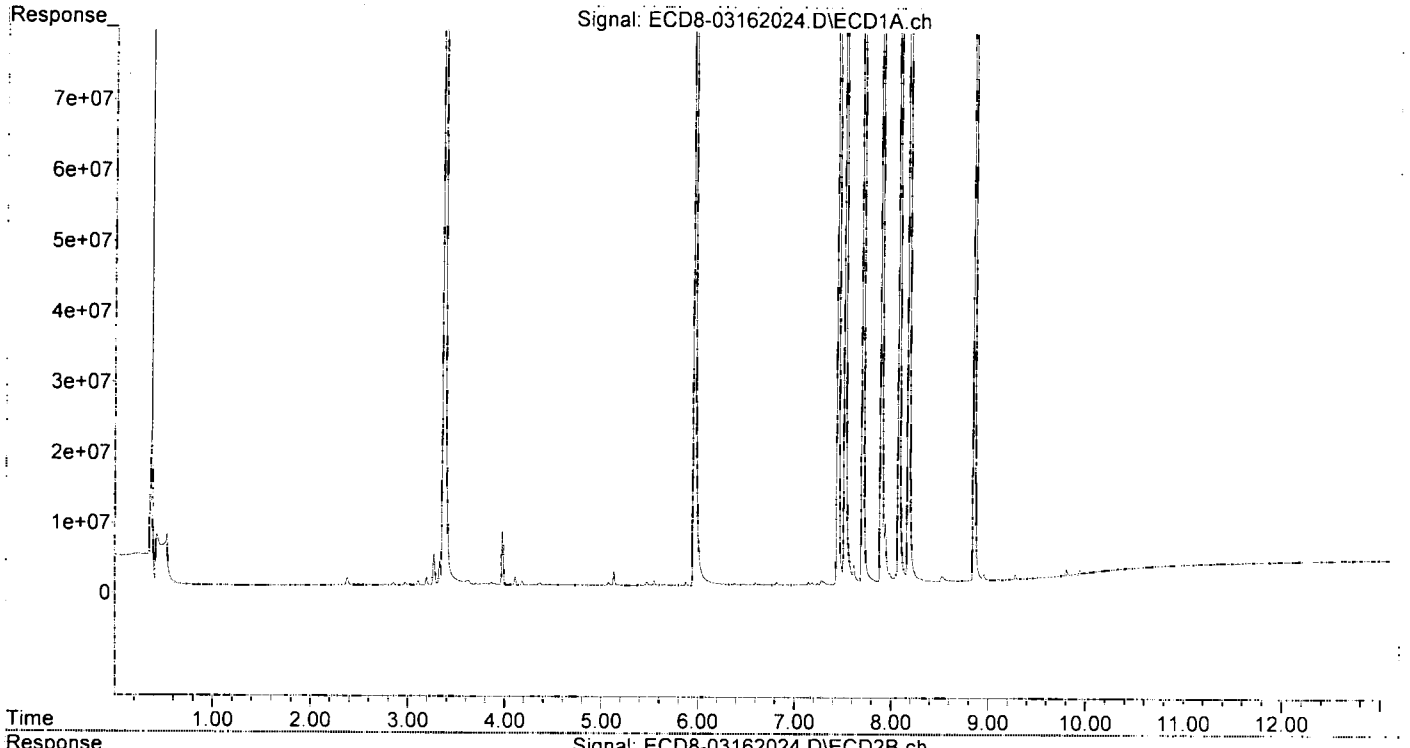
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.549f	6.017	692519	45699	0.219	0.012	#
22)	S DCBP (S)	9.807	10.603	1077408	1043478	0.172	0.247	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.383f	6.945	289644	75101	0.079	0.019	#
4)	b-BHC	6.470	7.015	187111	141049	0.002	0.086	#
5)	Heptachlor	6.818	7.321	415459	442354	0.123	0.126	
6)	d-BHC	6.638	7.270	134170	168758	0.025	0.049	#
7)	Aldrin	7.063	7.585	39501	36299	0.012	0.010	
8)	Heptachlo...	7.523	8.024	201.9E6	1204192	63.096	0.353	#
9)	trans-Chl...	7.619	8.159	2745362	262.0E6	0.878	74.169	#
10)	cis-Chlor...	7.707	0.000	333.5E6	0	106.941	N.D.	#
11)	Endosulfa...	0.000	8.323	0	776865	N.D.	0.247	#
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	7.987	8.534	1417187	207.7E6	0.432	57.825	#
14)	Endrin	8.181f	8.759	369.4E6	242.6E6	141.946	85.758	#
15)	4,4'-DDD	8.181f	8.798	369.4E6	458.0E6	178.113	159.811	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.400	9.025	199614	404811	BelowCal	0.083	
18)	Endrin Al...	8.615	9.143	160504	233126	0.069	0.090	#
19)	Endosulfa...	0.000	9.333	0	229167	N.D.	0.086	#
20)	Methoxychlor	8.749	0.000	20636	0	BelowCal	N.D.	
21)	Endrin Ke...	9.112	9.726	118585	232.2E6	0.041	81.484	#
23)	Hexachlor...	3.370	3.723	373.4E6	507.7E6	107.656	108.158	
24)	Hexachlor...	5.961	6.489	318.2E6	398.3E6	100.309	101.986	
25)	Oxychlordane	7.451	7.955	294.1E6	352.3E6	102.316	108.316	
26)	2,4'-DDE	7.523	8.159	201.9E6	262.0E6	109.196	103.200	
27)	trans-Non...	7.707	8.228	333.5E6	393.0E6	106.194	104.058	
28)	2,4'-DDD	7.899	8.534	161.8E6	207.7E6	105.221	103.038	
29)	2,4'-DDT	8.082	8.759	203.8E6	242.6E6	107.777	104.898	
30)	cis-Nonac...	8.181	8.798	369.4E6	458.0E6	106.904	104.342	
31)	Mirex	8.858	9.726	225.0E6	232.2E6	98.481	100.841	
32)	Chlordane...	7.619	8.159	2745362	262.0E6	7.918	591.877	#
33)	Chlordane...	7.707	0.000	333.5E6	0	796.661	N.D.	#
34)	Chlordane...	0.000	8.955	0	1424130	N.D.	10.163	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.707	8.534f	333.5E6	207.7E6	24534.636	6663.536	#
37)	Toxaphene...	7.987	0.000	1417187	0	50.829	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.530	8.955	747751	1424130	12.232	13.507	
40)	Toxaphene...	8.749f	9.143	20636	233126	0.431	4.084	#
41)	Toxaphene...	8.858	0.000	225.0E6	0	3722.645	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

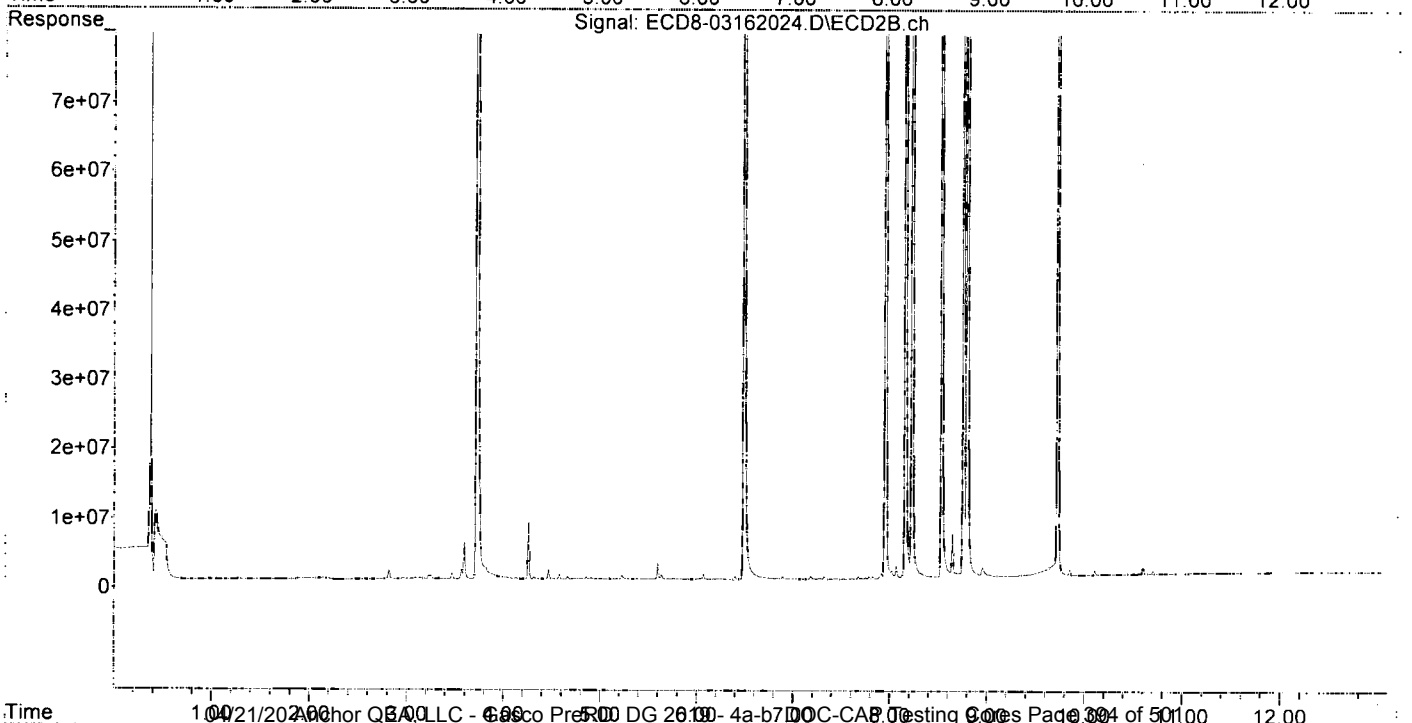
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:24
Operator : MJB
Sample : 0C16047-CALH
Misc : A19J409, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:39 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:40
Operator : MJB
Sample : 0C16047-CALI
Misc : A19K262, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

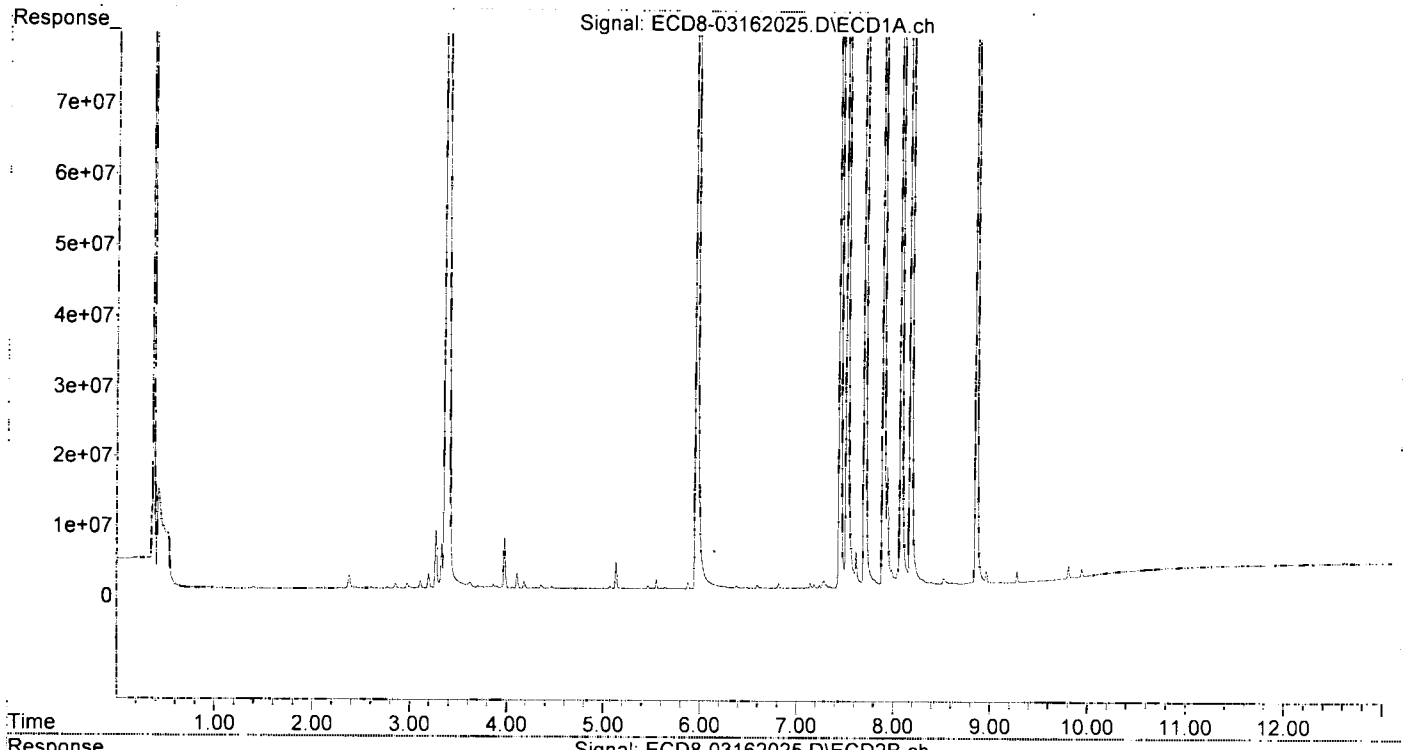
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.550f	6.015	1325836	68392	0.419	0.019	#
22)	S	DCBP (S)	9.807	10.604	2002476	1874766	0.601	0.688	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	6.382f	6.948	408353	119521	0.112	0.031	#
4)		b-BHC	6.483	7.012	228657	247599	0.038	0.151	#
5)		Heptachlor	6.817	7.320	720203	752918	0.213	0.214	
6)		d-BHC	6.634	7.269	168192	217382	0.038	0.064	#
7)		Aldrin	7.060	7.586	66176	67873	0.019	0.018	
8)		Heptachlo...	7.522	8.024	427.6E6	2084912	133.639	0.612	#
9)		trans-Chl...	7.618	8.159	5144098	585.9E6	1.645	147.149	#
10)		cis-Chlor...	7.706	0.000	710.3E6	0	227.765	N.D.	#
11)		Endosulfa...	7.813	8.322	993188	1171207	0.337	0.372	
12)		4,4'-DDE	7.813f	0.000	993188	0	0.370	N.D.	#
13)		Dieldrin	7.988	8.533	2381082	464.1E6	0.726	117.989	#
14)		Endrin	8.181f	8.759	799.4E6	537.9E6	307.217	165.956	#
15)		4,4'-DDD	8.181f	8.798	799.4E6	1004.3E6	385.495	288.561	#
16)		Endosulfa...	8.314	8.902	823417	1071740	0.331	0.357	
17)		4,4'-DDT	8.400	9.026	432674	661269	0.114	0.215	#
18)		Endrin Al...	8.616	9.142	250540	400331	0.107	0.155	#
19)		Endosulfa...	0.000	9.334	0	417373	N.D.	0.157	#
20)		Methoxychlor	8.744	0.000	86349	0	BelowCal	N.D.	
21)		Endrin Ke...	9.110	9.727	146325	530.9E6	0.050	162.099	#
23)		Hexachlor...	3.371	3.724	738.5E6	1024.8E6	212.956	195.453	
24)		Hexachlor...	5.962	6.490	695.5E6	908.0E6	219.212	200.526	
25)		Oxychlordane	7.451	7.954	643.9E6	761.6E6	224.000	234.188	
26)		2,4'-DDE	7.522	8.159	427.6E6	585.9E6	231.281	199.531	
27)		trans-Non...	7.706	8.229	710.3E6	859.8E6	226.174	198.655	
28)		2,4'-DDD	7.897	8.533	363.8E6	464.1E6	236.553	199.074	
29)		2,4'-DDT	8.081	8.759	440.0E6	537.9E6	232.643	197.695	
30)		cis-Nonac...	8.181	8.798	799.4E6	1004.3E6	231.375	197.955	
31)		Mirex	8.858	9.727	480.0E6	530.9E6	210.111	202.097	
32)		Chlordane...	7.618	8.159	5144098	585.9E6	14.837	1323.859	#
33)		Chlordane...	7.706	0.000	710.3E6	0	1696.741	N.D.	#
34)		Chlordane...	0.000	8.954	0	1677375	N.D.	12.582	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.706	8.533f	710.3E6	464.1E6	52254.231	14888.302	#
37)		Toxaphene...	7.988	0.000	2381082	0	85.400	N.D.	#
38)		Toxaphene...	8.314	8.902	823417	1071740	13.419	16.792	#
39)		Toxaphene...	8.525	8.954	878592	1677375	14.372	15.909	
40)		Toxaphene...	8.744f	9.142	86349	400331	1.802	7.013	#
41)		Toxaphene...	8.858	0.000	480.0E6	0	7942.357	N.D.	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

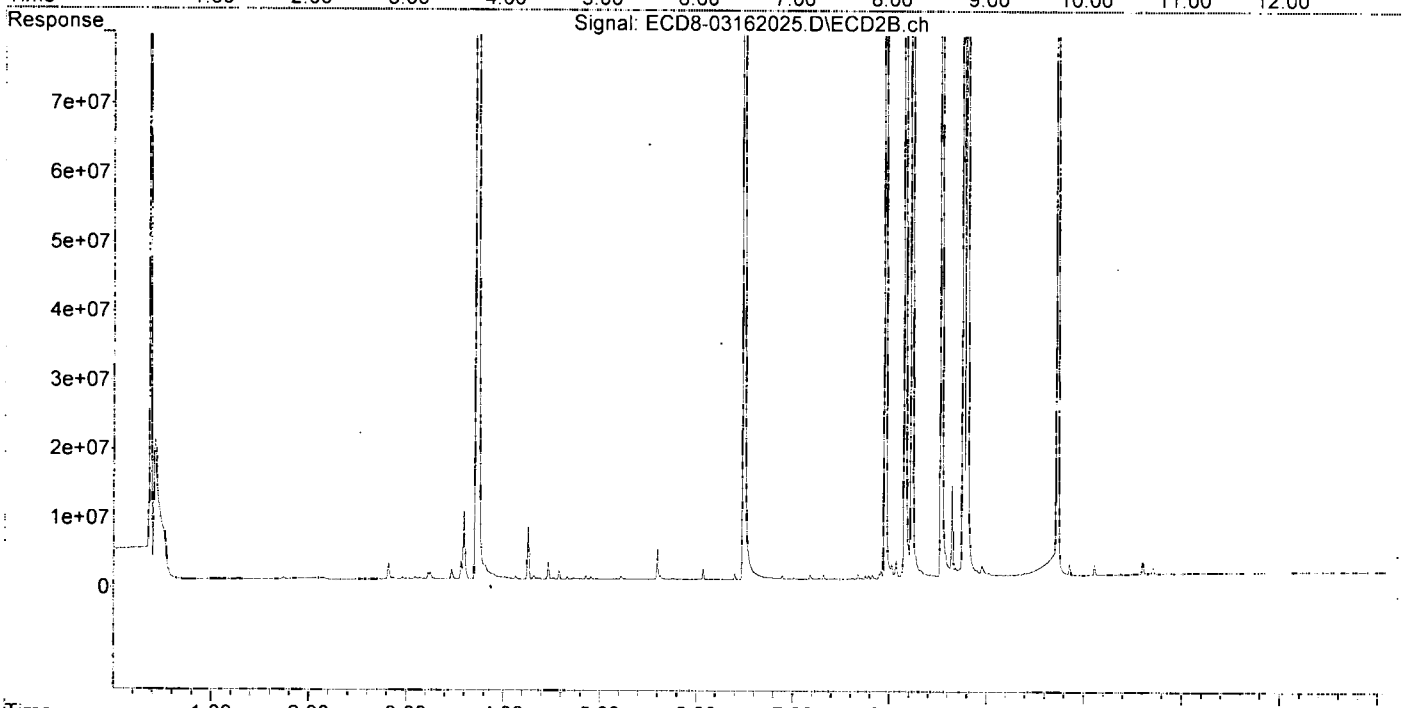
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:40
Operator : MJB
Sample : 0C16047-CALI
Misc : A19K262, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:11:48 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:30
Operator : MJB
Sample : 0C16047-CALJ
Misc : A20C232, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

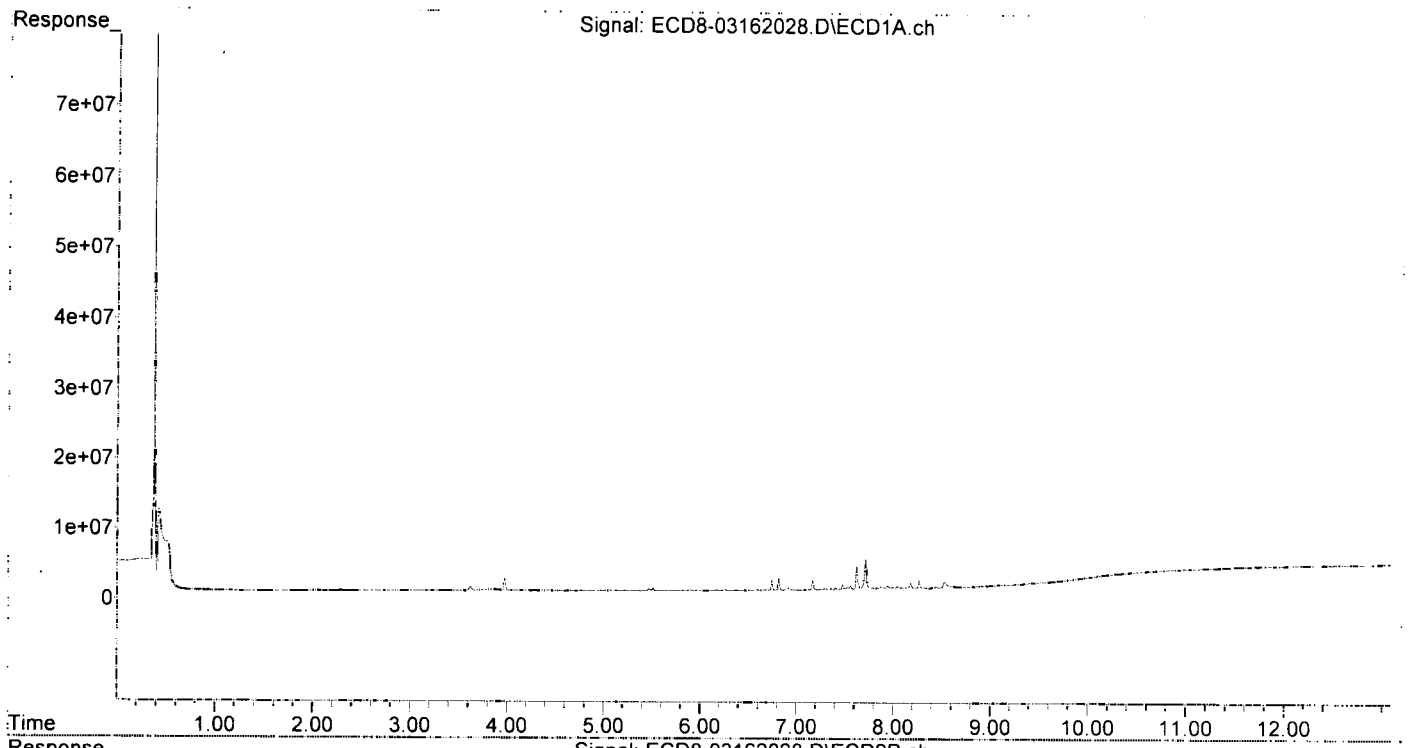
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.577	6.044f	15885	200914	0.005	0.055	#
22)	S	DCBP (S)	9.776f	10.605	232392	222181	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.119	6.629	27235	19444	0.006	0.051	#
3)		g-BHC	6.413	6.953	22044	47951	0.006	0.012	#
4)		b-BHC	6.477	7.017	42818	18031	BelowCal	0.011	
5)		Heptachlor	6.817	7.321	1761989	1864528	0.520	0.531	
6)		d-BHC	6.640	7.270	54318	48747	BelowCal	0.011	
7)		Aldrin	7.066	7.588	25994	24003	0.008	0.006	
8)		Heptachlo...	7.531	8.046	321223	111566	0.100	0.033	#
9)		trans-Chl...	7.622	8.168	3329191	4140965	1.065	1.182	
10)		cis-Chlor...	7.716	8.275	4271808	3734582	1.370	1.091	
11)		Endosulfa...	7.837	8.345	152605	62822	0.052	0.020	#
12)		4,4'-DDE	7.775	8.372	219159	100234	0.082	0.010	#
13)		Dieldrin	8.005	8.528	231726	353696	0.071	0.084	
14)		Endrin	8.183f	8.752	768884	98641	0.295	0.027	#
15)		4,4'-DDD	8.183	8.800	768884	841140	0.371	0.337	
16)		Endosulfa...	8.319	8.914	82884	93029	0.033	BelowCal	#
17)		4,4'-DDT	8.363f	9.051f	25472	133372	BelowCal	BelowCal	
18)		Endrin Al...	8.612	9.147	140554	92275	0.060	0.036	#
19)		Endosulfa...	8.918	9.336	69281	43256	0.028	0.016	#
20)		Methoxychlor	8.733	9.511	35567	42190	BelowCal	BelowCal	
21)		Endrin Ke...	9.110	9.740	102616	306387	0.035	BelowCal	#
23)		Hexachlor...	3.389	3.733	7494	9805	0.002	BelowCal	#
24)		Hexachlor...	5.963	6.489	46496	54521	0.015	BelowCal	#
25)		Oxychlordane	7.449	7.967	45401	51345	0.016	0.016	
26)		2,4'-DDE	7.531	8.168	321223	4140965	0.174	1.897	#
27)		trans-Non...	7.716	8.231	4271808	3359008	1.360	0.947	#
28)		2,4'-DDD	7.894	8.528	194750	353696	0.127	0.081	#
29)		2,4'-DDT	8.115f	8.752	157982	98641	0.084	BelowCal	#
30)		cis-Nonac...	8.183	8.800	768884	841140	0.223	0.175	
31)		Mirex	8.861	9.740	26504	306387	0.012	BelowCal	#
32)		Chlordane...	7.622	8.168	3329191	4140965	9.602	9.357	
33)		Chlordane...	7.716	8.275	4271808	3734582	10.204	9.711	
34)		Chlordane...	8.270	8.943	1163576	1409064	10.317	10.019	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.716f	8.528f	4271808	353696	314.247	11.348	#
37)		Toxaphene...	8.005	8.858	231726	110118	8.311	2.710	#
38)		Toxaphene...	8.319	8.891	82884	119026	1.351	1.865	#
39)		Toxaphene...	8.528	8.943	833059	1409064	13.627	13.364	
40)		Toxaphene...	8.772	9.120	17181	52931	0.358	0.927	#
41)		Toxaphene...	8.829	9.511	5672	42190	0.094	0.690	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

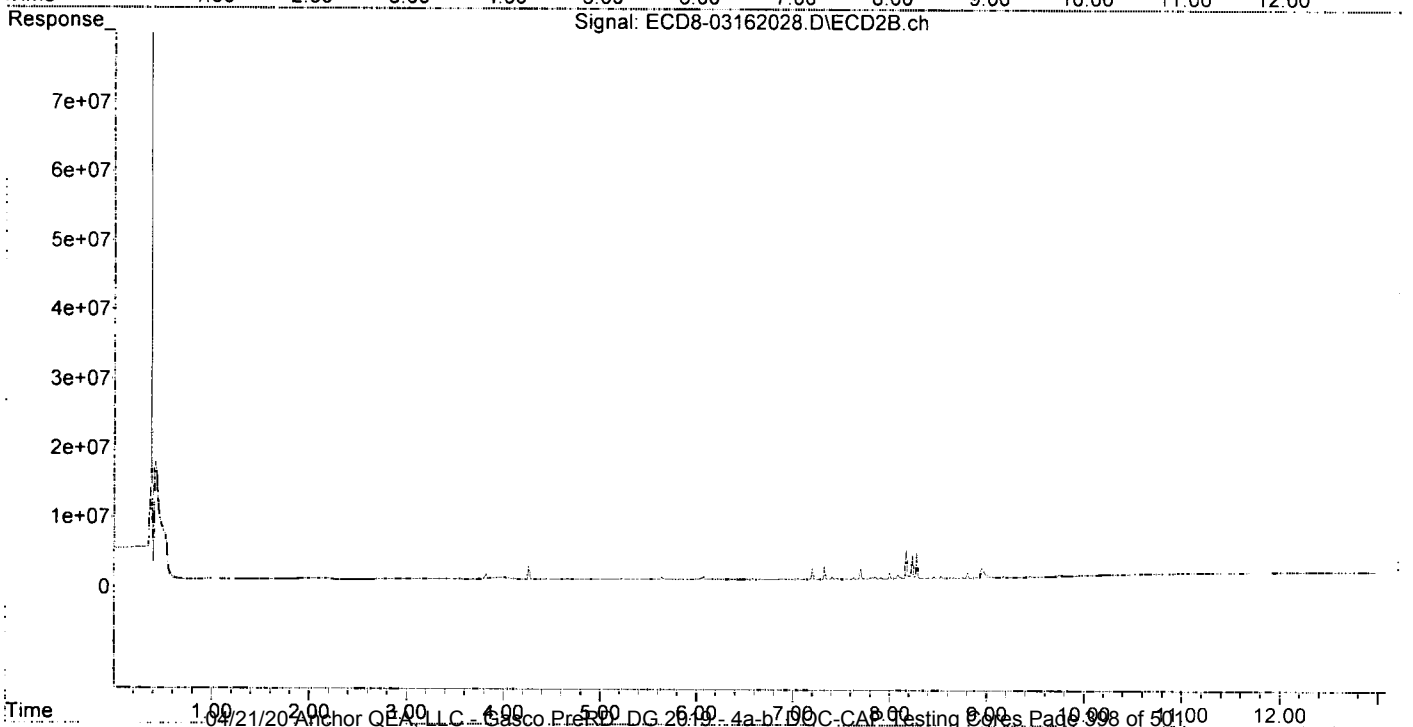
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:30
Operator : MJB
Sample : 0C16047-CALJ
Misc : A20C232, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:21 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:47
Operator : MJB
Sample : 0C16047-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

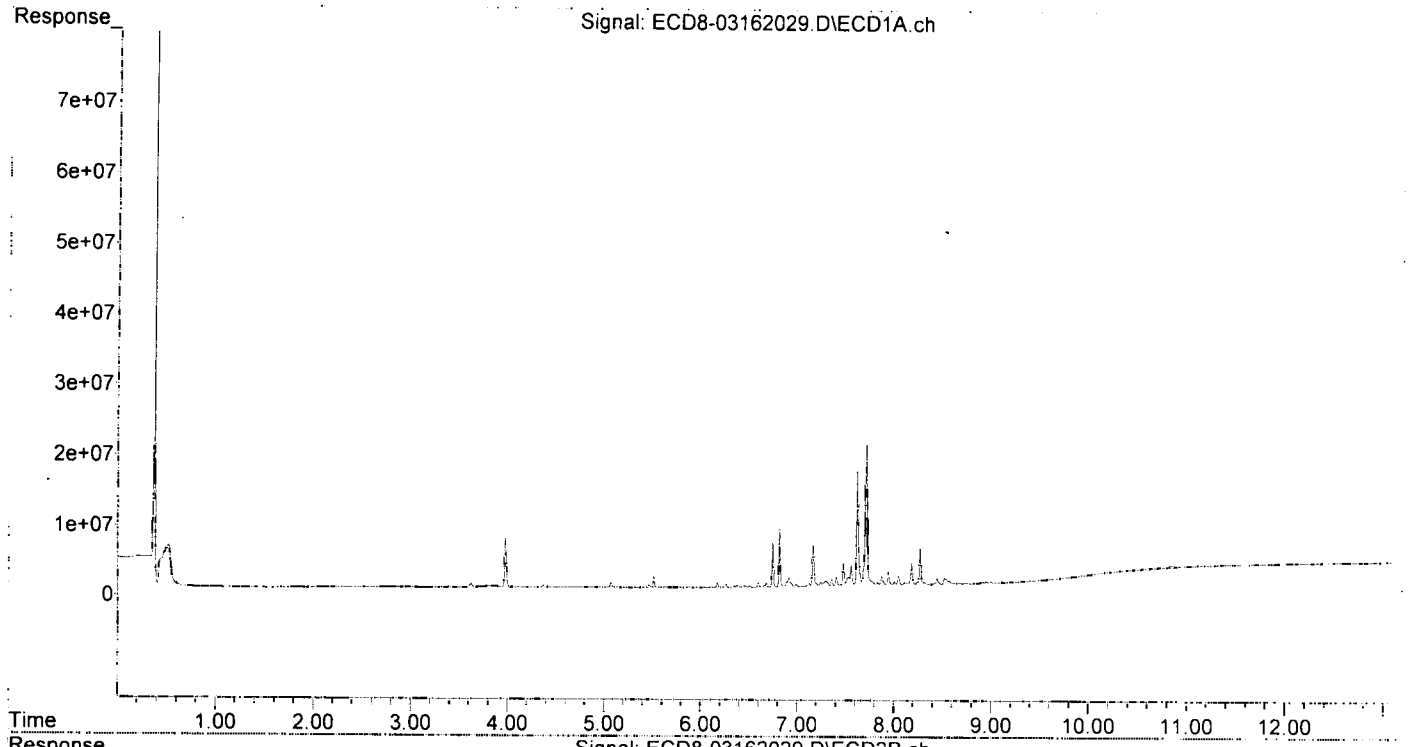
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.579	6.039	18171	140547	0.006	0.038	#
22)	S	DCBP (S)	9.821	10.600	300139	198085	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.114	6.655f	42294	567794	0.010	0.174	#
3)		g-BHC	6.414	6.955	43874	205510	0.012	0.053	#
4)		b-BHC	6.471	7.016	173662	24761	BelowCal	0.015	
5)		Heptachlor	6.816	7.320	8176973	8286077	2.415	2.360	
6)		d-BHC	6.630	7.269	117334	64977	0.018	0.016	
7)		Aldrin	7.066	7.591	85451	85287	0.025	0.023	
8)		Heptachlo...	7.531	8.046	1348033	544002	0.421	0.160	#
9)		trans-Chl...	7.622	8.168	16395838	19819592	5.243	6.223	
10)		cis-Chlor...	7.715	8.275	20148285	17681129	6.460	5.166	
11)		Endosulfa...	7.835	8.347f	448473	342834	0.152	0.109	#
12)		4,4'-DDE	7.775	8.371	692544	528482	0.258	0.155	#
13)		Dieldrin	8.005	8.527	519470	1779865	0.158	0.520	#
14)		Endrin	8.183f	8.771	3160641	219250	1.215	0.078	#
15)		4,4'-DDD	8.183	8.800	3160641	3452378	1.524	1.573	
16)		Endosulfa...	8.318	8.915	360080	399849	0.145	0.075	#
17)		4,4'-DDT	8.362f	9.035	121319	240735	BelowCal	BelowCal	
18)		Endrin Al...	8.633f	9.114f	142132	111359	0.061	0.043	#
19)		Endosulfa...	8.918	9.337	256200	31375	0.104	0.012	#
20)		Methoxychlor	8.731	9.512	86783	28646	BelowCal	BelowCal	
21)		Endrin Ke...	9.110	9.736	80006	713123	0.027	0.064	#
23)		Hexachlor...	3.395f	3.741	71343	28707	0.021	BelowCal	#
24)		Hexachlor...	5.957	6.488	36555	40048	0.012	BelowCal	#
25)		Oxychlordane	7.448	7.969	221862	258616	0.077	0.080	
26)		2,4'-DDE	7.531	8.168	1348033	19819592	0.729	9.170	#
27)		trans-Non...	7.715	8.230	20148285	14990459	6.415	4.584	#
28)		2,4'-DDD	7.872f	8.527	1331744	1779865	0.866	0.931	
29)		2,4'-DDT	8.115f	8.771	393056	219250	0.208	0.022	#
30)		cis-Nonac...	8.183	8.800	3160641	3452378	0.915	0.894	
31)		Mirex	8.861	9.736	12572	713123	0.006	BelowCal	#
32)		Chlordane...	7.622	8.168	16395838	19819592	47.289	44.782	
33)		Chlordane...	7.715	8.275	20148285	17681129	48.127	45.977	
34)		Chlordane...	8.270	8.941	5337472	5567784	47.327	49.570	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.715f	8.527f	20148285	1779865	1482.169	57.103	#
37)		Toxaphene...	8.005	8.857	519470	531180	18.631	13.072	#
38)		Toxaphene...	8.318	8.891	360080	607076	5.868	9.512	#
39)		Toxaphene...	8.524	8.941	890536	5567784	14.568	52.808	#
40)		Toxaphene...	8.779	9.114	15634	111359	0.326	1.951	#
41)		Toxaphene...	8.847	9.512	17105	28646	0.283	0.468	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

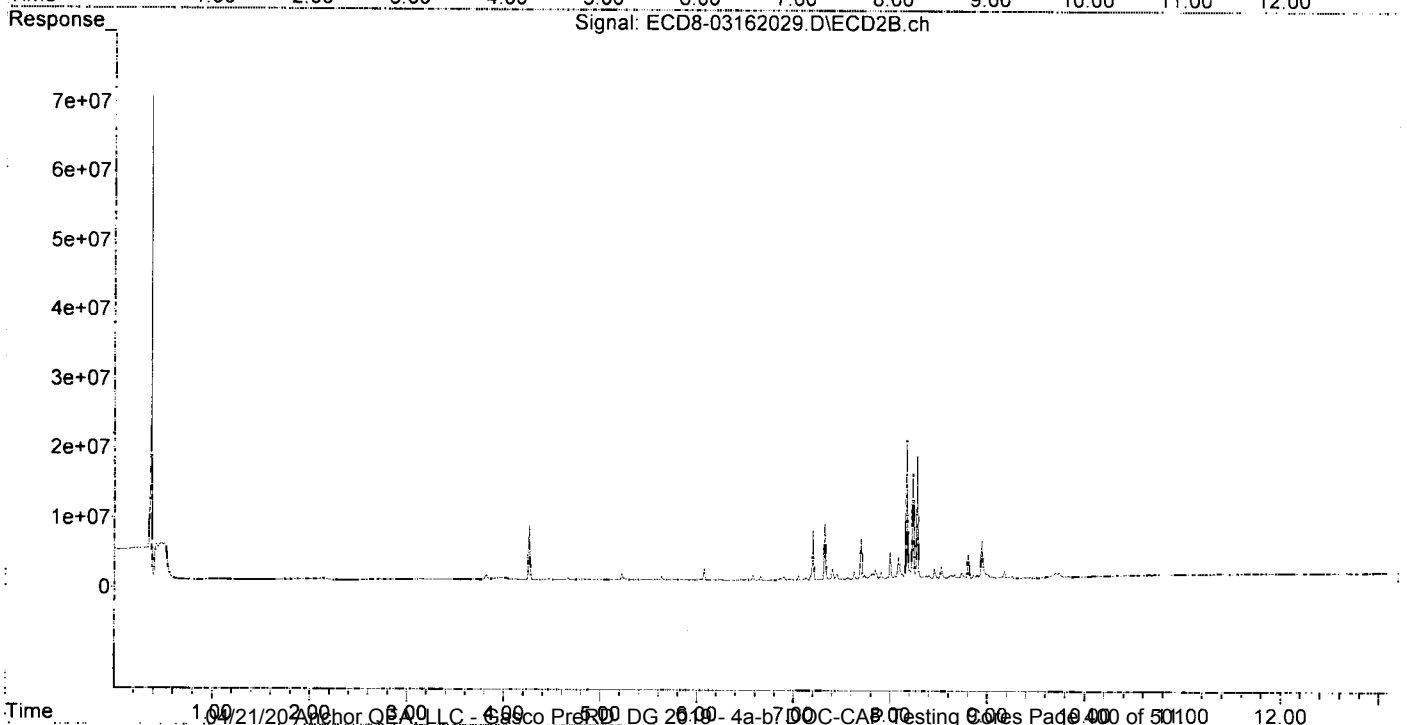
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:47
Operator : MJB
Sample : 0C16047-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:03
Operator : MJB
Sample : 0C16047-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MP 3/17/20

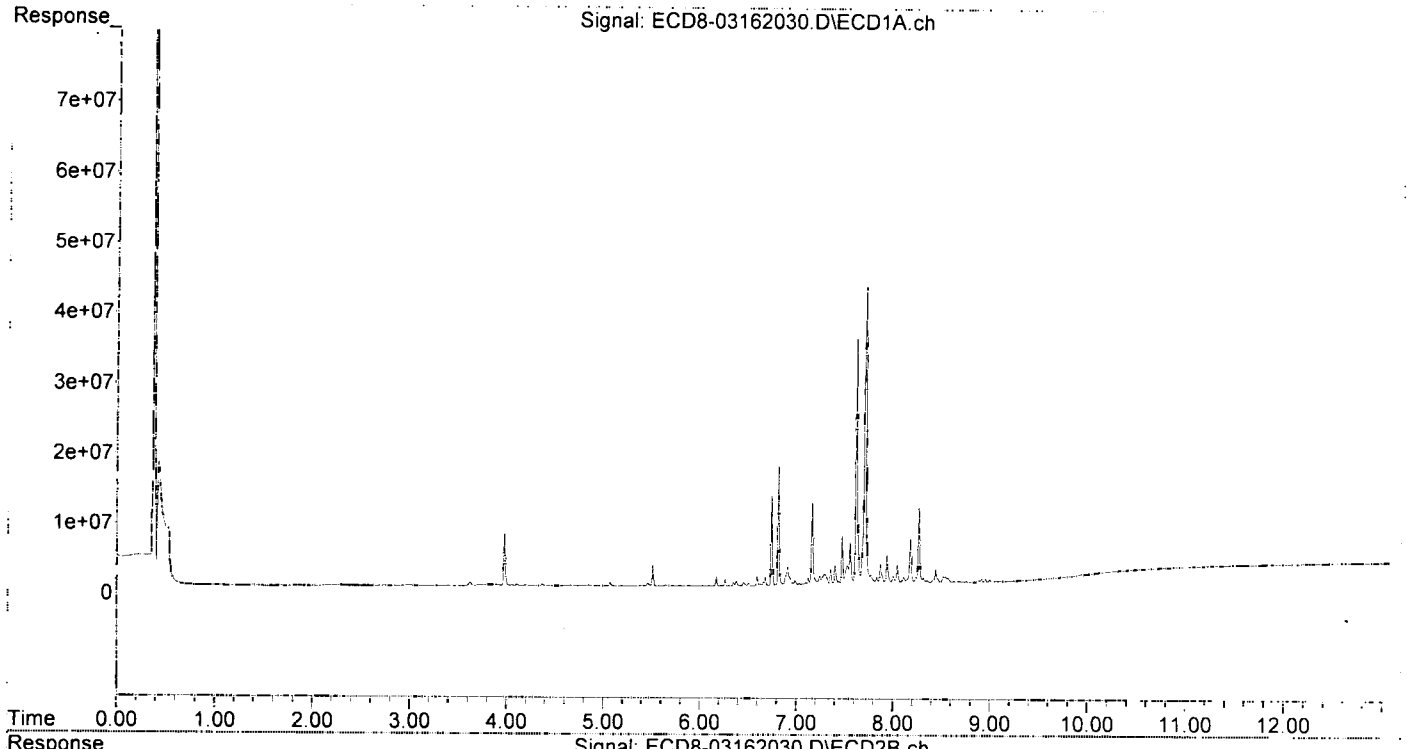
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.578	6.017	16776	30013	0.005	0.008	#
22)	S	DCBP (S)	9.821	10.589	283882	180532	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.109	6.655f	52137	1086090	0.012	0.290	#
3)		g-BHC	6.416	6.954	63252	426979	0.017	0.110	#
4)		b-BHC	6.506f	7.013	452147	60273	0.231	0.037	#
5)		Heptachlor	6.816	7.319	17168372	17518015	5.071	4.990	
6)		d-BHC	6.624	7.269	248541	121198	0.070	0.034	#
7)		Aldrin	7.066	7.592	210059	250954	0.062	0.066	
8)		Heptachlo...	7.530	8.045	2698661	1131810	0.843	0.332	#
9)		trans-Chl...	7.621	8.166	34967372	42602354	11.182	13.374	
10)		cis-Chlor...	7.713	8.274	42279376	36681183	13.557	10.716	
11)		Endosulfa...	7.834	8.347f	980027	740420	0.332	0.235	#
12)		4,4'-DDE	7.773	8.370	1318778	1068826	0.491	0.337	#
13)		Dieldrin	8.004	8.526	1118202	3663903	0.341	1.096	#
14)		Endrin	8.181f	8.751	6411029	1010700	2.464	0.409	#
15)		4,4'-DDD	8.181f	8.798	6411029	7107458	3.092	3.293	
16)		Endosulfa...	8.316	8.915	766274	829645	0.308	0.255	
17)		4,4'-DDT	8.361f	9.038	338182	394320	0.064	0.078	
18)		Endrin Al...	8.631f	9.113f	232833	260046	0.100	0.101	
19)		Endosulfa...	8.917	9.335	445702	44620	0.181	0.017	#
20)		Methoxychlor	8.732	9.508	186617	49028	BelowCal	BelowCal	
21)		Endrin Ke...	9.107	9.736	89438	496232	0.031	BelowCal	#
23)		Hexachlor...	3.369	3.723	45513	36997	0.013	BelowCal	#
24)		Hexachlor...	5.956	6.486	41180	55118	0.013	BelowCal	#
25)		Oxychlordane	7.445	7.968	455021	615633	0.158	0.189	
26)		2,4'-DDE	7.530	8.166	2698661	42602354	1.460	19.395	#
27)		trans-Non...	7.713	8.230	42279376	33843752	13.462	10.380	
28)		2,4'-DDD	7.871f	8.526	2853065	3663903	1.855	2.050	
29)		2,4'-DDT	8.113f	8.751	905385	1010700	0.479	0.450	
30)		cis-Nonac...	8.181	8.798	6411029	7107458	1.856	1.897	
31)		Mirex	8.845	9.736	26309	496232	0.012	BelowCal	#
32)		Chlordane...	7.621	8.166	34967372	42602354	100.854	96.260	
33)		Chlordane...	7.713	8.274	42279376	36681183	100.991	95.384	
34)		Chlordane...	8.269	8.940	10786921	11108996	95.647	101.700	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.713f	8.526f	42279376	3663903	3110.199	117.549	#
37)		Toxaphene...	8.004	8.856	1118202	1143108	40.105	28.131	#
38)		Toxaphene...	8.316	8.891	766274	1158892	12.488	18.158	#
39)		Toxaphene...	8.546	8.940	855501	11108996	13.994	105.364	#
40)		Toxaphene...	8.758	9.113	192166	260046	4.009	4.556	
41)		Toxaphene...	8.845	9.508	26309	49028	0.435	0.801	#
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

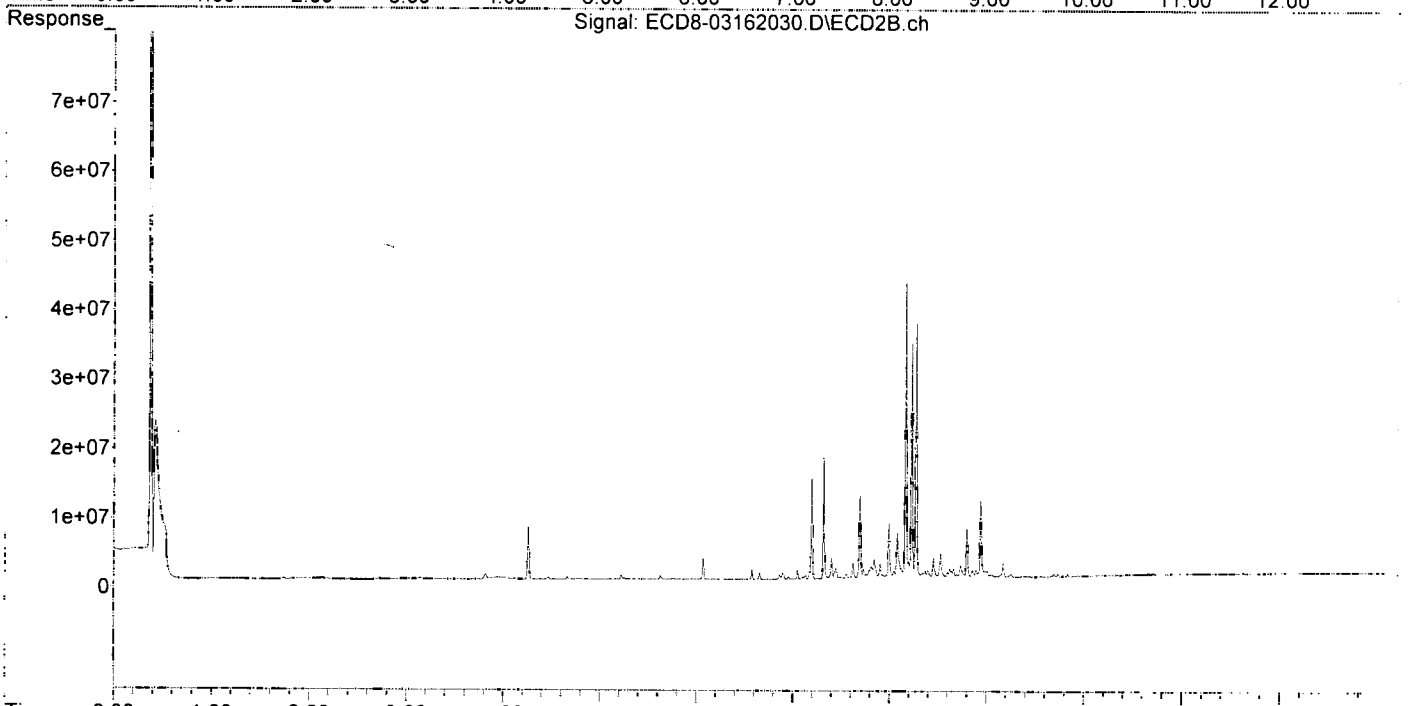
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:03
Operator : MJB
Sample : 0C16047-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:20
Operator : MJB
Sample : 0C16047-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

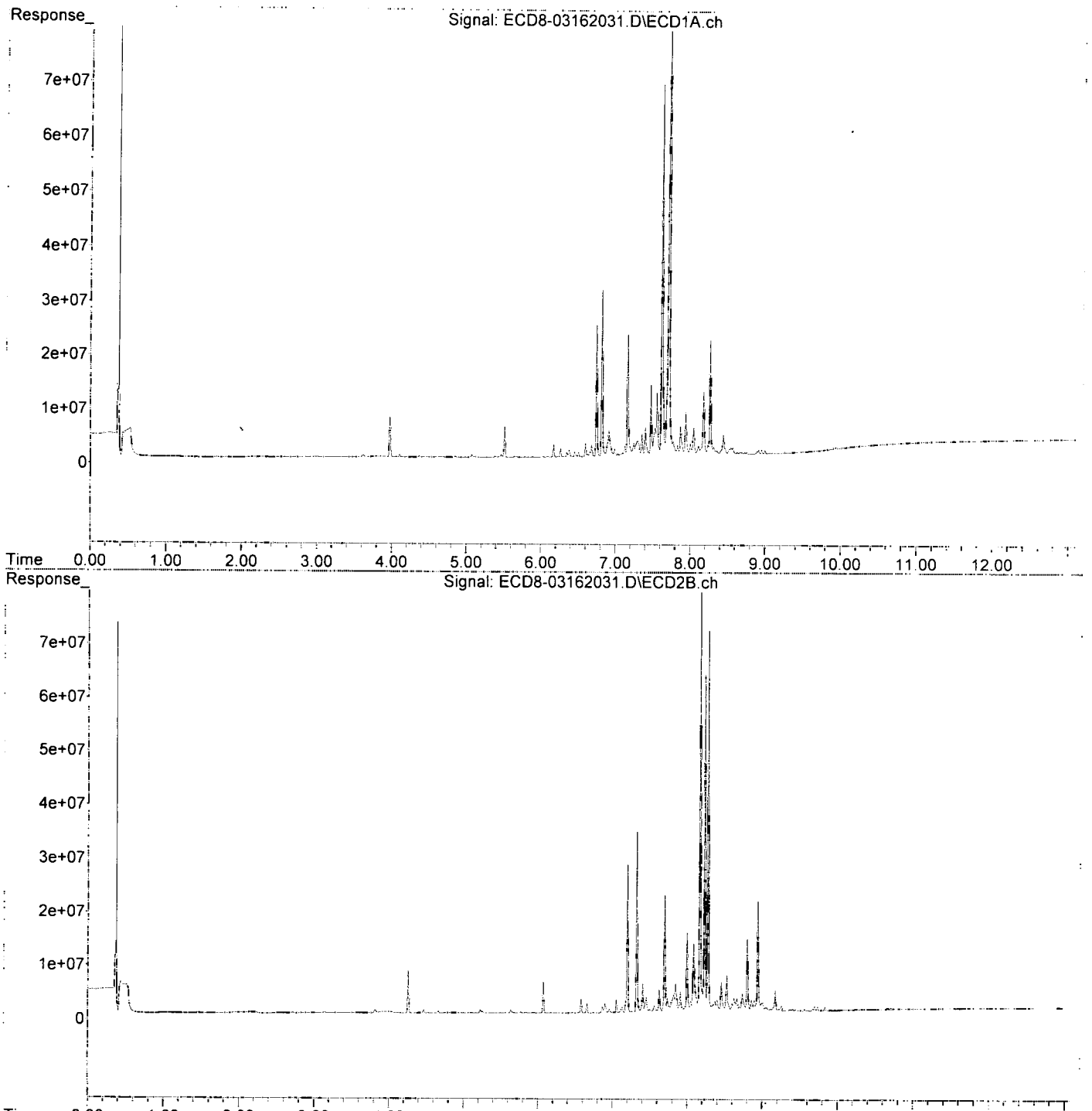
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.579	6.042	45345	81398	0.014	0.022	#
22)	S DCBP (S)	9.822	10.601	282163	79214	BelowCal	BelowCal	
	Target Compounds							
2)	a-BHC	6.148f	6.655f	92132	1842628	0.022	0.460	#
3)	g-BHC	6.382f	6.955	1276562	768036	0.350	0.198	#
4)	b-BHC	6.506f	7.048f	873526	2431079	0.595	1.486	#
5)	Heptachlor	6.817	7.321	30827192	33660247	9.106	9.589	
6)	d-BHC	6.625	7.253	457858	264554	0.154	0.078	#
7)	Aldrin	7.067	7.593	428604	466969	0.126	0.124	
8)	Heptachlo...	7.531	8.046	5110279	2046750	1.597	0.600	#
9)	trans-Chl...	7.621	8.167	68352561	83334086	21.858	25.692	
10)	cis-Chlor...	7.714	8.275	80379948	71022290	25.773	20.749	
11)	Endosulfa...	7.834	8.347f	1879763	1414283	0.637	0.450	#
12)	4,4'-DDE	7.773	8.371	2542408	1995087	0.946	0.650	#
13)	Dieldrin	8.004	8.527	2164913	6792258	0.660	2.050	#
14)	Endrin	8.145	8.771	1129431	1042783	0.434	0.422	
15)	4,4'-DDD	8.182f	8.798	11708355	13538527	5.646	6.288	
16)	Endosulfa...	8.318	8.914	1488154	1538515	0.597	0.552	
17)	4,4'-DDT	8.361f	9.037	694662	681714	0.255	0.226	
18)	Endrin Al...	8.632f	9.114f	416744	446277	0.179	0.173	
19)	Endosulfa...	8.918	9.335	793846	67103	0.322	0.025	#
20)	Methoxychlor	8.732	9.513	340254	80051	0.149	BelowCal	#
21)	Endrin Ke...	9.105	9.736	121062	779401	0.041	0.091	#
23)	Hexachlor...	3.394f	3.742	73188	32473	0.021	BelowCal	#
24)	Hexachlor...	5.955	6.486	63331	49545	0.020	BelowCal	#
25)	Oxychlordane	7.445	7.969	781245	1142449	0.272	0.351	#
26)	2,4'-DDE	7.531	8.167	5110279	83334086	2.764	36.784	#
27)	trans-Non...	7.714	8.230	80379948	62866201	25.593	19.076	#
28)	2,4'-DDD	7.871f	8.527	5399628	6792258	3.511	3.897	
29)	2,4'-DDT	8.114f	8.771	1711522	1042783	0.905	0.467	#
30)	cis-Nonac...	8.182	8.798	11708355	13538527	3.389	3.652	
31)	Mirex	8.846	9.736	57354	779401	0.025	0.032	#
32)	Chlordane...	7.621	8.167	68352561	83334086	197.144	188.293	
33)	Chlordane...	7.714	8.275	80379948	71022290	192.000	184.682	
34)	Chlordane...	8.269	8.940	21205536	20651993	188.027	190.014	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.714f	8.527f	80379948	6792258	5912.993	217.916	#
37)	Toxaphene...	8.004	8.856	2164913	2125780	77.647	52.314	#
38)	Toxaphene...	8.318	8.891	1488154	2059911	24.253	32.275	#
39)	Toxaphene...	8.548	8.940	1277165	20651993	20.892	195.876	#
40)	Toxaphene...	8.759	9.114	358113	446277	7.472	7.818	
41)	Toxaphene...	8.846	9.513	57354	80051	0.949	1.308	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:20
Operator : MJB
Sample : 0C16047-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:50 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:36
Operator : MJB
Sample : 0C16047-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:59 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

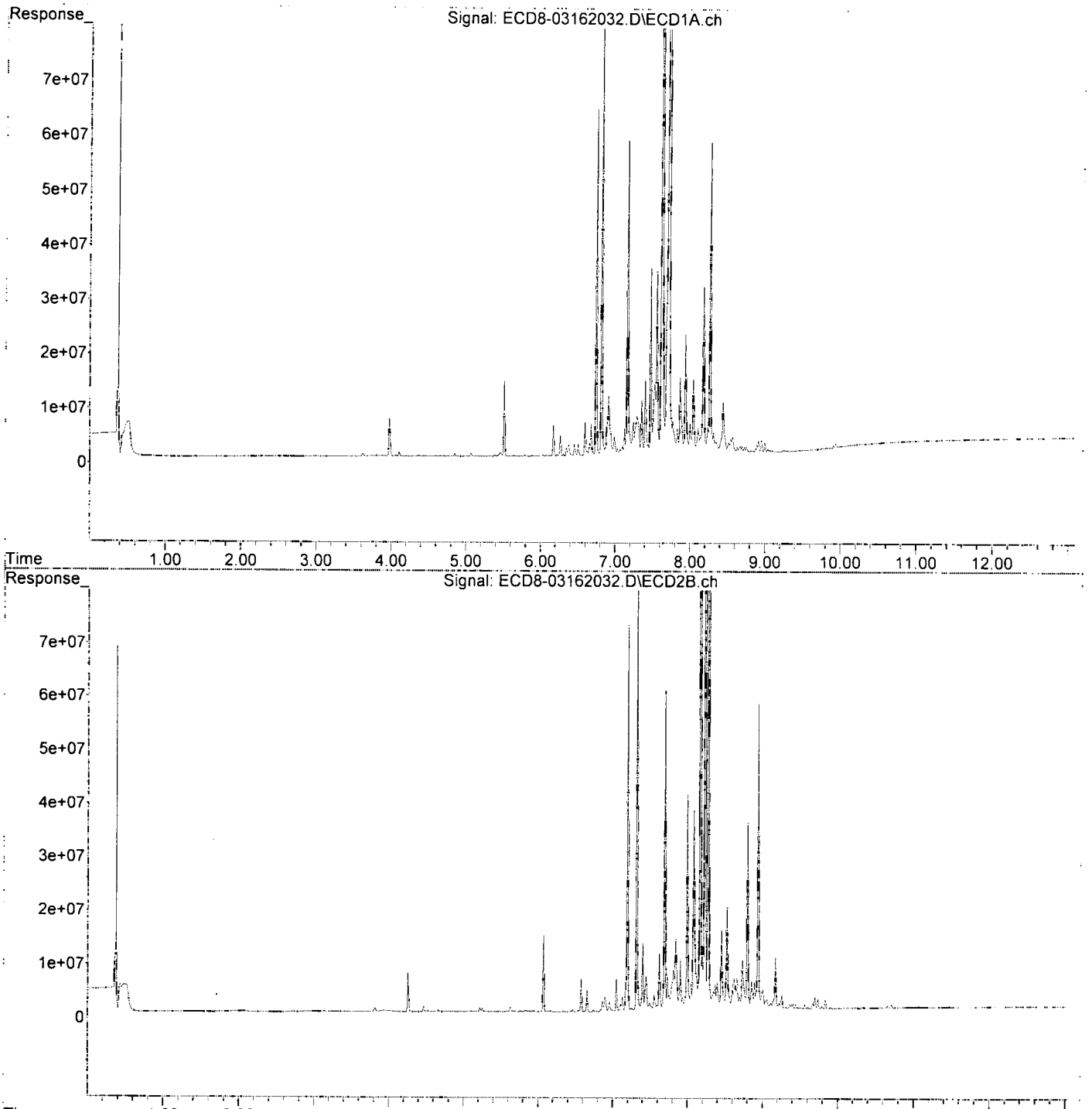
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.579	6.038	95792	149268	0.030	0.041	#
22)	S	DCBP (S)	9.820	10.616	417779	174286	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.108	6.654f	116909	4116707	0.027	0.970	#
3)		g-BHC	6.418	6.954	205991	1774533	0.056	0.458	#
4)		b-BHC	6.506f	7.047f	2150443	6014307	1.694	3.675	#
5)		Heptachlor	6.816	7.320	83737254	88076677	24.735	25.090	
6)		d-BHC	6.623	7.270	844667	376638	0.309	0.113	#
7)		Aldrin	7.066	7.591	1079947	1071344	0.317	0.284	
8)		Heptachlo...	7.529	8.046	12885765	5031190	4.027	1.476	#
9)		trans-Chl...	7.620	8.166	173.2E6	231.7E6	55.389	66.491	
10)		cis-Chlor...	7.714	8.274	208.9E6	197.1E6	66.969	57.576	
11)		Endosulfa...	7.833	8.348f	4716025	3616112	1.599	1.149	#
12)		4,4'-DDE	7.773	8.370	6042119	4780754	2.249	1.589	#
13)		Dieldrin	8.003	8.527	5478213	19086481	1.671	5.769	#
14)		Endrin	8.143	8.772	2980659	2669807	1.146	1.101	
15)		4,4'-DDD	8.182f	8.799	30740767	34758469	14.824	15.899	
16)		Endosulfa...	8.318	8.915	3791079	3950917	1.522	1.559	
17)		4,4'-DDT	8.361f	9.038	1981843	1614663	0.945	0.704	#
18)		Endrin Al...	8.632f	9.111f	1083289	1246709	0.465	0.483	
19)		Endosulfa...	8.918	9.339	2109674	270081	0.855	0.101	#
20)		Methoxychlor	8.732	9.511	1022448	321973	0.922	0.104	#
21)		Endrin Ke...	9.103	9.735	296224	1909689	0.101	0.560	#
23)		Hexachlor...	3.392f	3.741	68525	32019	0.020	BelowCal	#
24)		Hexachlor...	5.952	6.464f	103276	427991	0.033	0.001	#
25)		Oxychlordane	7.444	7.968	1894638	2819945	0.659	0.867	#
26)		2,4'-DDE	7.529	8.166	12885765	231.7E6	6.970	92.850	#
27)		trans-Non...	7.714	8.229	208.9E6	164.7E6	66.501	47.718	#
28)		2,4'-DDD	7.870f	8.527	14061459	19086481	9.143	11.031	
29)		2,4'-DDT	8.113f	8.772	4605772	2669807	2.435	1.344	#
30)		cis-Nonac...	8.182	8.799	30740767	34758469	8.898	9.357	
31)		Mirex	8.846	9.735	300656	1909689	0.132	0.605	#
32)		Chlordane...	7.620	8.166	173.2E6	231.7E6	499.580	523.559	
33)		Chlordane...	7.714	8.274	208.9E6	197.1E6	498.887	512.467	
34)		Chlordane...	8.269	8.940	57227293	56878133	507.428	510.082	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.714f	8.527f	208.9E6	19086481	15364.124	612.351	#
37)		Toxaphene...	8.003	8.856	5478213	5372060	196.481	132.203	#
38)		Toxaphene...	8.318	8.891	3791079	5224220	61.784	81.854	#
39)		Toxaphene...	8.548	8.940	2538466	56878133	41.525	539.467	#
40)		Toxaphene...	8.759	9.111	1048580	1246709	21.877	21.840	
41)		Toxaphene...	8.846	9.511	300656	321973	4.975	5.263	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:36
Operator : MJB
Sample : 0C16047-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:12:59 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:53
Operator : MJB
Sample : 0C16047-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:13:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MWB 3/17/20

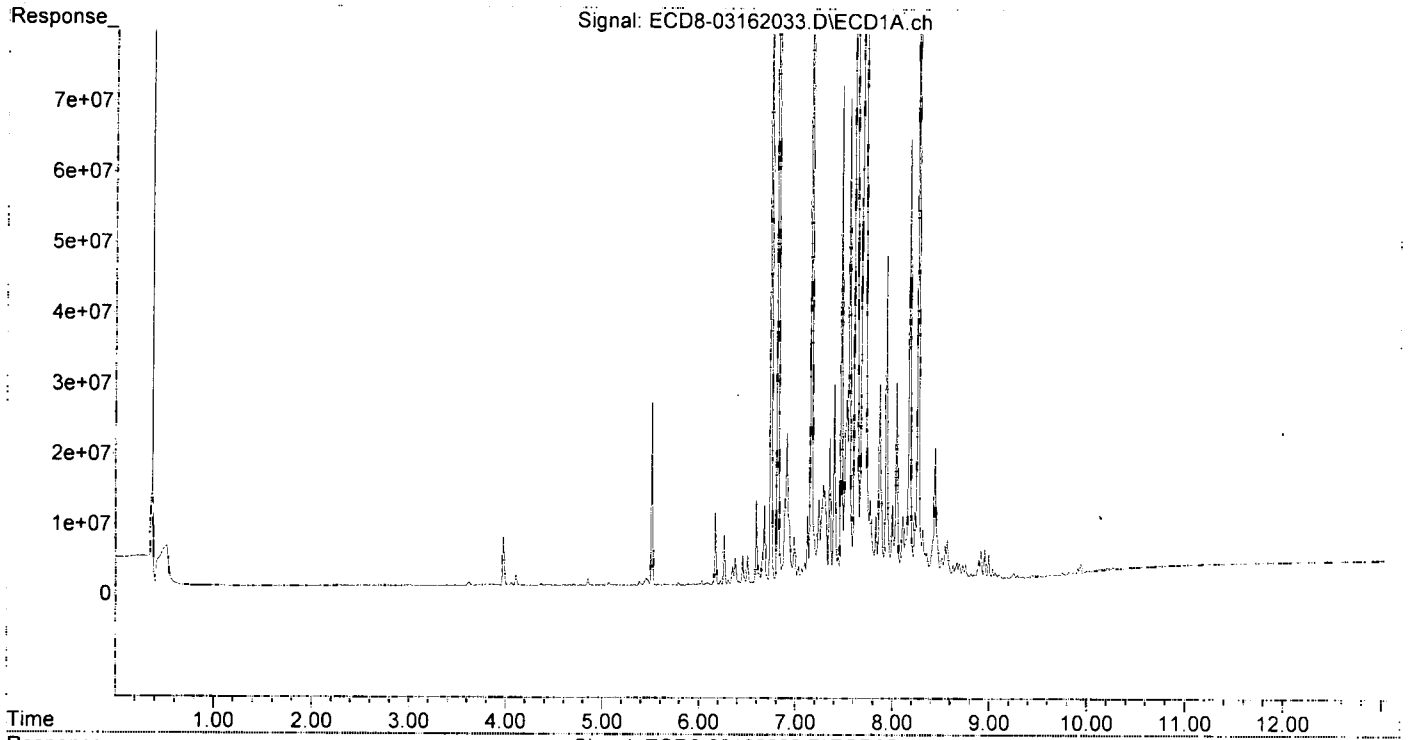
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.578	6.035	170057	133046	0.054	0.036	#
22)	S	DCBP (S)	9.819	10.617	624699	264025	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.106	6.655f	210834	7774343	0.049	1.788	#
3)		g-BHC	6.419	6.955	405531	3285782	0.111	0.848	#
4)		b-BHC	6.506f	7.021	4163311	388321	3.418	0.237	#
5)		Heptachlor	6.817	7.320	167.8E6	181.0E6	49.562	51.562	
6)		d-BHC	6.622	7.253	1527688	1126750	0.583	0.346	#
7)		Aldrin	7.066	7.591	2122634	1997802	0.623	0.529	
8)		Heptachlo...	7.529	8.045	26209884	10128919	8.192	2.972	#
9)		trans-Chl...	7.619	8.166	352.3E6	471.7E6	112.642	123.068	
10)		cis-Chlor...	7.714	8.274	422.6E6	399.5E6	135.512	116.704	
11)		Endosulfa...	7.833	8.347f	9521182	7258625	3.229	2.307	#
12)		4,4'-DDE	7.771	8.369	11700163	9791593	4.355	3.268	
13)		Dieldrin	8.003	8.526	10993796	41641627	3.353	12.471	#
14)		Endrin	8.143	8.772	6072446	5445771	2.334	2.256	
15)		4,4'-DDD	8.181f	8.798	62968509	71759726	30.366	31.782	
16)		Endosulfa...	8.317	8.914	7409176	8066770	2.974	3.267	
17)		4,4'-DDT	8.361f	9.037	4052010	3094079	2.050	1.459	#
18)		Endrin Al...	8.631f	9.111f	2170305	2571983	0.931	0.996	
19)		Endosulfa...	8.917	9.337	4188873	638961	1.697	0.240	#
20)		Methoxychlor	8.731	9.522	2108836	780022	2.149	0.589	#
21)		Endrin Ke...	9.102	9.736	594874	3681054	0.203	1.292	#
23)		Hexachlor...	3.395f	3.720	56554	13088	0.016	BelowCal	#
24)		Hexachlor...	5.953	6.464f	192684	777864	0.061	0.108	#
25)		Oxychlordane	7.443	7.968	3650892	5394607	1.270	1.659	#
26)		2,4'-DDE	7.529	8.166	26209884	471.7E6	14.177	168.082	#
27)		trans-Non...	7.714	8.230	422.6E6	345.7E6	134.565	93.089	#
28)		2,4'-DDD	7.870f	8.526	28344795	41641627	18.429	23.643	#
29)		2,4'-DDT	8.111f	8.772	9290013	5445771	4.912	2.830	#
30)		cis-Nonac...	8.181	8.798	62968509	71759726	18.225	19.014	
31)		Mirex	8.845	9.736	686110	3681054	0.300	1.502	#
32)		Chlordane...	7.619	8.166	352.3E6	471.7E6	1015.969	1065.802	
33)		Chlordane...	7.714	8.274	422.6E6	399.5E6	1009.497	1038.756	
34)		Chlordane...	8.268	8.940	116.5E6	121.5E6	1033.025	1032.417	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.714f	8.526f	422.6E6	41641627	31089.292	1335.986	#
37)		Toxaphene...	8.003	8.855	10993796	10669389	394.303	262.566	#
38)		Toxaphene...	8.317	8.891	7409176	10340154	120.748	162.011	#
39)		Toxaphene...	8.548	8.940	4931056	121.5E6	80.663	1152.554	#
40)		Toxaphene...	8.758	9.111f	2204336	2571983	45.991	45.057	
41)		Toxaphene...	8.845	9.522	686110	780022	11.353	12.750	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

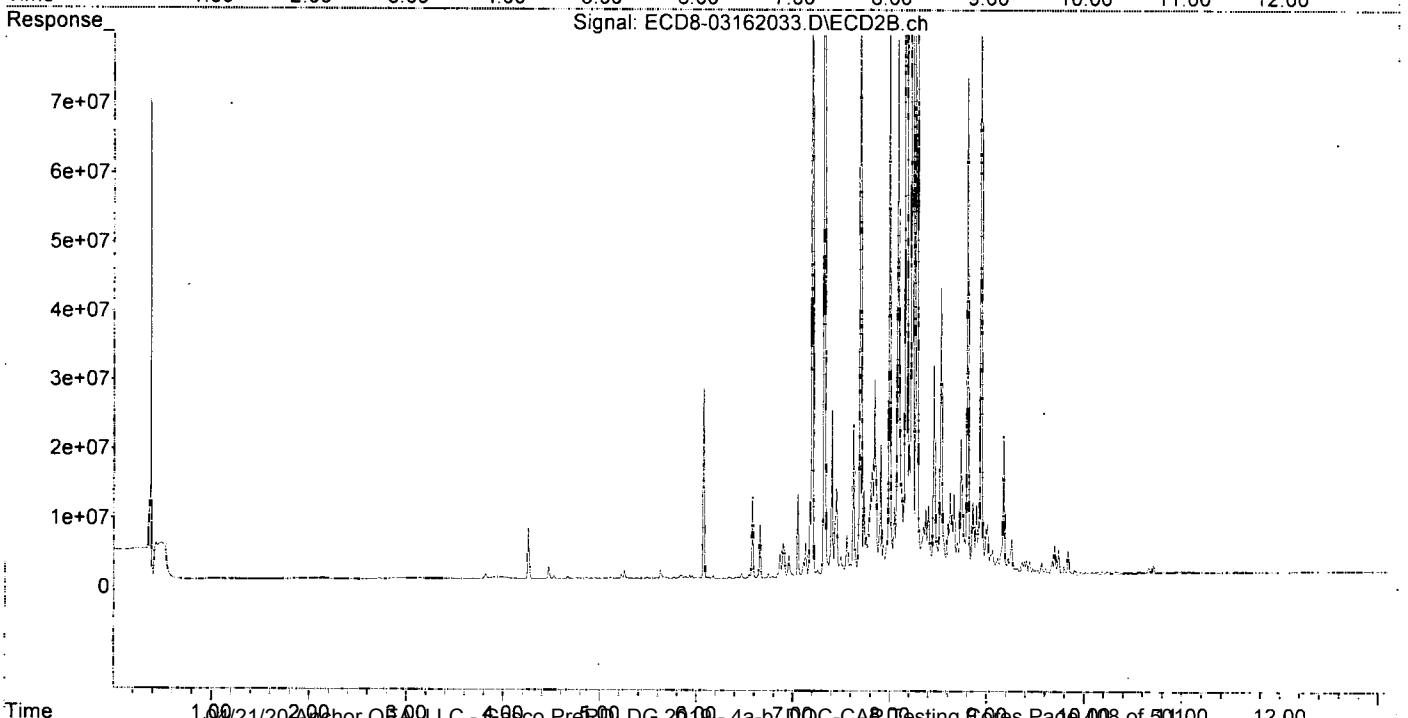
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:53
Operator : MJB
Sample : 0C16047-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:13:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:09
Operator : MJB
Sample : 0C16047-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:13:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

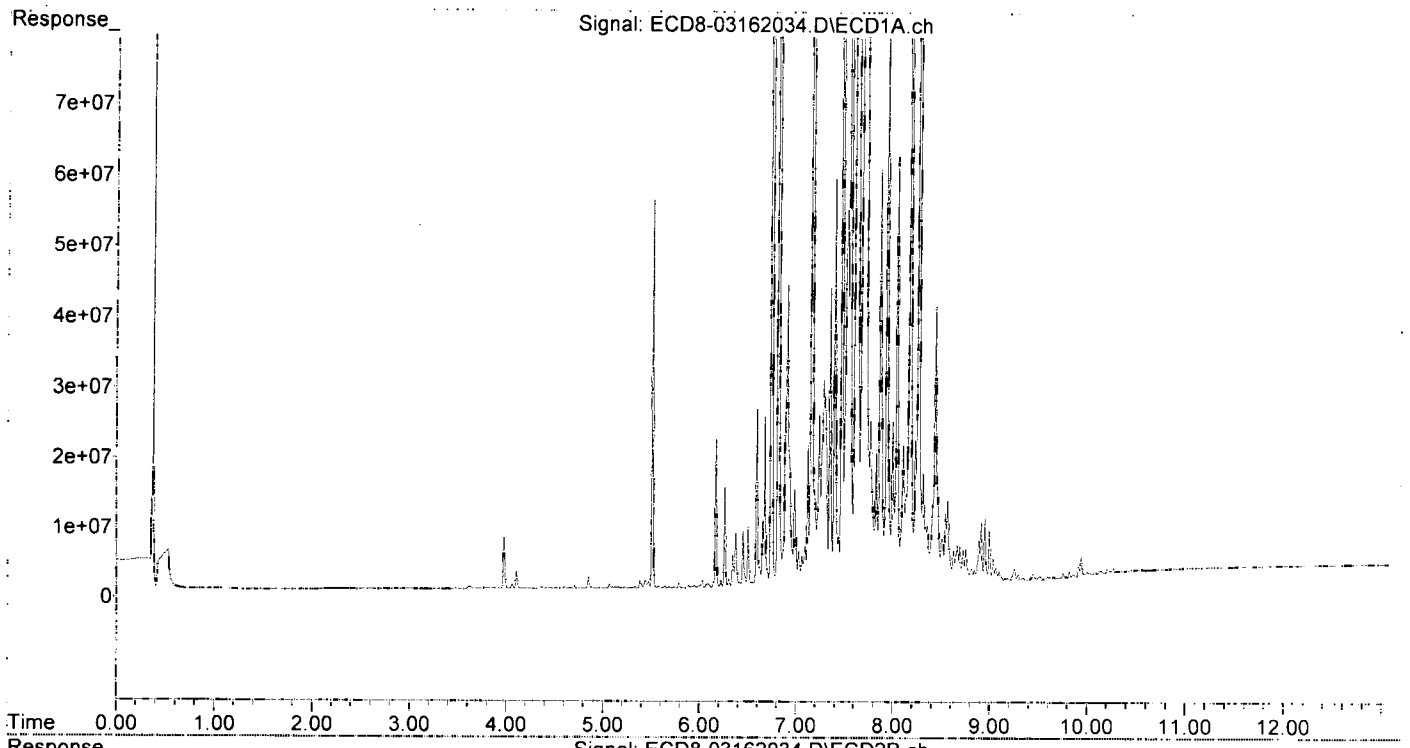
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.578	6.033	327065	158355	0.103	0.043	#
22)	S	DCBP (S)	9.821	10.618	1000828	438028	0.137	BelowCal	#
		Target Compounds							
2)		a-BHC	6.148f	6.655f	917787	15332399	0.215	3.474	#
3)		g-BHC	6.419	6.954	739763	6671568	0.203	1.723	#
4)		b-BHC	6.506f	7.021	8597524	815125	7.184	0.498	#
5)		Heptachlor	6.816	7.320	353.9E6	400.8E6	104.548	114.182	
6)		d-BHC	6.622	7.253	2822834	2234522	1.100	0.689	#
7)		Aldrin	7.065	7.591	4282147	3813685	1.257	1.010	
8)		Heptachlo...	7.528	8.044	53596370	20807247	16.751	6.105	#
9)		trans-Chl...	7.618	8.166	752.1E6	1019.4E6	240.506	227.553	
10)		cis-Chlor...	7.712	8.274	870.7E6	898.7E6	279.182	262.540	
11)		Endosulfa...	7.831	8.346f	19207252	15498763	6.514	4.926	
12)		4,4'-DDE	7.771	8.369	23409668	20510365	8.714	6.824	
13)		Dieldrin	8.001	8.525	23346293	92908106	7.119	27.172	#
14)		Endrin	8.141	8.772	12931689	11708197	4.970	4.839	
15)		4,4'-DDD	8.180f	8.798	128.9E6	152.7E6	62.166	63.434	
16)		Endosulfa...	8.316	8.914	15750806	16906776	6.322	6.900	
17)		4,4'-DDT	8.386	9.037	4342371	6450043	2.205	3.160	#
18)		Endrin Al...	8.631f	9.171f	4572123	41839736	1.961	16.204	#
19)		Endosulfa...	8.917	9.313	8558469	2370450	3.467	0.890	#
20)		Methoxychlor	8.730	9.522	4638725	1776955	4.993	1.644	#
21)		Endrin Ke...	9.101	9.735	1346959	7258175	0.461	2.764	#
23)		Hexachlor...	3.393f	3.741	75331	31218	0.022	BelowCal	#
24)		Hexachlor...	5.951	6.464f	349512	1463199	0.110	0.319	#
25)		Oxychlordane	7.442	7.968	6975674	11149002	2.427	3.428	#
26)		2,4'-DDE	7.528	8.166	53596370	1019.4E6	28.990	303.001	#
27)		trans-Non...	7.712	8.230	870.7E6	725.3E6	277.232	173.474	#
28)		2,4'-DDD	7.869f	8.525	59075554	92908106	38.410	50.372	#
29)		2,4'-DDT	8.110f	8.772	19886417	11708197	10.514	6.147	#
30)		cis-Nonac...	8.180	8.798	128.9E6	152.7E6	37.312	39.002	
31)		Mirex	8.845	9.735	1652847	7258175	0.724	3.305	#
32)		Chlordane...	7.618	8.166	752.1E6	1019.4E6	2169.244	2303.424	
33)		Chlordane...	7.712	8.274	870.7E6	898.7E6	2079.770	2336.805	
34)		Chlordane...	8.267	8.938	243.0E6	254.9E6	2154.499	1971.223	
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.712f	8.525f	870.7E6	92908106	64050.298	2980.766	#
37)		Toxaphene...	8.001	8.854	23346293	22910742	837.337	563.818	#
38)		Toxaphene...	8.316	8.890	15750806	22475524	256.692	352.151	#
39)		Toxaphene...	8.547	8.938	9801459	254.9E6	160.334	2417.718	#
40)		Toxaphene...	8.757	9.110f	4696735	5290059	97.991	92.673	
41)		Toxaphene...	8.845	9.522	1652847	1776955	27.351	29.046	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

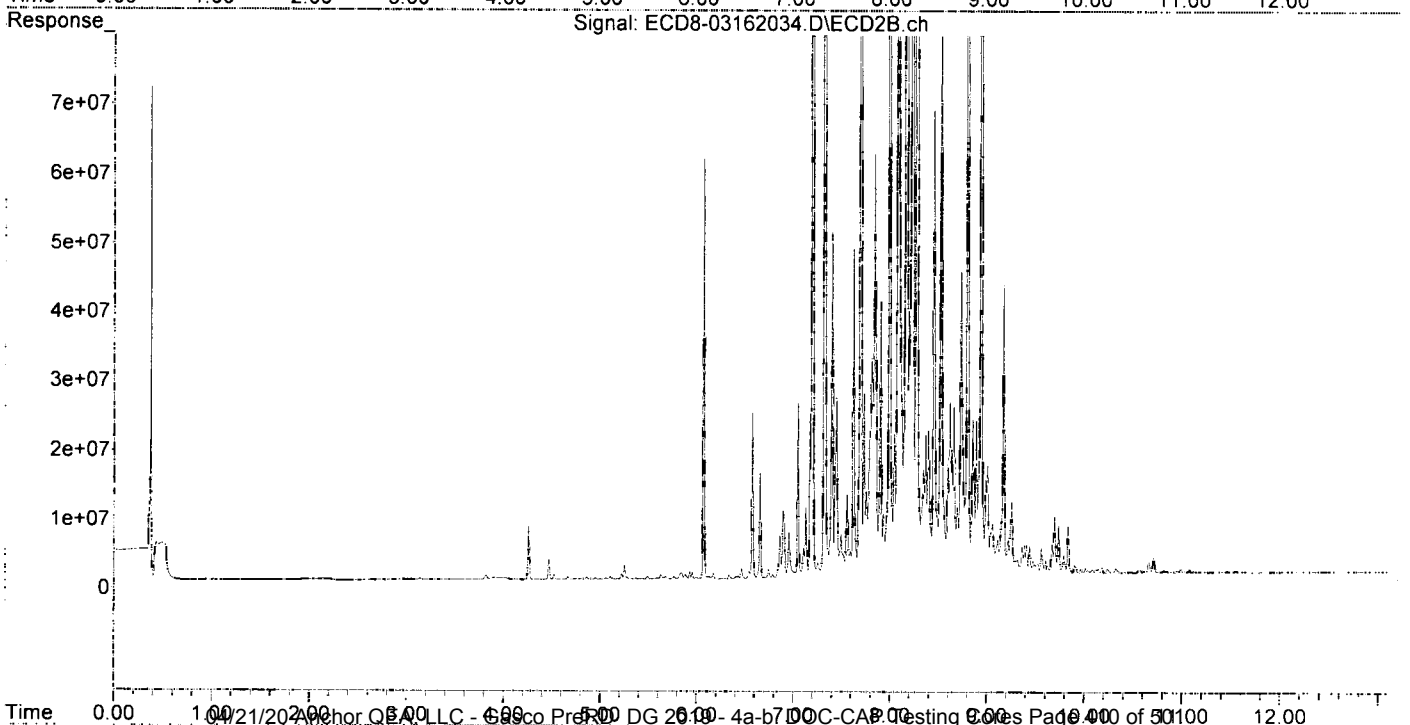
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:09
Operator : MJB
Sample : 0C16047-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:13:19 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:59
Operator : MJB
Sample : 0C16047-CALQ
Misc : A20C233, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:13:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	6.019	0	14665	N.D.	0.004	#
22)	S	DCBP (S)	9.808	10.607	195966	173971	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.124	6.628	21202	2985	0.005	0.047	#
3)		g-BHC	0.000	6.948	0	18834	N.D.	0.005	#
4)		b-BHC	6.479	7.017	32039	22055	BelowCal	0.013	
5)		Heptachlor	6.815	7.322	13570	19881	0.004	0.006	#
6)		d-BHC	6.636	7.273	19494	38008	BelowCal	0.008	
7)		Aldrin	7.061	7.596	25742	11969	0.008	0.003	#
8)		Heptachlo...	7.531	8.024	37118	84262	0.012	0.025	#
9)		trans-Chl...	7.607	8.166	57349	81601	0.018	BelowCal	#
10)		cis-Chlor...	7.711	8.257	110073	127290	0.035	0.037	
11)		Endosulfa...	7.824	8.332	193991	144334	0.066	0.046	#
12)		4,4'-DDE	7.775	8.398	88996	150852	0.033	0.027	
13)		Dieldrin	7.993	8.544	278871	173664	0.085	0.028	#
14)		Endrin	8.136f	8.753	143278	305047	0.055	0.113	#
15)		4,4'-DDD	8.221	8.800	197715	210381	0.095	0.037	#
16)		Endosulfa...	8.309	8.890	583372	689828	0.234	0.197	
17)		4,4'-DDT	8.390	9.018	492612	401178	0.147	0.082	#
18)		Endrin Al...	8.596	9.135	487099	606504	0.209	0.235	
19)		Endosulfa...	8.916	9.336	175689	239407	0.071	0.090	#
20)		Methoxychlor	8.750	9.518	133250	660324	BelowCal	0.463	
21)		Endrin Ke...	9.107	9.746	175495	248858	0.060	BelowCal	#
23)		Hexachlor...	3.370	3.722	25563	12743	0.007	BelowCal	#
24)		Hexachlor...	5.959	6.490	25754	31116	0.008	BelowCal	#
25)		Oxychlordane	7.456	7.938	150123	51622	0.052	0.016	#
26)		2,4'-DDE	7.531	8.166	37118	81601	0.020	BelowCal	#
27)		trans-Non...	7.711	8.241	110073	160400	0.035	BelowCal	#
28)		2,4'-DDD	7.911	8.544	180306	173664	0.117	BelowCal	#
29)		2,4'-DDT	8.097	8.753	288293	305047	0.152	0.069	#
30)		cis-Nonac...	8.184	8.800	367789	210381	0.106	0.001	#
31)		Mirex	8.850	9.746	589146	248858	0.258	BelowCal	#
32)		Chlordane...	7.607	8.166	57349	81601	0.165	0.184	
33)		Chlordane...	7.711	8.257	110073	127290	0.263	0.331	#
34)		Chlordane...	8.250	8.958	179727	2078231	1.594	16.408	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.697	8.506	114148	331983	8.397	10.651	#
37)		Toxaphene...	7.993	8.853	278871	412705	10.002	10.156	
38)		Toxaphene...	8.309	8.890	583372	689828	9.507	10.808	
39)		Toxaphene...	8.547	8.958	1008912	2078231	16.504	19.711	
40)		Toxaphene...	8.781	9.135	429605	606504	8.963	10.625	
41)		Toxaphene...	8.850	9.518	589146	660324	9.749	10.793	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

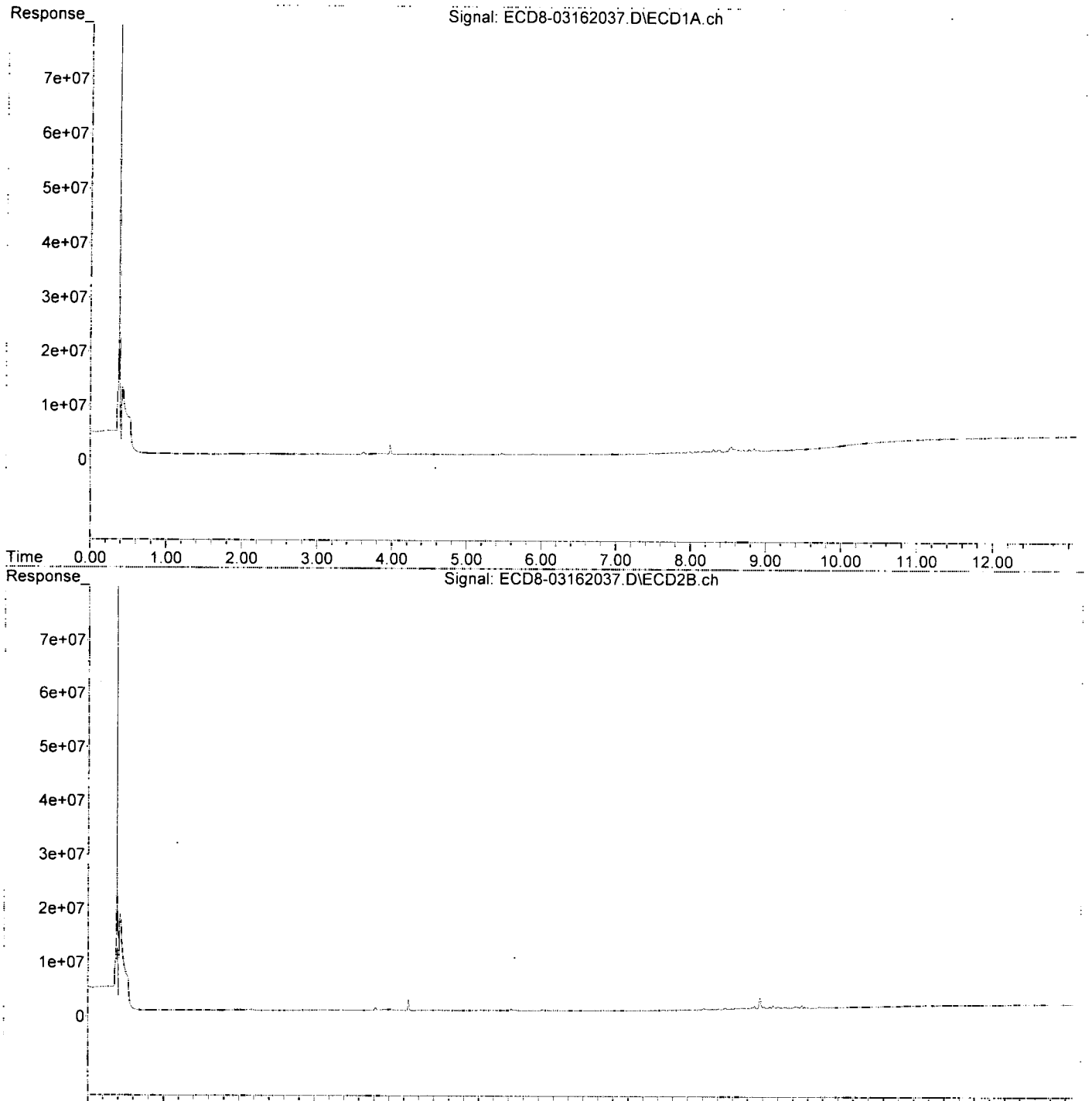
not used in cal.

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:59
Operator : MJB
Sample : 0C16047-CALQ
Misc : A20C233, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:13:49 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:15
Operator : MJB
Sample : 0C16047-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

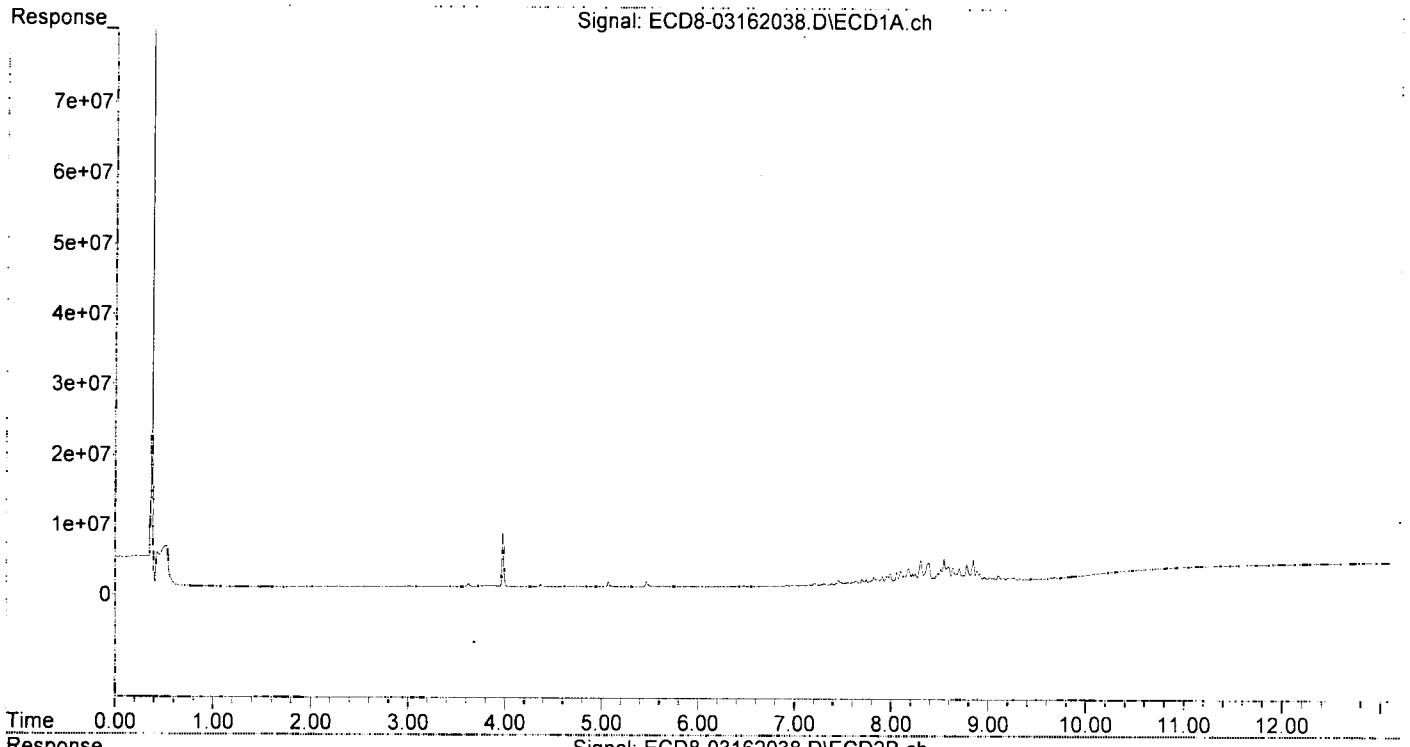
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	6.040	0	179778	N.D.	0.049	#
22)	S	DCBP (S)	9.811	10.587	151777	166267	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.117	6.626	43179	19514	0.010	0.051	#
3)		g-BHC	6.405	6.941	17744	27685	0.005	0.007	#
4)		b-BHC	6.473	7.018	132061	25278	BelowCal	0.015	
5)		Heptachlor	6.817	7.323	32558	33762	0.010	0.010	
6)		d-BHC	6.646	7.269	34415	54878	BelowCal	0.013	
7)		Aldrin	7.062	7.615f	60472	147703	0.018	0.039	#
8)		Heptachlo...	7.528	8.019	221176	520467	0.069	0.153	#
9)		trans-Chl...	7.637	8.168	550539	463847	0.176	BelowCal	#
10)		cis-Chlor...	7.695f	8.256	687941	606562	0.221	0.177	
11)		Endosulfa...	7.823	8.331	979544	784295	0.332	0.249	
12)		4,4'-DDE	7.778	8.396	348796	907112	0.130	0.283	#
13)		Dieldrin	7.990	8.544	1449392	1012998	0.442	0.286	#
14)		Endrin	8.180f	8.751	2053233	1770358	0.789	0.726	
15)		4,4'-DDD	8.220	8.801	1322556	1238446	0.638	0.525	
16)		Endosulfa...	8.306	8.889	3196469	3372485	1.283	1.318	
17)		4,4'-DDT	8.388	9.018	2773568	1498915	1.368	0.644	#
18)		Endrin Al...	8.595	9.134	2198149	2917713	0.943	1.130	
19)		Endosulfa...	8.916	9.335	1149413	1348427	0.466	0.506	
20)		Methoxychlor	8.747	9.517	950224	3110662	0.840	3.048	#
21)		Endrin Ke...	9.103	9.760f	758175	673927	0.259	0.048	#
23)		Hexachlor...	3.368	3.723	51694	46292	0.015	BelowCal	#
24)		Hexachlor...	5.962	6.489	78280	100610	0.025	BelowCal	#
25)		Oxychlordane	7.454	7.971	720552	441082	0.251	0.136	#
26)		2,4'-DDE	7.528	8.168	221176	463847	0.120	0.162	#
27)		trans-Non...	7.695	8.240	687941	646889	0.219	0.091	#
28)		2,4'-DDD	7.909	8.544	1041994	1012998	0.677	0.474	#
29)		2,4'-DDT	8.096	8.751	1760059	1770358	0.931	0.860	
30)		cis-Nonac...	8.180	8.801	2053233	1238446	0.594	0.285	#
31)		Mirex	8.847	9.760f	3100626	673927	1.357	BelowCal	#
32)		Chlordane...	7.637	8.168	550539	463847	1.588	1.048	#
33)		Chlordane...	7.695	8.256	687941	606562	1.643	1.577	
34)		Chlordane...	8.248f	8.957	1295918	5942053	11.491	53.112	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.695	8.504	687941	1715739	50.607	55.046	
37)		Toxaphene...	7.990	8.853	1449392	2171985	51.984	53.451	
38)		Toxaphene...	8.306	8.889	3196469	3372485	52.093	52.841	
39)		Toxaphene...	8.547	8.957	3307268	5942053	54.101	56.358	
40)		Toxaphene...	8.779	9.134	2425970	2917713	50.615	51.114	
41)		Toxaphene...	8.847	9.517	3100626	3110662	51.308	50.846	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

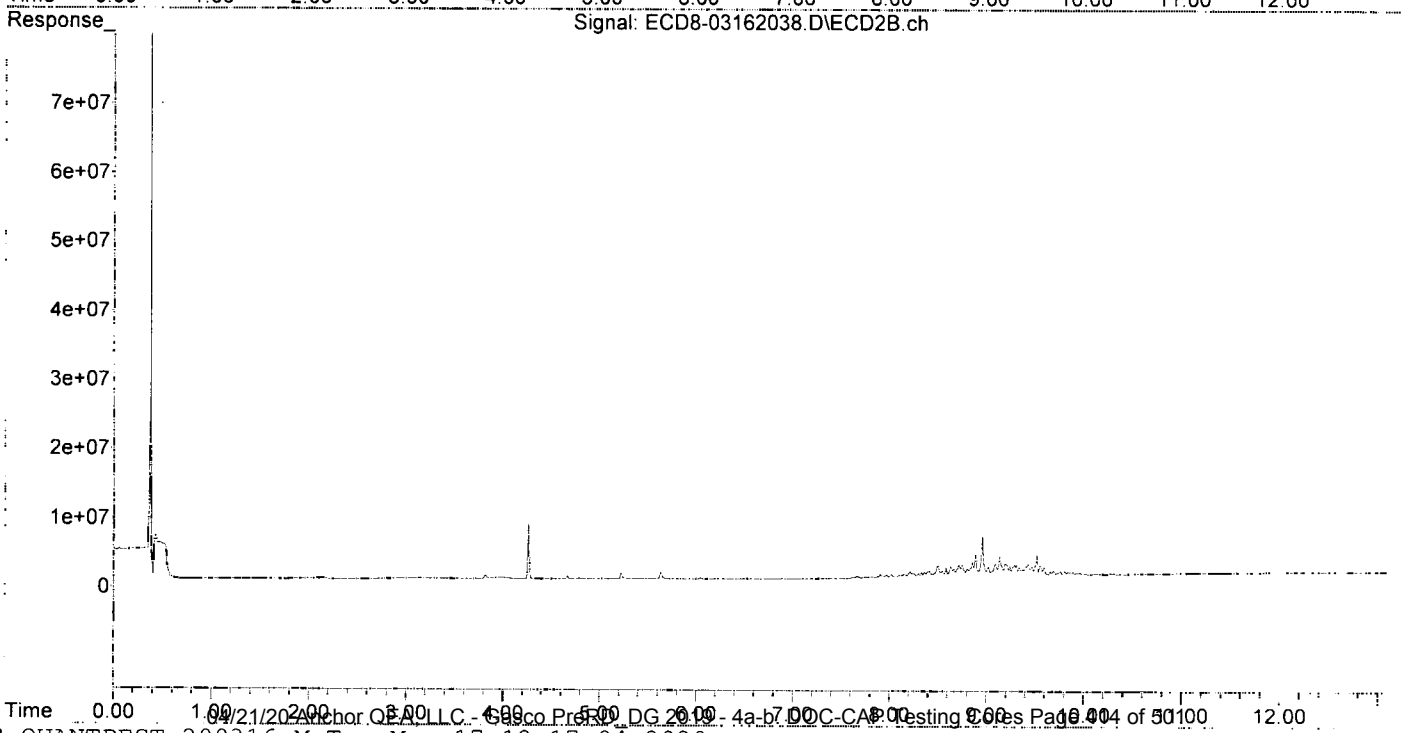
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:15
Operator : MJB
Sample : 0C16047-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:06 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:32
Operator : MJB
Sample : 0C16047-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

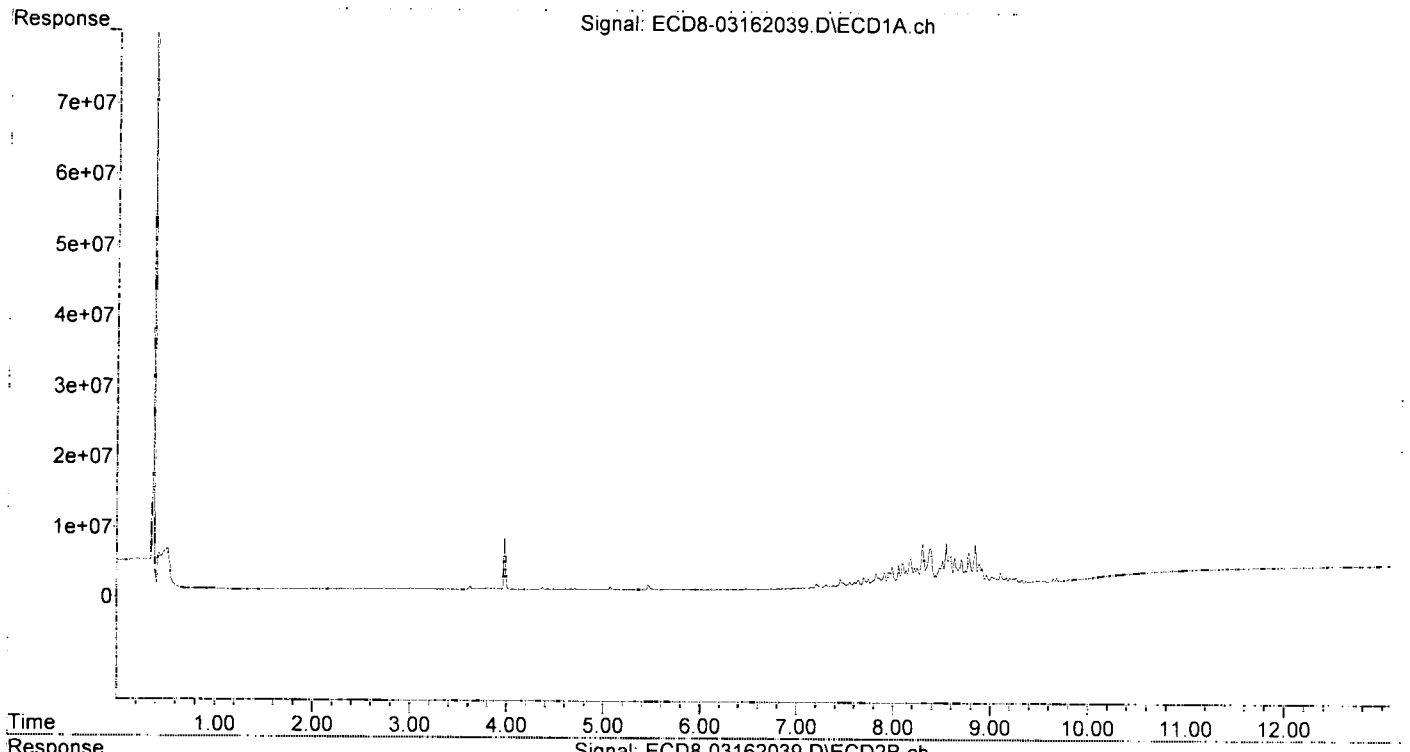
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.572	6.042	14001	87459	0.004	0.024	#
22)	S	DCBP (S)	9.806	10.603	304056	280234	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.118	6.627	43306	22422	0.010	0.052	#
3)		g-BHC	6.408	6.937	23427	41645	0.006	0.011	#
4)		b-BHC	6.474	7.017	133454	31091	BelowCal	0.019	
5)		Heptachlor	6.818	7.321	47439	67711	0.014	0.019	#
6)		d-BHC	6.648	7.268	48469	81604	BelowCal	0.022	
7)		Aldrin	7.058	7.616f	123477	241739	0.036	0.064	#
8)		Heptachlo...	7.527	8.019	432505	973836	0.135	0.286	#
9)		trans-Chl...	7.639	8.169	1042641	793878	0.333	0.092	#
10)		cis-Chlor...	7.725	8.256	736111	1099961	0.236	0.321	#
11)		Endosulfa...	7.822	8.331	1893394	1456749	0.642	0.463	#
12)		4,4'-DDE	7.744f	8.395	1251022	1735555	0.466	0.563	
13)		Dieldrin	7.990	8.544	2762575	1880014	0.842	0.551	#
14)		Endrin	8.182f	8.751	3894273	3203516	1.497	1.324	
15)		4,4'-DDD	8.219	8.801	2589967	2286782	1.249	1.022	
16)		Endosulfa...	8.306	8.888	6039456	5860542	2.424	2.353	
17)		4,4'-DDT	8.385	9.017	5263545	2653340	2.695	1.234	#
18)		Endrin Al...	8.594	9.133	4174236	5438780	1.790	2.106	
19)		Endosulfa...	8.915	9.334	2219175	2538087	0.899	0.953	
20)		Methoxychlor	8.746	9.516	1966590	5773709	1.989	5.828	#
21)		Endrin Ke...	9.102	9.760f	1466193	1285726	0.501	0.301	#
23)		Hexachlor...	3.368	3.721	20170	28515	0.006	BelowCal	#
24)		Hexachlor...	5.960	6.489	13669	26836	0.004	BelowCal	#
25)		Oxychlordane	7.454	7.971	1208740	829680	0.420	0.255	#
26)		2,4'-DDE	7.527	8.169	432505	793878	0.234	0.318	#
27)		trans-Non...	7.694	8.240	1367921	1164923	0.436	0.255	#
28)		2,4'-DDD	7.909	8.544	2000769	1880014	1.301	0.991	
29)		2,4'-DDT	8.095	8.751	3275125	3203516	1.732	1.630	
30)		cis-Nonac...	8.182	8.801	3894273	2286782	1.127	0.573	#
31)		Mirex	8.847	9.760f	5689673	1285726	2.491	0.289	#
32)		Chlordane...	7.639	8.169	1042641	793878	3.007	1.794	#
33)		Chlordane...	7.725	8.256	736111	1099961	1.758	2.860	#
34)		Chlordane...	8.247f	8.956	2503299	10224863	22.196	93.426	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.694	8.504	1367921	3059375	100.628	98.154	
37)		Toxaphene...	7.990	8.852	2762575	3943993	99.082	97.059	
38)		Toxaphene...	8.306	8.888	6039456	5860542	98.426	91.824	
39)		Toxaphene...	8.547	8.956	5949318	10224863	97.320	96.979	
40)		Toxaphene...	8.779	9.133	4536179	5438780	94.642	95.279	
41)		Toxaphene...	8.847	9.516	5689673	5773709	94.150	94.375	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

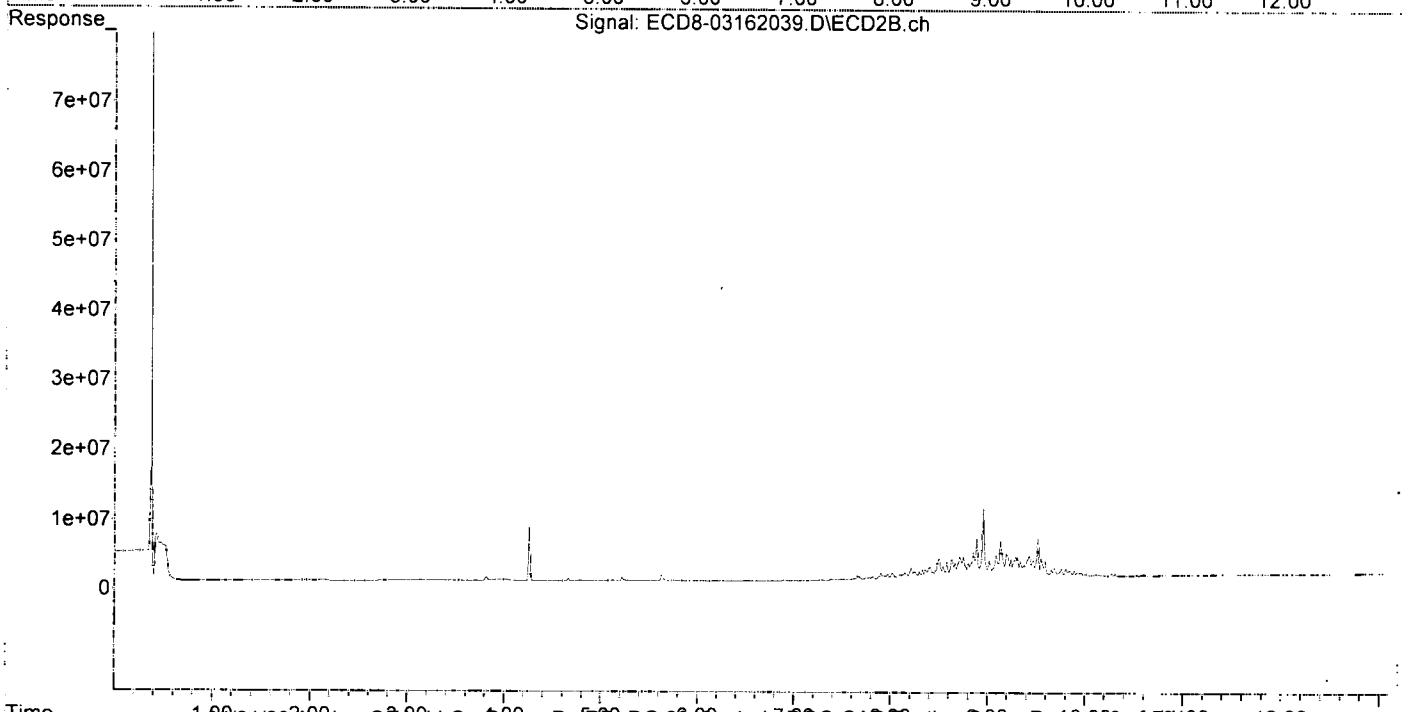
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:32
Operator : MJB
Sample : 0C16047-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:15 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:49
Operator : MJB
Sample : 0C16047-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

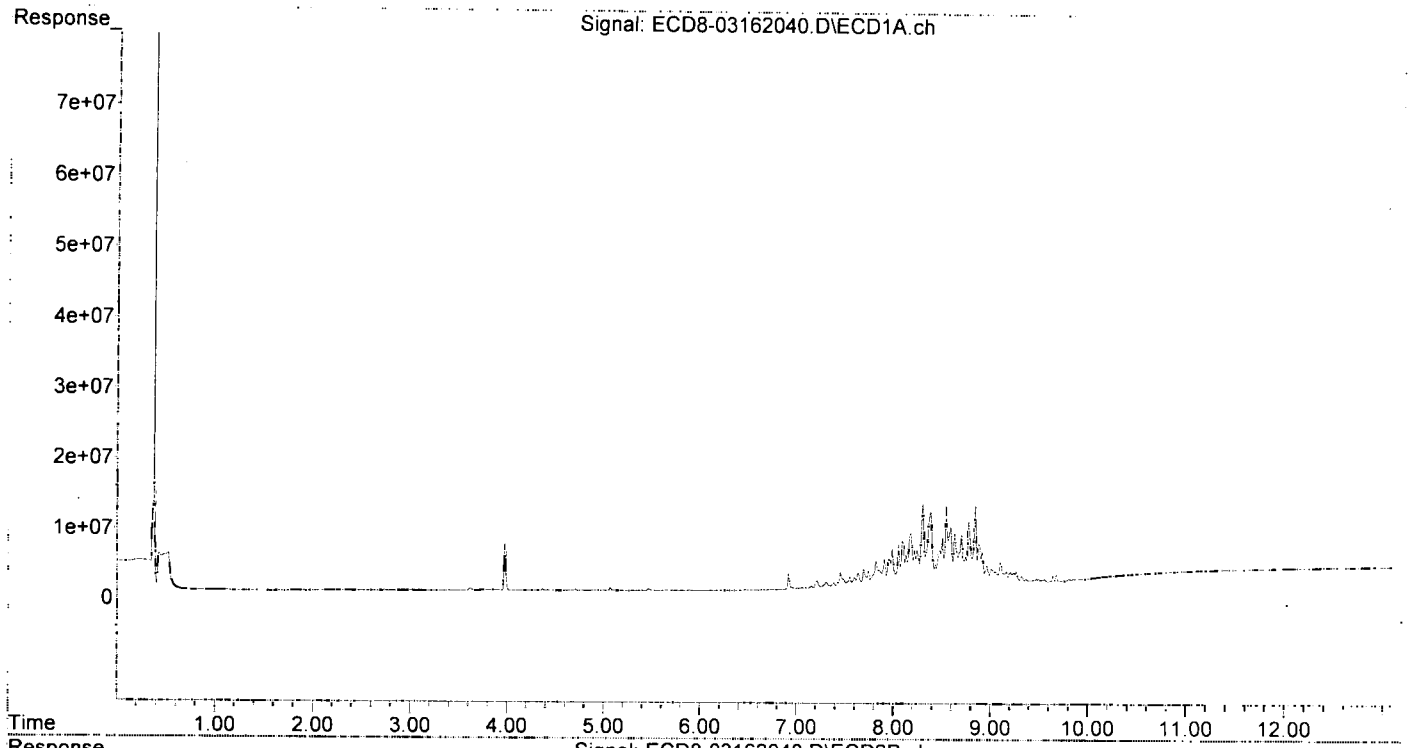
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.578	6.042	10205	113807	0.003	0.031	#
22)	S	DCBP (S)	9.805	10.602	326338	270460	BelowCal	BelowCal	
		Target Compounds							
2)		a-BHC	6.115	6.629	50023	29972	0.012	0.053	#
3)		g-BHC	6.415	6.939	25986	70251	0.007	0.018	#
4)		b-BHC	6.474	6.997	147754	99487	BelowCal	0.061	
5)		Heptachlor	6.817	7.320	76409	143722	0.023	0.041	#
6)		d-BHC	6.649	7.267	68050	150140	BelowCal	0.043	
7)		Aldrin	7.059	7.615f	232379	486374	0.068	0.129	#
8)		Heptachlo...	7.526	8.019	879380	1855612	0.275	0.544	#
9)		trans-Chl...	7.637	8.168	2058997	1489784	0.658	0.319	#
10)		cis-Chlor...	7.743f	8.255f	2359836	2064902	0.757	0.603	
11)		Endosulfa...	7.822	8.330	3695567	2765013	1.253	0.879	#
12)		4,4'-DDE	7.743f	8.394	2359836	3175312	0.878	1.048	
13)		Dieldrin	7.989	8.543	5344669	3373726	1.630	1.008	#
14)		Endrin	8.181f	8.749	7534074	5955154	2.895	2.467	
15)		4,4'-DDD	8.217	8.801	5127684	4289630	2.473	1.969	
16)		Endosulfa...	8.304	8.887	11657174	11686505	4.679	4.761	
17)		4,4'-DDT	8.386	9.018	10477187	4968837	5.451	2.412	#
18)		Endrin Al...	8.592	9.133	8193084	10321078	3.514	3.997	
19)		Endosulfa...	8.914	9.334	4499167	4844723	1.823	1.819	
20)		Methoxychlor	8.745	9.515	3989315	10964148	4.265	11.163	#
21)		Endrin Ke...	9.100	9.759f	3008195	2424148	1.029	0.773	
23)		Hexachlor...	3.371	3.721	21012	26367	0.006	BelowCal	#
24)		Hexachlor...	5.962	6.489	12634	28381	0.004	BelowCal	#
25)		Oxychlordane	7.454	7.970	2216993	1556590	0.771	0.479	#
26)		2,4'-DDE	7.526	8.168	879380	1489784	0.476	0.647	#
27)		trans-Non...	7.693	8.239	2648947	2157842	0.843	0.568	#
28)		2,4'-DDD	7.907	8.543	3934358	3373726	2.558	1.878	#
29)		2,4'-DDT	8.094	8.749	6486698	5955154	3.430	3.102	
30)		cis-Nonac...	8.181	8.801	7534074	4289630	2.181	1.124	#
31)		Mirex	8.846	9.759f	11283115	2424148	4.939	0.866	#
32)		Chlordane...	7.637	8.168	2058997	1489784	5.939	3.366	#
33)		Chlordane...	7.693f	8.255	2648947	2064902	6.327	5.369	
34)		Chlordane...	8.245f	8.955	5055383	19192629	44.826	176.625	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.693	8.504	2648947	5833961	194.865	187.171	
37)		Toxaphene...	7.989	8.852	5344669	7569403	191.692	186.278	
38)		Toxaphene...	8.304	8.887	11657174	11686505	189.978	183.106	
39)		Toxaphene...	8.546	8.955	11326114	19192629	185.274	182.034	
40)		Toxaphene...	8.777	9.133	8915637	10321078	186.013	180.809	
41)		Toxaphene...	8.846	9.515	11283115	10964148	186.708	179.217	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

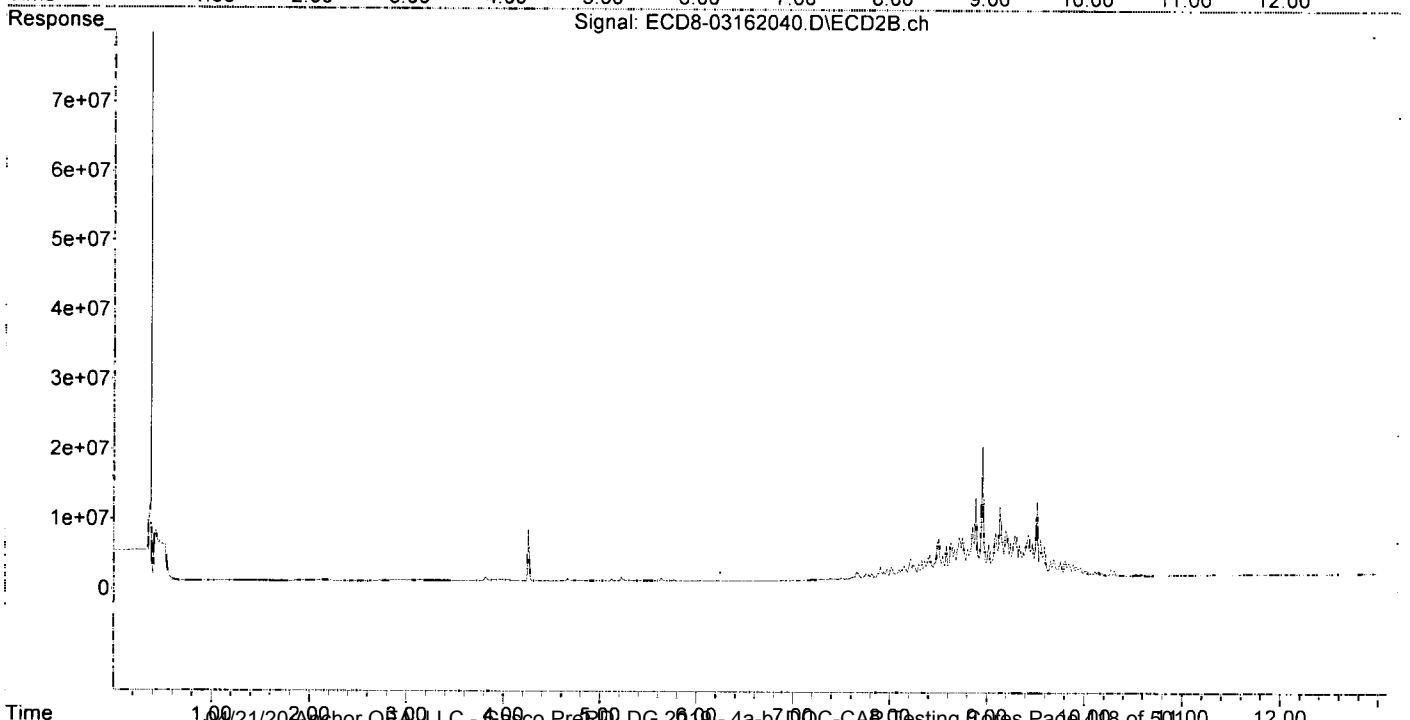
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:49
Operator : MJB
Sample : 0C16047-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:24 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:05
Operator : MJB
Sample : 0C16047-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

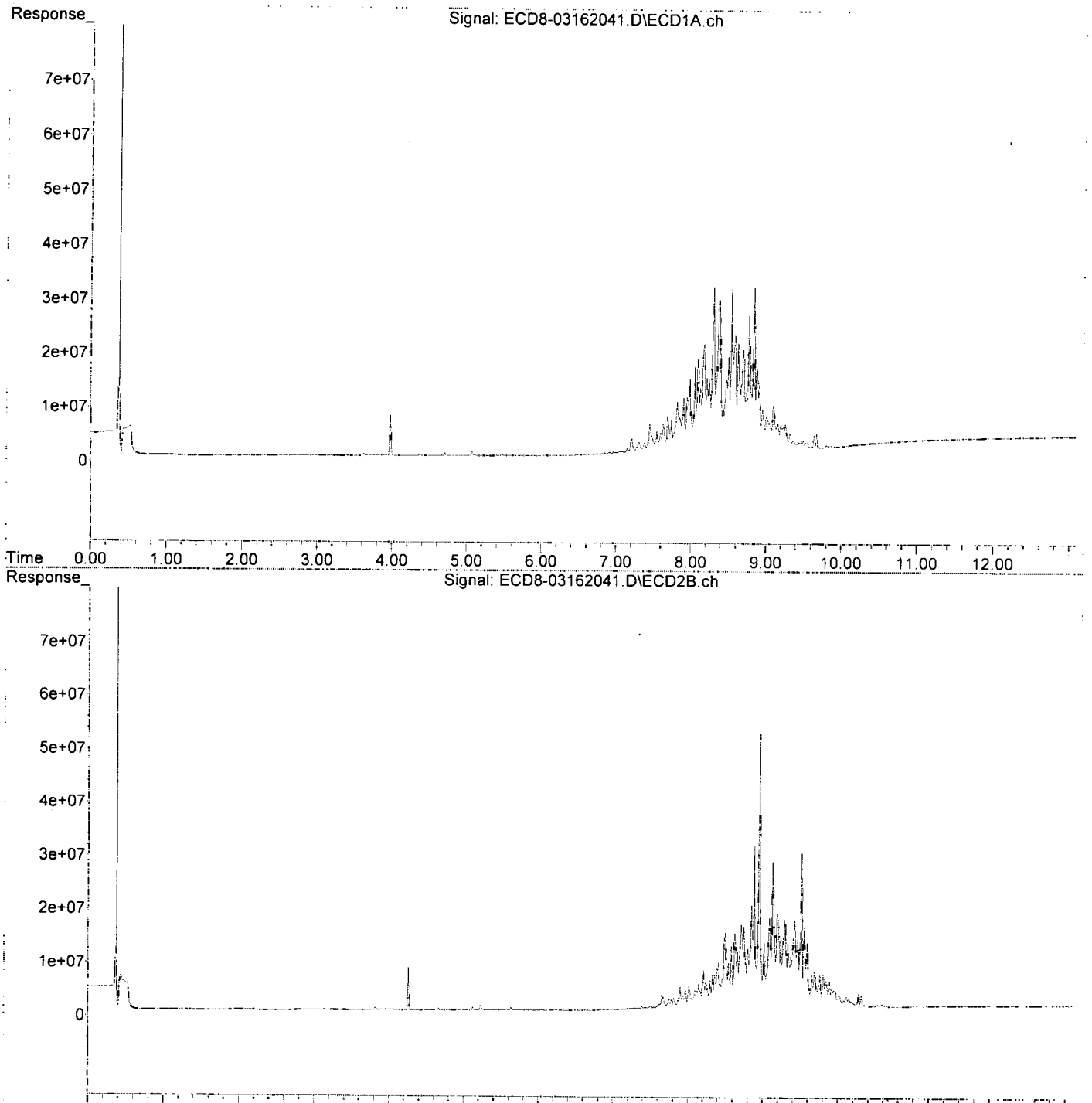
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.543f	6.040	7958	172757	0.003	0.047	#
22)	S DCBP (S)	9.804	10.581f	535535	658341	BelowCal	0.043	
	Target Compounds							
2)	a-BHC	6.117	6.628	92203	65491	0.022	0.061	#
3)	g-BHC	6.413	6.938	43549	159359	0.012	0.041	#
4)	b-BHC	6.473	7.017	174258	89401	BelowCal	0.055	
5)	Heptachlor	6.818	7.322	206505	353815	0.061	0.101	#
6)	d-BHC	6.648	7.265	129282	298652	0.023	0.089	#
7)	Aldrin	7.058	7.583	613767	545917	0.180	0.145	
8)	Heptachlo...	7.525	8.019	2334403	4372514	0.730	1.283	#
9)	trans-Chl...	7.633	8.166	5339475	3506857	1.707	0.976	#
10)	cis-Chlor...	7.742f	8.254f	5968974	4688565	1.914	1.370	#
11)	Endosulfa...	7.821	8.329	9370239	6544635	3.178	2.080	#
12)	4,4'-DDE	7.774	8.393	3526744	7835546	1.313	2.614	#
13)	Dieldrin	7.988	8.542	13639629	8656921	4.159	2.617	#
14)	Endrin	8.180f	8.749	19873966	15411574	7.638	6.354	
15)	4,4'-DDD	8.216	8.800	13591186	11283499	6.554	5.242	
16)	Endosulfa...	8.302	8.886	30405601	30430446	12.204	12.364	
17)	4,4'-DDT	8.384	9.016	27982112	12423872	14.497	6.148	#
18)	Endrin Al...	8.592	9.131	21404075	27484893	9.179	10.644	
19)	Endosulfa...	8.913	9.333	11994314	12366148	4.859	4.644	
20)	Methoxychlor	8.744	9.514	10795844	29044868	11.832	28.962	#
21)	Endrin Ke...	9.100	9.758f	8132196	6349759	2.781	2.391	
23)	Hexachlor...	3.370	3.721	30045	34736	0.009	BelowCal	#
24)	Hexachlor...	5.999f	6.489	28645	43747	0.009	BelowCal	#
25)	Oxychlordane	7.453	7.970	5456035	3546450	1.898	1.090	#
26)	2,4'-DDE	7.525	8.166	2334403	3506857	1.263	1.599	#
27)	trans-Non...	7.692	8.239	6770336	5072011	2.156	1.485	#
28)	2,4'-DDD	7.906	8.542	10056110	8656921	6.538	4.992	
29)	2,4'-DDT	8.093	8.769	17083980	9390726	9.033	4.925	#
30)	cis-Nonac...	8.180	8.800	19873966	11283499	5.752	3.038	#
31)	Mirex	8.844	9.758f	30164214	6349759	13.205	2.848	#
32)	Chlordane...	7.633	8.166	5339475	3506857	15.400	7.924	#
33)	Chlordane...	7.692f	8.254	6770336	4688565	16.172	12.192	
34)	Chlordane...	8.243f	8.954	13436275	51309093	119.138	462.319	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.692	8.503	6770336	14292622	498.046	458.549	
37)	Toxaphene...	7.988	8.851	13639629	19312346	489.199	475.264	
38)	Toxaphene...	8.302	8.886	30405601	30430446	495.523	476.790	
39)	Toxaphene...	8.544	8.954	29958440	51309093	490.065	486.646	
40)	Toxaphene...	8.775	9.131	24958308	27484893	520.723	481.492	
41)	Toxaphene...	8.844	9.514	30164214	29044868	499.145	474.759	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:05
Operator : MJB
Sample : 0C16047-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:22
Operator : MJB
Sample : 0C16047-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

WB
SK 7/20

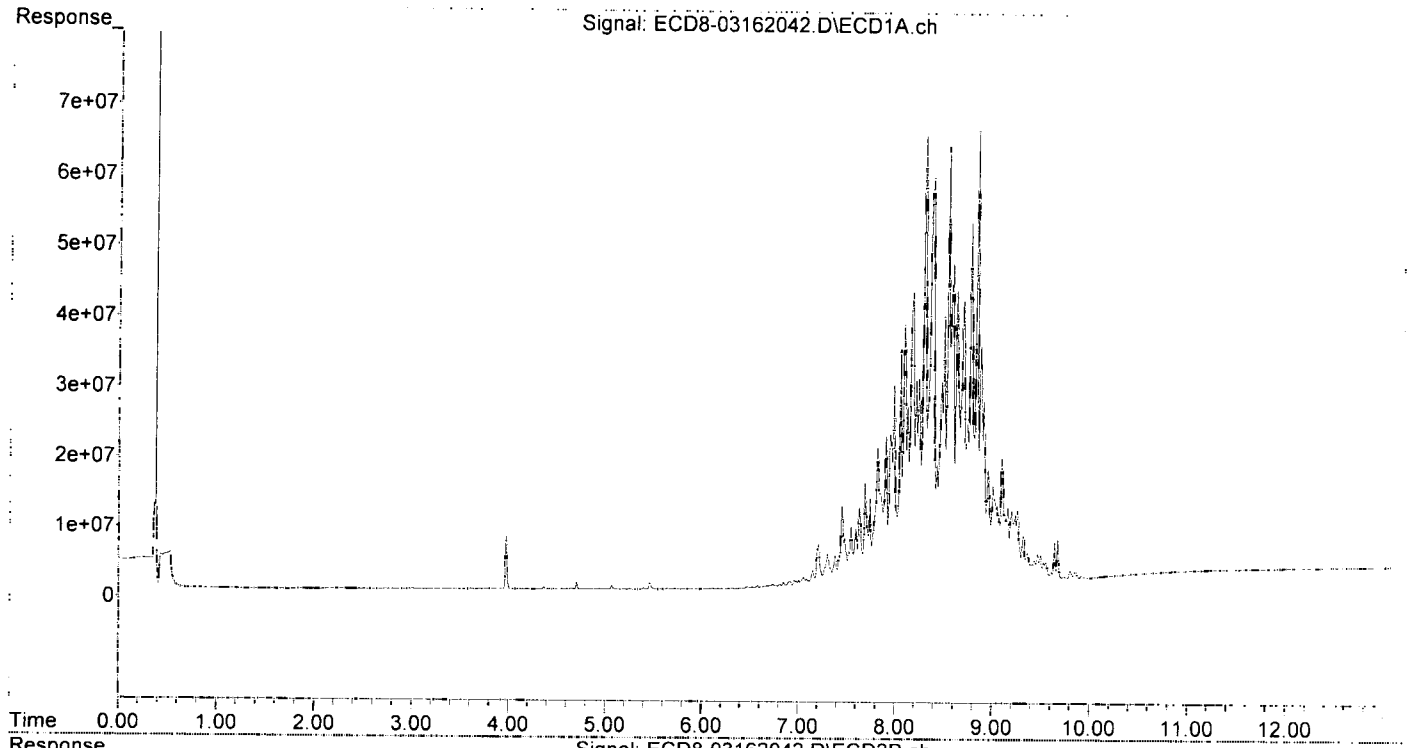
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.585	6.038	12538	100475	0.004	0.027	#
22)	S	DCBP (S)	9.803	10.581f	1138842	1360380	0.201	0.415	#
		Target Compounds							
2)		a-BHC	6.116	6.628	154209	121980	0.036	0.074	#
3)		g-BHC	6.411	6.938	82706	322014	0.023	0.083	#
4)		b-BHC	6.471	7.019	249937	186870	0.057	0.114	#
5)		Heptachlor	6.817	7.322	486027	739391	0.144	0.211	#
6)		d-BHC	6.648	7.264	302216	602045	0.092	0.183	#
7)		Aldrin	7.057	7.614f	1356841	2102486	0.398	0.557	#
8)		Heptachlo...	7.525	8.018	4897739	8964674	1.531	2.630	#
9)		trans-Chl...	7.633	8.164	11136086	7041805	3.561	2.122	#
10)		cis-Chlor...	7.741f	8.254f	12439013	9437153	3.989	2.757	#
11)		Endosulfa...	7.819	8.329	19688601	13527310	6.677	4.300	#
12)		4,4'-DDE	7.741f	8.393	12439013	16585131	4.630	5.527	
13)		Dieldrin	7.986	8.541	28457166	17137843	8.678	5.183	#
14)		Endrin	8.178f	8.749	42079818	34581638	16.172	14.046	
15)		4,4'-DDD	8.216	8.800	29022940	23153771	13.996	10.692	
16)		Endosulfa...	8.301	8.909	63774472	16811054	25.598	6.861	#
17)		4,4'-DDT	8.384	9.015	57652896	26047564	29.163	12.780	#
18)		Endrin Al...	8.591	9.131	45470607	58921901	19.500	22.819	
19)		Endosulfa...	8.913	9.332	25757104	26072091	10.434	9.792	
20)		Methoxychlor	8.744	9.514	22682131	63152213	24.723	59.793	#
21)		Endrin Ke...	9.099	9.758f	17701374	13407007	6.054	5.272	
23)		Hexachlor...	3.369	3.721	32659	44282	0.009	BelowCal	#
24)		Hexachlor...	5.961	6.486	15360	75722	0.005	BelowCal	#
25)		Oxychlordane	7.452	7.969	11404708	7123124	3.967	2.190	#
26)		2,4'-DDE	7.525	8.164	4897739	7041805	2.649	3.258	
27)		trans-Non...	7.690	8.239	14604003	10463281	4.650	3.174	#
28)		2,4'-DDD	7.905	8.541	21254928	17137843	13.820	9.913	#
29)		2,4'-DDT	8.092	8.749	36957812	34581638	19.540	17.850	
30)		cis-Nonac...	8.178	8.800	42079818	23153771	12.179	6.253	#
31)		Mirex	8.843	9.758f	64221259	13407007	28.113	6.379	#
32)		Chlordane...	7.633	8.164	11136086	7041805	32.119	15.911	#
33)		Chlordane...	7.690f	8.254f	14604003	9437153	34.884	24.540	#
34)		Chlordane...	8.243f	8.954	29270115	106.2E6	259.535	913.615	#
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)		Toxaphene...	7.690	8.502	14604003	30810806	1074.315	988.502	
37)		Toxaphene...	7.986	8.851	28457166	41269404	1020.644	1015.612	
38)		Toxaphene...	8.301	8.887	63774472	66225922	1039.338	1037.640	
39)		Toxaphene...	8.543	8.954	61947416	106.2E6	1013.346	1007.406	
40)		Toxaphene...	8.775	9.131	51105932	58921901	1066.259	1032.218	
41)		Toxaphene...	8.843	9.514	64221259	63152213	1062.707	1032.268	
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

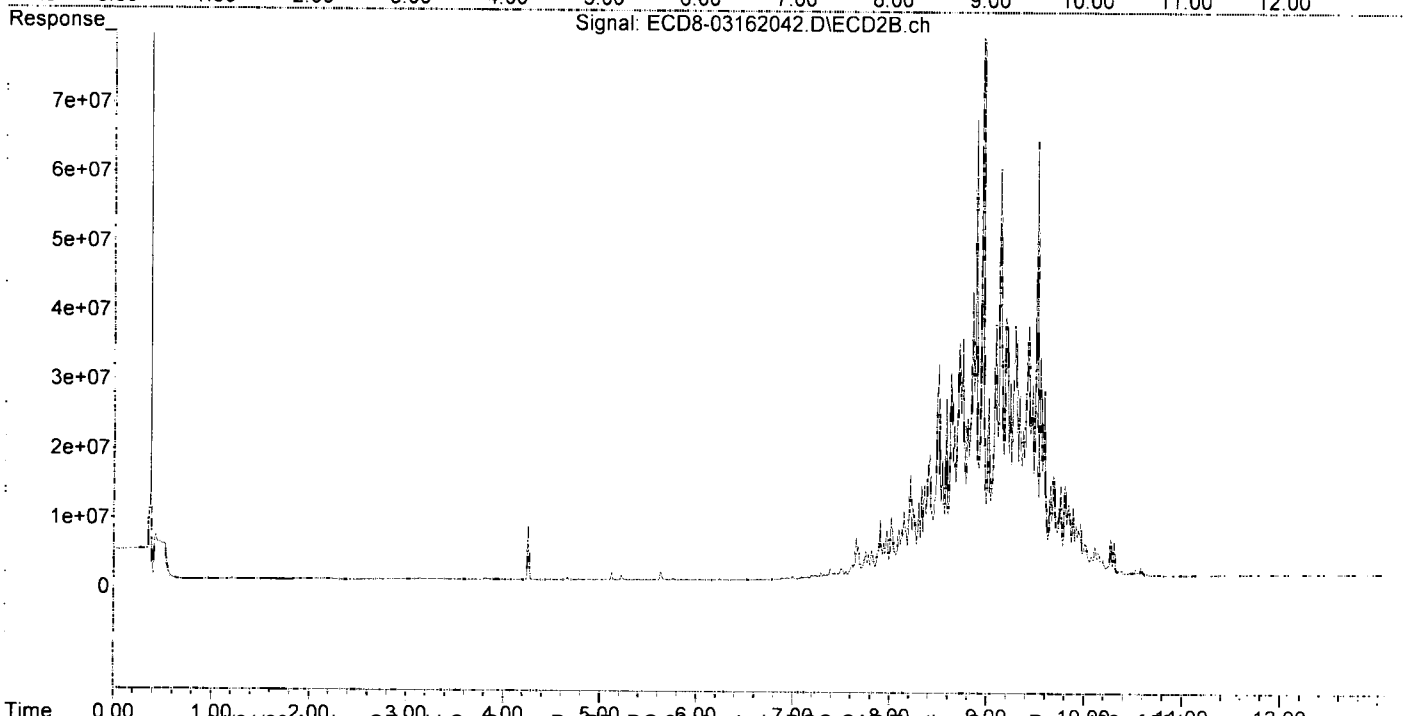
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:22
Operator : MJB
Sample : 0C16047-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:43 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:38
Operator : MJB
Sample : 0C16047-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation

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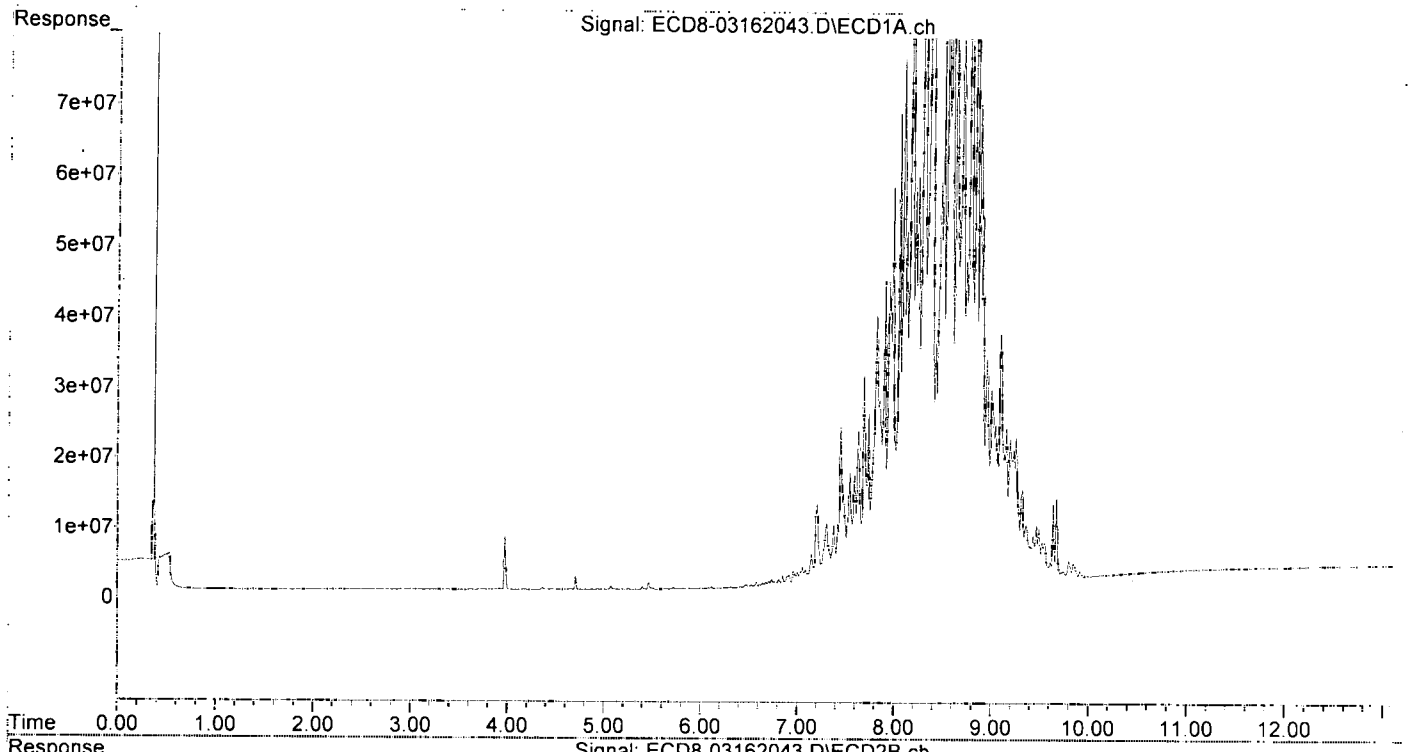
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.589	6.037	29746	100753	0.009	0.027 #
22)	S	DCBP (S)	9.802	10.580f	2438709	2489674	0.803	1.015 #
		Target Compounds						
2)		a-BHC	6.116	6.628	283450	259940	0.066	0.105 #
3)		g-BHC	6.414	6.937	171934	632289	0.047	0.163 #
4)		b-BHC	6.476	7.020	415637	394997	0.200	0.241
5)		Heptachlor	6.816	7.321	993702	1426306	0.294	0.406 #
6)		d-BHC	6.647	7.264	628643	1096870	0.223	0.336 #
7)		Aldrin	7.057	7.612f	2721169	3946676	0.799	1.046 #
8)		Heptachlo...	7.524	8.017	9798986	17491939	3.063	5.132 #
9)		trans-Chl...	7.634	8.163	21949603	14084537	7.019	4.391 #
10)		cis-Chlor...	7.740f	8.297f	24425671	21913294	7.832	6.402
11)		Endosulfa...	7.819	8.328	38403048	27372978	13.024	8.700 #
12)		4,4'-DDE	7.740f	8.392	24425671	33030637	9.092	10.916
13)		Dieldrin	7.985	8.540	56421140	33842807	17.206	10.170 #
14)		Endrin	8.176	8.748	84021636	70258940	32.291	27.755
15)		4,4'-DDD	8.214	8.798	56322236	48453046	27.160	21.899
16)		Endosulfa...	8.302	8.907	128.0E6	35458819	51.370	14.367 #
17)		4,4'-DDT	8.377f	9.015	116.6E6	54659982	56.239	25.978 #
18)		Endrin Al...	8.589	9.130	88705358	121.4E6	38.040	47.008
19)		Endosulfa...	8.912	9.331	52118385	53653740	21.112	20.150
20)		Methoxychlor	8.741	9.513	45553177	132.4E6	48.485	114.524 #
21)		Endrin Ke...	9.097	9.756f	35102660	27934289	12.006	11.093
23)		Hexachlor...	3.368	3.720	35214	46254	0.010	BelowCal #
24)		Hexachlor...	5.964	6.485	17358	138165	0.005	BelowCal #
25)		Oxychlordane	7.451	7.968	22407951	14152738	7.795	4.352 #
26)		2,4'-DDE	7.524	8.163	9798986	14084537	5.300	6.533
27)		trans-Non...	7.689	8.238	29828482	20205973	9.498	6.200 #
28)		2,4'-DDD	7.904	8.540	43028068	33842807	27.976	19.348 #
29)		2,4'-DDT	8.092	8.748	74511327	70258940	39.395	34.989
30)		cis-Nonac...	8.176	8.798	84021636	48453046	24.319	12.973 #
31)		Mirex	8.842	9.756f	128.5E6	27934289	56.237	13.525 #
32)		Chlordane...	7.634	8.163	21949603	14084537	63.307	31.824 #
33)		Chlordane...	7.689f	8.252f	29828482	19022641	71.250	49.465 #
34)		Chlordane...	8.241f	8.953	57742831	213.4E6	512.000	1695.481 #
35)		Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)		Toxaphene...	7.689	8.501	29828482	63023439	2194.274	2021.978
37)		Toxaphene...	7.985	8.850	56421140	85107462	2023.599	2094.437
38)		Toxaphene...	8.302	8.885	128.0E6	132.4E6	2085.769	2074.719
39)		Toxaphene...	8.542	8.953	125.3E6	213.4E6	2049.874	2024.361
40)		Toxaphene...	8.773	9.130	106.1E6	121.4E6	2214.404	2126.385
41)		Toxaphene...	8.842	9.513	128.5E6	132.4E6	2125.811	2164.223
42)		Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

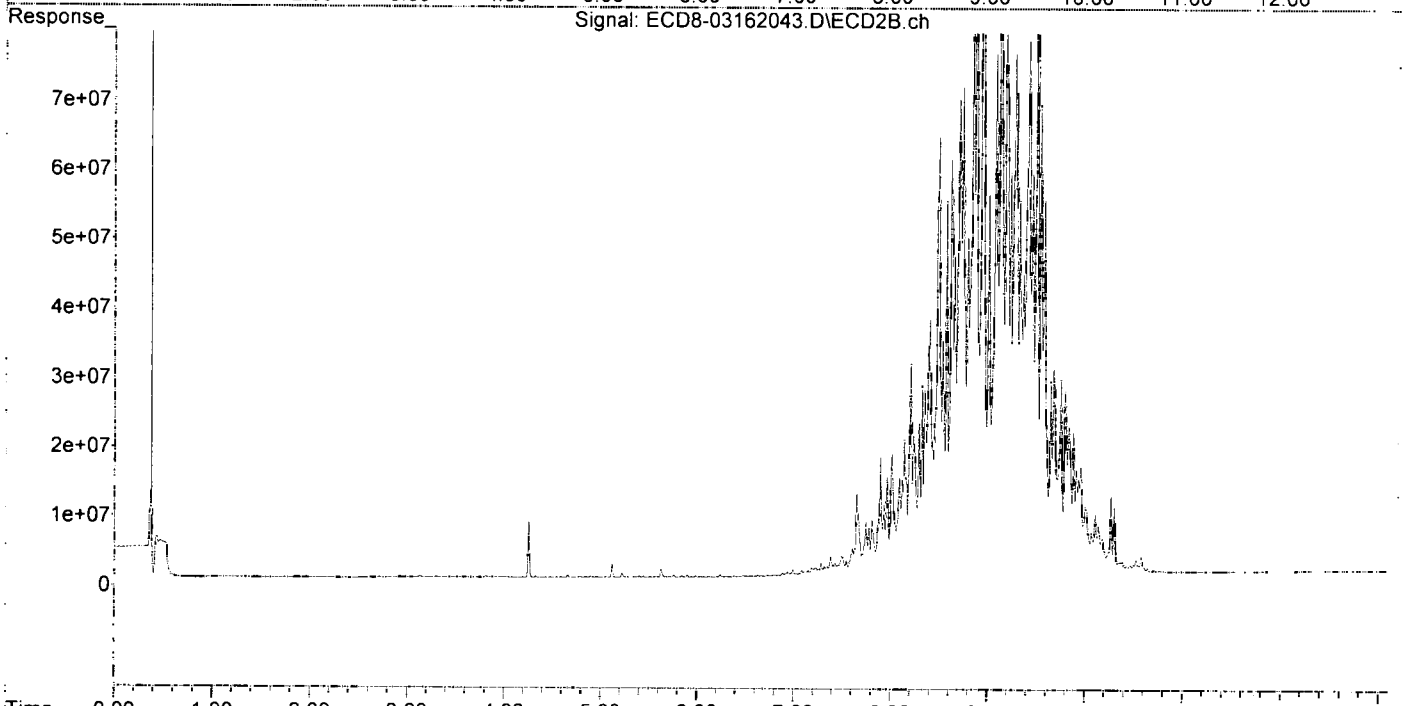
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\REQUANT\
Data File : ECD8-03162043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:38
Operator : MJB
Sample : 0C16047-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 12:14:52 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:32:32 2020
Response via : Initial Calibration
Integrator: ChemStation





Sequence Name: C:\msdchem\1\sequence\0C16047.s
Comment: Pesticides
Operator: MJB
Data Path: C:\MSDCHEM\1\DATA\2020-03\0C16047\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1) Sample	51	Conditioning Run
Datafile		ECD8-03162001
Method		ECD8_AQUPEST_190925
2) Sample	52	Conditioning Run
Datafile		ECD8-03162002
Method		ECD8_AQUPEST_190925
3) Sample	1	Hexane
Datafile		ECD8-03162003
Method		ECD8_AQUPEST_190925
4) Sample	2	0C16047-BKD1
Datafile		ECD8-03162004
Method		ECD8_AQUPEST_190925
5) Sample	3	0C16047-ICB1
Datafile		ECD8-03162005
Method		ECD8_AQUPEST_190925
6) Sample	4	0C16047-CAL1
Datafile		ECD8-03162006
Method		ECD8_AQUPEST_190925
7) Sample	5	0C16047-CAL2
Datafile		ECD8-03162007
Method		ECD8_AQUPEST_190925
8) Sample	6	0C16047-CAL3
Datafile		ECD8-03162008
Method		ECD8_AQUPEST_190925
9) Sample	7	0C16047-CAL4
Datafile		ECD8-03162009
Method		ECD8_AQUPEST_190925
10) Sample	8	0C16047-CAL5
Datafile		ECD8-03162010
Method		ECD8_AQUPEST_190925
11) Sample	9	0C16047-CAL6
Datafile		ECD8-03162011
Method		ECD8_AQUPEST_190925
12) Sample	10	0C16047-CAL7
Datafile		ECD8-03162012
Method		ECD8_AQUPEST_190925
13) Sample	11	0C16047-CAL8
Datafile		ECD8-03162013
Method		ECD8_AQUPEST_190925
14) Sample	12	0C16047-CAL9
Datafile		ECD8-03162014
Method		ECD8_AQUPEST_190925
15) Sample	1	0C16047-IBL1
Datafile		ECD8-03162015
Method		ECD8_AQUPEST_190925
16) Sample	13	0C16047-ICV1
Datafile		ECD8-03162016
Method		ECD8_AQUPEST_190925
17) Sample	14	0C16047-CALA
Datafile		ECD8-03162017
Method		ECD8_AQUPEST_190925
18) Sample	15	0C16047-CALB
Datafile		ECD8-03162018
Method		ECD8_AQUPEST_190925
19) Sample	16	0C16047-CALC
Datafile		ECD8-03162019
Method		ECD8_AQUPEST_190925
20) Sample	17	0C16047-CALD

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Datafile		ECD8-03162020
Method		ECD8_AQUPEST_190925
21) Sample	18	0C16047-CALE
Datafile		ECD8-03162021
Method		ECD8_AQUPEST_190925
22) Sample	19	0C16047-CALF
Datafile		ECD8-03162022
Method		ECD8_AQUPEST_190925
23) Sample	20	0C16047-CALG
Datafile		ECD8-03162023
Method		ECD8_AQUPEST_190925
24) Sample	21	0C16047-CALH
Datafile		ECD8-03162024
Method		ECD8_AQUPEST_190925
25) Sample	22	0C16047-CALI
Datafile		ECD8-03162025
Method		ECD8_AQUPEST_190925
26) Sample	1	0C16047-IBL2
Datafile		ECD8-03162026
Method		ECD8_AQUPEST_190925
27) Sample	23	0C16047-ICV2
Datafile		ECD8-03162027
Method		ECD8_AQUPEST_190925
28) Sample	24	0C16047-CALJ
Datafile		ECD8-03162028
Method		ECD8_AQUPEST_190925
29) Sample	25	0C16047-CALK
Datafile		ECD8-03162029
Method		ECD8_AQUPEST_190925
30) Sample	26	0C16047-CALL
Datafile		ECD8-03162030
Method		ECD8_AQUPEST_190925
31) Sample	27	0C16047-CALM
Datafile		ECD8-03162031
Method		ECD8_AQUPEST_190925
32) Sample	28	0C16047-CALN
Datafile		ECD8-03162032
Method		ECD8_AQUPEST_190925
33) Sample	29	0C16047-CALO
Datafile		ECD8-03162033
Method		ECD8_AQUPEST_190925
34) Sample	30	0C16047-CALP
Datafile		ECD8-03162034
Method		ECD8_AQUPEST_190925
35) Sample	1	0C16047-IBL3
Datafile		ECD8-03162035
Method		ECD8_AQUPEST_190925
36) Sample	31	0C16047-ICV3
Datafile		ECD8-03162036
Method		ECD8_AQUPEST_190925
37) Sample	32	0C16047-CALQ
Datafile		ECD8-03162037
Method		ECD8_AQUPEST_190925
38) Sample	33	0C16047-CALR
Datafile		ECD8-03162038
Method		ECD8_AQUPEST_190925
39) Sample	34	0C16047-CALS
Datafile		ECD8-03162039
Method		ECD8_AQUPEST_190925
40) Sample	35	0C16047-CALT
Datafile		ECD8-03162040
Method		ECD8_AQUPEST_190925
41) Sample	36	0C16047-CALU
Datafile		ECD8-03162041
Method		ECD8_AQUPEST_190925
42) Sample	37	0C16047-CALV
Datafile		ECD8-03162042
Method		ECD8_AQUPEST_190925
43) Sample	38	0C16047-CALW
Datafile		ECD8-03162043
Method		ECD8_AQUPEST_190925

Sequence Name: C:\msdchem\1\sequence\0C16047.s

	Line Type	Vial	DataFile	Method	Sample Name
44)	Sample	1	0C16047-IBL4		
	Datafile		ECD8-03162044		
	Method			ECD8_AQUPEST_190925	
45)	Sample	39	0C16047-ICV4		
	Datafile		ECD8-03162045		
	Method			ECD8_AQUPEST_190925	

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0C16047 BKD1
Data File: ECD8-03162004.D

First Column Area Counts		Percent Breakdown	
DDE	15926993		
DDD	55893278		
DDT	2299207665	**3.03**	**PASS**
Endrin	1387405214	**7.39**	**PASS**
Endrin Aldehyde	46695952		
Endrin Ketone	63966143		

Second Column Area Counts		Percent Breakdown	
DDE	15276320		
DDD	52496505		
DDT	2253646474	**2.92**	**PASS**
Endrin	1275121108	**7.41**	**PASS**
Endrin Aldehyde	42275602		
Endrin Ketone	59761136		

Breakdown must be less than 15% to accept sample data.

MJP 3/17/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 12:45
Operator : MJB
Sample : 0C16047-BKD1
Misc : A20C091
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 16 13:03:28 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200316.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	7.781	15926993	NoCal	ng/mL
2)	Endrin	8.160	1387405214	NoCal	ng/mL
3)	4,4'-DDD	8.204	55893278	NoCal	ng/mL
4)	4,4'-DDT	8.403	2299207665	NoCal	ng/mL
5)	Endrin Aldehyde	8.611	46695952	NoCal	ng/mL
6)	Endrin Ketone	9.113	63966143	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.385	15276320	NoCal	ng/mL
9)	Endrin [2C]	8.757	1275121108	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.802	52496505	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	9.144	42275602	NoCal	ng/mL
12)	4,4'-DDT [2C]	9.029	2253646474	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.738	59761136	NoCal	ng/mL

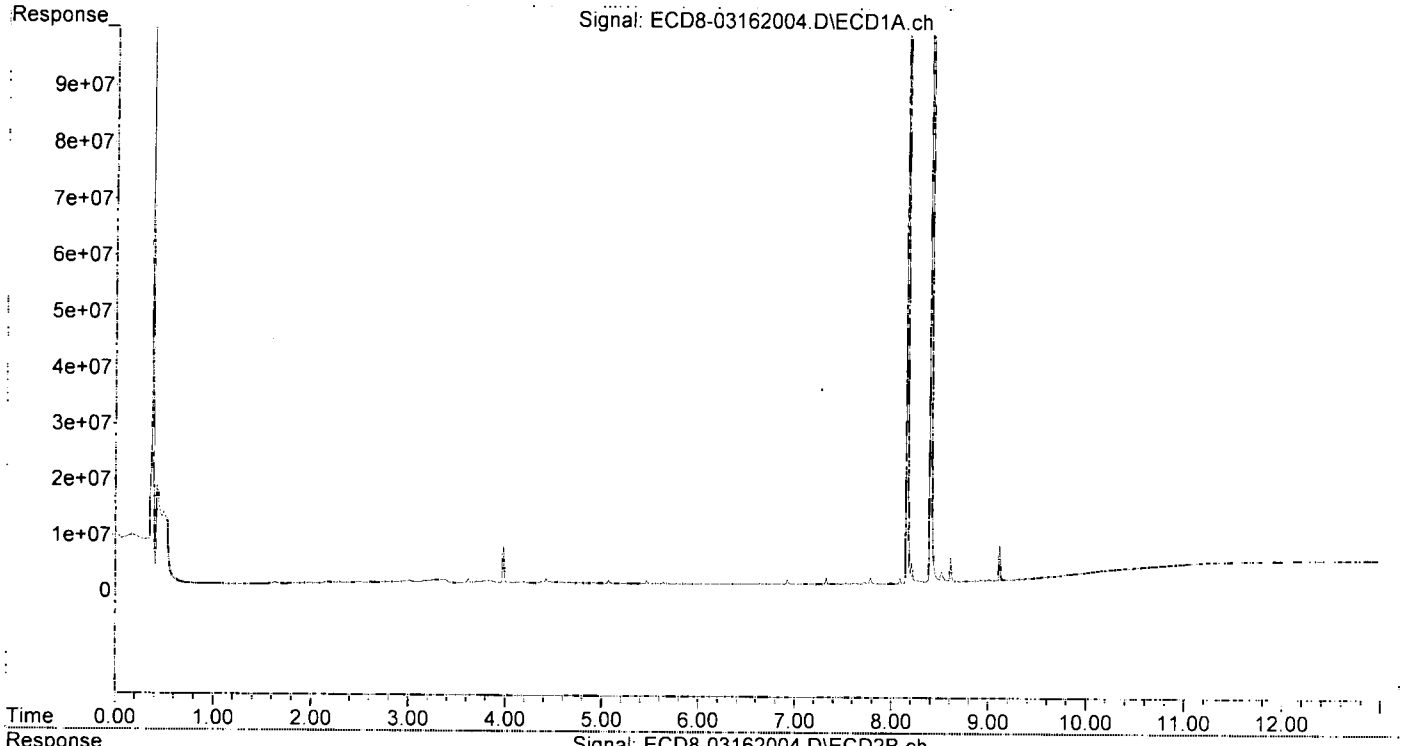
(f)=RT Delta > 1/2 Window (m)=manual int.

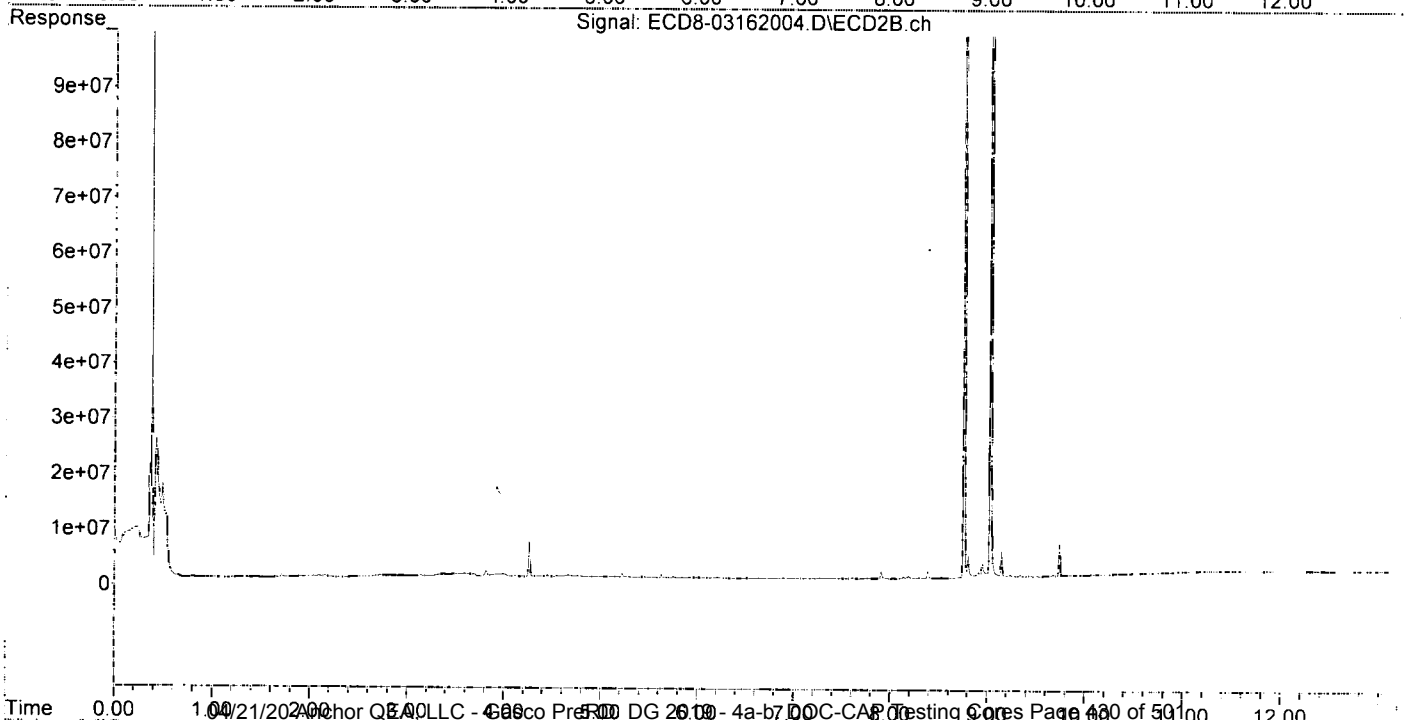
MJB 3/17/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 12:45
Operator : MJB
Sample : 0C16047-BKD1
Misc : A20C091
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 16 13:03:28 2020
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_200316.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:03:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

MJB 2/10/20 3/17/20

Not used in cal

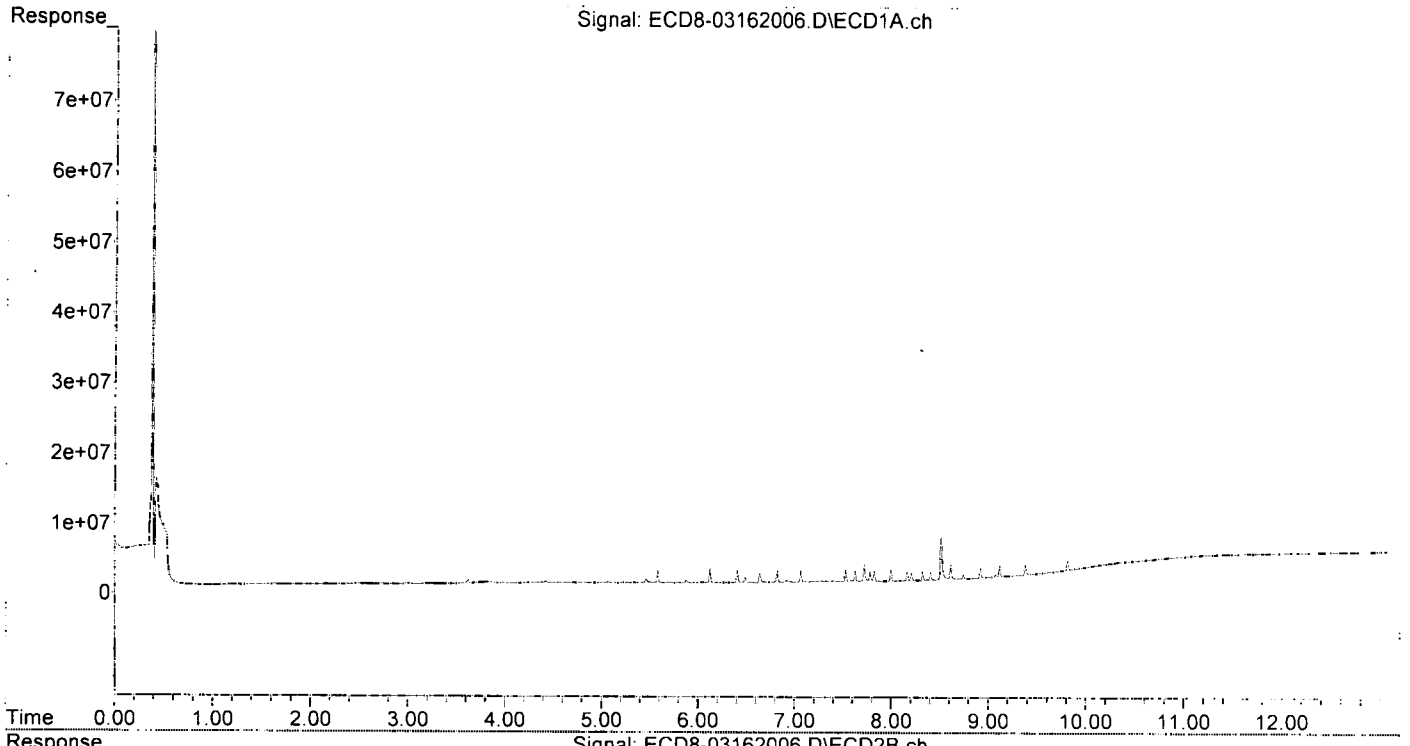
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.581	6.023	1806044	2096443	0.517	0.608
22) S	DCBP (S)	9.813	10.610	1745712	1485173	0.349	0.228 #
	Target Compounds						
2)	a-BHC	6.123	6.629	2110588	2072405	0.447	0.561 #
3)	g-BHC	6.407	6.948	1863551	1884030	0.448	0.525
4)	b-BHC	6.487	7.013	766542	899103	0.440	0.518
5)	Heptachlor	6.821	7.322	1792900	1853006	0.436	0.440
6)	d-BHC	6.639	7.269	1332960	1673193	0.492	0.575
7)	Aldrin	7.065	7.590	1718197	1738768	0.425	0.477
8)	Heptachlo...	7.529	8.029	1722873	1738085	0.467	0.484
9)	trans-Chl...	7.626	8.172	1652232	2144930	0.439	0.577 #
10)	cis-Chlor...	7.721	8.277	~~2554143~~	1773525	0.696	0.503 #
11)	Endosulfa...	7.823	8.329	1566602	1605528	0.452	0.486
12)	4,4'-DDE	7.781	8.385	1482462	1581284	0.446	0.596 #
13)	Dieldrin	7.995	8.530	1684478	1742981	0.442	0.530
14)	Endrin	8.163	8.759	1328998	1230376	0.407	0.421
15)	4,4'-DDD	8.207	8.802	1170291	1197635	0.460	0.555
16)	Endosulfa...	8.322	8.908	1397077	1433392	0.467	0.513
17)	4,4'-DDT	8.406	9.031	1183015	1236261	0.440	0.479
18)	Endrin Al...	8.614	9.145	~~2273688~~	~~2274907~~	0.864	0.860
19)	Endosulfa...	8.919	9.337	1523851	1484562	0.532	0.505
20)	Methoxychlor	8.742	9.514	643161	683285	0.533	0.271 #
21)	Endrin Ke...	9.116	9.739	1733080	1788617	0.501	0.411
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

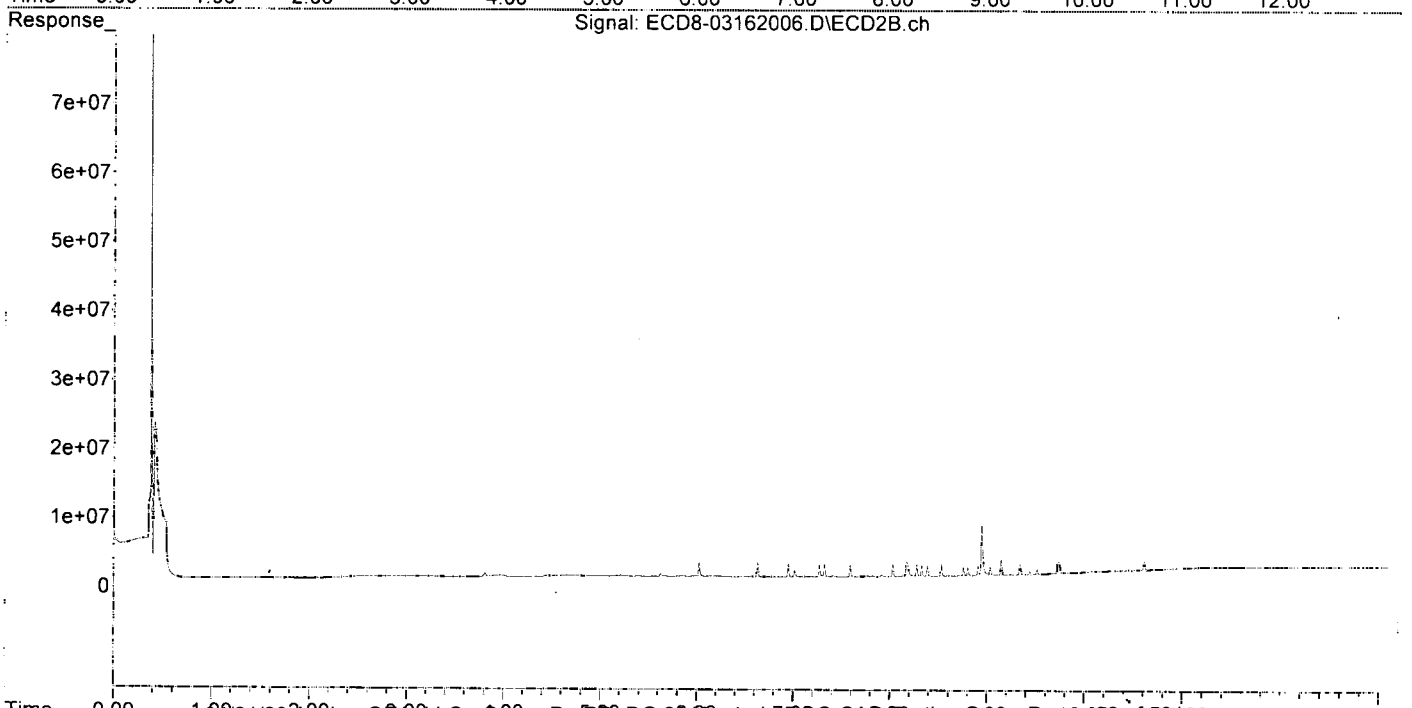
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:26
Operator : MJB
Sample : 0C16047-CAL1
Misc : A20C230, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:03:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:43
Operator : MJB
Sample : 0C16047-CAL2
Misc : A20C178, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:04:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.580	6.025	3372941	3681316	0.965	1.067
22)	S DCBP (S)	9.810	10.607	2969499	2614363	0.828	0.787
	Target Compounds						
2)	a-BHC	6.122	6.631	4259585	4183116	0.902	1.054
3)	g-BHC	6.407	6.949	3688342	3699641	0.886	0.989
4)	b-BHC	6.487	7.016	1356305	1737642	0.779	1.001 #
5)	Heptachlor	6.820	7.323	3475769	3437259	0.846	0.816
6)	d-BHC	6.640	7.271	2579384	3142916	0.853	0.993
7)	Aldrin	7.064	7.590	3341644	3500323	0.827	0.946
8)	Heptachlo...	7.527	8.030	3325232	3414675	0.900	0.951
9)	trans-Chl...	7.624	8.170	3151992	3277548	0.838	0.881
10)	cis-Chlor...	7.721	8.277	3375508	3446677	0.919	0.978
11)	Endosulfa...	7.821	8.328	2991466	3024358	0.862	0.915
12)	4,4'-DDE	7.781	8.386	2573098	3019785	0.775	1.057 #
13)	Dieldrin	7.993	8.530	3268121	3341962	0.857	0.986
14)	Endrin	8.161	8.758	2645126	2468758	0.810	0.851
15)	4,4'-DDD	8.207	8.803	2111209	2263226	0.830	1.010
16)	Endosulfa...	8.320	8.907	2579178	2619377	0.862	0.962
17)	4,4'-DDT	8.404	9.030	2013965	2173999	0.749	0.860
18)	Endrin Al...	8.612	9.145	4020833	4133575	1.527	1.564
19)	Endosulfa...	8.916	9.336	2646696	2793416	0.925	1.027
20)	Methoxychlor	8.742	9.512	1122231	1213941	0.930	0.772
21)	Endrin Ke...	9.113	9.739	3199016	2925715	0.926	0.814
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

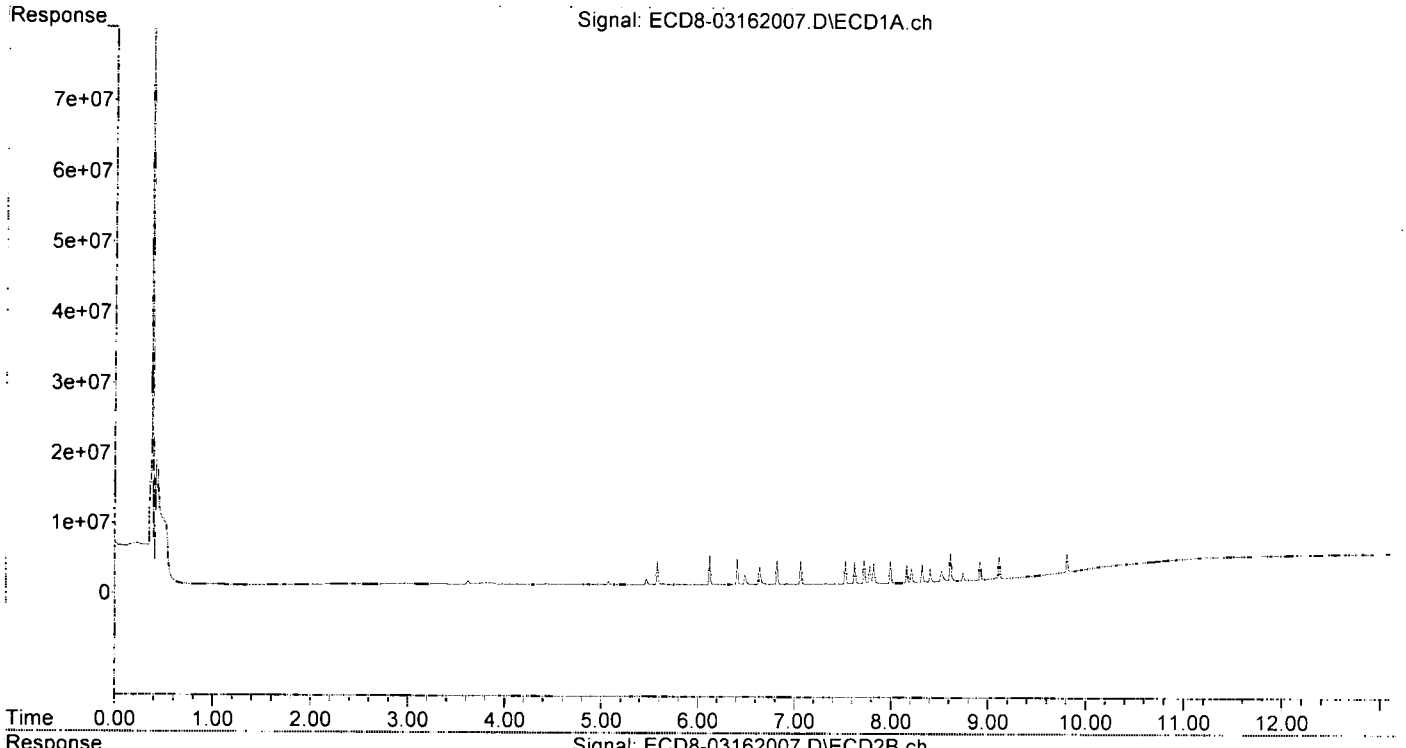
Not used in cal

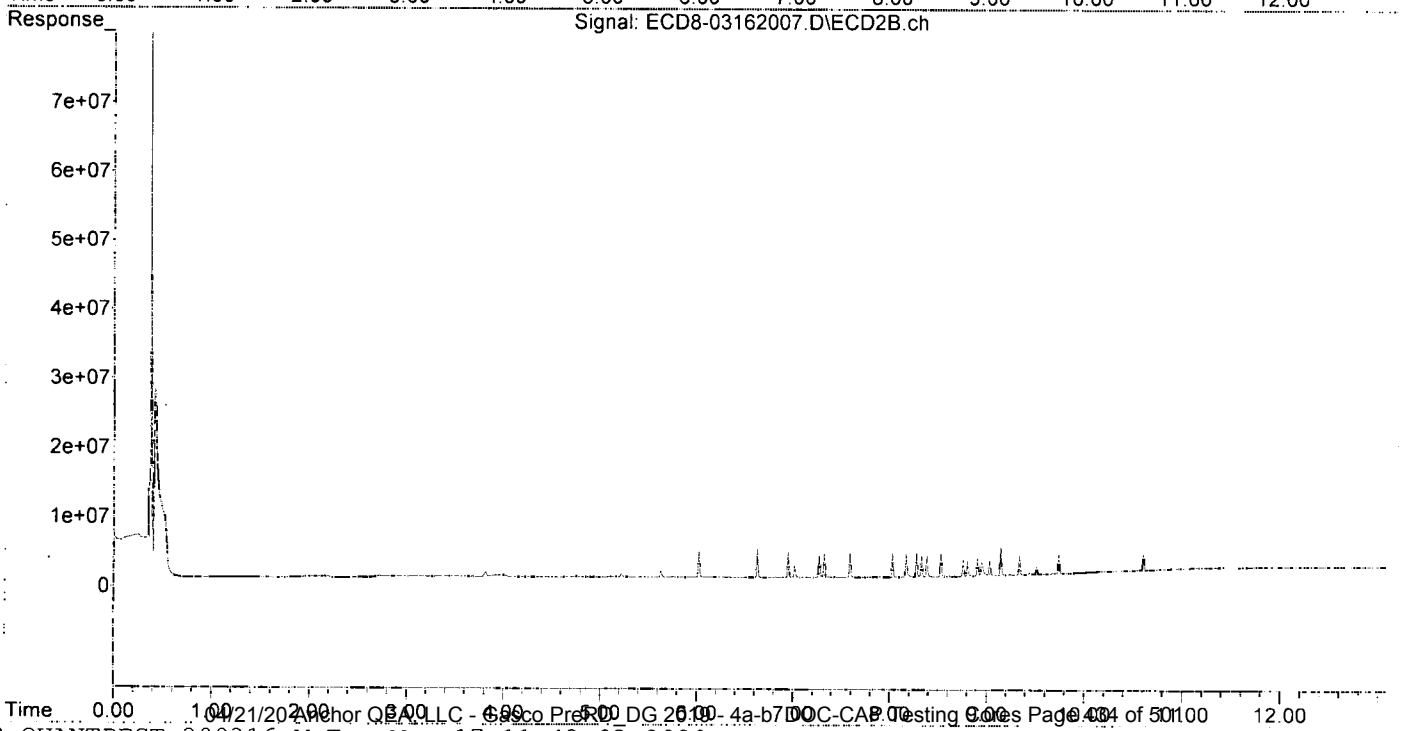
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:43
Operator : MJB
Sample : 0C16047-CAL2
Misc : A20C178, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:04:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:59
Operator : MJB
Sample : 0C16047-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:05:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

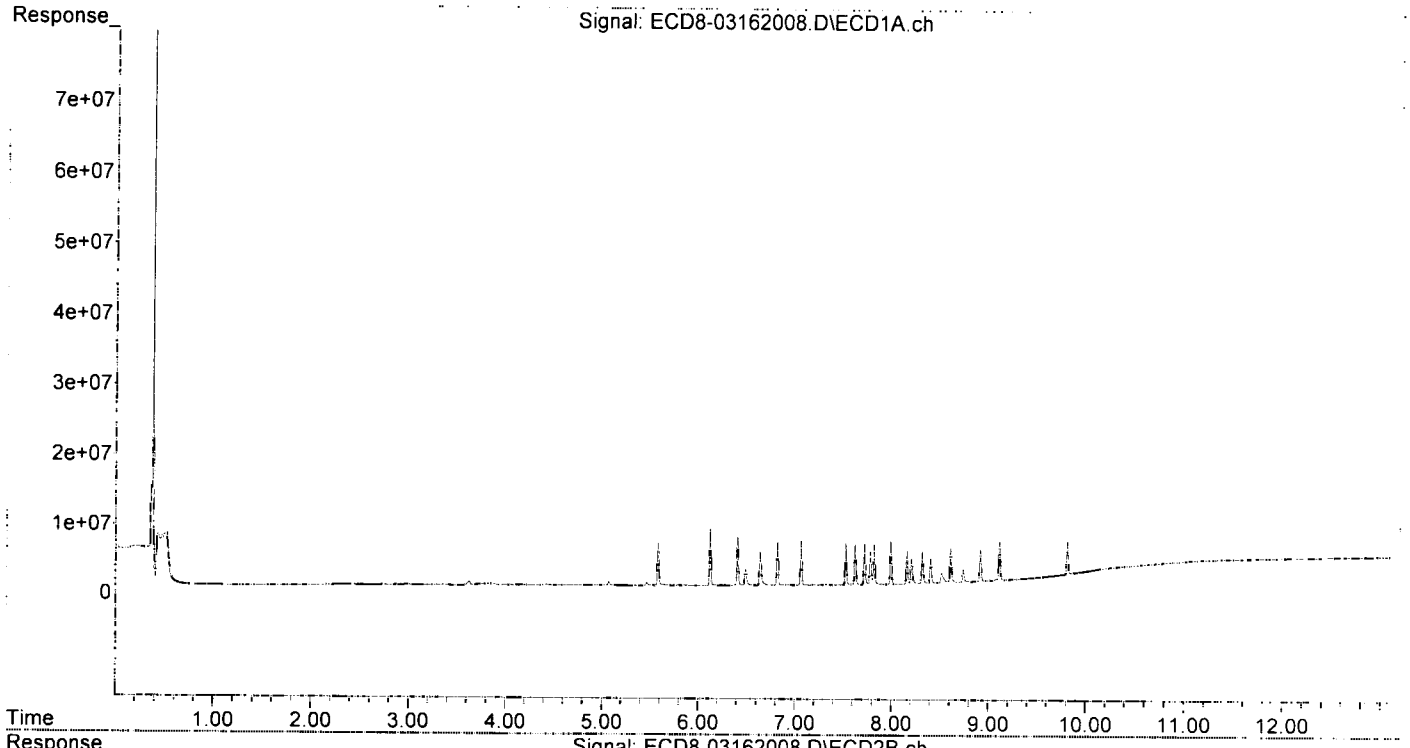
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.581	6.024	6163432	6857973	1.763	1.988
22) S	DCBP (S)	9.810	10.607	5171092	4314101	1.689	1.627
	Target Compounds						
2)	a-BHC	6.122	6.630	8265132	8264595	1.749	2.005
3)	g-BHC	6.406	6.949	6992916	6971032	1.680	1.823
4)	b-BHC	6.487	7.016	2442163	3026076	1.402	1.743
5)	Heptachlor	6.820	7.323	6470515	6531868	1.574	1.551
6)	d-BHC	6.640	7.270	4886259	6104723	1.519	1.835
7)	Aldrin	7.064	7.590	6502773	6791506	1.609	1.823
8)	Heptachlo...	7.527	8.029	6026539	6171817	1.632	1.719
9)	trans-Chl...	7.624	8.170	5865063	6183908	1.560	1.663
10)	cis-Chlor...	7.721	8.278	6066081	6263855	1.652	1.778
11)	Endosulfa...	7.821	8.329	5809390	5675461	1.675	1.717
12)	4,4'-DDE	7.781	8.385	4802369	5604294	1.446	1.883 #
13)	Dieldrin	7.993	8.530	6206885	6206567	1.628	1.801
14)	Endrin	8.161	8.758	4923547	4613463	1.509	1.595
15)	4,4'-DDD	8.207	8.804	3721046	4073798	1.462	1.780
16)	Endosulfa...	8.320	8.907	4658564	4697413	1.557	1.747
17)	4,4'-DDT	8.405	9.030	3669704	3913998	1.365	1.566
18)	Endrin Al...	8.611	9.144	4981879	5369712	1.892	2.031
19)	Endosulfa...	8.916	9.336	4585226	4852129	1.602	1.847
20)	Methoxychlor	8.742	9.514	1937413	2116047	1.606	1.620
21)	Endrin Ke...	9.113	9.739	5682686	5272032	1.644	1.643
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

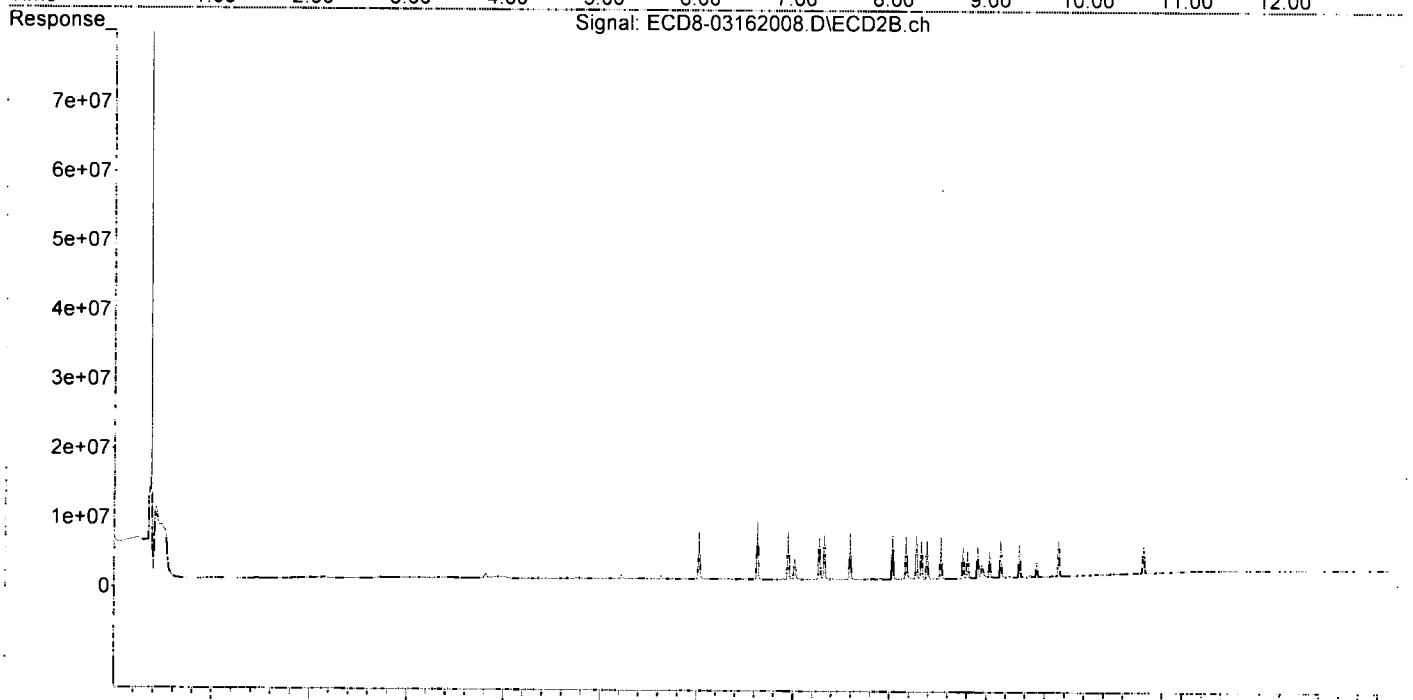
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 13:59
Operator : MJB
Sample : 0C16047-CAL3
Misc : A20C179, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:05:44 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:16
Operator : MJB
Sample : 0C16047-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:06:25 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

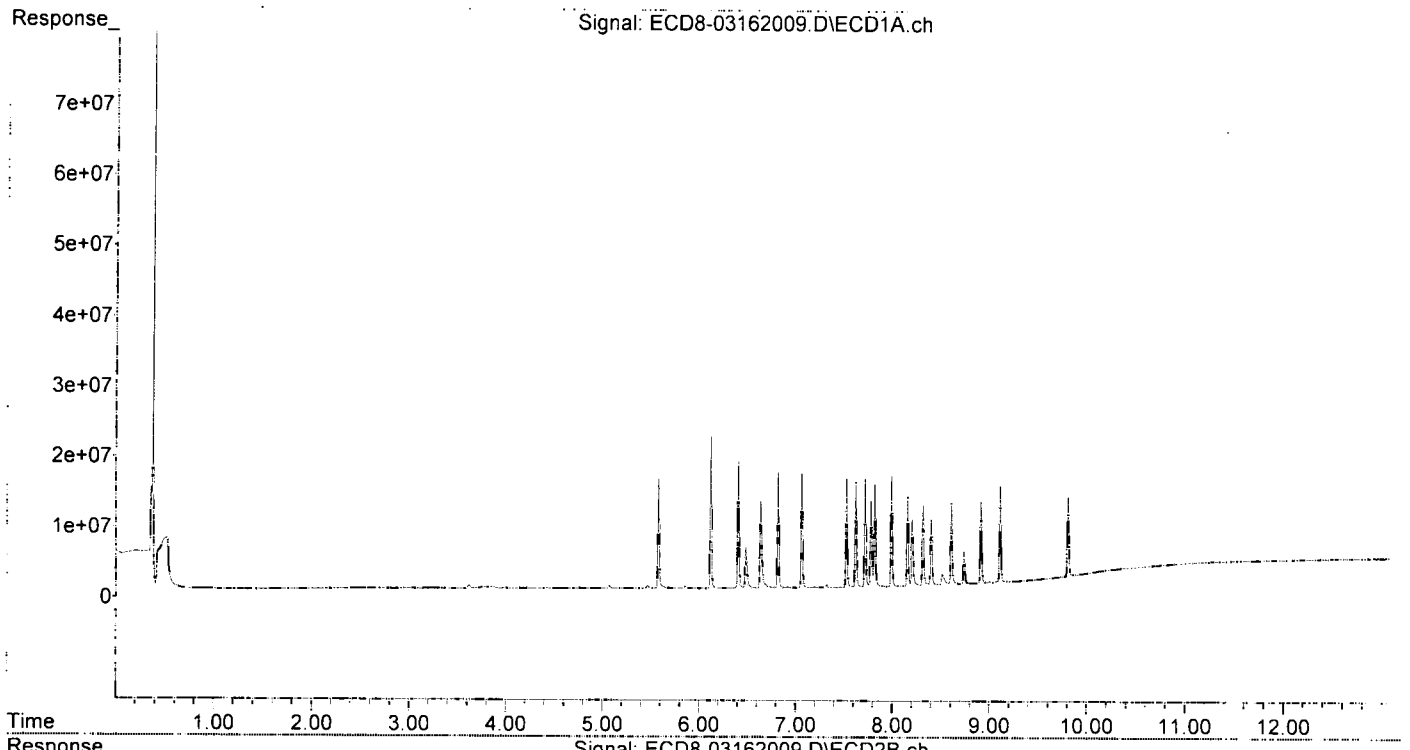
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.025	15607871	17434731	4.464	5.054	
22)	S	DCBP (S)	9.809	10.607	11643713	9872783	4.217	4.364	
		Target Compounds							
2)		a-BHC	6.122	6.631	21509372	21097667	4.553	4.973	
3)		g-BHC	6.407	6.949	18013883	18152851	4.327	4.660	
4)		b-BHC	6.486	7.014	5808311	7620901	3.335	4.390	#
5)		Heptachlor	6.820	7.323	16368933	16389506	3.983	3.892	
6)		d-BHC	6.639	7.270	12411856	15998290	3.684	4.623	#
7)		Aldrin	7.064	7.590	16267291	17266849	4.026	4.596	
8)		Heptachlo...	7.527	8.028	15454877	15444081	4.185	4.302	
9)		trans-Chl...	7.624	8.169	14876518	16064613	3.956	4.320	
10)		cis-Chlor...	7.720	8.277	15422582	15241153	4.200	4.327	
11)		Endosulfa...	7.821	8.328	14597562	14185309	4.208	4.292	
12)		4,4'-DDE	7.781	8.385	12324139	14375048	3.711	4.666	#
13)		Dieldrin	7.993	8.529	15886386	16115825	4.166	4.606	
14)		Endrin	8.160	8.758	12672618	12038680	3.883	4.157	
15)		4,4'-DDD	8.207	8.802	9569128	10481298	3.760	4.481	
16)		Endosulfa...	8.319	8.905	11438339	11766480	3.824	4.400	
17)		4,4'-DDT	8.403	9.029	9750786	9982728	3.627	4.009	
18)		Endrin Al...	8.610	9.144	11576375	12142825	4.397	4.593	
19)		Endosulfa...	8.915	9.335	11670658	11742352	4.078	4.574	
20)		Methoxychlor	8.741	9.513	4722849	5018441	3.914	4.323	
21)		Endrin Ke...	9.112	9.738	13664418	12253769	3.953	4.096	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	d N.D.	d
24)		Hexachlor...	0.000	0.000	0	0	N.D.	d N.D.	d
25)		Oxychlordane	0.000	0.000	0	0	N.D.	d N.D.	d
26)		2,4'-DDE	0.000	0.000	0	0	N.D.	d N.D.	d
27)		trans-Non...	0.000	0.000	0	0	N.D.	d N.D.	d
28)		2,4'-DDD	0.000	0.000	0	0	N.D.	d N.D.	d
29)		2,4'-DDT	0.000	0.000	0	0	N.D.	d N.D.	d
30)		cis-Nonac...	0.000	0.000	0	0	N.D.	d N.D.	d
31)		Mirex	0.000	0.000	0	0	N.D.	d N.D.	d
32)		Chlordane...	0.000	0.000	0	0	N.D.	d N.D.	d
33)		Chlordane...	0.000	0.000	0	0	N.D.	d N.D.	d
34)		Chlordane...	0.000	0.000	0	0	N.D.	d N.D.	d
35)		Chlordane...	0.000	0.000	0	0	N.D.	d N.D.	d
36)		Toxaphene...	0.000	0.000	0	0	N.D.	d N.D.	d
37)		Toxaphene...	0.000	0.000	0	0	N.D.	d N.D.	d
38)		Toxaphene...	0.000	0.000	0	0	N.D.	d N.D.	d
39)		Toxaphene...	0.000	0.000	0	0	N.D.	d N.D.	d
40)		Toxaphene...	0.000	0.000	0	0	N.D.	d N.D.	d
41)		Toxaphene...	0.000	0.000	0	0	N.D.	d N.D.	d
42)		Toxaphene...	0.000	0.000	0	0	N.D.	d N.D.	d

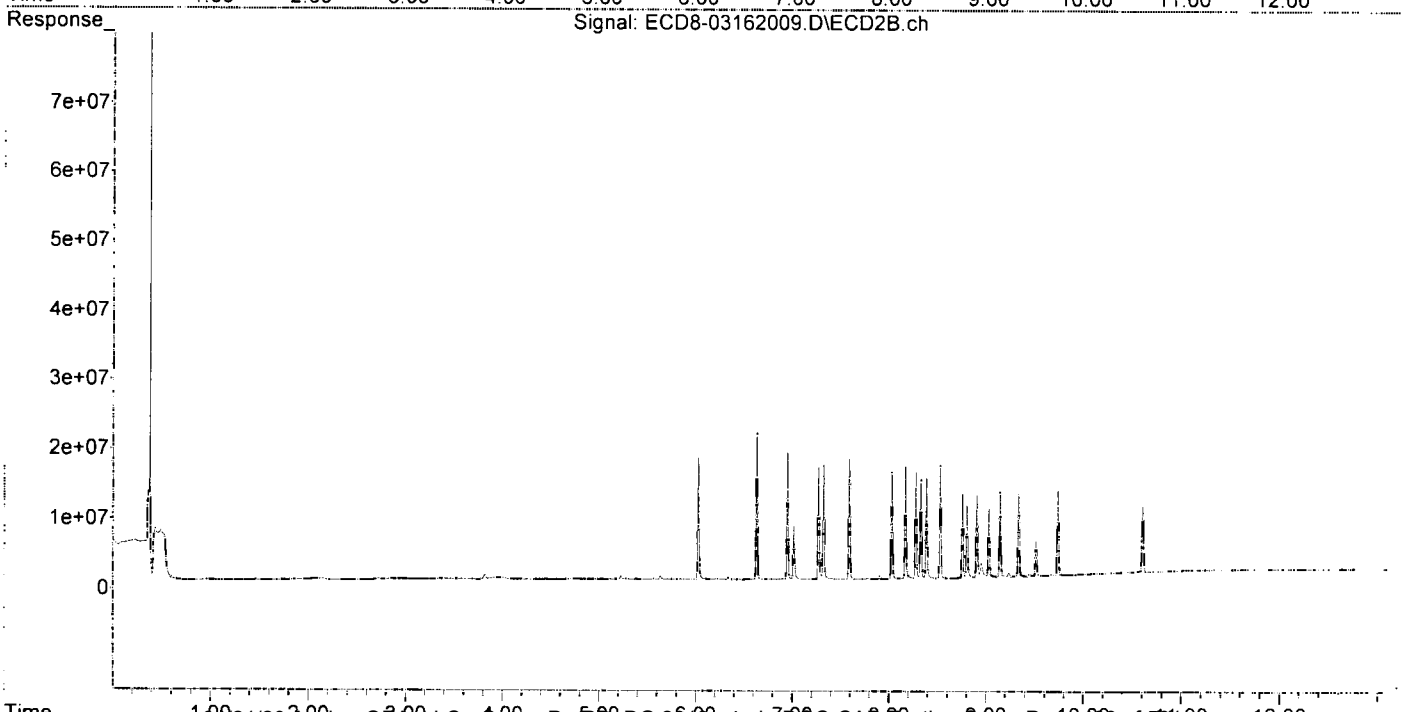
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:16
Operator : MJB
Sample : 0C16047-CAL4
Misc : A20C180, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:06:25 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:32
Operator : MJB
Sample : 0C16047-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:07:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

MJB 3/17/20

3/17/20

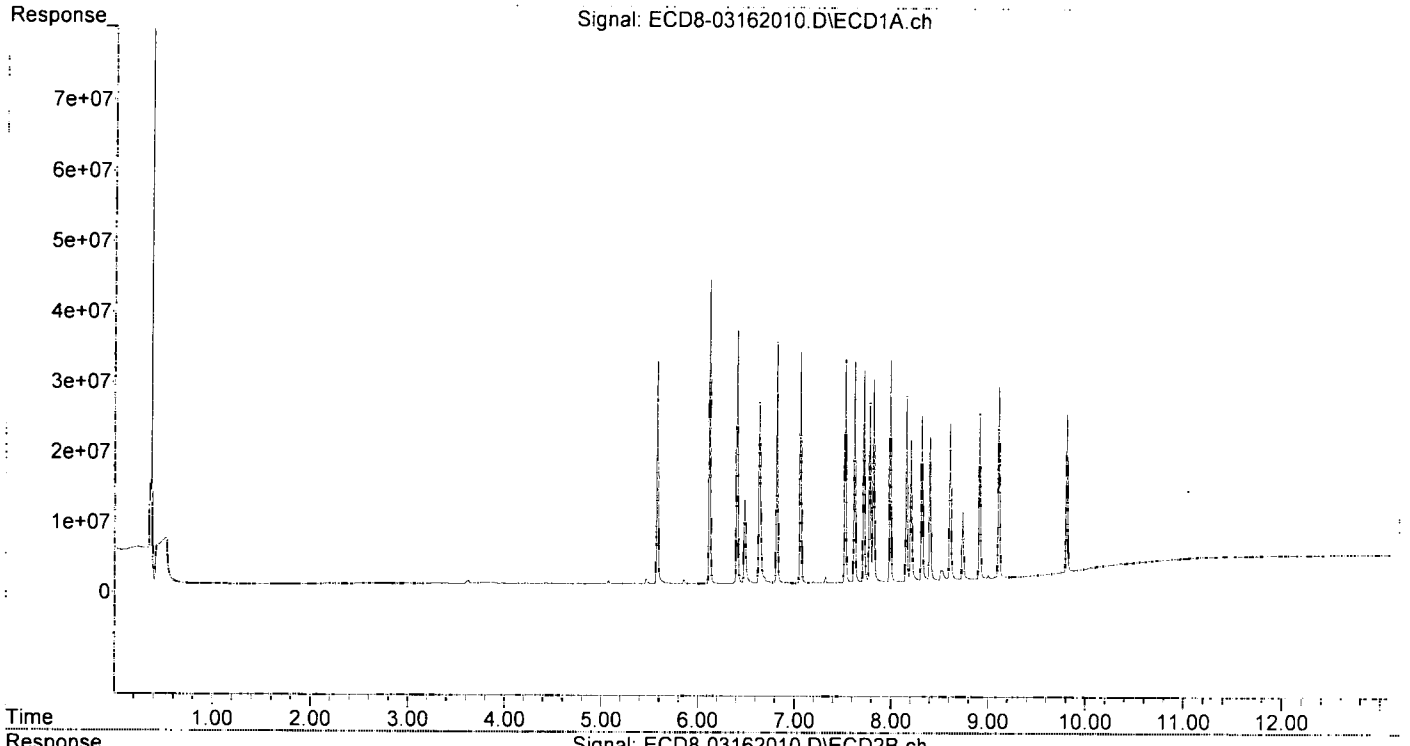
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.580	6.024	32001429	35068138	9.153	10.166	
22)	S DCBP (S)	9.809	10.606	23495989	19969897	8.831	9.297	
	Target Compounds							
2)	a-BHC	6.121	6.630	43565981	46440782	9.221	10.737	
3)	g-BHC	6.406	6.948	36193141	37131161	8.693	9.419	
4)	b-BHC	6.485	7.013	12088928	14860984	6.941	8.560	
5)	Heptachlor	6.820	7.322	34502582	34062288	8.395	8.089	
6)	d-BHC	6.638	7.269	25997548	33720419	7.564	9.540	#
7)	Aldrin	7.064	7.590	33166443	37015165	8.208	9.765	
8)	Heptachlo...	7.527	8.028	31999268	33003117	8.665	9.194	
9)	trans-Chl...	7.623	8.168	31687157	32976505	8.426	8.868	
10)	cis-Chlor...	7.720	8.277	30374851	32513398	8.271	9.230	
11)	Endosulfa...	7.820	8.327	29226515	29470789	8.426	8.917	
12)	4,4'-DDE	7.780	8.385	25658444	31100058	7.727	9.889	#
13)	Dieldrin	7.992	8.529	31790848	33326837	8.337	9.425	
14)	Endrin	8.159	8.757	26499878	26087218	8.120	8.948	
15)	4,4'-DDD	8.205	8.802	20211415	22430896	7.942	9.417	
16)	Endosulfa...	8.319	8.906	23675227	25514204	7.914	9.488	
17)	4,4'-DDT	8.402	9.029	20567381	21505044	7.651	8.567	
18)	Endrin Al...	8.610	9.144	22432407	23977064	8.521	9.069	
19)	Endosulfa...	8.914	9.335	23594213	24497240	8.243	9.551	
20)	Methoxychlor	8.740	9.512	9880452	10336436	8.188	9.184	
21)	Endrin Ke...	9.111	9.738	27345823	25144537	7.912	8.568	
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d	
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d	
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d	
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d	
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d	
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d	
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d	
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	

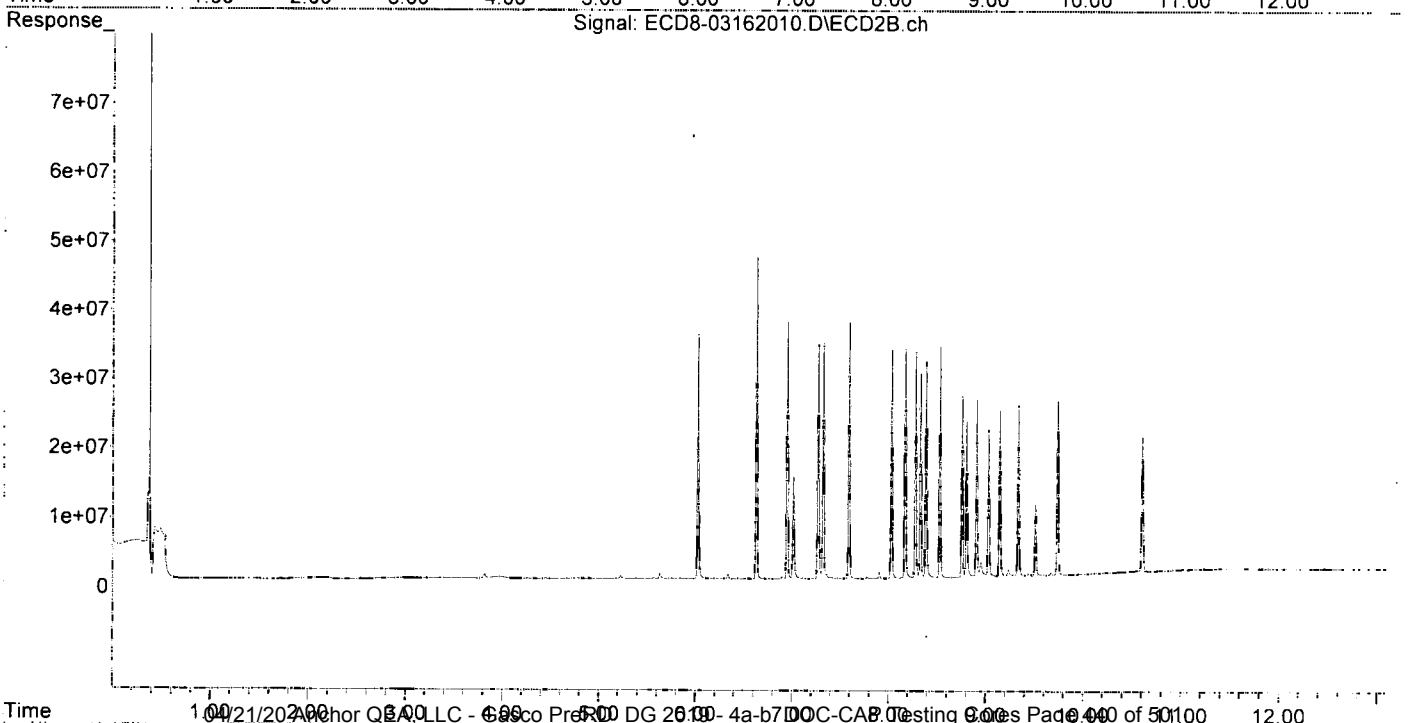
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:32
Operator : MJB
Sample : 0C16047-CAL5
Misc : A20C181, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:07:01 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:49
Operator : MJB
Sample : 0C16047-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:07:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

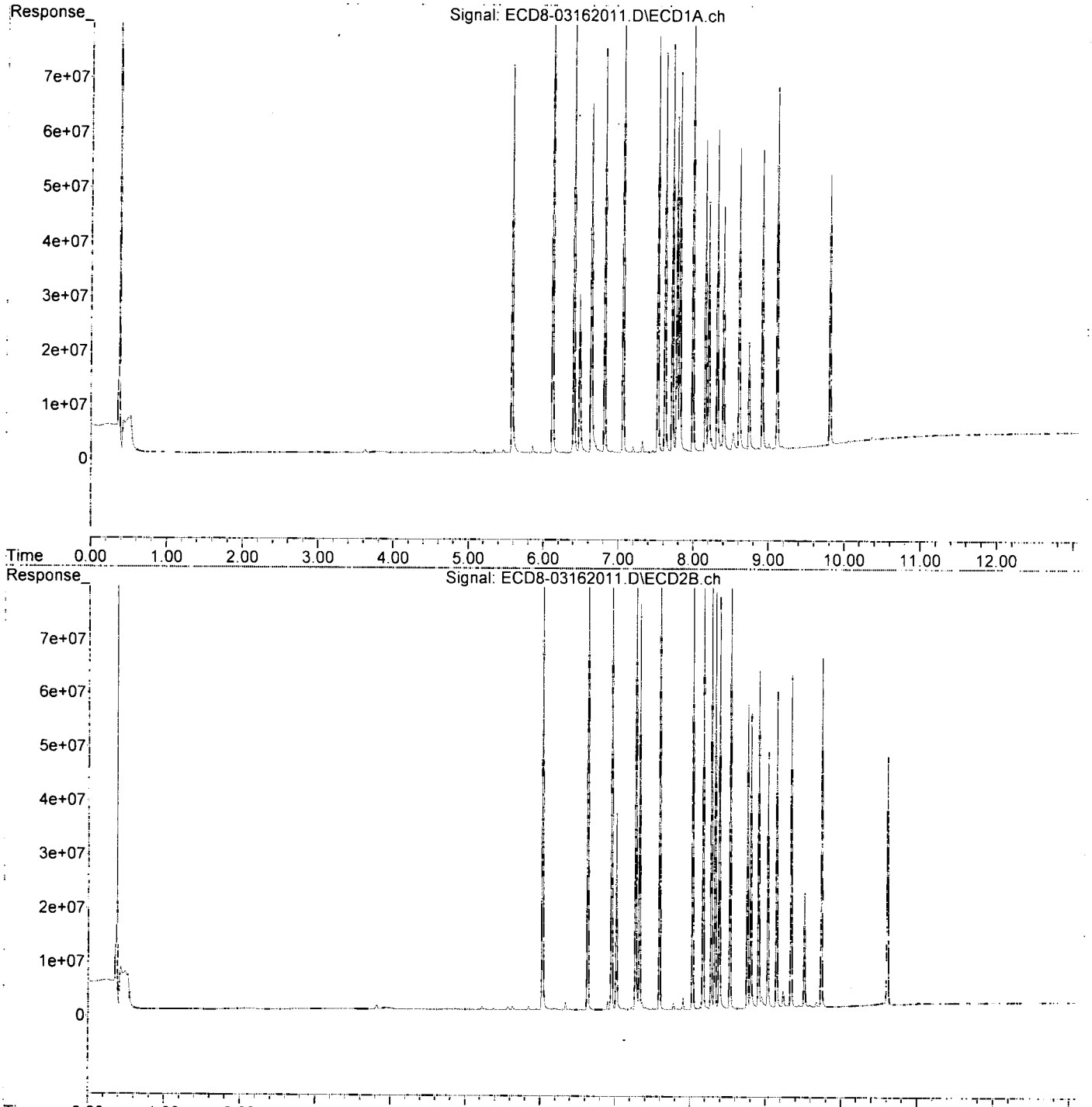
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.024	71347819	83636188	20.408	24.246	
22)	S	DCBP (S)	9.809	10.606	49920161	46192575	19.047	21.873	
		Target Compounds							
2)		a-BHC	6.121	6.630	101.1E6	115.3E6	21.405	25.799	
3)		g-BHC	6.405	6.948	86717503	92100853	20.829	22.825	
4)		b-BHC	6.483	7.013	29266861	36301898	16.804	20.911	
5)		Heptachlor	6.818	7.321	74173038	75226524	18.047	17.865	
6)		d-BHC	6.636	7.268	64143054	84564624	18.267	23.131	#
7)		Aldrin	7.062	7.589	83995981	94422819	20.788	24.370	
8)		Heptachlo...	7.525	8.028	76265635	79811330	20.652	22.233	
9)		trans-Chl...	7.622	8.168	73216239	82197987	19.470	22.106	
10)		cis-Chlor...	7.719	8.276	74698544	82847465	20.341	23.518	
11)		Endosulfa...	7.819	8.327	69500067	77403976	20.036	23.420	
12)		4,4'-DDE	7.779	8.383	61506960	76441526	18.522	23.542	#
13)		Dieldrin	7.992	8.528	78505318	89290681	20.587	24.658	
14)		Endrin	8.159	8.756	57093962	56085620	17.494	18.941	
15)		4,4'-DDD	8.203	8.801	45820318	54795237	18.004	22.197	
16)		Endosulfa...	8.317	8.904	58994393	62811647	19.720	22.853	
17)		4,4'-DDT	8.401	9.028	44979738	47593950	16.732	18.524	
18)		Endrin Al...	8.609	9.143	55582800	58579344	21.113	22.158	
19)		Endosulfa...	8.914	9.334	55161718	61840696	19.273	23.645	
20)		Methoxychlor	8.739	9.511	19707961	21602283	16.333	19.114	
21)		Endrin Ke...	9.111	9.737	66288996	64832425	19.178	21.907	
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d	
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d	
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d	
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d	
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d	
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d	
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 14:49
Operator : MJB
Sample : 0C16047-CAL6
Misc : A20C182, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:07:32 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:06
Operator : MJB
Sample : 0C16047-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:02:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Feb 03 15:36:51 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

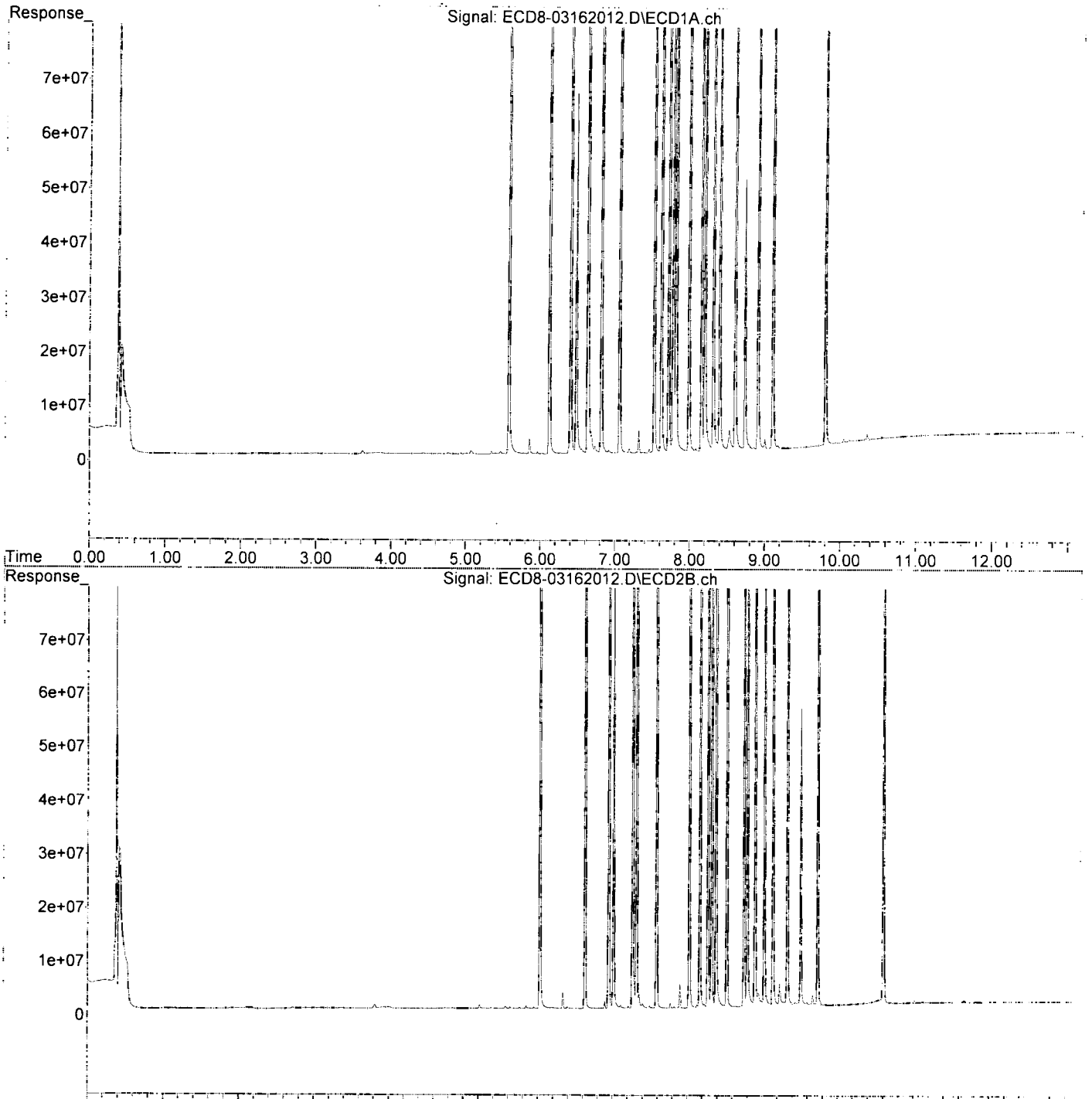
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.579	6.024	152.8E6	184.0E6	43.713	53.350
22)	S	DCBP (S)	9.808	10.606	106.2E6	99929460	40.478	46.682
		Target Compounds						
2)		a-BHC	6.122	6.630	213.3E6	246.6E6	45.151	52.525
3)		g-BHC	6.405	6.948	182.2E6	203.7E6	43.756	48.535
4)		b-BHC	6.481	7.012	66396150	81371984	38.123	46.872
5)		Heptachlor	6.818	7.322	171.7E6	178.7E6	41.781	42.445
6)		d-BHC	6.634	7.268	144.9E6	187.6E6	40.082	48.704
7)		Aldrin	7.062	7.589	172.7E6	197.1E6	42.735	49.105
8)		Heptachlo...	7.525	8.028	159.8E6	175.2E6	43.274	48.818
9)		trans-Chl...	7.621	8.168	154.6E6	177.9E6	41.123	47.840
10)		cis-Chlor...	7.719	8.275	152.7E6	173.5E6	41.585	49.244
11)		Endosulfa...	7.818	8.326	147.3E6	158.5E6	42.460	47.953
12)		4,4'-DDE	7.777	8.383	137.6E6	172.6E6	41.422	50.418
13)		Dieldrin	7.990	8.527	168.5E6	179.4E6	44.176	47.950
14)		Endrin	8.158	8.756	135.9E6	140.9E6	41.632	45.651
15)		4,4'-DDD	8.202	8.801	102.0E6	124.4E6	40.075	47.302
16)		Endosulfa...	8.316	8.904	122.2E6	139.0E6	40.842	48.450
17)		4,4'-DDT	8.400	9.027	109.3E6	121.8E6	40.652	44.565
18)		Endrin Al...	8.608	9.142	114.9E6	123.4E6	43.659	46.681
19)		Endosulfa...	8.913	9.334	120.1E6	133.1E6	41.951	48.829
20)		Methoxychlor	8.739	9.511	49908056	55305678	41.361	46.378
21)		Endrin Ke...	9.110	9.737	140.1E6	143.1E6	40.540	46.576
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:06
Operator : MJB
Sample : 0C16047-CAL7
Misc : A20C183, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:02:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Mon Feb 03 15:36:51 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:22
Operator : MJB
Sample : 0C16047-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:08:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/19/20

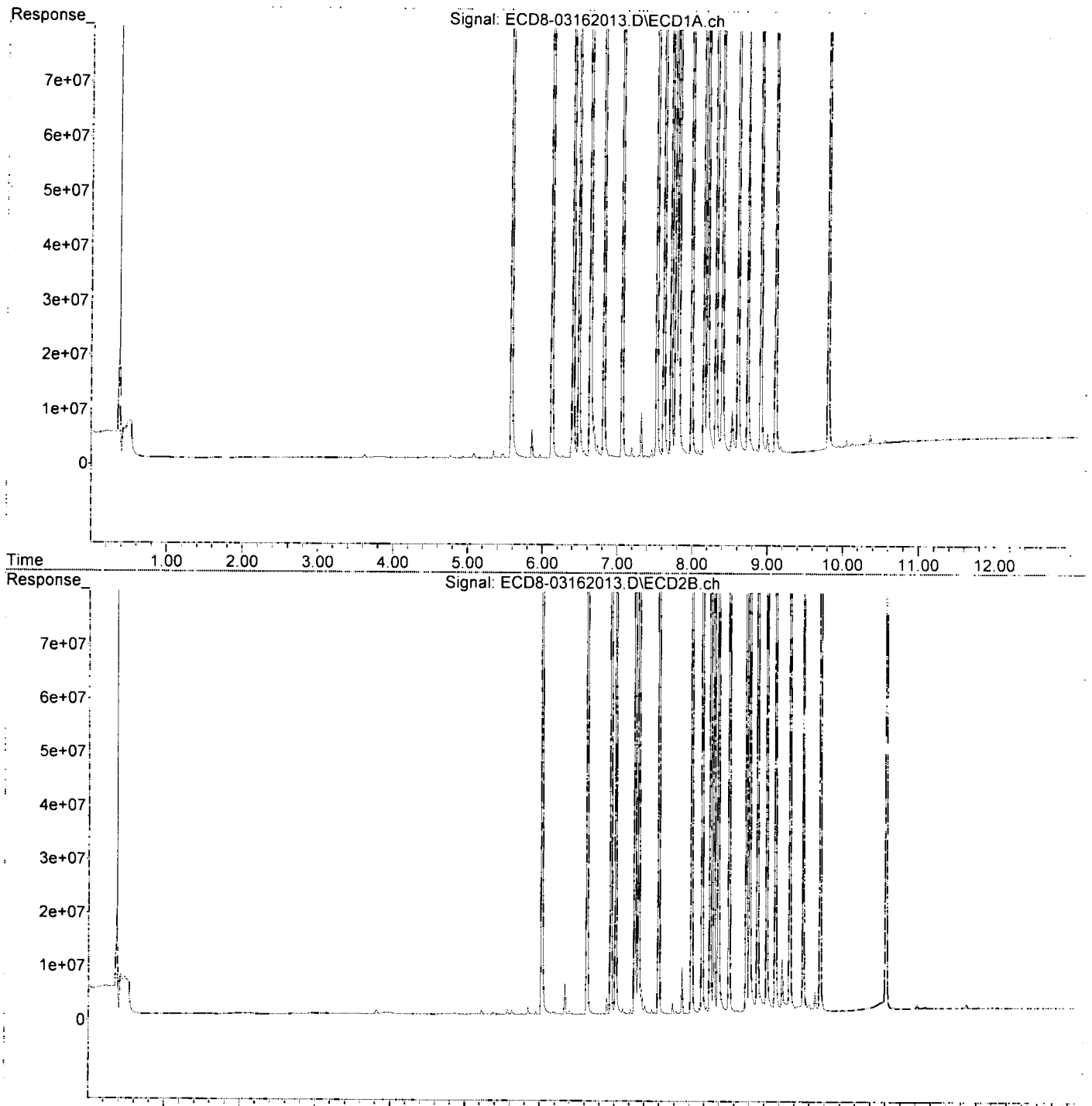
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.580	6.024	298.9E6	380.5E6	85.486	110.306 #
22)	S	DCBP (S)	9.807	10.605	210.1E6	202.8E6	79.042	91.105
		Target Compounds						
2)		a-BHC	6.122	6.630	429.6E6	520.3E6	90.919	101.897
3)		g-BHC	6.406	6.948	373.8E6	422.3E6	89.781	94.263
4)		b-BHC	6.481	7.012	139.4E6	167.3E6	80.057	96.377
5)		Heptachlor	6.818	7.322	346.6E6	373.8E6	84.330	88.769
6)		d-BHC	6.633	7.268	309.6E6	401.7E6	81.531	95.589
7)		Aldrin	7.061	7.588	354.8E6	424.4E6	87.803	98.919
8)		Heptachlo...	7.524	8.027	312.6E6	367.3E6	84.642	102.318
9)		trans-Chl...	7.620	8.167	319.7E6	376.5E6	85.023	101.266
10)		cis-Chlor...	7.718	8.275	310.1E6	361.3E6	84.444	102.555
11)		Endosulfa...	7.817	8.325	296.0E6	338.9E6	85.337	102.545
12)		4,4'-DDE	7.776	8.382	290.3E6	368.8E6	87.425	98.831
13)		Dieldrin	7.990	8.527	339.9E6	394.2E6	89.128	98.529
14)		Endrin	8.157	8.756	266.9E6	295.6E6	81.792	89.808
15)		4,4'-DDD	8.201	8.799	216.6E6	256.7E6	85.096	88.777
16)		Endosulfa...	8.315	8.904	251.4E6	283.5E6	84.040	92.089
17)		4,4'-DDT	8.399	9.027	230.6E6	258.7E6	85.798	86.360
18)		Endrin Al...	8.607	9.141	231.4E6	272.2E6	87.913	102.965
19)		Endosulfa...	8.912	9.334	241.1E6	277.4E6	84.248	94.616
20)		Methoxychlor	8.737	9.510	96827982	110.2E6	80.246	85.154
21)		Endrin Ke...	9.109	9.736	286.3E6	295.1E6	82.830	89.675
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:22
Operator : MJB
Sample : 0C16047-CAL8
Misc : A20C184, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:08:04 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:39
Operator : MJB
Sample : 0C16047-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:08:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

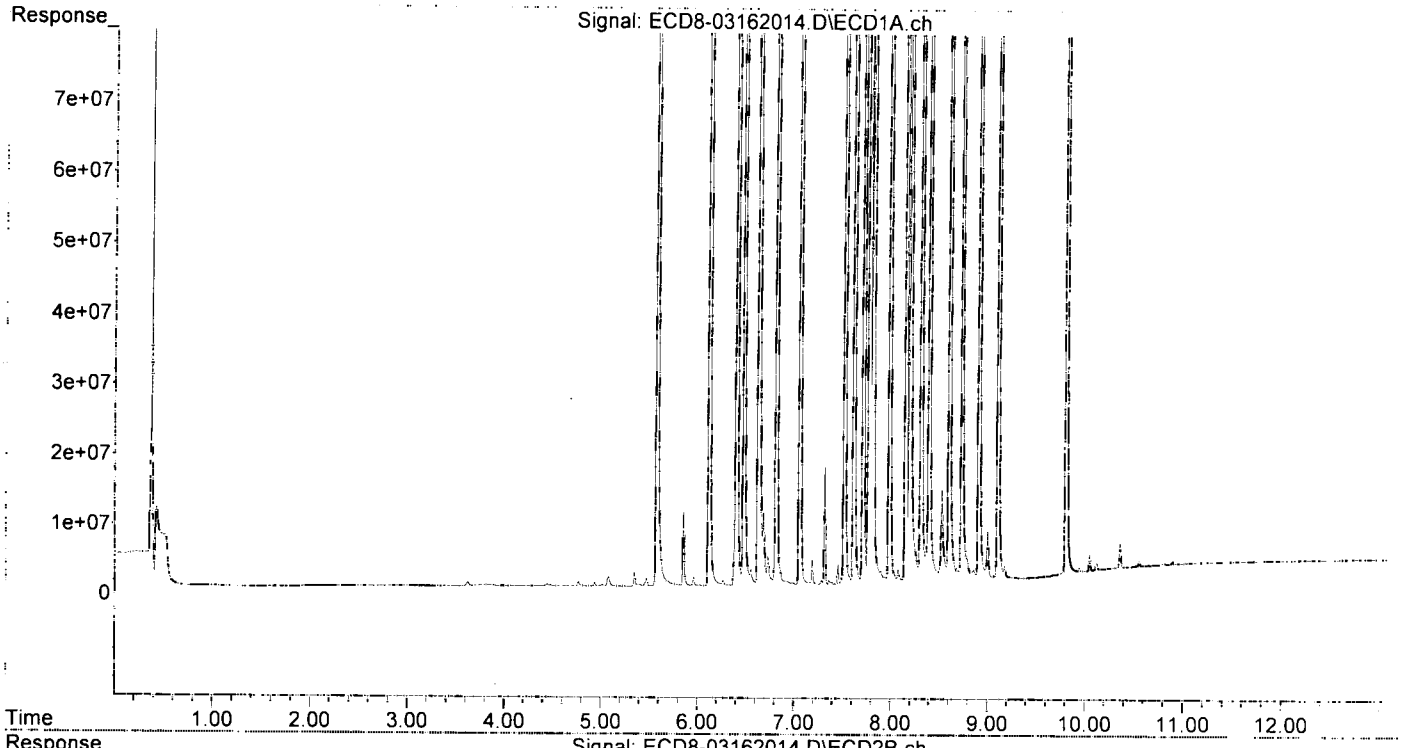
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.580	6.025	631.5E6	804.1E6	180.615	233.114	#
22)	S	DCBP (S)	9.806	10.606	452.1E6	442.6E6	164.116	182.954	
		Target Compounds							
2)		a-BHC	6.122	6.631	901.9E6	1088.3E6	190.906	187.193	
3)		g-BHC	6.406	6.949	770.2E6	915.9E6	184.995	182.374	
4)		b-BHC	6.480	7.012	299.4E6	383.3E6	171.902	220.797	#
5)		Heptachlor	6.818	7.322	716.1E6	835.7E6	174.228	198.467	
6)		d-BHC	6.633	7.267	703.0E6	904.4E6	168.486	185.745	
7)		Aldrin	7.061	7.589	737.4E6	896.4E6	182.504	187.423	
8)		Heptachlo...	7.524	8.028	669.9E6	788.0E6	181.393	219.522	
9)		trans-Chl...	7.620	8.168	678.6E6	843.9E6	180.440	226.950	#
10)		cis-Chlor...	7.717	8.275	655.2E6	797.0E6	178.413	226.251	#
11)		Endosulfa...	7.817	8.326	596.2E6	760.6E6	171.880	230.149	#
12)		4,4'-DDE	7.775	8.383	618.8E6	801.6E6	186.344	186.879	
13)		Dieldrin	7.990	8.528	701.6E6	863.2E6	183.983	192.629	
14)		Endrin	8.157	8.757	559.7E6	674.6E6	171.497	181.334	
15)		4,4'-DDD	8.200	8.800	475.5E6	606.3E6	186.842	176.100	
16)		Endosulfa...	8.315	8.904	549.5E6	655.1E6	183.678	185.676	
17)		4,4'-DDT	8.399	9.028	509.5E6	605.8E6	189.520	171.442	
18)		Endrin Al...	8.606	9.142	487.4E6	606.1E6	185.148	229.246	
19)		Endosulfa...	8.912	9.334	503.6E6	613.5E6	175.943	183.791	
20)		Methoxychlor	8.735	9.510	222.8E6	264.9E6	184.667	172.904	
21)		Endrin Ke...	9.109	9.738	604.7E6	686.0E6	174.962	182.023	
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d	
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d	
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d	
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d	
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d	
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d	
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	

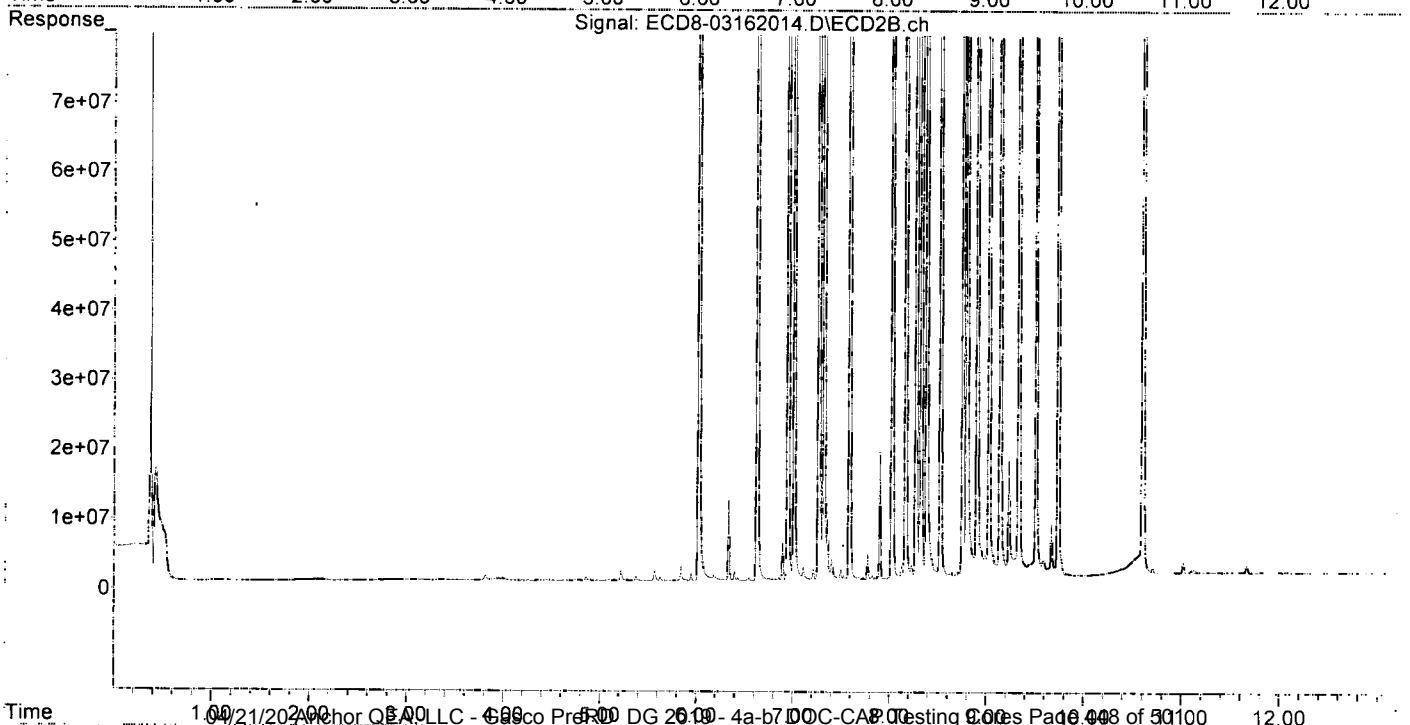
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 15:39
Operator : MJB
Sample : 0C16047-CAL9
Misc : A20C177, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:08:37 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 11:11:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

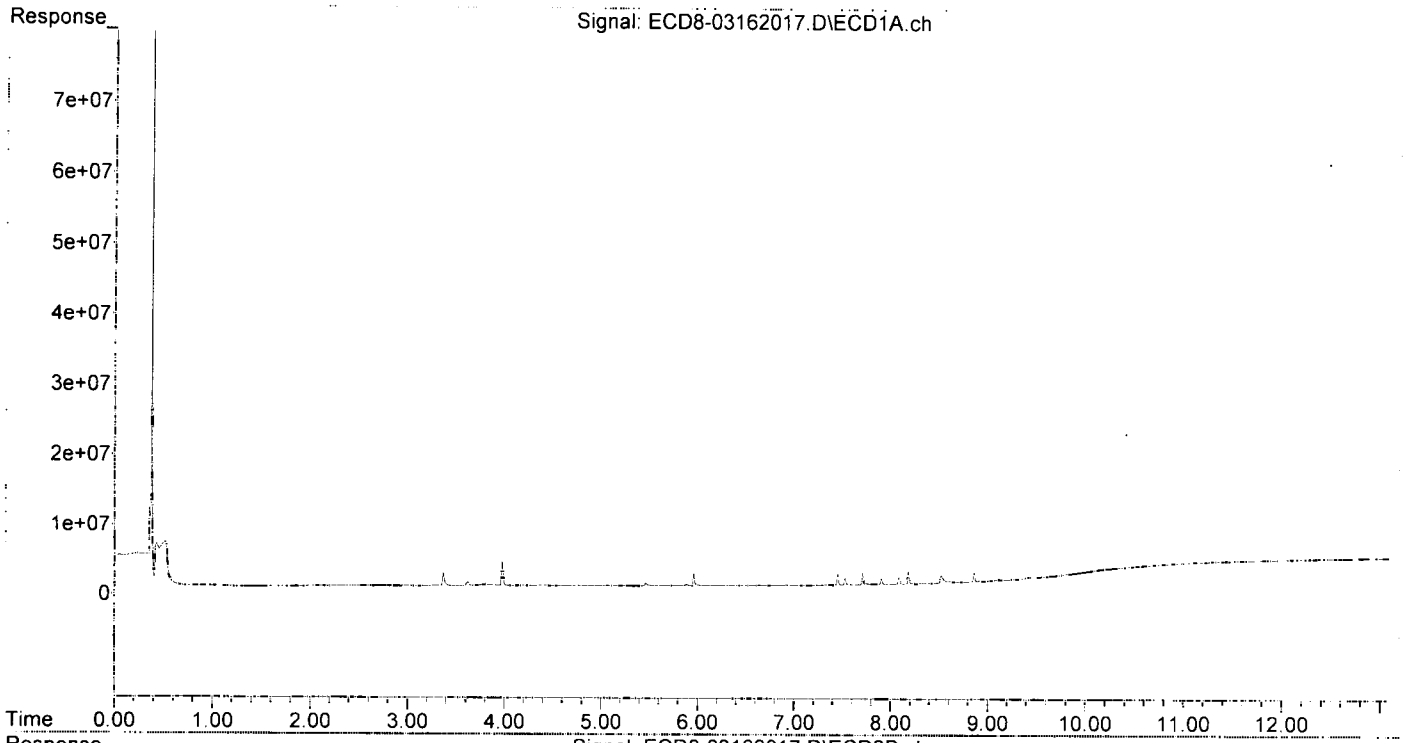
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.370	3.723	1888302	2253210	0.484	0.465
24)	Hexachlor...	5.962	6.489	1831455	2036158	0.545	0.655
25)	Oxychlordane	7.454	7.957	1624032	1805362	0.349	0.565 #
26)	2,4'-DDE	7.529	8.163	956672	1158935	0.414	0.510
27)	trans-Non...	7.710	8.231	1717828	1907827	0.469	0.529
28)	2,4'-DDD	7.905	8.537	837824	1045189	0.433	0.546 #
29)	2,4'-DDT	8.086	8.761	999176	1100621	0.418	0.468
30)	cis-Nonac...	8.184	8.800	1811776	2027955	0.445	0.509
31)	Mirex	8.861	9.729	1353238	1673200	0.352	0.556 #
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

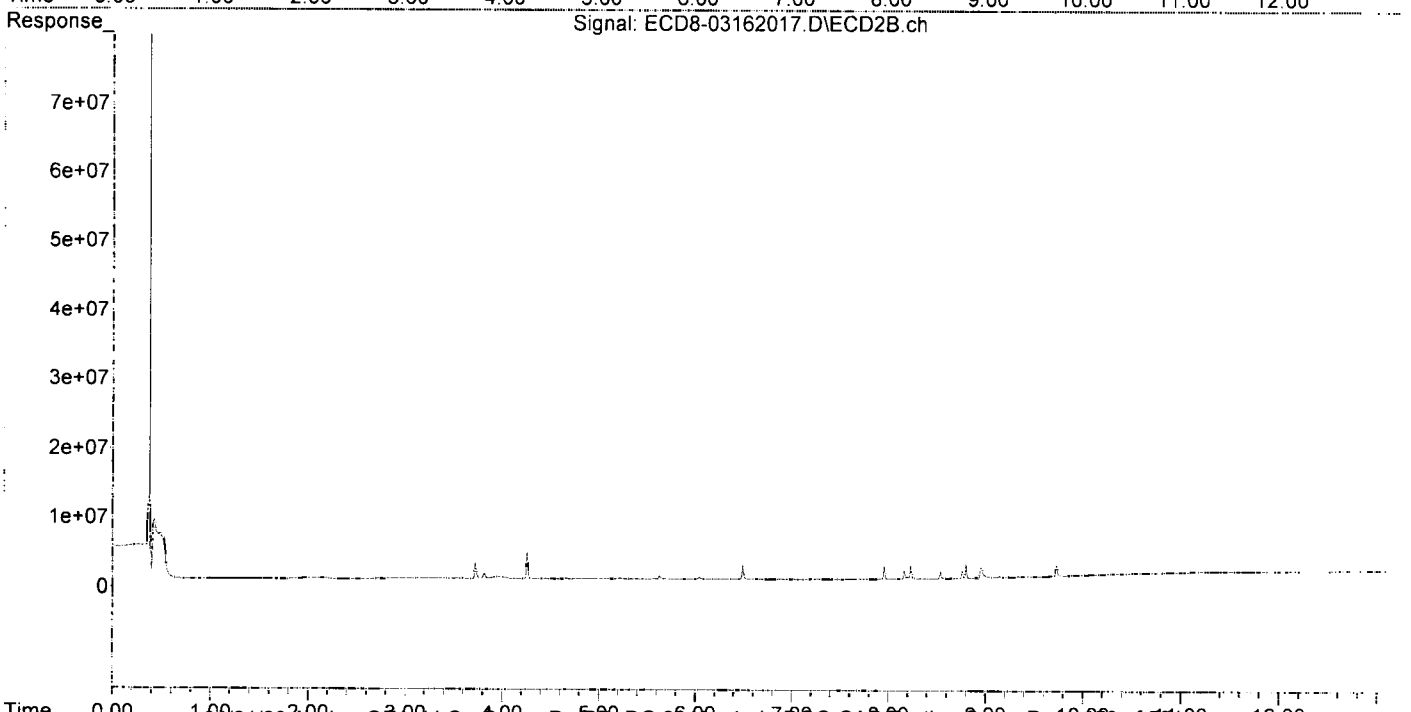
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:28
Operator : MJB
Sample : 0C16047-CALA
Misc : A20C231, 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: Mar 17 11:11:18 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:45
Operator : MJB
Sample : 0C16047-CALB
Misc : A19K263, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:11:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/2.

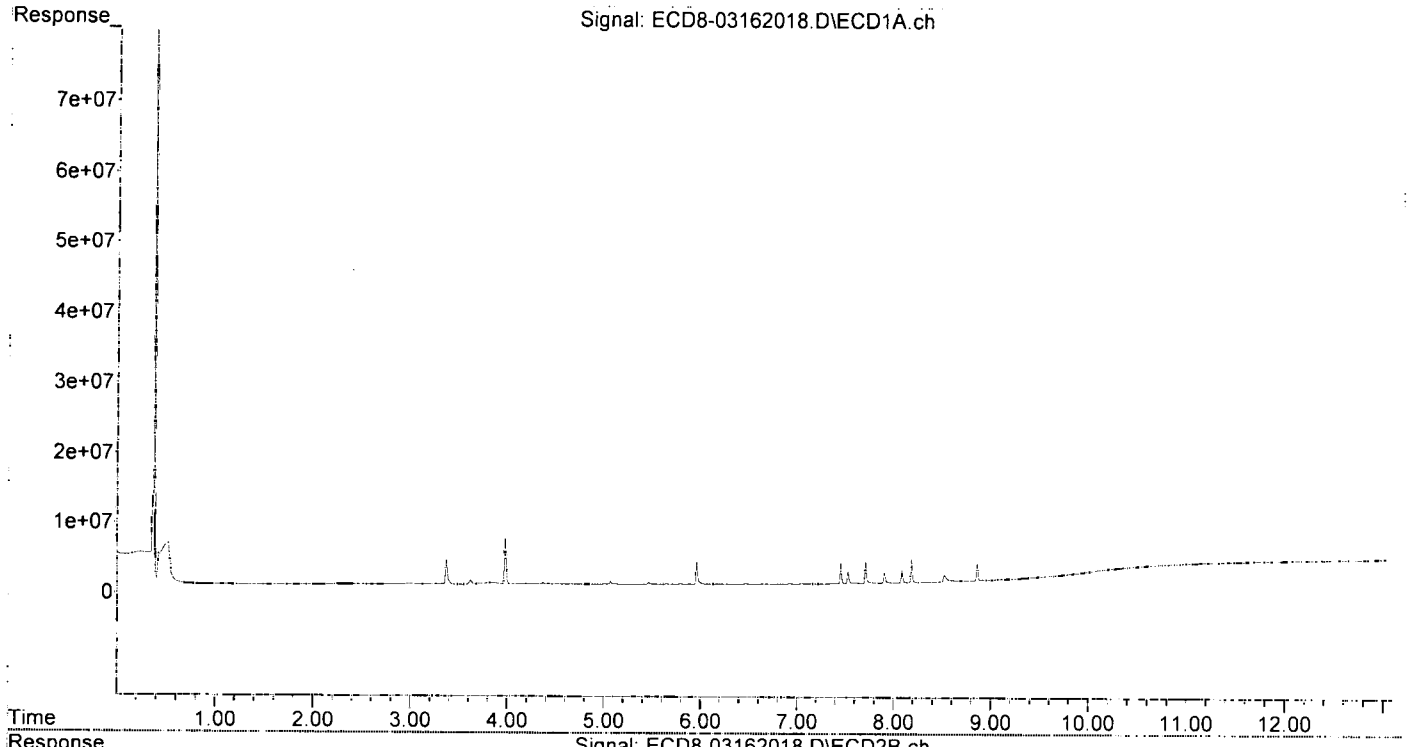
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	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...	3.370	3.723	3638948	4425865	0.934	0.914
24)		Hexachlor...	5.963	6.490	3317814	3691223	0.987	1.230
25)		Oxychlordane	7.453	7.956	3025091	3280899	0.805	1.026 #
26)		2,4'-DDE	7.528	8.162	1839998	2298754	0.796	1.011 #
27)		trans-Non...	7.710	8.231	3128481	3625130	0.853	1.004
28)		2,4'-DDD	7.904	8.536	1556511	1890535	0.804	0.988
29)		2,4'-DDT	8.086	8.761	1876602	2002502	0.784	0.890
30)		cis-Nonac...	8.185	8.799	3417532	3797349	0.840	0.953
31)		Mirex	8.861	9.729	2451332	2726267	0.806	1.065 #
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

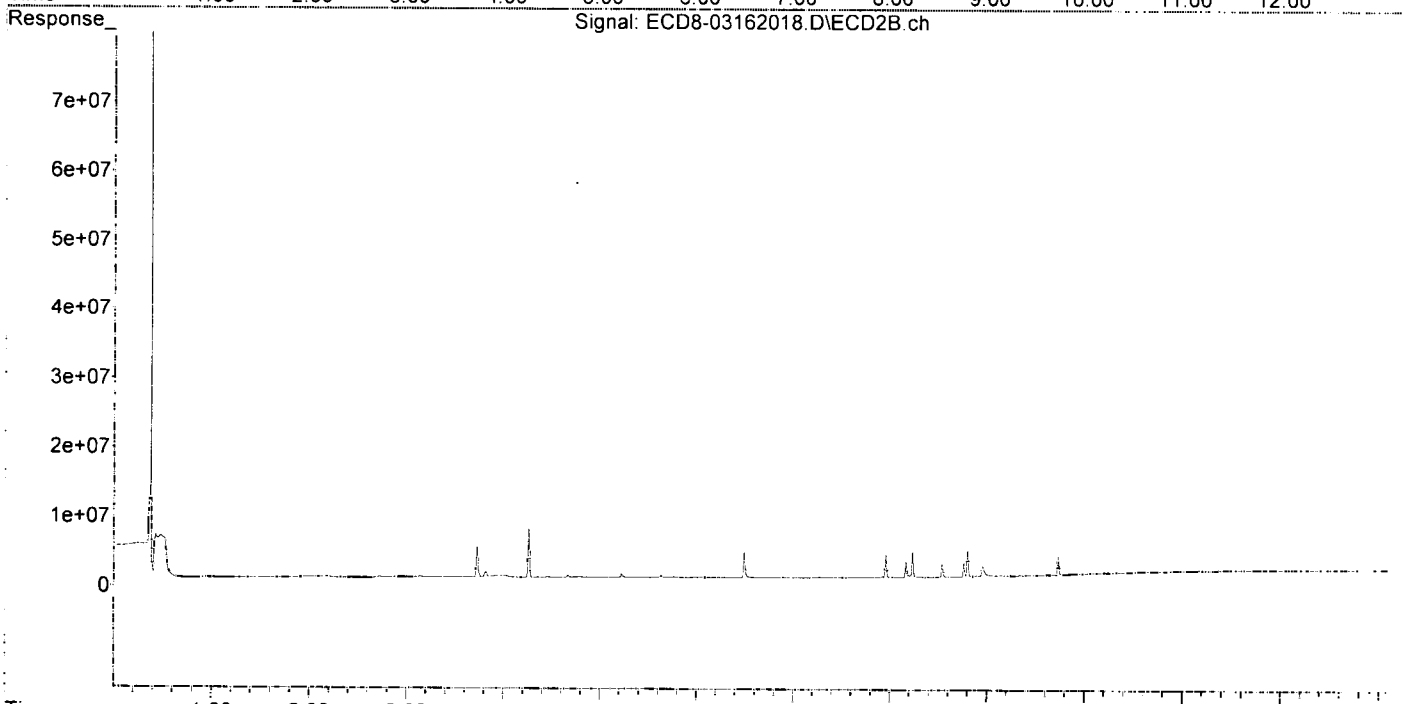
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 16:45
Operator : MJB
Sample : 0C16047-CALB
Misc : A19K263, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:11:57 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:01
Operator : MJB
Sample : 0C16047-CALC
Misc : A19K264, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:12:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

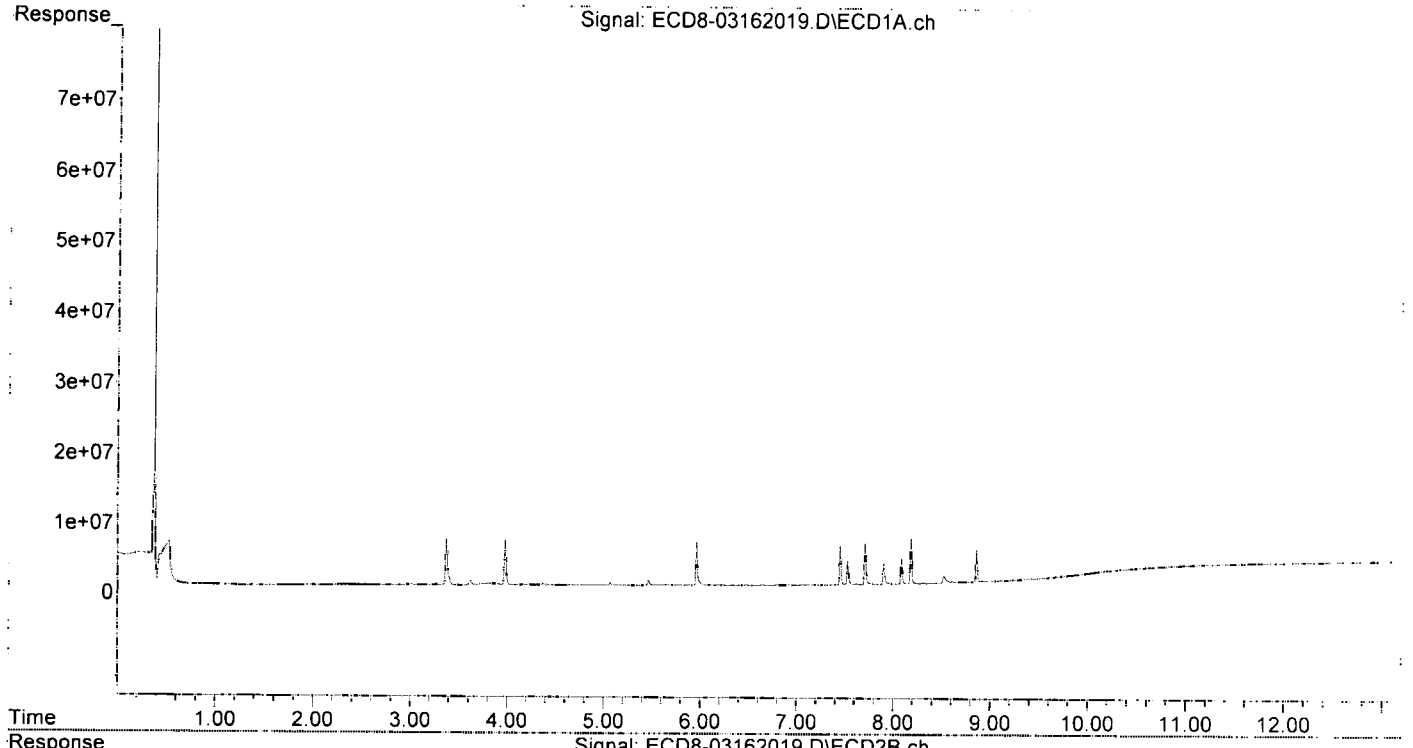
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	3.370	3.723	6689821	8109402	1.716	1.675
24)		Hexachlor...	5.962	6.489	6267149	7158536	1.864	2.431 #
25)		Oxychlordane	7.453	7.956	5659468	6223694	1.663	1.946
26)		2,4'-DDE	7.527	8.162	3575830	4408622	1.547	1.940 #
27)		trans-Non...	7.710	8.231	6016432	6911208	1.641	1.915
28)		2,4'-DDD	7.903	8.537	3059096	3780582	1.579	1.975 #
29)		2,4'-DDT	8.085	8.761	3717100	4050268	1.553	1.847
30)		cis-Nonac...	8.184	8.799	6687812	7483777	1.643	1.878
31)		Mirex	8.861	9.728	4750118	4979688	1.755	2.152
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

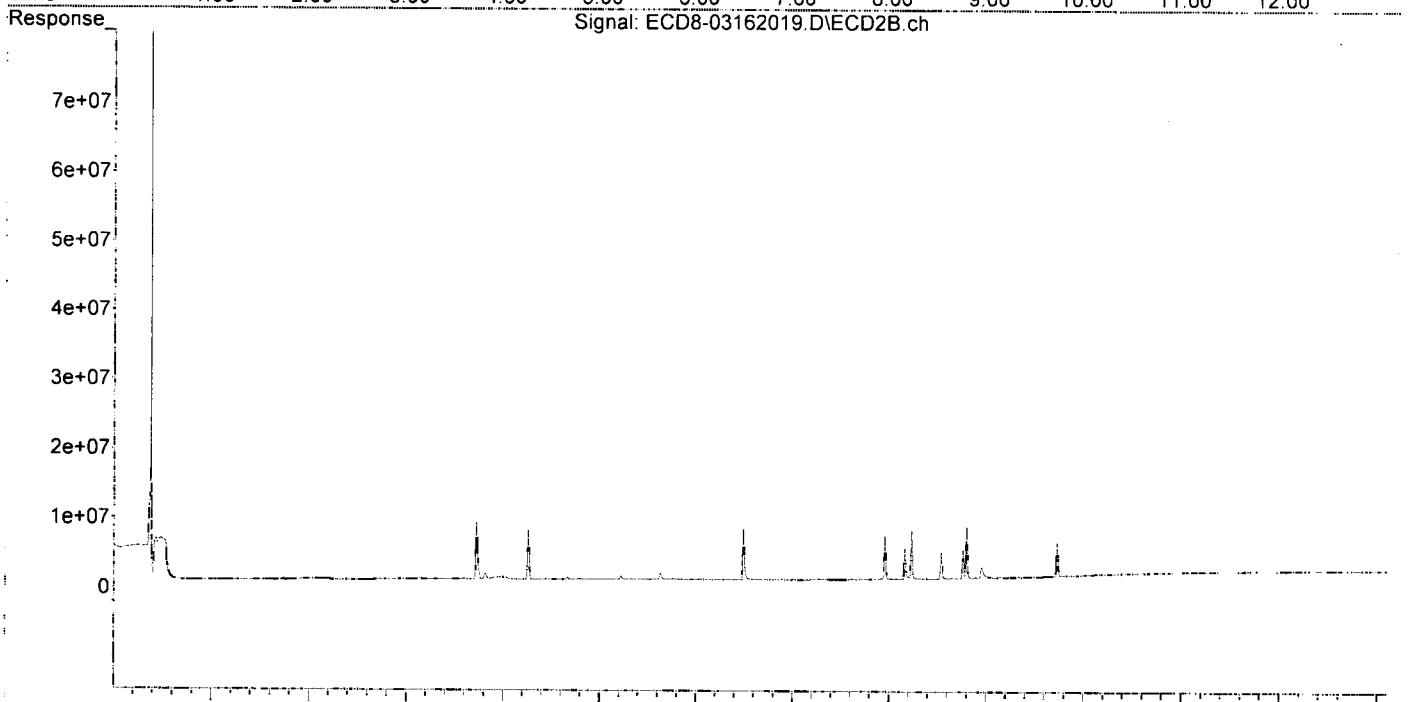
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:01
Operator : MJB
Sample : 0C16047-CALC
Misc : A19K264, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:12:35 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:18
Operator : MJB
Sample : 0C16047-CALD
Misc : A19K265, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:13:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

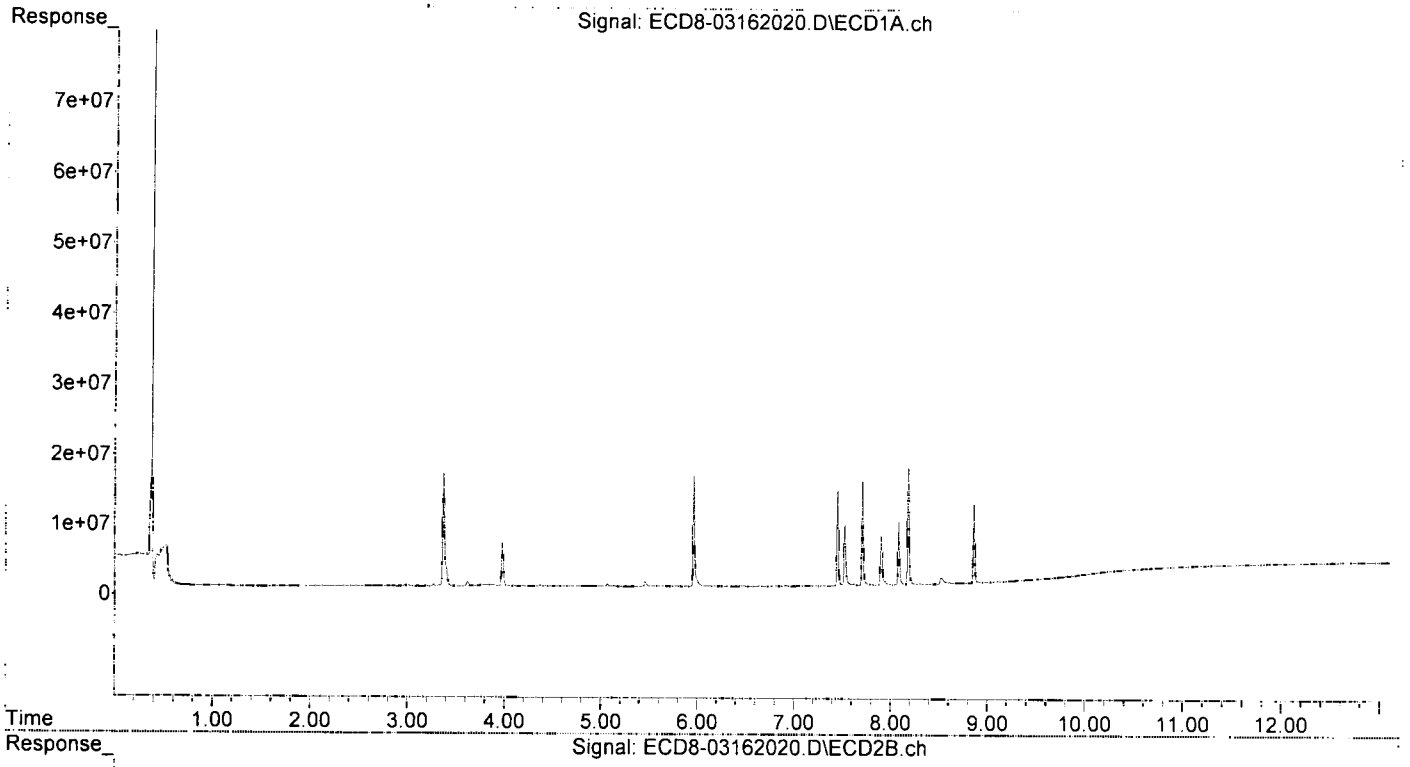
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	3.369	3.722	16157791	19894762	4.145	4.109
24)		Hexachlor...	5.962	6.489	15719132	17354305	4.676	5.934 #
25)		Oxychlordane	7.452	7.956	13684840	15109020	4.275	4.724
26)		2,4'-DDE	7.527	8.162	8731473	10968019	3.776	4.825 #
27)		trans-Non...	7.709	8.231	14858209	16219222	4.053	4.493
28)		2,4'-DDD	7.903	8.536	7042541	8794391	3.636	4.594 #
29)		2,4'-DDT	8.085	8.760	9009823	9672146	3.765	4.458
30)		cis-Nonac...	8.183	8.799	16639578	18827873	4.089	4.724
31)		Mirex	8.860	9.728	11523641	10818555	4.554	4.964
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

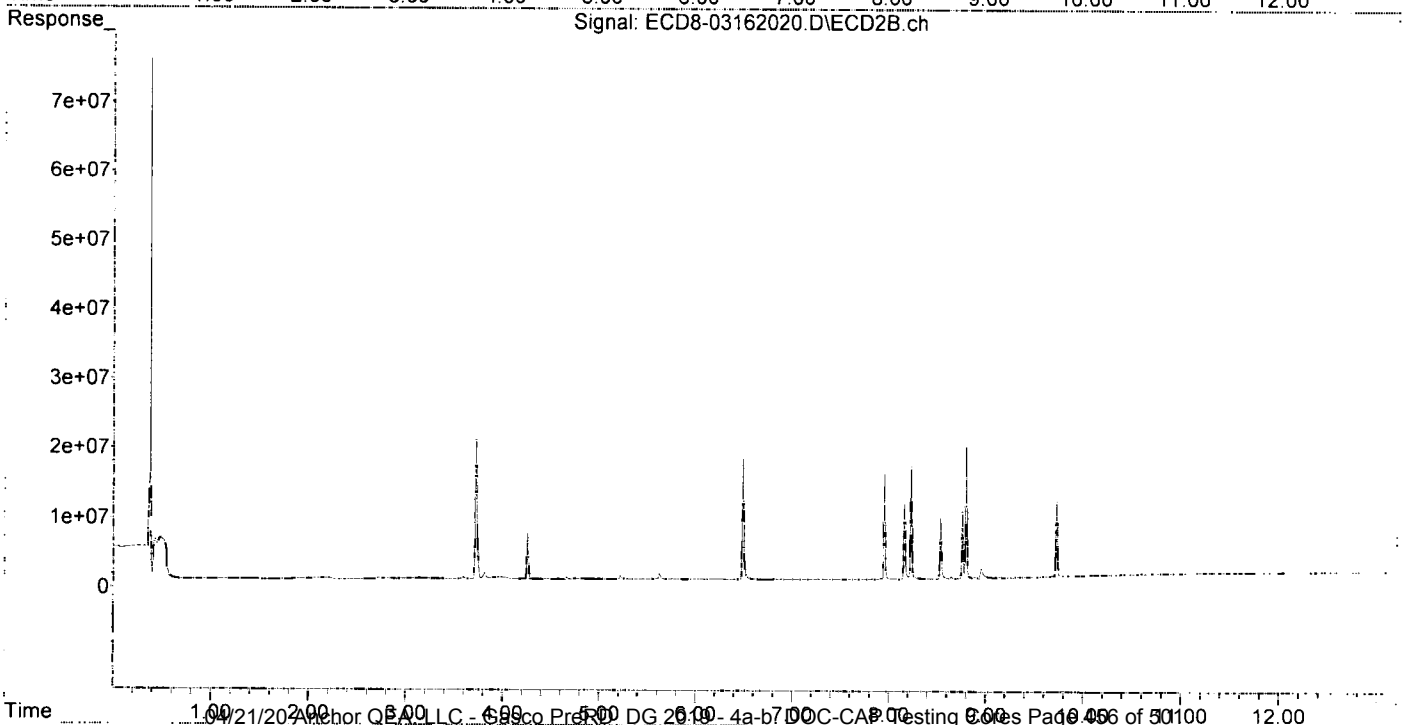
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:18
Operator : MJB
Sample : 0C16047-CALD
Misc : A19K265, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:13:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:34
Operator : MJB
Sample : 0C16047-CALE
Misc : A19K266, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:13:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20.

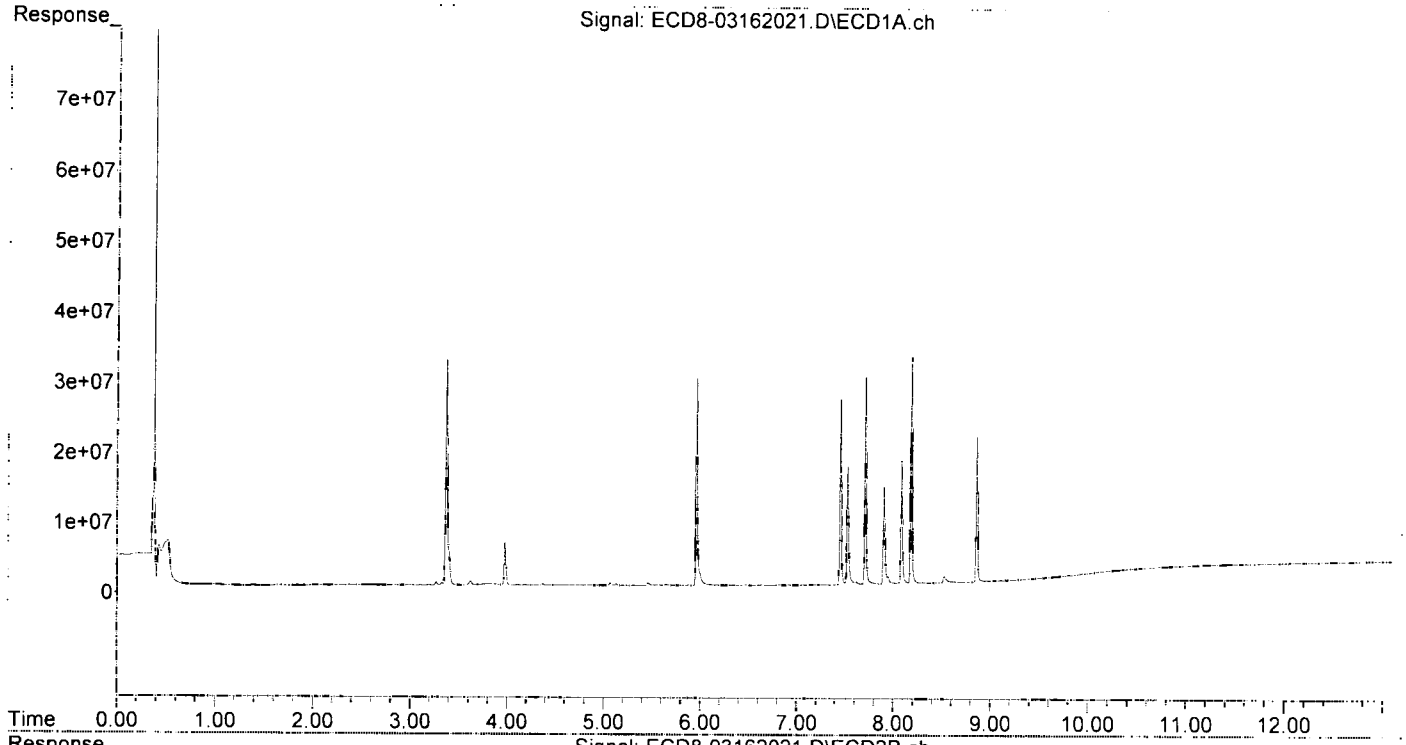
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	3.370	3.723	32191356	39891347	8.258	8.239
24)		Hexachlor...	5.962	6.489	29495330	34132854	8.774	11.606 #
25)		Oxychlordane	7.453	7.955	26596573	29635944	8.473	9.267
26)		2,4'-DDE	7.527	8.161	16953989	21604108	7.333	9.505 #
27)		trans-Non...	7.709	8.230	29637058	32244416	8.084	8.933
28)		2,4'-DDD	7.903	8.536	13950916	16675391	7.203	8.711
29)		2,4'-DDT	8.085	8.760	17684073	19000299	7.389	8.733
30)		cis-Nonac...	8.183	8.799	32292976	36974124	7.935	9.278
31)		Mirex	8.861	9.727	20782564	20706899	8.383	9.707
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

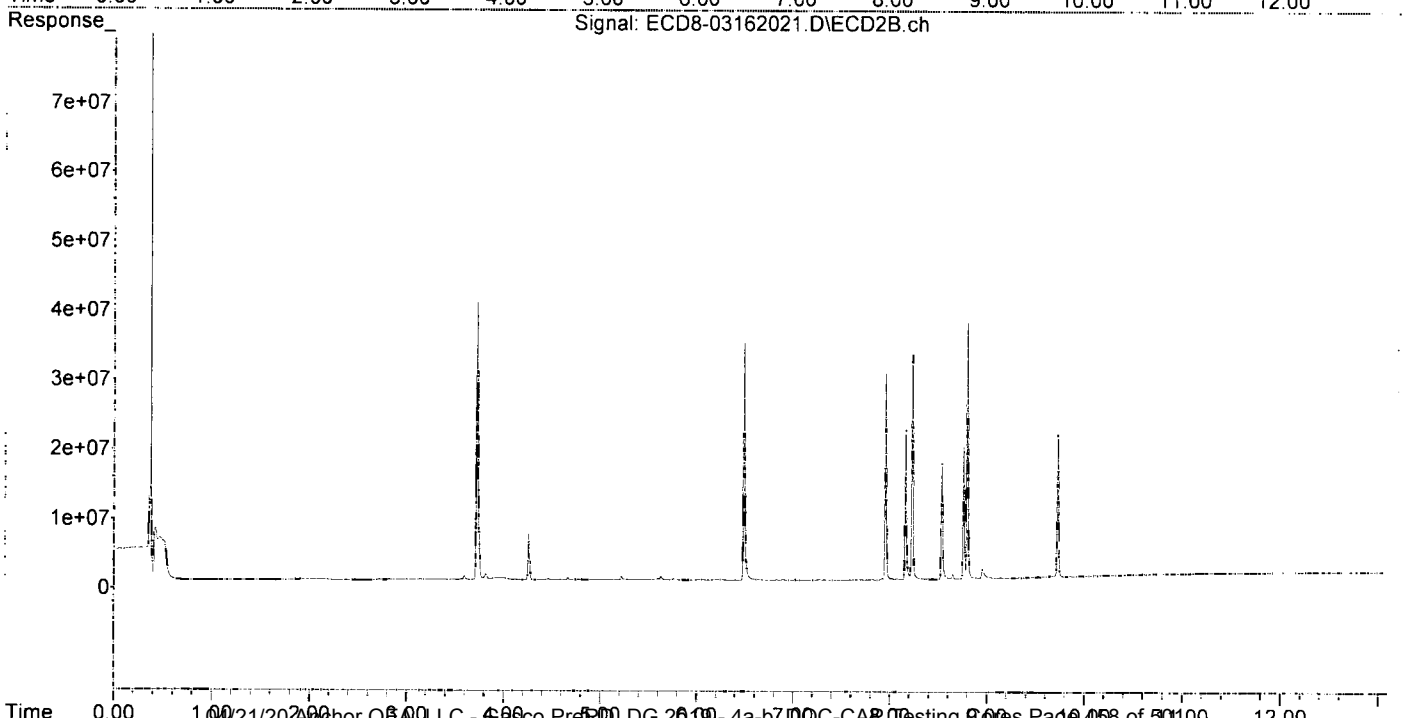
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:34
Operator : MJB
Sample : 0C16047-CALE
Misc : A19K266, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:13:40 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:51
Operator : MJB
Sample : 0C16047-CALF
Misc : A19J407, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:14:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 3/17/20

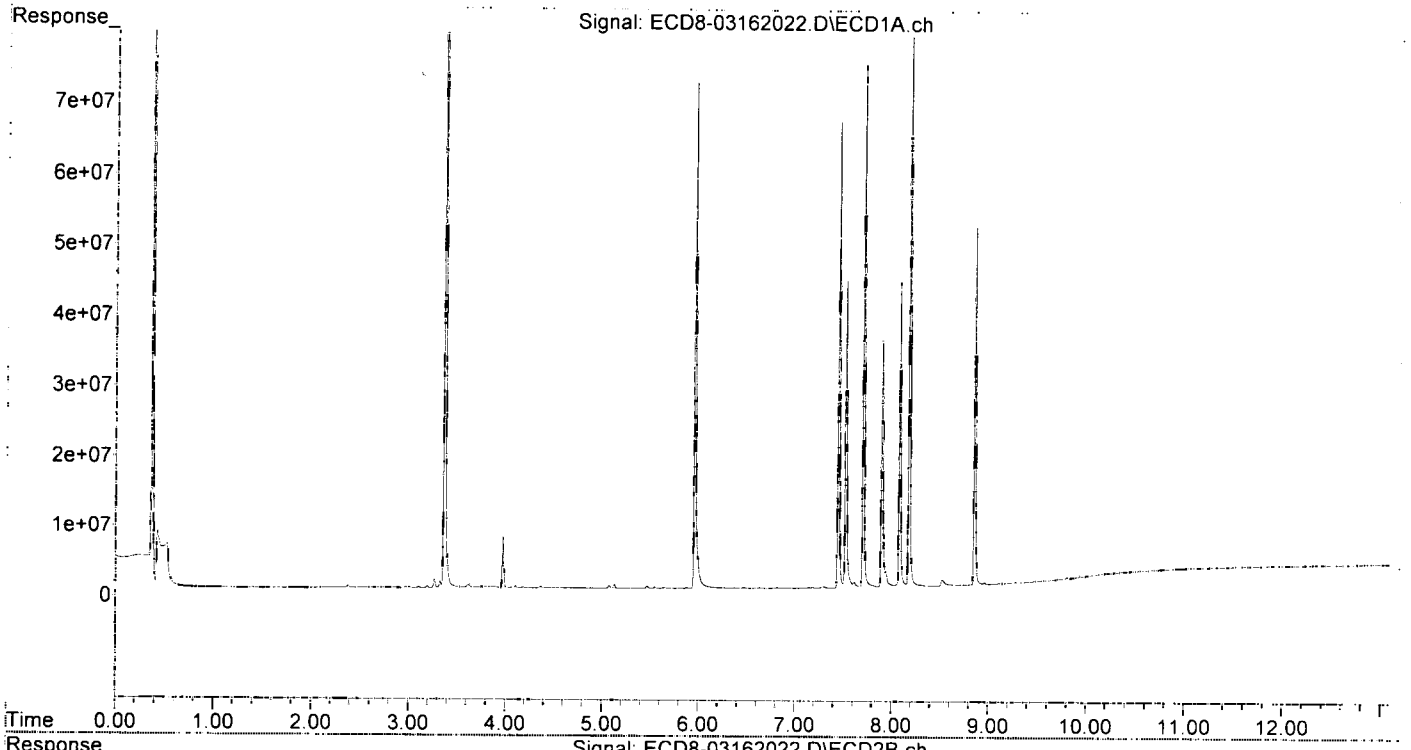
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	3.370	3.723	91025770	113.1E6	23.351	23.357
24)		Hexachlor...	5.962	6.489	71960391	82807735	21.407	27.464 #
25)		Oxychlordane	7.452	7.955	66221327	76190691	21.324	23.824
26)		2,4'-DDE	7.526	8.161	44039535	54980509	19.047	24.188 #
27)		trans-Non...	7.709	8.230	74239235	82674135	20.250	22.905
28)		2,4'-DDD	7.901	8.536	35119104	43419428	18.133	22.682 #
29)		2,4'-DDT	8.084	8.759	43345725	46737787	18.113	21.065
30)		cis-Nonac...	8.183	8.798	81365973	95644642	19.994	24.000
31)		Mirex	8.859	9.727	51009862	50254119	20.908	23.738
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

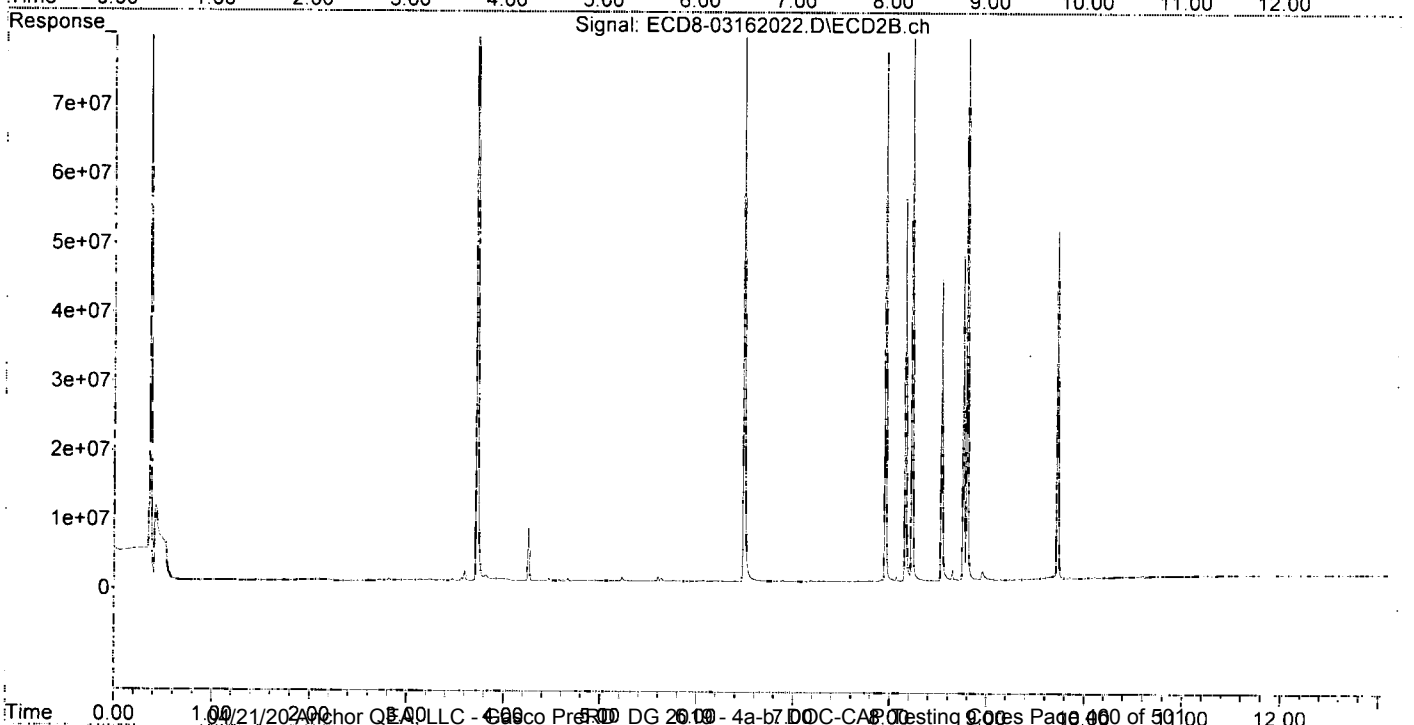
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 17:51
Operator : MJB
Sample : 0C16047-CALF
Misc : A19J407, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:14:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:07
Operator : MJB
Sample : 0C16047-CALG
Misc : A19J408, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:10:29 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

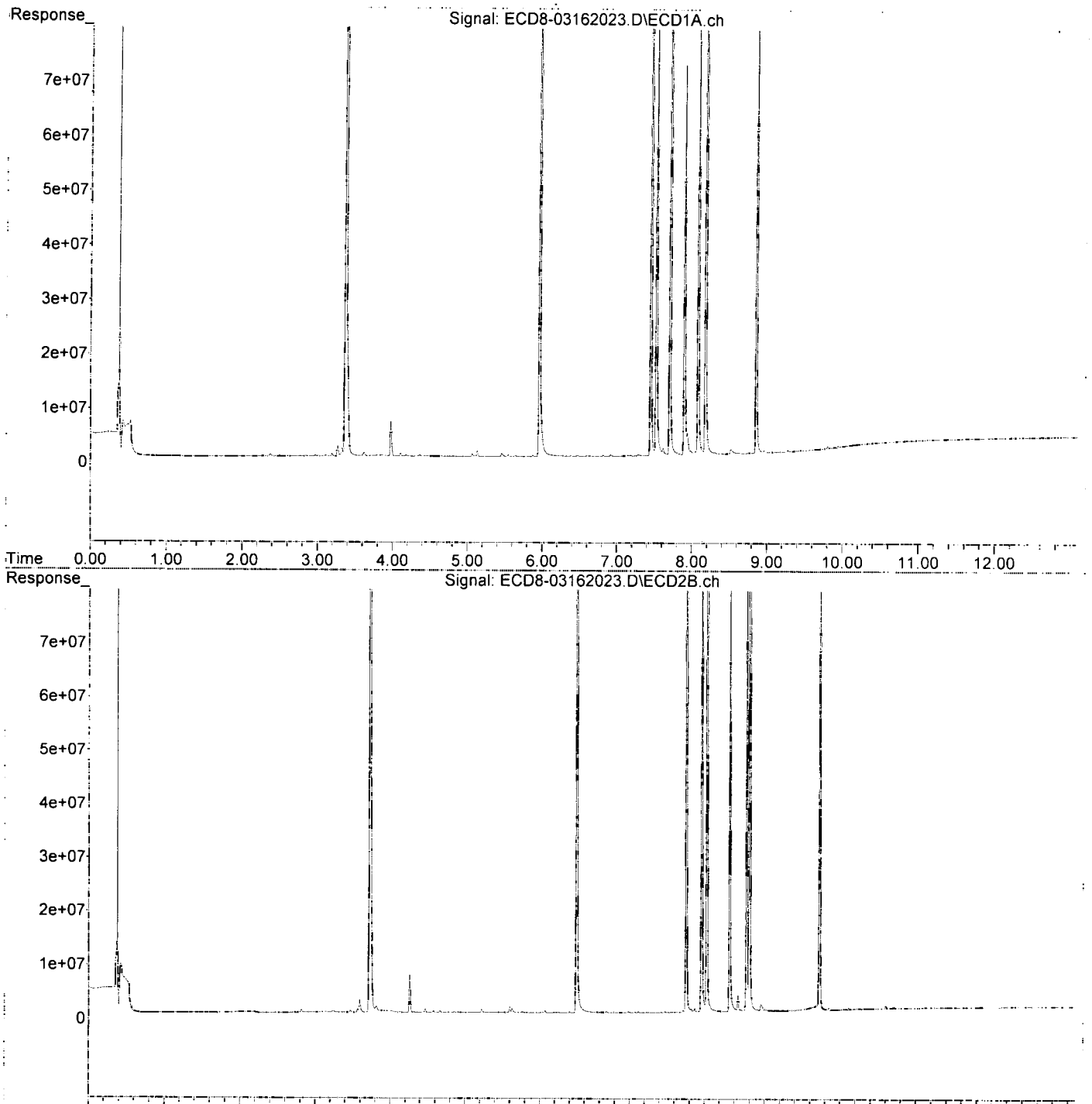
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	3.369	3.723	146.7E6	195.8E6	37.635	40.444
24)		Hexachlor...	5.962	6.489	140.4E6	168.7E6	41.759	53.610 #
25)		Oxychlordane	7.451	7.955	128.1E6	145.1E6	41.303	45.381
26)		2,4'-DDE	7.524	8.160	86900493	108.5E6	37.585	47.740 #
27)		trans-Non...	7.708	8.230	145.1E6	163.6E6	39.574	45.327
28)		2,4'-DDD	7.900	8.535	71733891	88830745	37.037	46.404 #
29)		2,4'-DDT	8.083	8.759	87306440	100.7E6	36.482	43.639
30)		cis-Nonac...	8.182	8.798	160.4E6	190.5E6	39.409	47.800
31)		Mirex	8.859	9.727	97678772	99408812	40.322	46.633
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:07
Operator : MJB
Sample : 0C16047-CALG
Misc : A19J408, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:10:29 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:03:35 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:24
Operator : MJB
Sample : 0C16047-CALH
Misc : A19J409, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:14:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

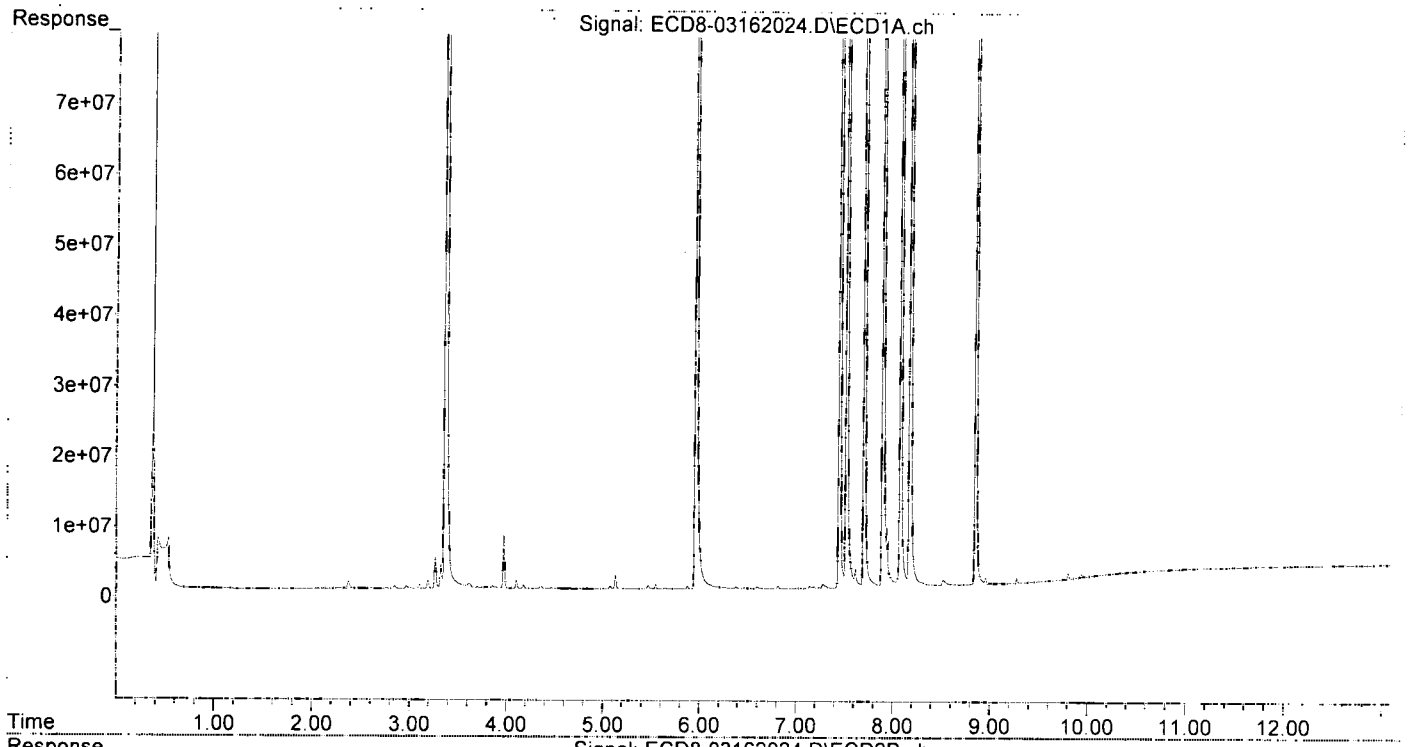
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d	
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d	
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d	
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d	
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d	
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d	
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d	
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d	
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d	
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d	
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d	
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d	
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d	
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d	
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d	
23)		Hexachlor...	3.370	3.723	373.4E6	507.7E6	95.779	104.861	
24)		Hexachlor...	5.961	6.489	318.2E6	398.3E6	94.669	115.006	
25)		Oxychlordane	7.451	7.955	294.1E6	352.3E6	94.290	110.148	
26)		2,4'-DDE	7.523	8.159	201.9E6	262.0E6	87.316	115.244	#
27)		trans-Non...	7.707	8.228	333.5E6	393.0E6	90.972	108.882	
28)		2,4'-DDD	7.899	8.534	161.8E6	207.7E6	83.557	108.499	#
29)		2,4'-DDT	8.082	8.759	203.8E6	242.6E6	85.180	96.261	
30)		cis-Nonac...	8.181	8.798	369.4E6	458.0E6	90.762	114.927	#
31)		Mirex	8.858	9.726	225.0E6	232.2E6	93.751	105.943	
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	

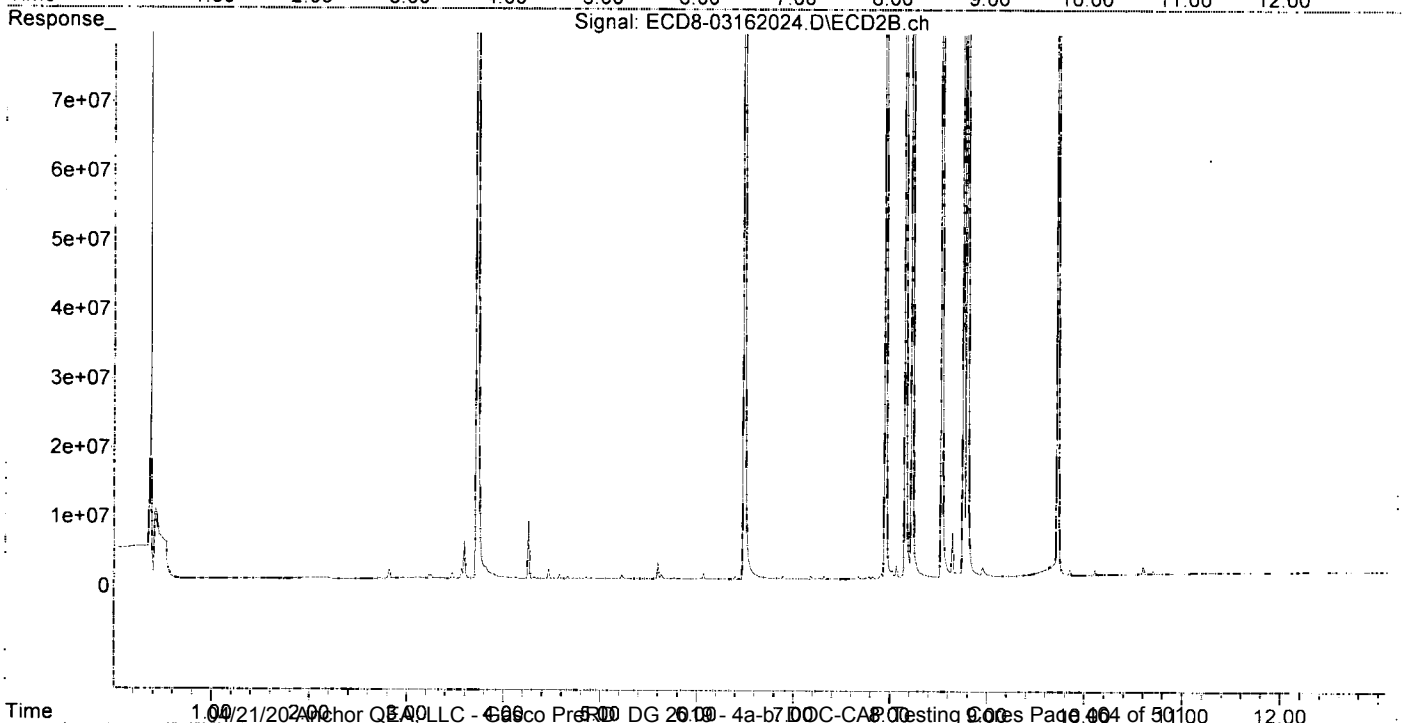
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:24
Operator : MJB
Sample : 0C16047-CALH
Misc : A19J409, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:14:55 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:40
Operator : MJB
Sample : 0C16047-CALI
Misc : A19K262, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:15:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

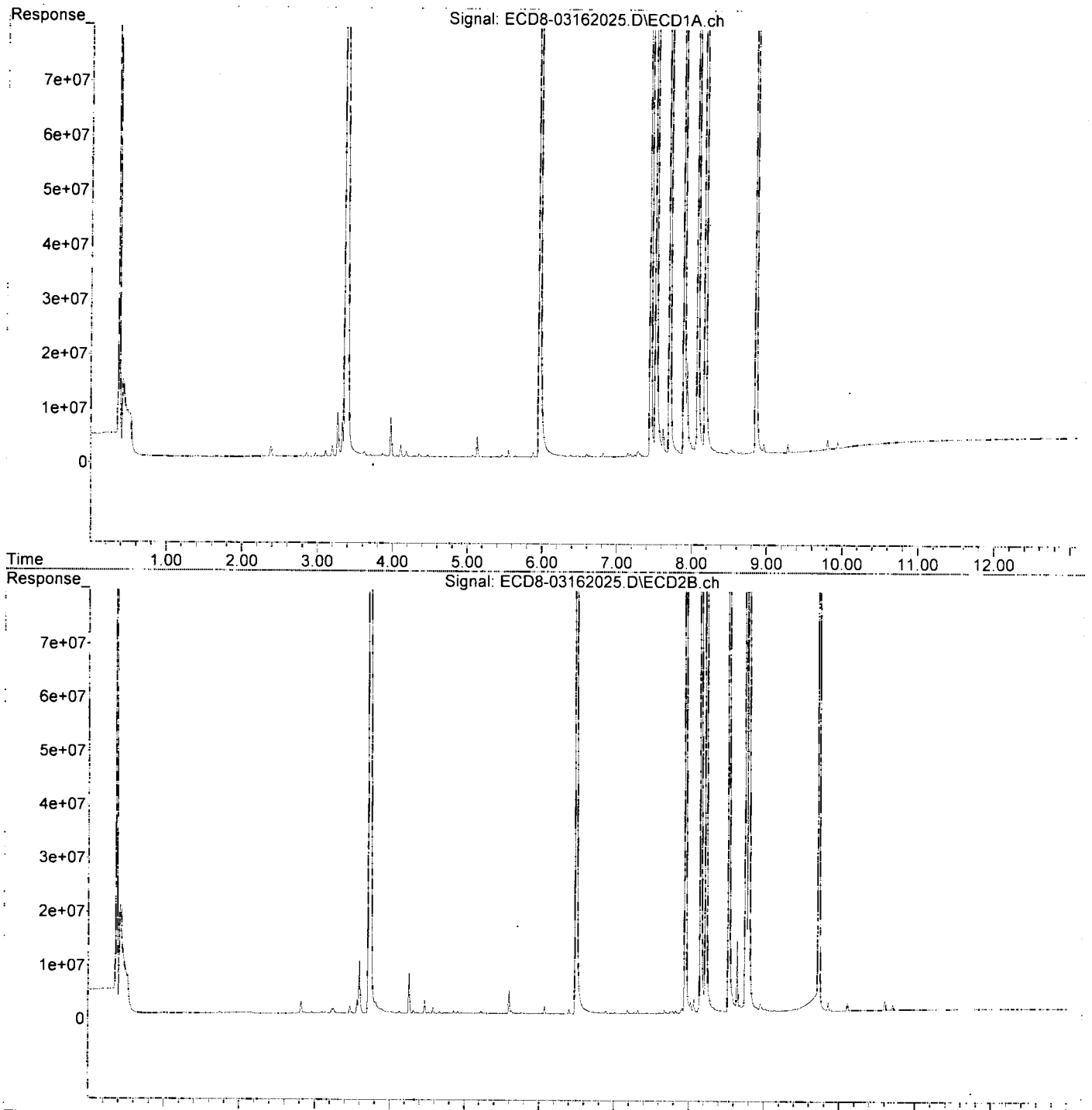
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d	
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d	
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d	
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d	
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d	
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d	
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d	
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d	
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d	
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d	
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d	
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d	
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d	
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d	
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d	
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d	
23)		Hexachlor...	3.371	3.724	738.5E6	1024.8E6	189.461	211.648	
24)		Hexachlor...	5.962	6.490	695.5E6	908.0E6	206.886	225.161	
25)		Oxychlordane	7.451	7.954	643.9E6	761.6E6	203.334	238.150	
26)		2,4'-DDE	7.522	8.159	427.6E6	585.9E6	184.939	257.767	#
27)		trans-Non...	7.706	8.229	710.3E6	859.8E6	193.753	238.199	
28)		2,4'-DDD	7.897	8.533	363.8E6	464.1E6	187.848	242.418	#
29)		2,4'-DDT	8.081	8.759	440.0E6	537.9E6	183.865	186.397	
30)		cis-Nonac...	8.181	8.798	799.4E6	1004.3E6	196.438	252.010	#
31)		Mirex	8.858	9.727	480.0E6	530.9E6	202.992	228.318	
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 18:40
Operator : MJB
Sample : 0C16047-CALI
Misc : A19K262, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:15:27 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:30
Operator : MJB
Sample : 0C16047-CALJ
Misc : A20C232, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:17:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

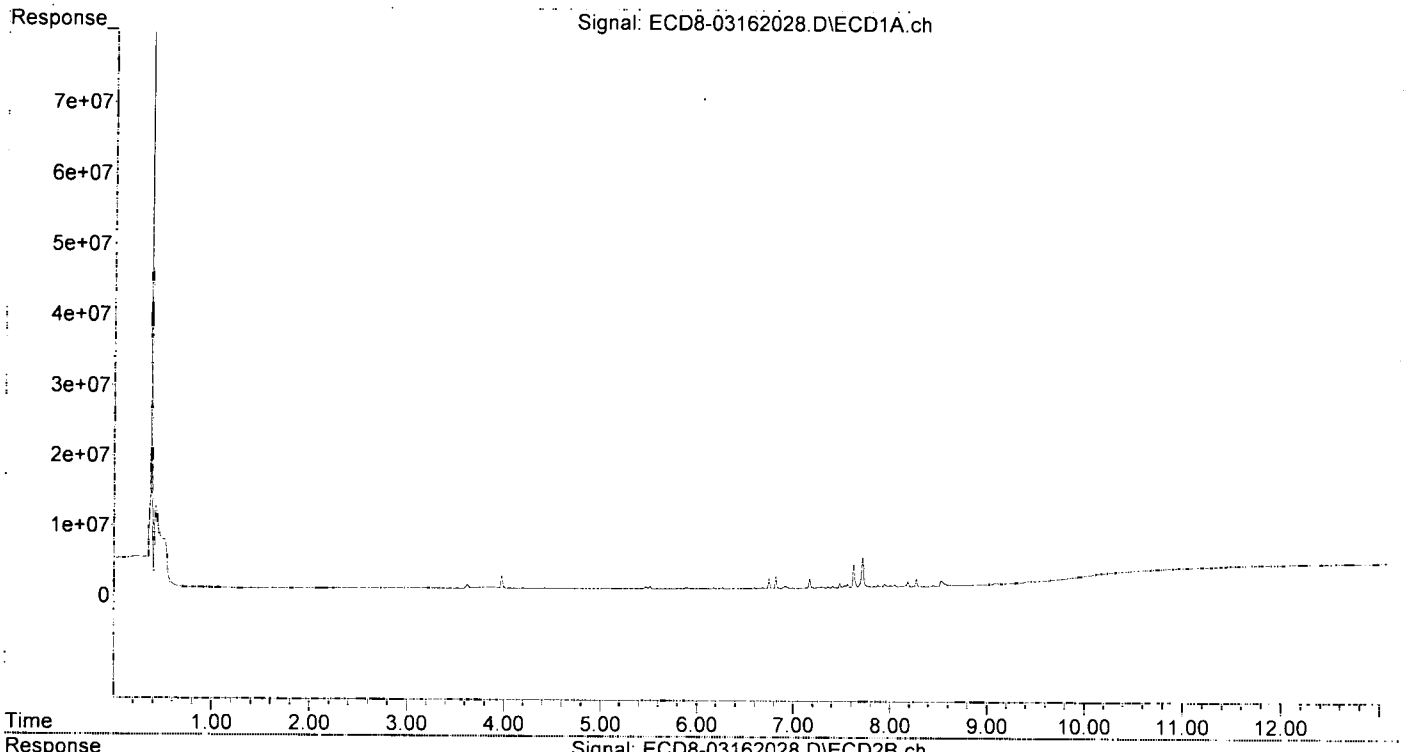
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.622	8.168	3329191	4140965	8.313	9.531
33)	Chlordane...	7.716	8.275	4271808	3734582	8.784	10.272
34)	Chlordane...	8.270	8.943	1163576	1409064	8.937	11.865 #
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

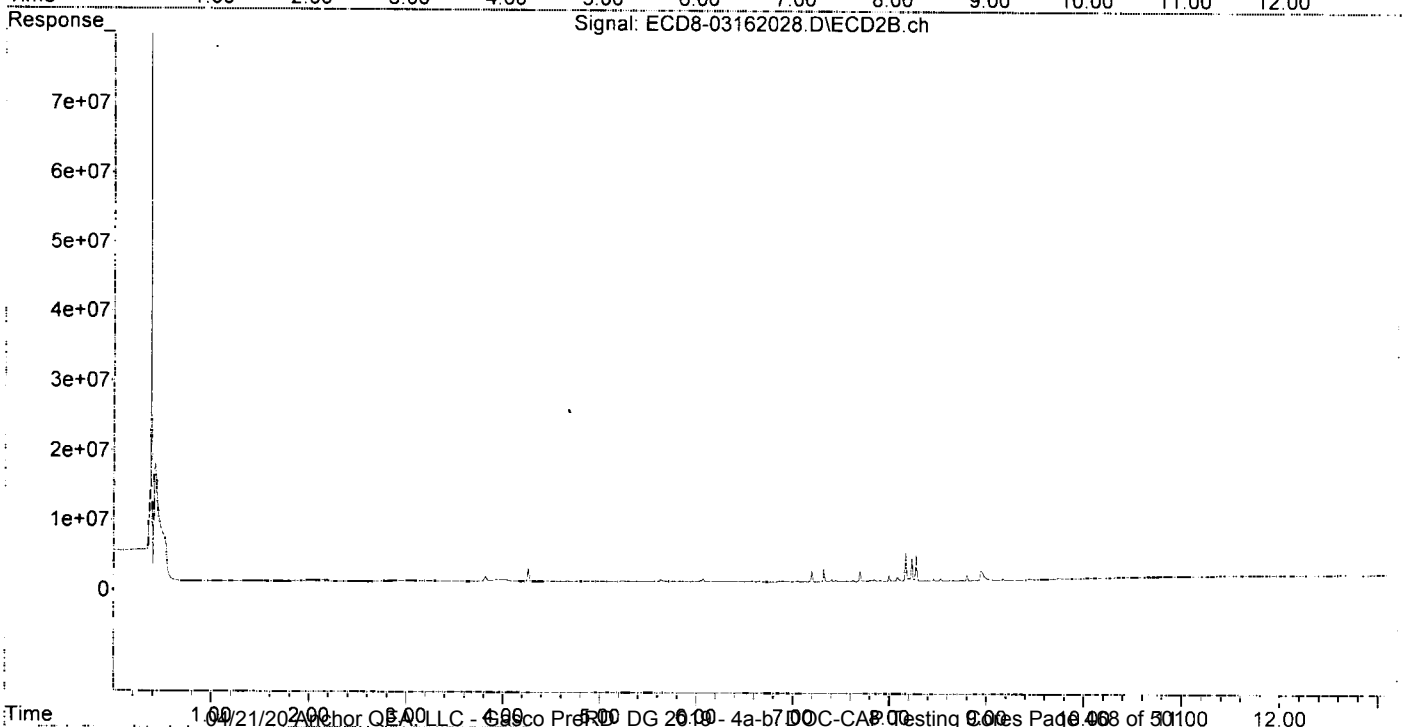
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:30
Operator : MJB
Sample : 0C16047-CALJ
Misc : A20C232, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:17:58 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:47
Operator : MJB
Sample : 0C16047-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:18:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

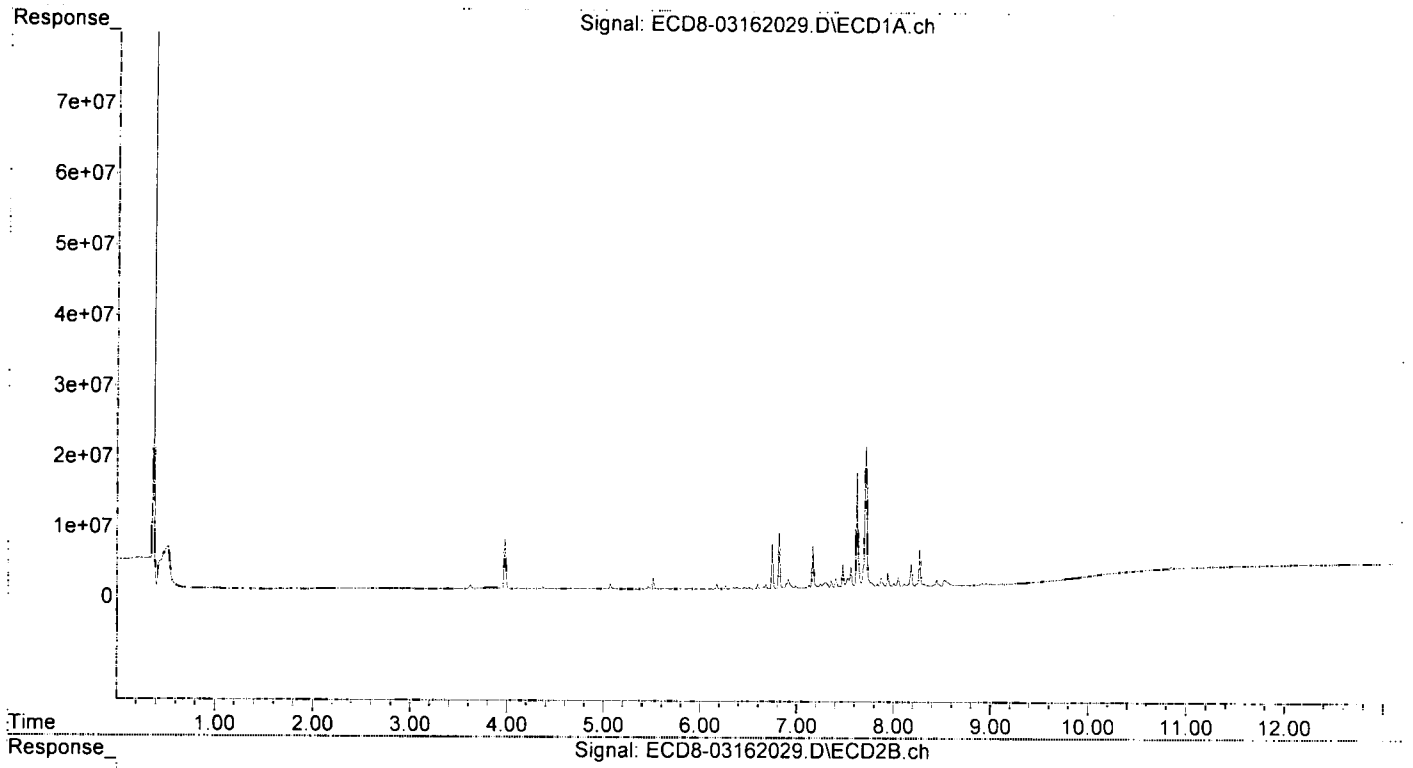
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	7.622	8.168	16395838	19819592	40.940	45.617
33)		Chlordane...	7.715	8.275	20148285	17681129	41.429	48.634
34)		Chlordane...	8.270	8.941	5337472	5567784	40.995	46.884
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

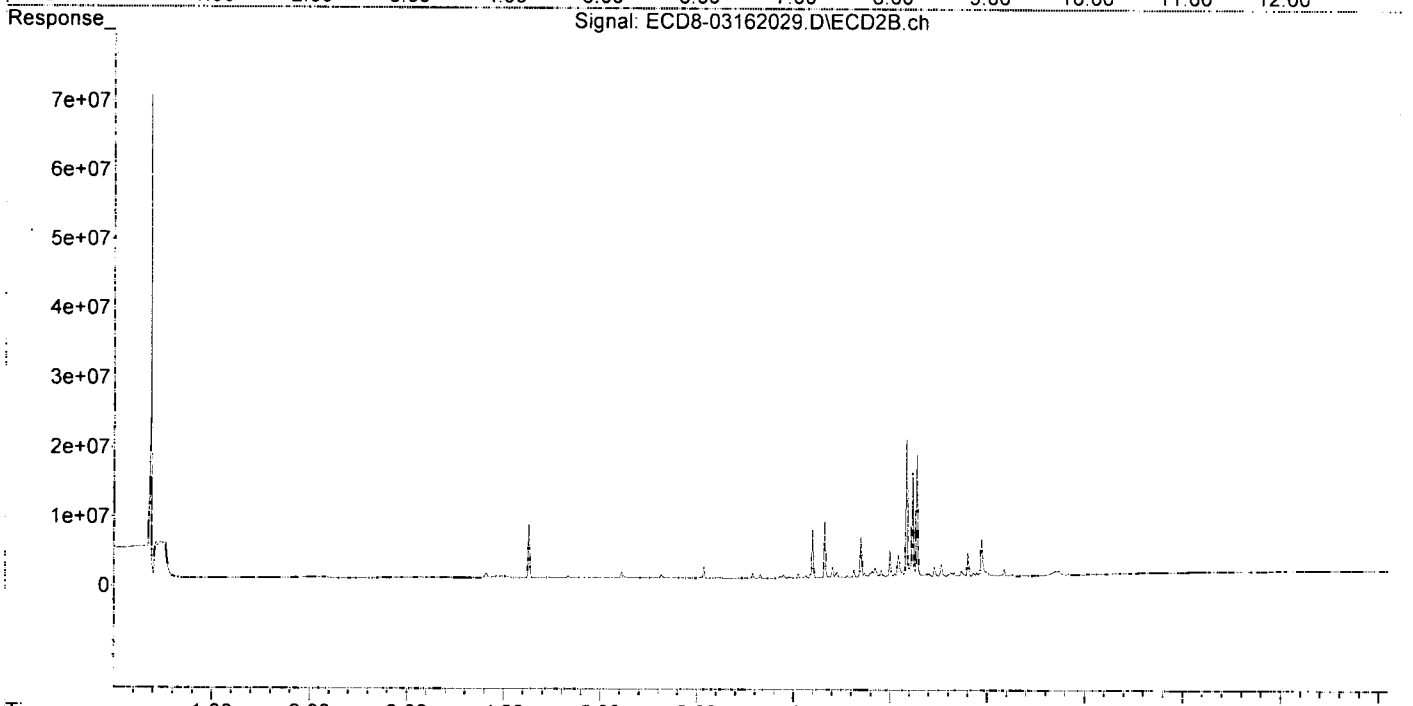
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162029.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 19:47
Operator : MJB
Sample : 0C16047-CALK
Misc : A19K307, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:18:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:03
Operator : MJB
Sample : 0C16047-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:19:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

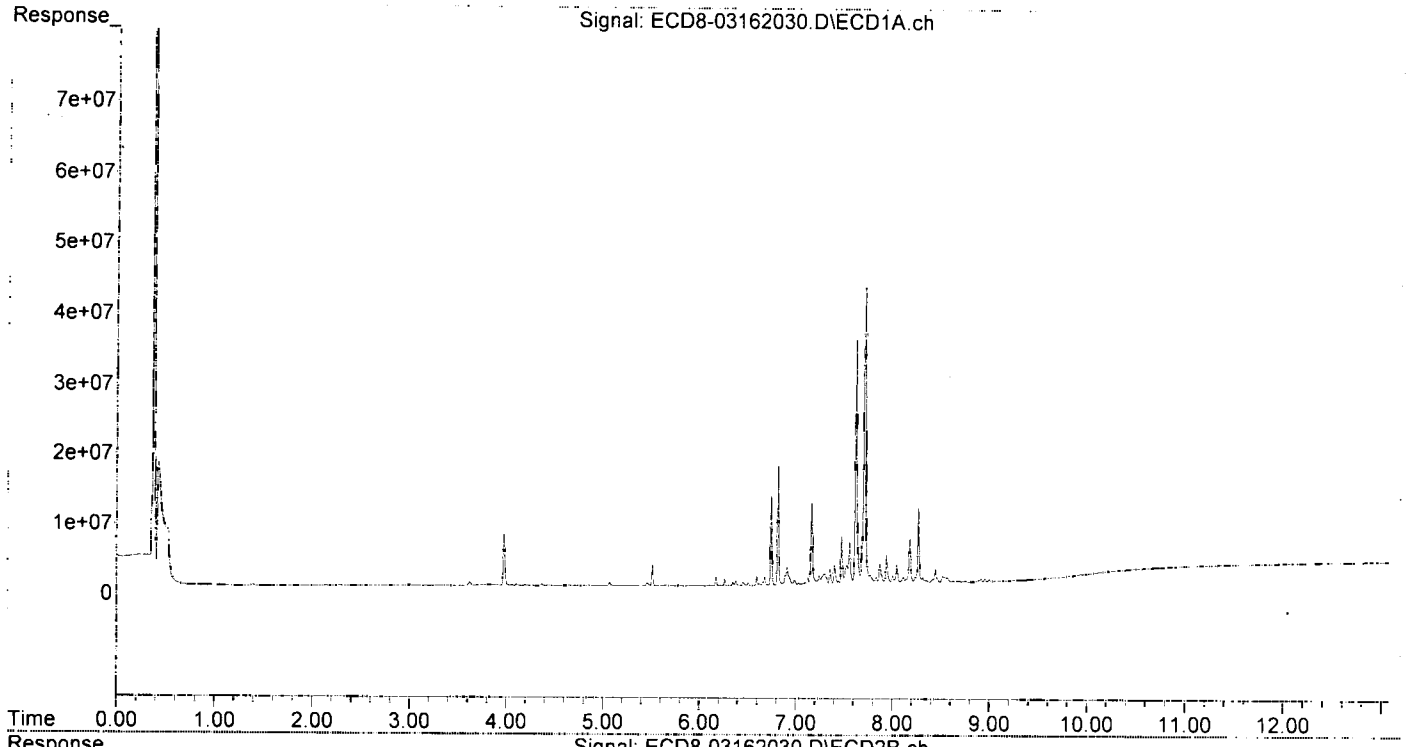
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	7.621	8.166	34967372	42602354	87.314	98.055
33)		Chlordane...	7.713	8.274	42279376	36681183	86.936	100.896
34)		Chlordane...	8.269	8.940	10786921	11108996	82.850	93.545
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

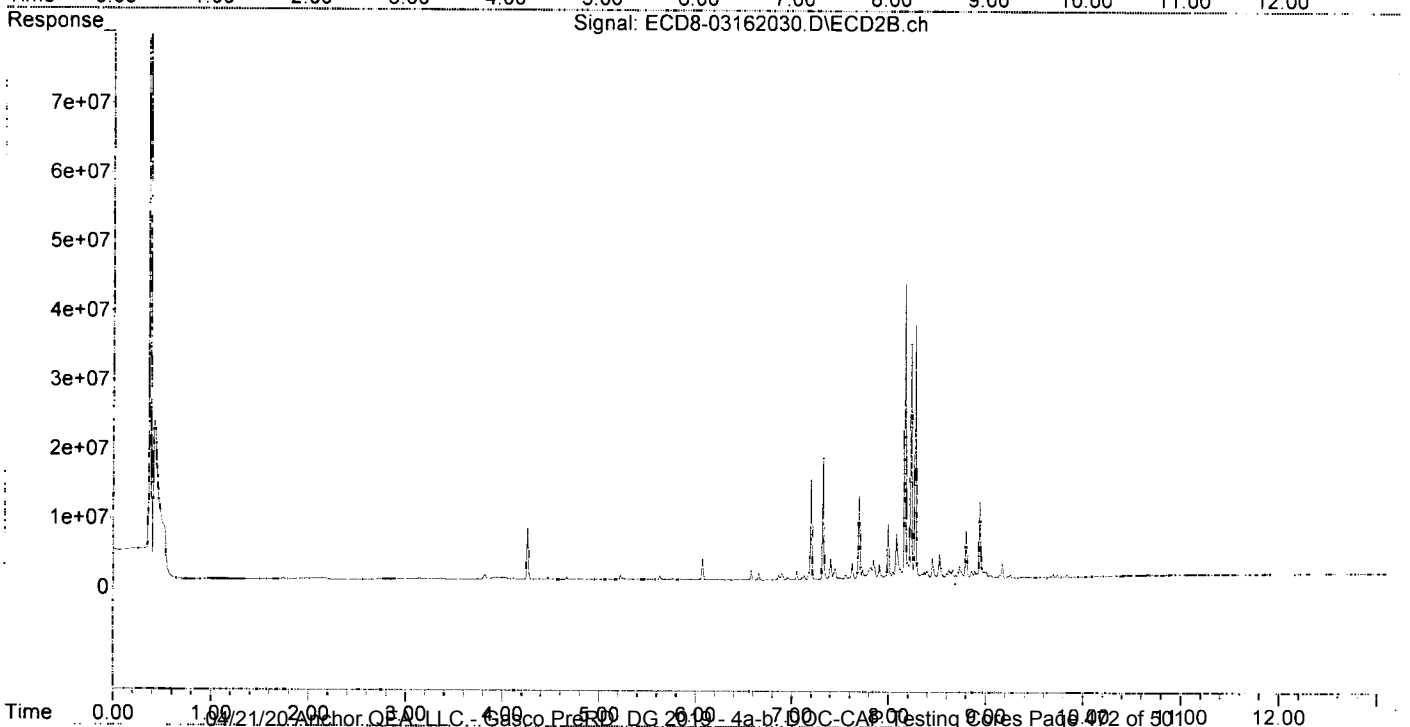
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162030.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:03
Operator : MJB
Sample : 0C16047-CALL
Misc : A19K308, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:19:08 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:20
Operator : MJB
Sample : 0C16047-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:19:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

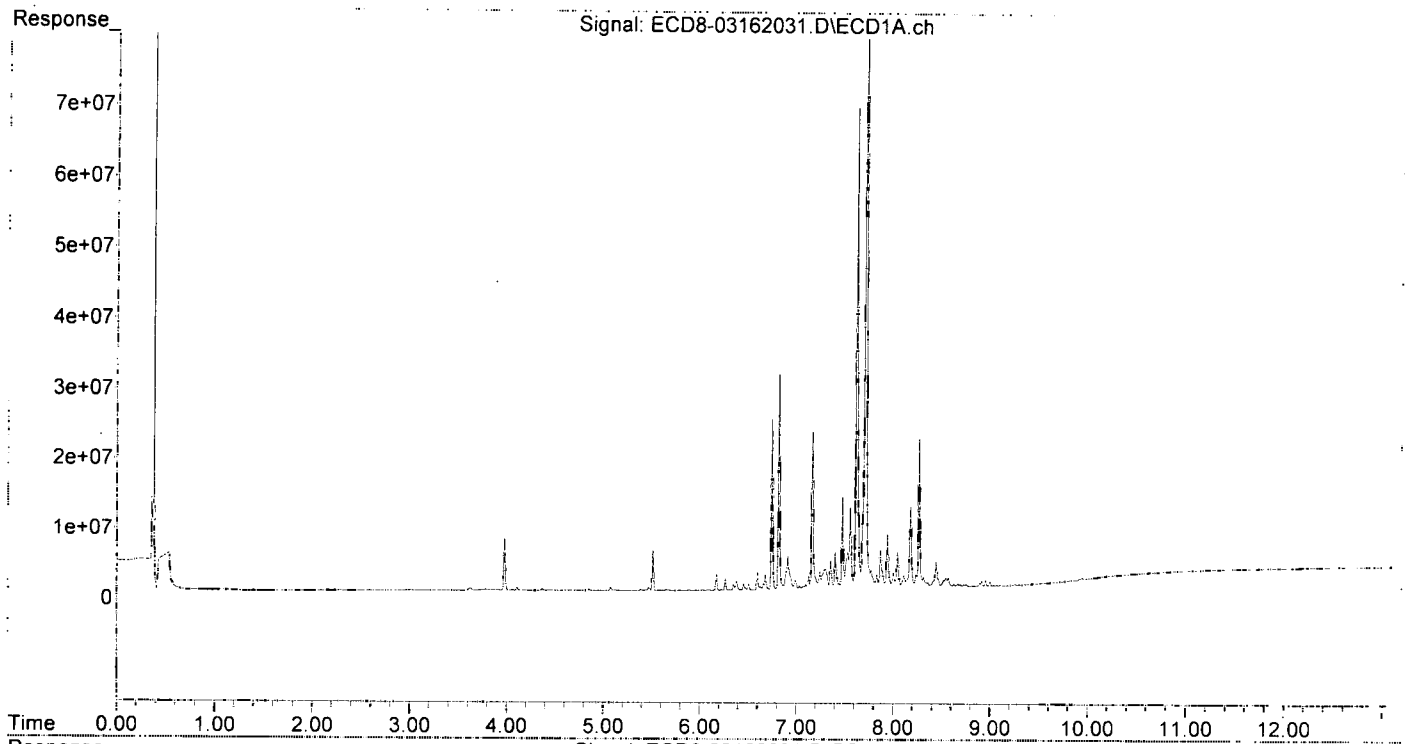
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	7.621	8.167	68352561	83334086	170.677	191.804
33)		Chlordane...	7.714	8.275	80379948	71022290	165.279	195.355
34)		Chlordane...	8.269	8.940	21205536	20651993	162.872	173.904
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

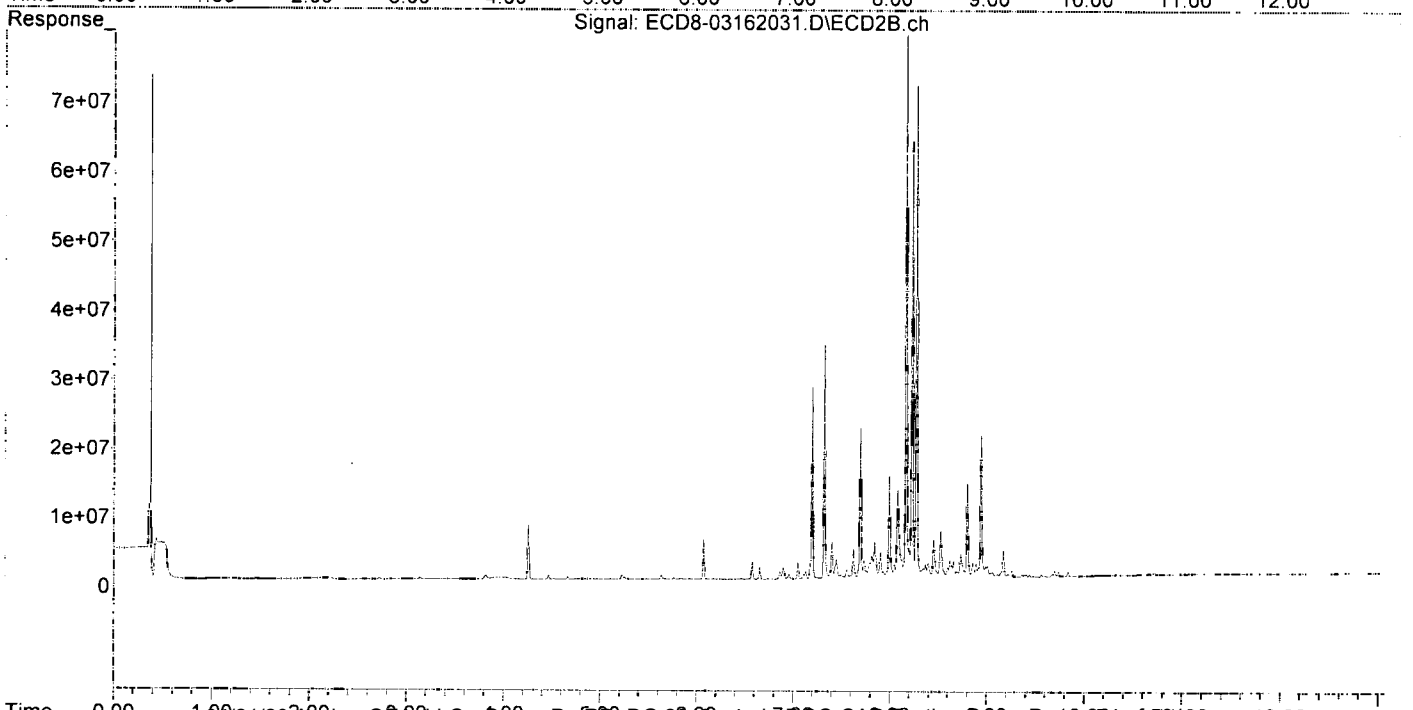
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162031.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:20
Operator : MJB
Sample : 0C16047-CALM
Misc : A19K309, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:19:38 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:36
Operator : MJB
Sample : 0C16047-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:16:59 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

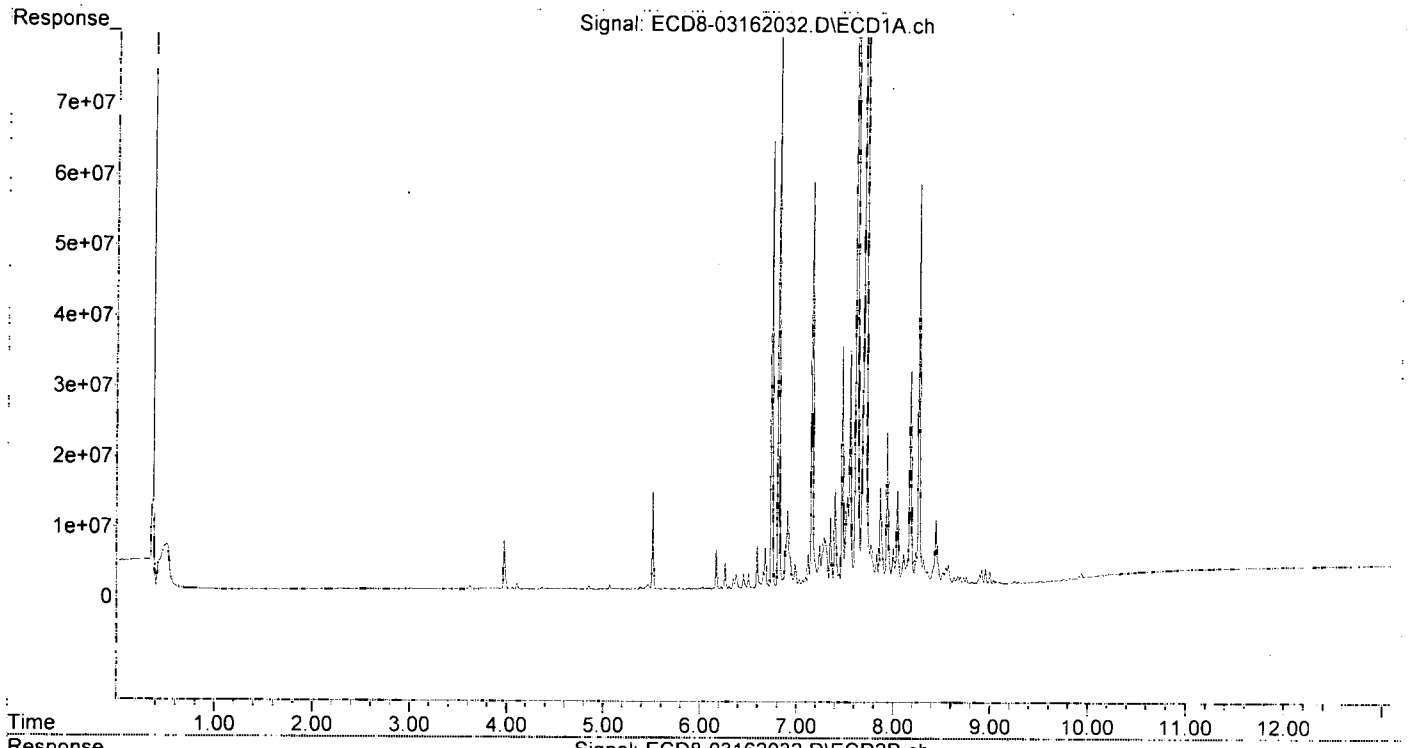
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	7.620	8.166	173.2E6	231.7E6	432.510	533.320
33)		Chlordane...	7.714	8.274	208.9E6	197.1E6	429.456	542.081 #
34)		Chlordane...	8.269	8.940	57227293	56878133	439.542	478.952
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

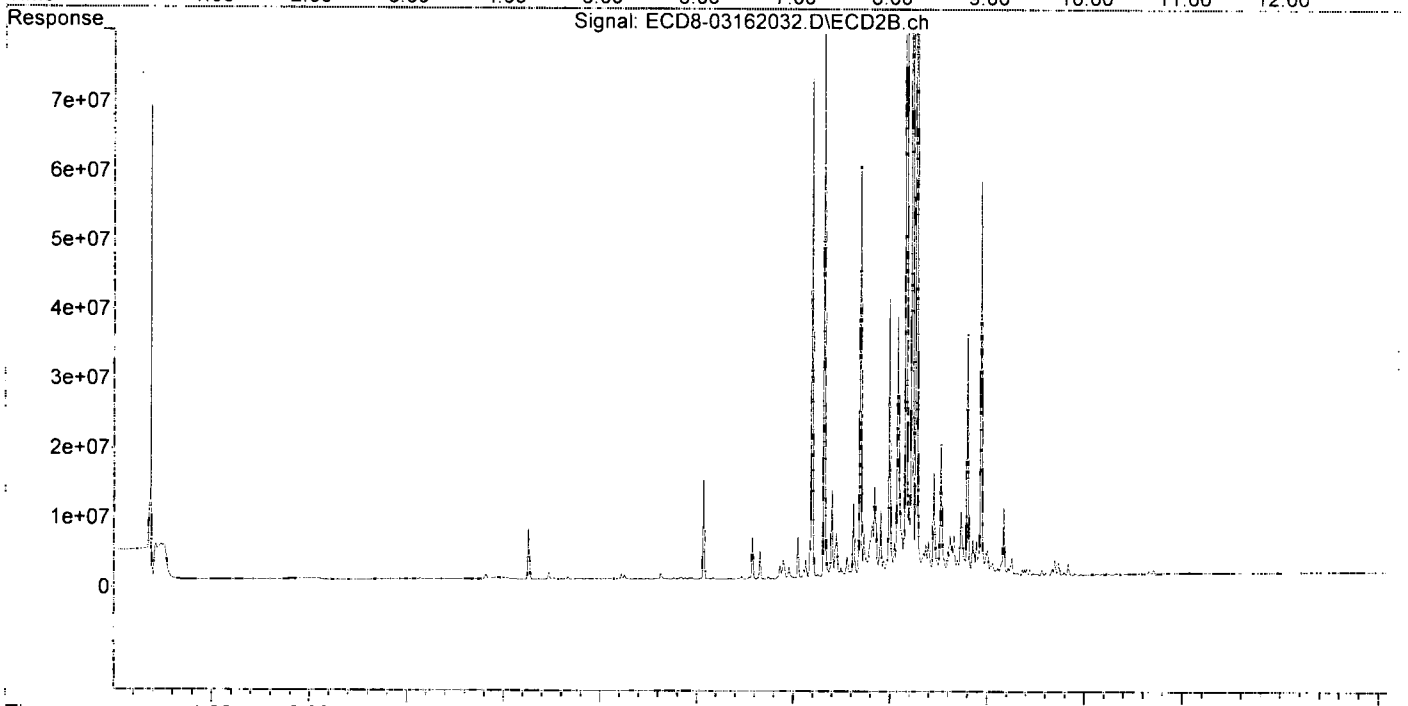
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162032.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:36
Operator : MJB
Sample : 0C16047-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:16:59 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:11:04 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:53
Operator : MJB
Sample : 0C16047-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:20:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

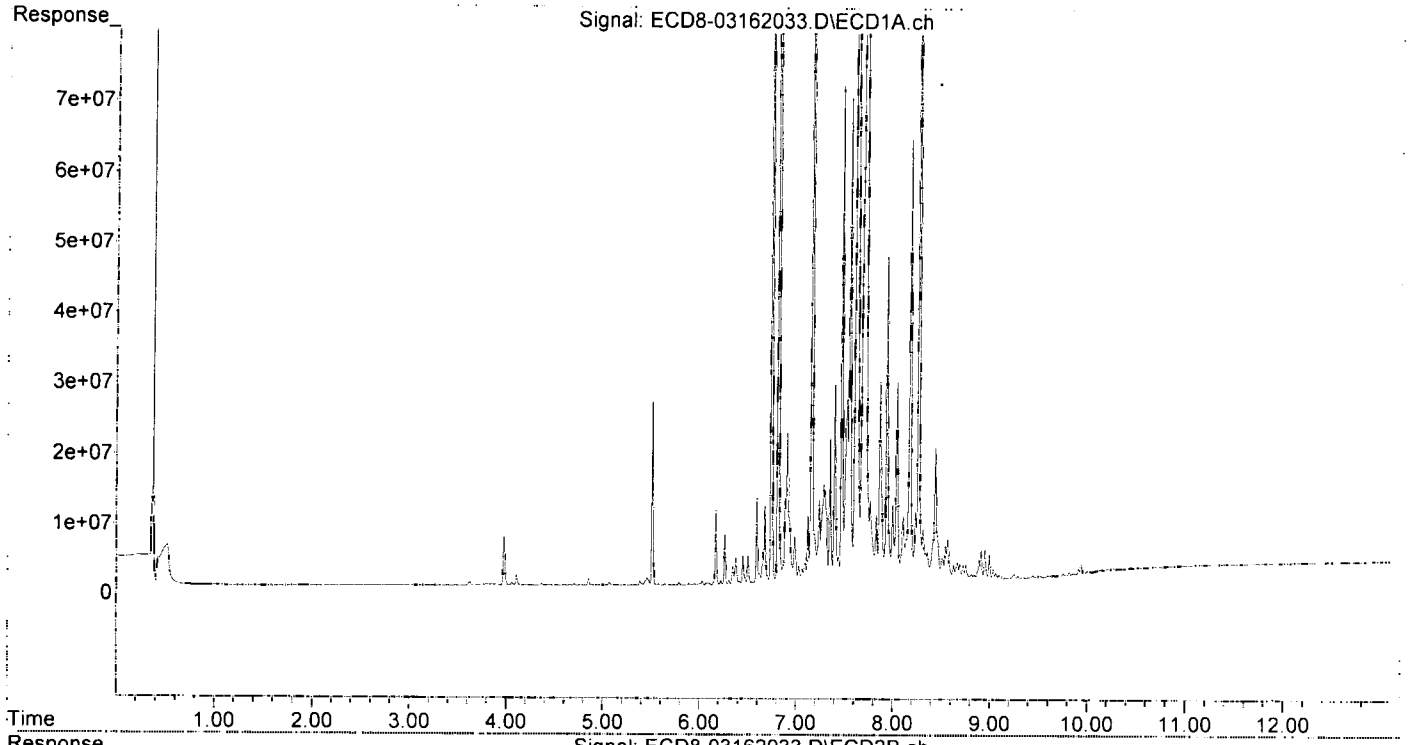
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	7.619	8.166	352.3E6	471.7E6	879.572	1085.671
33)		Chlordane...	7.714	8.274	422.6E6	399.5E6	869.005	1098.784 #
34)		Chlordane...	8.268	8.940	116.5E6	121.5E6	894.822	1023.267
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

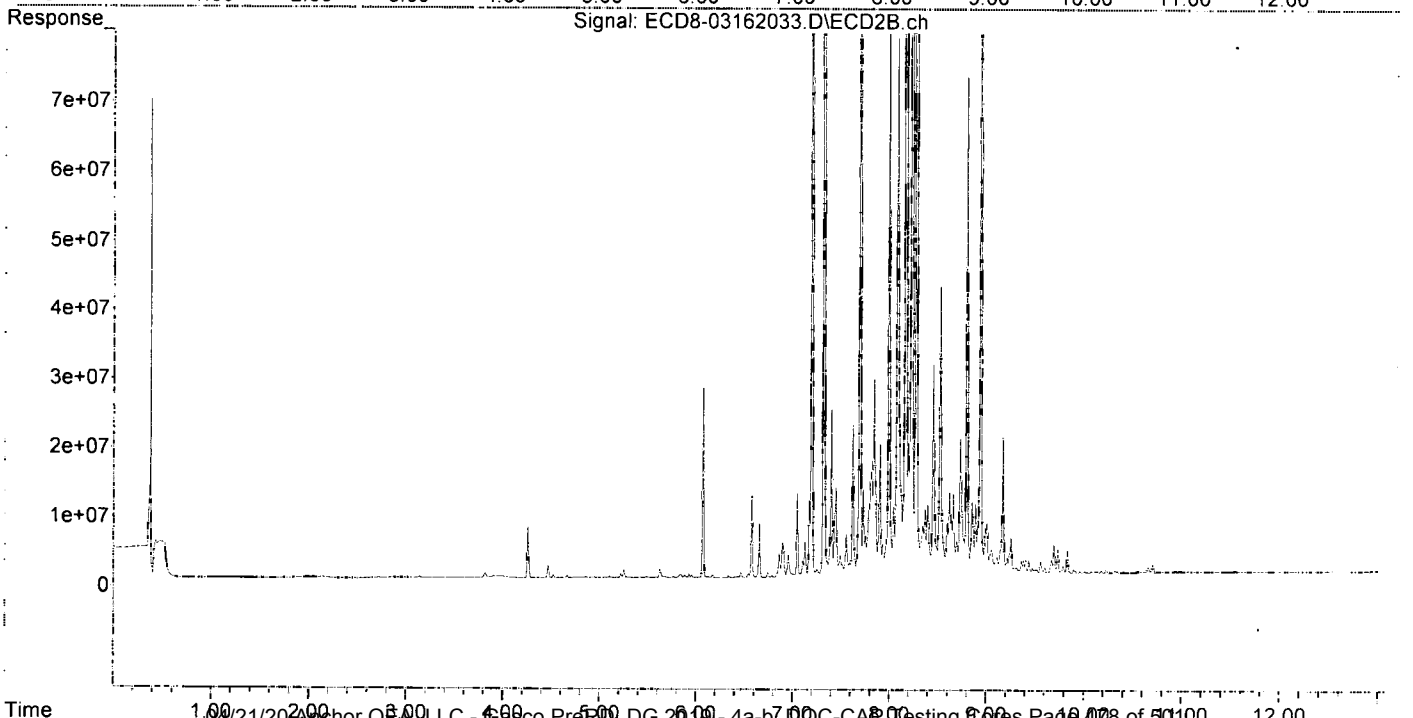
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162033.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 20:53
Operator : MJB
Sample : 0C16047-CALO
Misc : A19K311, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:20:10 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:09
Operator : MJB
Sample : 0C16047-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:20:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

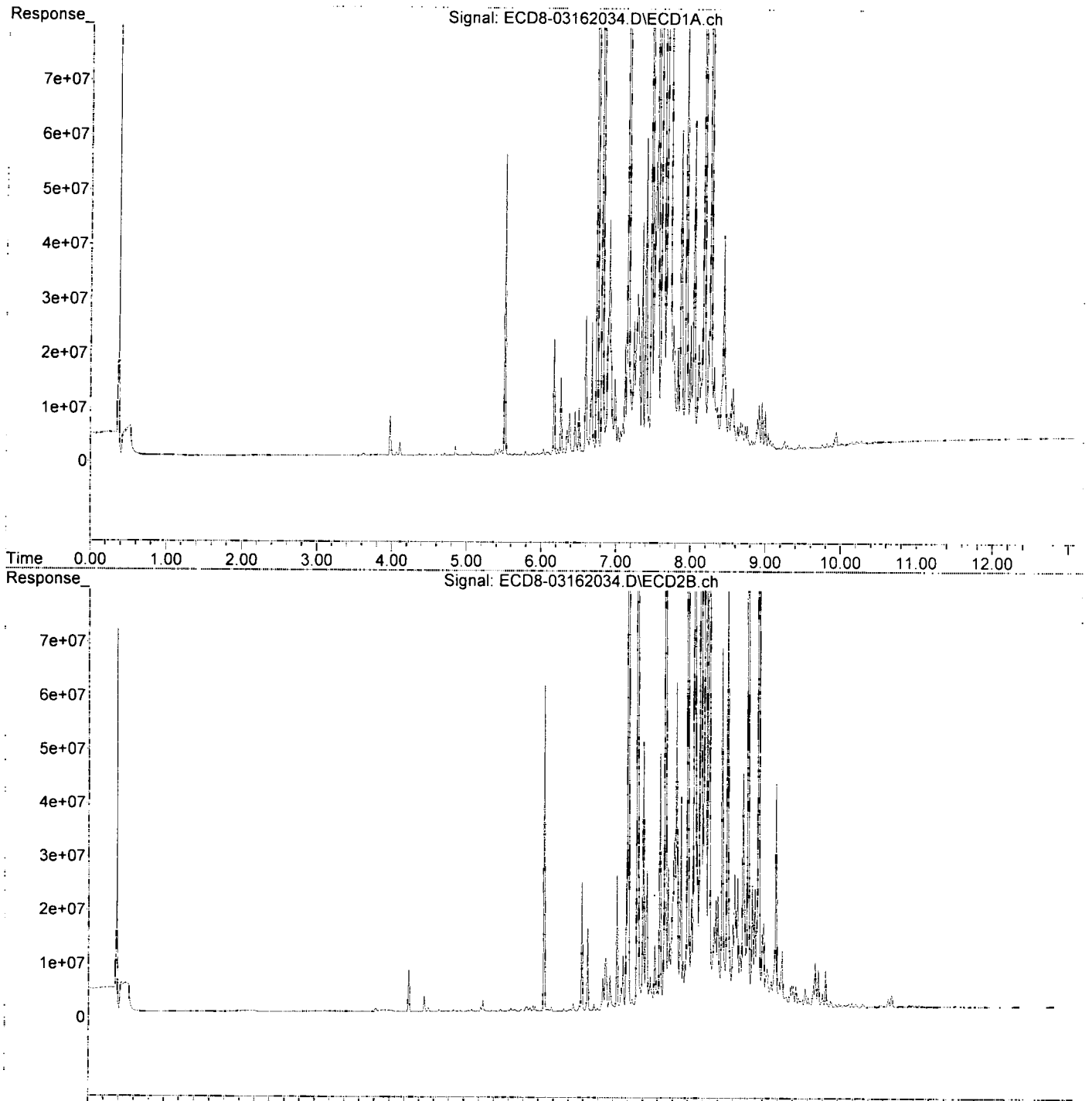
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.618	8.166	752.1E6	1019.4E6	1878.017	2346.365
33)	Chlordane...	7.712	8.274	870.7E6	898.7E6	1790.327	2471.844 #
34)	Chlordane...	8.267	8.938	243.0E6	254.9E6	1866.261	2146.511
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:09
Operator : MJB
Sample : 0C16047-CALP
Misc : A19K306, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:20:42 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:59
Operator : MJB
Sample : 0C16047-CALQ
Misc : A20C233, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:23:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 3/17/20

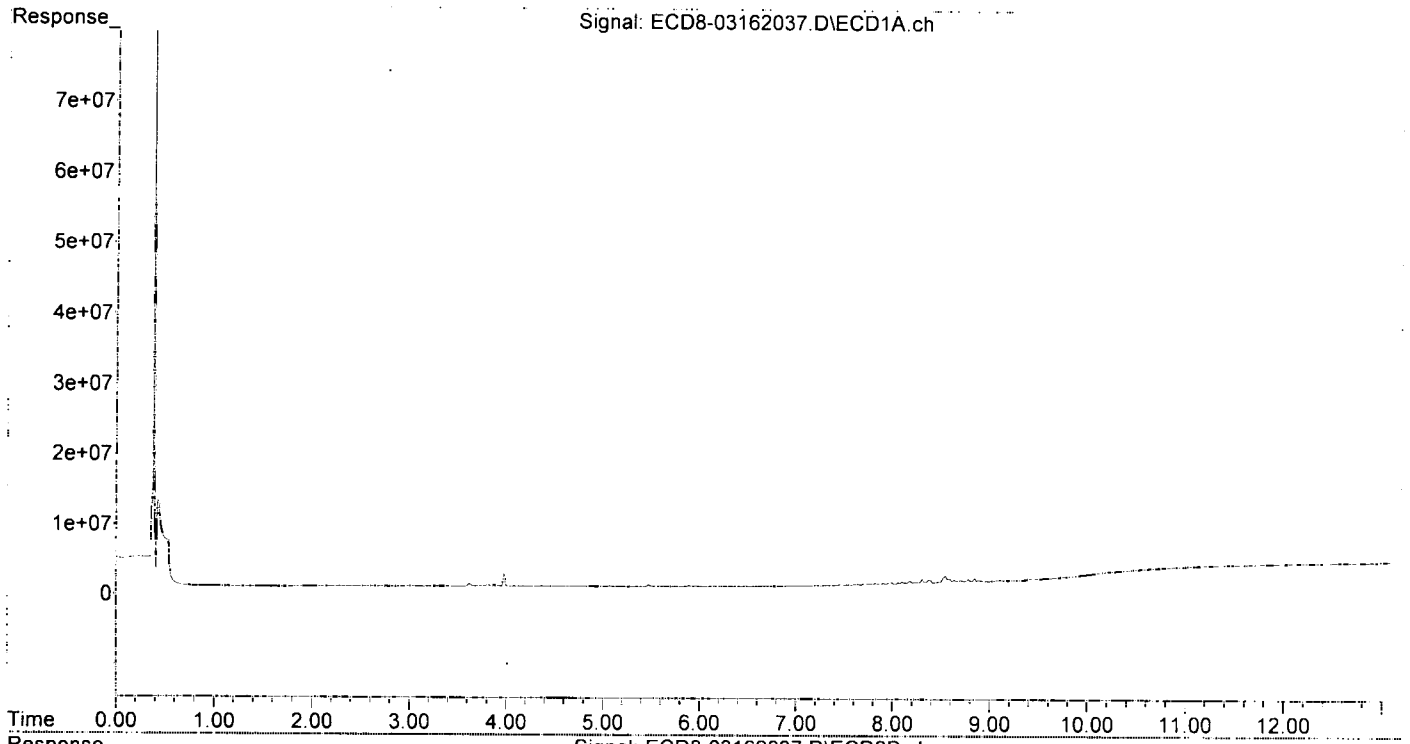
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds					Not used in calc.	
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.697	8.506	114148	331983	6.973	11.266 #
37)	Toxaphene...	7.993	8.853	278871	412705	8.877	10.269
38)	Toxaphene...	8.309	8.890	583372	689828	5.128	10.663 #
39)	Toxaphene...	8.547	8.958	1008912	2078231	8.611	17.405 #
40)	Toxaphene...	8.781	9.135	429605	606504	7.926	10.579 #
41)	Toxaphene...	8.850	9.518	589146	660324	7.746	9.997 #
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

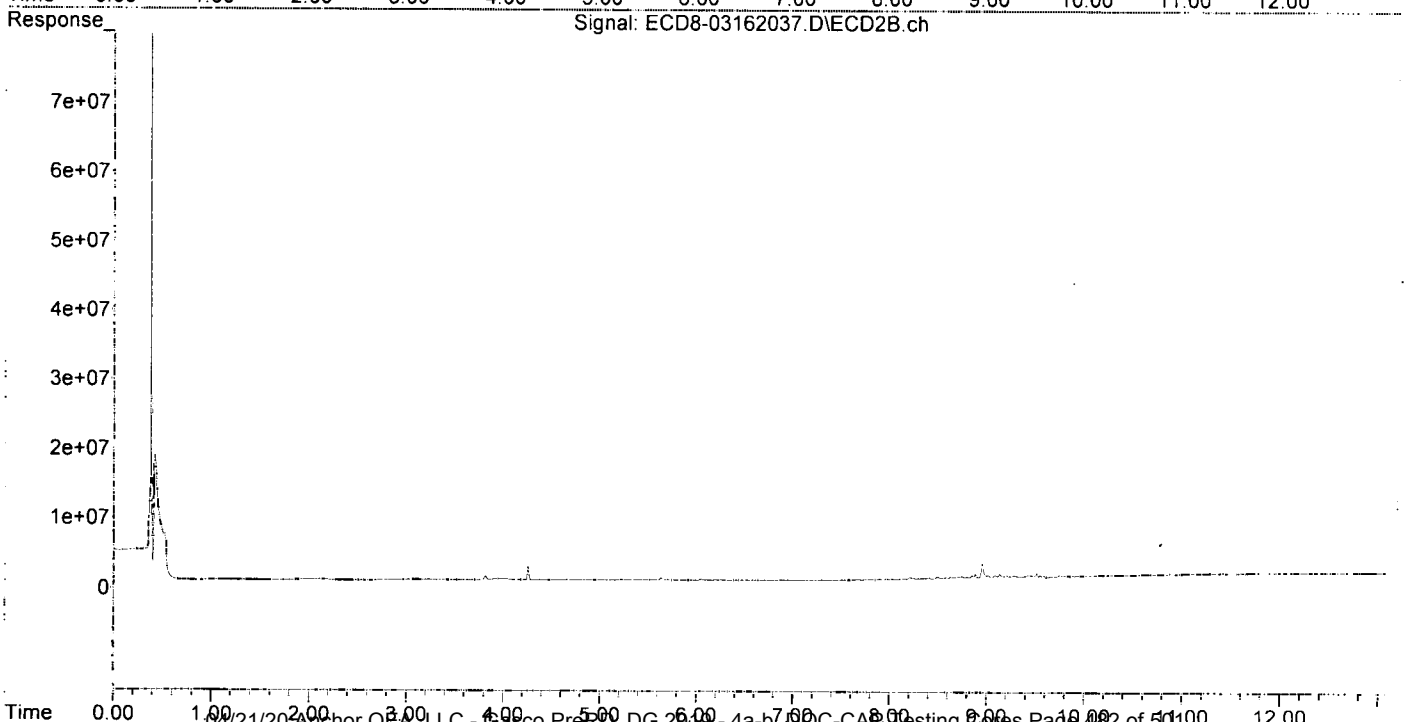
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 21:59
Operator : MJB
Sample : 0C16047-CALQ
Misc : A20C233, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:23:13 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:15
Operator : MJB
Sample : 0C16047-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:24:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

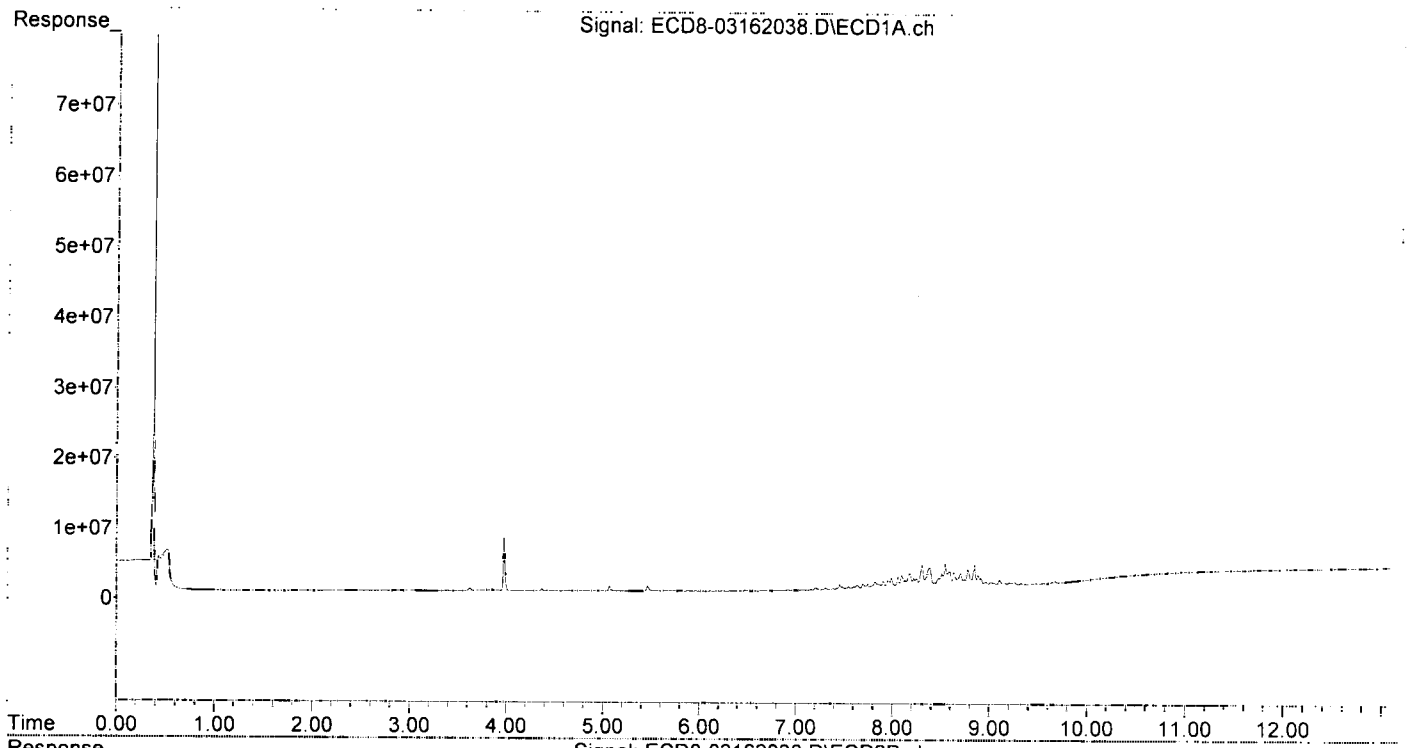
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.695	8.504	687941	1715739	42.026	58.222 #
37)		Toxaphene...	7.990	8.853	1449392	2171985	46.136	54.044
38)		Toxaphene...	8.306	8.889	3196469	3372485	42.266	52.128
39)		Toxaphene...	8.547	8.957	3307268	5942053	44.026	57.365 #
40)		Toxaphene...	8.779	9.134	2425970	2917713	44.758	50.894
41)		Toxaphene...	8.847	9.517	3100626	3110662	40.769	47.093
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

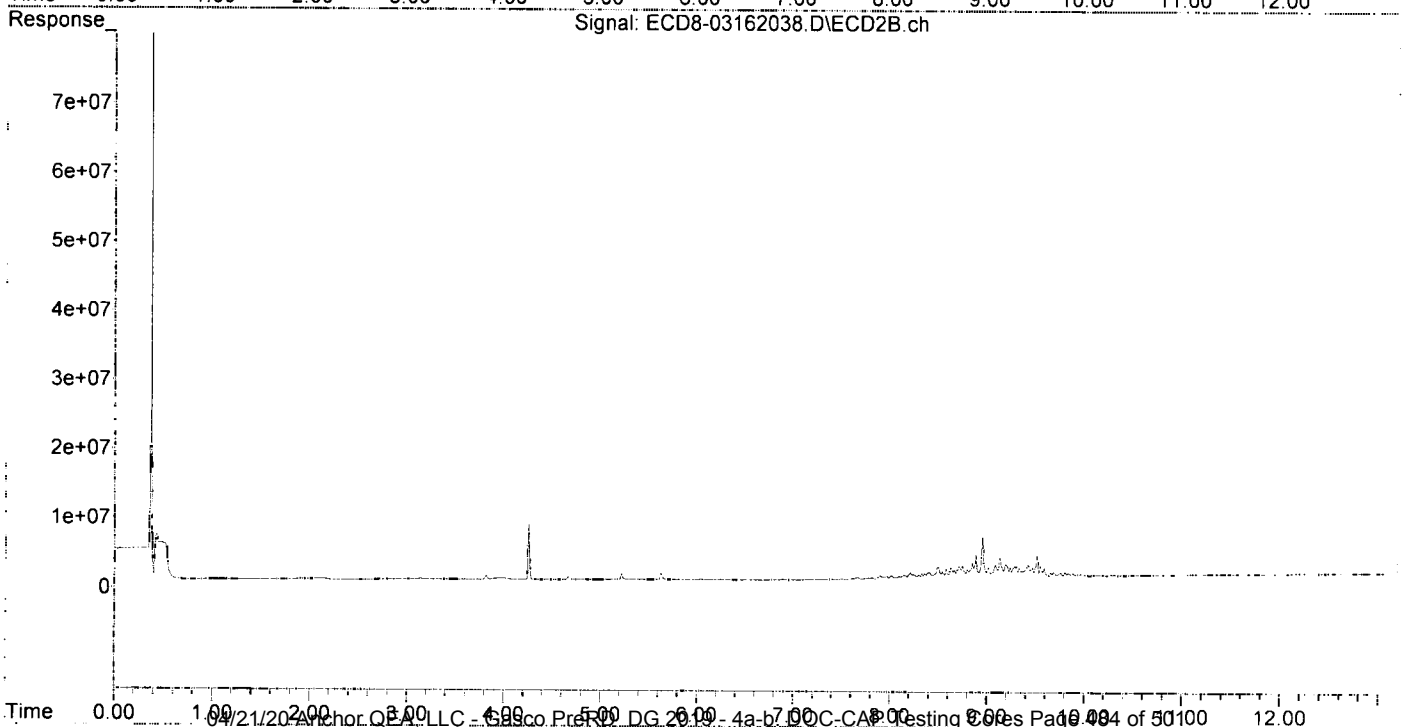
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:15
Operator : MJB
Sample : 0C16047-CALR
Misc : A19J417, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:24:05 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:32
Operator : MJB
Sample : 0C16047-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:24:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

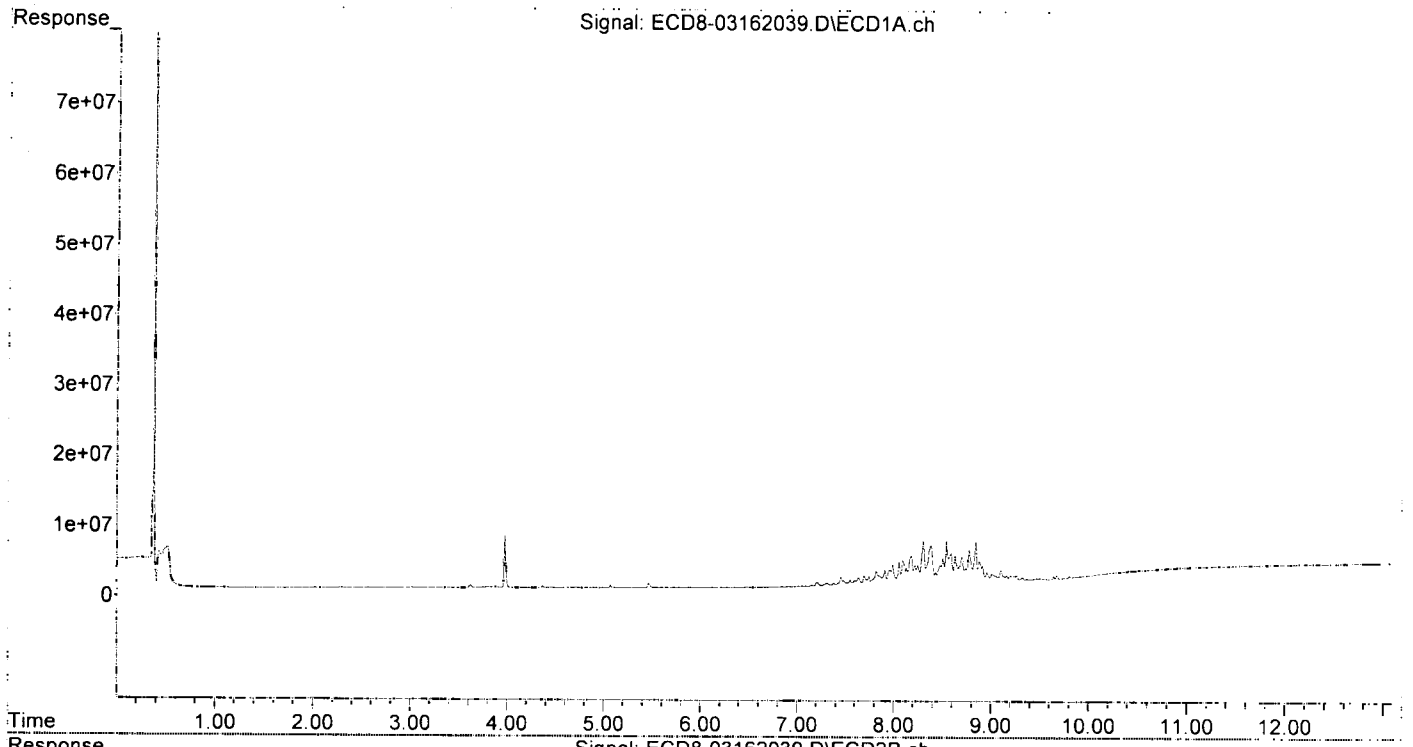
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.694	8.504	1367921	3059375	83.566	103.817
37)		Toxaphene...	7.990	8.852	2762575	3943993	87.937	98.136
38)		Toxaphene...	8.306	8.888	6039456	5860542	82.705	90.585
39)		Toxaphene...	8.547	8.956	5949318	10224863	84.705	101.384
40)		Toxaphene...	8.779	9.133	4536179	5438780	83.690	94.869
41)		Toxaphene...	8.847	9.516	5689673	5773709	74.811	87.409
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

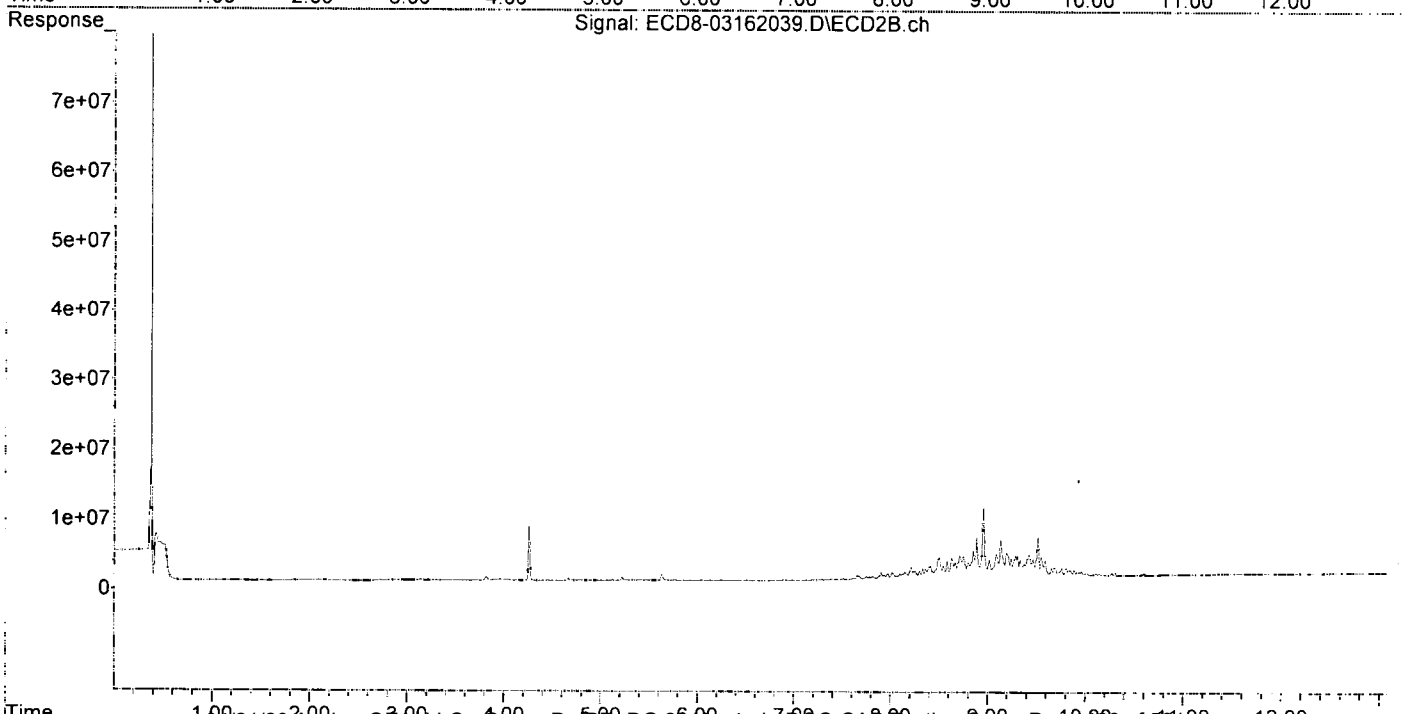
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:32
Operator : MJB
Sample : 0C16047-CALS
Misc : A19J418, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:24:36 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:49
Operator : MJB
Sample : 0C16047-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:25:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation

MB 3/17/20

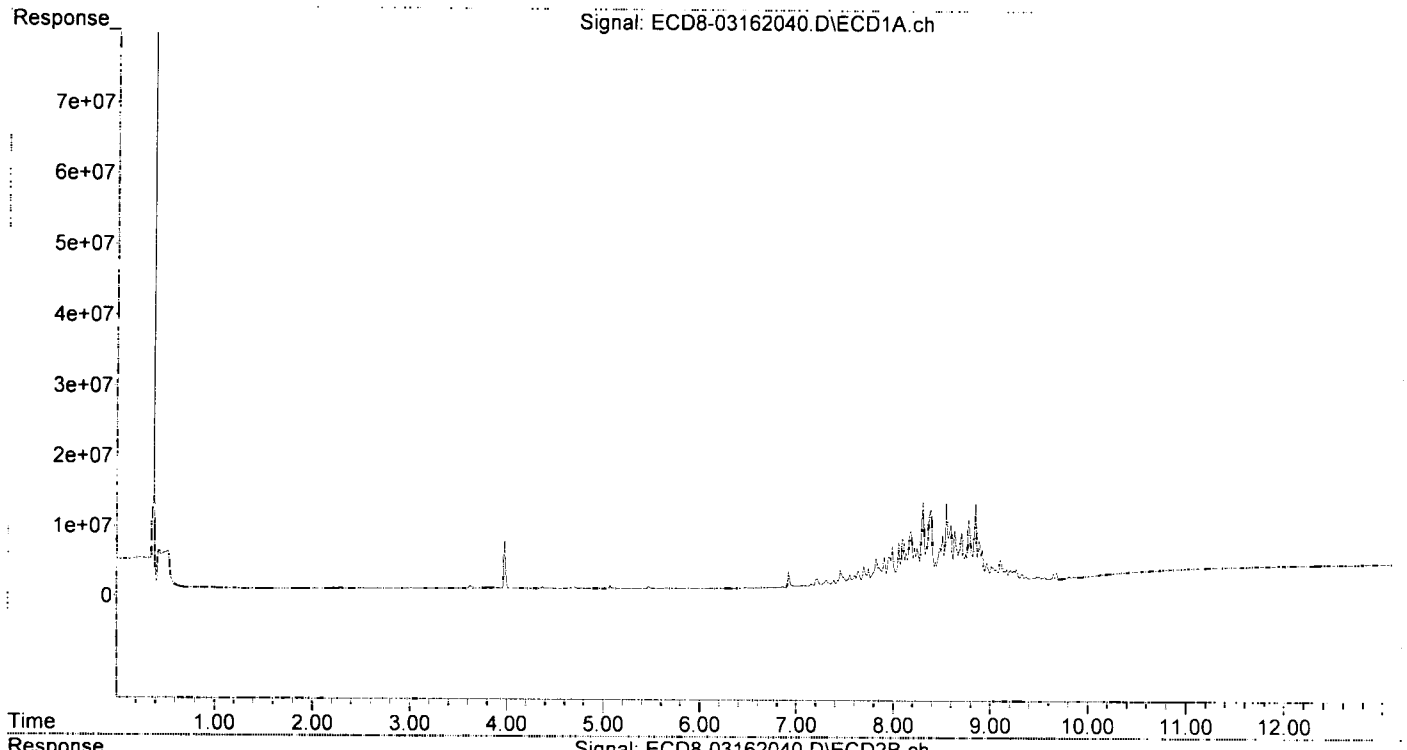
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.693	8.504	2648947	5833961	161.823	197.970
37)		Toxaphene...	7.989	8.852	5344669	7569403	170.129	188.345
38)		Toxaphene...	8.304	8.887	11657174	11686505	162.711	180.636
39)		Toxaphene...	8.546	8.955	11326114	19192629	167.383	192.645
40)		Toxaphene...	8.777	9.133	8915637	10321078	164.488	180.032
41)		Toxaphene...	8.846	9.515	11283115	10964148	148.356	165.988
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

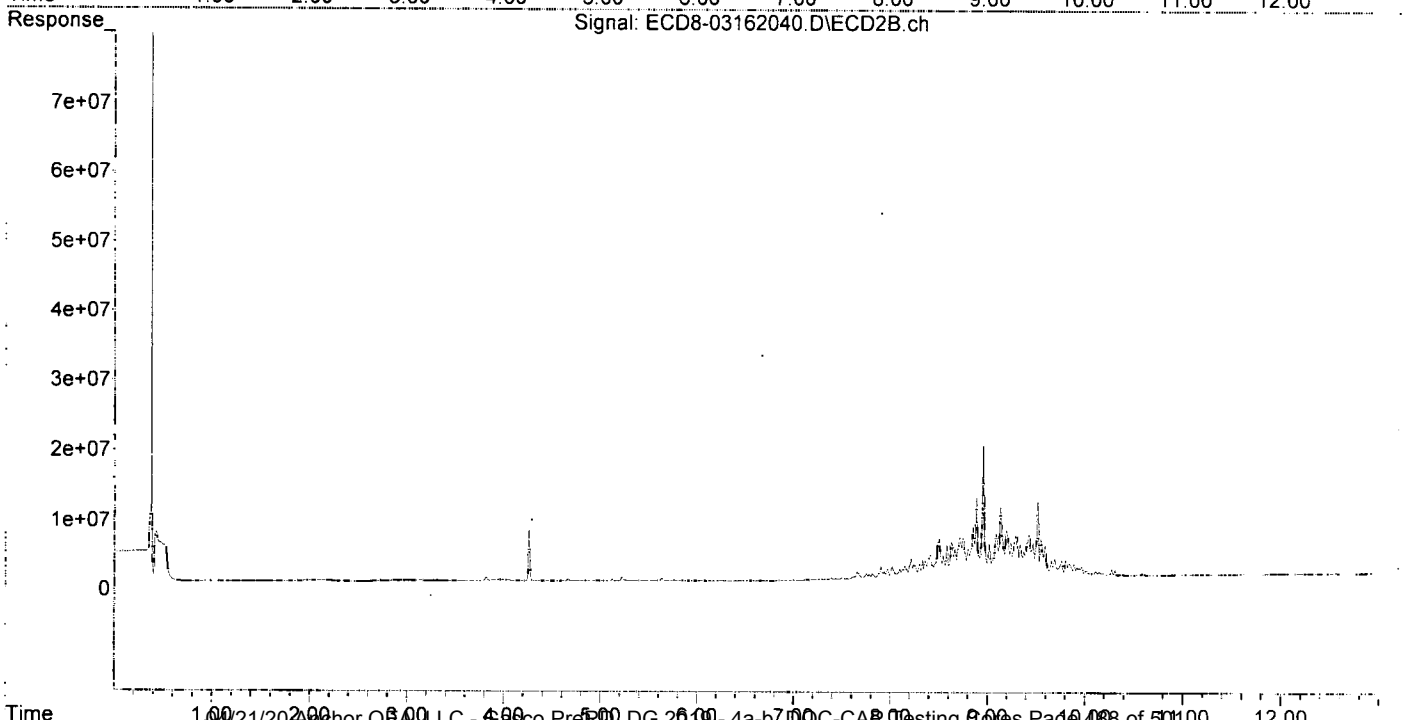
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 22:49
Operator : MJB
Sample : 0C16047-CALT
Misc : A19J419, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:25:16 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:05
Operator : MJB
Sample : 0C16047-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:22:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

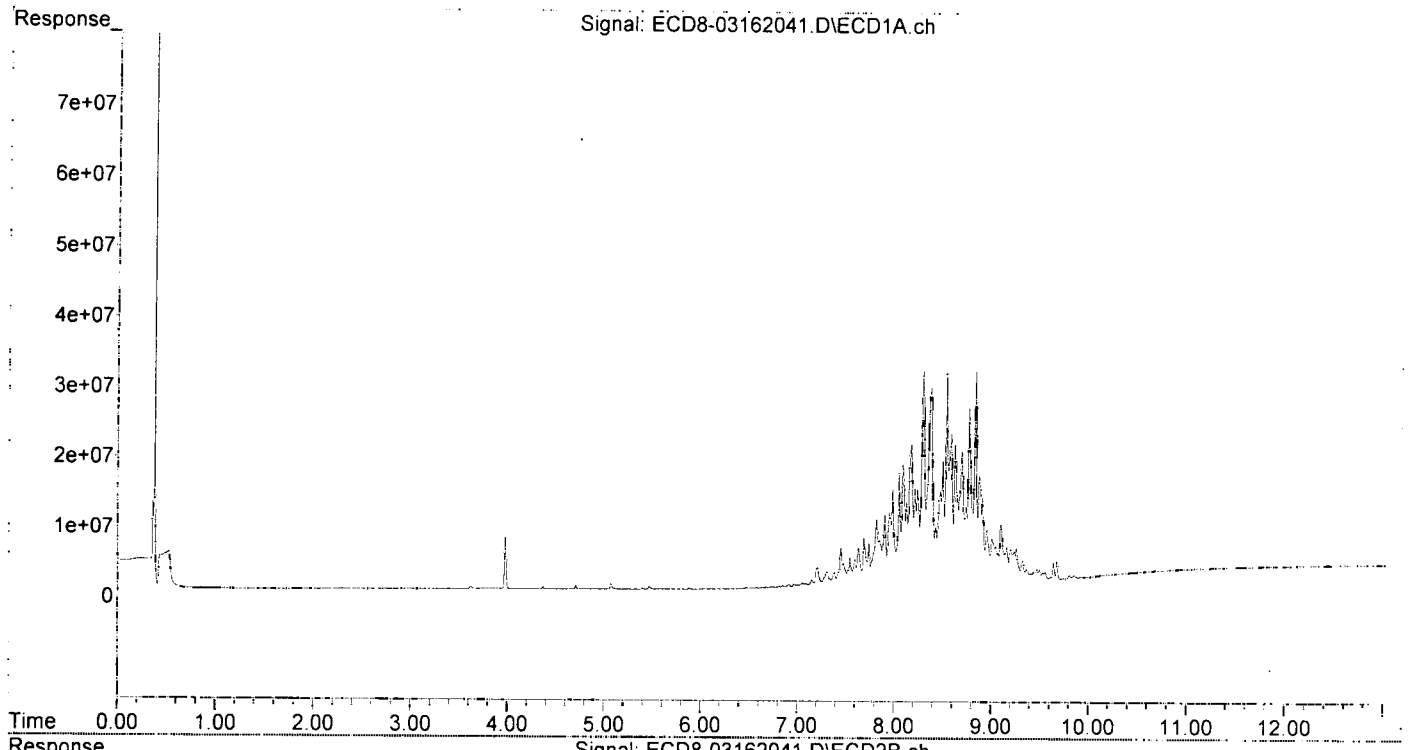
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.692	8.503	6770336	14292622	413.597	485.006
37)		Toxaphene...	7.988	8.851	13639629	19312346	434.170	480.539
38)		Toxaphene...	8.302	8.886	30405601	30430446	430.687	470.357
39)		Toxaphene...	8.544	8.954	29958440	51309093	452.798	510.018
40)		Toxaphene...	8.775	9.131	24958308	27484893	460.465	479.423
41)		Toxaphene...	8.844	9.514	30164214	29044868	396.615	439.715
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

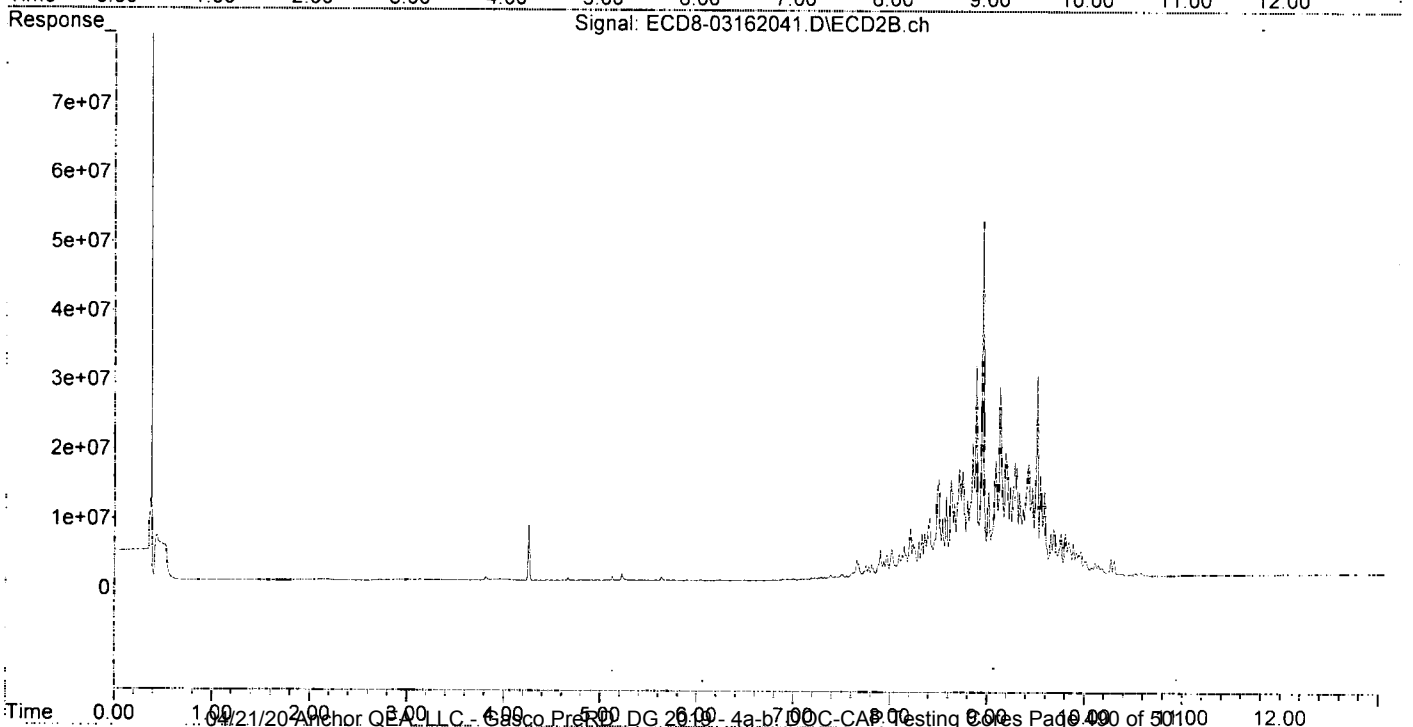
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:05
Operator : MJB
Sample : 0C16047-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:22:20 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:17:39 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:22
Operator : MJB
Sample : 0C16047-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:25:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

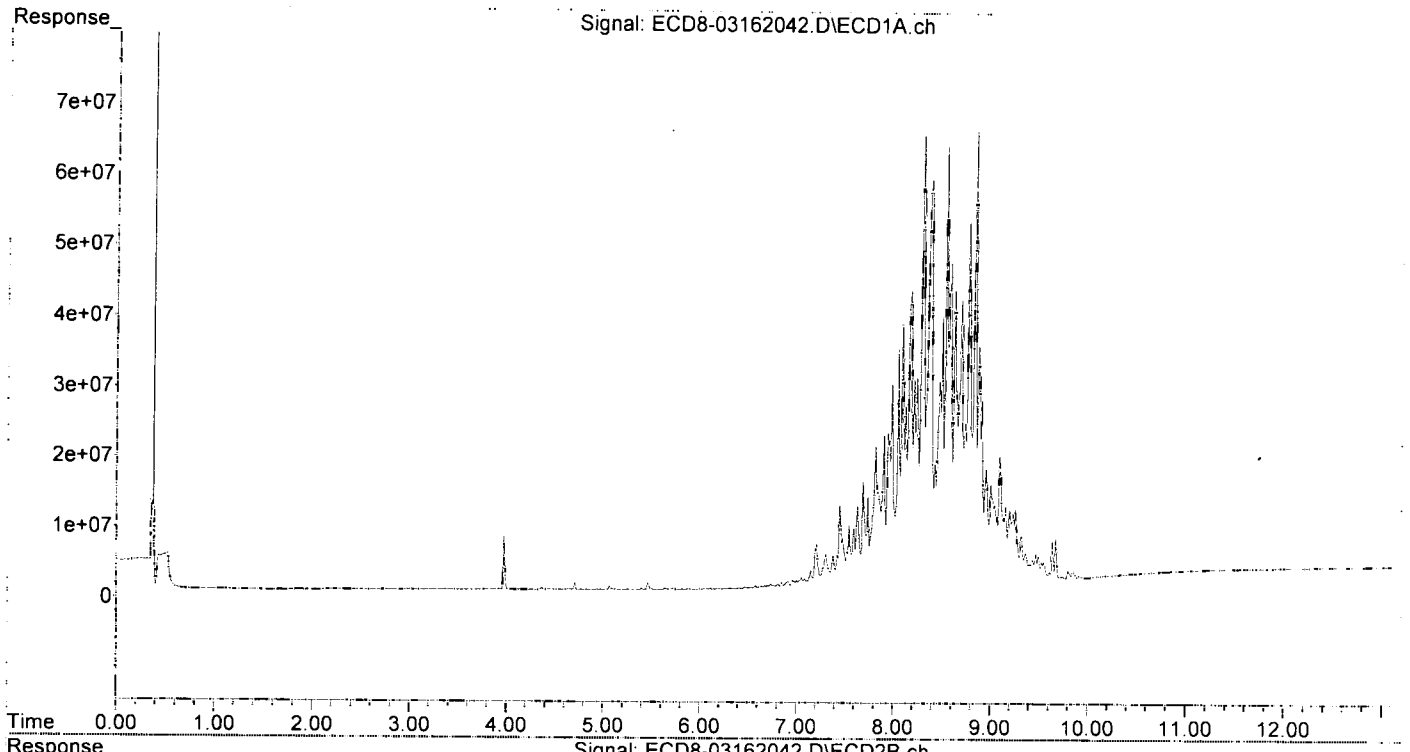
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.690	8.502	14604003	30810806	892.152	1045.534
37)	Toxaphene...	7.986	8.851	28457166	41269404	905.834	1026.884
38)	Toxaphene...	8.301	8.887	63774472	66225922	911.380	1023.641
39)	Toxaphene...	8.543	8.954	61947416	106.2E6	938.929	1022.462
40)	Toxaphene...	8.775	9.131	51105932	58921901	942.873	1027.782
41)	Toxaphene...	8.843	9.514	64221259	63152213	844.415	956.072
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

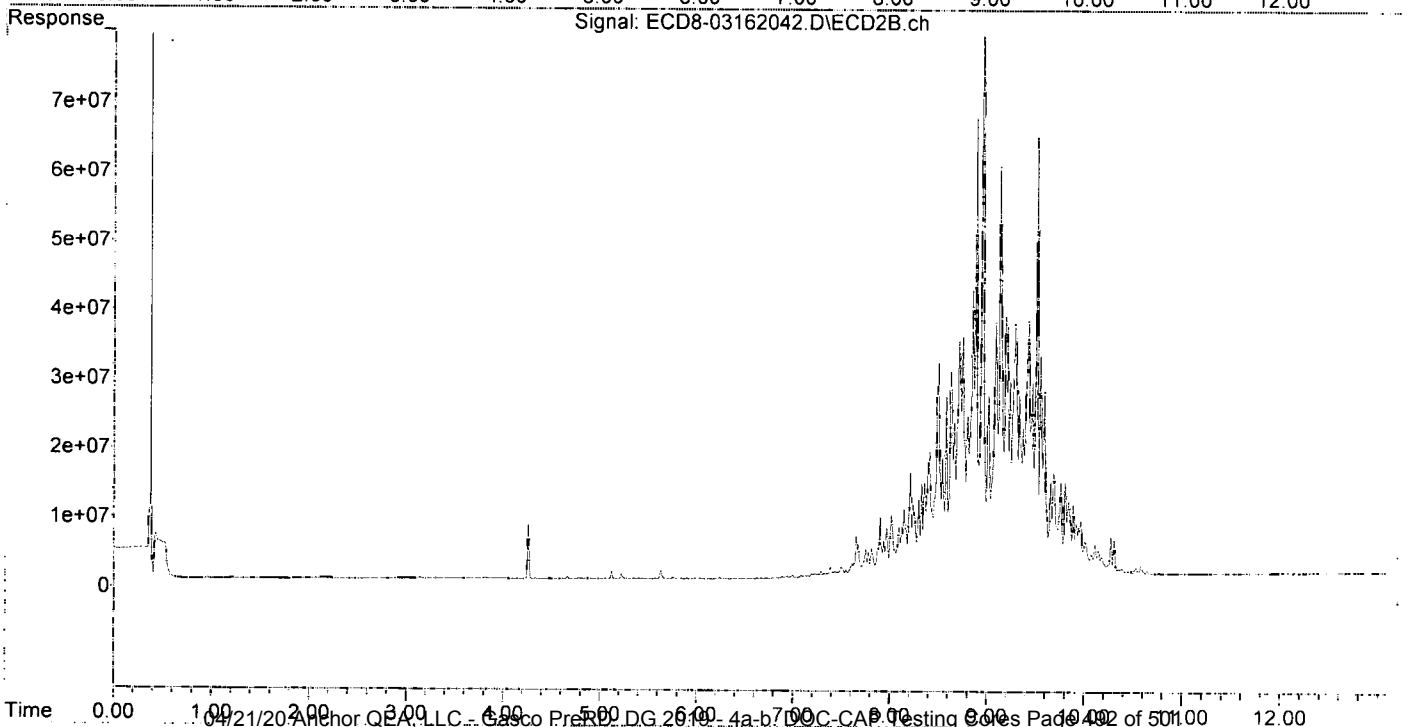
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:22
Operator : MJB
Sample : 0C16047-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:25:51 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:38
Operator : MJB
Sample : 0C16047-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:26:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation

MJB 3/17/20

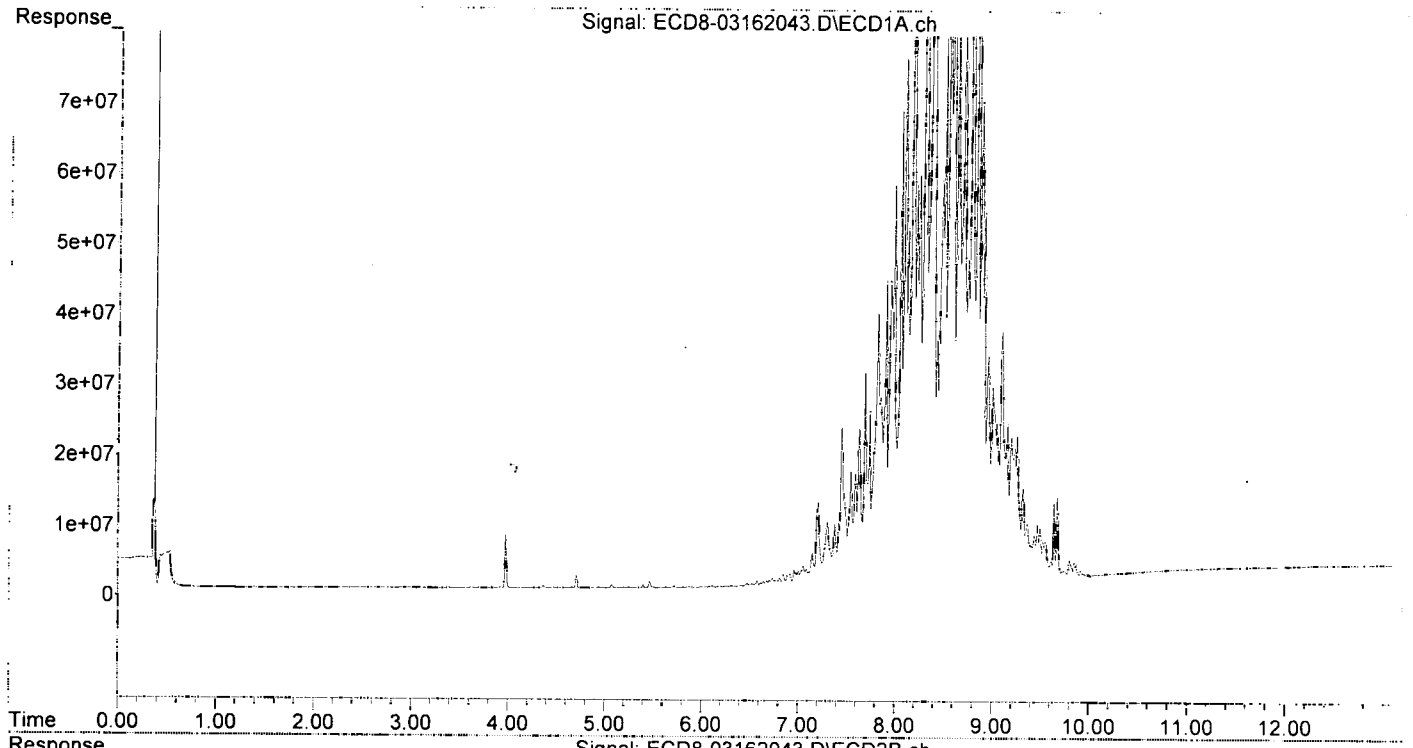
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
		Target Compounds						
2)		a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)		g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)		b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)		Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)		d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)		Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)		Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)		trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)		cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)		4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)		Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)		Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)		4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)		4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)		Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)		Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)		Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
30)		cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)		Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)		Toxaphene...	7.689	8.501	29828482	63023439	1822.209	2138.638
37)		Toxaphene...	7.985	8.850	56421140	85107462	1795.969	2117.683
38)		Toxaphene...	8.302	8.885	128.0E6	132.4E6	1850.319	2046.730
39)		Toxaphene...	8.542	8.953	125.3E6	213.4E6	1887.883	1935.999
40)		Toxaphene...	8.773	9.130	106.1E6	121.4E6	1958.155	2117.247
41)		Toxaphene...	8.842	9.513	128.5E6	132.4E6	1689.147	2004.474
42)		Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

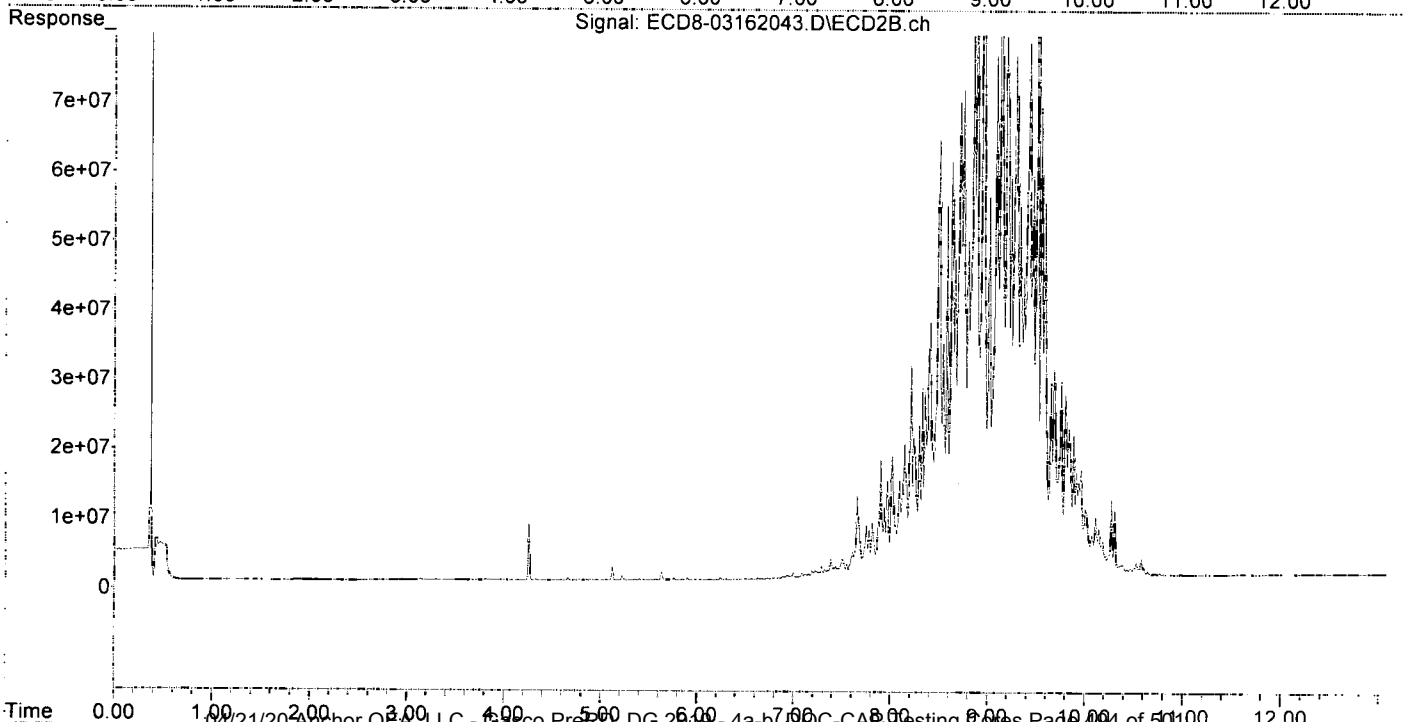
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2020-03\0C16047\
Data File : ECD8-03162043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Mar 2020 23:38
Operator : MJB
Sample : 0C16047-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 17 11:26:30 2020
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_200316.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Mar 17 11:22:59 2020
Response via : Initial Calibration
Integrator: ChemStation





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

Total Solids by SM2540G
Benchsheet Data

Batch 0030870 (A0C0715-01)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

APR 15 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0030870 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments
A0C0715-01	Dry Weight		03/24/20 17:39		1.265	26.474	23.399	87.8	Use Results from TS.. Make NR once completed.
A0C0715-01	Solids, Total (SM 254		03/24/20 17:39		1.265	26.474	23.399	87.8	Use Results for Dry Weight (Not for Waters)
0030870-DUP1	QC	A0C0715-01	03/24/20 17:39		1.275	29.857	26.254	87.4	

NAP 3/26/20
Prepared By: Date

James S. Johnson 04/07/20
Reviewed By: Date

Printed: 3/26/2020 4:11:23PM

Batch #: 0030870

Analyst: nrp

Total Solids Worksheet

Method: SM 2540 G

Date: 3/26/2020

Sample ID	Tare Wt. (g)	Vessel ID	Initial (wet) Wt. (g)	Final Weight (g)			Comments
				1st weighing	2nd Weighing	3rd Weighing	
A0C0715-01	1.265	715-01	26.474	23.400	23.399		
0030870-DUP1	1.275	715-DUP1	29.857	26.256	26.254		source: A0C0715-01
Date/time first in oven: 3/24/20@17:47		**Oven temp. (°C; in/out):**		**103.6/103.7**	**103.4/103.5**	**/**	
		Time of weighing:		3/25@17:43	3/26@11:25		

	Tare Tray			
AOC0715-01	1.265	26.474	23.400	23.399
AOC0715-01 Dup	1.275	29.857	26.256	26.254
First in oven 3/24/20 @ 17:47	Temp In/out	103.6 / 103.7	~~103.4~~ / ~~103.5~~ 103.6 / 103.7	103.4 / 103.5
	Time of weighing	~~17 3/25 12 1743~~ NRP 3/26/20	~~3/26 11:25~~ 3/25 1743	3/26 11:25

0030870

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

Balance Checksheets

Extractions March 2020
Wet Chem March 2020

Balance Challenge Log

Extractions
AND FX-2000
ID# 5210177

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

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

Alternate Weight/ID used:

Date Range:

Month: March
Year: 2020

Day/Time	Initials	Weight One	Observed	Weight Two	Observed
1					
2 07:10	JAG		.50		299.98
3 06:55	JAG		.51		300.02
4 0700	AJJ		0.50		299.99
5 0706	AJJ		0.49		299.97
6 07:00	JAG		.48		299.98
7					
8					
9					
10 0741	AJJ		0.50		299.98
11 0744	AJJ		0.49		299.98
12 07:25	JAG		0.50		299.98
13 09:25	JAG		.50		299.97
14					
15					
16 0808	AJJ	0.50g	0.49	300.00g	299.97
17 0714	AJJ		0.49		299.97
18 0712	AJJ		0.50		299.98
19 10.55	JAG		.51		299.98
20 0719	AJJ		0.50		299.97
21					
22					
23 07:10	JAG		.51		299.99
24 07.11	CAH		.49		299.97
25 07:10	JAG		.50		300.00
26					
27					
28					
29					
30 0722	AJJ		0.50		299.98
31 10:05	CAH		0.52		299.99

Balance Challenge Log

Wet Chem Balance 1
Ohaus Adventurer Pro
ID# 8C30461093

Weight ID	weight (g)	acceptance range (g)	
	<0.5000g	± 0.5mg	
	>/=0.5000g	± 0.1%	
1000015949	0.005g	0.0045	0.0055
66067	0.100g	0.0995	0.1005
66067	100g	99.9000	100.1000

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

Month: March
Year: 2020

Alternate Weight/ID used: | Date Range:

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1							
2 1009	MAS		99.9984		0.0999		0.0050
3 1108	AMB		99.9983		0.0999		0.0052
4 1108	MAS		99.9987		0.0999		0.0048
5 1215	MAS		99.9987		0.0999		0.0048
6 1132	MAS		99.9990		0.1003		0.0049
7							
8							
9 1114	MAS		99.9985		0.0998		0.0051
10 1520	MAS		99.9983		0.0999		0.0050
11							
12 1435	MAS		99.9982		0.0996		0.0051
13 1811	MAS	MAS 3.13.20	99.9984		0.1000		0.0050
14							
15							
16 1012	NMK	100.0000g	99.9976	0.1000g	0.1000	.0050g	0.0053
17 0921	NMK		99.9976		0.0999		0.0050
18 1110	MAS		99.9974		0.1002		0.0050
19 1032	MAS		99.9973		0.1002		0.0051
20 1138	MAS		99.9977		0.0999		0.0053
21							
22							
23 1221	MAS		99.9980		0.0999		0.0050
24 1154	MAS		99.9978		0.0998		0.0050
25							
26 0908	NMK		99.9980		0.0999		0.0051
27 1443	MAS		99.9981		0.0996		0.0051
28							
29							
30 1025	MAS		99.9990		0.1000		0.0050
31 1204	MAS		99.9987		0.1002		0.0050